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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : CON EDISON - 11TH AVE-WEST 50TH ST SITE

PARSONS ENGINEERING OF NEW YORK, INC.

301 Plainfield Road

Suite 350

Syracuse, NY - 13212

Phone No: 315-451-9560

ORDER ID : Q1739

ATTENTION : Stephen Liberatore

Laboratory Certification ID # 20012

Table Of Contents for Q1739

1) TCLP SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 12
9) QC Data Summary For TCLP BNA 13
9.1) Deuterated Monitoring Compound Summary 14
9.2) MS/MSD Summary 15
9.3) LCS/LCSD Summary 17
9.4) Method Blank Summary 18
9.5) GS/MS Tune Summary 19
9.6) Internal Standard Area and RT Summary 26
10) Sample Data 36
10.1) PB167488TB 37
10.2) WC-LIQUID-20250404 47
11) Calibration Data Summary 66
11.1) Initial Calibration Data 66
11.1.1) BM040825 66
11.1.2) BP031225 484
11.1.3) BP041425 892
11.2) Continued Calibration Data 1301
11.2.1) BM049876.D 1301
11.2.2) BP024228.D 1358
11.2.3) BP024245.D 1414
11.2.4) BP024259.D 1470
12) QC Sample Data 1526
12.1) Tune Raw Data 1527
12.2) Method Blank Data 1555
12.3) LCS Data 1565
12.4) MS Data 1616
12.5) MSD Data 1667
13) Manual Integration 1718

Table Of Contents for Q1739

14) Analytical Runlogs 1726

15) Extraction Logs 1740

15.1) PB167488.pdf 1740

15.2) PB167488IC.pdf 1743

15.3) PB167518.pdf 1744

15.4) PB167518IC.pdf 1746

16) Standard Prep Logs 1748

17) Shipping Document 1829

17.1) Chain Of Custody 1830

17.2) Lab Certificate 1831

17.3) Internal COC 1832

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

Cover Page

Order ID : Q1739

Project ID : Con Edison - 11th Ave-West 50th St Site

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number	Client Sample Number
Q1739-01	WC-LIQUID-20250404
Q1739-02	WC-LIQUID-20250404

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: 4/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

PARSONS Engineering of New York, Inc.
Project Name: Con Edison - 11th Ave-West 50th St Site
Project # N/A
Chemtech Project # Q1739
Test Name: TCLP BNA

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Flash Point, 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 METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of 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 WC-LIQUID-20250404 [Terphenyl-d14 - 146%],The above failure surrogates not associated with the client parameters list, therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .

The Blank Spike for {PB167518BS} with File ID: BP024263.D met requirements for all samples except for 2,4,5-Trichlorophenol[110%], 2,4,6-Trichlorophenol[111%], 2,4-Dinitrotoluene[117%], 2-Methylphenol[115%], 3+4-Methylphenols[112%], Hexachlorobenzene[108%], Hexachlorobutadiene[102%] and

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

Pentachlorophenol[120%],are failing high but no positive hit in associate samples therefore no corrective action taken.

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

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

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

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

QA Control # A3040960

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

CHEMTECH PROJECT NUMBER: Q1739 MATRIX: TCLP

METHOD: 8270E/3510/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements .			
	The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for WC-LIQUID-20250404 [Terphenyl-d14 - 146%],The above failure surrogates not associated with the client parameters list, therefore no corrective action was taken.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB167518BS} with File ID: BP024263.D met requirements for all samples except for 2,4,5-Trichlorophenol[110%], 2,4,6-Trichlorophenol[111%], 2,4-Dinitrotoluene[117%], 2-Methylphenol[115%], 3+4-Methylphenols[112%], Hexachlorobenzene[108%], Hexachlorobutadiene[102%] and Pentachlorophenol[120%],are failing high but no positive hit in associate samples therefore no corrective action taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			

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

		NA	NO	YES
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points. Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1739

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 04/17/2025

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

LAB CHRONICLE

OrderID:	Q1739	**OrderDate:**	4/4/2025 2:08:31 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Edison - 11th Ave-West 50th St Site
Contact:	Stephen Liberatore	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1739-01	**WC-LIQUID-20250404**	**Water**			**04/04/25**			**04/04/25**
			SVOC-TCL BNA -20	8270E		04/08/25	04/09/25	
Q1739-02	**WC-LIQUID-20250404**	**TCLP**			**04/04/25**			**04/04/25**
			TCLP BNA	8270E		04/08/25	04/10/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

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

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

Surrogate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB167488TB	PB167488TB	2-Fluorophenol	150	156	104		10	139
		Phenol-d6	150	143	95		10	134
		Nitrobenzene-d5	100	101	101		49	133
		2-Fluorobiphenyl	100	100	100		52	132
		2,4,6-Tribromophenol	150	150	100		44	137
		Terphenyl-d14	100	98.8	99		48	125
PB167518BL	PB167518BL	2-Fluorophenol	150	152	101		10	139
		Phenol-d6	150	142	95		10	134
		Nitrobenzene-d5	100	97.6	98		49	133
		2-Fluorobiphenyl	100	96.3	96		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	100.0	100		48	125
PB167518BS	PB167518BS	2-Fluorophenol	150	156	104		10	139
		Phenol-d6	150	146	98		10	134
		Nitrobenzene-d5	100	99.4	99		49	133
		2-Fluorobiphenyl	100	96.6	97		52	132
		2,4,6-Tribromophenol	150	163	108		44	137
		Terphenyl-d14	100	103	103		48	125
Q1712-04MS	Z-05AMS	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	121	81		10	134
		Nitrobenzene-d5	100	93.6	94		49	133
		2-Fluorobiphenyl	100	84.8	85		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	91.9	92		48	125
Q1712-04MSD	Z-05AMSD	2-Fluorophenol	150	140	93		10	139
		Phenol-d6	150	126	84		10	134
		Nitrobenzene-d5	100	99.4	99		49	133
		2-Fluorobiphenyl	100	92.2	92		52	132
		2,4,6-Tribromophenol	150	160	107		44	137
		Terphenyl-d14	100	101	101		48	125
Q1739-02	WC-LIQUID-20250404	2-Fluorophenol	150	122	81		10	139
		Phenol-d6	150	112	75		10	134
		Nitrobenzene-d5	100	90.6	91		49	133
		2-Fluorobiphenyl	100	92.7	93		52	132
		2,4,6-Tribromophenol	150	158	105		44	137
		Terphenyl-d14	100	146	146	*	48	125

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1712-04MS		**Client Sample ID: Z-05AMS**						**DataFile: BP024235.D**			
Pyridine	500	0	350	ug/L	70				10	109	
1,4-Dichlorobenzene	500	0	420	ug/L	84				55	125	
2-Methylphenol	500	0	490	ug/L	98				60	131	
3+4-Methylphenols	500	0	490	ug/L	98				54	136	
Hexachloroethane	500	0	430	ug/L	86				19	146	
Nitrobenzene	500	0	470	ug/L	94				62	112	
Hexachlorobutadiene	500	0	420	ug/L	84				52	125	
2,4,6-Trichlorophenol	500	0	490	ug/L	98				78	112	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				71	111	
2,4-Dinitrotoluene	500	0	570	ug/L	114				74	137	
Hexachlorobenzene	500	0	470	ug/L	94				72	115	
Pentachlorophenol	1000	0	1100	ug/L	110				52	162	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1712-04MSD		**Client Sample ID:** Z-05AMSD						**DataFile:** BP024236.D			
Pyridine	500	0	360	ug/L	72		3		10	109	20
1,4-Dichlorobenzene	500	0	450	ug/L	90		7		55	125	20
2-Methylphenol	500	0	510	ug/L	102		4		60	131	20
3+4-Methylphenols	500	0	500	ug/L	100		2		54	136	20
Hexachloroethane	500	0	450	ug/L	90		5		19	146	20
Nitrobenzene	500	0	490	ug/L	98		4		62	112	20
Hexachlorobutadiene	500	0	450	ug/L	90		7		52	125	20
2,4,6-Trichlorophenol	500	0	540	ug/L	108		10		78	112	20
2,4,5-Trichlorophenol	500	0	550	ug/L	110		10		71	111	20
2,4-Dinitrotoluene	500	0	590	ug/L	118		3		74	137	20
Hexachlorobenzene	500	0	510	ug/L	102		8		72	115	20
Pentachlorophenol	1000	0	1100	ug/L	110		0		52	162	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BP024263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167518BS	Pyridine	50	42.0	ug/L	84				29	97	
	1,4-Dichlorobenzene	50	50.6	ug/L	101				76	103	
	2-Methylphenol	50	57.5	ug/L	115		*		69	109	
	3+4-Methylphenols	50	56.1	ug/L	112		*		67	106	
	Hexachloroethane	50	51.8	ug/L	104				76	118	
	Nitrobenzene	50	52.0	ug/L	104				58	106	
	Hexachlorobutadiene	50	51.1	ug/L	102		*		69	101	
	2,4,6-Trichlorophenol	50	55.7	ug/L	111		*		61	110	
	2,4,5-Trichlorophenol	50	55.0	ug/L	110		*		70	106	
	2,4-Dinitrotoluene	50	58.7	ug/L	117		*		60	115	
	Hexachlorobenzene	50	54.0	ug/L	108		*		73	106	
	Pentachlorophenol	100	120	ug/L	120		*		47	114	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167518BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BP024246.D Lab Sample ID: PB167518BL

Instrument ID: BNA_P Date Extracted: 04/08/2025

Matrix: (soil/water) water Date Analyzed: 04/10/2025

Level: (low/med) LOW Time Analyzed: 10:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167518BS	PB167518BS	BP024263.D	04/11/2025
PB167488TB	PB167488TB	BP024284.D	04/14/2025
WC-LIQUID-20250404	Q1739-02	BM049887.D	04/10/2025
Z-05AMS	Q1712-04MS	BP024235.D	04/09/2025
Z-05AMSD	Q1712-04MSD	BP024236.D	04/09/2025

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BM049847.D DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	15.3 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BM049875.D DFTPP Injection Date: 04/10/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.2
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	15 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049876.D	04/10/2025	09:32
WC-LIQUID-20250404	Q1739-02	BM049887.D	04/10/2025	16:46

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

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	100.0
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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BP024227.D DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.2
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	34.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	18.3 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024228.D	04/09/2025	10:08
Z-05AMS	Q1712-04MS	BP024235.D	04/09/2025	14:59
Z-05AMSD	Q1712-04MSD	BP024236.D	04/09/2025	15:39

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BP024244.D DFTPP Injection Date: 04/10/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
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	6.8
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	18.8 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024245.D	04/10/2025	09:46
PB167518BL	PB167518BL	BP024246.D	04/10/2025	10:27

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

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	27.3
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.8
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	29.3
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.8
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
PB167518BS	PB167518BS	BP024263.D	04/11/2025	12:25

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

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

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13
PB167488TB	PB167488TB	BP024284.D	04/14/2025	19:16

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	319220	7.781	1042650	10.57	653251	14.42
	UPPER LIMIT	638440	8.281	2085300	11.074	1306500	14.921
	LOWER LIMIT	159610	7.281	521325	10.074	326626	13.921
	EPA SAMPLE NO.						
01	WC-LIQUID-20250404	358611	7.78	1281720	10.57	872039	14.42

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.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BM049876.D Time Analyzed: 09:32

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1279700	17.162	1240970	21.397	1368350	24.397
	UPPER LIMIT	2559400	17.662	2481940	21.897	2736700	24.897
	LOWER LIMIT	639850	16.662	620485	20.897	684175	23.897
	EPA SAMPLE NO.						
01	WC-LIQUID-20250404	1741710	17.17	763660	21.43	2090740	24.47

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	293576	7.769	1173450	10.55	712048	14.40
	UPPER LIMIT	587152	8.269	2346900	11.052	1424100	14.904
	LOWER LIMIT	146788	7.269	586725	10.052	356024	13.904
	EPA SAMPLE NO.						
01	Z-05AMS	270984	7.74	1090210	10.52	692071	14.38
02	Z-05AMSD	293963	7.74	1159020	10.52	692350	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.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1380060	17.222	1470280	21.651	1654290	25.033
	UPPER LIMIT	2760120	17.722	2940560	22.151	3308580	25.533
	LOWER LIMIT	690030	16.722	735140	21.151	827145	24.533
	EPA SAMPLE NO.						
01	Z-05AMS	1402970	17.19	1629670	21.63	1799050	25.00
02	Z-05AMSD	1331250	17.18	1362100	21.63	1480740	25.00

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BP024245.D Time Analyzed: 09:46

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	322953	7.746	1317780	10.53	792808	14.39
	UPPER LIMIT	645906	8.246	2635560	11.028	1585620	14.892
	LOWER LIMIT	161477	7.246	658890	10.028	396404	13.892
	EPA SAMPLE NO.						
01	PB167518BL	279607	7.75	1127550	10.53	674843	14.39

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.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/10/2025

Lab File ID: BP024245.D Time Analyzed: 09:46

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	1512090	17.192	1553360	21.645	1762600	25.009
	UPPER LIMIT	3024180	17.692	3106720	22.145	3525200	25.509
	LOWER LIMIT	756045	16.692	776680	21.145	881300	24.509
	EPA SAMPLE NO.						
01	PB167518BL	1292040	17.18	1334330	21.62	1503670	24.99

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

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	PB167518BS	270274	7.76	1101810	10.54	656088	14.39

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.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

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	PB167518BS	1225950	17.19	1268430	21.65	1432700	25.02

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDICCC040 Date Analyzed: 04/14/2025

Lab File ID: BP024279.D Time Analyzed: 13:49

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	246363	7.734	1046880	10.51	657357	14.36
	UPPER LIMIT	492726	8.234	2093760	11.005	1314710	14.863
	LOWER LIMIT	123182	7.234	523440	10.005	328679	13.863
	EPA SAMPLE NO.						
01	PB167488TB	225183	7.73	887369	10.50	527513	14.36

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.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDICCC040 Date Analyzed: 04/14/2025

Lab File ID: BP024279.D Time Analyzed: 13:49

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	1277200	17.163	1349860	21.622	1485140	24.986
	UPPER LIMIT	2554400	17.663	2699720	22.122	2970280	25.486
	LOWER LIMIT	638600	16.663	674930	21.122	742570	24.486
	EPA SAMPLE NO.						
01	PB167488TB	1051410	17.17	1165720	21.62	1303730	24.99

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/08/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/08/25
Client Sample ID:	PB167488TB	SDG No.:	Q1739
Lab Sample ID:	PB167488TB	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
BP024284.D	1	04/08/25 08:25	04/14/25 19:16	PB167518

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	UQ	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	UQ	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	UQ	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	UQ	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	UQ	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	UQ	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	UQ	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	UQ	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	156		10 - 139	104%	SPK: 150
13127-88-3	Phenol-d6	143		10 - 134	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		49 - 133	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		52 - 132	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		44 - 137	100%	SPK: 150
1718-51-0	Terphenyl-d14	98.8		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	225000	7.728			
1146-65-2	Naphthalene-d8	887000	10.504			
15067-26-2	Acenaphthene-d10	528000	14.357			
1517-22-2	Phenanthrene-d10	1050000	17.169			
1719-03-5	Chrysene-d12	1170000	21.616			
1520-96-3	Perylene-d12	1300000	24.986			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	04/08/25
Project:	Con Edison - 11th Ave-West 50th St Site			Date Received:	04/08/25
Client Sample ID:	PB167488TB			SDG No.:	Q1739
Lab Sample ID:	PB167488TB			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
BP024284.D	1	04/08/25 08:25	04/14/25 19:16	PB167518

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\BP041425\
Data File : BP024284.D
Acq On : 14 Apr 2025 19:16
Operator : RC/JU
Sample : PB167488TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Quant Time: Apr 15 04:55:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

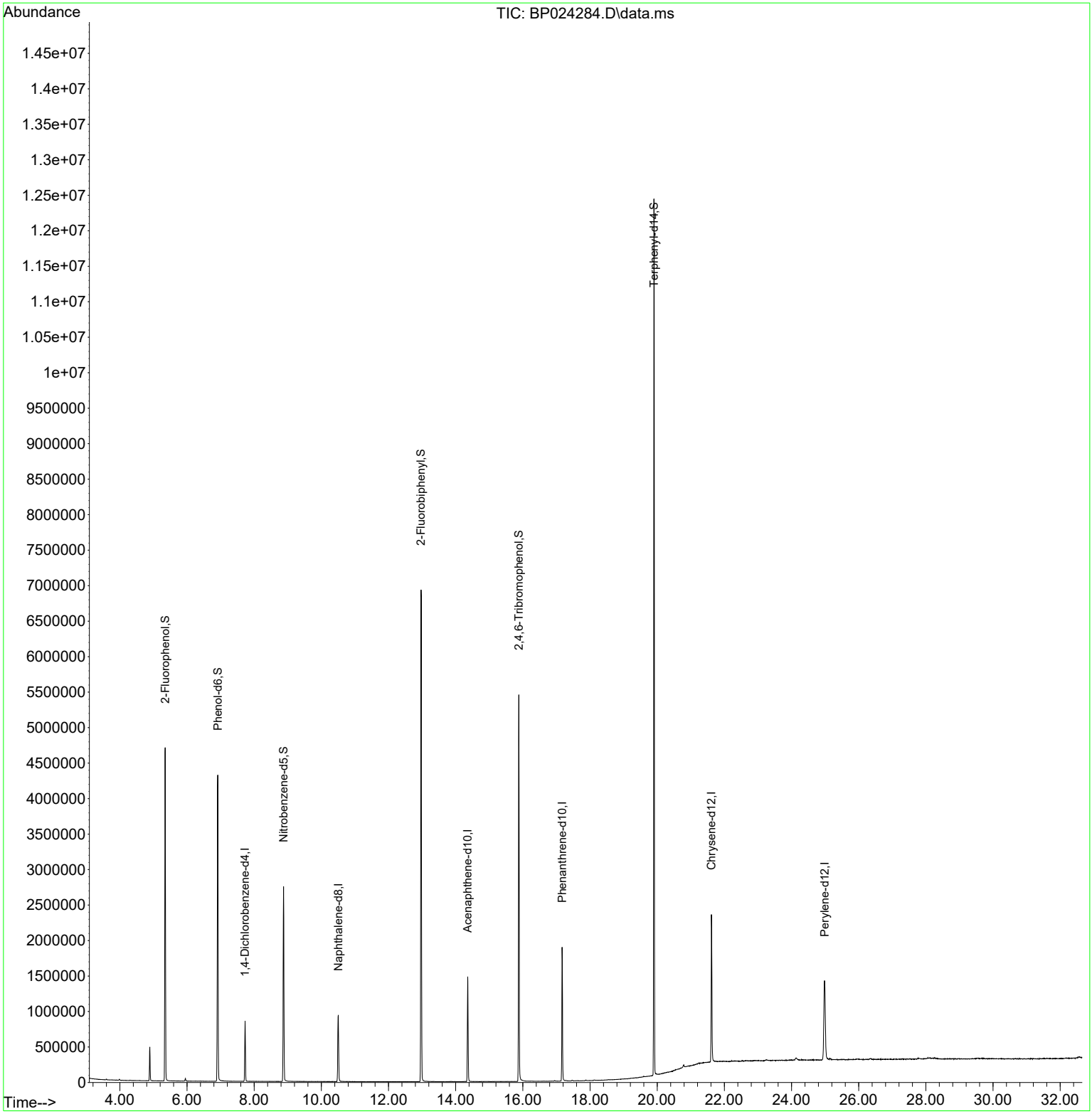
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	225183	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	887369	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	527513	20.000	ng	-0.01
64) Phenanthrene-d10	17.169	188	1051414	20.000	ng	-0.01
76) Chrysene-d12	21.616	240	1165716	20.000	ng	0.00
86) Perylene-d12	24.986	264	1303730	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2121847	155.801	ng	0.00
7) Phenol-d6	6.916	99	2660446	142.665	ng	0.00
23) Nitrobenzene-d5	8.875	82	1577799	101.387	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	1091673	149.577	ng	-0.01
45) 2-Fluorobiphenyl	12.969	172	3455689	100.302	ng	-0.01
79) Terphenyl-d14	19.904	244	5712351	98.772	ng	-0.02
Target Compounds						Qvalue

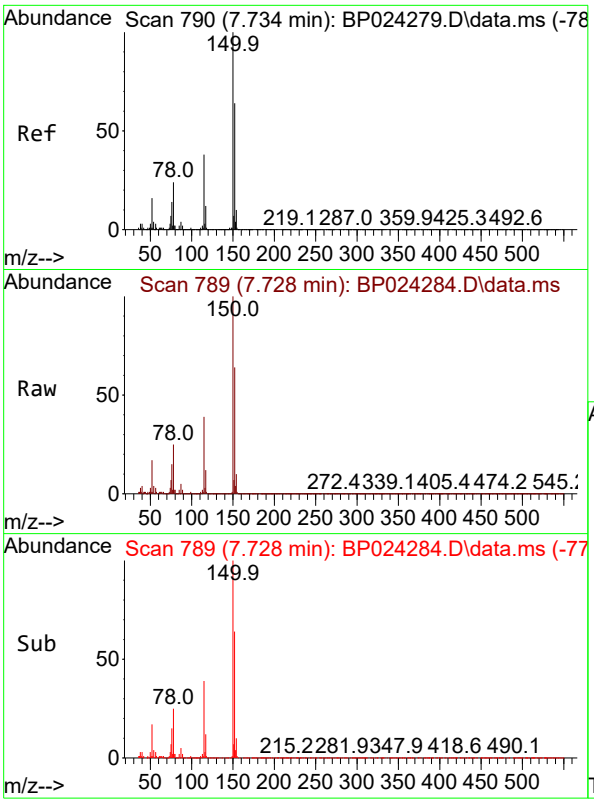
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024284.D
Acq On : 14 Apr 2025 19:16
Operator : RC/JU
Sample : PB167488TB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Quant Time: Apr 15 04:55:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



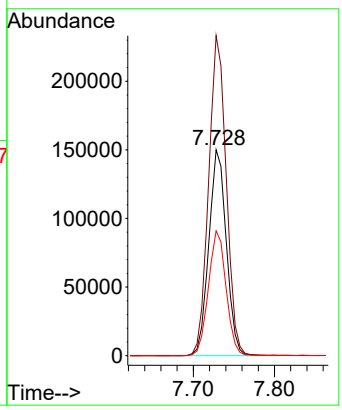


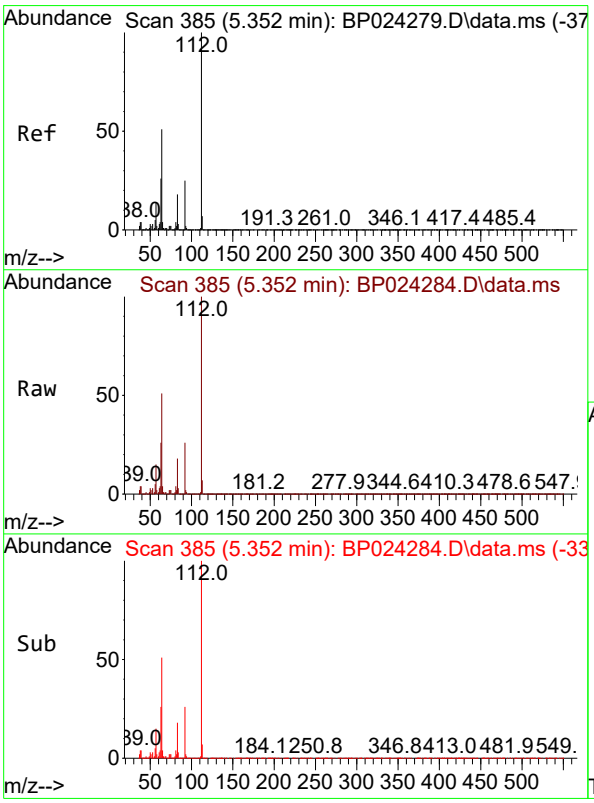
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion:152 Resp: 225183

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	60.6	47.7	71.5

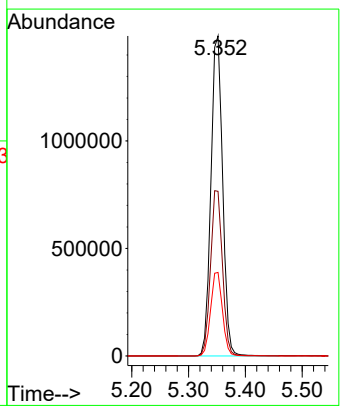


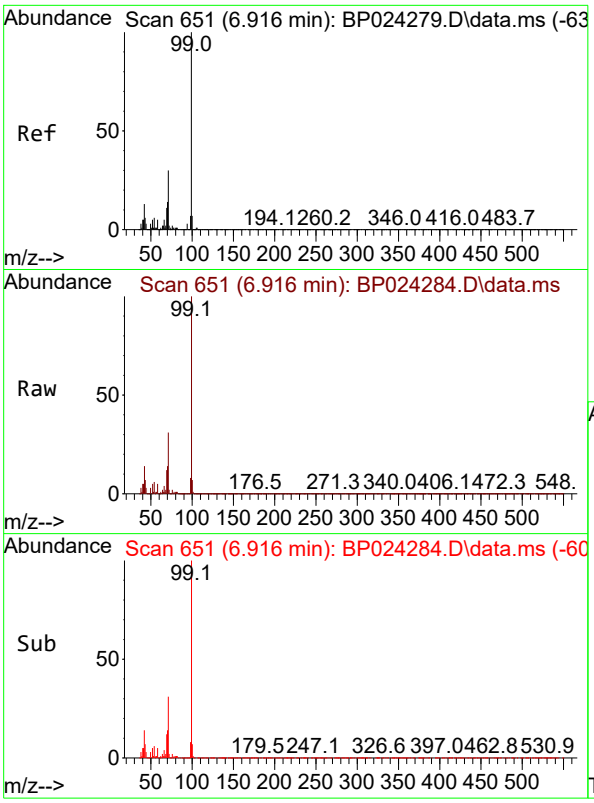


#5
2-Fluorophenol
Concen: 155.801 ng
RT: 5.352 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:112 Resp: 2121847

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.1	61.7
63	26.1	20.6	30.8



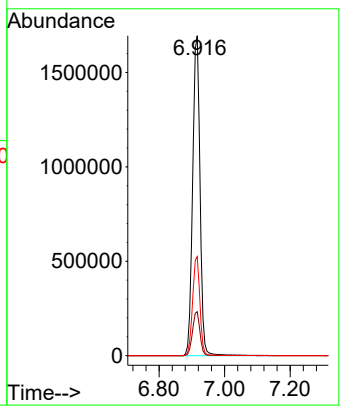


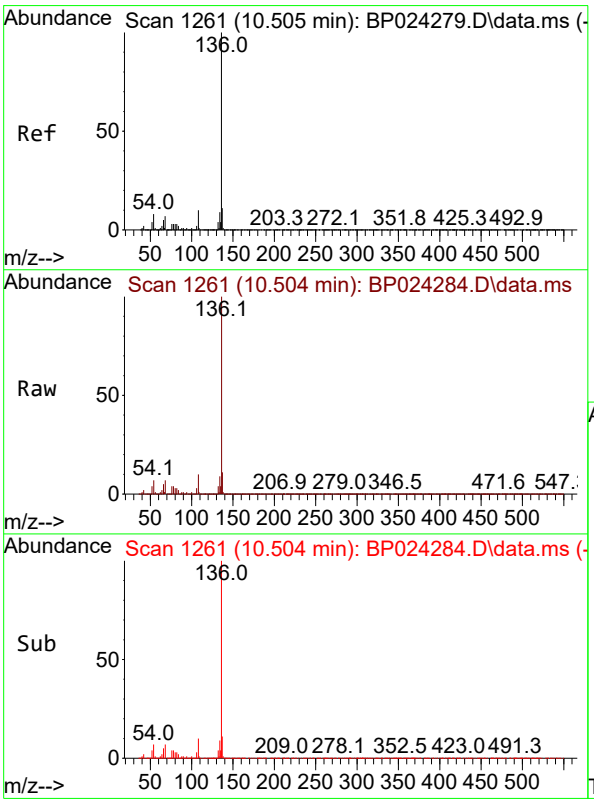
#7
Phenol-d6
Concen: 142.665 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion: 99 Resp: 2660446

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.9	23.7	35.5

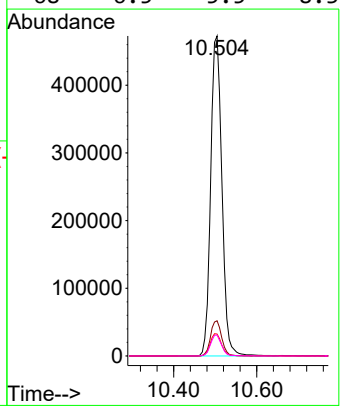


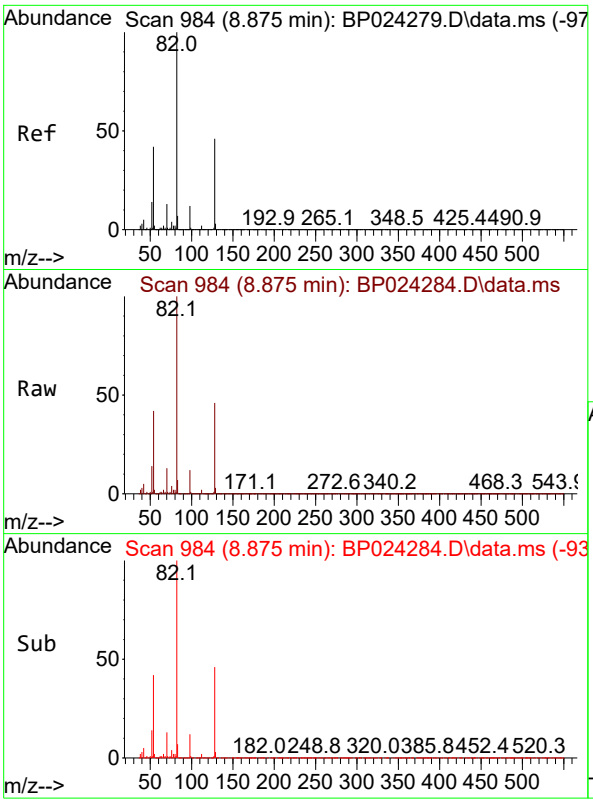


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1261
Delta R.T. -0.000 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:136 Resp: 887369

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.9	6.0	9.0
68	6.5	5.5	8.3



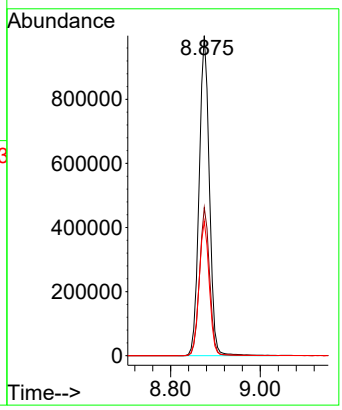


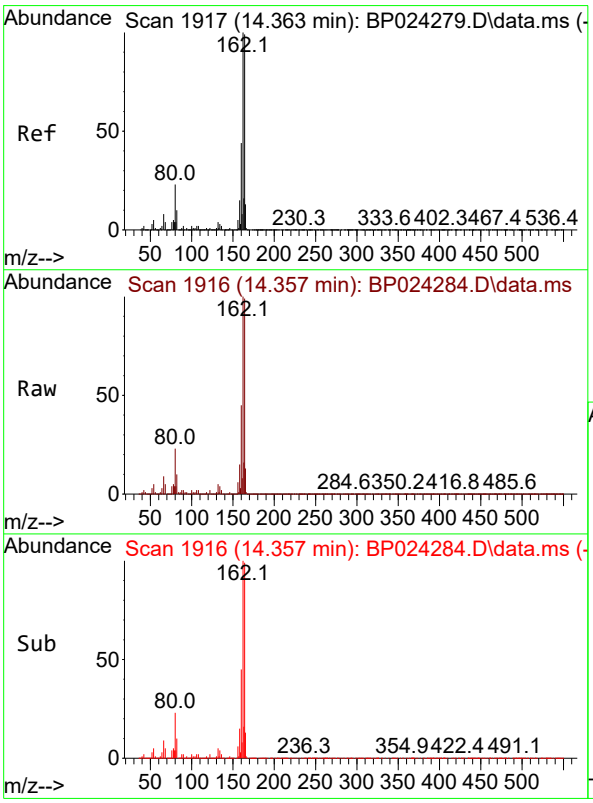
#23
Nitrobenzene-d5
Concen: 101.387 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion: 82 Resp: 1577799

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.5	54.7
54	42.0	33.4	50.2

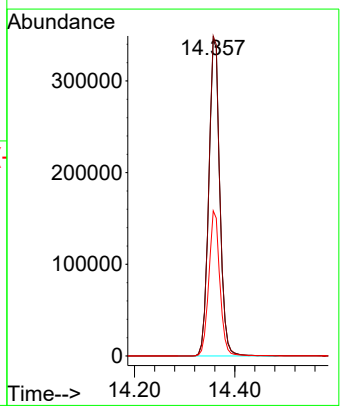


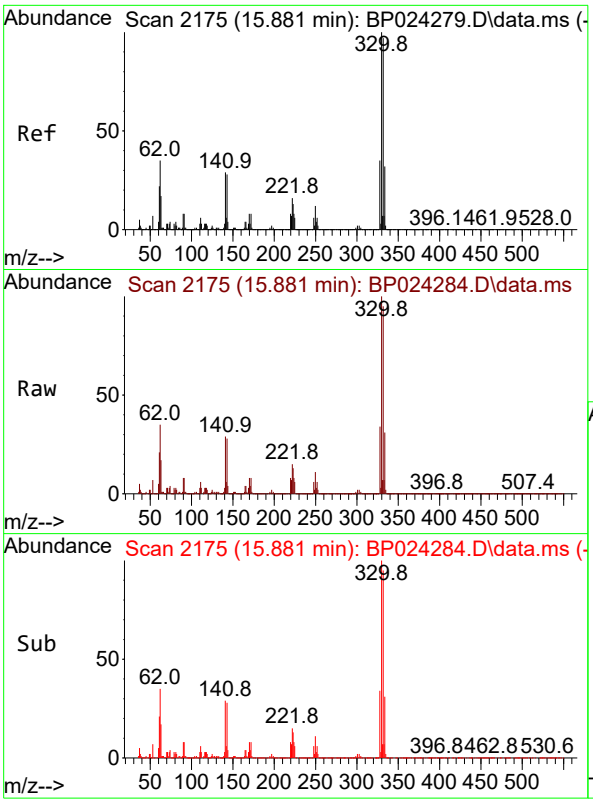


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:164 Resp: 527513

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	45.8	35.3	52.9



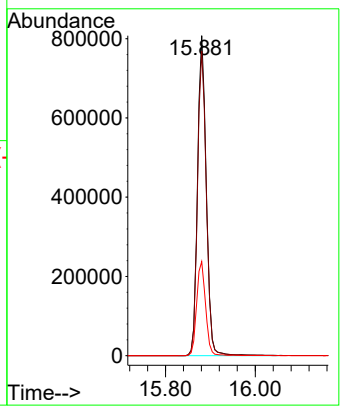


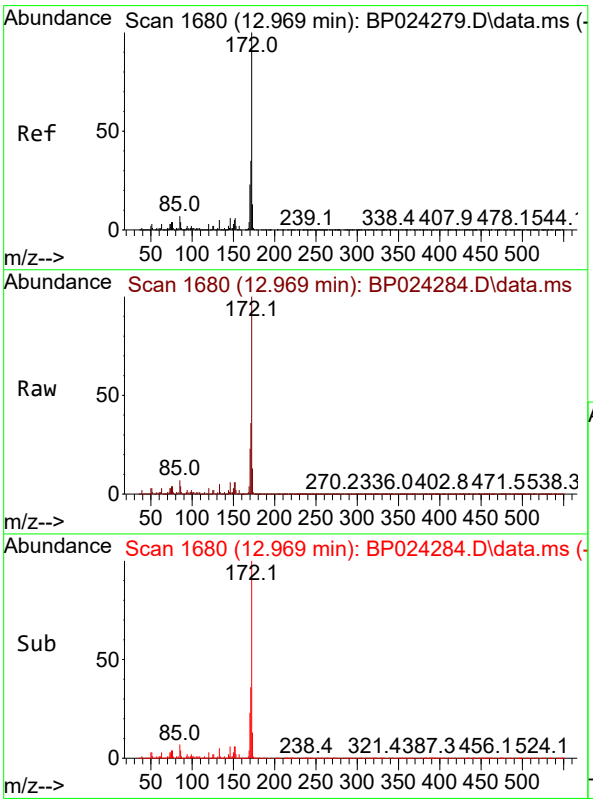
#42
2,4,6-Tribromophenol
Concen: 149.577 ng
RT: 15.881 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion:330 Resp: 1091673

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	30.1	24.7	37.1

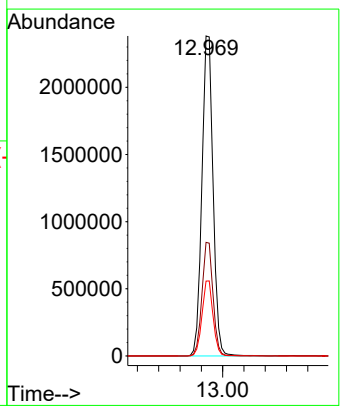


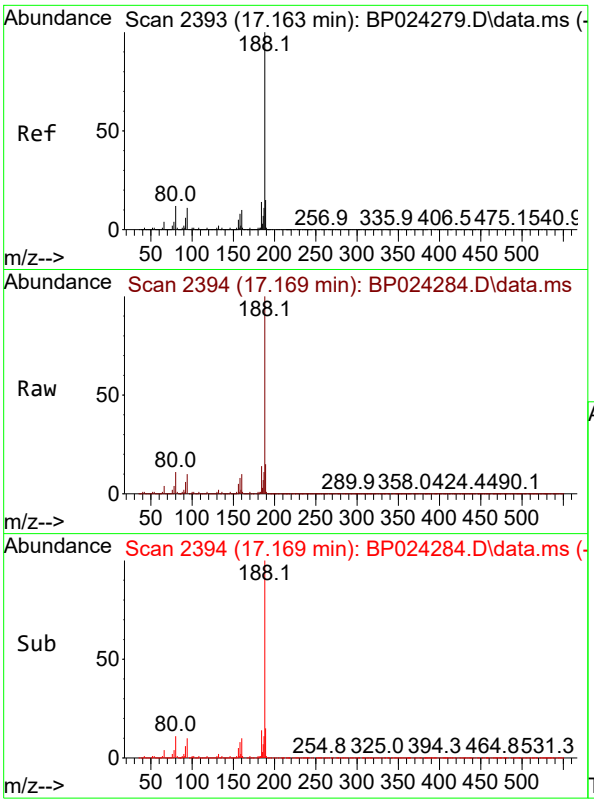


#45
2-Fluorobiphenyl
Concen: 100.302 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:172 Resp: 3455689

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.4	18.6	27.8



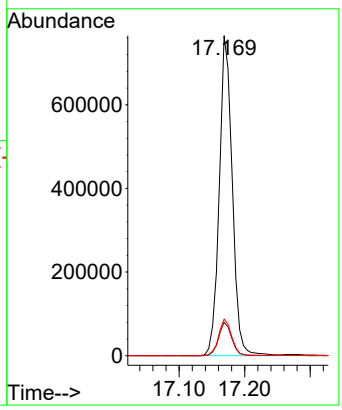


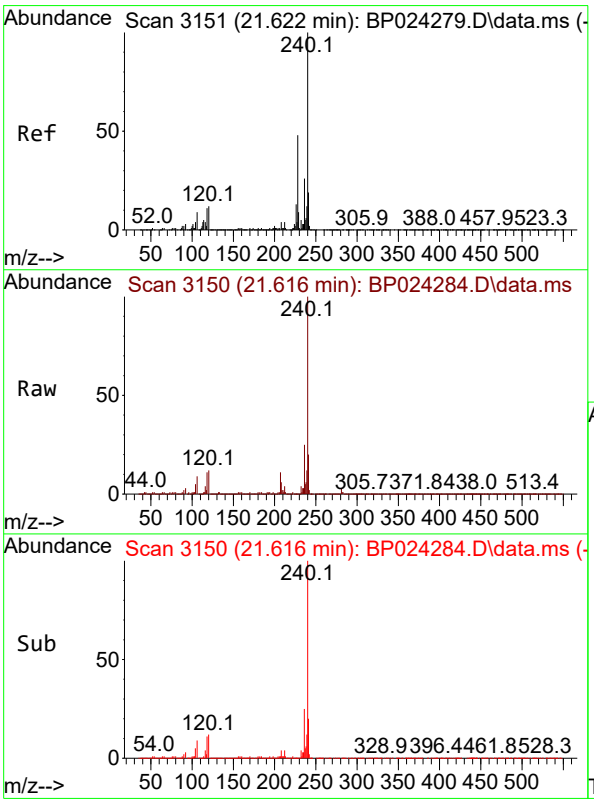
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion:188 Resp: 1051414

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.4	9.8	14.6

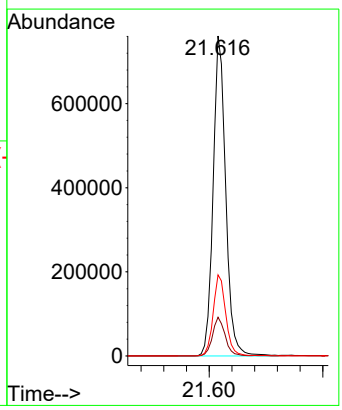


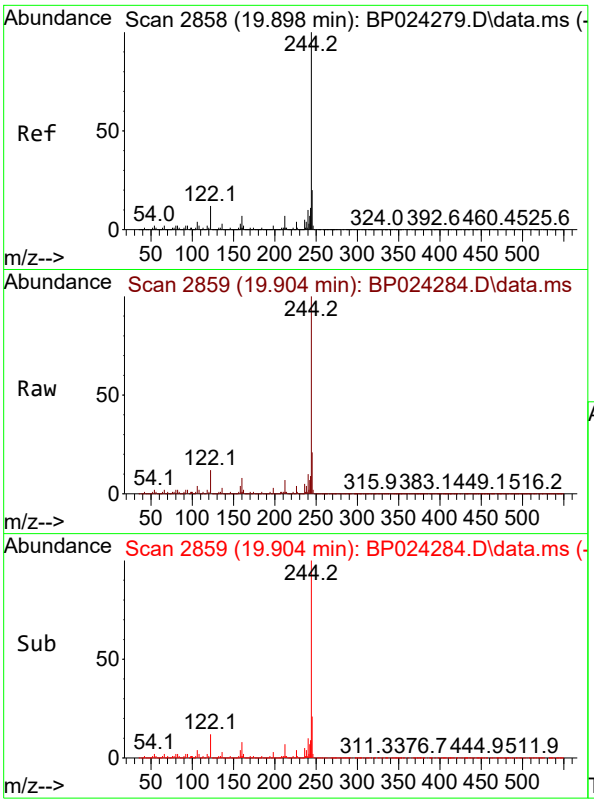


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:240 Resp: 1165716

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.8	14.8
236	25.3	20.9	31.3



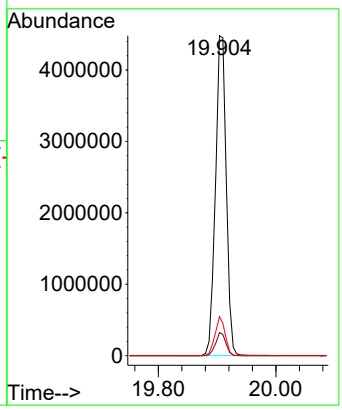


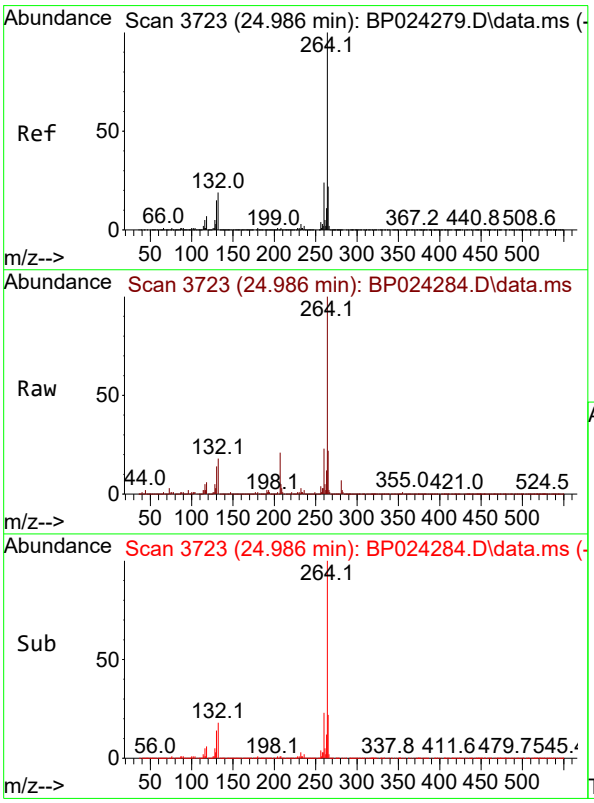
#79
Terphenyl-d14
Concen: 98.772 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Instrument :
BNA_P
ClientSampleId :
PB167488TB

Tgt Ion:244 Resp: 5712351

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.2	9.4	14.0

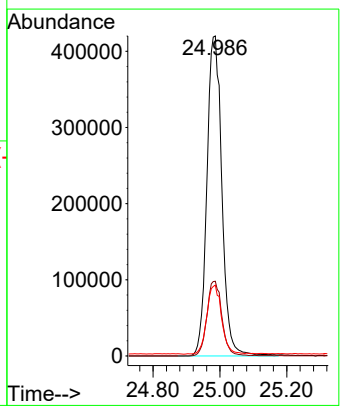




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024284.D
Acq: 14 Apr 2025 19:16

Tgt Ion:264 Resp: 1303730

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.1	17.8	26.6



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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-02	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
BM049887.D	1	04/08/25 08:25	04/10/25 16:46	PB167518

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	UQ	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	UQ	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	UQ	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	UQ	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	UQ	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	UQ	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	UQ	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	UQ	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		10 - 139	81%	SPK: 150
13127-88-3	Phenol-d6	112		10 - 134	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.6		49 - 133	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		52 - 132	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		44 - 137	105%	SPK: 150
1718-51-0	Terphenyl-d14	146	*	48 - 125	146%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	359000	7.775			
1146-65-2	Naphthalene-d8	1280000	10.569			
15067-26-2	Acenaphthene-d10	872000	14.421			
1517-22-2	Phenanthrene-d10	1740000	17.174			
1719-03-5	Chrysene-d12	764000	21.433			
1520-96-3	Perylene-d12	2090000	24.468			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-02	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
BM049887.D	1	04/08/25 08:25	04/10/25 16:46	PB167518

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_M\Data\BM041025\
Data File : BM049887.D
Acq On : 10 Apr 2025 16:46
Operator : RC/JU
Sample : Q1739-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Time: Apr 10 17:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

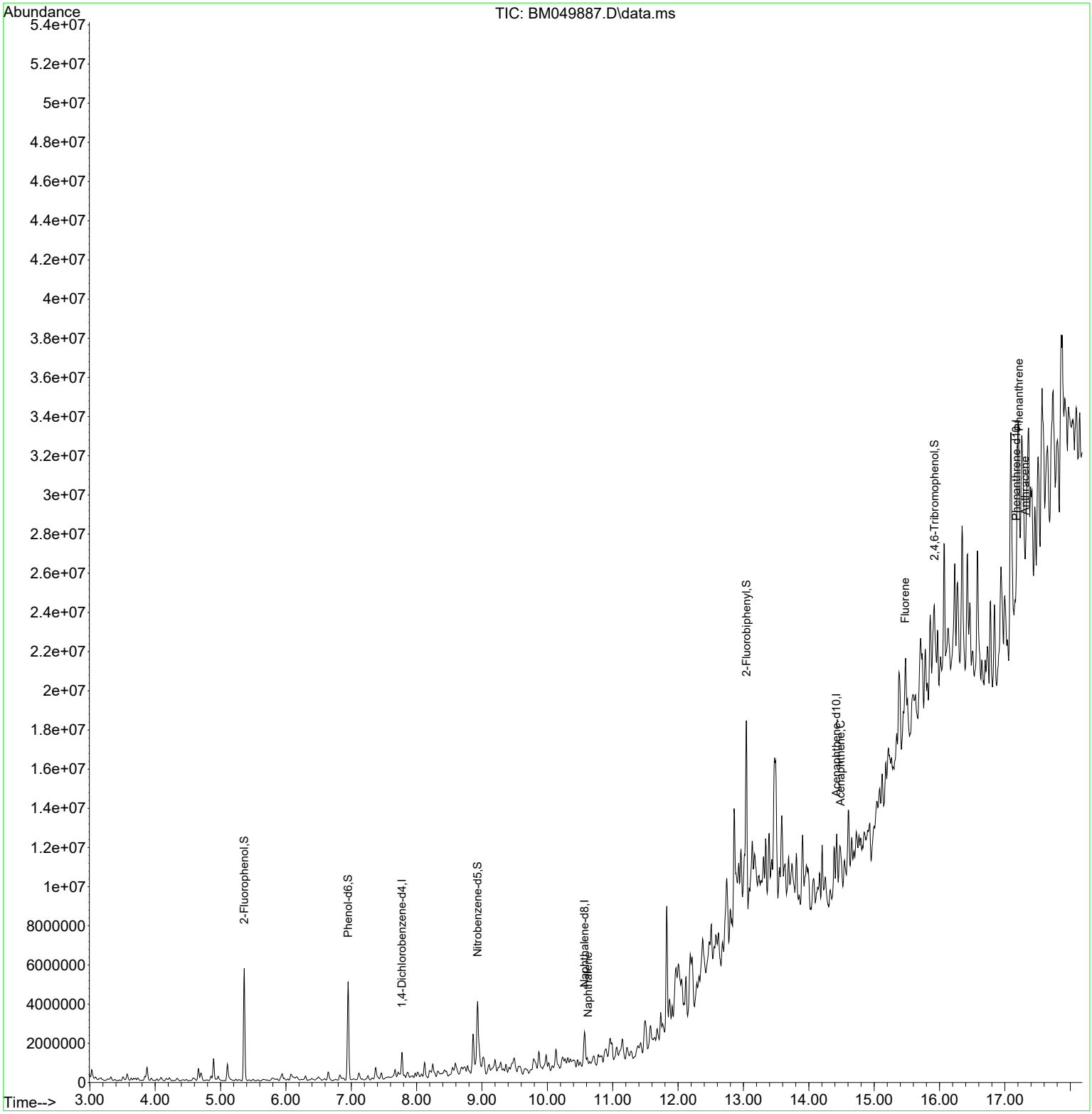
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	358611	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1281723	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	872039	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	1741711	20.000	ng	0.01
76) Chrysene-d12	21.433	240	763660	20.000	ng	# 0.03
86) Perylene-d12	24.468	264	2090736	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2581539	122.240	ng	0.00
7) Phenol-d6	6.951	99	2941862	111.962	ng	0.00
23) Nitrobenzene-d5	8.933	82	2084525	90.563	ng	0.00
42) 2,4,6-Tribromophenol	15.921	330	1999799	157.662	ng	0.01
45) 2-Fluorobiphenyl	13.045	172	5961326	92.698	ng	0.00
79) Terphenyl-d14	19.815	244	5954452	146.124	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	10.622	128	134597	2.044	ng	# 94
52) Acenaphthene	14.486	154	296602	6.283	ng	98
58) Fluorene	15.474	166	131487	2.096	ng	# 72
71) Phenanthrene	17.215	178	944184	9.888	ng	# 87
72) Anthracene	17.309	178	491977	5.228	ng	# 78
75) Fluoranthene	19.244	202	4186907	35.662	ng	# 42
78) Pyrene	19.609	202	4507158	85.638	ng	# 72
81) Benzo(a)anthracene	21.421	228	728722	14.358	ng	# 56
83) Chrysene	21.486	228	431882	8.951	ng	# 51
87) Indeno(1,2,3-cd)pyrene	27.844	276	400940	2.573	ng	93
88) Benzo(b)fluoranthene	23.527	252	1600999	11.990	ng	# 57
89) Benzo(k)fluoranthene	23.574	252	567255m	4.384	ng	
90) Benzo(a)pyrene	24.327	252	804802	6.859	ng	# 46
92) Benzo(g,h,i)perylene	28.897	276	333461	2.542	ng	# 76

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049887.D
Acq On : 10 Apr 2025 16:46
Operator : RC/JU
Sample : Q1739-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

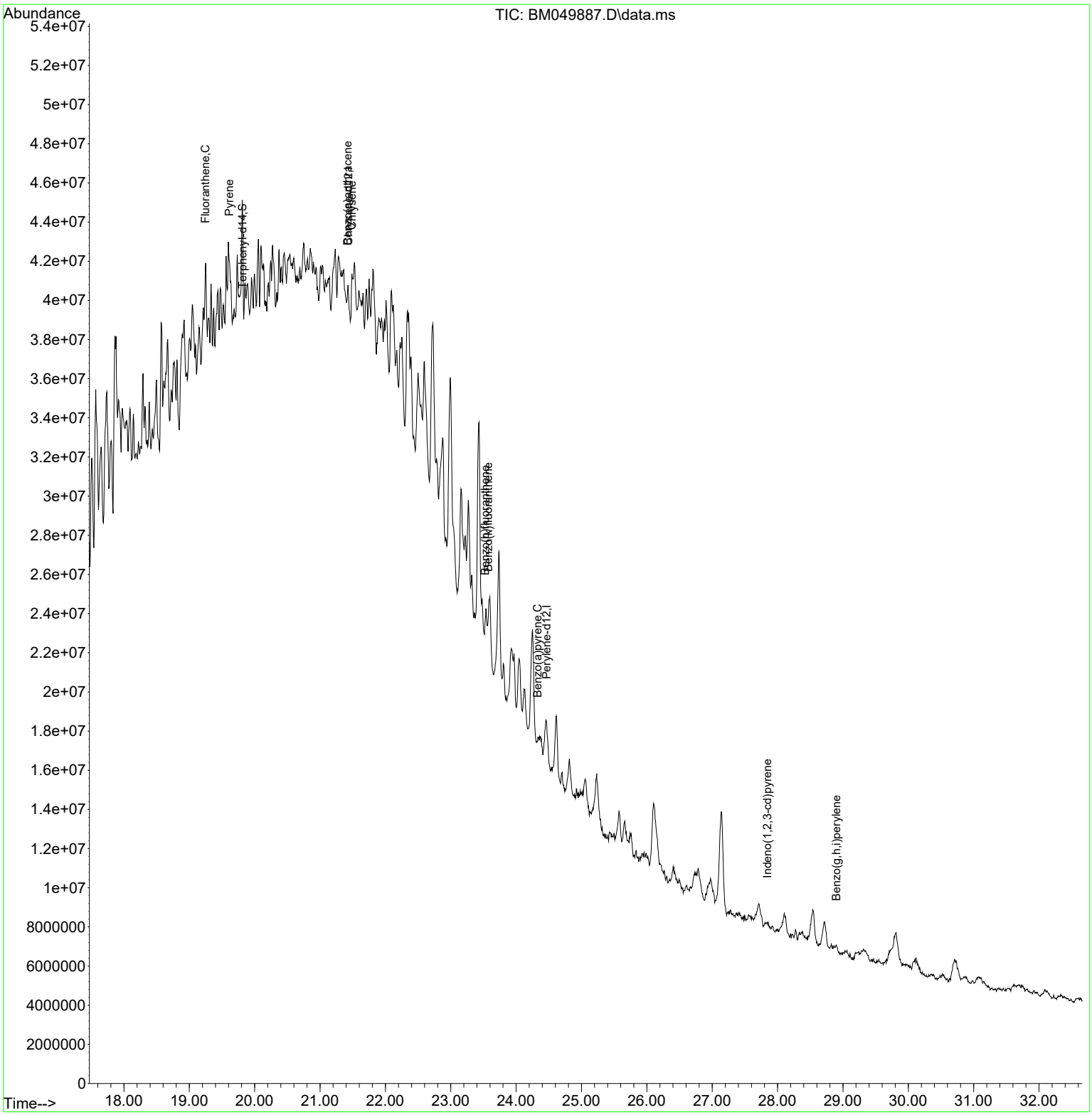
Quant Time: Apr 10 17:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

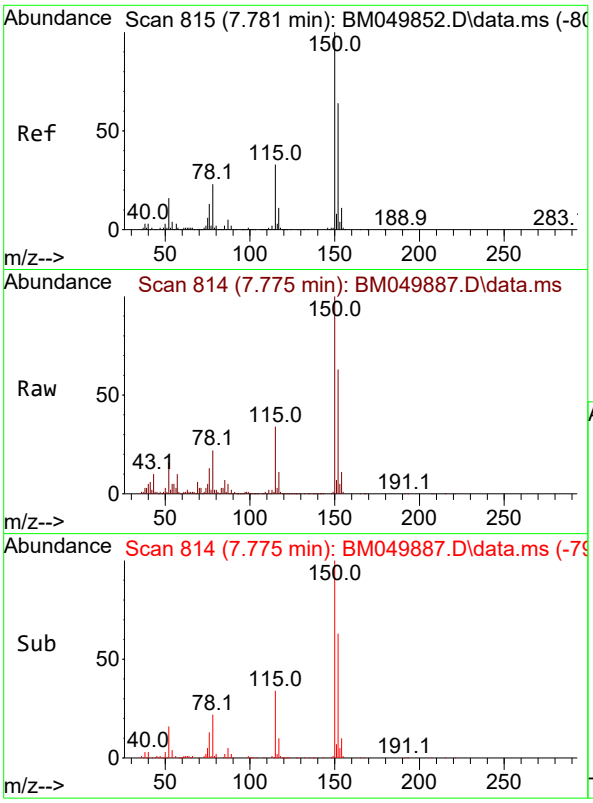


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049887.D
Acq On : 10 Apr 2025 16:46
Operator : RC/JU
Sample : Q1739-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Time: Apr 10 17:25:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



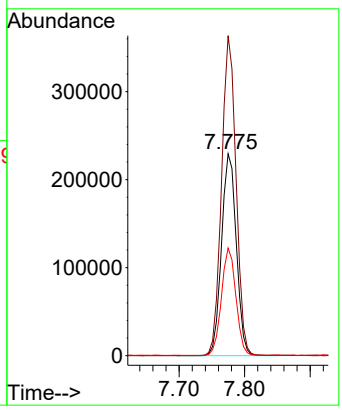


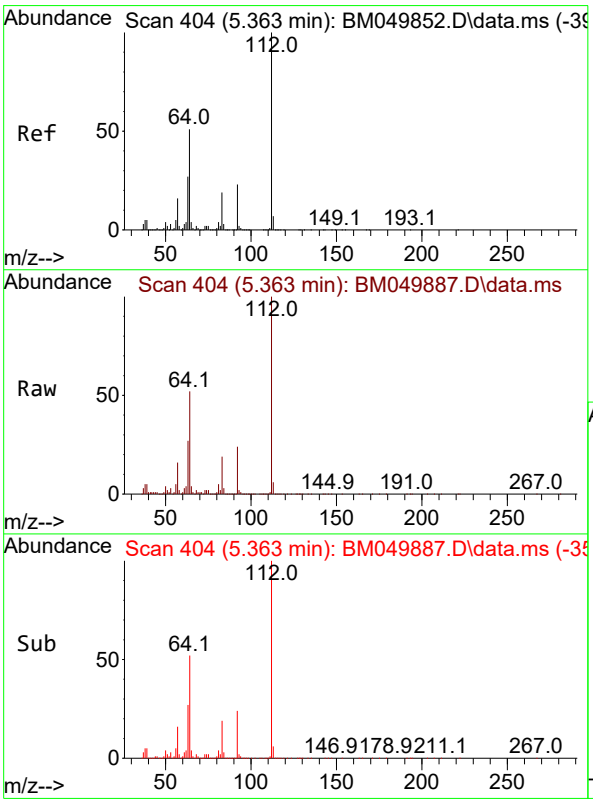
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:152 Resp: 358611

Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.3	186.5
115	53.3	41.1	61.7

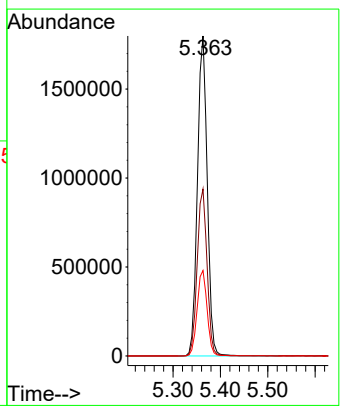


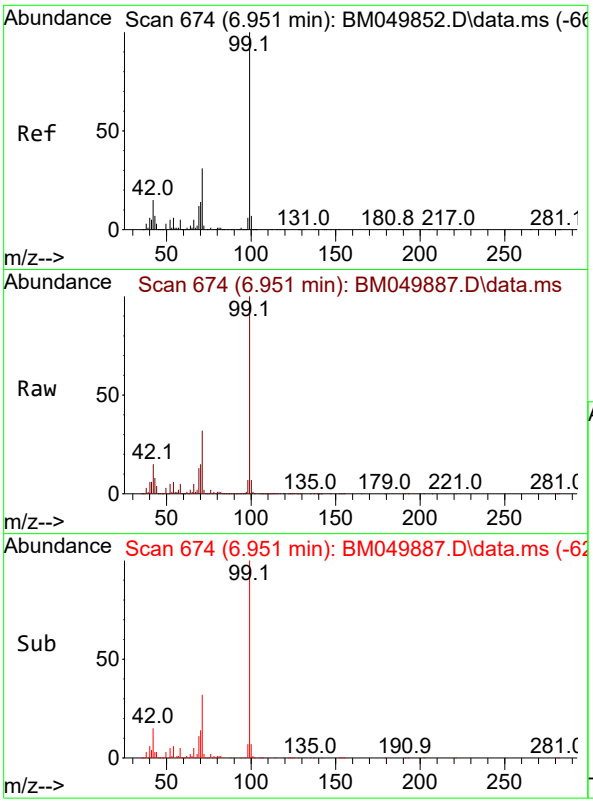


#5
2-Fluorophenol
Concen: 122.240 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:112 Resp: 2581539

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	26.7	21.5	32.3



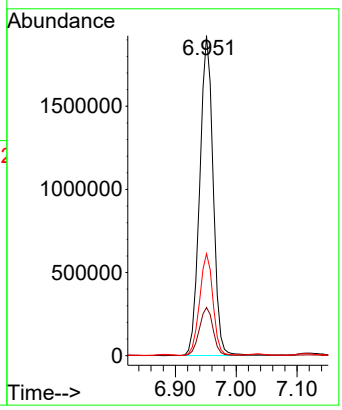


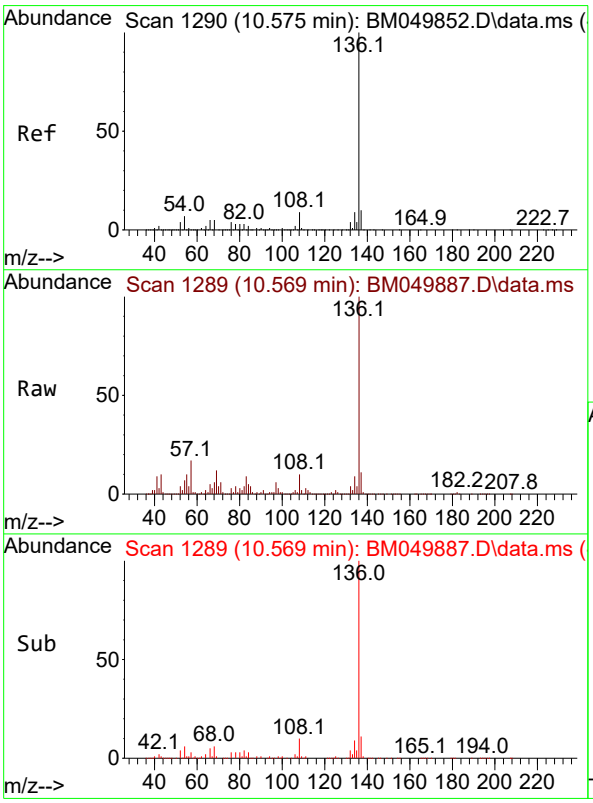
#7
Phenol-d6
Concen: 111.962 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion: 99 Resp: 2941862

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.9	24.9	37.3

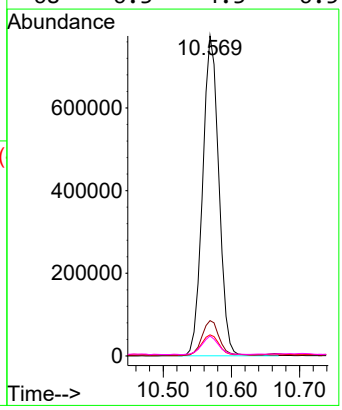


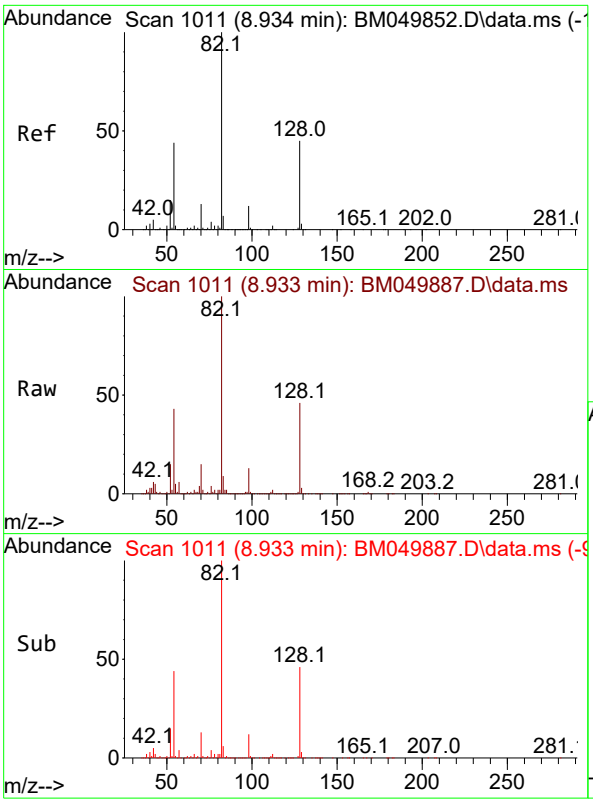


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:136 Resp: 1281723

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.6	5.3	7.9
68	6.3	4.3	6.5



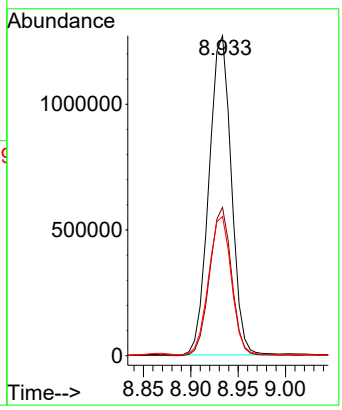


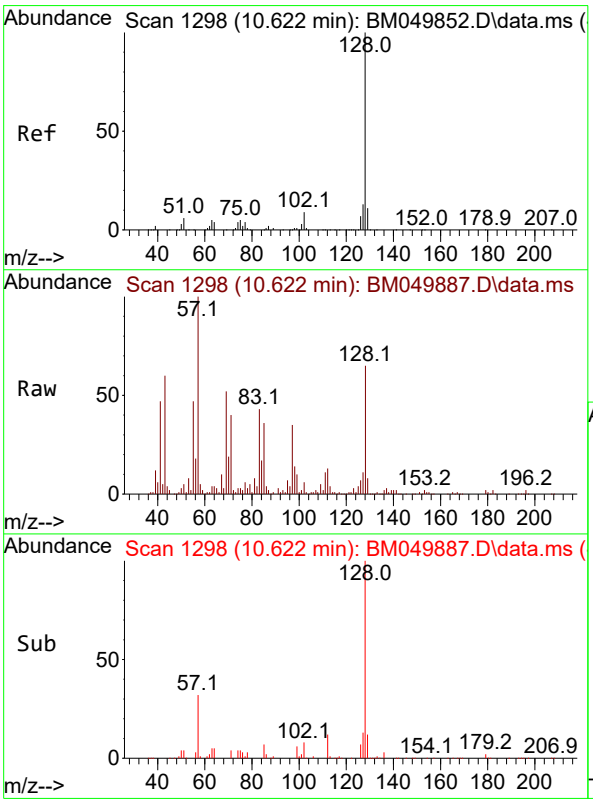
#23
Nitrobenzene-d5
Concen: 90.563 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion: 82 Resp: 2084525

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.2
54	43.5	35.0	52.6

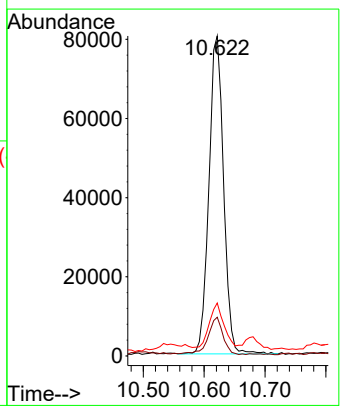


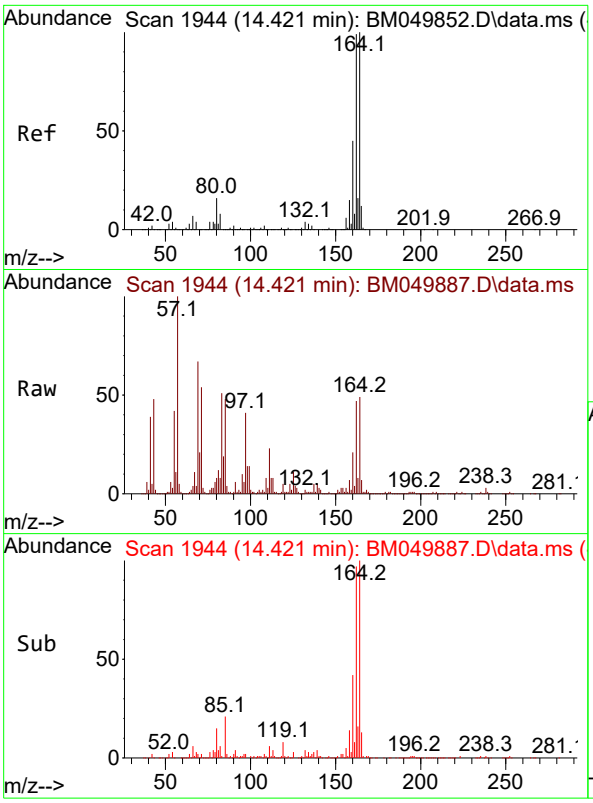


#31
Naphthalene
Concen: 2.044 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:128 Resp: 134597

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	16.5	10.6	15.8#



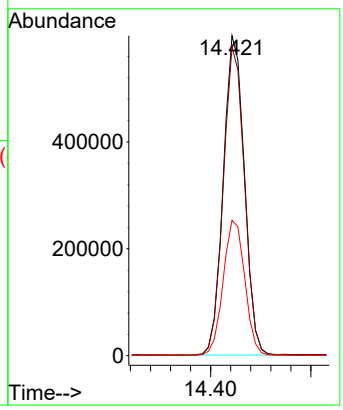


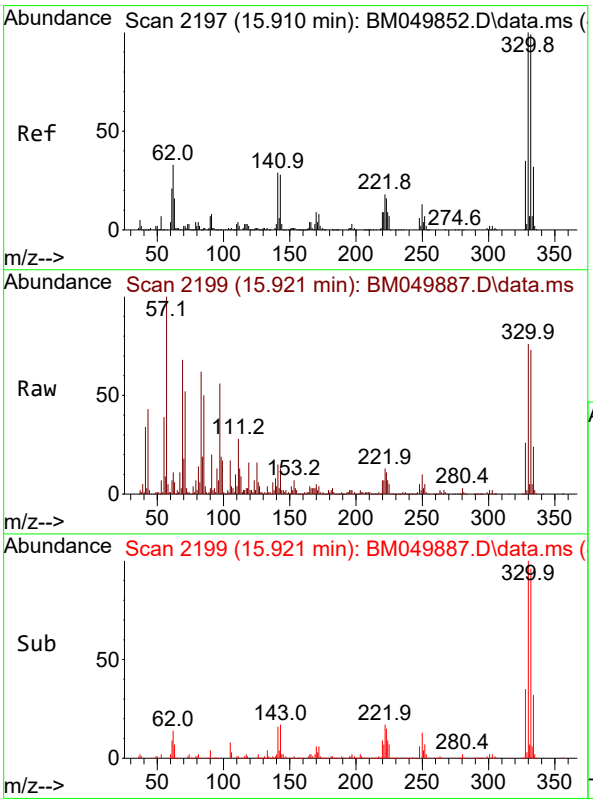
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:164 Resp: 872039

Ion	Ratio	Lower	Upper
164	100		
162	96.4	79.4	119.0
160	42.3	36.2	54.2

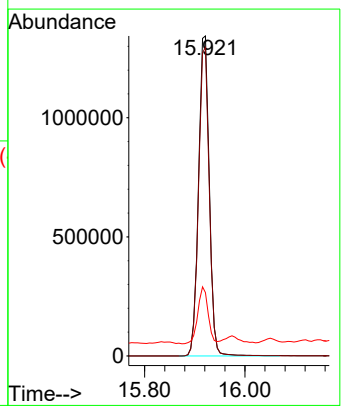


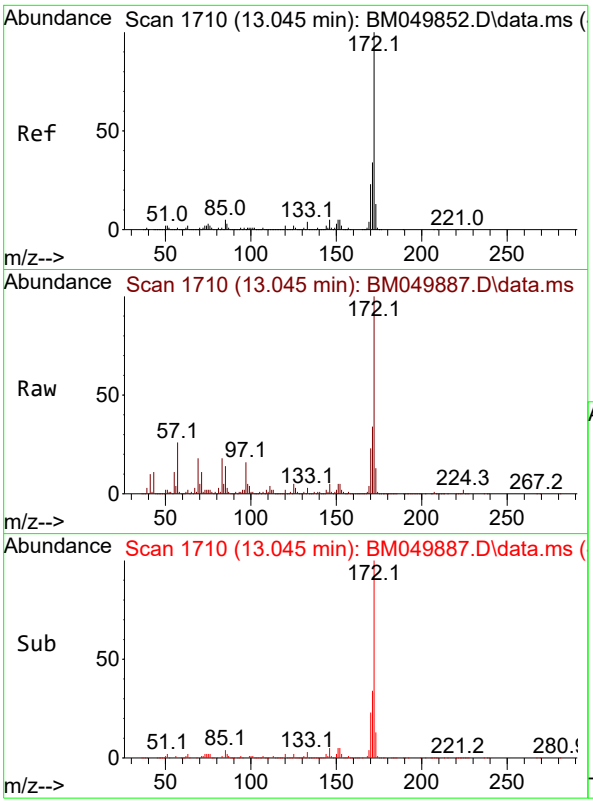


#42
2,4,6-Tribromophenol
Concen: 157.662 ng
RT: 15.921 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:330 Resp: 1999799

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	17.1	23.5	35.3#



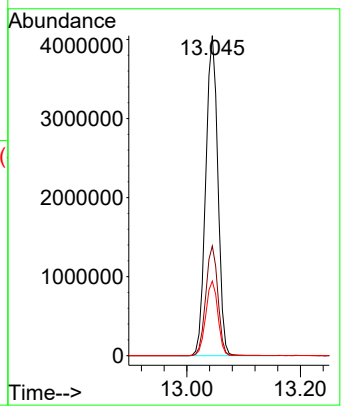


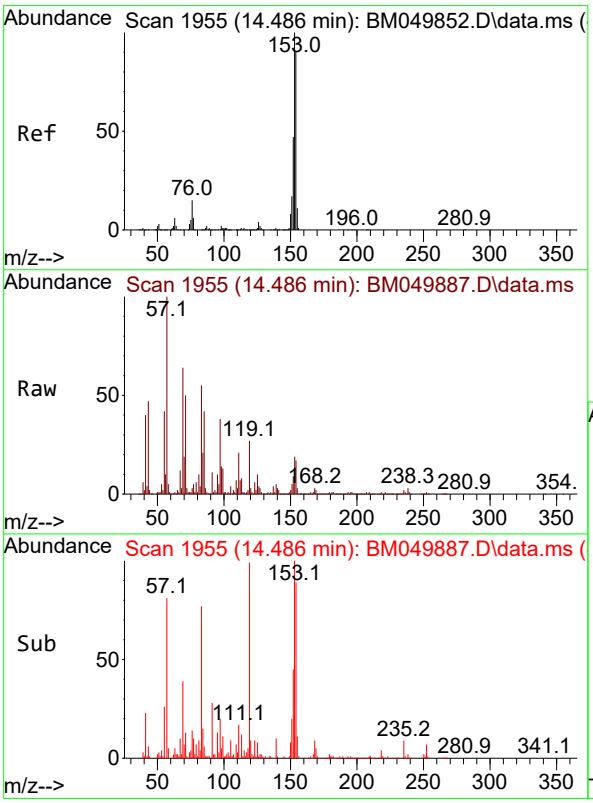
#45
2-Fluorobiphenyl
Concen: 92.698 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:172 Resp: 5961326

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.3	18.6	28.0

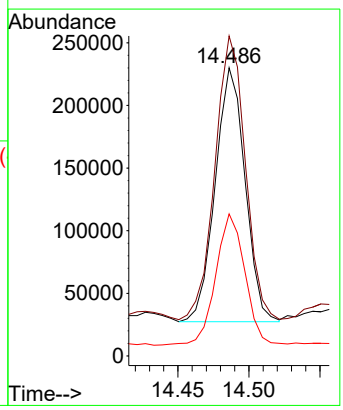


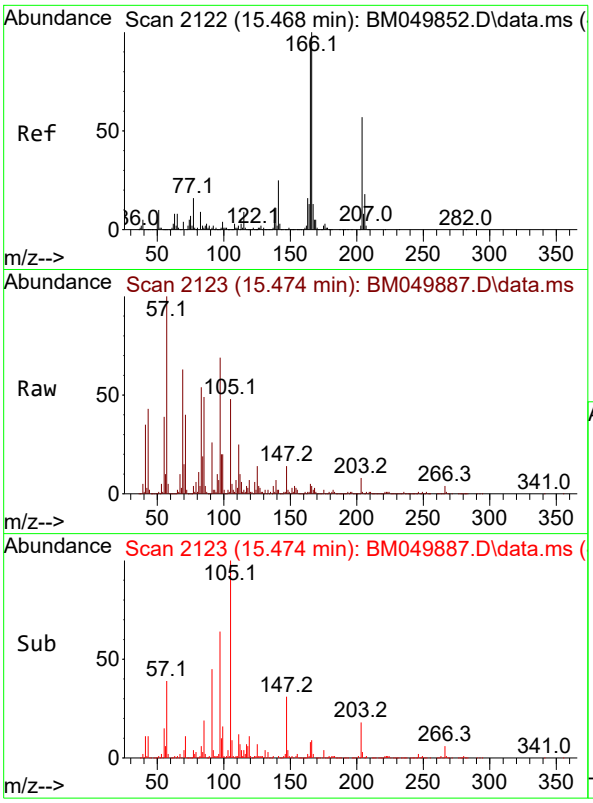


#52
Acenaphthene
Concen: 6.283 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:154 Resp: 296602

Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.3	133.9
152	49.3	42.2	63.2



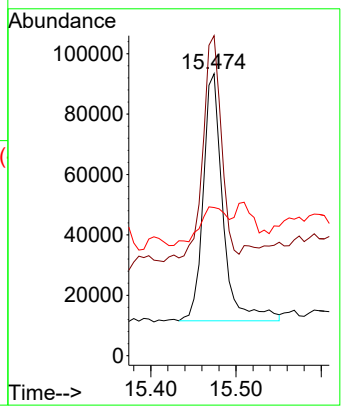


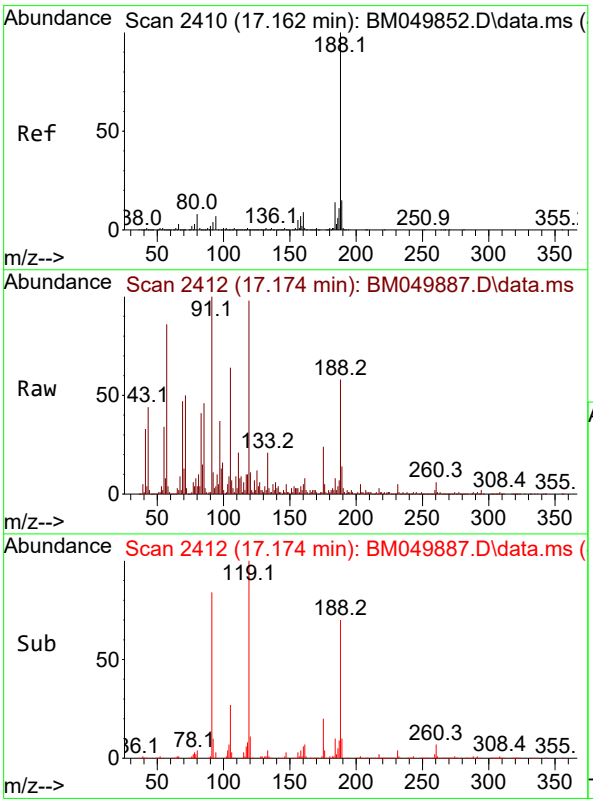
#58
Fluorene
Concen: 2.096 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:166 Resp: 131487

Ion	Ratio	Lower	Upper
166	100		
165	113.5	76.3	114.5
167	52.6	10.7	16.1#

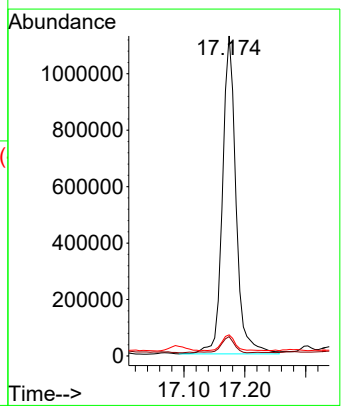


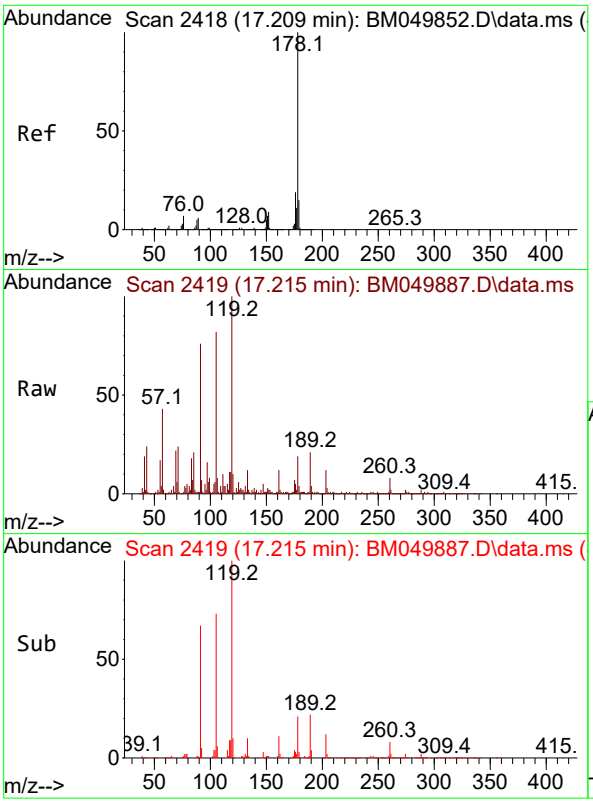


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:188 Resp: 1741711

Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.8	8.6
80	6.6	6.4	9.6



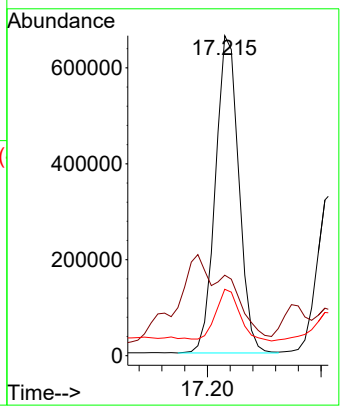


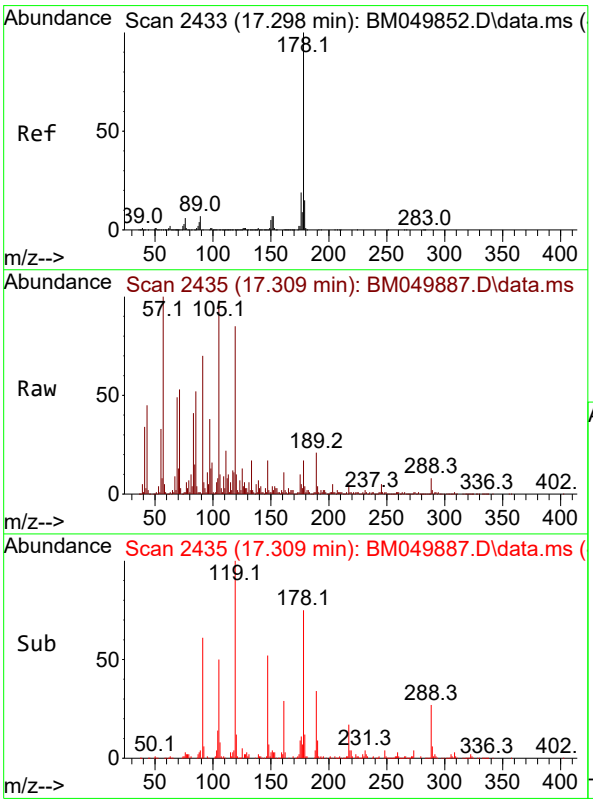
#71
Phenanthrene
Concen: 9.888 ng
RT: 17.215 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:178 Resp: 944184

Ion	Ratio	Lower	Upper
178	100		
176	25.1	15.4	23.2#
179	20.8	12.3	18.5#

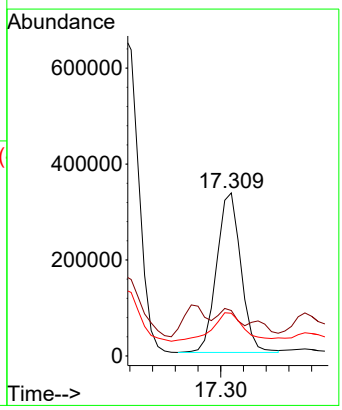


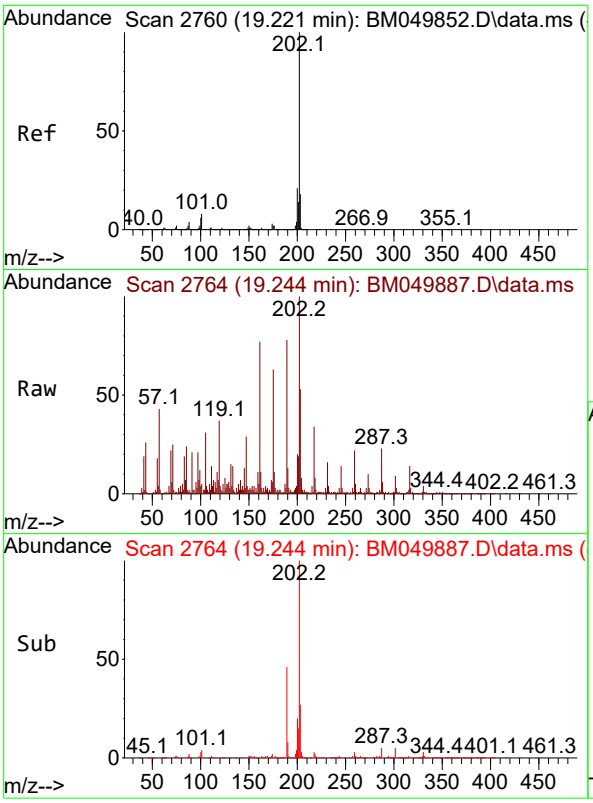


#72
Anthracene
Concen: 5.228 ng
RT: 17.309 min Scan# 2435
Delta R.T. 0.012 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:178 Resp: 491977

Ion	Ratio	Lower	Upper
178	100		
176	27.9	15.1	22.7#
179	26.2	12.4	18.6#



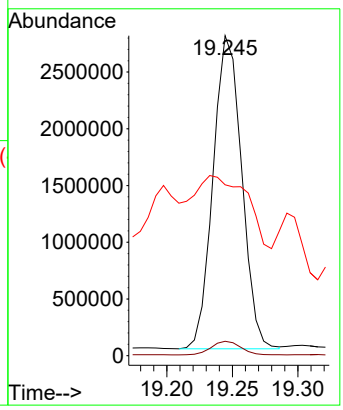


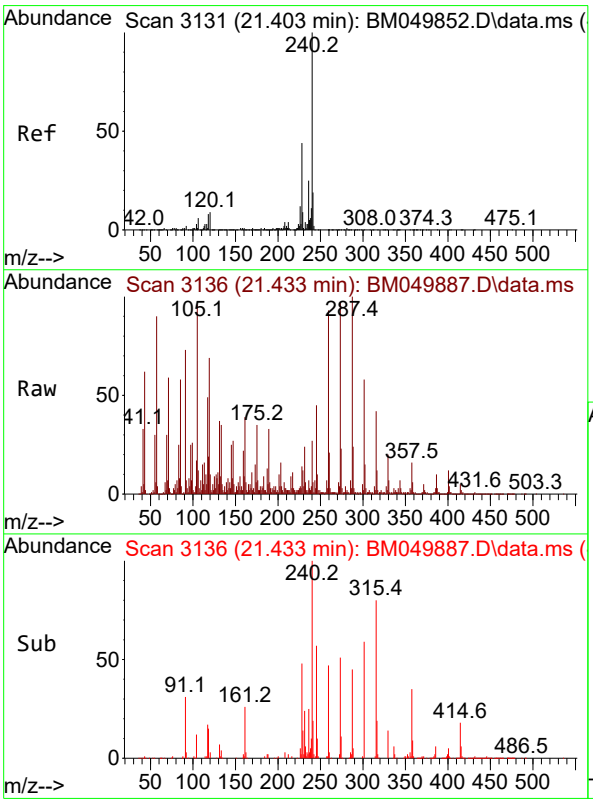
#75
Fluoranthene
Concen: 35.662 ng
RT: 19.244 min Scan# 2
Delta R.T. 0.023 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:202 Resp: 4186907

Ion	Ratio	Lower	Upper
202	100		
101	4.5	0.0	28.4
203	53.4	0.0	37.8#

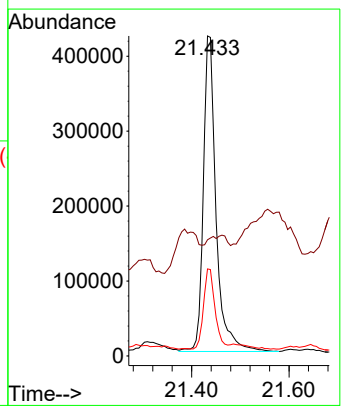


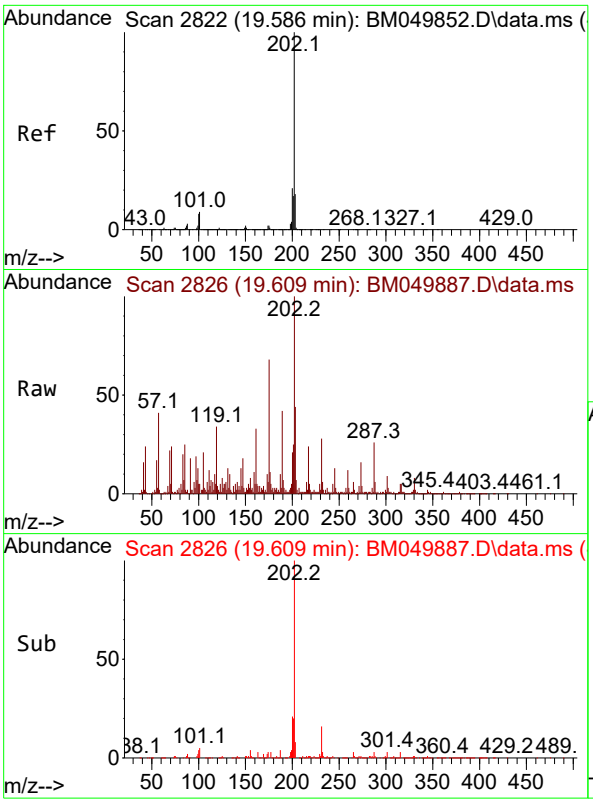


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.029 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:240 Resp: 763660

Ion	Ratio	Lower	Upper
240	100		
120	36.3	6.9	10.3#
236	27.2	20.4	30.6



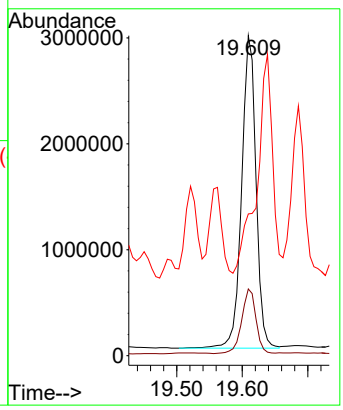


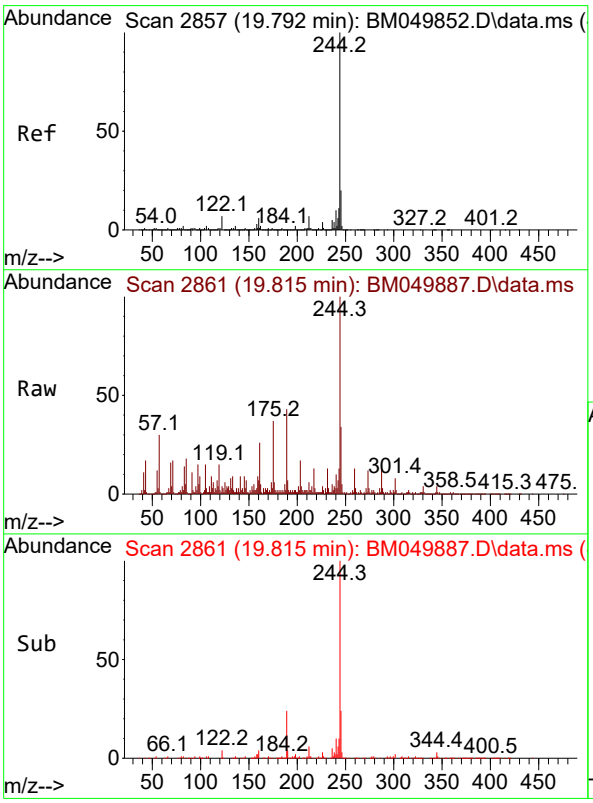
#78
Pyrene
Concen: 85.638 ng
RT: 19.609 min Scan# 2
Delta R.T. 0.023 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:202 Resp: 4507158

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	44.3	14.0	21.0#

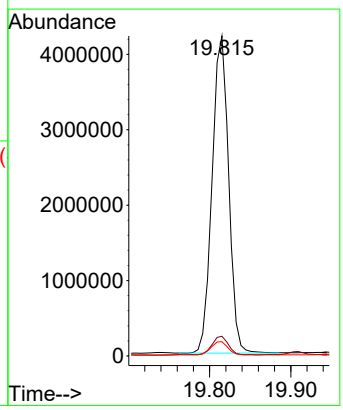


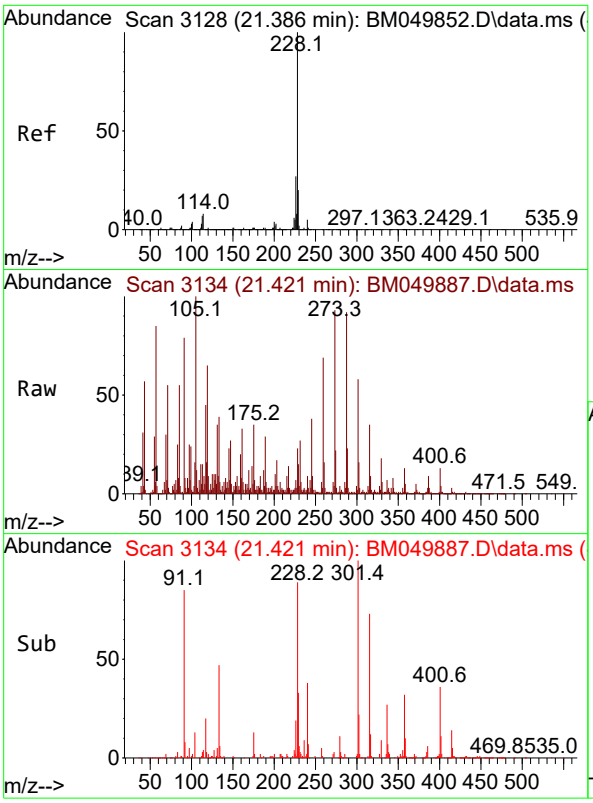


#79
Terphenyl-d14
Concen: 146.124 ng
RT: 19.815 min Scan# 2861
Delta R.T. 0.023 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:244 Resp: 5954452

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	4.4	5.4	8.0#



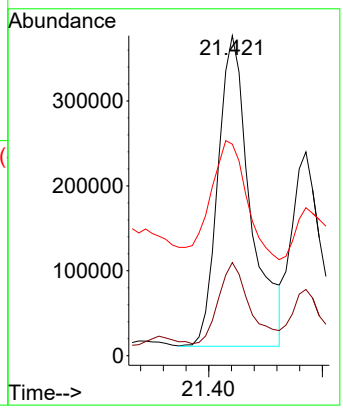


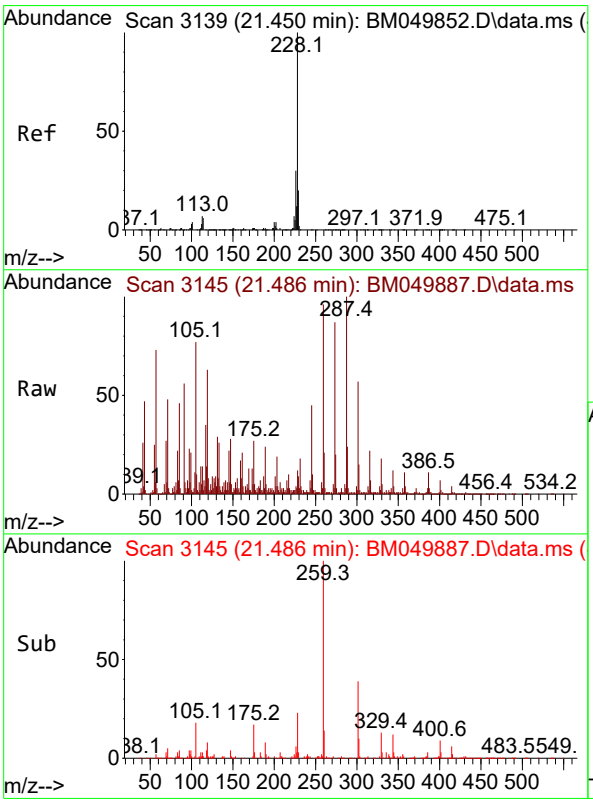
#81
Benzo(a)anthracene
Concen: 14.358 ng
RT: 21.421 min Scan# 3
Delta R.T. 0.035 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:228 Resp: 728722

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	66.1	15.8	23.8#

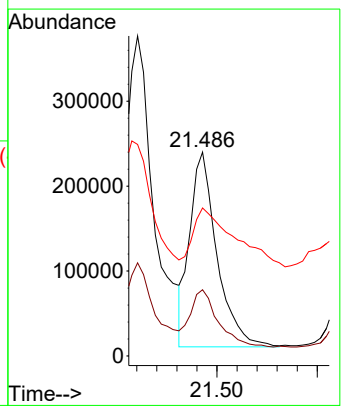


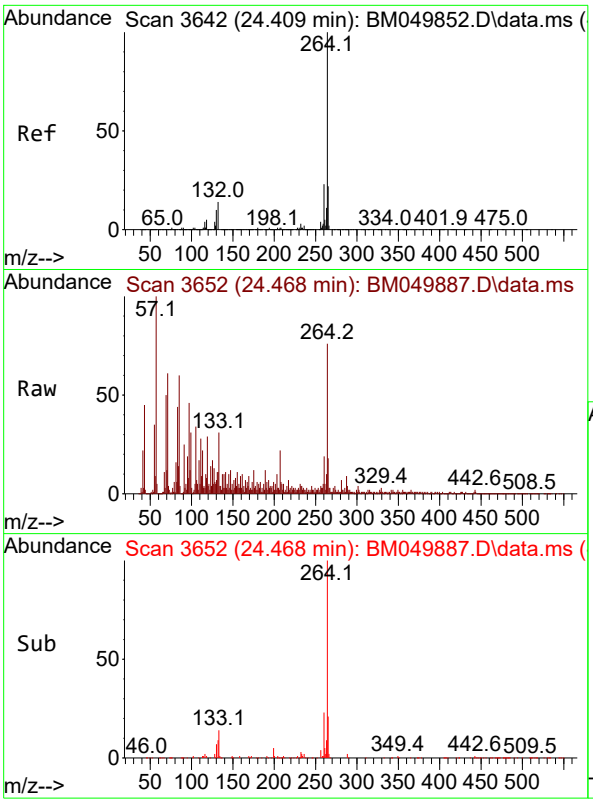


#83
Chrysene
Concen: 8.951 ng
RT: 21.486 min Scan# 3145
Delta R.T. 0.035 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:228 Resp: 431882

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.1	36.1
229	72.6	15.8	23.6#



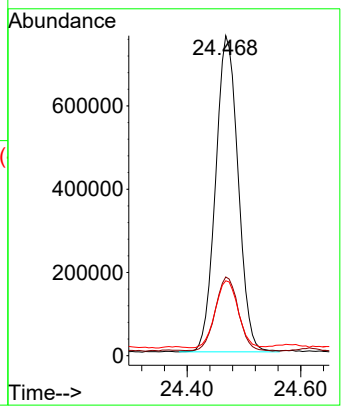


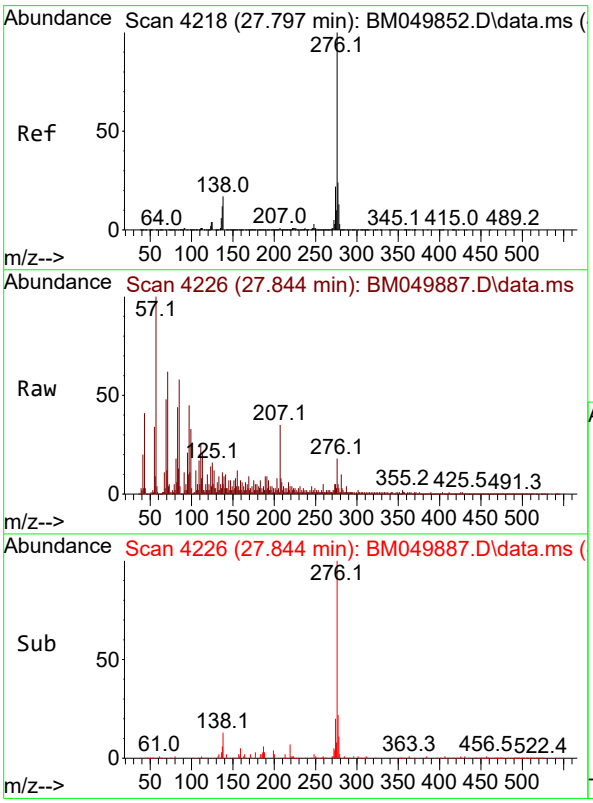
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3
Delta R.T. 0.059 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:264 Resp: 2090736

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	23.4	17.8	26.8

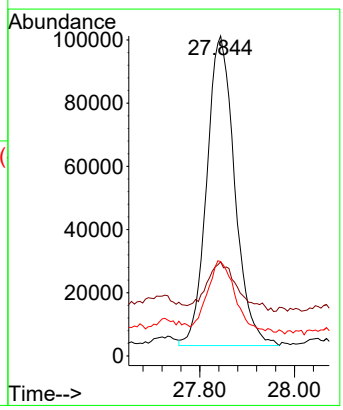


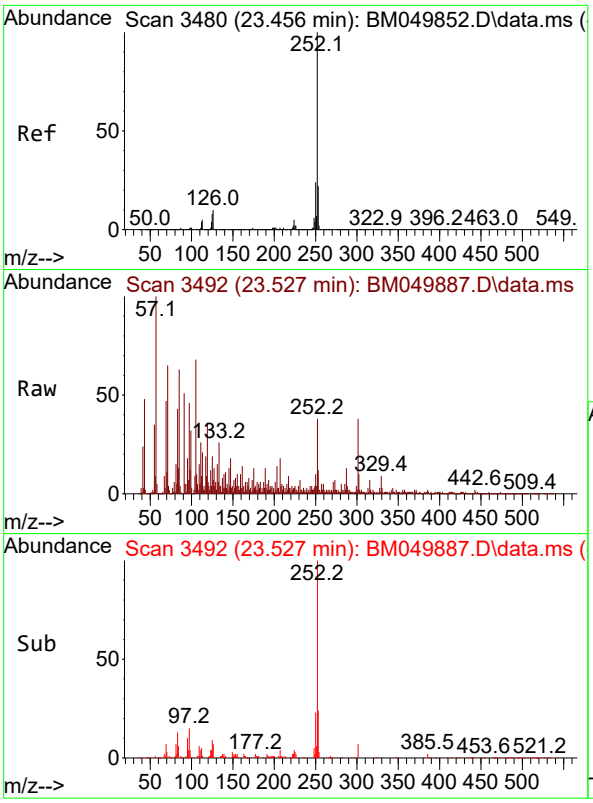


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.573 ng
RT: 27.844 min Scan# 4226
Delta R.T. 0.047 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:276 Resp: 400940

Ion	Ratio	Lower	Upper
276	100		
138	17.9	16.8	25.2
277	21.8	20.1	30.1



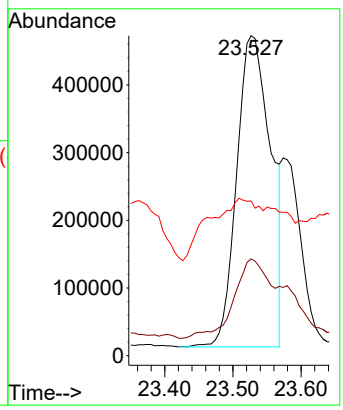


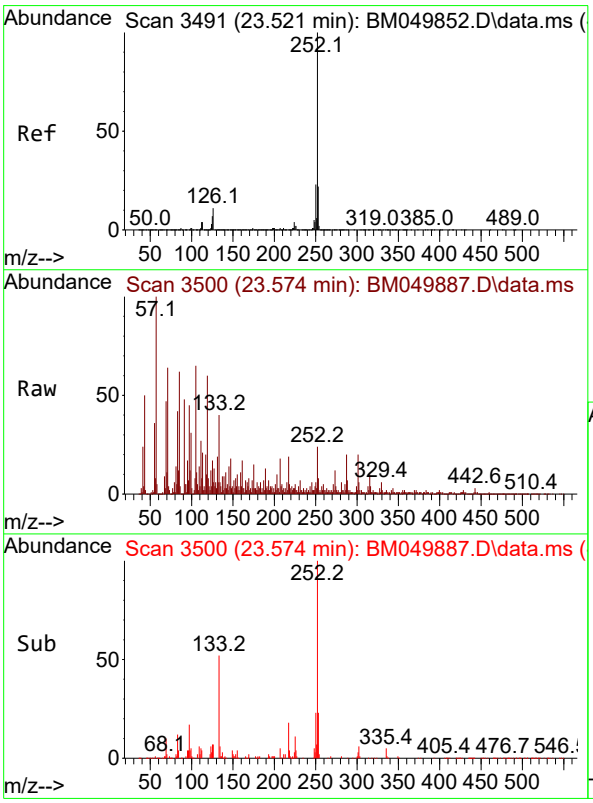
#88
Benzo(b)fluoranthene
Concen: 11.990 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.070 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:252 Resp: 1600999

Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.5	26.3#
125	48.3	6.2	9.4#

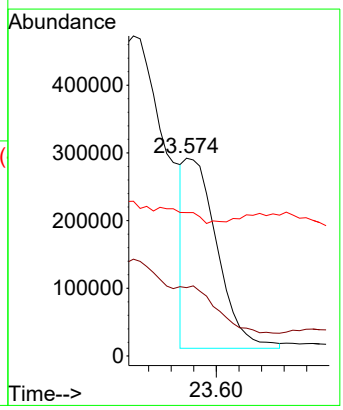


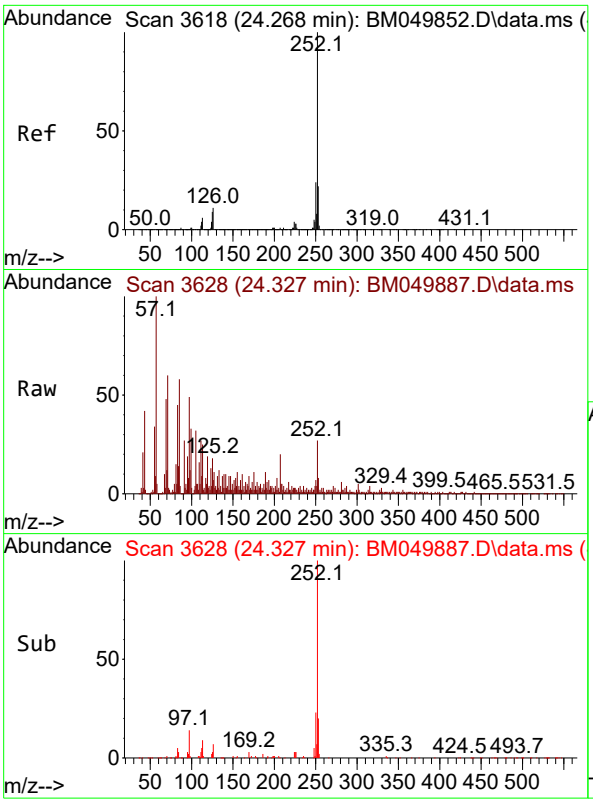


#89
Benzo(k)fluoranthene
Concen: 4.384 ng m
RT: 23.574 min Scan# 3500
Delta R.T. 0.053 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:252 Resp: 567255

Ion	Ratio	Lower	Upper
252	100		
253	34.6	17.4	26.2#
125	72.5	5.8	8.8#



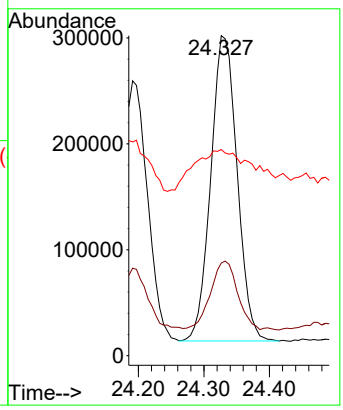


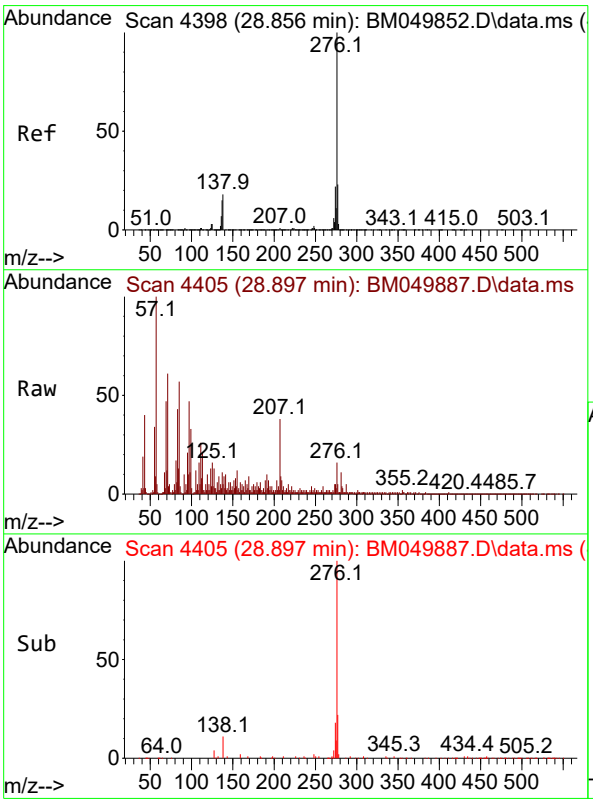
#90
Benzo(a)pyrene
Concen: 6.859 ng
RT: 24.327 min Scan# 3
Delta R.T. 0.059 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:252 Resp: 804802

Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.8	26.8#
125	64.4	7.0	10.4#

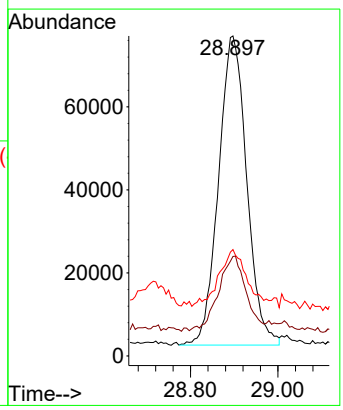




#92
Benzo(g,h,i)perylene
Concen: 2.542 ng
RT: 28.897 min Scan# 4405
Delta R.T. 0.041 min
Lab File: BM049887.D
Acq: 10 Apr 2025 16:46

Tgt Ion:276 Resp: 333461

Ion	Ratio	Lower	Upper
276	100		
277	31.1	18.7	28.1#
138	33.3	14.6	21.8#



CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM0498
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)		Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)		n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5)	S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)		Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7)	S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)		2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)		Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10)	C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)		bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)		1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13)	C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)		1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)		Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)		2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)		2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)		Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19)	P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)		3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23)	S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)		Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)		Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26)	C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)		2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)		bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29)	C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)		1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)		Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)		Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)		4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34)	C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)		Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36)	C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)		2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)		1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02
41)	P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86
42)	S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94
43)	C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46
44)		2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52
45)	S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68
46)		1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45
47)		2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88
48)		2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83
49)		Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46
50)		Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27
51)		2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38
52)	C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83
53)		3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64
54)	P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04
55)		Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52
56)	P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34
57)		2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45
58)		Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67
59)		2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21
60)		Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46
61)		4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43
62)		4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02
63)		Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60
66)	c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54
67)		4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83
68)		Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08
69)		Atrazine	0.186	0.177	0.142	0.130	0.142		0.155		15.89
70)	C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46
71)		Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41
72)		Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41
73)		Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69
74)		Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22
75)	C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93
78)		Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35
79)	S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91
80)		Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88
81)		Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38
82)		3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74
83)		Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21
84)		Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16
85)	c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)		Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)		Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90)	C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)		Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)		Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

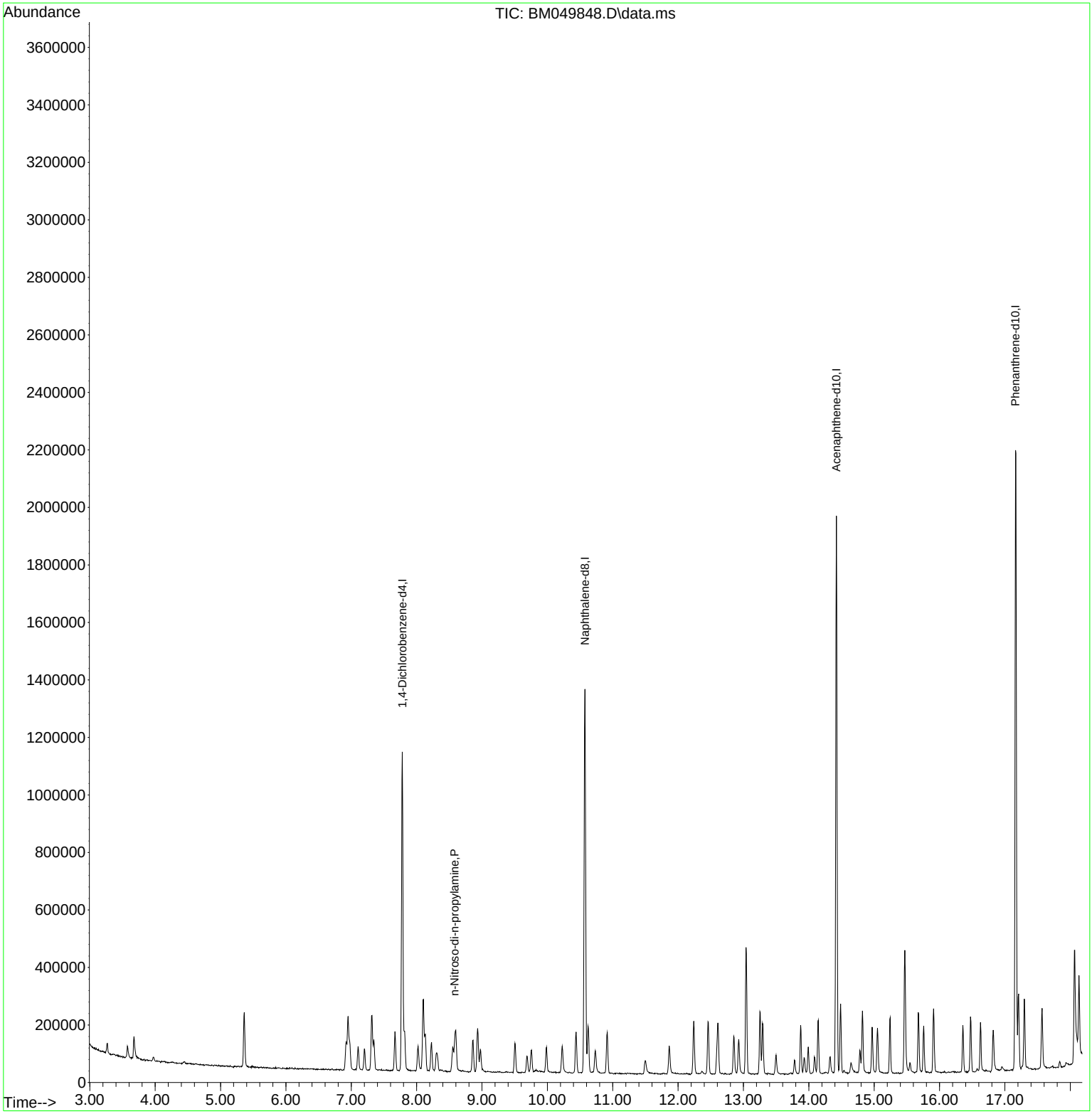
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	320498	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1104487	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	681841	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1325316	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1306777	20.000	ng	0.00
86) Perylene-d12	24.409	264	1436109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.580	70	30460	2.342	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

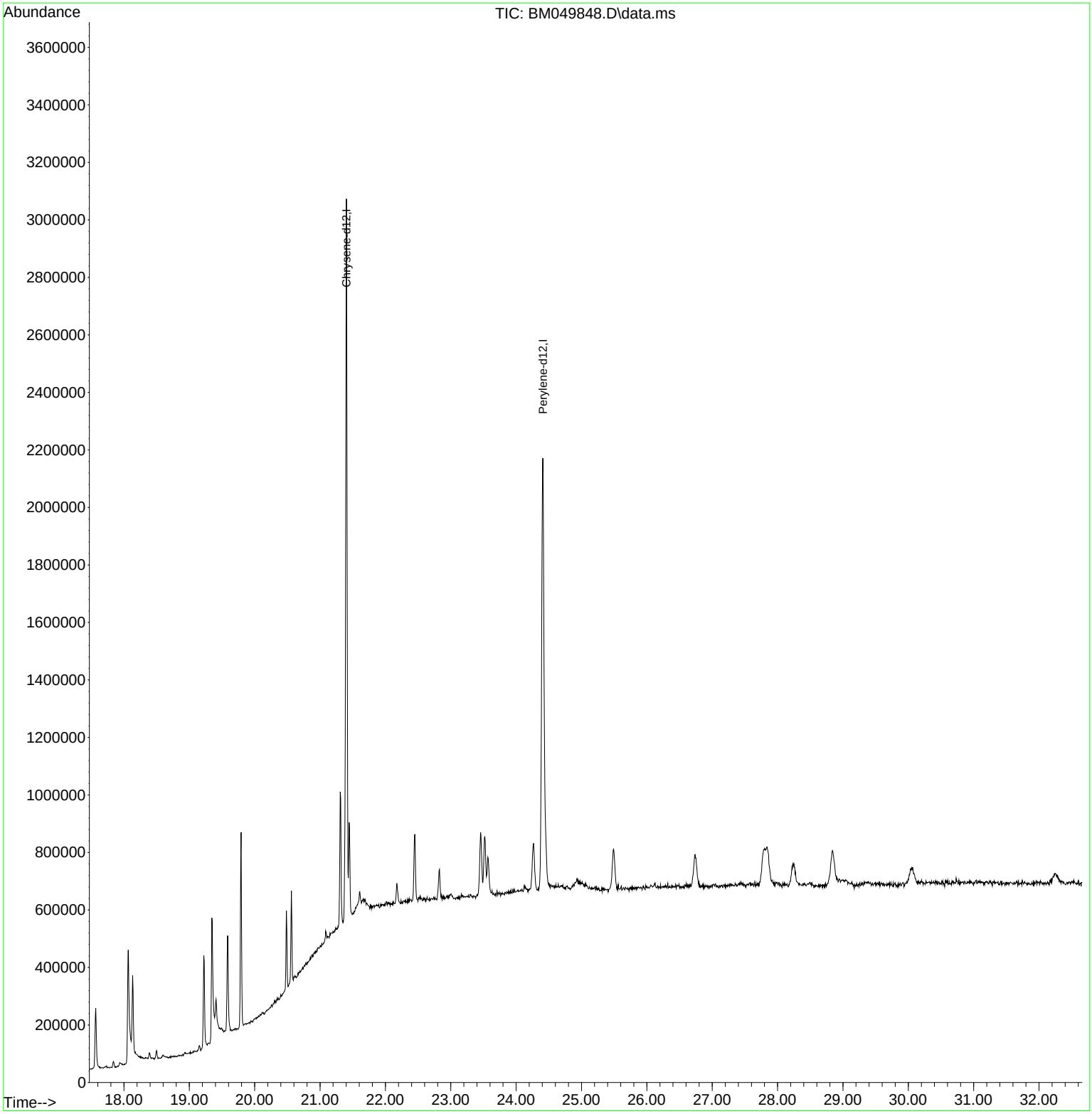
Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

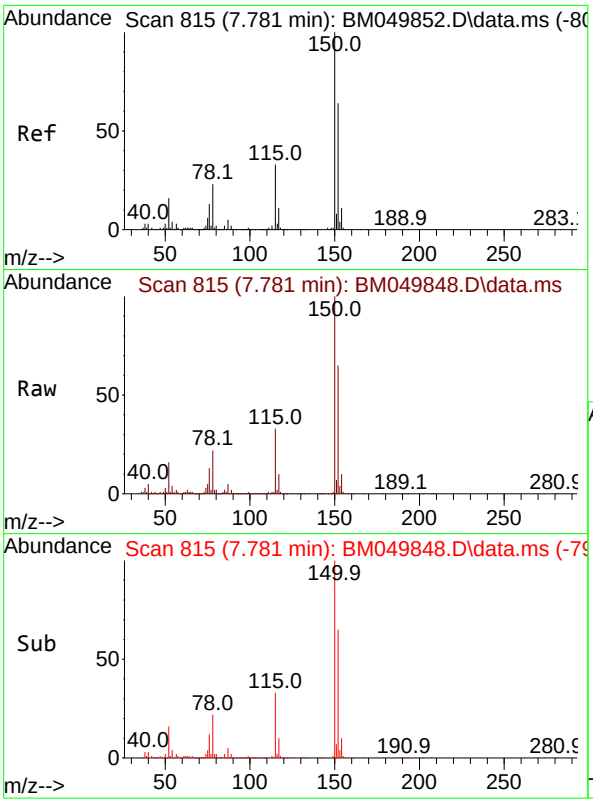


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



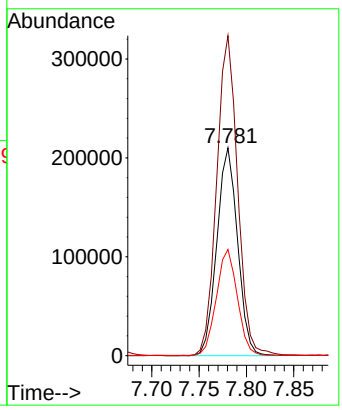


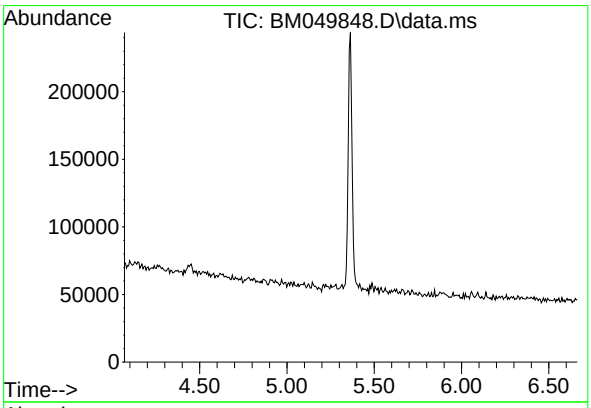
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 320498

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	51.1	41.1	61.7



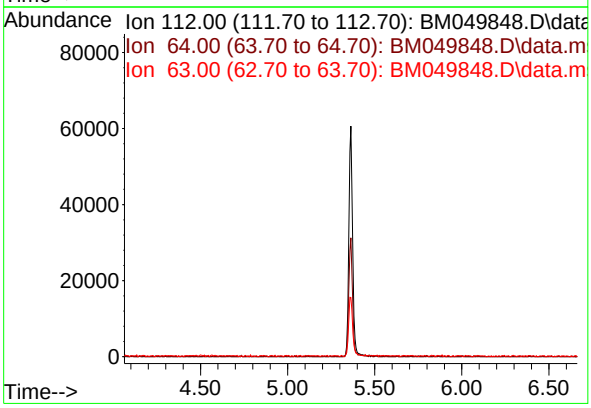


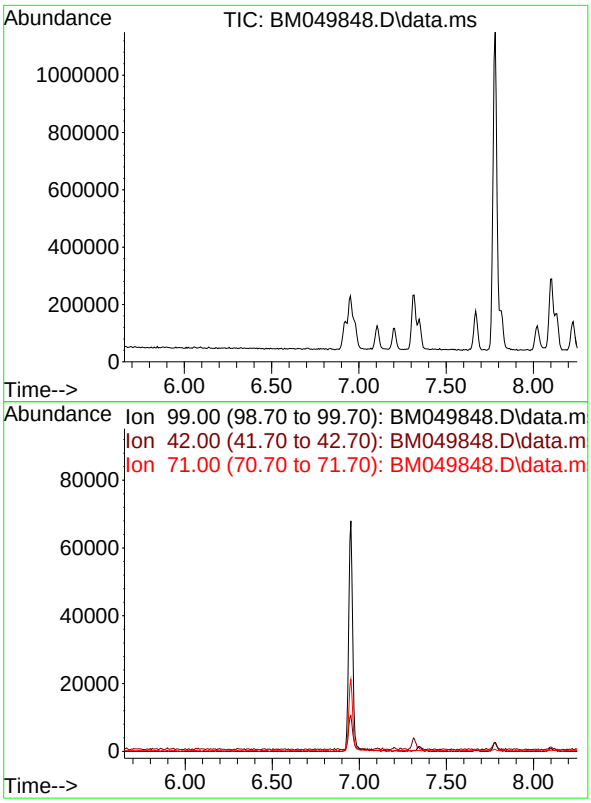
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.3
63	26.9





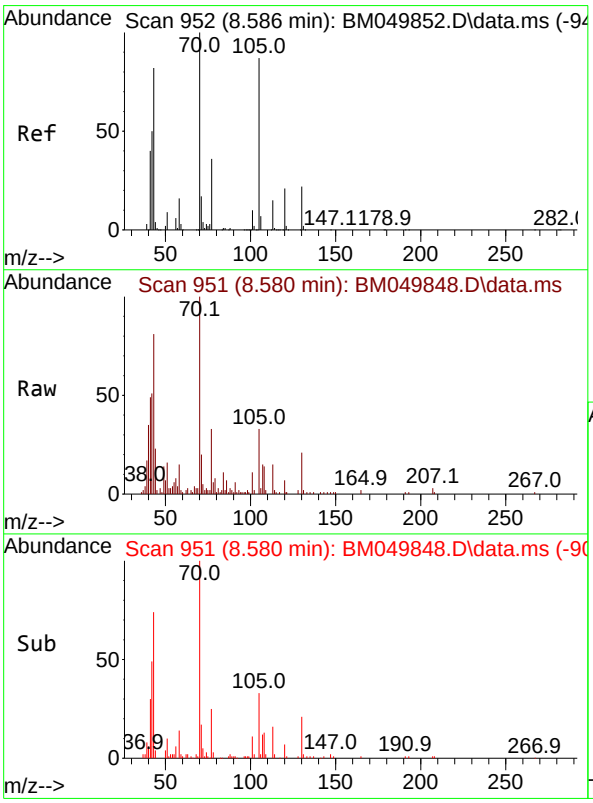
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

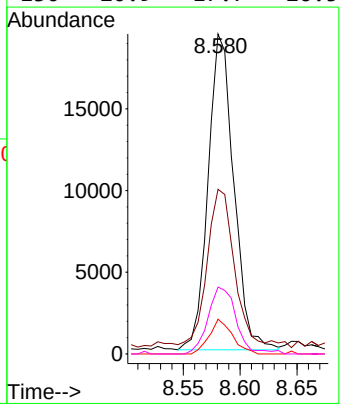
Sig	Exp Ratio
99	100
42	15.1
71	31.1

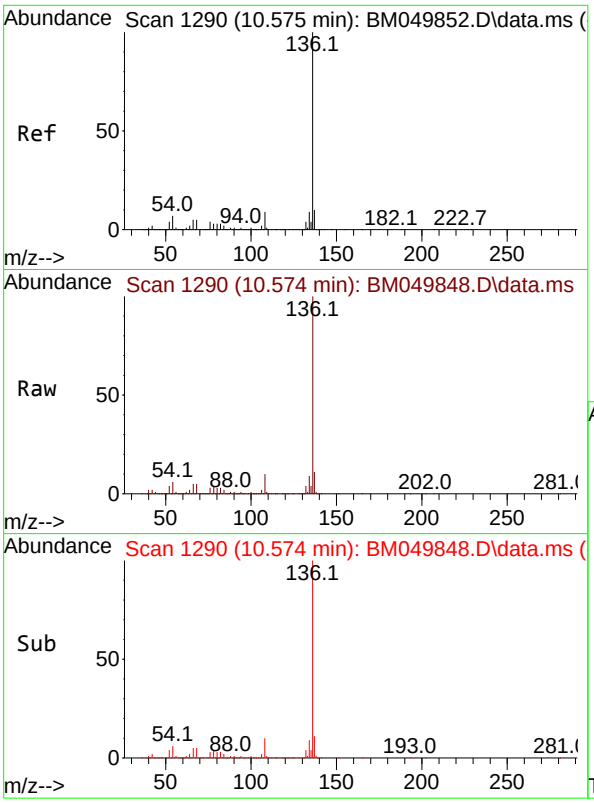


#19
n-Nitroso-di-n-propylamine
Concen: 2.342 ng
RT: 8.580 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 70 Resp: 30460

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	10.9	7.9	11.9
130	20.9	17.7	26.5



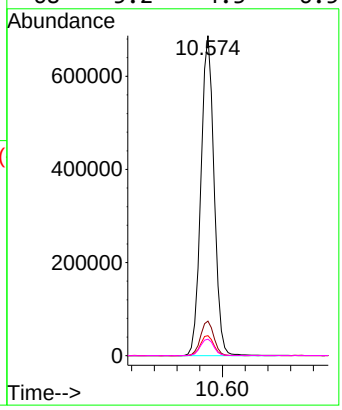


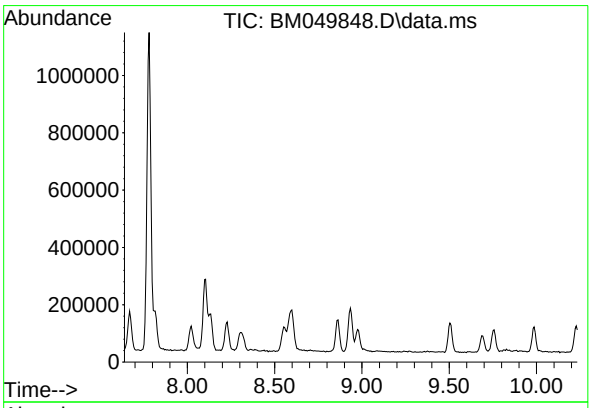
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1104487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.3	5.3	7.9
68	5.2	4.3	6.5



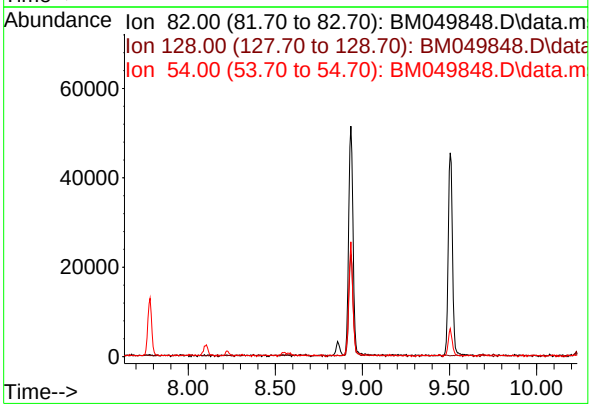


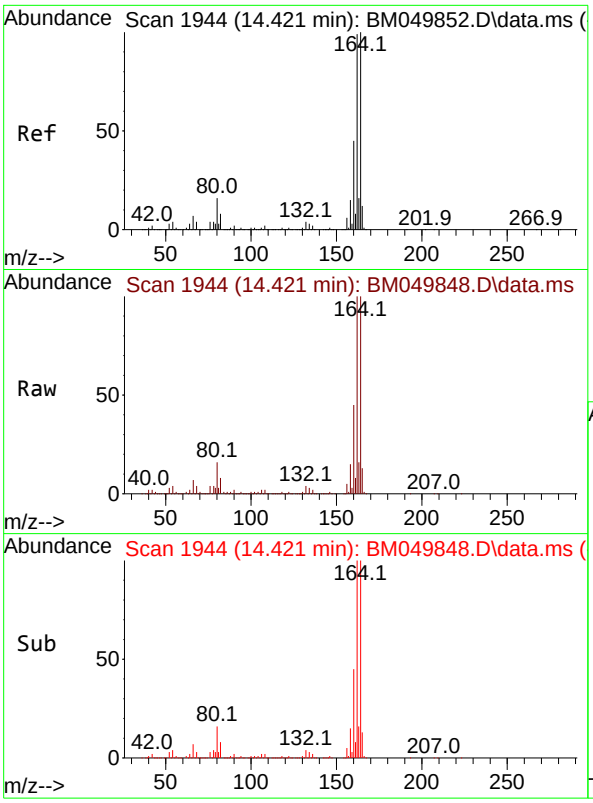
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.2
54	43.8



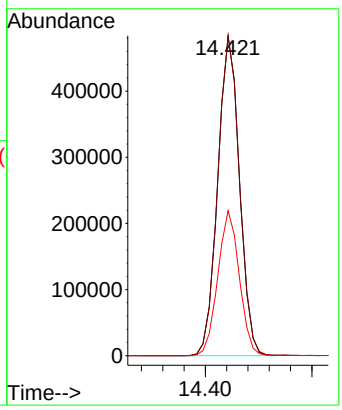


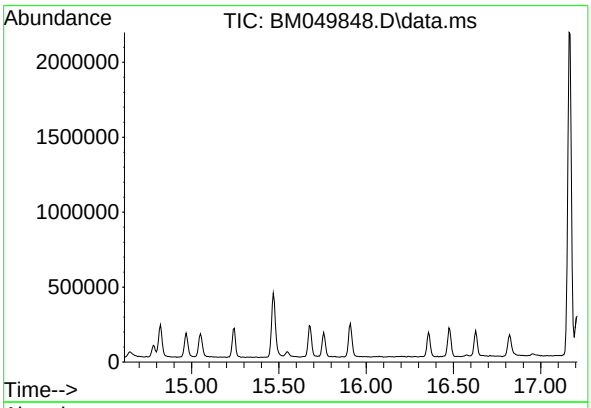
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 681841

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.4	119.0
160	45.4	36.2	54.2



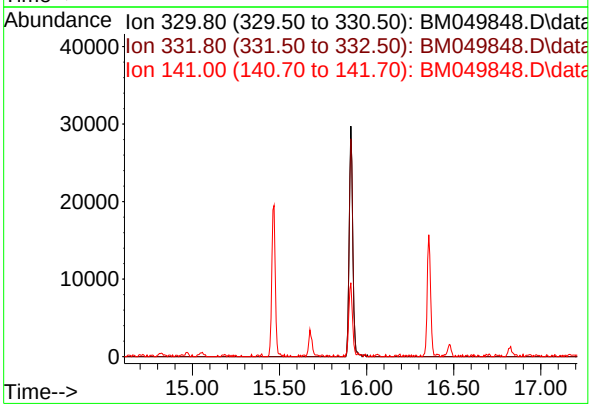


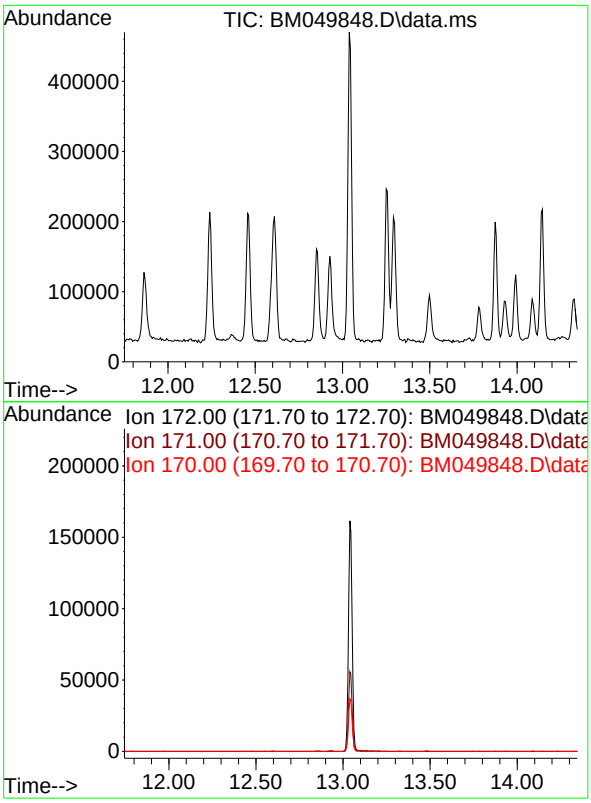
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	29.4





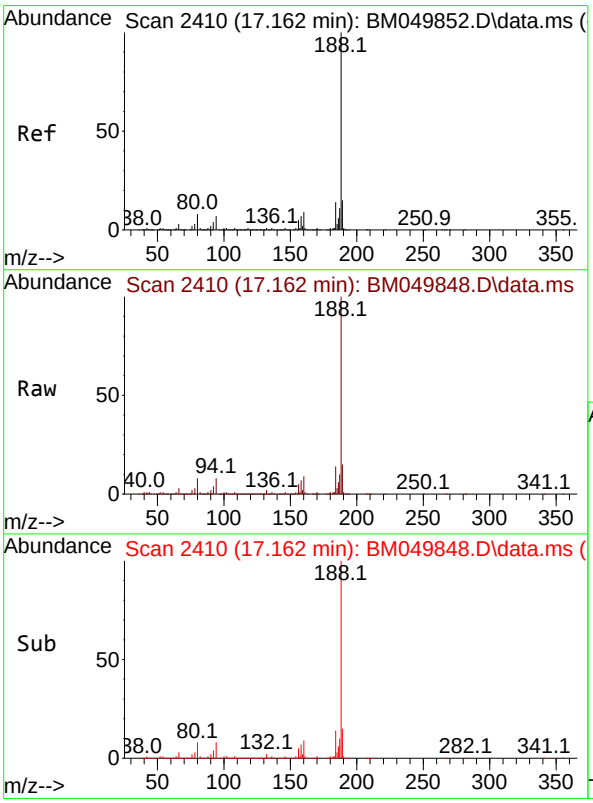
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.05 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

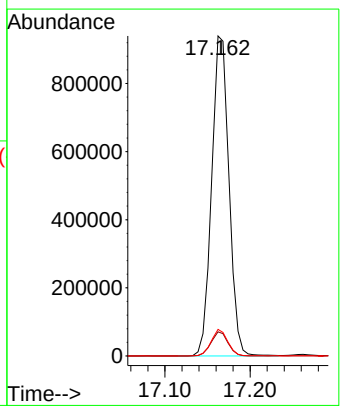
Sig	Exp Ratio
172	100
171	34.3
170	23.3

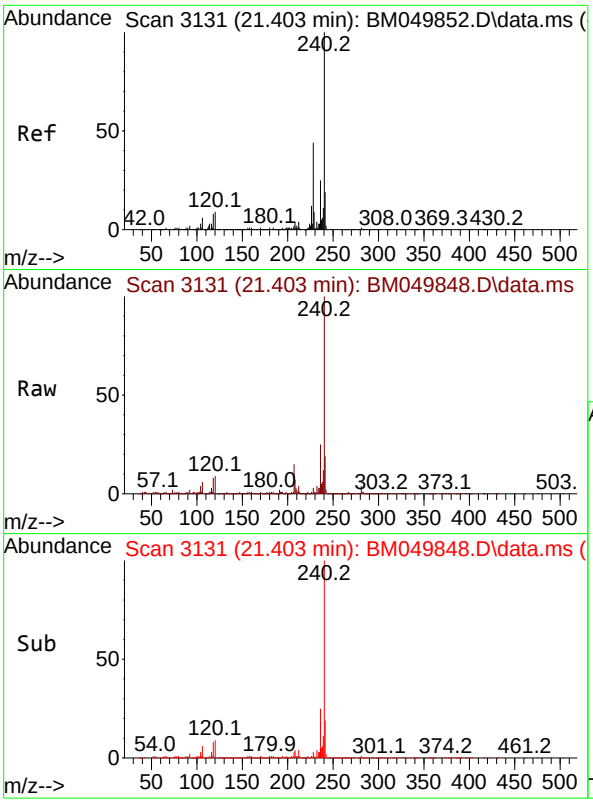


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion:188 Resp: 1325316

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.3	6.4	9.6



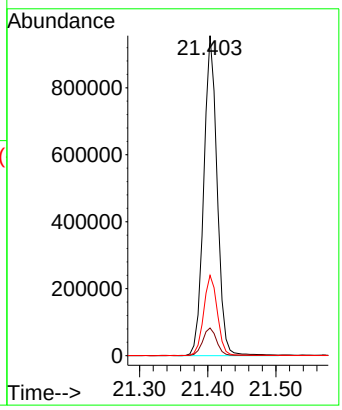


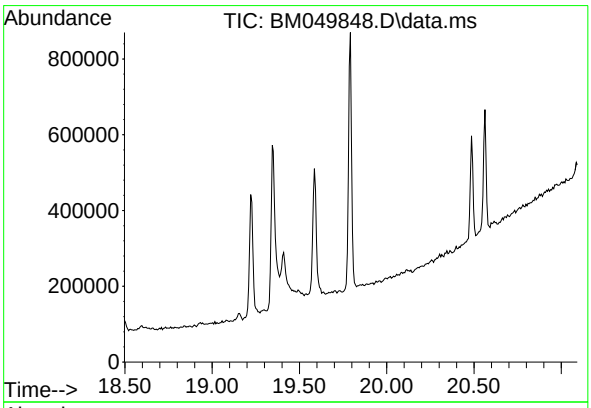
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1306777

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.1	20.4	30.6



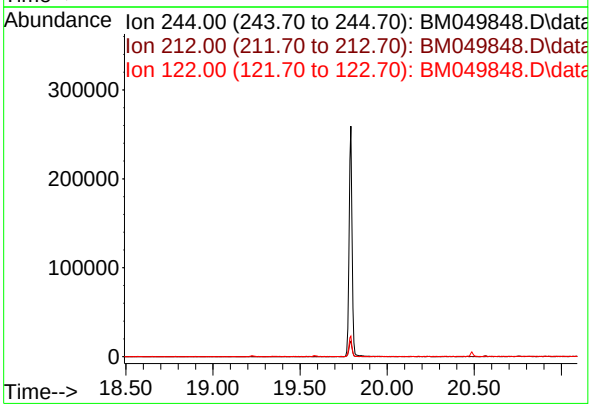


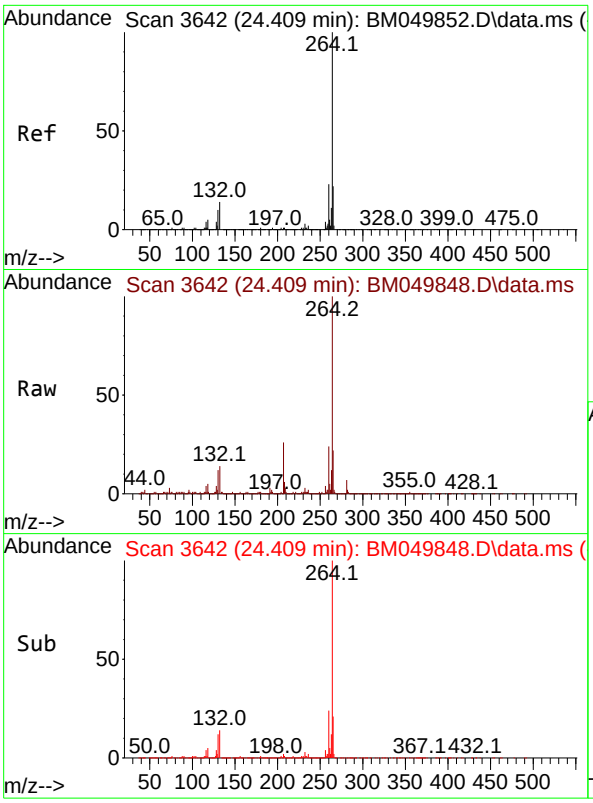
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.79 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	6.7



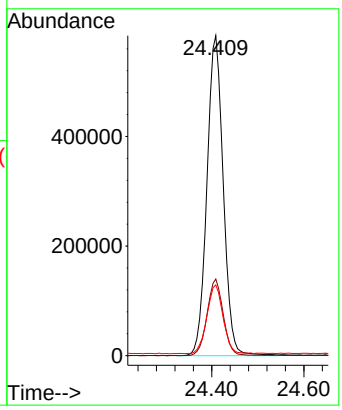


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1436109

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.1	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	315494	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1095995	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	671126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1305854	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1255417	20.000	ng		0.00
86) Perylene-d12	24.403	264	1363674	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	180654	9.723	ng		0.00
7) Phenol-d6	6.951	99	219444	9.493	ng		0.00
23) Nitrobenzene-d5	8.933	82	183508	9.324	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	86574	8.869	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	478149	9.661	ng		0.00
79) Terphenyl-d14	19.792	244	620191	9.258	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	39196	5.123	ng		99
3) Pyridine	3.669	79	99537	4.953	ng		93
4) n-Nitrosodimethylamine	3.575	42	37684	4.926	ng	#	91
6) Aniline	7.104	93	102863	5.193	ng		98
8) 2-Chlorophenol	7.345	128	93043	4.887	ng		99
9) Benzaldehyde	6.922	77	68896m	5.813	ng		
10) Phenol	6.975	94	108517	4.811	ng		100
11) bis(2-Chloroethyl)ether	7.204	93	87813	4.964	ng		99
12) 1,3-Dichlorobenzene	7.669	146	111770	4.965	ng		98
13) 1,4-Dichlorobenzene	7.816	146	111836	4.937	ng		99
14) 1,2-Dichlorobenzene	8.133	146	106307	4.983	ng		96
15) Benzyl Alcohol	8.022	79	67196	4.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	100016	5.073	ng		97
17) 2-Methylphenol	8.228	107	67662	4.867	ng		99
18) Hexachloroethane	8.863	117	39805	5.051	ng		96
19) n-Nitroso-di-n-propyla...	8.581	70	61968	4.840	ng		97
20) 3+4-Methylphenols	8.551	107	89903	4.744	ng		99
22) Acetophenone	8.598	105	126780	4.760	ng		96
24) Nitrobenzene	8.975	77	90100	4.754	ng		99
25) Isophorone	9.504	82	156018	4.732	ng		99
26) 2-Nitrophenol	9.686	139	44371	4.417	ng		96
27) 2,4-Dimethylphenol	9.757	122	50734	4.457	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	105841	4.795	ng		98
29) 2,4-Dichlorophenol	10.227	162	87444	4.621	ng		97
30) 1,2,4-Trichlorobenzene	10.439	180	105742	4.830	ng		99
31) Naphthalene	10.622	128	274967	4.883	ng		99
33) 4-Chloroaniline	10.733	127	95317	4.793	ng		99
34) Hexachlorobutadiene	10.916	225	65197	4.815	ng		98
35) Caprolactam	11.498	113	25608	4.718	ng		91
36) 4-Chloro-3-methylphenol	11.869	107	75972	4.583	ng		99
37) 2-Methylnaphthalene	12.239	142	187208	4.718	ng		99
38) 1-Methylnaphthalene	12.457	142	186332	4.820	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	111415	4.745	ng		99
41) Hexachlorocyclopentadiene	12.592	237	35937	4.368	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	69935	4.681	ng		97
44) 2,4,5-Trichlorophenol	12.927	196	78011	4.805	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.257	154	243448	4.880	ng		99
47) 2-Chloronaphthalene	13.292	162	191299	4.879	ng		98
48) 2-Nitroaniline	13.498	65	38874	4.285	ng		94
49) Acenaphthylene	14.145	152	272990	4.779	ng		99
50) Dimethylphthalate	13.874	163	229200	4.841	ng		99
51) 2,6-Dinitrotoluene	13.992	165	41712	4.205	ng		93
52) Acenaphthene	14.486	154	172362	4.744	ng		100
53) 3-Nitroaniline	14.321	138	39627	4.133	ng	#	99
55) Dibenzofuran	14.821	168	291515	4.800	ng		99
56) 4-Nitrophenol	14.639	139	32685	3.826	ng		95
57) 2,4-Dinitrotoluene	14.780	165	51881	3.920	ng	#	94
58) Fluorene	15.468	166	227189	4.706	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	70065	4.924	ng		98
60) Diethylphthalate	15.239	149	220014	4.846	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	117238	4.529	ng		97
62) 4-Nitroaniline	15.480	138	38105	3.843	ng		95
63) Azobenzene	15.757	77	180758	4.650	ng		98
66) n-Nitrosodiphenylamine	15.674	169	183131	4.686	ng		100
67) 4-Bromophenyl-phenylether	16.356	248	69182	4.564	ng		98
68) Hexachlorobenzene	16.474	284	81189	4.669	ng		95
69) Atrazine	16.627	200	60729	5.993	ng		98
70) Pentachlorophenol	16.821	266	59080	4.615	ng		98
71) Phenanthrene	17.203	178	336674	4.703	ng		100
72) Anthracene	17.298	178	325638	4.616	ng		99
73) Carbazole	17.568	167	301001	4.530	ng		99
74) Di-n-butylphthalate	18.133	149	365358	4.773	ng		100
75) Fluoranthene	19.221	202	387674	4.404	ng		100
77) Benzidine	19.409	184	100183	6.015	ng		97
78) Pyrene	19.586	202	411233	4.753	ng		99
80) Butylbenzylphthalate	20.486	149	157696	4.851	ng		98
81) Benzo(a)anthracene	21.386	228	388113	4.652	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	134300	4.262	ng	#	98
83) Chrysene	21.444	228	370038	4.665	ng		100
84) Bis(2-ethylhexyl)phtha...	21.315	149	237828	5.021	ng		100
85) Di-n-octyl phthalate	22.444	149	405083	4.889	ng		99
87) Indeno(1,2,3-cd)pyrene	27.785	276	468774	4.612	ng	#	93
88) Benzo(b)fluoranthene	23.456	252	389022	4.467	ng		98
89) Benzo(k)fluoranthene	23.521	252	385821	4.571	ng		98
90) Benzo(a)pyrene	24.262	252	344800	4.505	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	384717	4.595	ng		99
92) Benzo(g,h,i)perylene	28.838	276	401539	4.693	ng		99

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

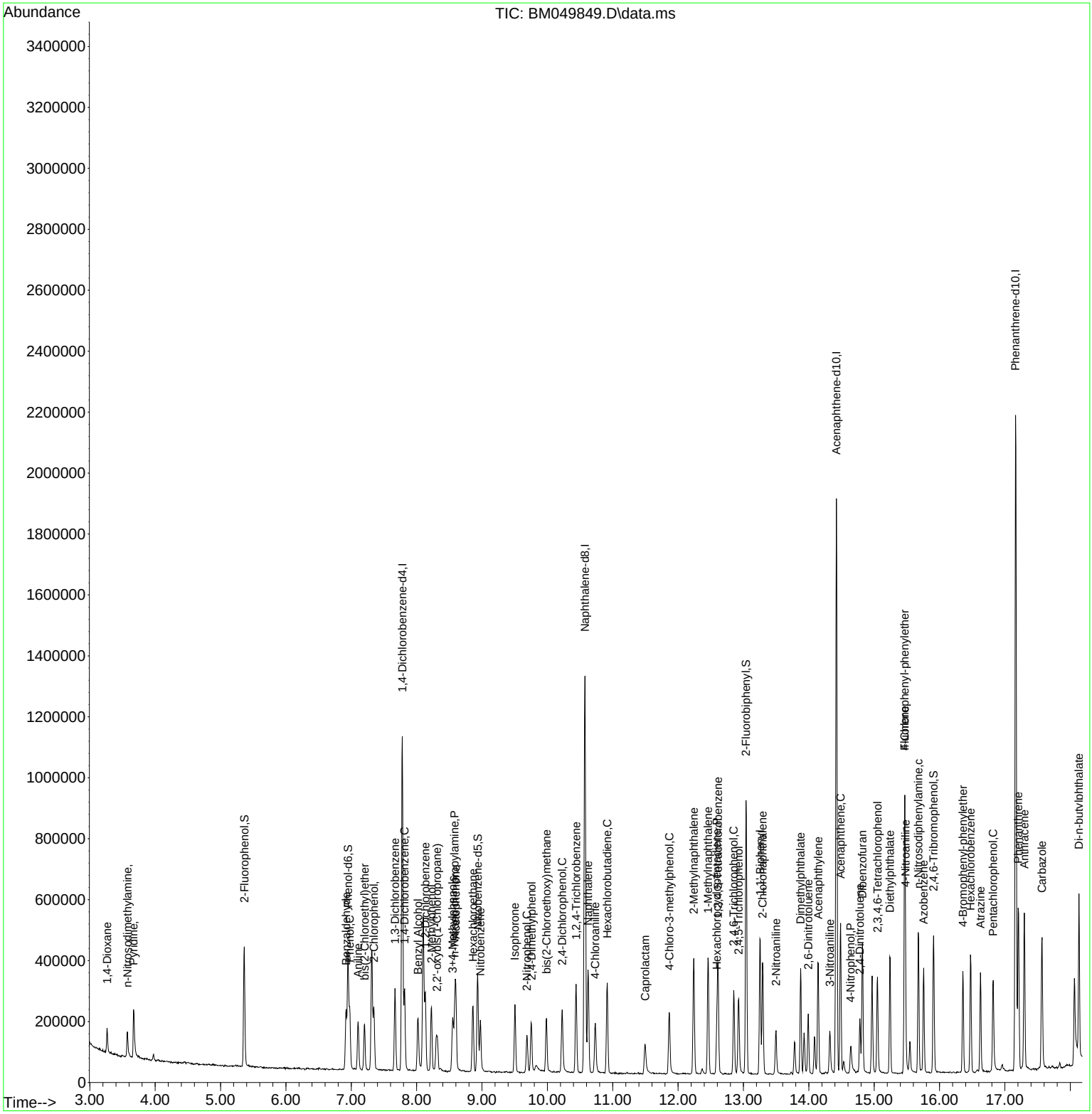
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



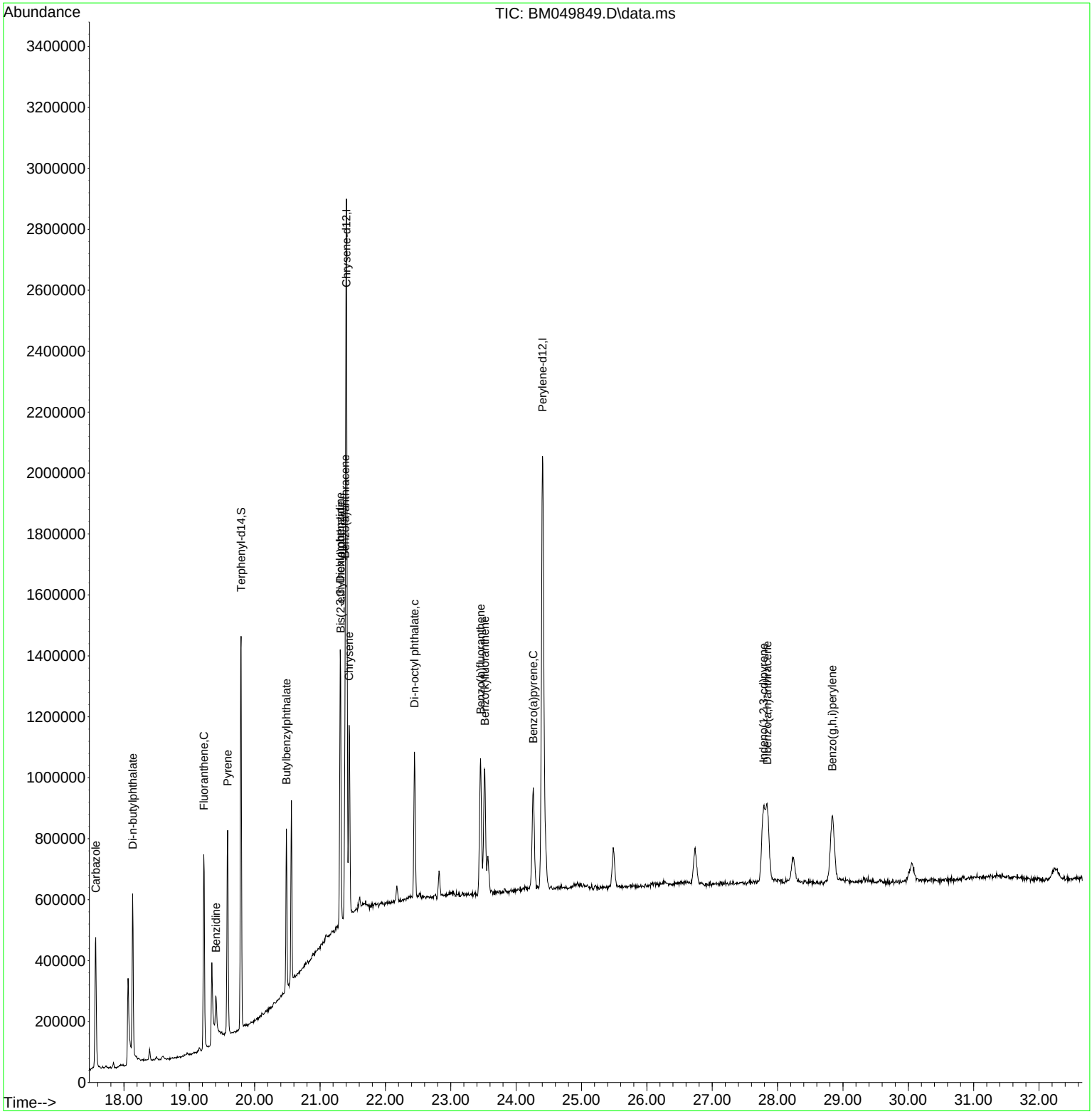
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

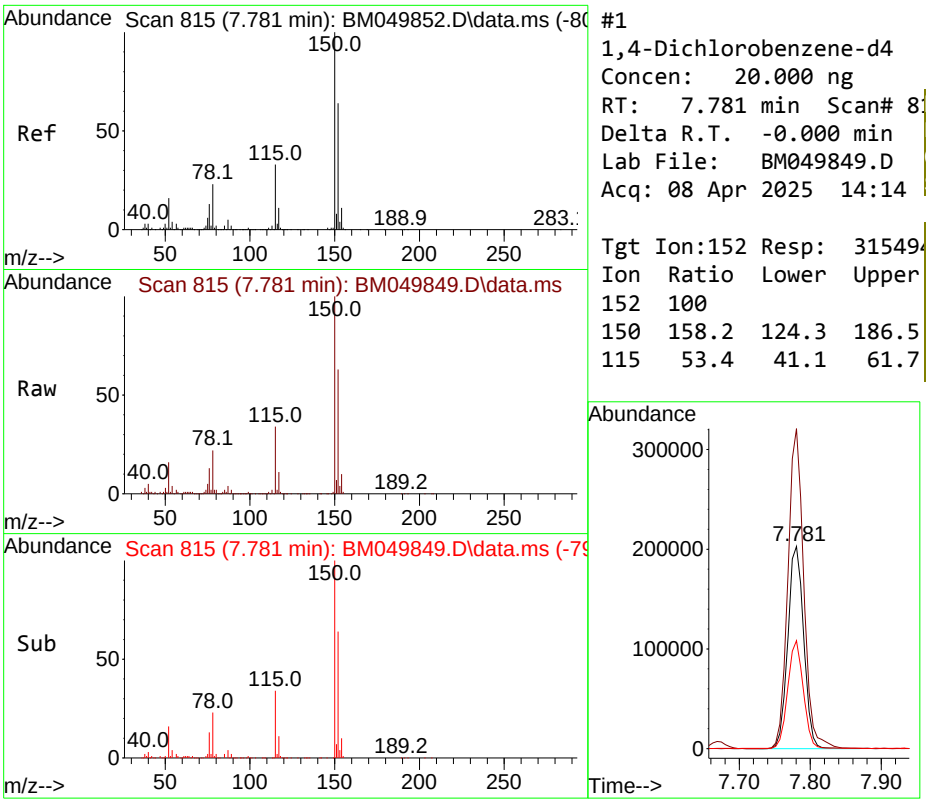
Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

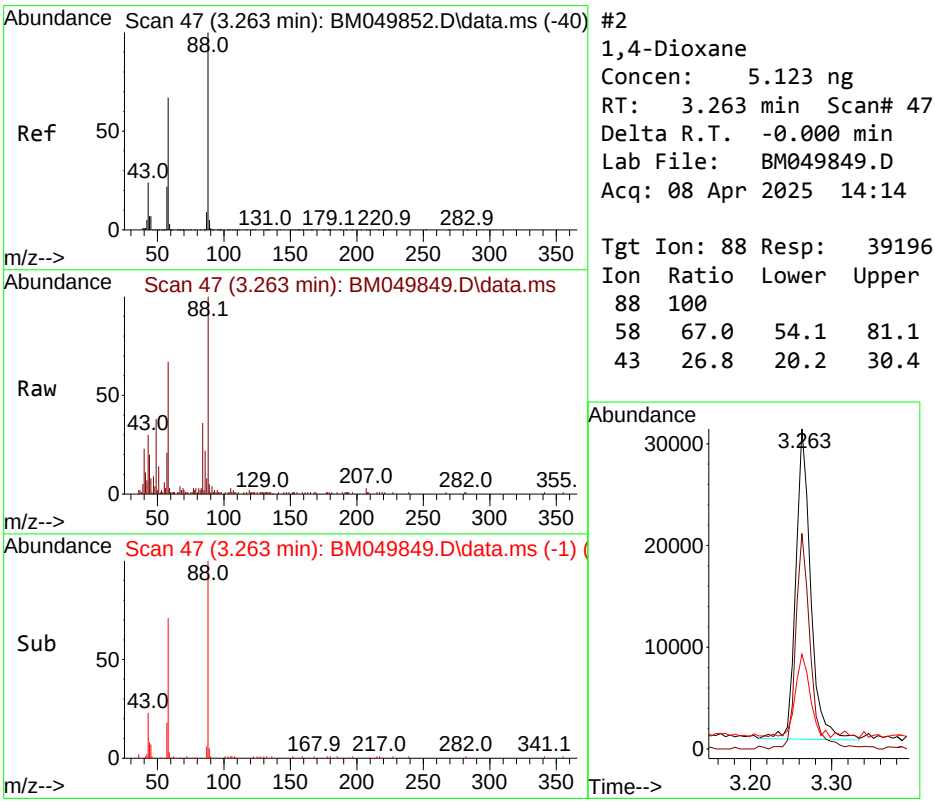
Tgt Ion:152 Resp: 31549

Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	53.4	41.1	61.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

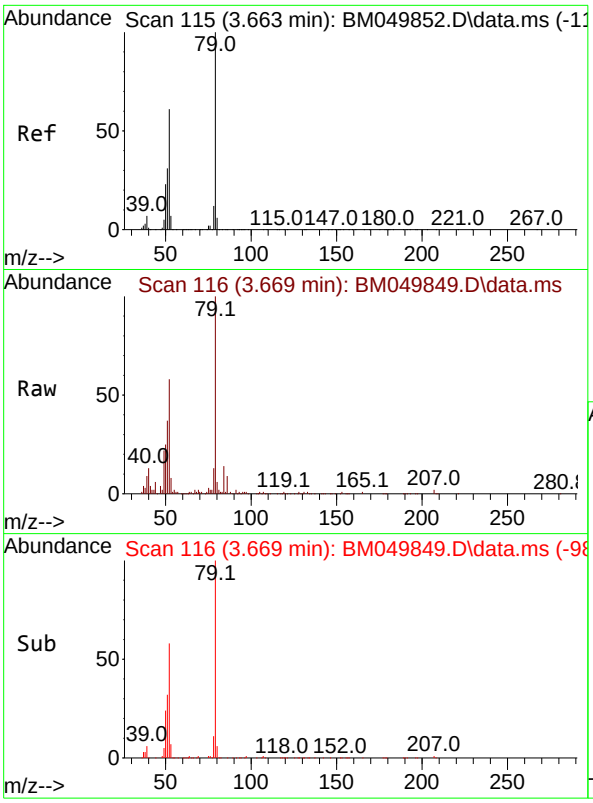
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



#2
1,4-Dioxane
Concen: 5.123 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 88 Resp: 39196

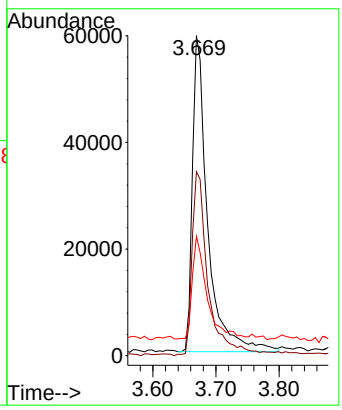
Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.1	81.1
43	26.8	20.2	30.4



#3
Pyridine
Concen: 4.953 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 9953

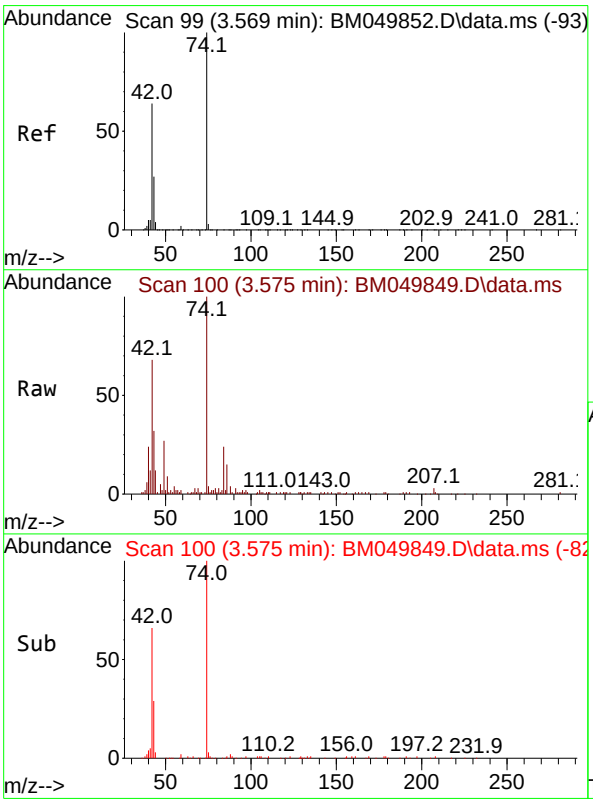
Ion	Ratio	Lower	Upper
79	100		
52	57.5	48.9	73.3
51	37.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

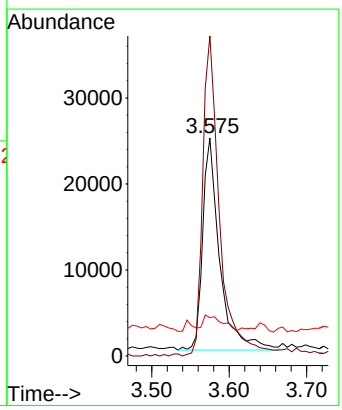
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

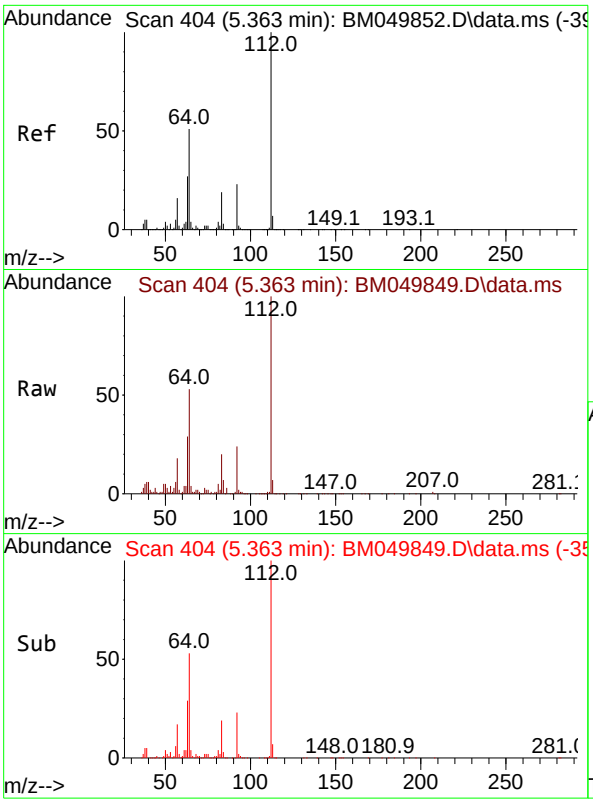


#4
n-Nitrosodimethylamine
Concen: 4.926 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 42 Resp: 37684

Ion	Ratio	Lower	Upper
42	100		
74	146.9	125.4	188.2
44	17.6	5.9	8.9#

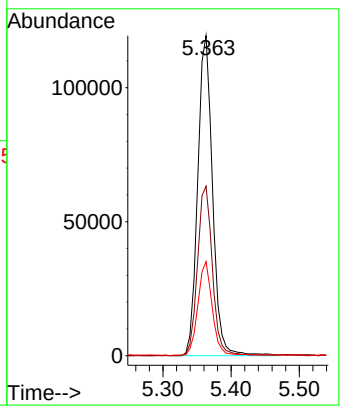




#5
2-Fluorophenol
Concen: 9.723 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:112 Resp: 18065

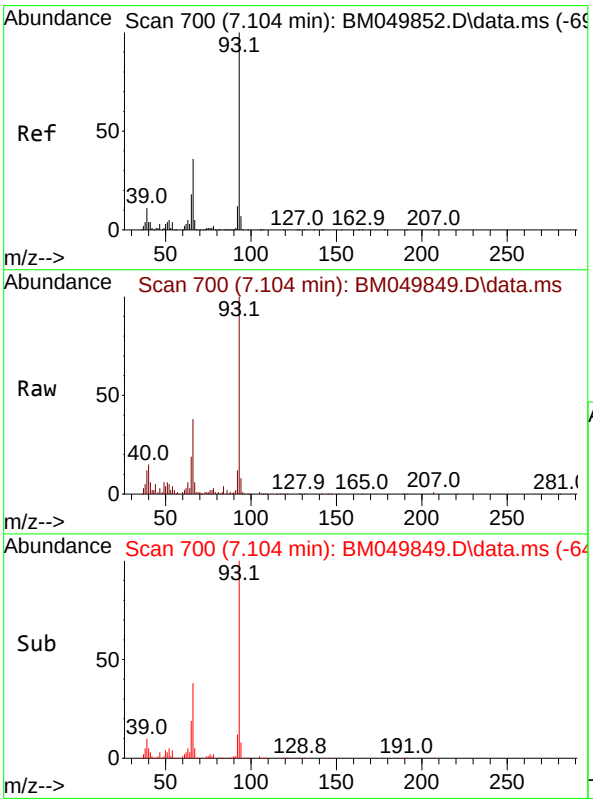
Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.0	61.6
63	29.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

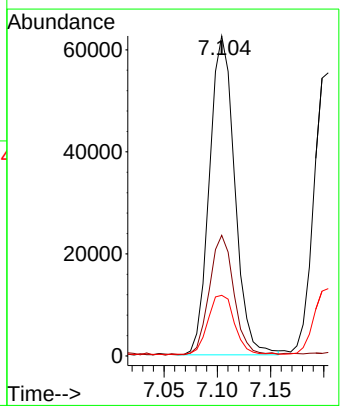
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

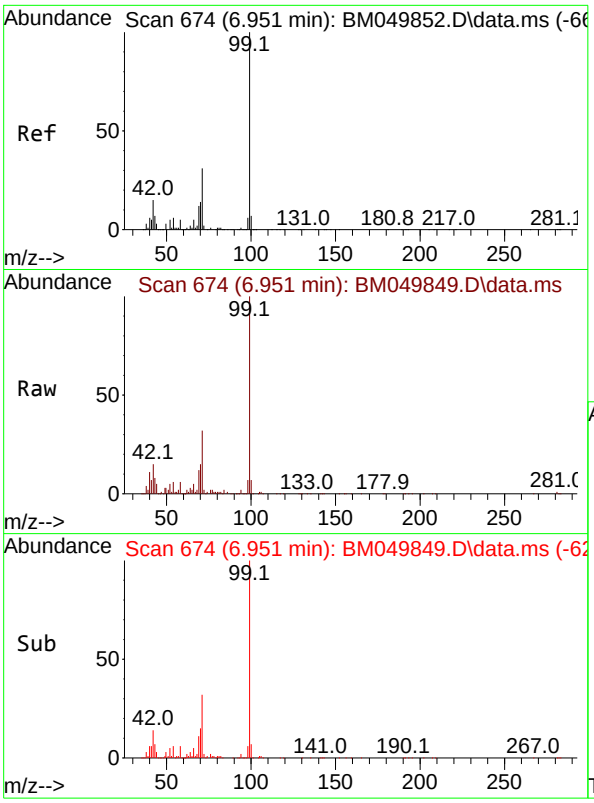


#6
Aniline
Concen: 5.193 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 102863

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	19.0	14.9	22.3

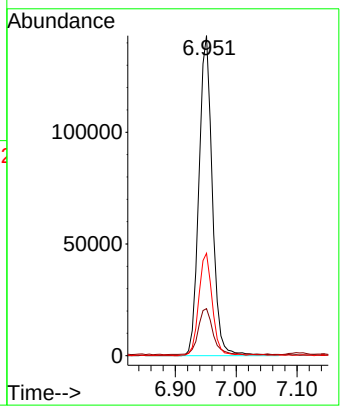




#7
Phenol-d6
Concen: 9.493 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 99 Resp: 21944

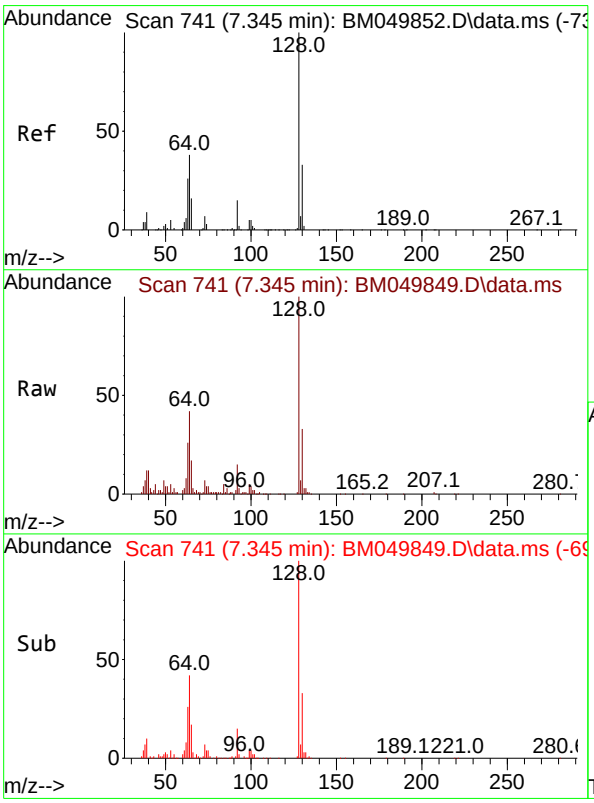
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.1	18.1
71	32.0	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

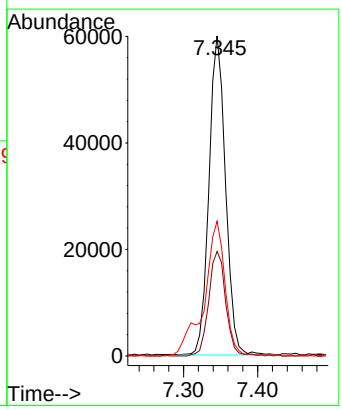
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

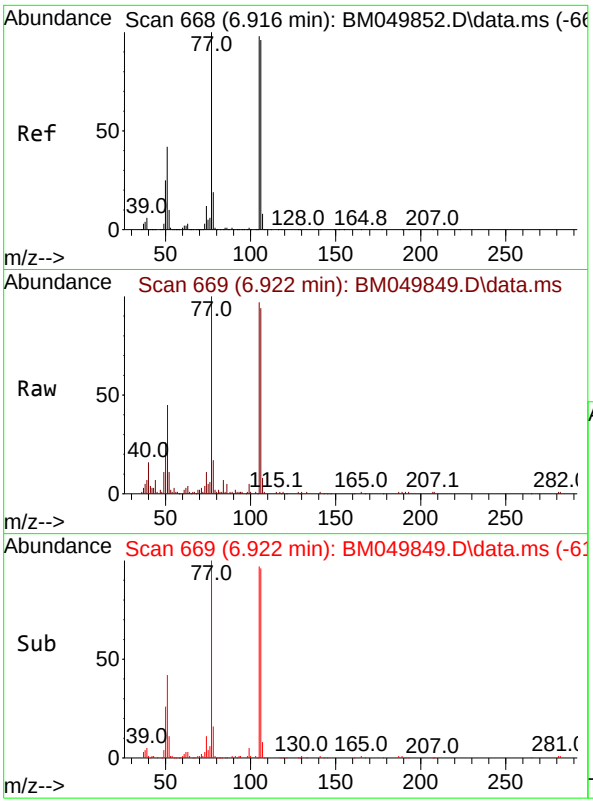


#8
2-Chlorophenol
Concen: 4.887 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 93043

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	42.1	21.1	61.1

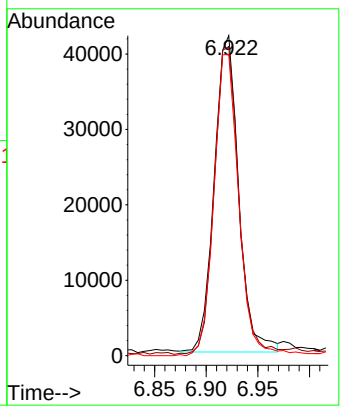




#9
Benzaldehyde
Concen: 5.813 ng m
RT: 6.922 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 6889(

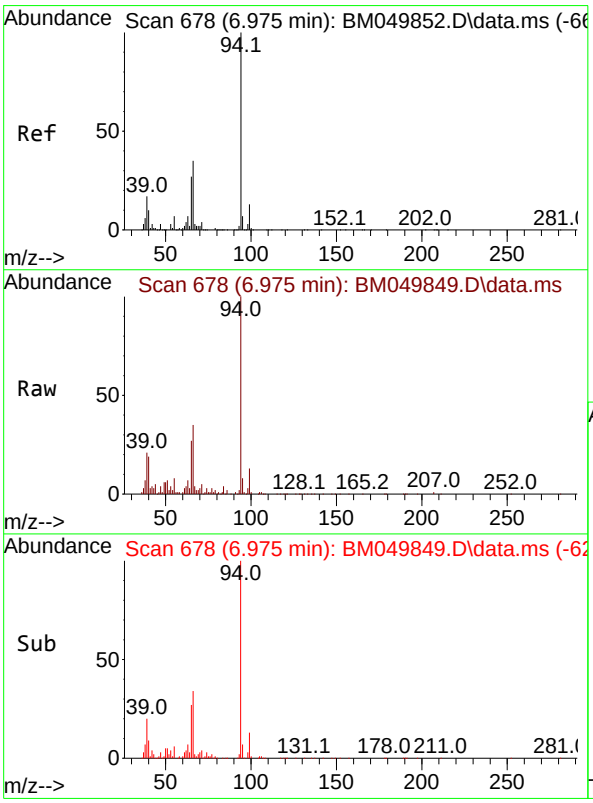
Ion	Ratio	Lower	Upper
77	100		
105	96.6	78.3	118.3
106	94.2	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

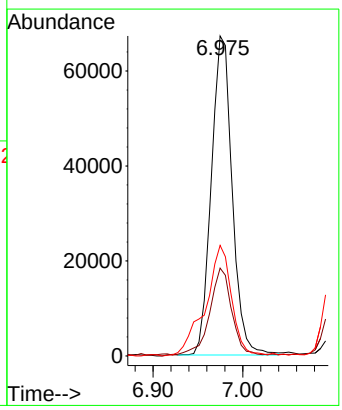
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

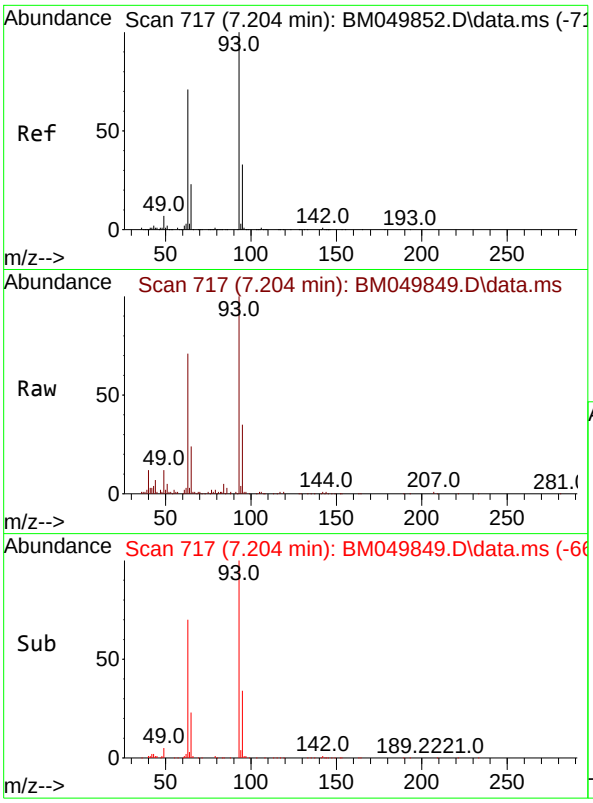


#10
Phenol
Concen: 4.811 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 94 Resp: 108517

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.6	14.8	54.8

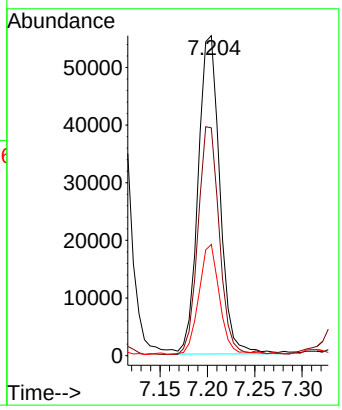




#11
bis(2-Chloroethyl)ether
Concen: 4.964 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 8781

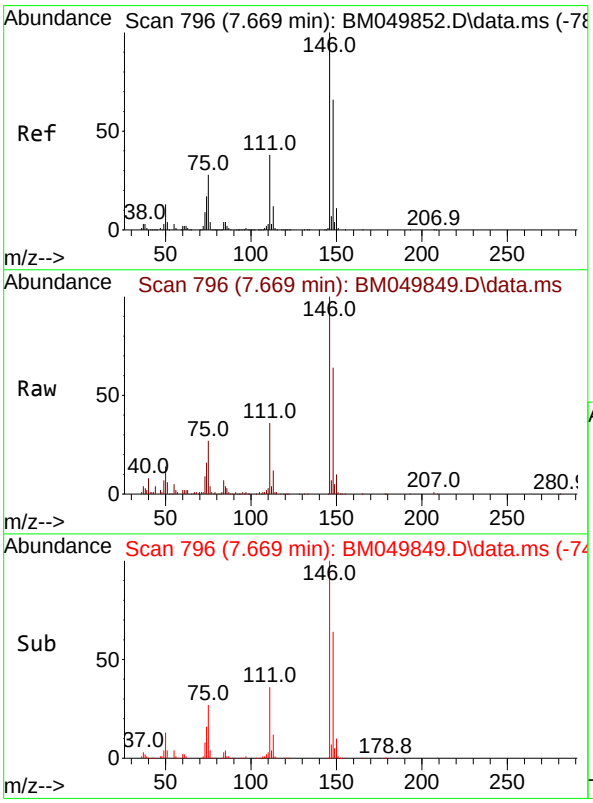
Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	34.8	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

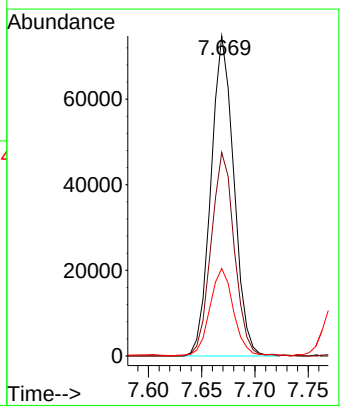
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

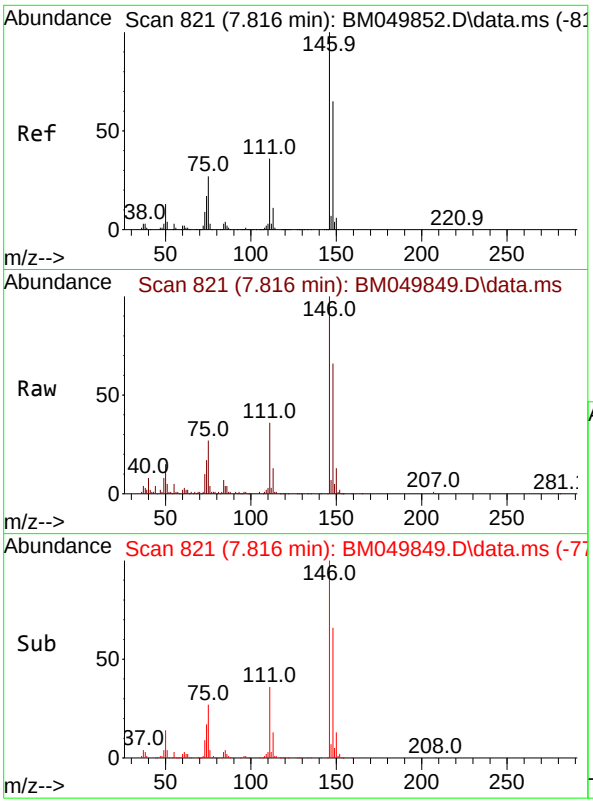


#12
1,3-Dichlorobenzene
Concen: 4.965 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 111770

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.5	78.7
75	27.4	22.5	33.7

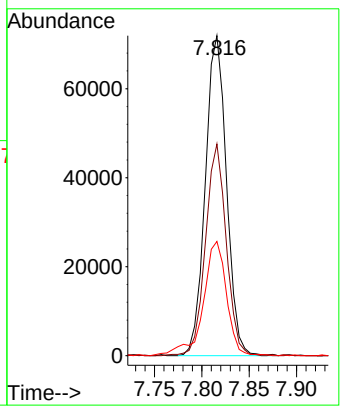




#13
1,4-Dichlorobenzene
Concen: 4.937 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 11183

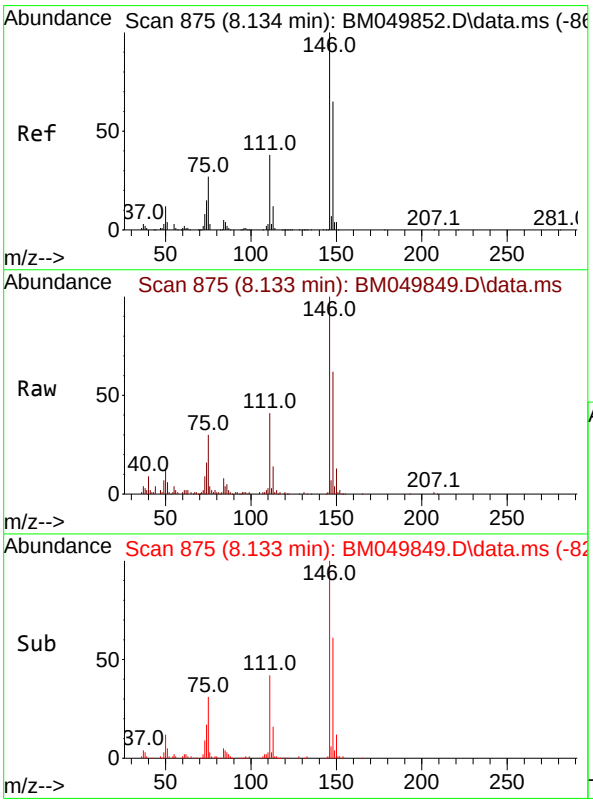
Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	35.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

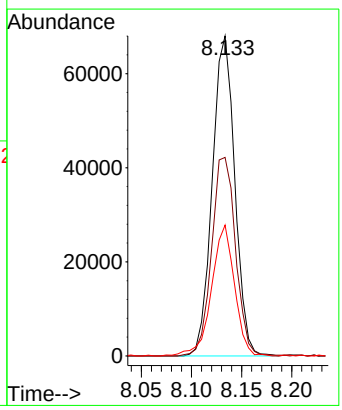
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

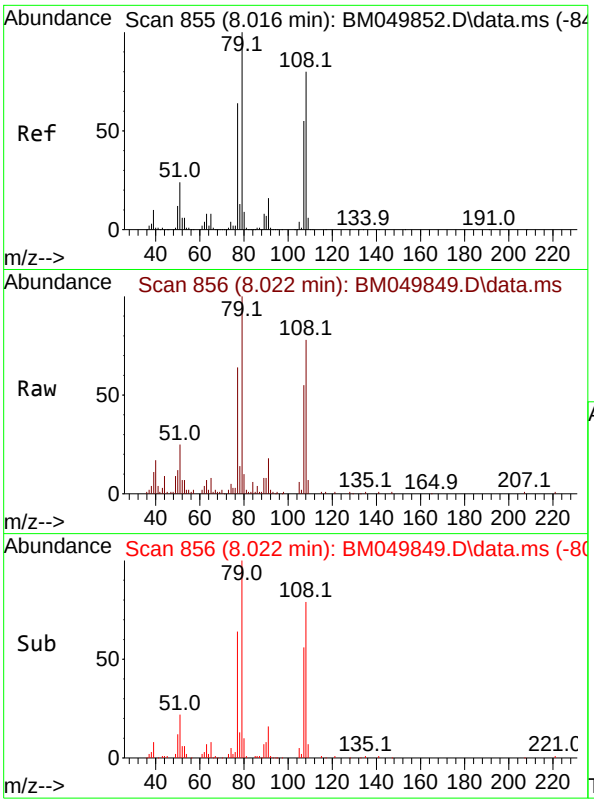


#14
1,2-Dichlorobenzene
Concen: 4.983 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 106307

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.8	77.8
111	40.9	30.2	45.4

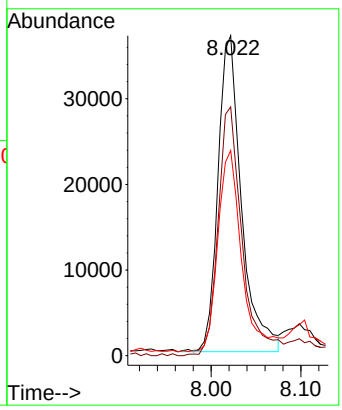




#15
Benzyl Alcohol
Concen: 4.616 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 6719

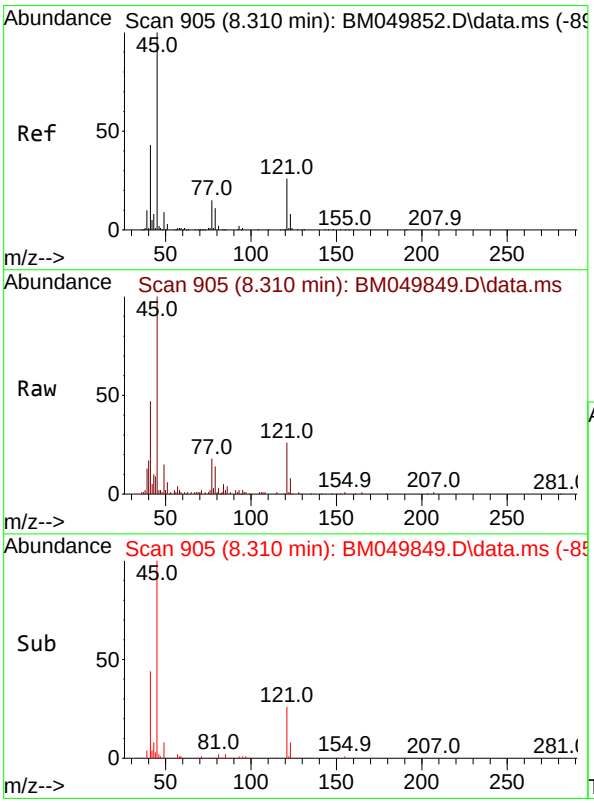
Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.6	95.4
77	64.1	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

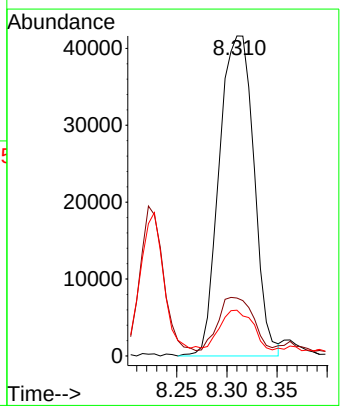
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

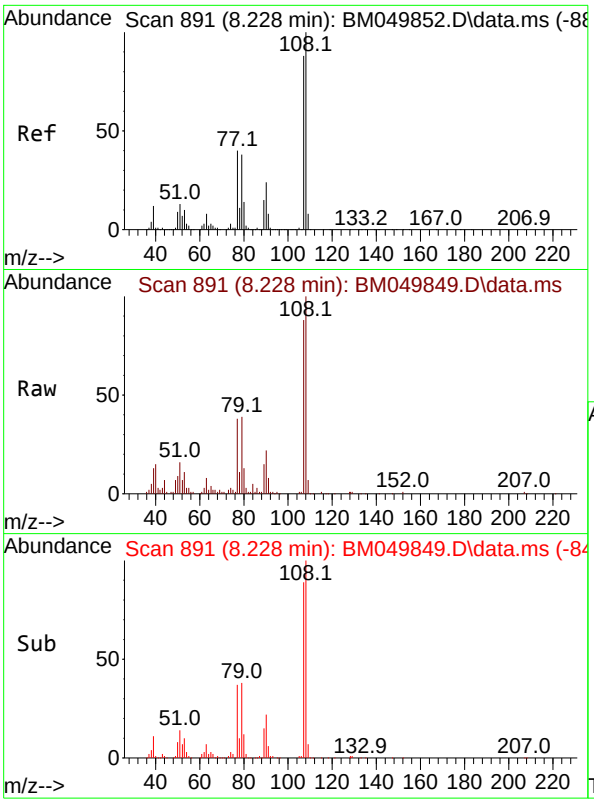


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.073 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 45 Resp: 100016

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	36.9
79	14.3	0.0	32.9

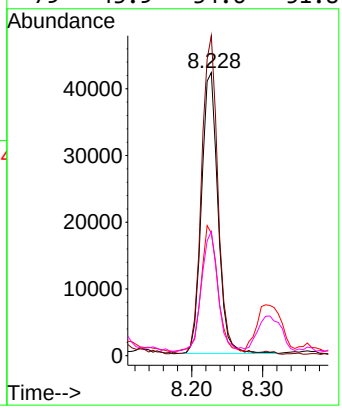




#17
2-Methylphenol
Concen: 4.867 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 6766

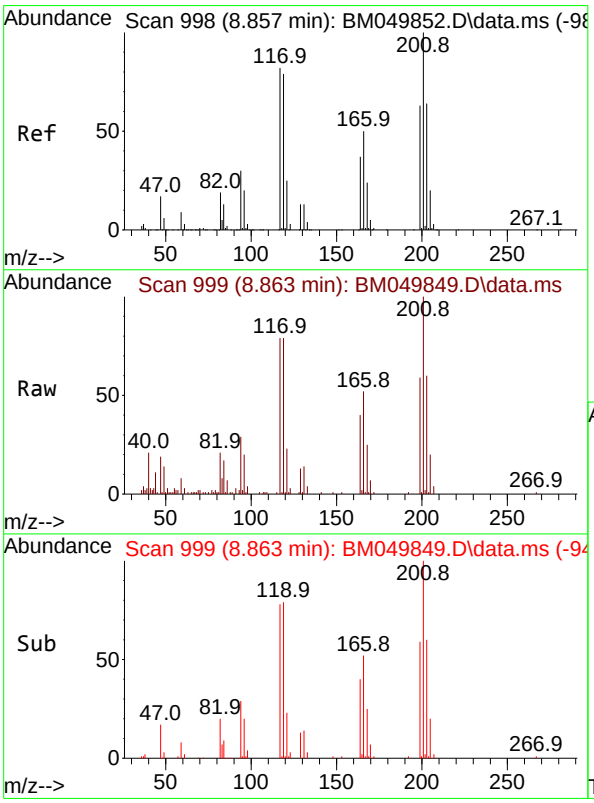
Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.0	136.6
77	43.3	36.5	54.7
79	43.9	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

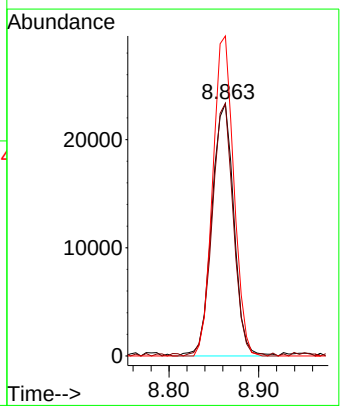
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

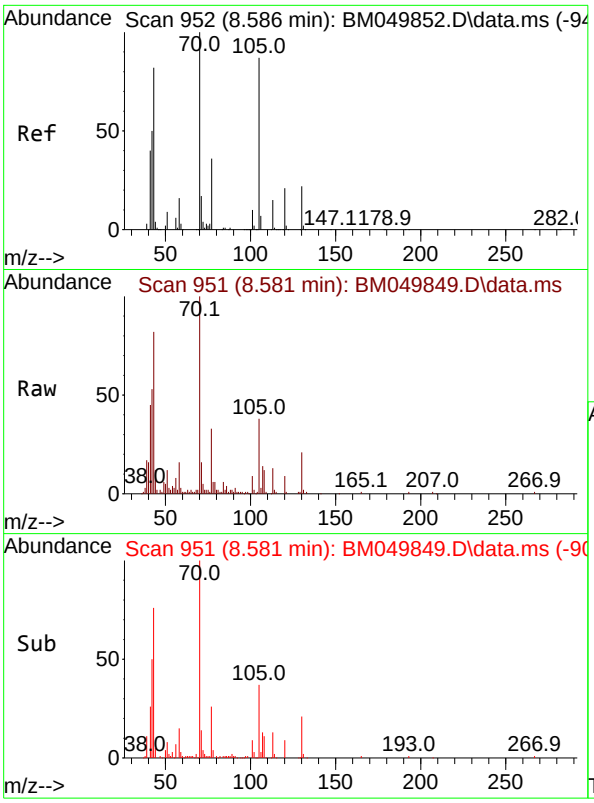


#18
Hexachloroethane
Concen: 5.051 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:117 Resp: 39805

Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.5	116.3
201	126.9	97.7	146.5

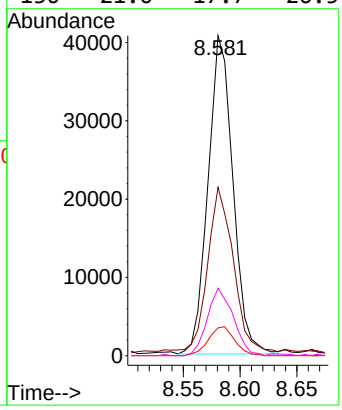




#19
n-Nitroso-di-n-propylamine
Concen: 4.840 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 70 Resp: 6196

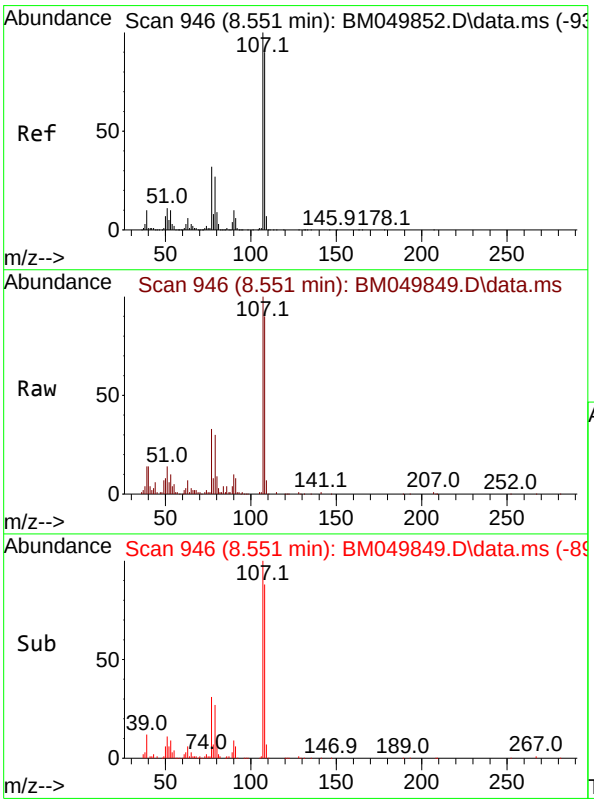
Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	8.7	7.9	11.9
130	21.0	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

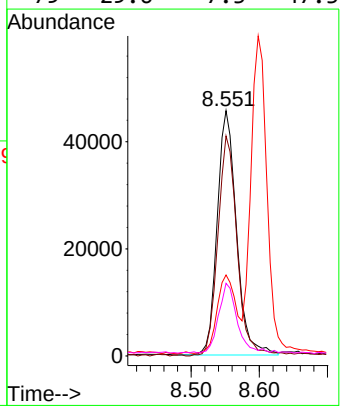
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

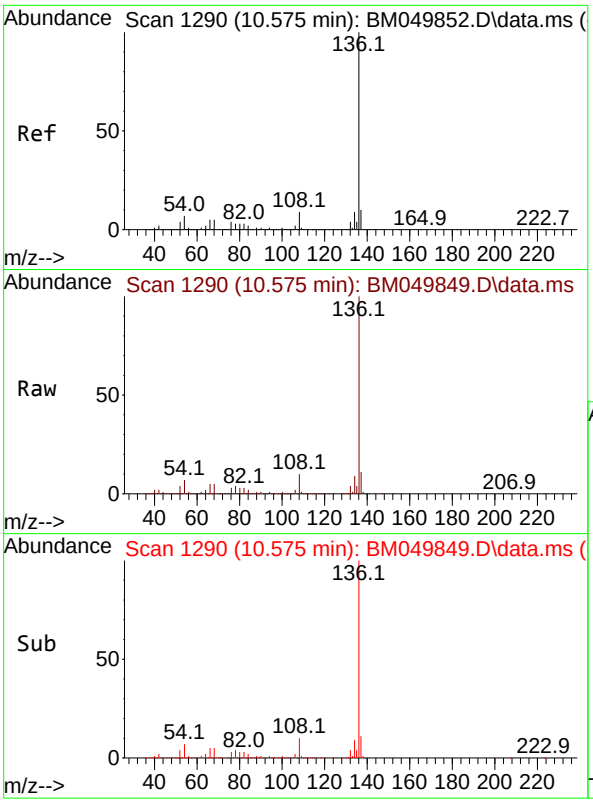


#20
3+4-Methylphenols
Concen: 4.744 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 89903

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	33.0	11.7	51.7
79	29.6	7.3	47.3

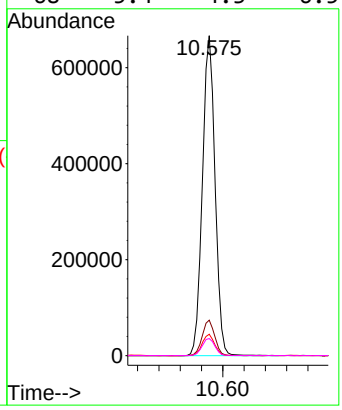




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:136 Resp: 109599

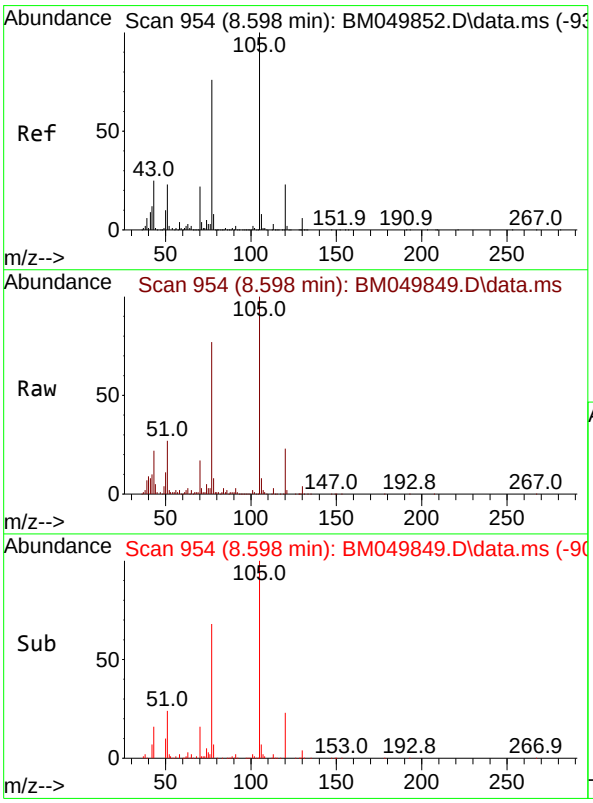
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.4	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

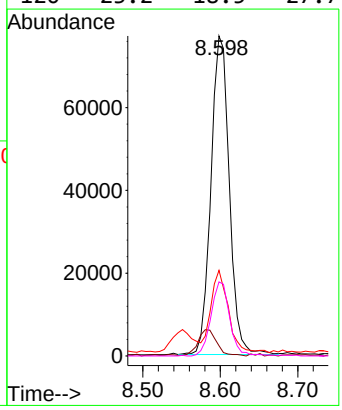
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

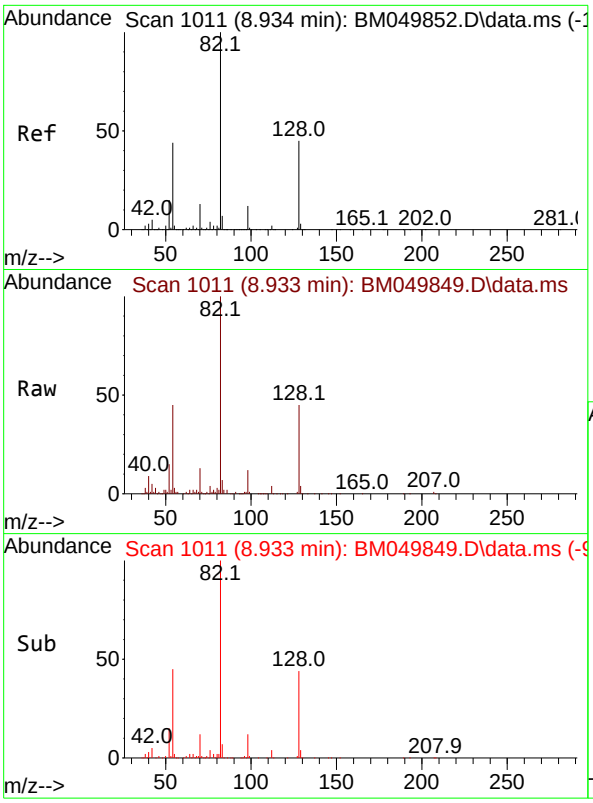


#22
Acetophenone
Concen: 4.760 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:105 Resp: 126780

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	26.7	18.6	27.8
120	23.2	18.5	27.7

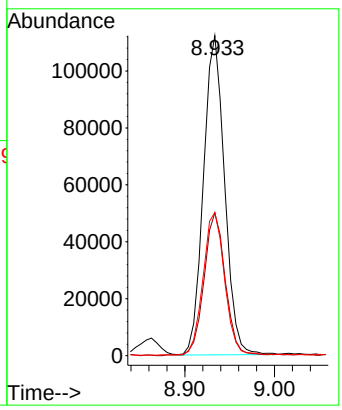




#23
Nitrobenzene-d5
Concen: 9.324 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 18350

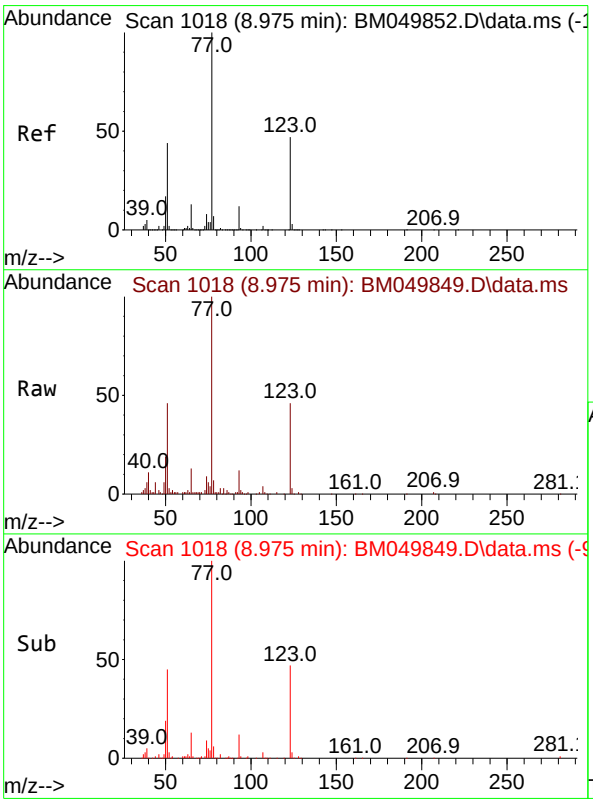
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.2	54.2
54	44.8	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

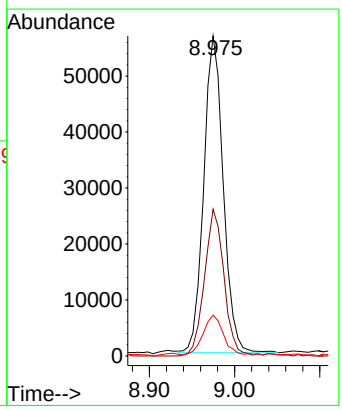
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

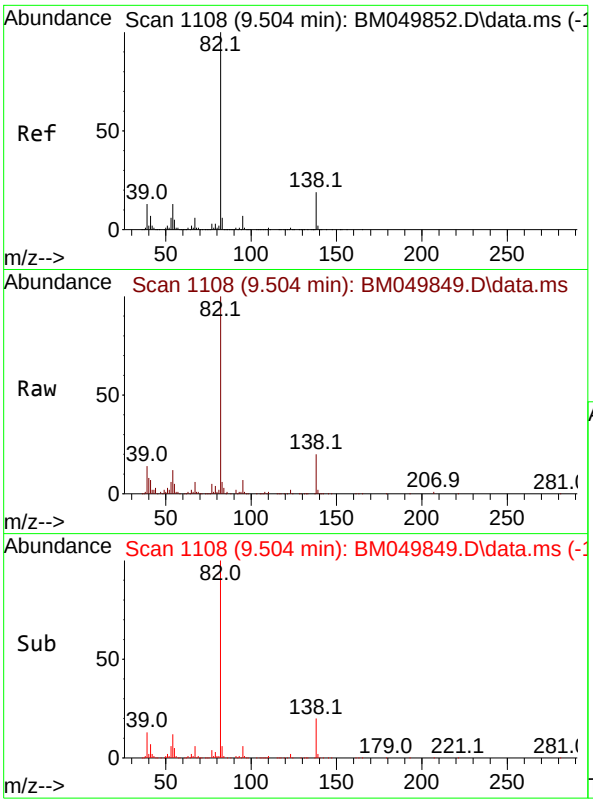


#24
Nitrobenzene
Concen: 4.754 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 90100

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.4	56.2
65	12.7	10.1	15.1

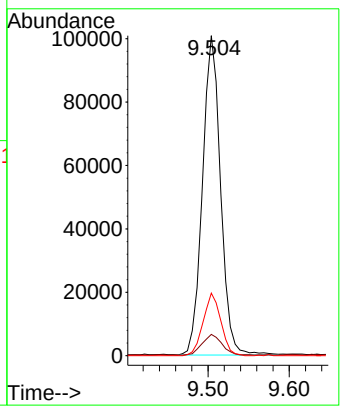




#25
Isophorone
Concen: 4.732 ng
RT: 9.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 15601

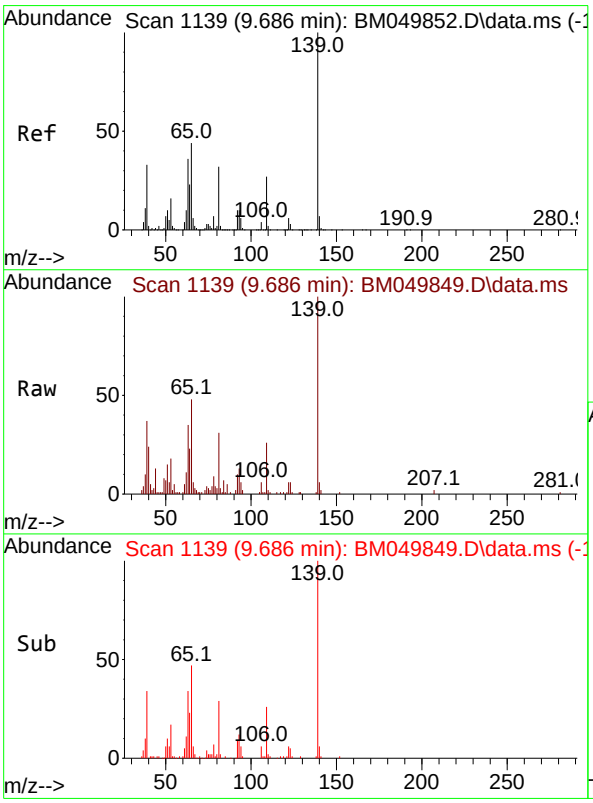
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

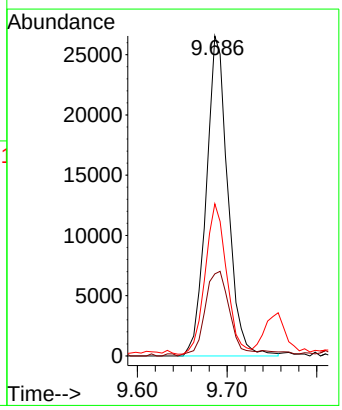
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

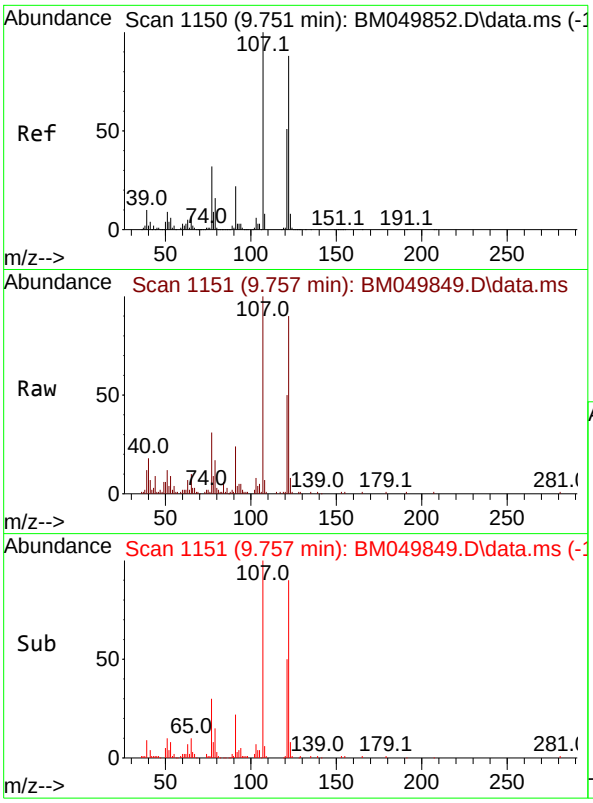


#26
2-Nitrophenol
Concen: 4.417 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 44371

Ion	Ratio	Lower	Upper
139	100		
109	25.7	21.7	32.5
65	47.6	35.2	52.8

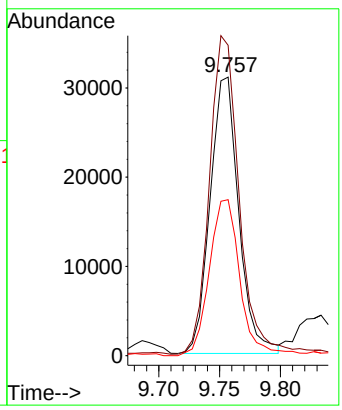




#27
2,4-Dimethylphenol
Concen: 4.457 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:122 Resp: 5073

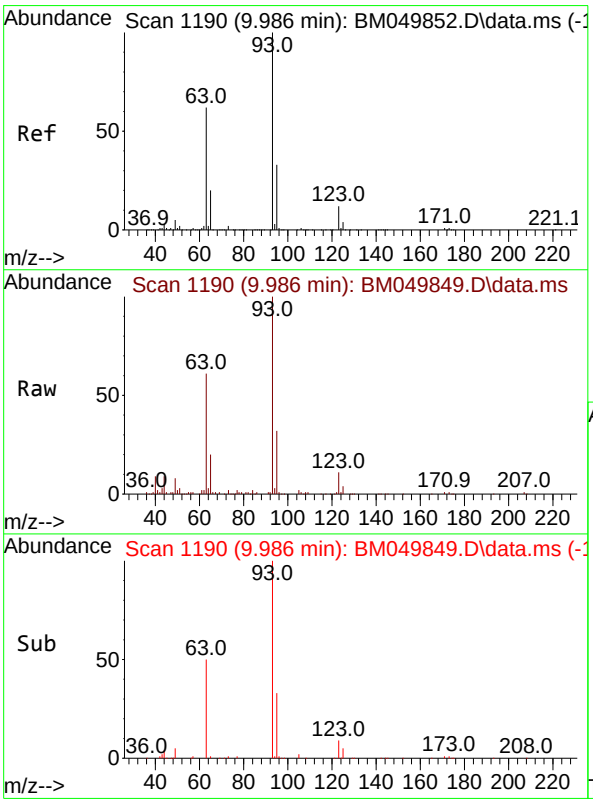
Ion	Ratio	Lower	Upper
122	100		
107	111.4	90.3	135.5
121	56.0	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

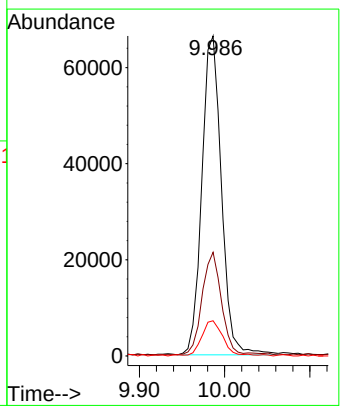
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

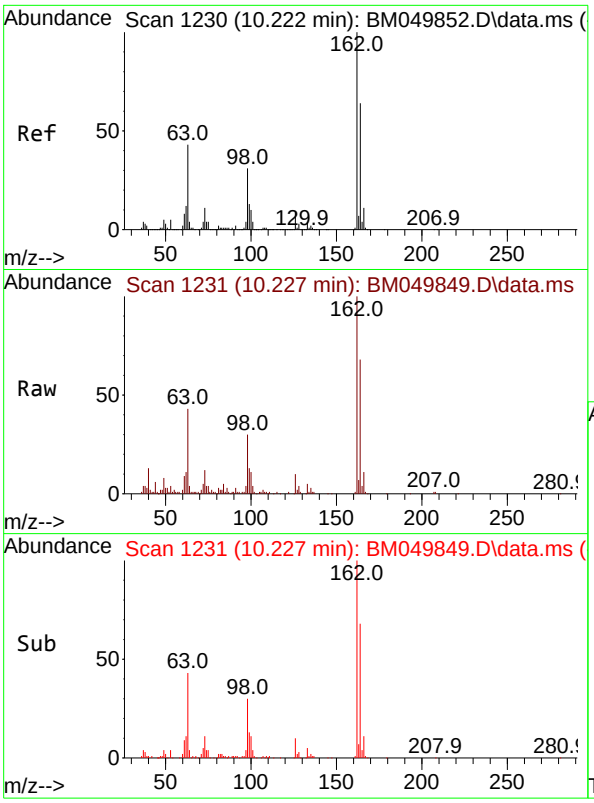


#28
bis(2-Chloroethoxy)methane
Concen: 4.795 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 105841

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.0	9.5	14.3

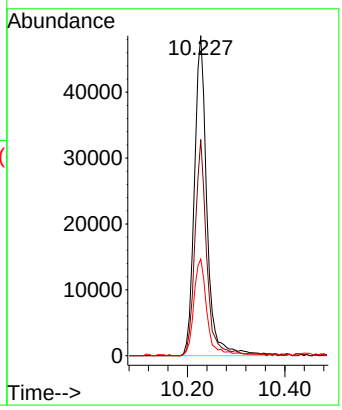




#29
2,4-Dichlorophenol
Concen: 4.621 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 8744

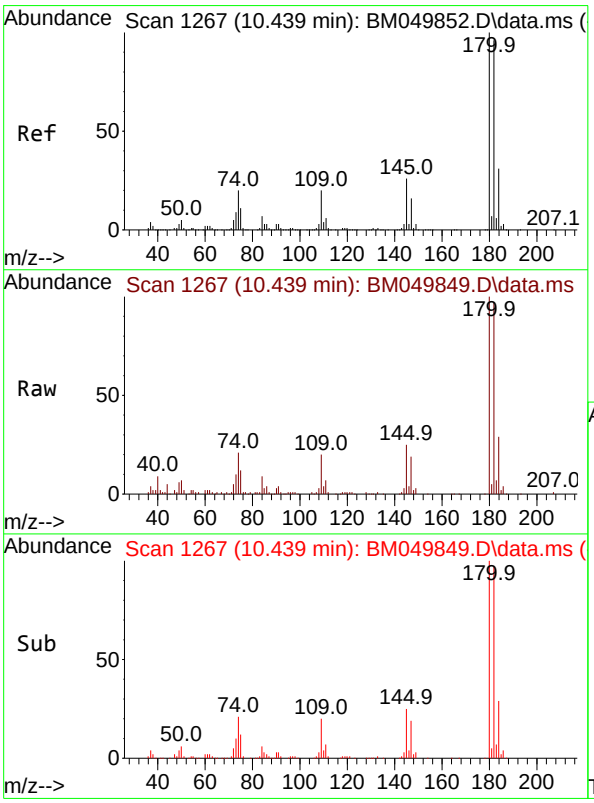
Ion	Ratio	Lower	Upper
162	100		
164	67.5	44.3	84.3
98	30.2	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

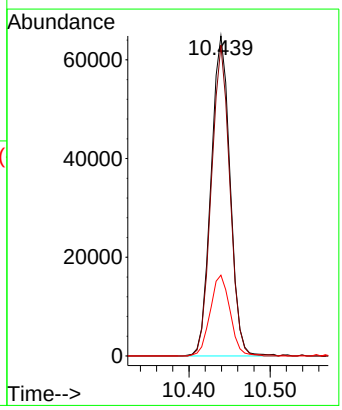
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

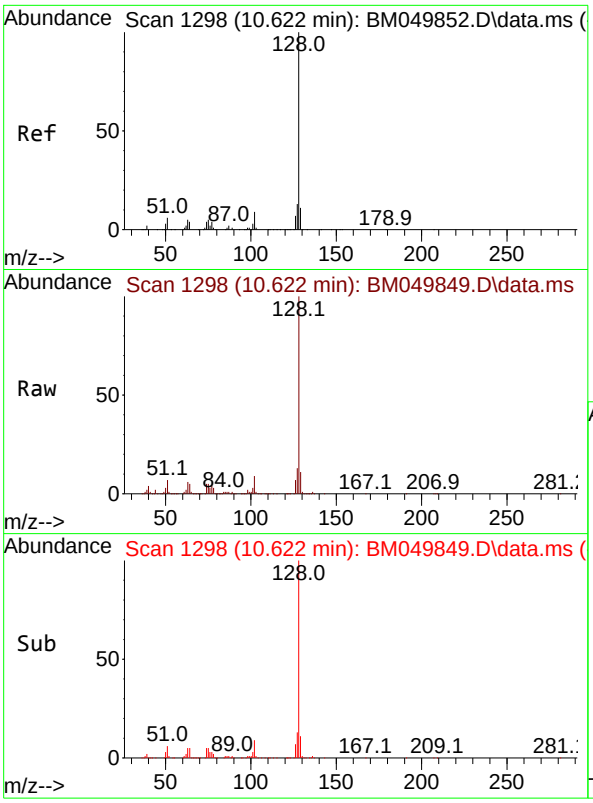


#30
1,2,4-Trichlorobenzene
Concen: 4.830 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:180 Resp: 105742

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.3	20.8	31.2

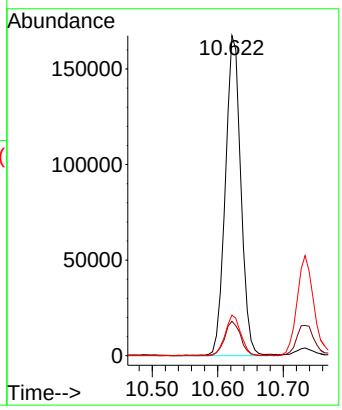




#31
Naphthalene
Concen: 4.883 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 27496

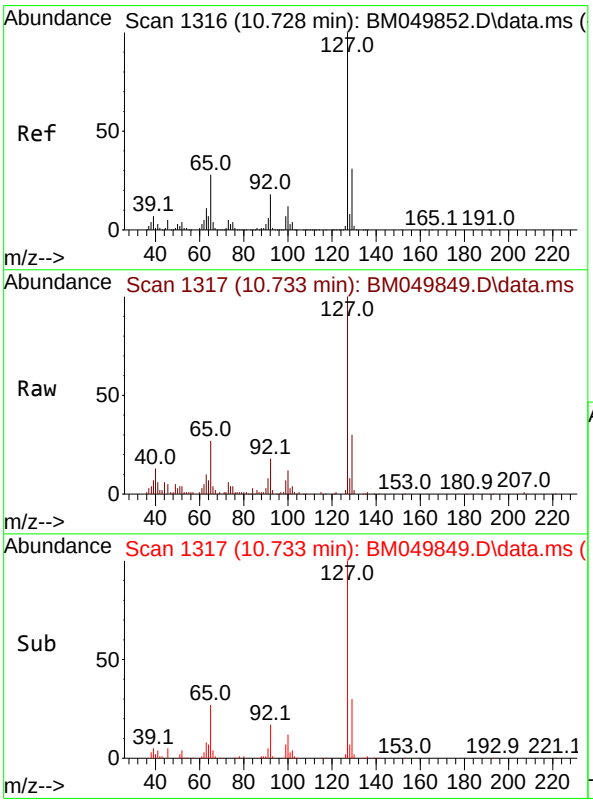
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

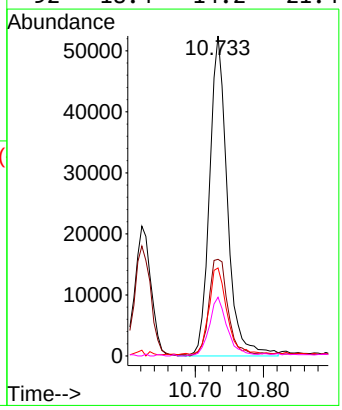
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

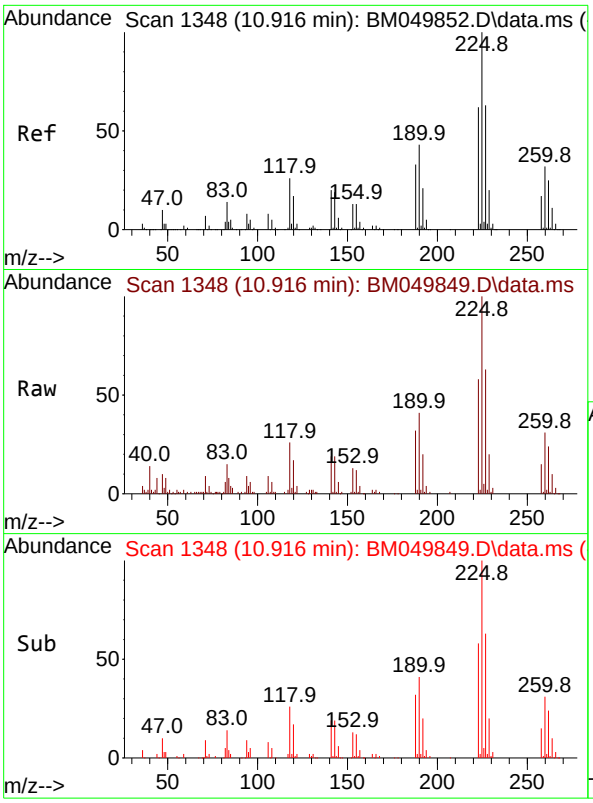


#33
4-Chloroaniline
Concen: 4.793 ng
RT: 10.733 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:127 Resp: 95317

Ion	Ratio	Lower	Upper
127	100		
129	30.2	24.9	37.3
65	27.5	22.4	33.6
92	18.4	14.2	21.4

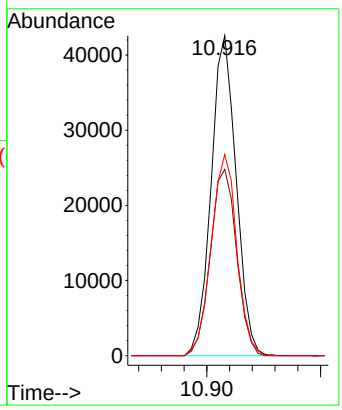




#34
Hexachlorobutadiene
Concen: 4.815 ng
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:225 Resp: 6519

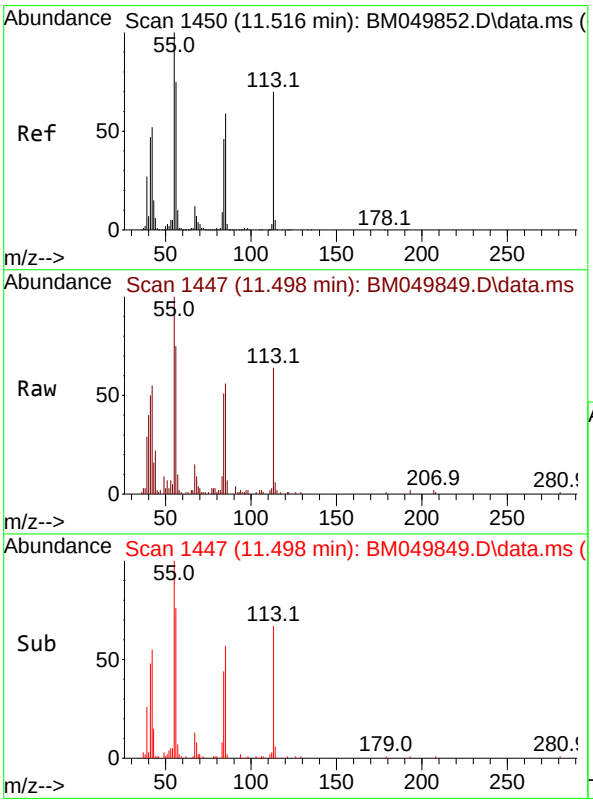
Ion	Ratio	Lower	Upper
225	100		
223	58.2	49.4	74.2
227	62.8	50.1	75.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

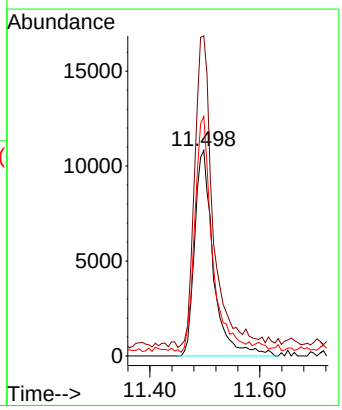
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

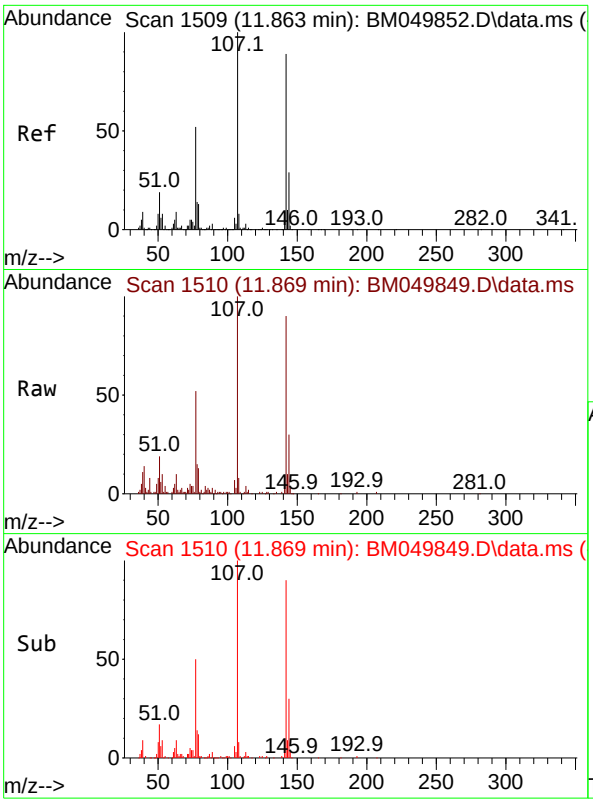


#35
Caprolactam
Concen: 4.718 ng
RT: 11.498 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:113 Resp: 25608

Ion	Ratio	Lower	Upper
113	100		
55	155.8	124.3	164.3
56	116.6	87.5	127.5

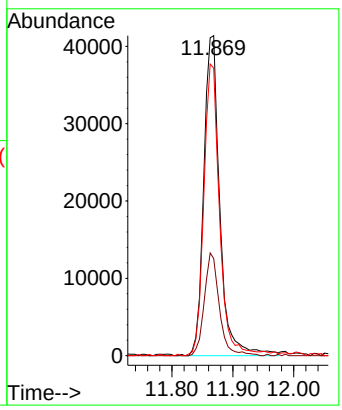




#36
4-Chloro-3-methylphenol
Concen: 4.583 ng
RT: 11.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 7597

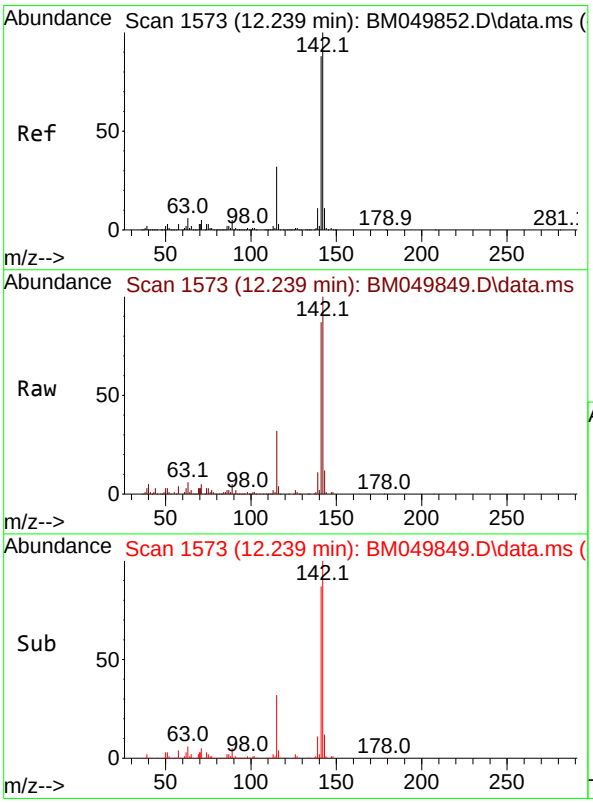
Ion	Ratio	Lower	Upper
107	100		
144	30.4	23.6	35.4
142	89.9	71.4	107.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

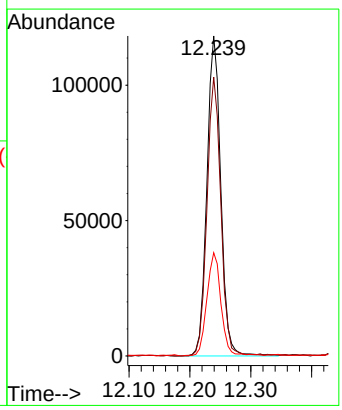
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

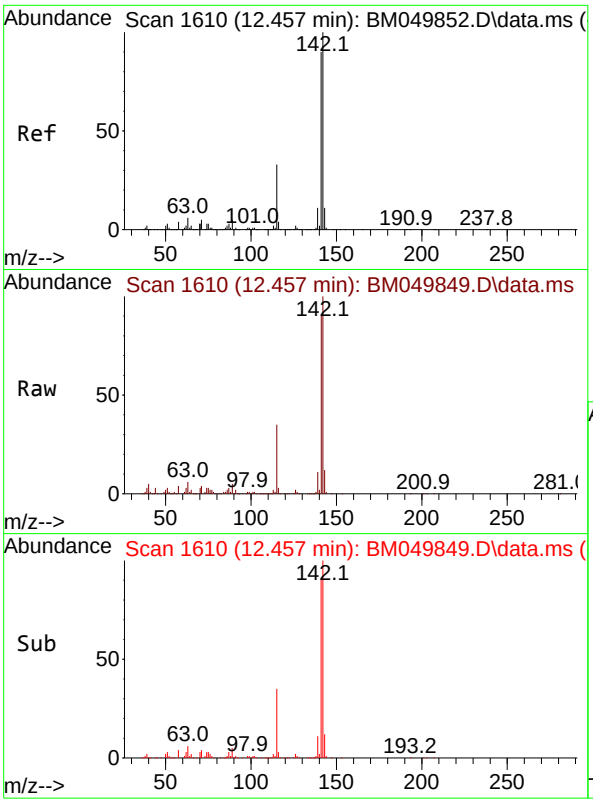


#37
2-Methylnaphthalene
Concen: 4.718 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 187208

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.2	105.2
115	32.2	25.4	38.2

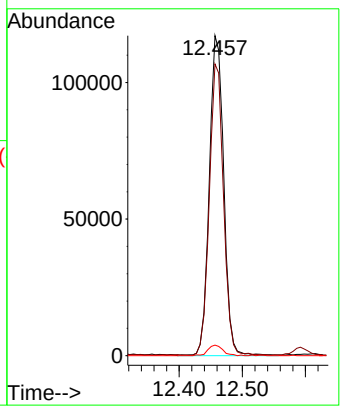




#38
1-Methylnaphthalene
Concen: 4.820 ng
RT: 12.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 18633

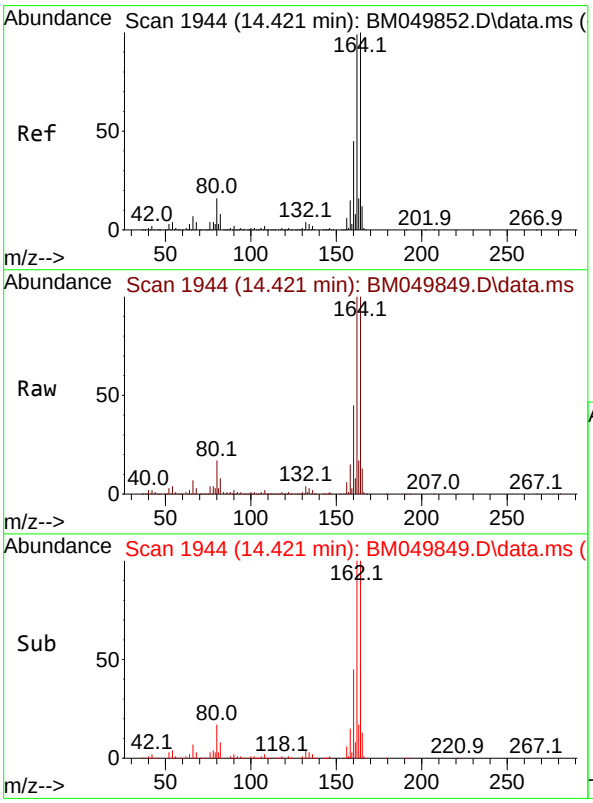
Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.3	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

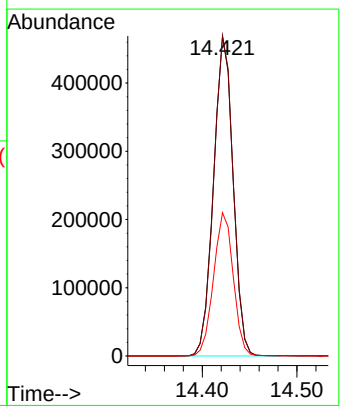
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

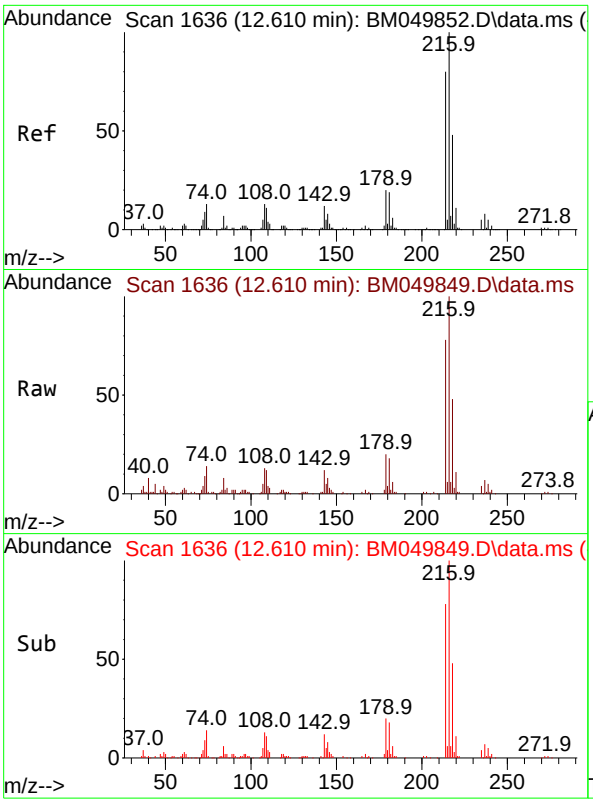


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:164 Resp: 671126

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.8	36.2	54.2

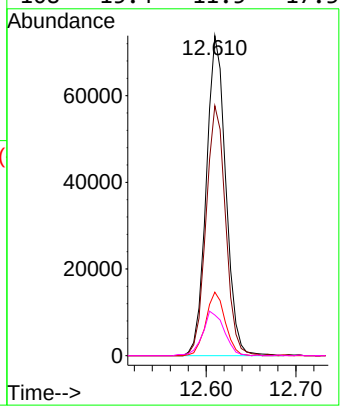




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.745 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:216 Resp: 11141

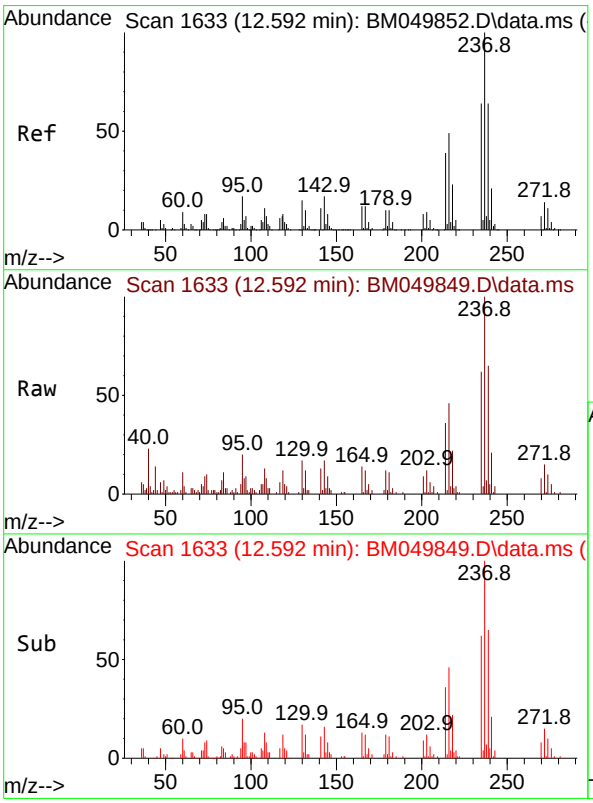
Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	19.8	15.8	23.6
108	15.4	11.5	17.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

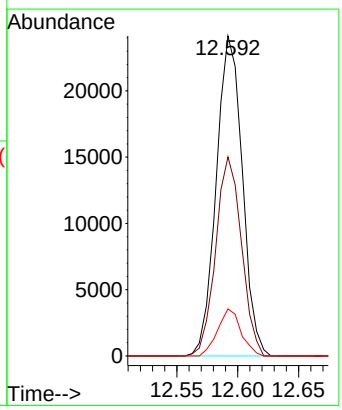
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

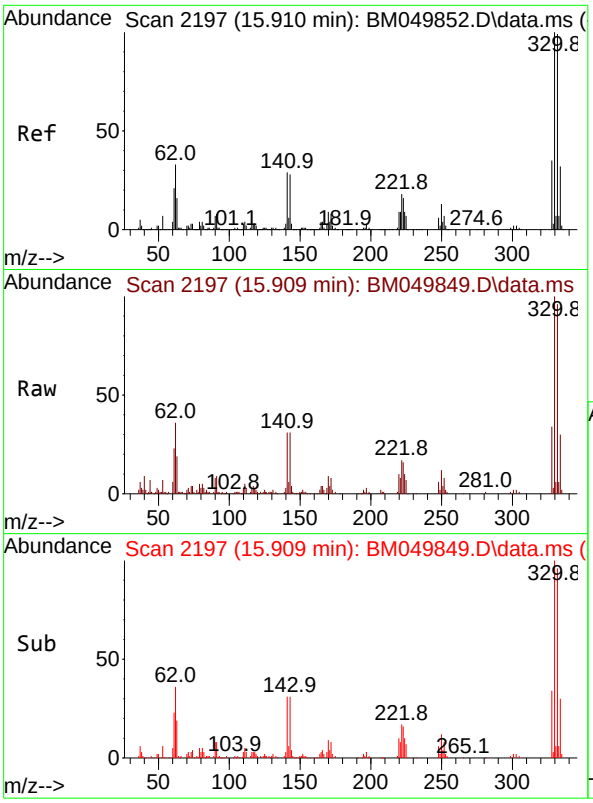


#41
Hexachlorocyclopentadiene
Concen: 4.368 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:237 Resp: 35937

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.7	83.7
272	14.7	0.0	33.5

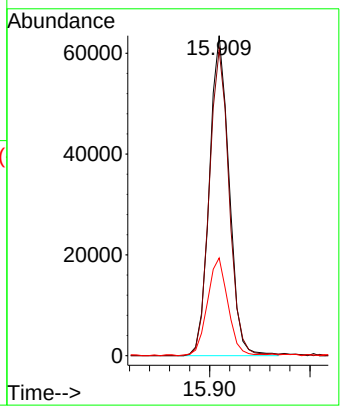




#42
2,4,6-Tribromophenol
Concen: 8.869 ng
RT: 15.909 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:330 Resp: 8657

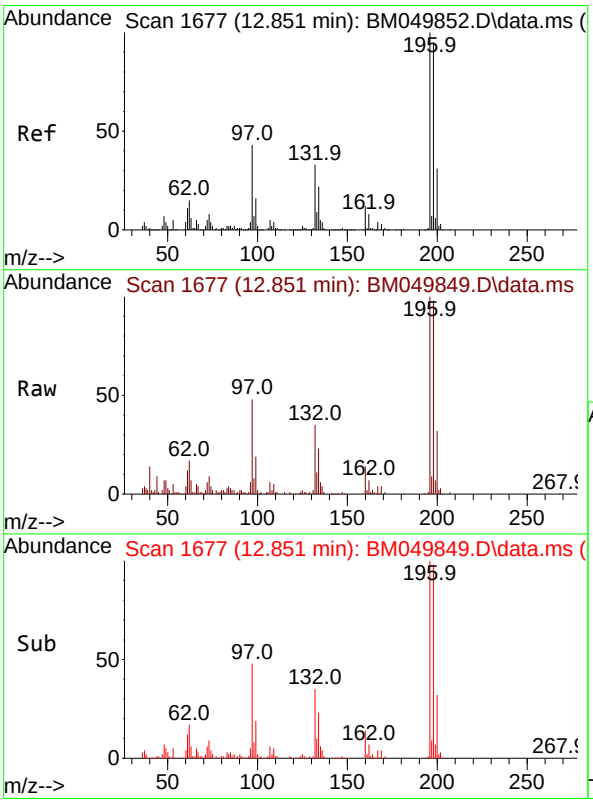
Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	31.9	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

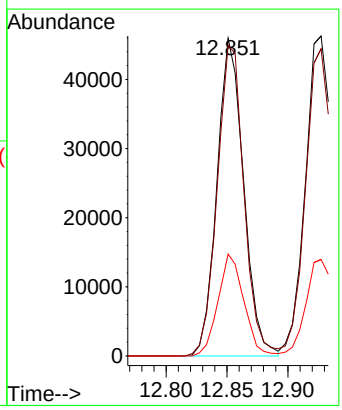
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

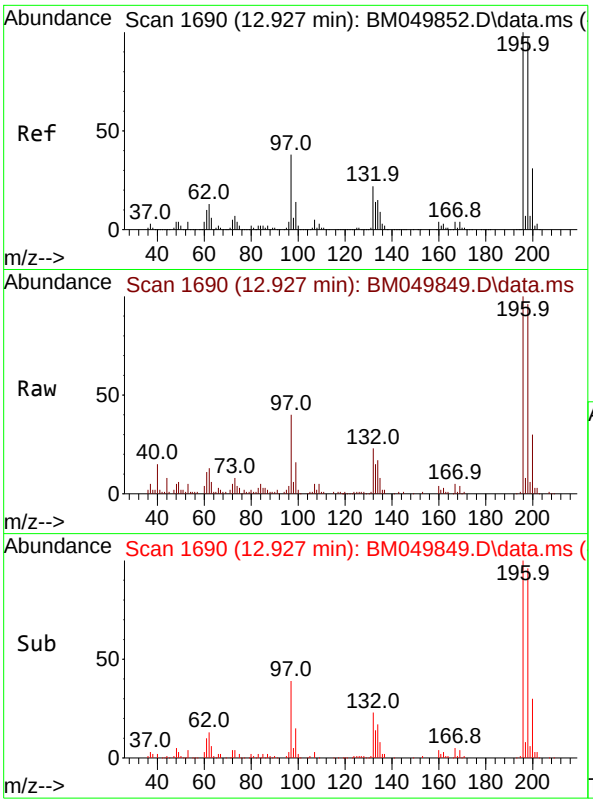


#43
2,4,6-Trichlorophenol
Concen: 4.681 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 69935

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.1	114.1
200	32.1	24.7	37.1

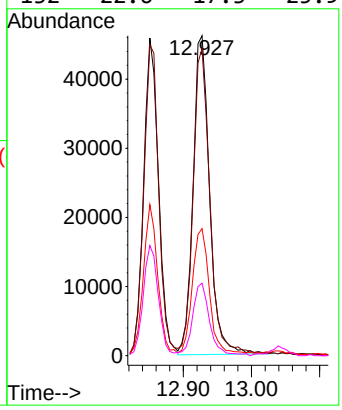




#44
2,4,5-Trichlorophenol
Concen: 4.805 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 7801

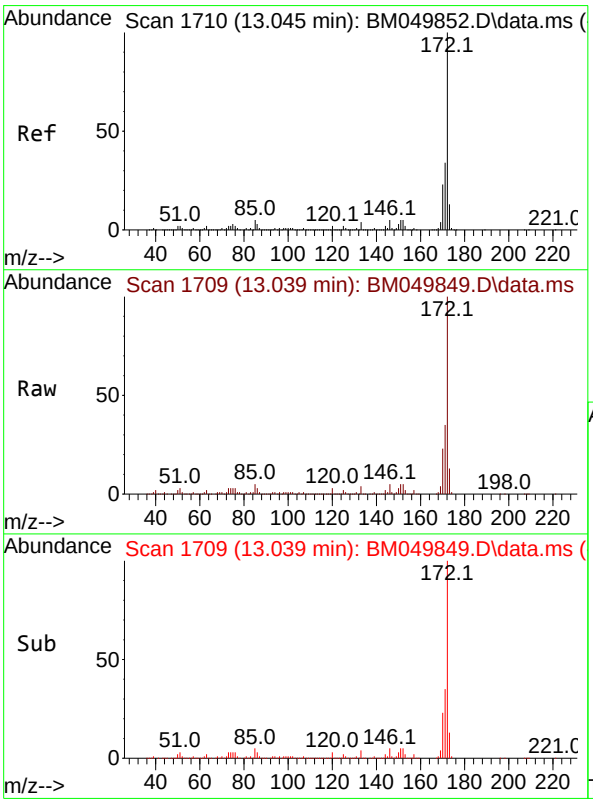
Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.7	116.5
97	39.7	30.3	45.5
132	22.6	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

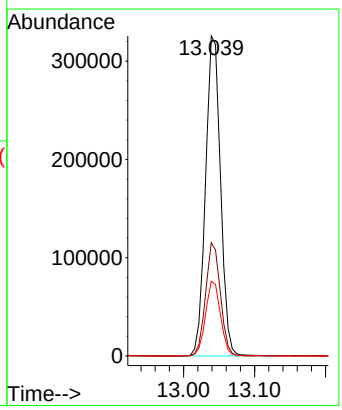
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

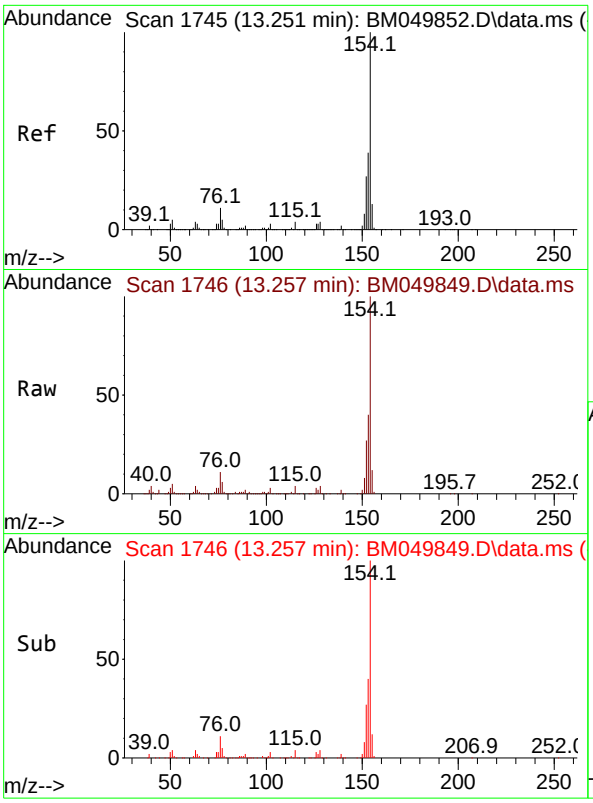


#45
2-Fluorobiphenyl
Concen: 9.661 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:172 Resp: 478149

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.4	41.2
170	23.4	18.6	28.0

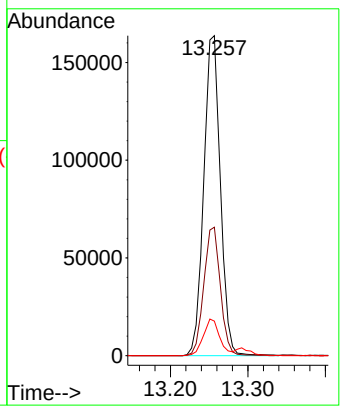




#46
1,1'-Biphenyl
Concen: 4.880 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 24344

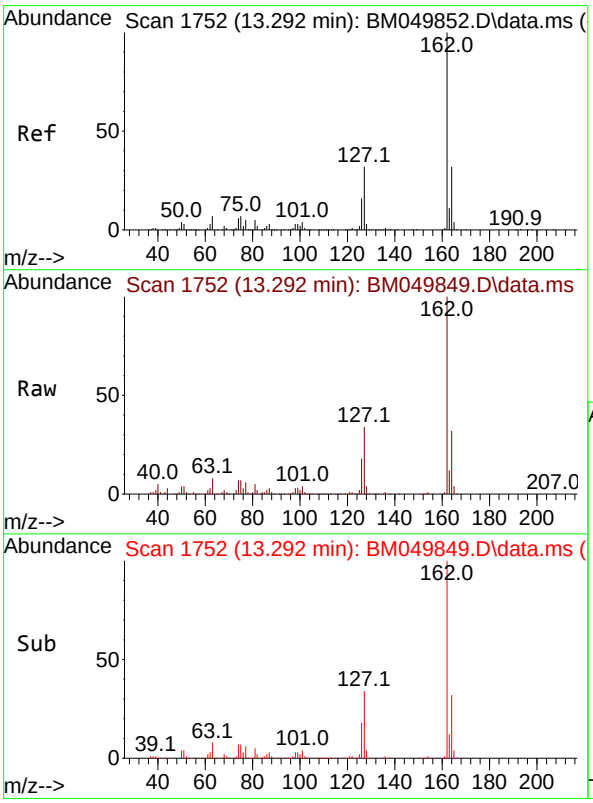
Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	10.8	0.0	30.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

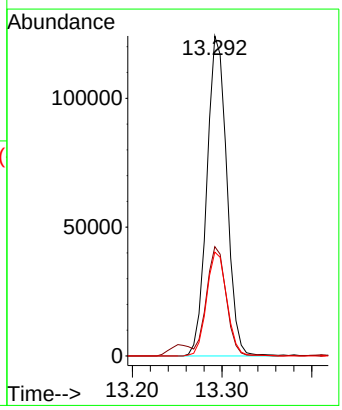
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

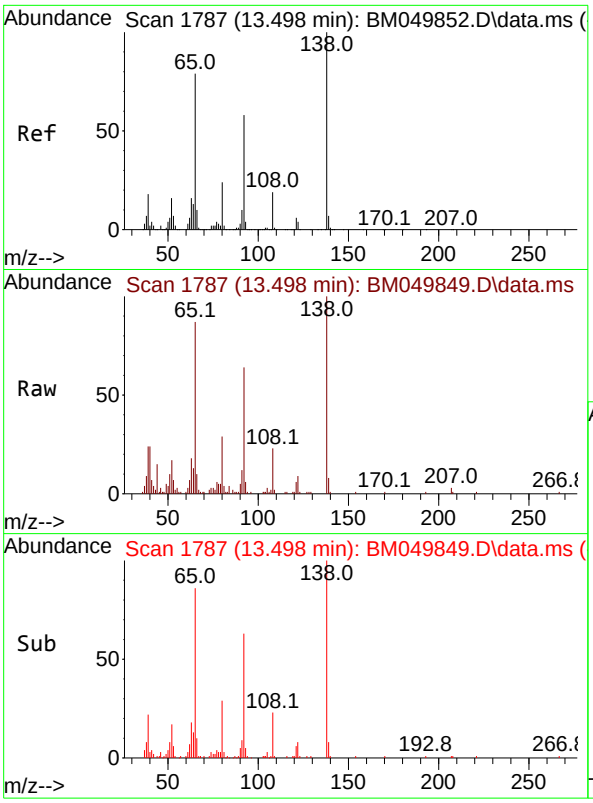


#47
2-Chloronaphthalene
Concen: 4.879 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 191299

Ion	Ratio	Lower	Upper
162	100		
127	34.1	26.0	39.0
164	32.4	25.9	38.9

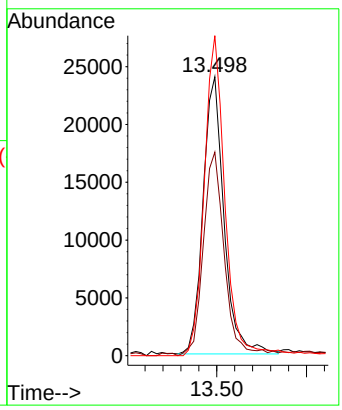




#48
2-Nitroaniline
Concen: 4.285 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 65 Resp: 3887

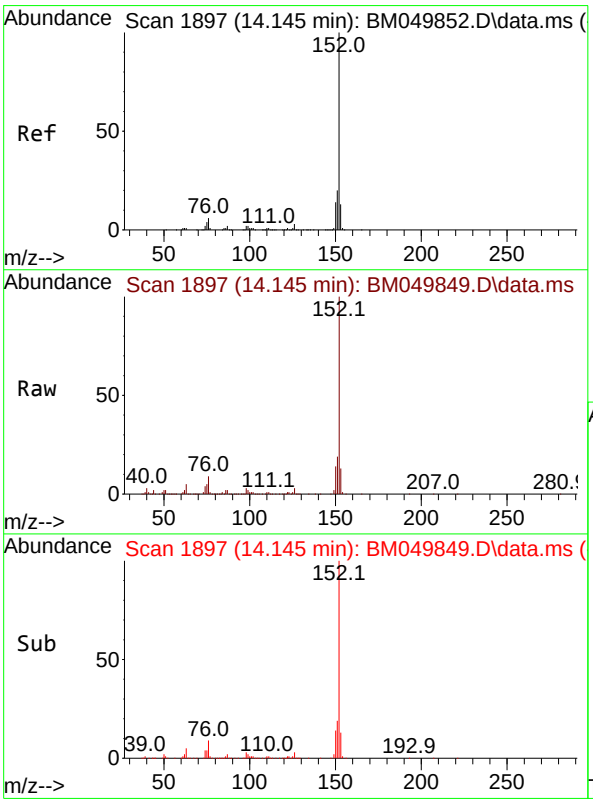
Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	114.8	100.8	151.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

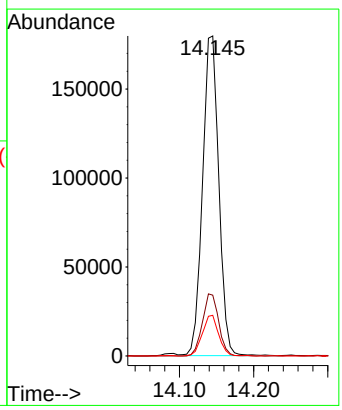
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

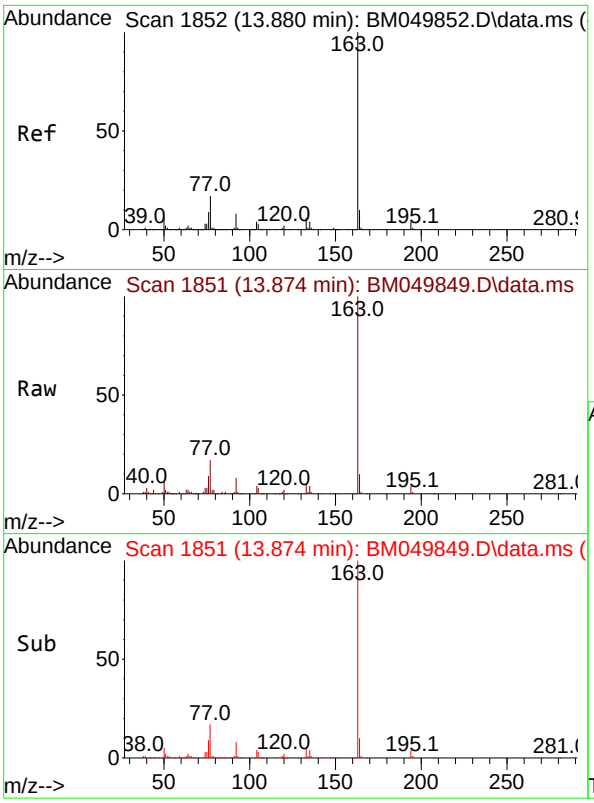


#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.145 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 272990

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	12.7	10.4	15.6

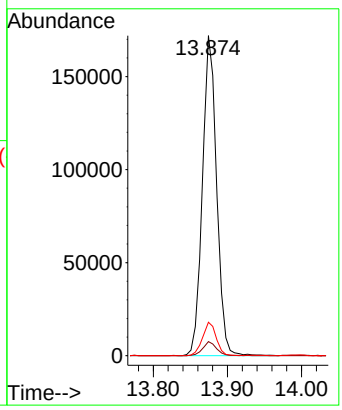




#50
Dimethylphthalate
Concen: 4.841 ng
RT: 13.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:163 Resp: 22920

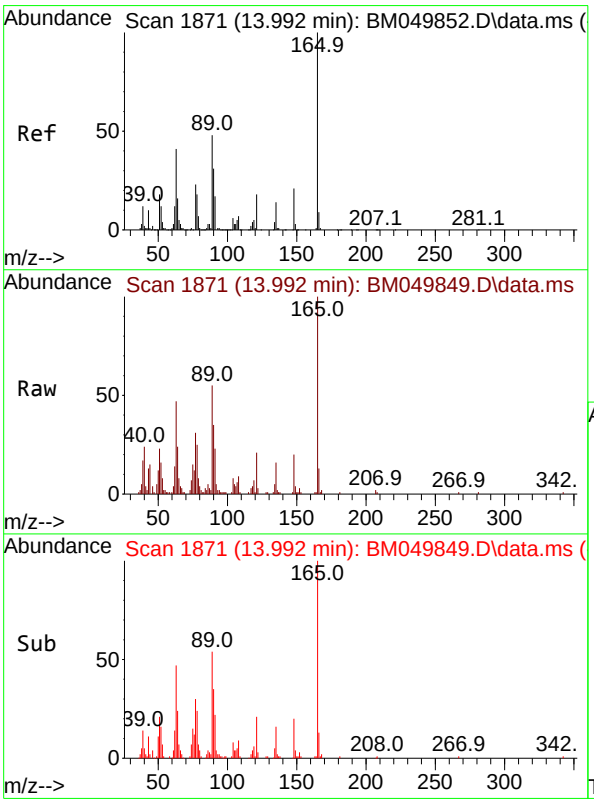
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

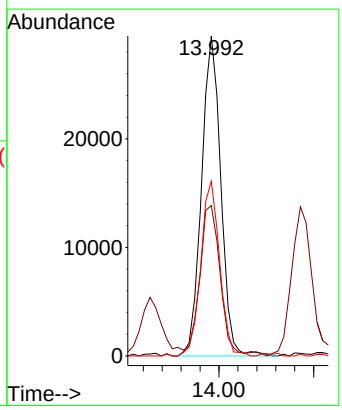
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

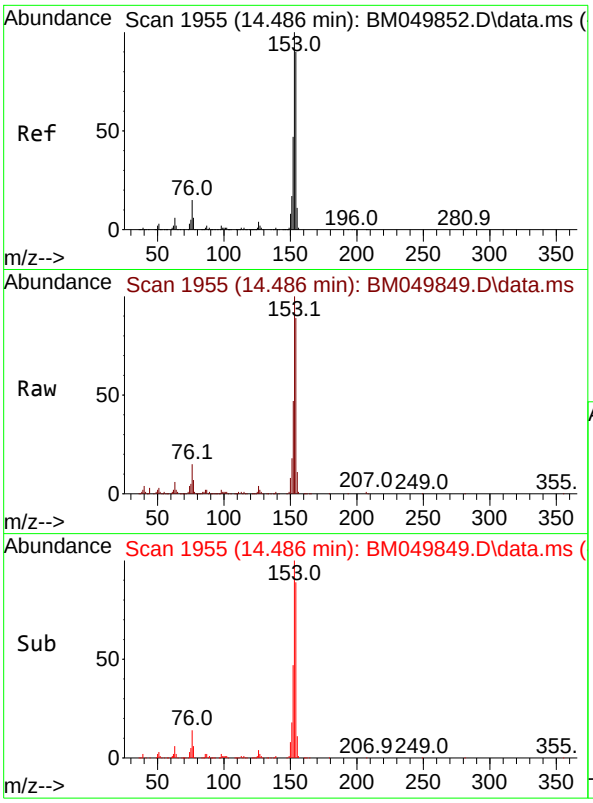


#51
2,6-Dinitrotoluene
Concen: 4.205 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 41712

Ion	Ratio	Lower	Upper
165	100		
63	47.0	36.1	54.1
89	54.6	38.3	57.5

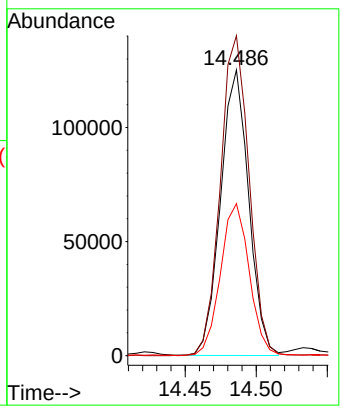




#52
Acenaphthene
Concen: 4.744 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 17236

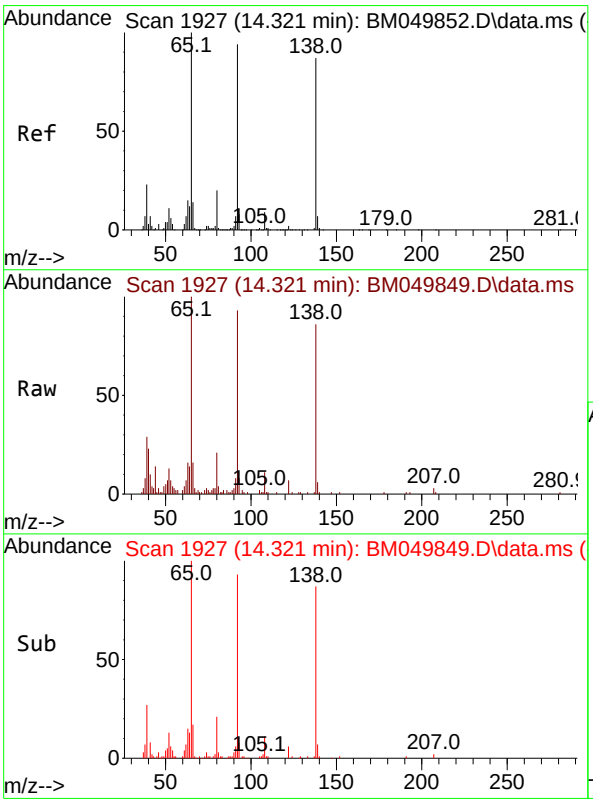
Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	53.2	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

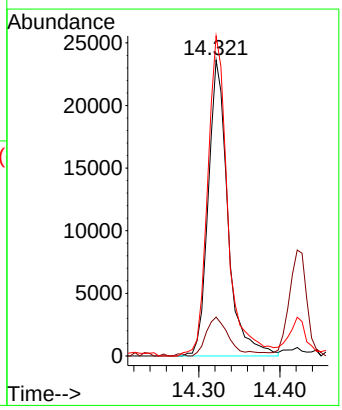
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

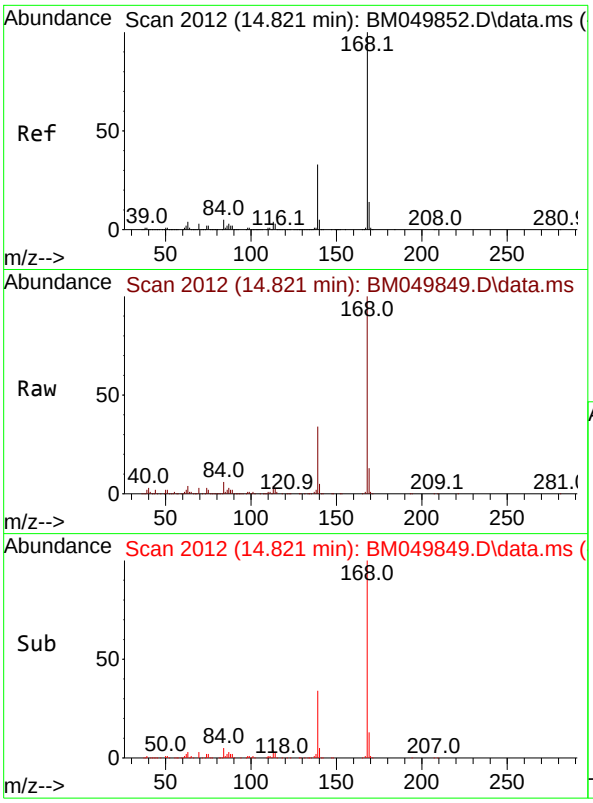


#53
3-Nitroaniline
Concen: 4.133 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 39627

Ion	Ratio	Lower	Upper
138	100		
108	13.2	8.1	12.1#
92	108.2	86.5	129.7

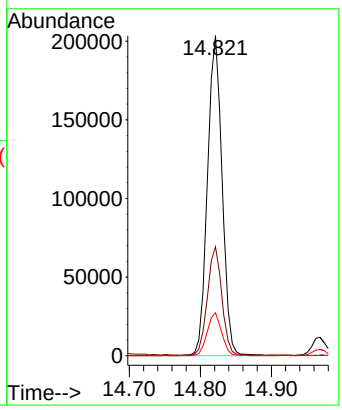




#55
Dibenzofuran
Concen: 4.800 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:168 Resp: 29151

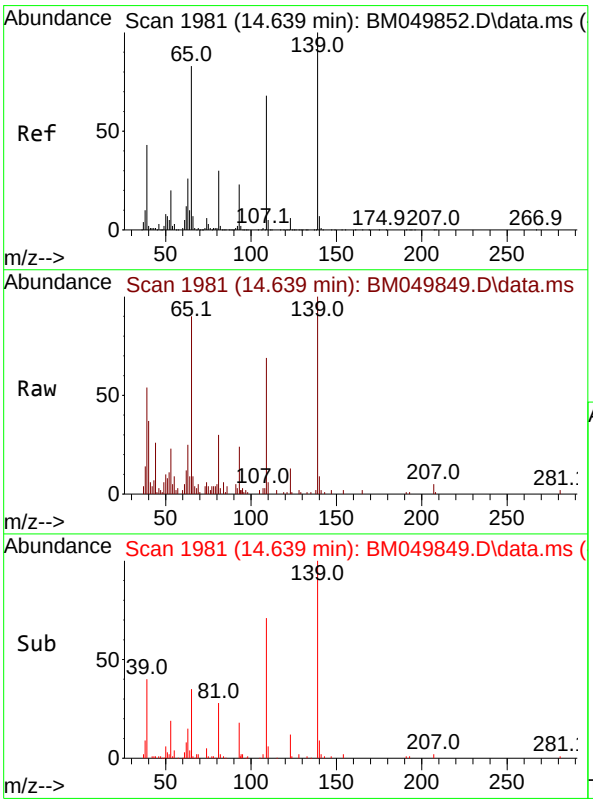
Ion	Ratio	Lower	Upper
168	100		
139	34.1	26.6	39.8
169	13.4	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

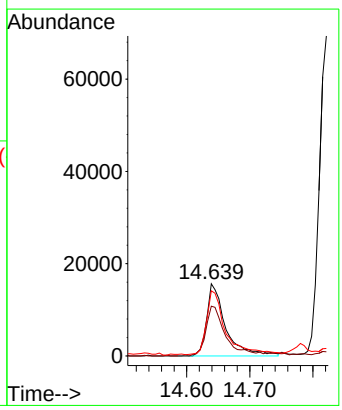
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

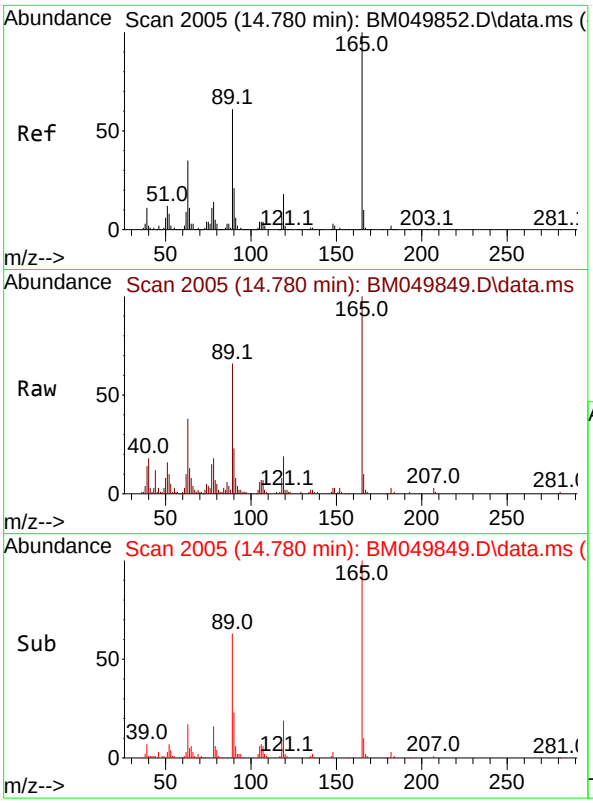


#56
4-Nitrophenol
Concen: 3.826 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 32685

Ion	Ratio	Lower	Upper
139	100		
109	68.9	47.9	87.9
65	90.1	62.7	102.7

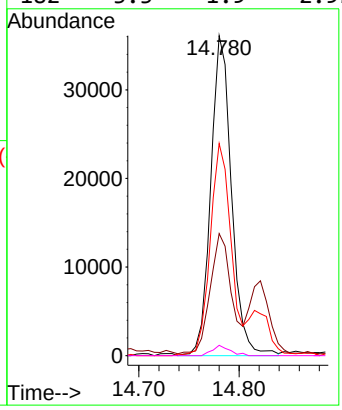




#57
2,4-Dinitrotoluene
Concen: 3.920 ng
RT: 14.780 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 5188

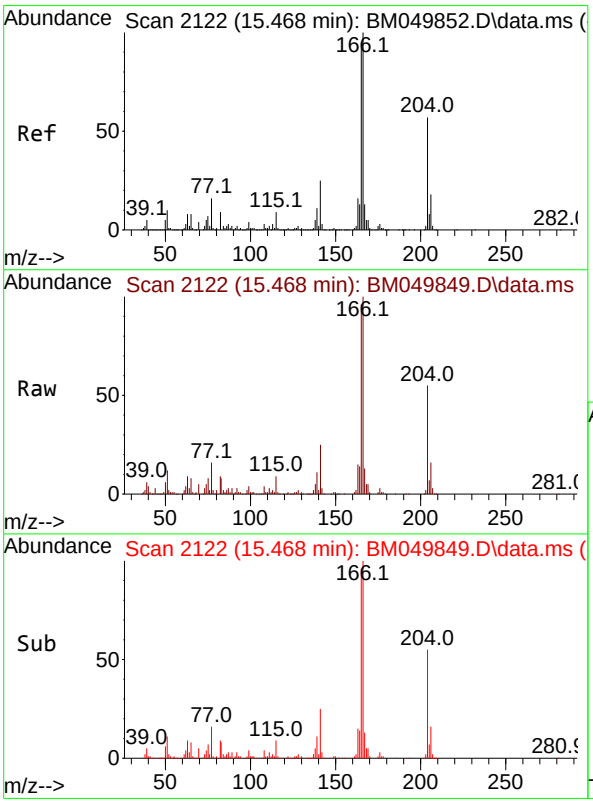
Ion	Ratio	Lower	Upper
165	100		
63	38.2	28.6	42.8
89	66.3	49.0	73.6
182	3.3	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

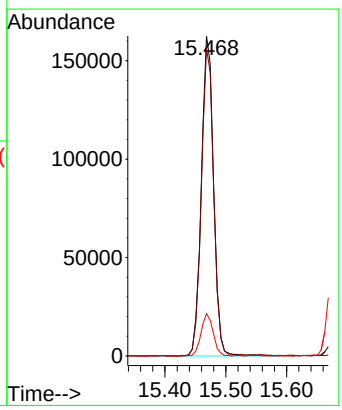
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

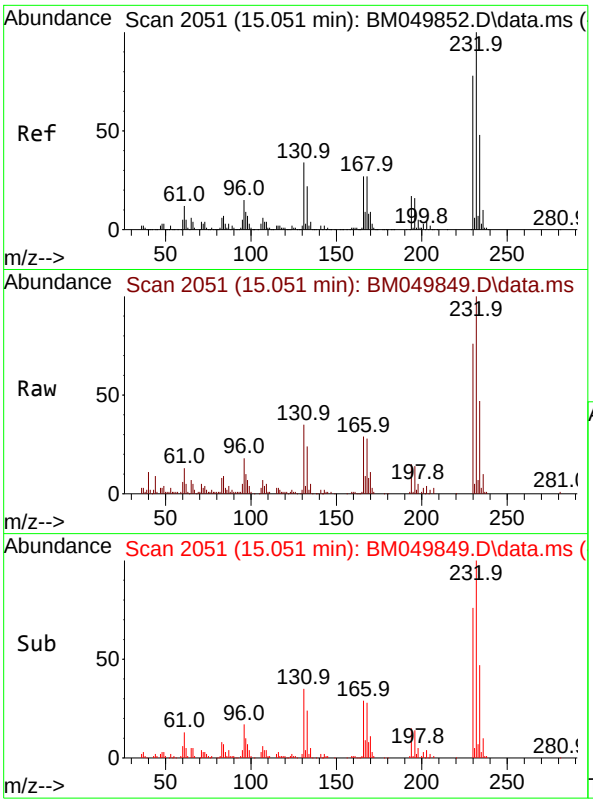


#58
Fluorene
Concen: 4.706 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:166 Resp: 227189

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.2	10.7	16.1

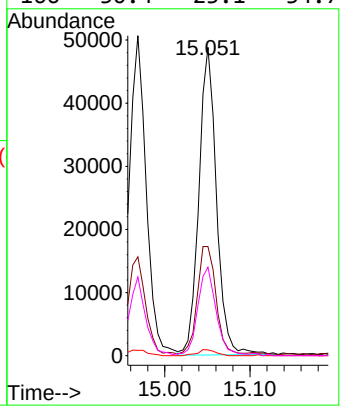




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.924 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:232 Resp: 7006

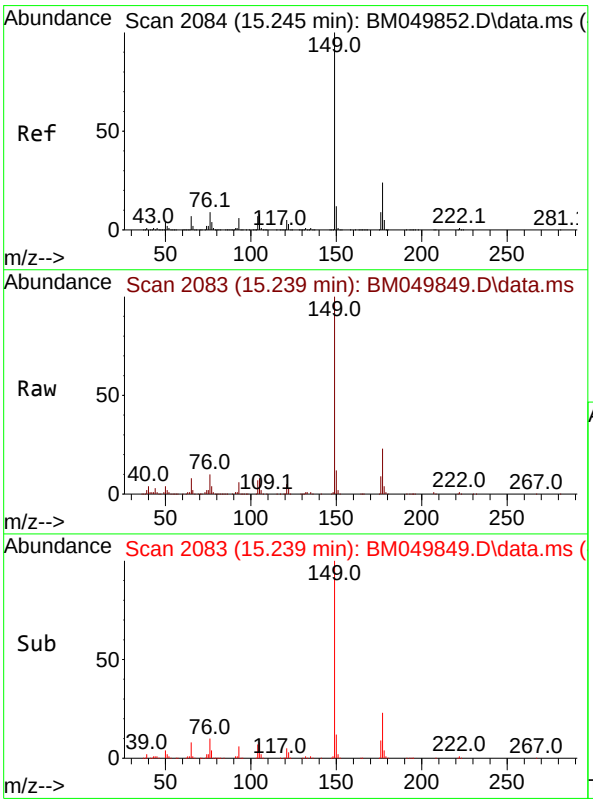
Ion	Ratio	Lower	Upper
232	100		
131	36.7	28.4	42.6
130	2.0	1.6	2.4
166	30.4	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

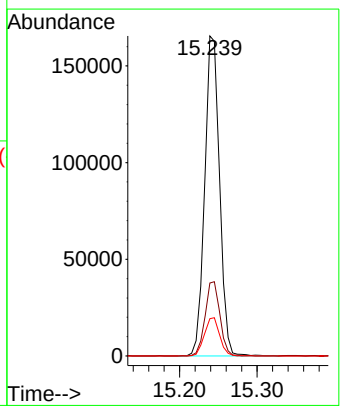
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

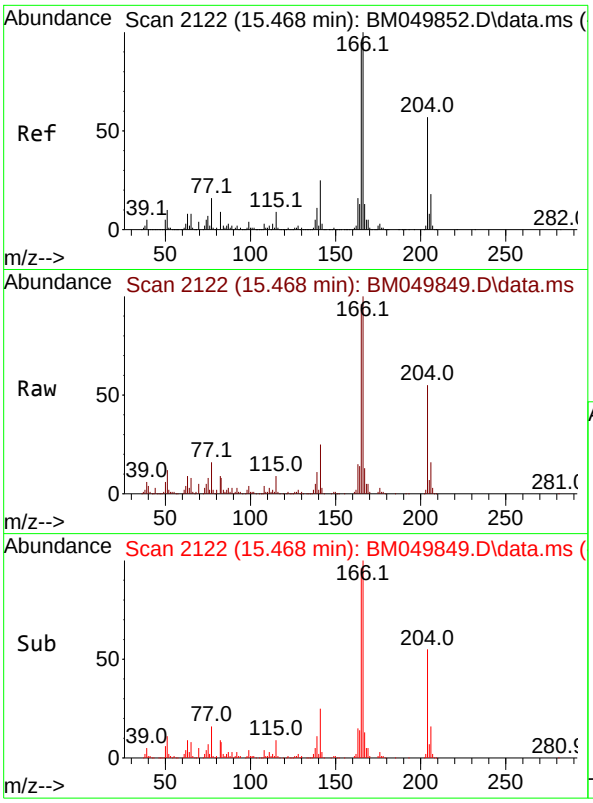


#60
Diethylphthalate
Concen: 4.846 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 220014

Ion	Ratio	Lower	Upper
149	100		
177	22.8	19.0	28.4
150	11.6	9.7	14.5

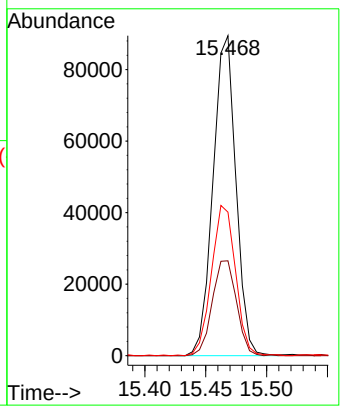




#61
4-Chlorophenyl-phenylether
Concen: 4.529 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:204 Resp: 11723

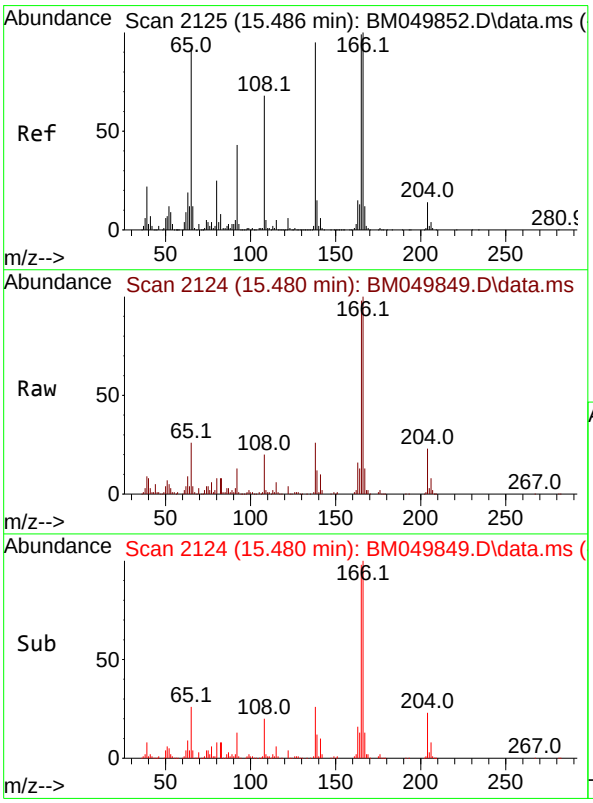
Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.2	39.2
141	44.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

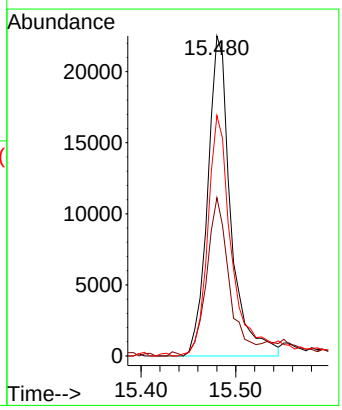
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

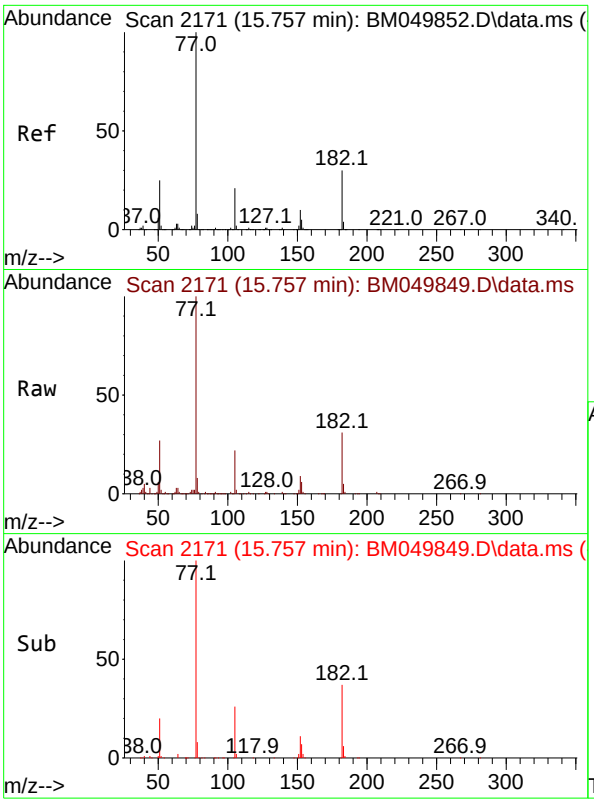


#62
4-Nitroaniline
Concen: 3.843 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 38105

Ion	Ratio	Lower	Upper
138	100		
92	49.4	24.9	64.9
108	75.2	51.7	91.7

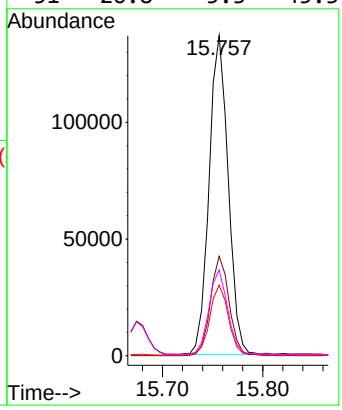




#63
Azobenzene
Concen: 4.650 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 18075

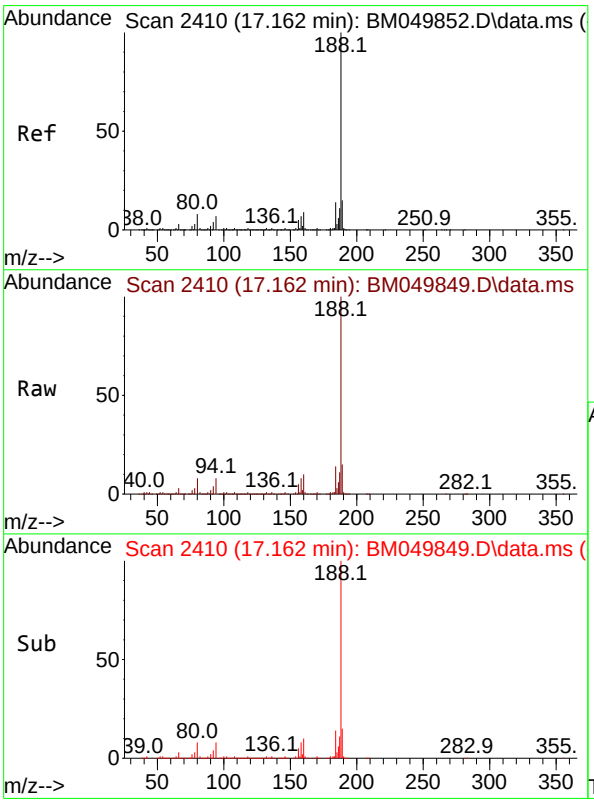
Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.4	50.4
105	22.1	1.5	41.5
51	26.8	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

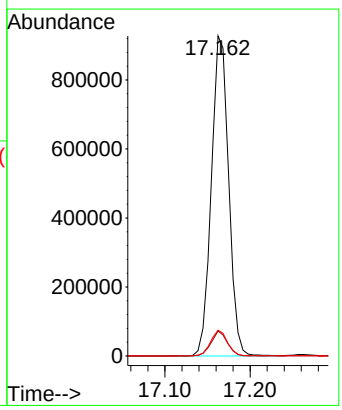
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

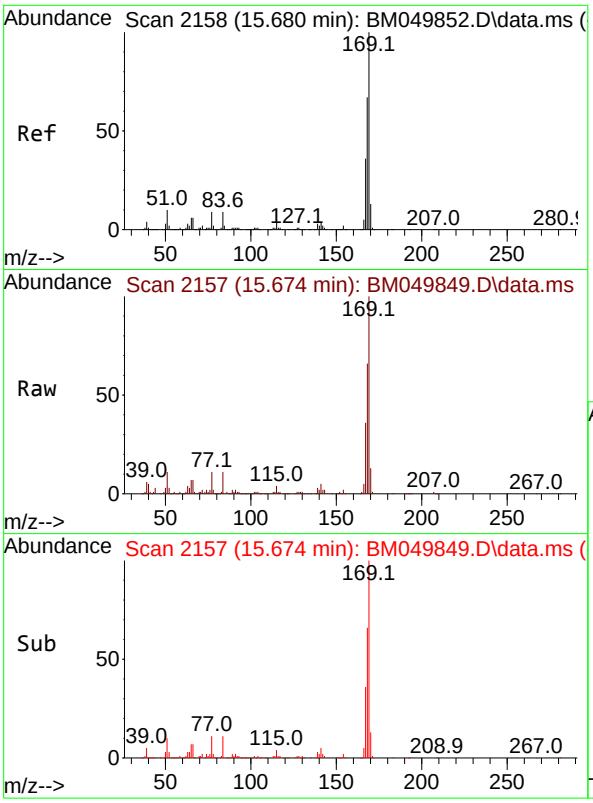


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:188 Resp: 1305854

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.8	8.6
80	8.1	6.4	9.6

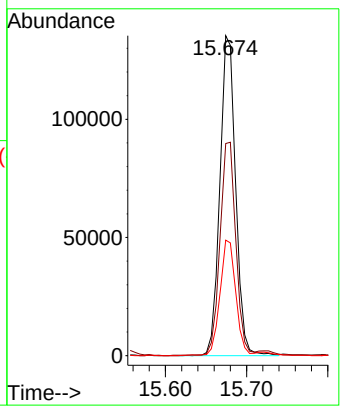




#66
n-Nitrosodiphenylamine
Concen: 4.686 ng
RT: 15.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:169 Resp: 18313

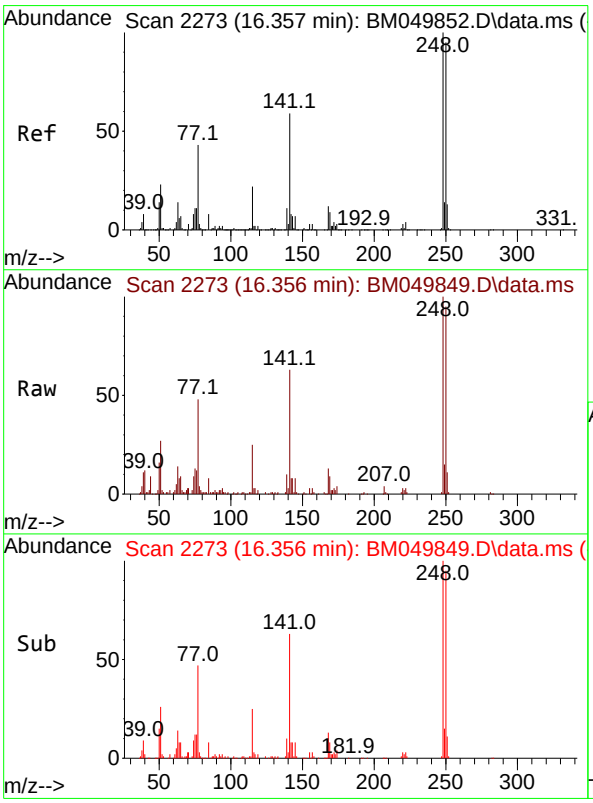
Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.1	29.0	43.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

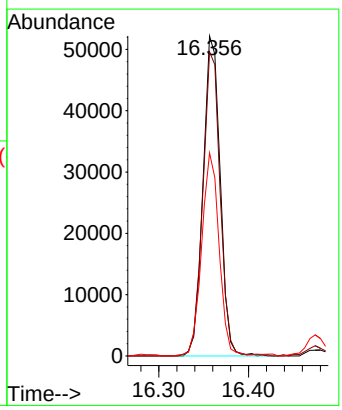
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

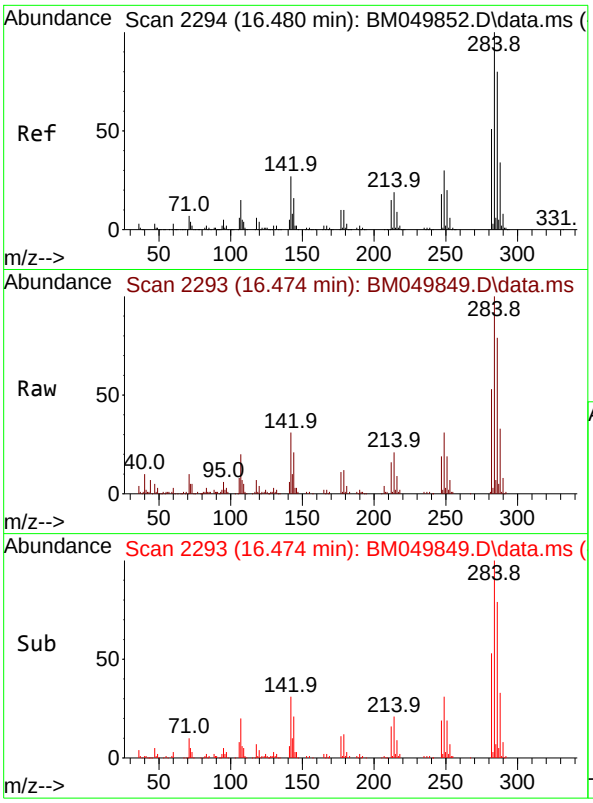


#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 16.356 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:248 Resp: 69182

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.2	114.2
141	63.4	47.3	70.9

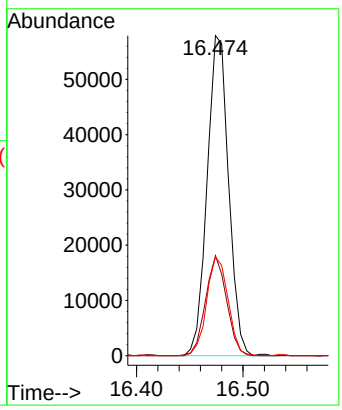




#68
Hexachlorobenzene
Concen: 4.669 ng
RT: 16.474 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:284 Resp: 8118

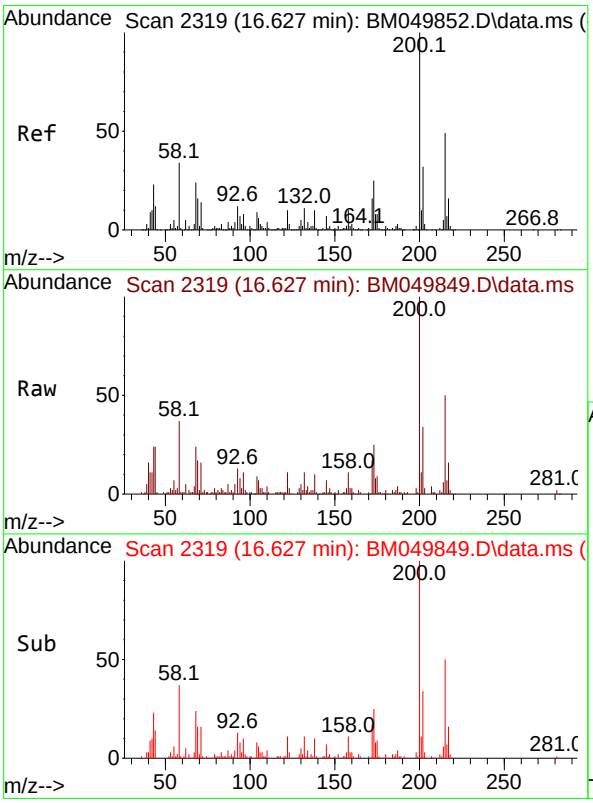
Ion	Ratio	Lower	Upper
284	100		
142	31.2	21.2	31.8
249	30.9	24.1	36.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

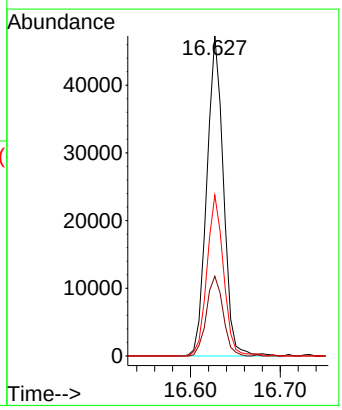
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

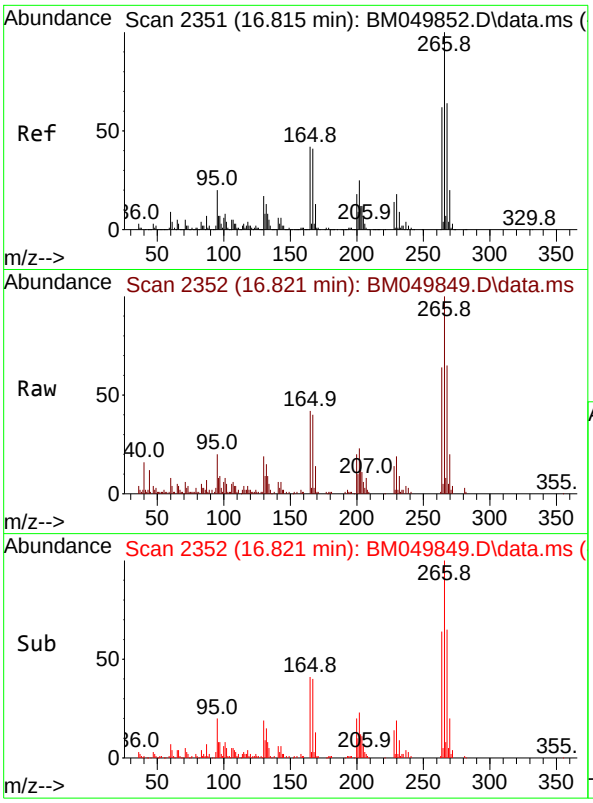


#69
Atrazine
Concen: 5.993 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:200 Resp: 60729

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.4	45.4
215	50.2	29.0	69.0

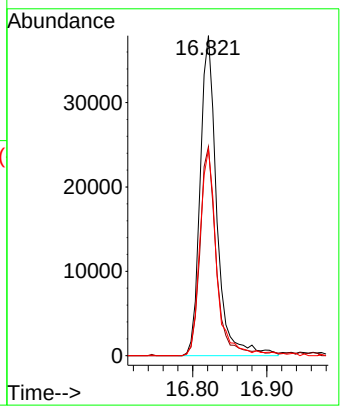




#70
Pentachlorophenol
Concen: 4.615 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:266 Resp: 5908

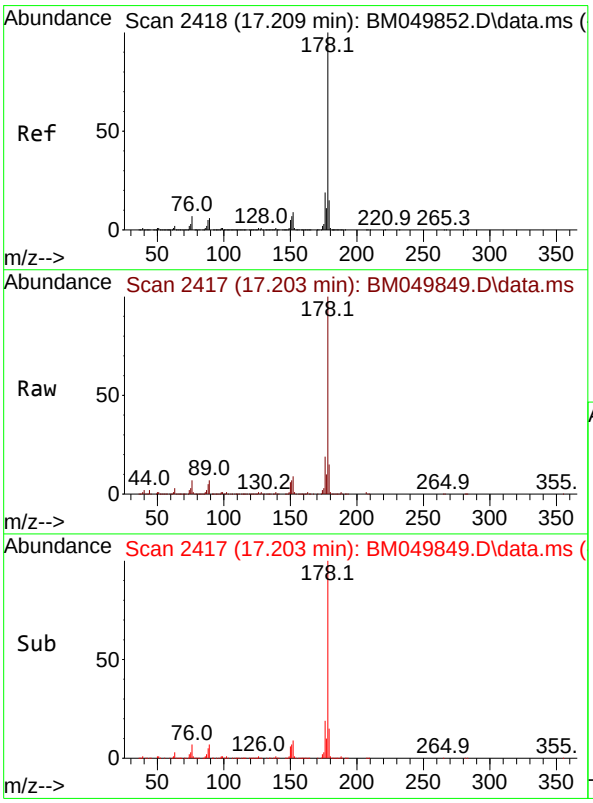
Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	64.5	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

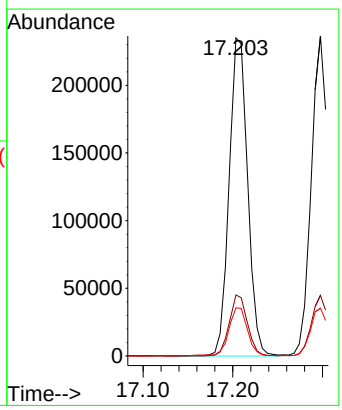
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

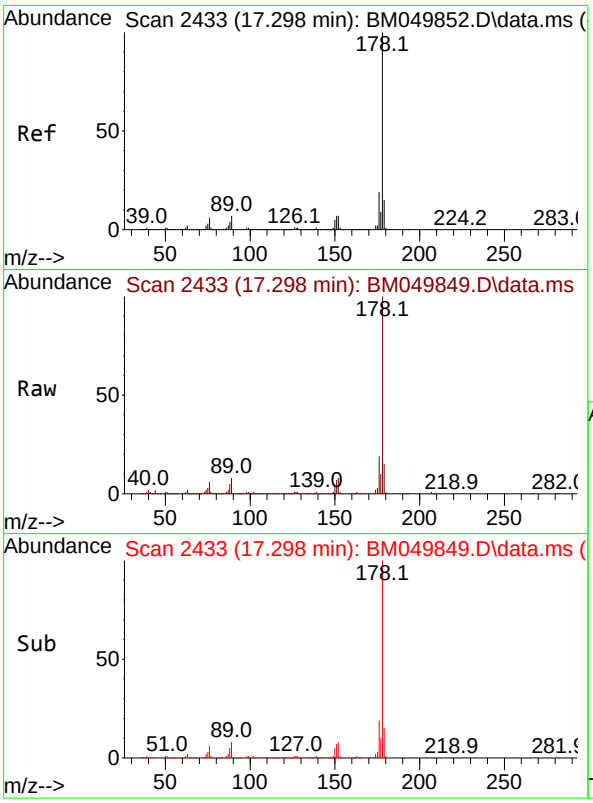


#71
Phenanthrene
Concen: 4.703 ng
RT: 17.203 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 336674

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.3	18.5

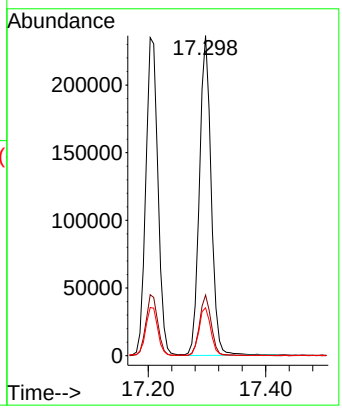




#72
Anthracene
Concen: 4.616 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 32563

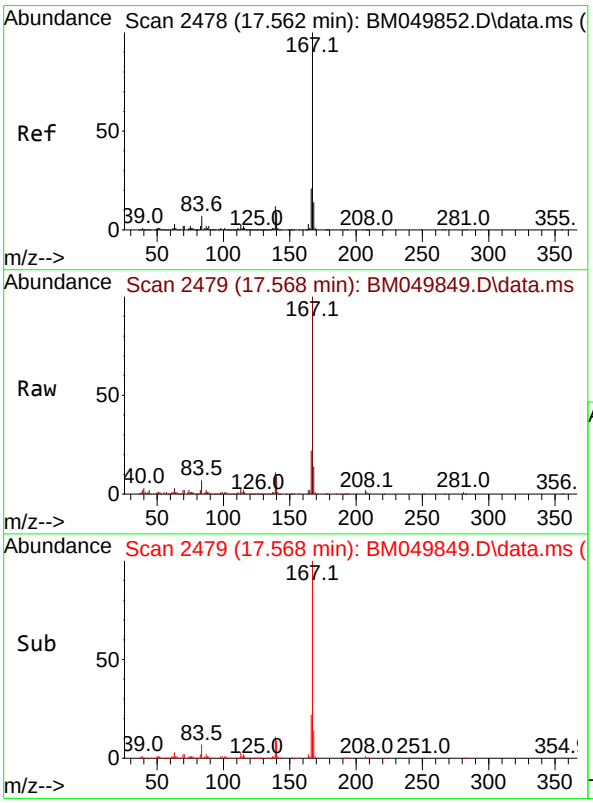
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.9	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

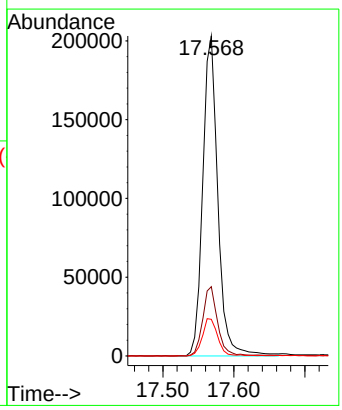
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

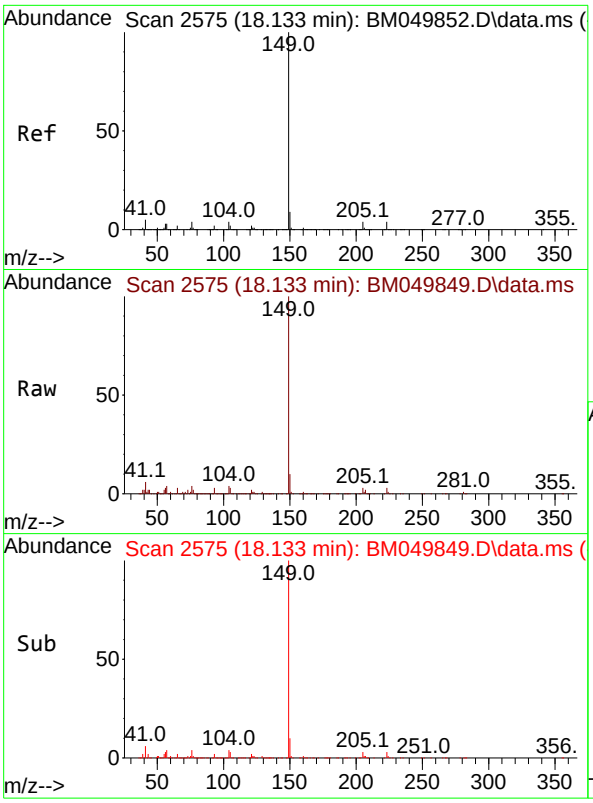


#73
Carbazole
Concen: 4.530 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:167 Resp: 301001

Ion	Ratio	Lower	Upper
167	100		
166	21.7	16.9	25.3
139	11.5	9.3	13.9

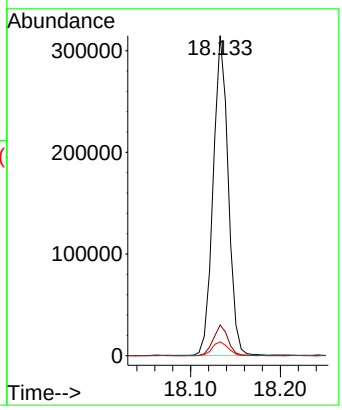




#74
Di-n-butylphthalate
Concen: 4.773 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 36535

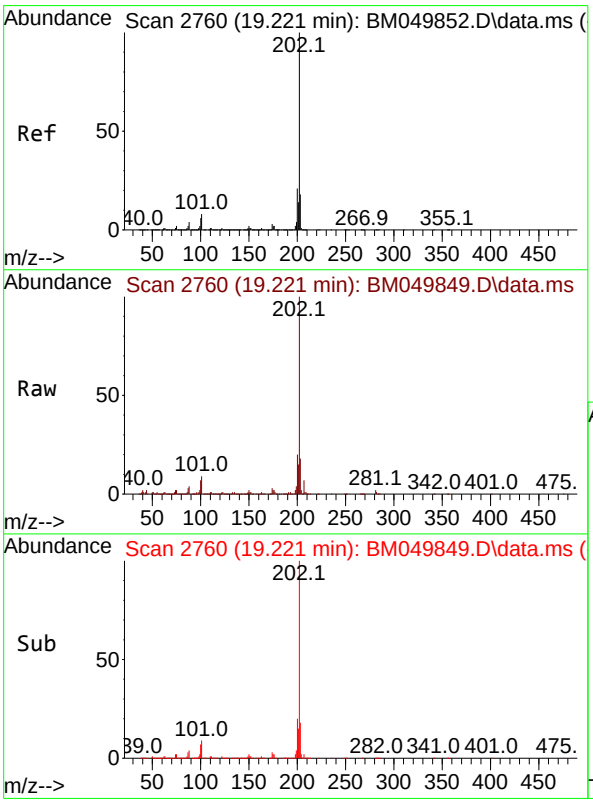
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.3	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

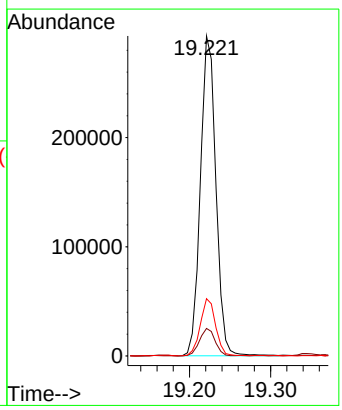
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

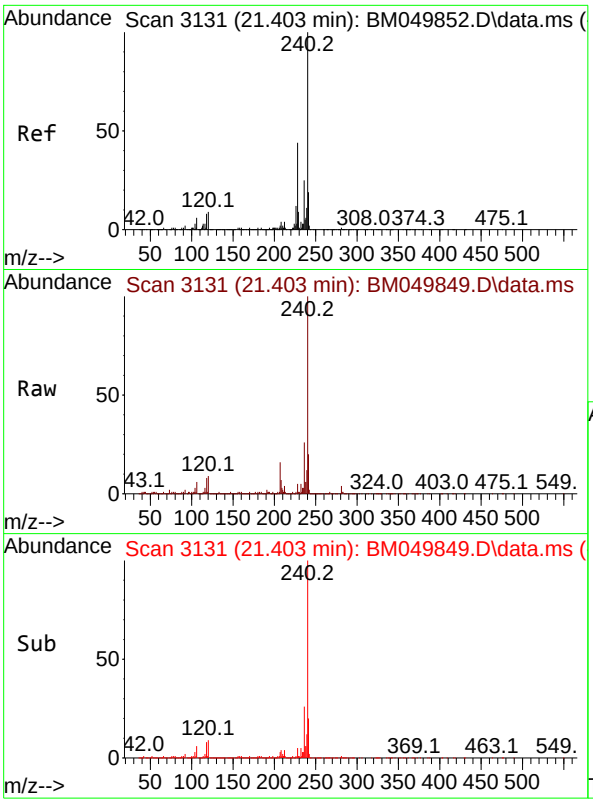


#75
Fluoranthene
Concen: 4.404 ng
RT: 19.221 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 387674

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	17.9	0.0	37.8

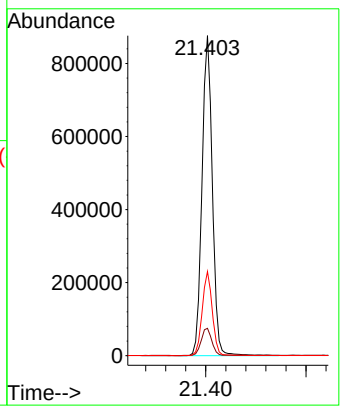




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:240 Resp: 125541

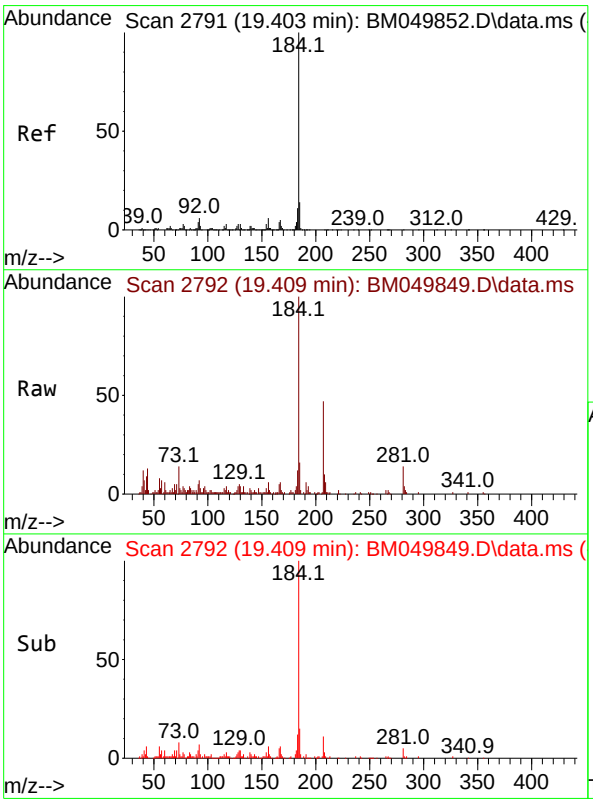
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.3	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

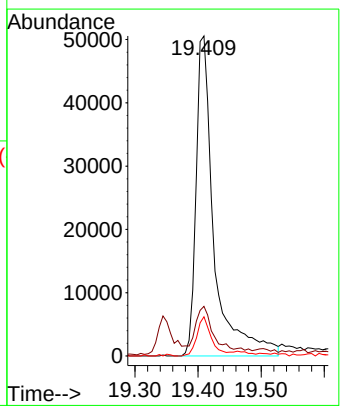
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

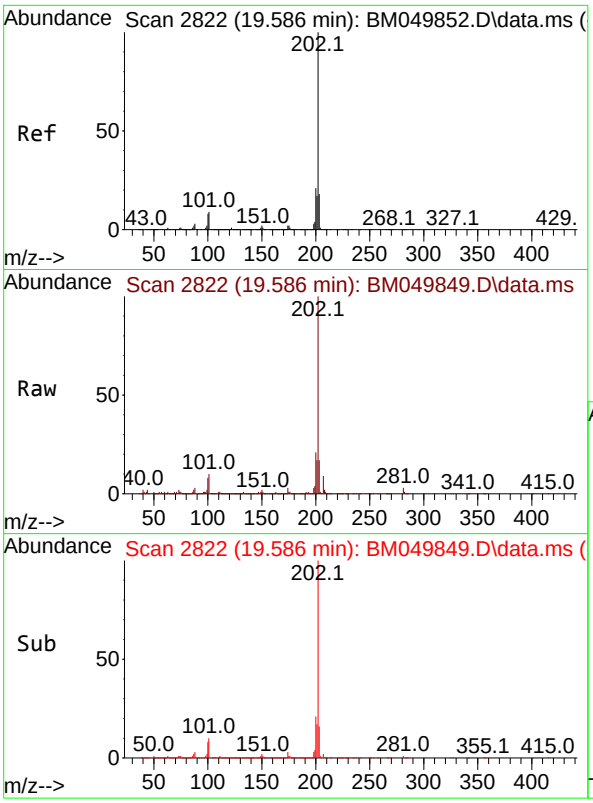


#77
Benzidine
Concen: 6.015 ng
RT: 19.409 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:184 Resp: 100183

Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.4	17.2
183	12.3	8.8	13.2

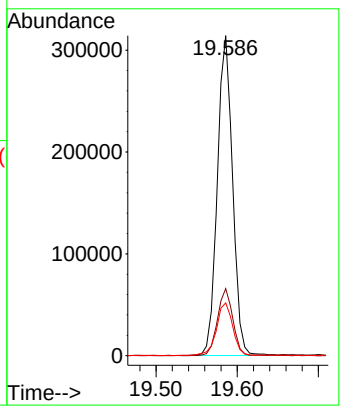




#78
Pyrene
Concen: 4.753 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 41123

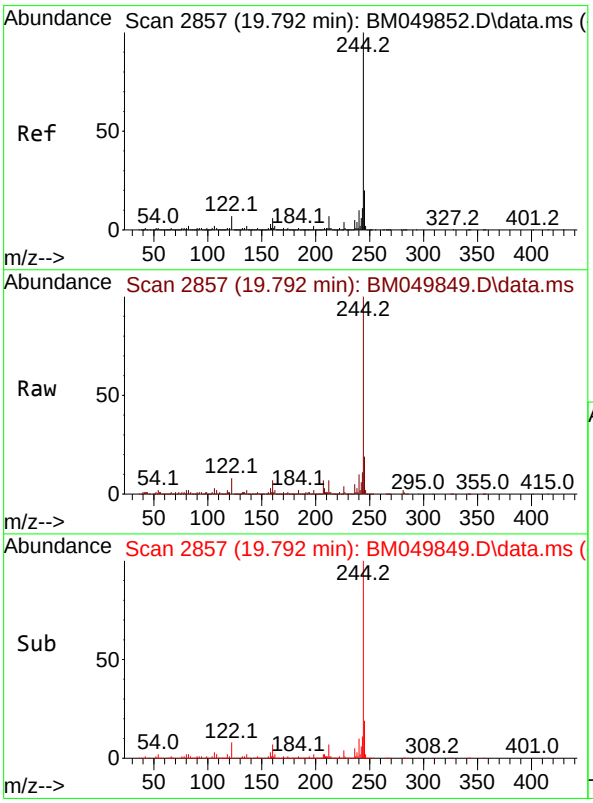
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

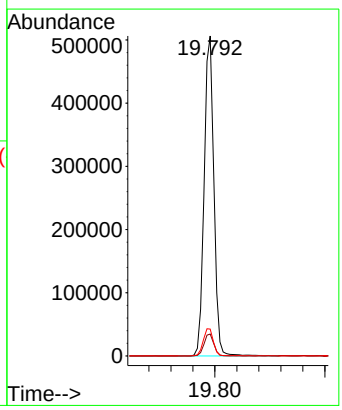
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

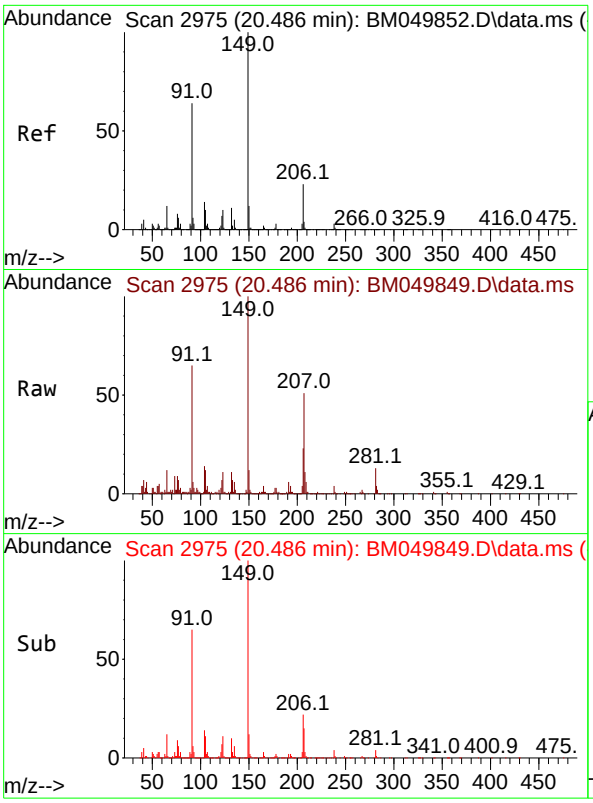


#79
Terphenyl-d14
Concen: 9.258 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:244 Resp: 620191

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	5.4	8.0#

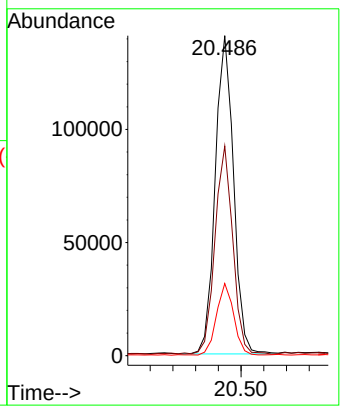




#80
Butylbenzylphthalate
Concen: 4.851 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 15769

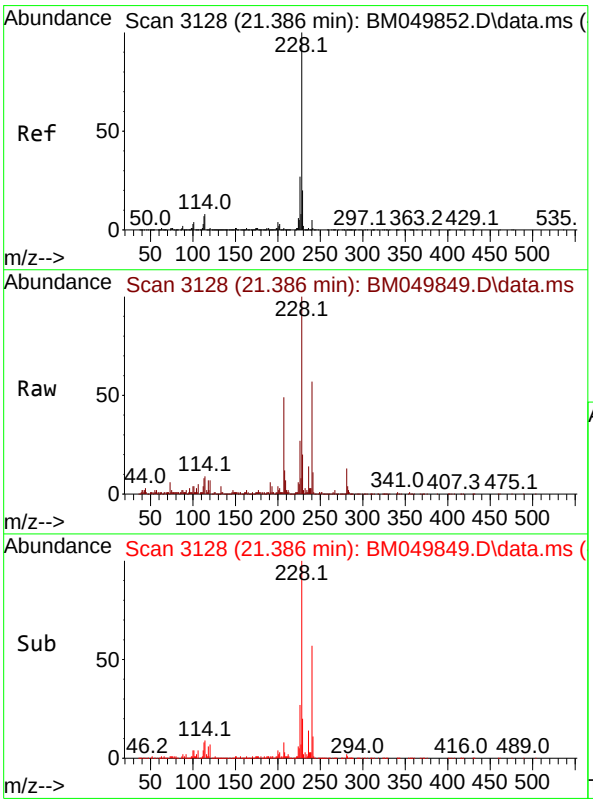
Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.9	76.3
206	22.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

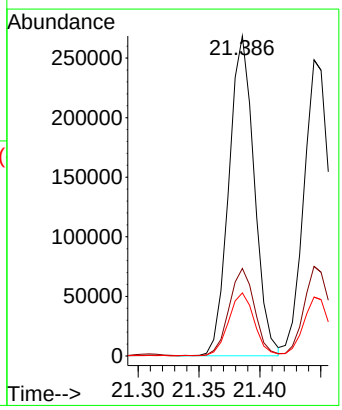
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

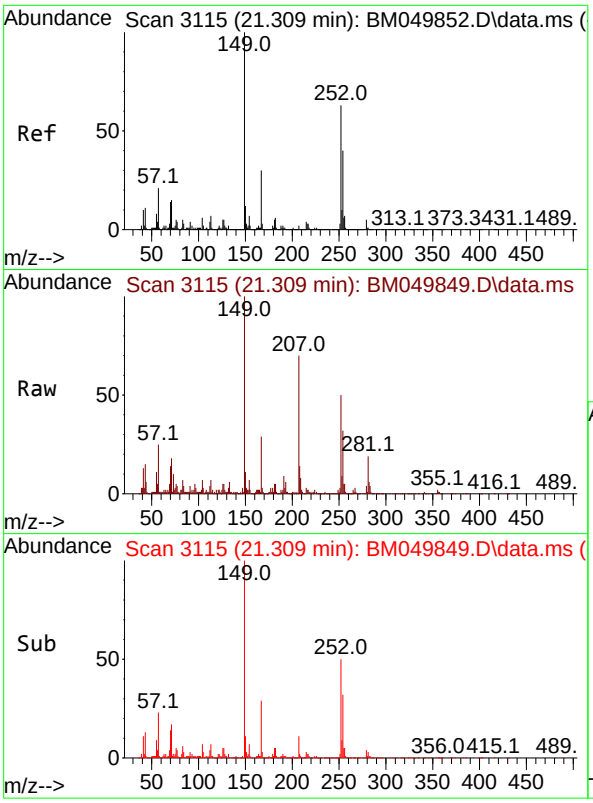


#81
Benzo(a)anthracene
Concen: 4.652 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 388113

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.8	23.8

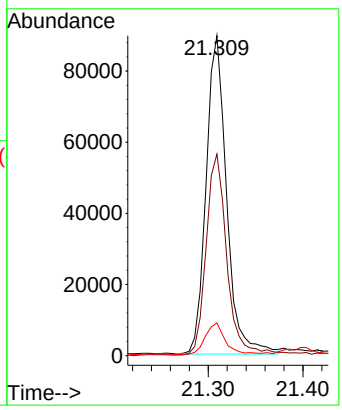




#82
3,3'-Dichlorobenzidine
Concen: 4.262 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 13430

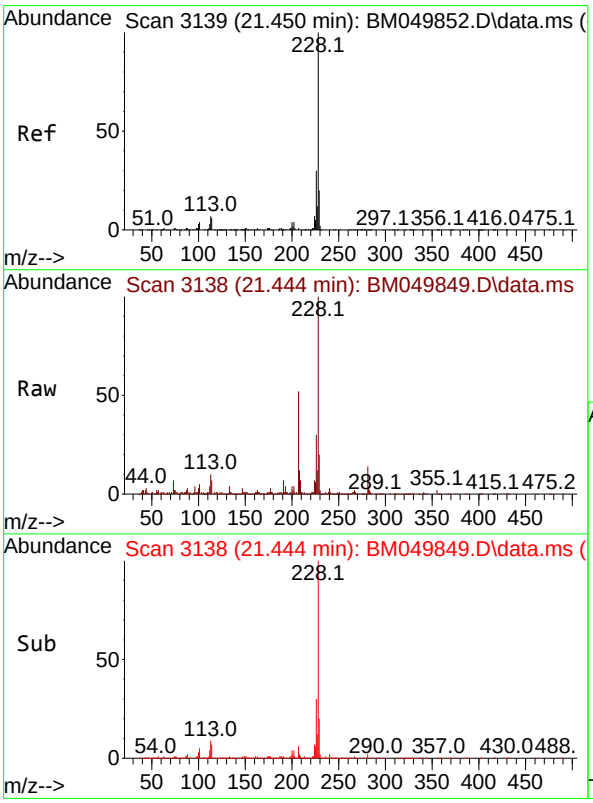
Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.5	77.3
126	10.2	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

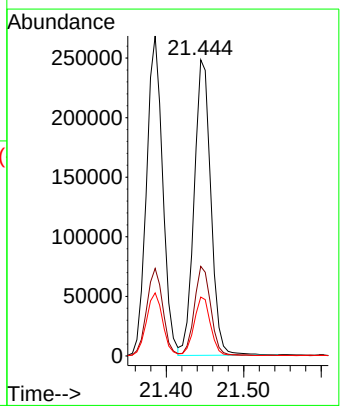
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

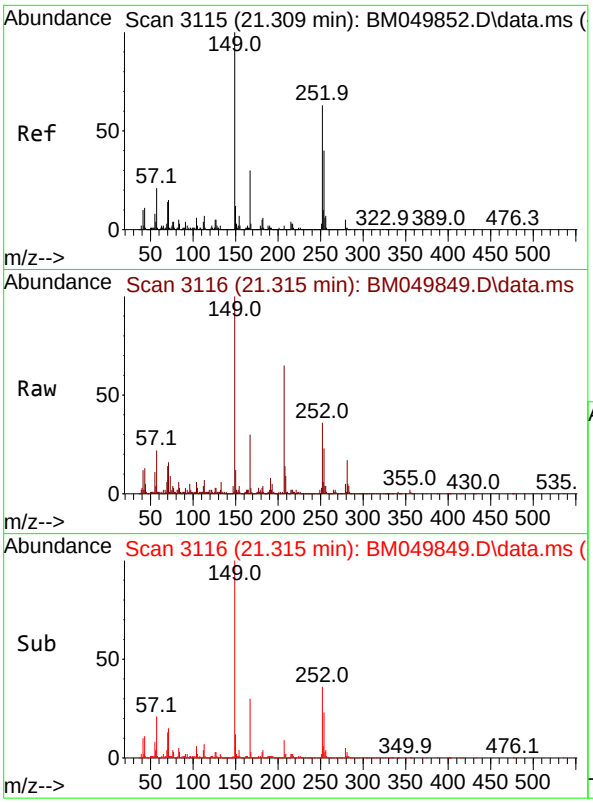


#83
Chrysene
Concen: 4.665 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 370038

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.9	15.8	23.6

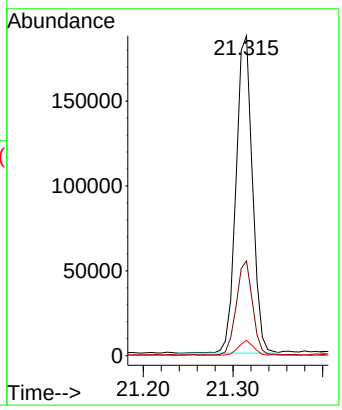




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.021 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 23782

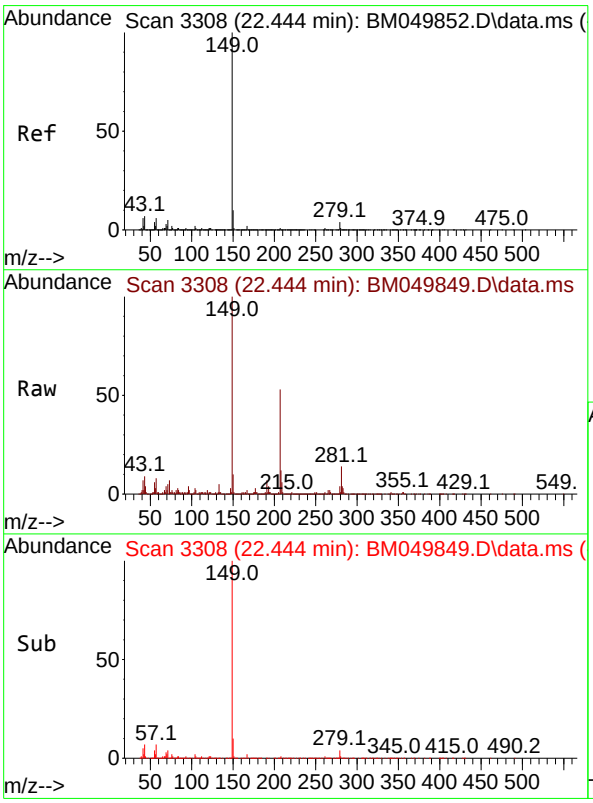
Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

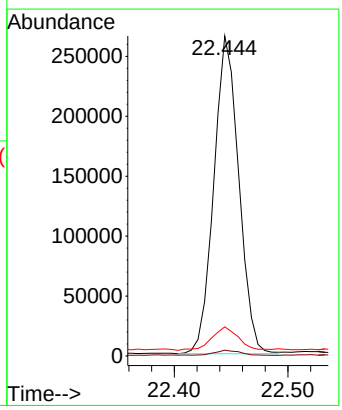
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

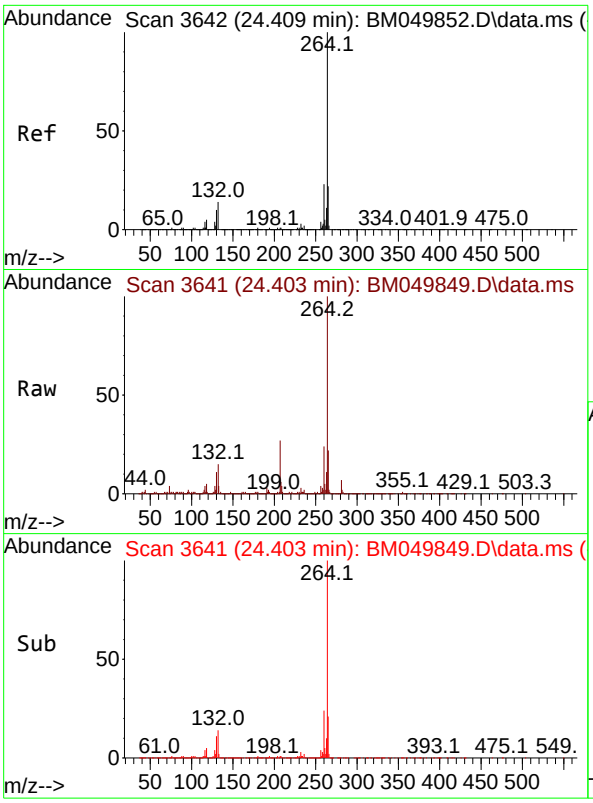


#85
Di-n-octyl phthalate
Concen: 4.889 ng
RT: 22.444 min Scan# 3308
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 405083

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	5.8	8.6

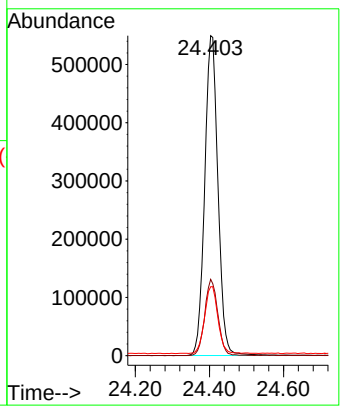




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:264 Resp: 136367

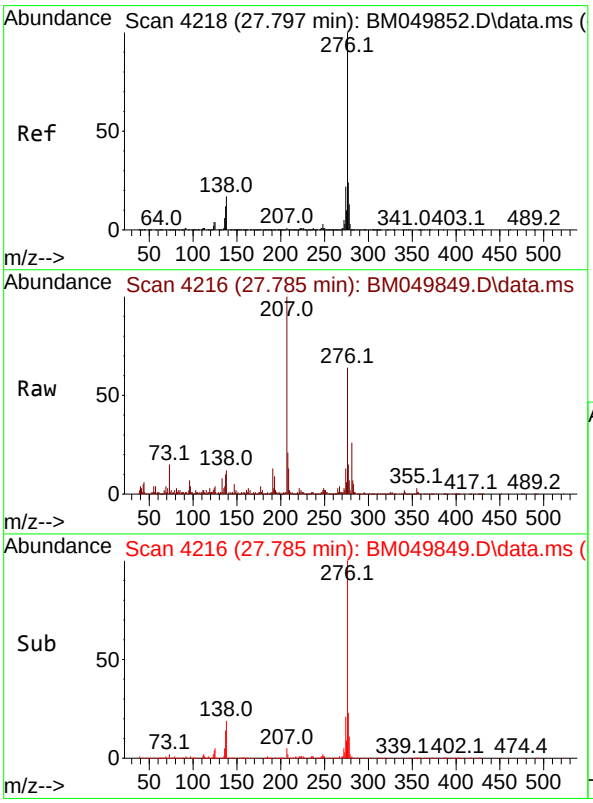
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.6	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

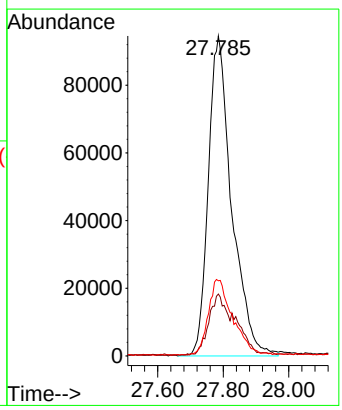
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

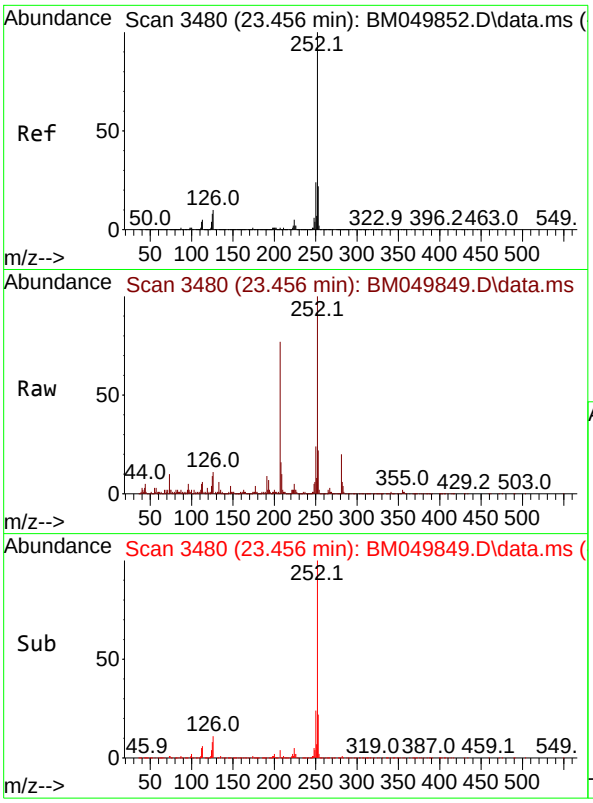


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.612 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 468774

Ion	Ratio	Lower	Upper
276	100		
138	14.5	16.8	25.2#
277	24.3	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 4.467 ng
RT: 23.456 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

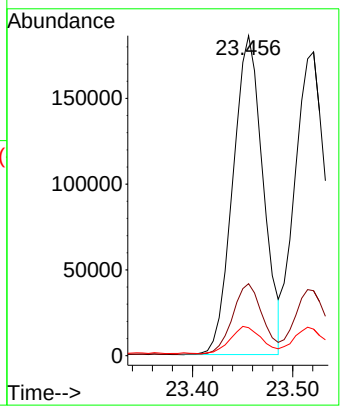
Tgt Ion:252 Resp: 38902

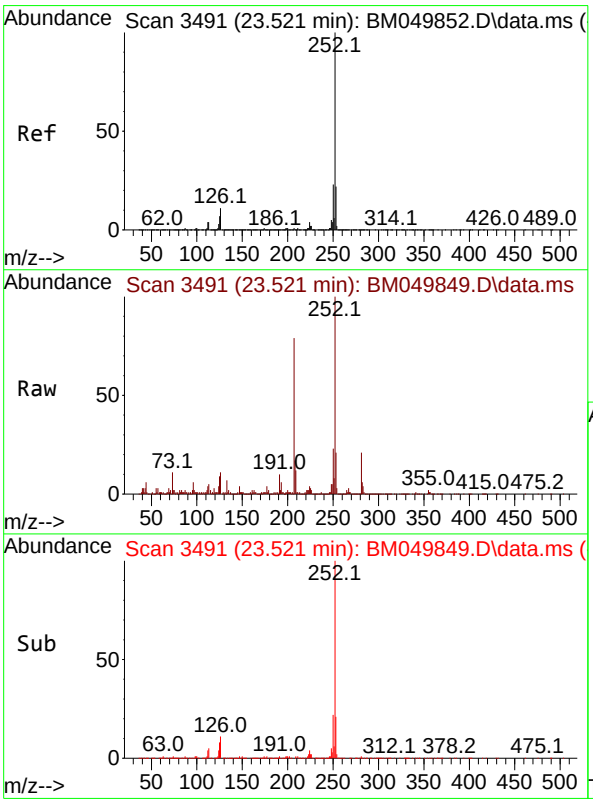
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.7	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

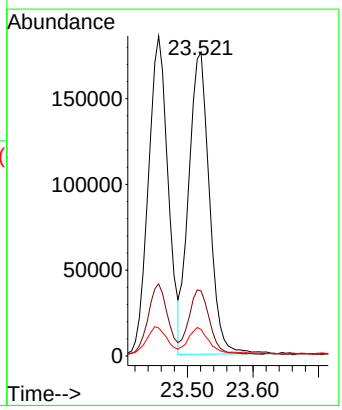


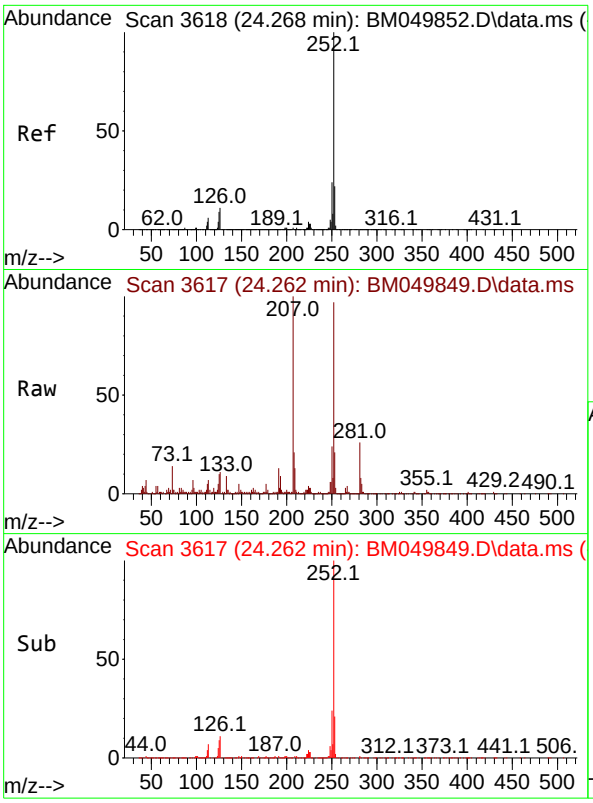


#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.521 min Scan# 3491
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 385821

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.7	5.8	8.8

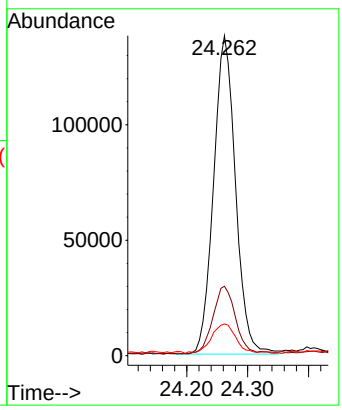




#90
Benzo(a)pyrene
Concen: 4.505 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 34480

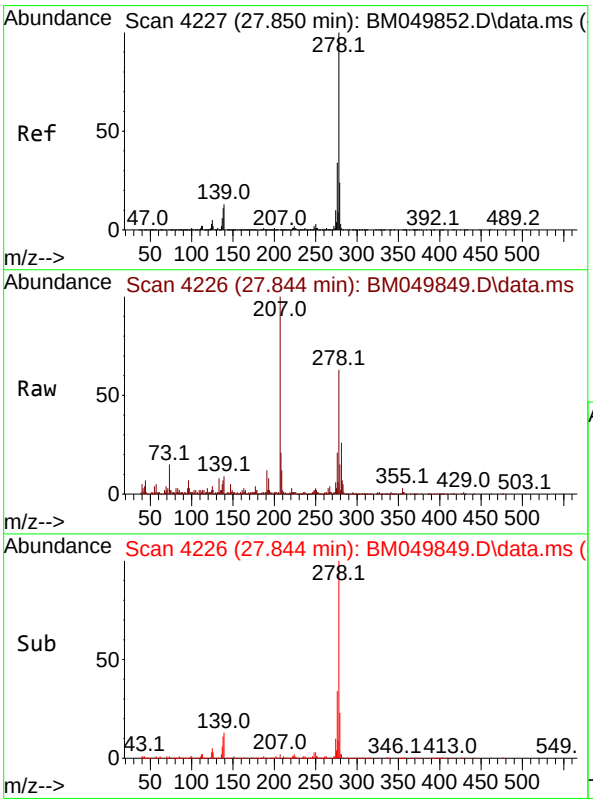
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

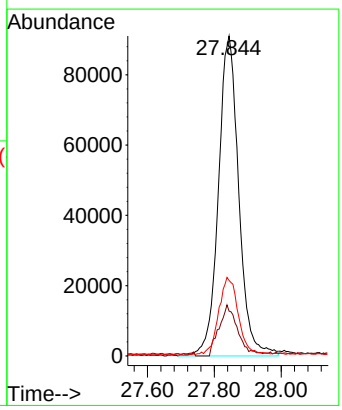
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

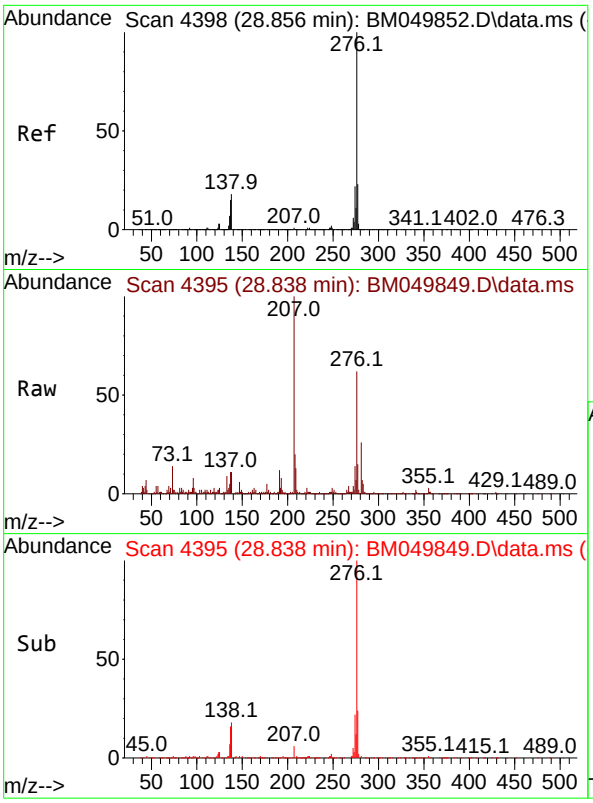


#91
Dibenzo(a,h)anthracene
Concen: 4.595 ng
RT: 27.844 min Scan# 4226
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:278 Resp: 384717

Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.6	15.8
279	23.6	19.1	28.7

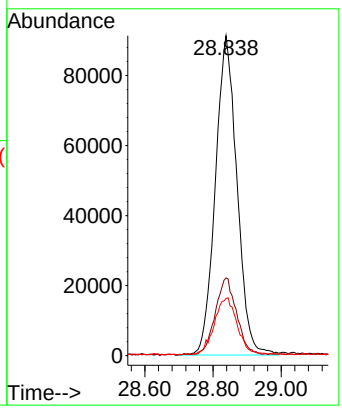




#92
Benzo(g,h,i)perylene
Concen: 4.693 ng
RT: 28.838 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 40153

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	17.9	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318993	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1091615	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	671187	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1281742	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1251521	20.000	ng		0.00
86) Perylene-d12	24.403	264	1360976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	364921	19.426	ng		0.00
7) Phenol-d6	6.951	99	444096	19.001	ng		0.00
23) Nitrobenzene-d5	8.934	82	375019	19.130	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	171135	17.530	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	949122	19.175	ng		0.00
79) Terphenyl-d14	19.792	244	1257136	18.825	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	74941	9.687	ng		99
3) Pyridine	3.669	79	194530	9.574	ng		98
4) n-Nitrosodimethylamine	3.569	42	73514	9.503	ng	#	92
6) Aniline	7.104	93	209739	10.473	ng		98
8) 2-Chlorophenol	7.346	128	189954	9.867	ng		98
9) Benzaldehyde	6.916	77	132319	11.041	ng		97
10) Phenol	6.975	94	218482	9.579	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	172950	9.669	ng		98
12) 1,3-Dichlorobenzene	7.669	146	221893	9.749	ng		99
13) 1,4-Dichlorobenzene	7.816	146	223068	9.740	ng		97
14) 1,2-Dichlorobenzene	8.134	146	211403	9.800	ng		99
15) Benzyl Alcohol	8.016	79	136655	9.285	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	197037	9.884	ng		98
17) 2-Methylphenol	8.228	107	136469	9.709	ng		98
18) Hexachloroethane	8.857	117	78782	9.888	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	124842	9.644	ng		99
20) 3+4-Methylphenols	8.551	107	182163	9.506	ng		94
22) Acetophenone	8.598	105	260553	9.821	ng	#	99
24) Nitrobenzene	8.975	77	179572	9.513	ng		99
25) Isophorone	9.504	82	309763	9.433	ng		99
26) 2-Nitrophenol	9.687	139	90001	8.996	ng		98
27) 2,4-Dimethylphenol	9.751	122	105908	9.341	ng		98
28) bis(2-Chloroethoxy)met...	9.987	93	210772	9.587	ng		100
29) 2,4-Dichlorophenol	10.228	162	174408	9.254	ng		98
30) 1,2,4-Trichlorobenzene	10.439	180	207530	9.518	ng		97
31) Naphthalene	10.622	128	540149	9.630	ng		98
32) Benzoic acid	9.828	122	59585m	12.140	ng		
33) 4-Chloroaniline	10.734	127	191655	9.676	ng		100
34) Hexachlorobutadiene	10.916	225	128662	9.540	ng		98
35) Caprolactam	11.492	113	48349	8.944	ng		91
36) 4-Chloro-3-methylphenol	11.863	107	150861	9.138	ng		99
37) 2-Methylnaphthalene	12.239	142	374075	9.465	ng		99
38) 1-Methylnaphthalene	12.457	142	359844	9.346	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	222088	9.458	ng		99
41) Hexachlorocyclopentadiene	12.592	237	74731	9.083	ng		95
43) 2,4,6-Trichlorophenol	12.851	196	141088	9.442	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	151683	9.342	ng		96
46) 1,1'-Biphenyl	13.251	154	479426	9.609	ng		99
47) 2-Chloronaphthalene	13.292	162	383880	9.789	ng		99
48) 2-Nitroaniline	13.492	65	81359	8.968	ng		94
49) Acenaphthylene	14.139	152	541476	9.479	ng		100
50) Dimethylphthalate	13.875	163	446549	9.431	ng		99
51) 2,6-Dinitrotoluene	13.992	165	88819	8.953	ng		98
52) Acenaphthene	14.486	154	343452	9.452	ng		98
53) 3-Nitroaniline	14.322	138	84915	8.856	ng	#	96
54) 2,4-Dinitrophenol	14.533	184	32385	11.325	ng		97
55) Dibenzofuran	14.822	168	573562	9.443	ng		99
56) 4-Nitrophenol	14.639	139	71545	8.373	ng		99
57) 2,4-Dinitrotoluene	14.780	165	111615	8.433	ng	#	97
58) Fluorene	15.469	166	448037	9.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	133086	9.351	ng		98
60) Diethylphthalate	15.239	149	426265	9.387	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	232768	8.992	ng		94
62) 4-Nitroaniline	15.480	138	82838	8.354	ng		95
63) Azobenzene	15.757	77	364112	9.366	ng		98
65) 4,6-Dinitro-2-methylph...	15.545	198	60497	7.490	ng		92
66) n-Nitrosodiphenylamine	15.674	169	370438	9.657	ng		98
67) 4-Bromophenyl-phenylether	16.357	248	135983	9.139	ng		99
68) Hexachlorobenzene	16.474	284	160142	9.383	ng		95
69) Atrazine	16.627	200	113289	11.391	ng		99
70) Pentachlorophenol	16.821	266	119030	9.473	ng		99
71) Phenanthrene	17.204	178	660141	9.394	ng		100
72) Anthracene	17.298	178	643575	9.294	ng		100
73) Carbazole	17.568	167	610225	9.356	ng		100
74) Di-n-butylphthalate	18.133	149	717993	9.557	ng		99
75) Fluoranthene	19.221	202	772987	8.947	ng		98
77) Benzidine	19.404	184	162949	9.814	ng		98
78) Pyrene	19.586	202	800964	9.286	ng		100
80) Butylbenzylphthalate	20.486	149	312899	9.654	ng		99
81) Benzo(a)anthracene	21.386	228	767126	9.223	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	281424	8.960	ng		98
83) Chrysene	21.445	228	734074	9.283	ng		100
84) Bis(2-ethylhexyl)phtha...	21.309	149	467613	9.903	ng		99
85) Di-n-octyl phthalate	22.445	149	805410	9.750	ng		100
87) Indeno(1,2,3-cd)pyrene	27.785	276	931006	9.177	ng		99
88) Benzo(b)fluoranthene	23.456	252	787043	9.055	ng		99
89) Benzo(k)fluoranthene	23.515	252	763407	9.063	ng		99
90) Benzo(a)pyrene	24.262	252	698269	9.142	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	767800	9.188	ng		98
92) Benzo(g,h,i)perylene	28.832	276	802183	9.394	ng		99

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

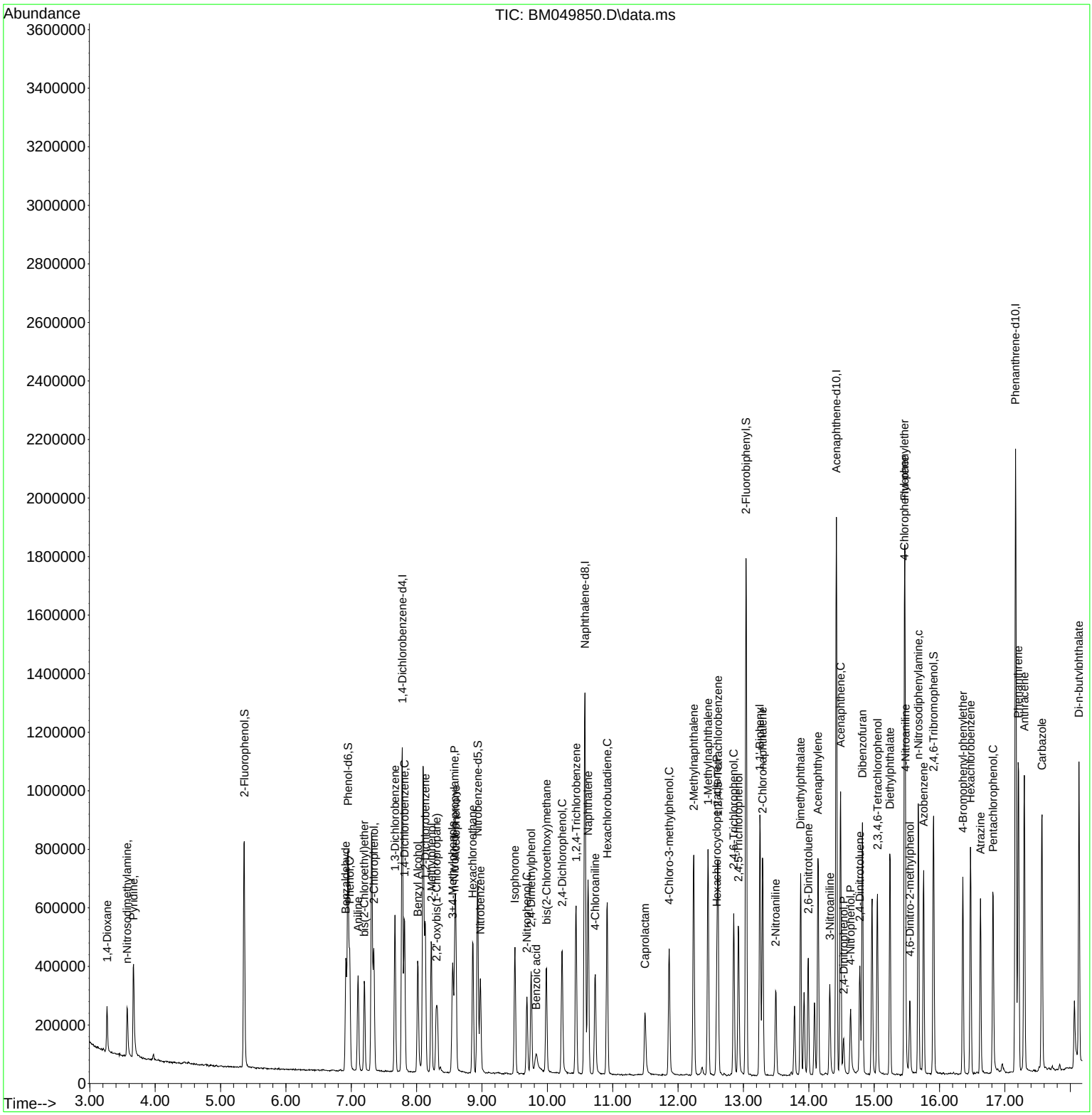
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



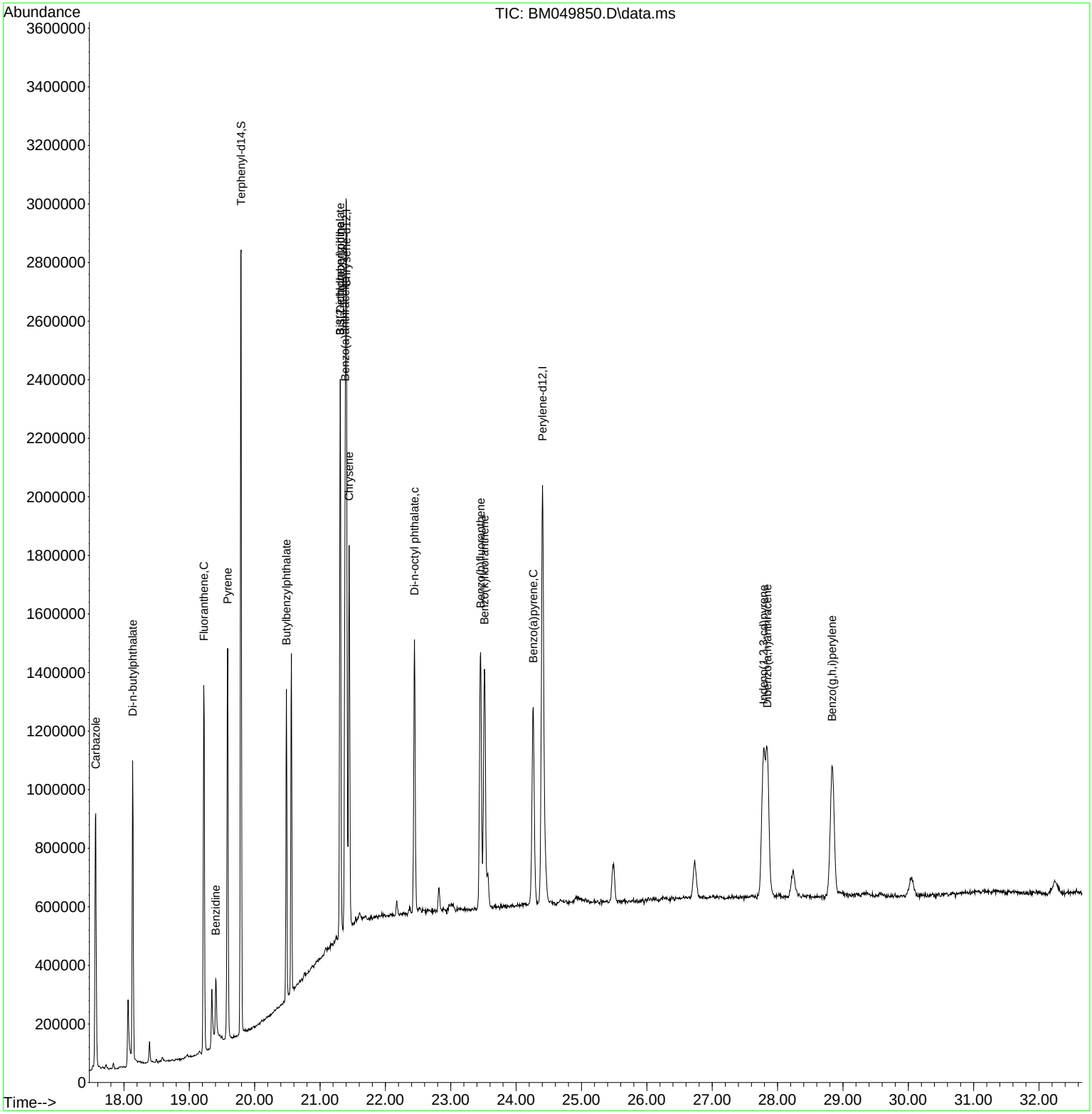
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

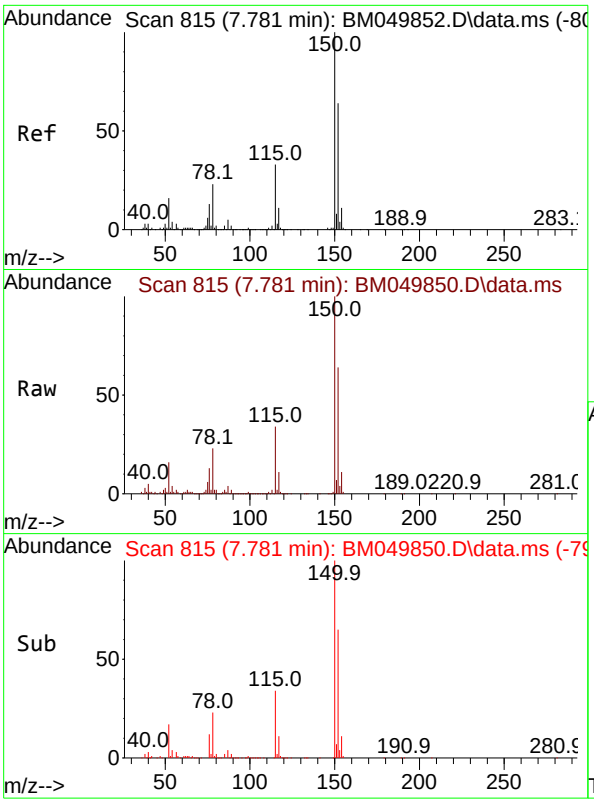
Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

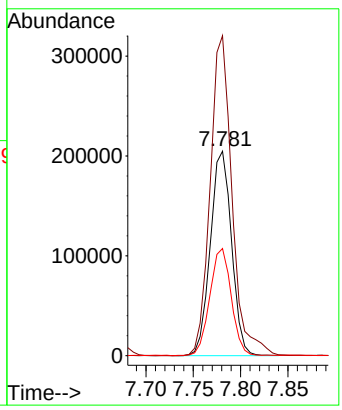




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 31899

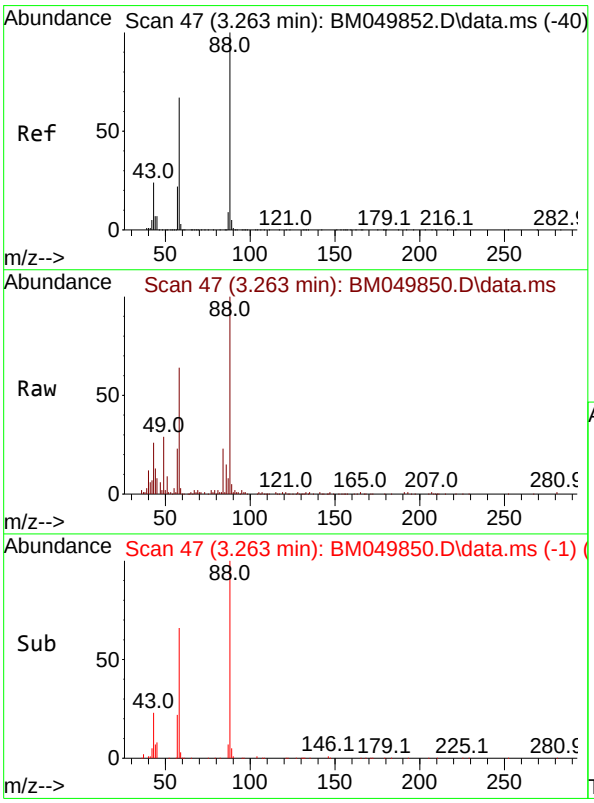
Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	52.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

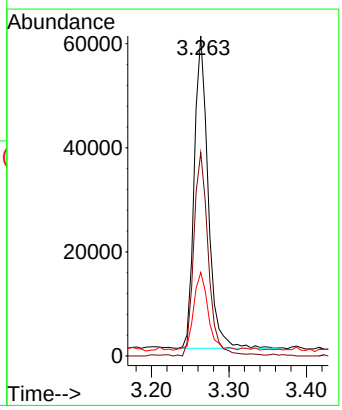
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

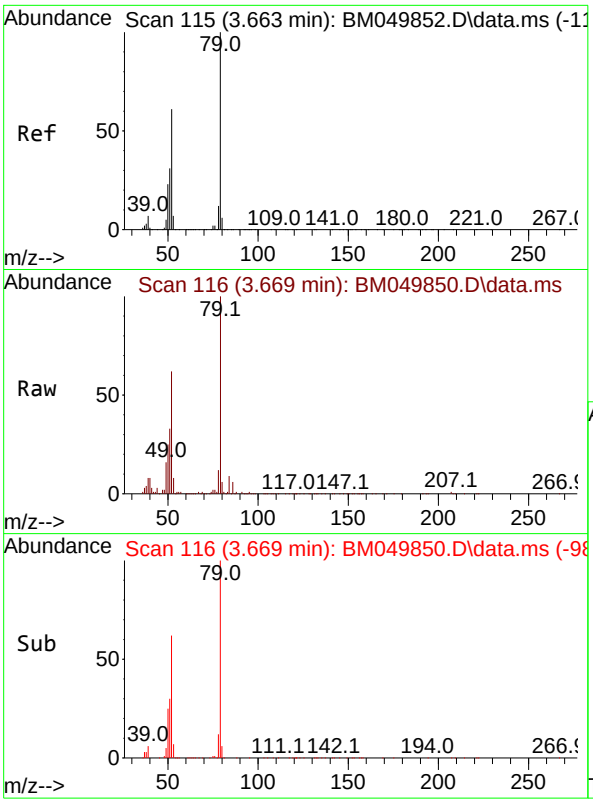


#2
1,4-Dioxane
Concen: 9.687 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 88 Resp: 74941

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	25.7	20.2	30.4

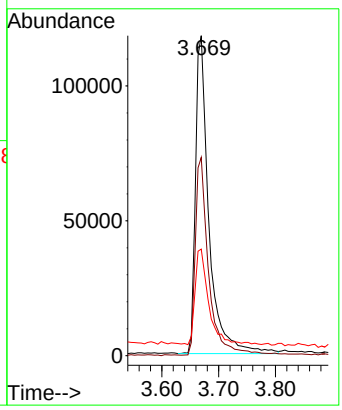




#3
Pyridine
Concen: 9.574 ng
RT: 3.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 79 Resp: 19453

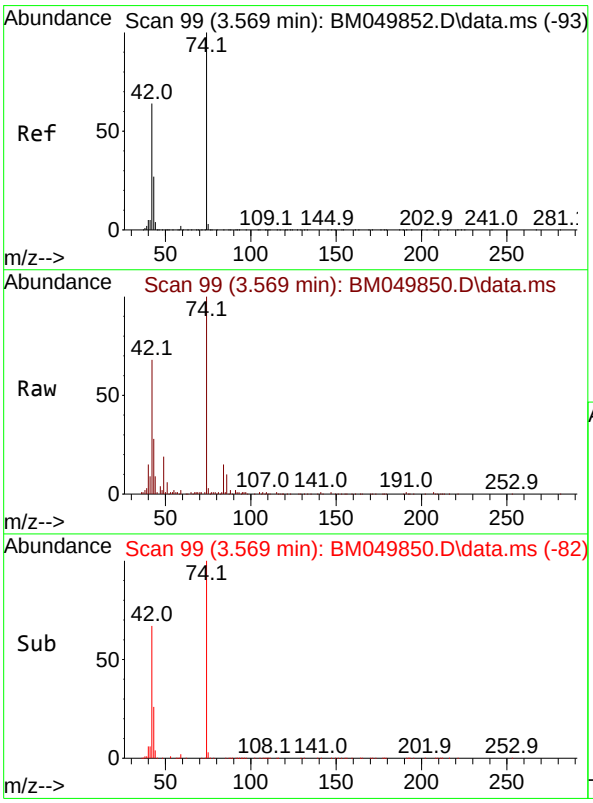
Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.9	73.3
51	33.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

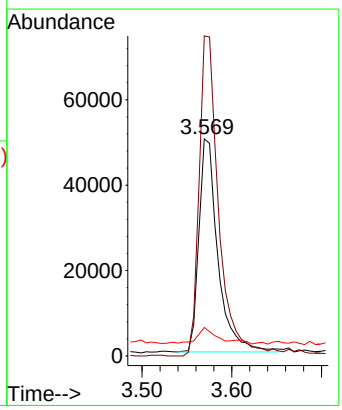
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

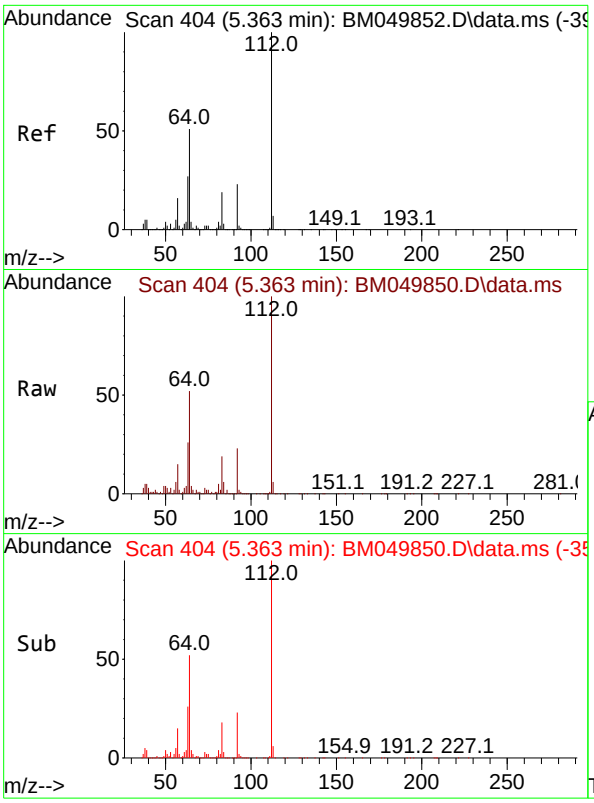


#4
n-Nitrosodimethylamine
Concen: 9.503 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 42 Resp: 73514

Ion	Ratio	Lower	Upper
42	100		
74	147.4	125.4	188.2
44	13.1	5.9	8.9#

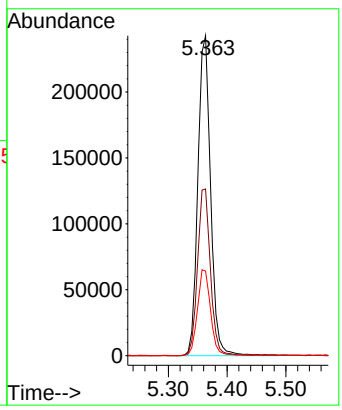




#5
2-Fluorophenol
Concen: 19.426 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:112 Resp: 36492

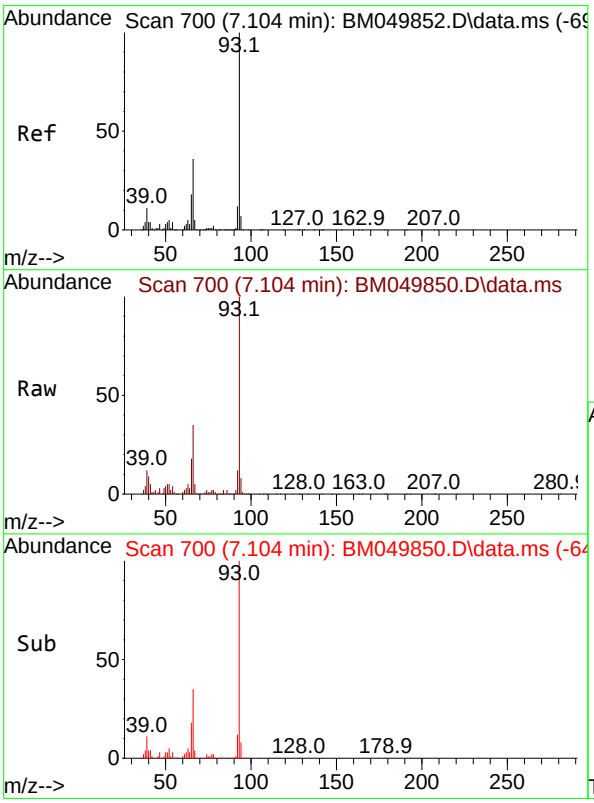
Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	26.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

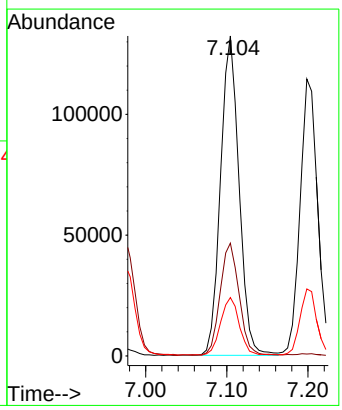
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

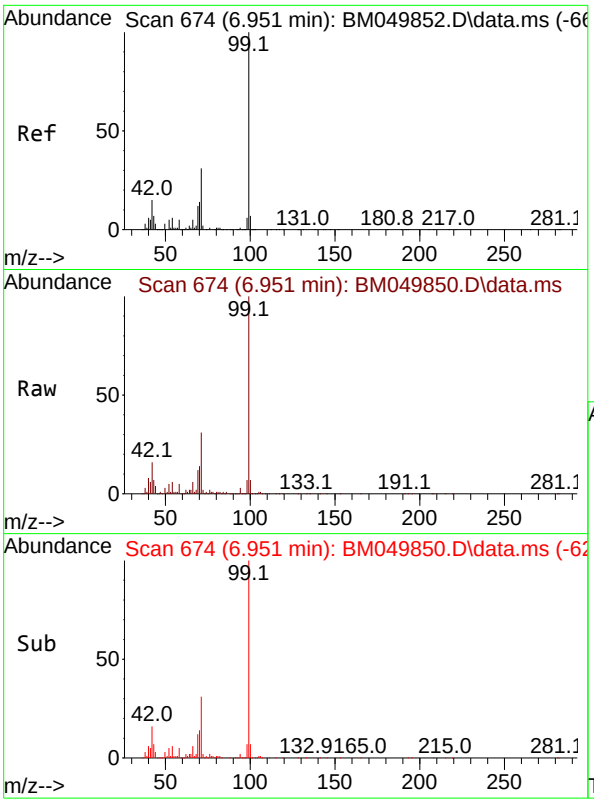


#6
Aniline
Concen: 10.473 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 209739

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.2	14.9	22.3

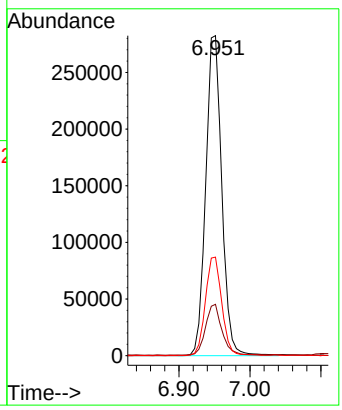




#7
Phenol-d6
Concen: 19.001 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 99 Resp: 44409

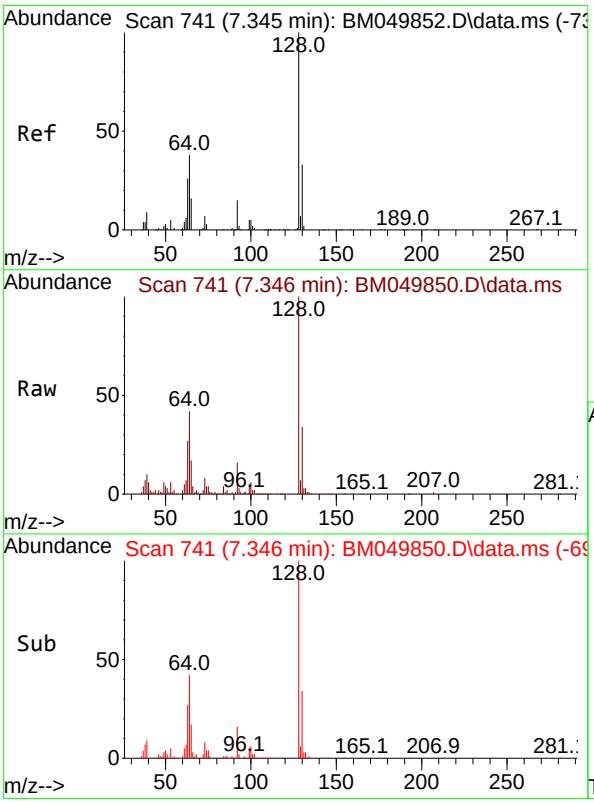
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.1	18.1
71	30.8	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

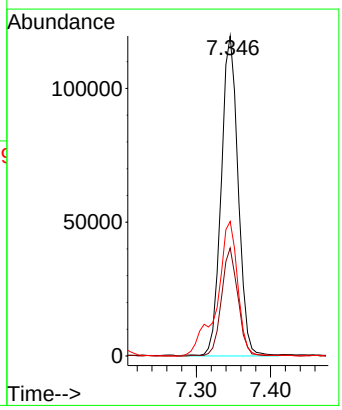
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

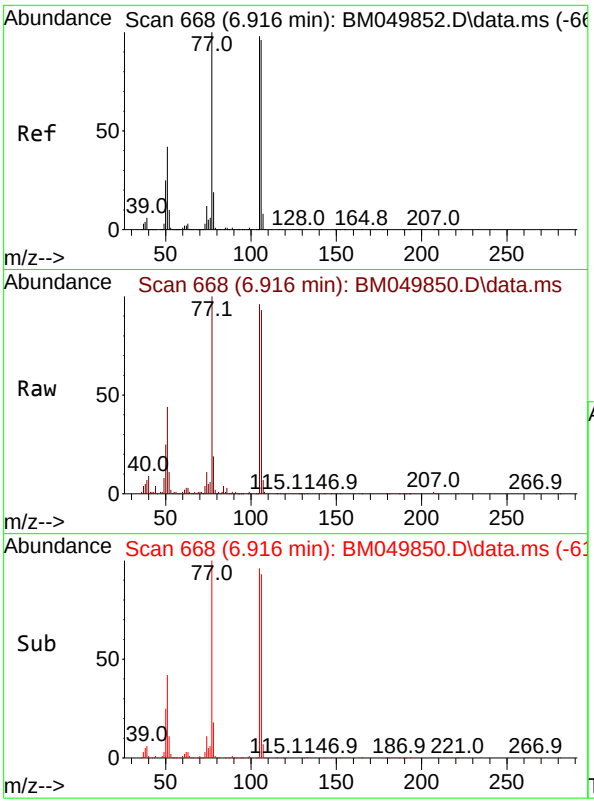


#8
2-Chlorophenol
Concen: 9.867 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 189954

Ion	Ratio	Lower	Upper
128	100		
130	33.7	12.6	52.6
64	42.1	21.1	61.1

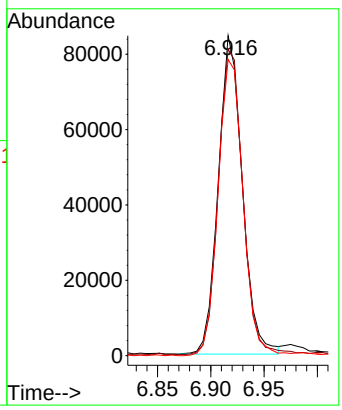




#9
Benzaldehyde
Concen: 11.041 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 13231

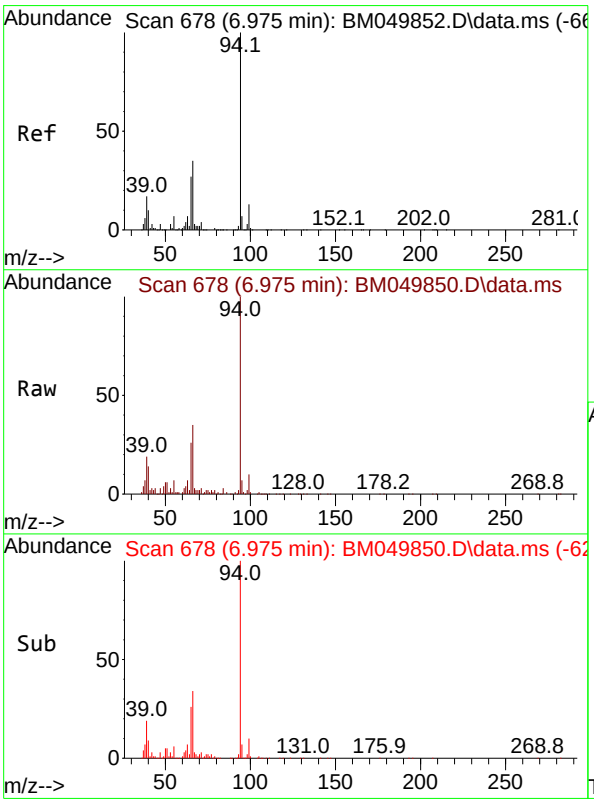
Ion	Ratio	Lower	Upper
77	100		
105	95.7	78.3	118.3
106	92.6	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

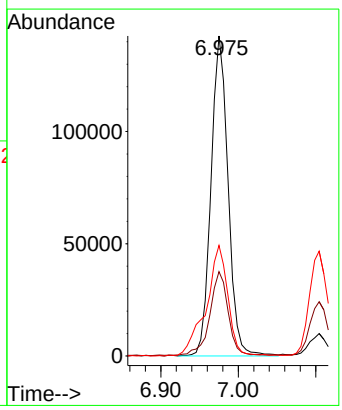
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

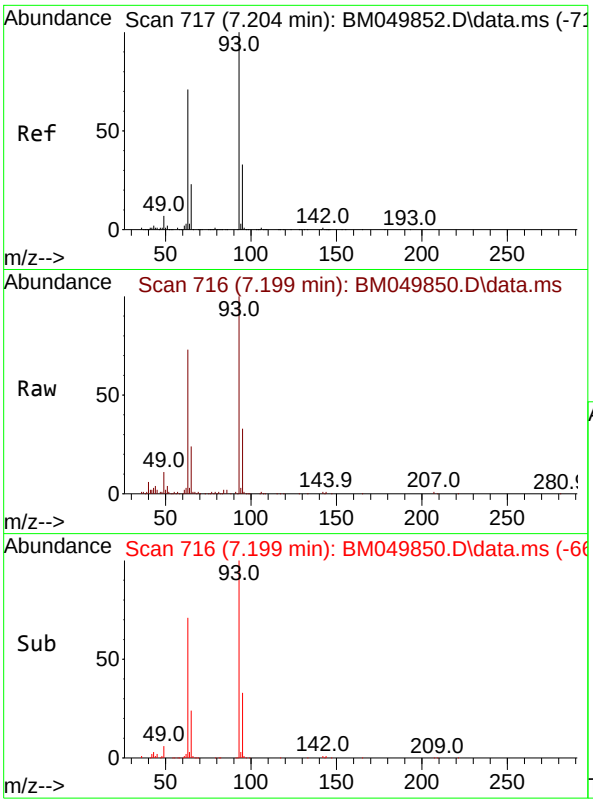


#10
Phenol
Concen: 9.579 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 94 Resp: 218482

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	34.6	14.8	54.8

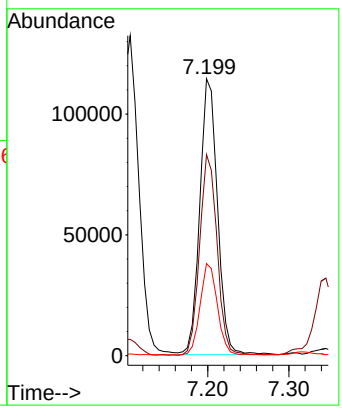




#11
bis(2-Chloroethyl)ether
Concen: 9.669 ng
RT: 7.199 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 17295

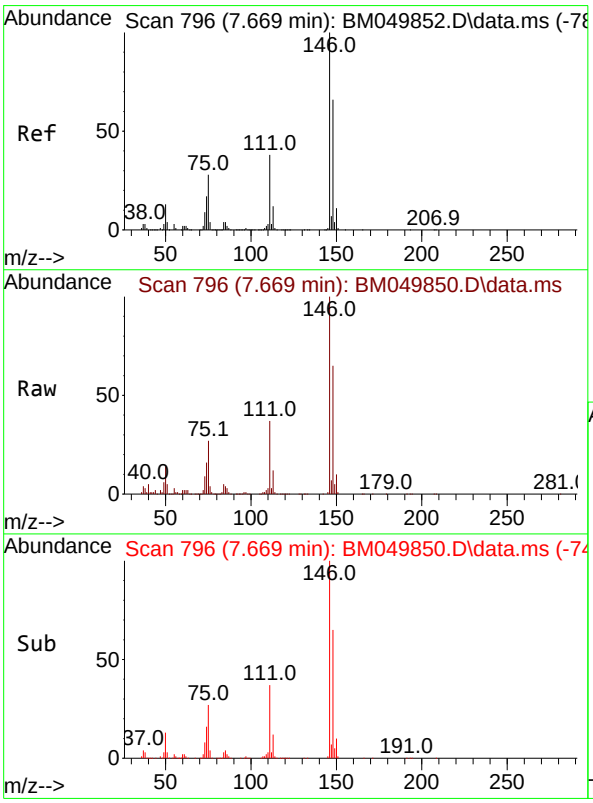
Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.3	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

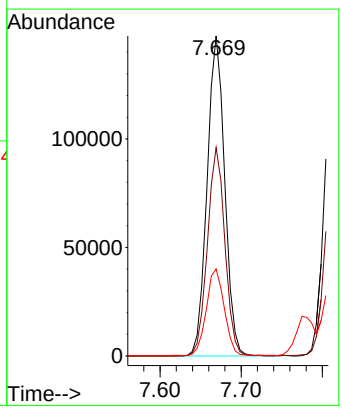
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

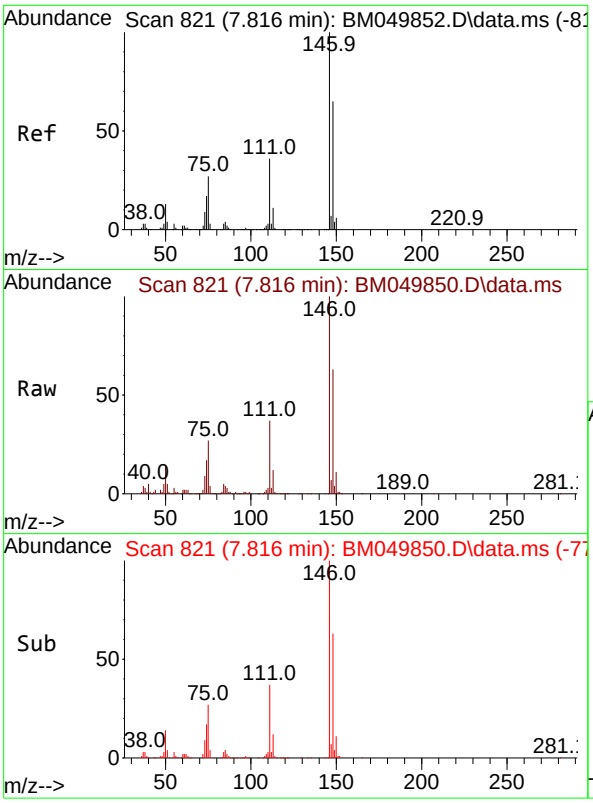


#12
1,3-Dichlorobenzene
Concen: 9.749 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 221893

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.5	78.7
75	27.2	22.5	33.7

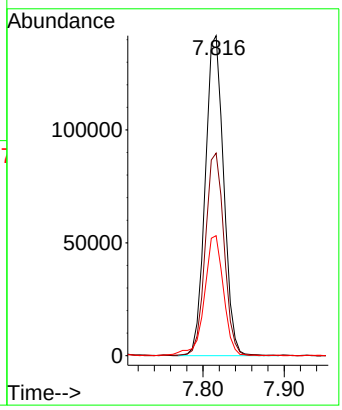




#13
1,4-Dichlorobenzene
Concen: 9.740 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 22306

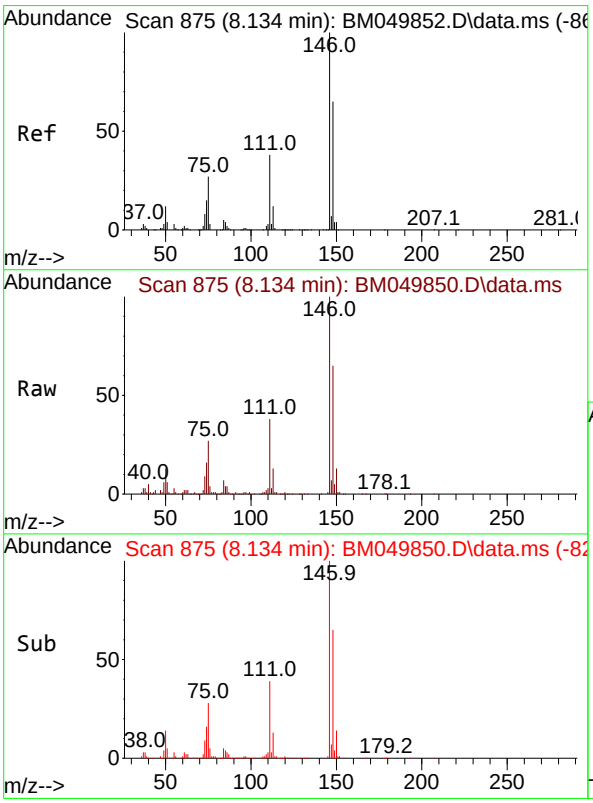
Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.4	78.6
111	37.5	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

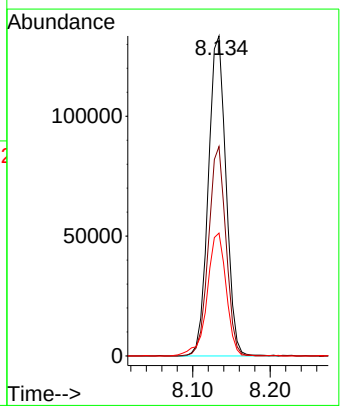
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

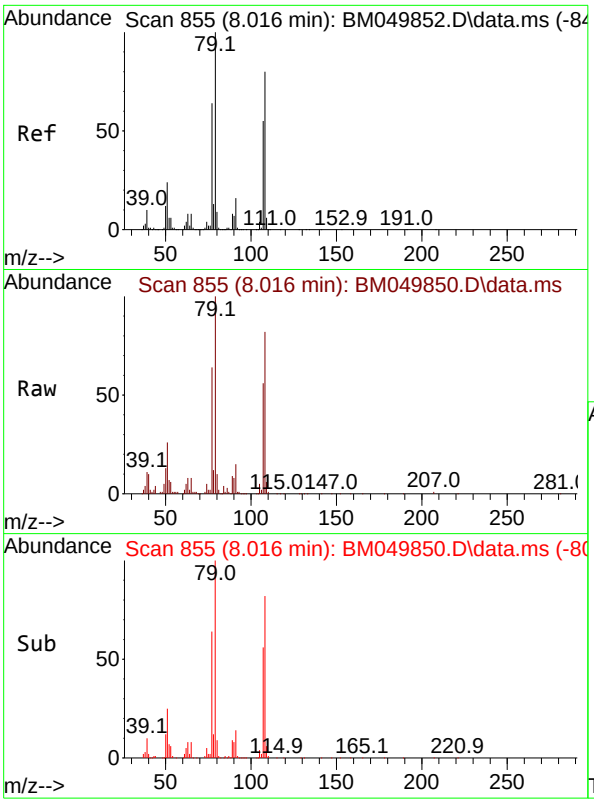


#14
1,2-Dichlorobenzene
Concen: 9.800 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 211403

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	38.4	30.2	45.4





#15
Benzyl Alcohol
Concen: 9.285 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

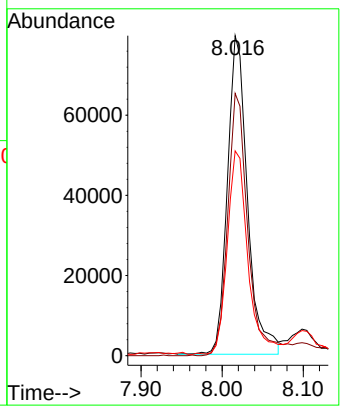
Tgt Ion: 79 Resp: 13665

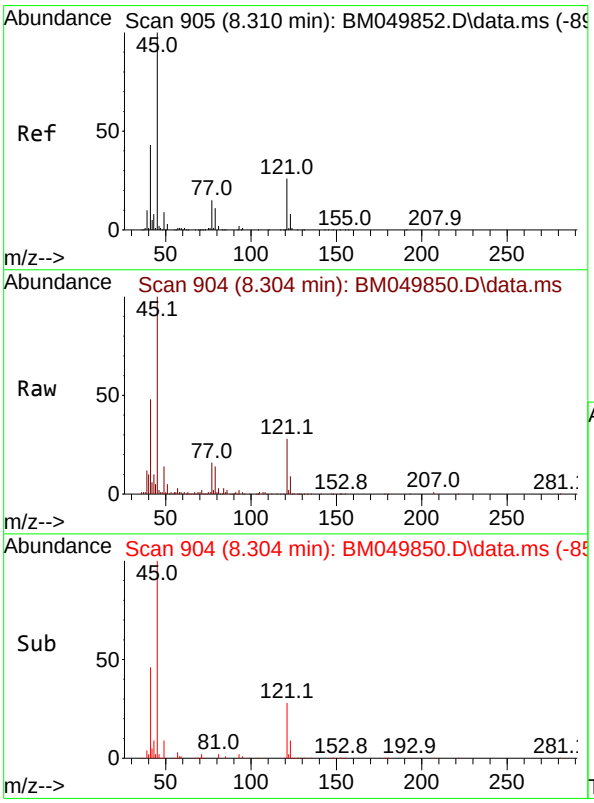
Ion	Ratio	Lower	Upper
79	100		
108	82.0	63.6	95.4
77	64.0	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

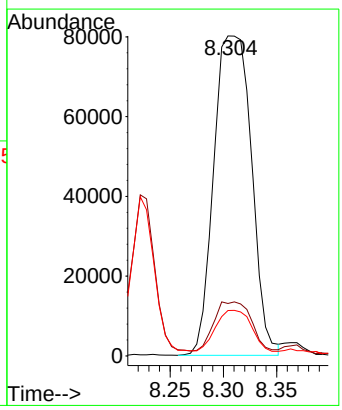


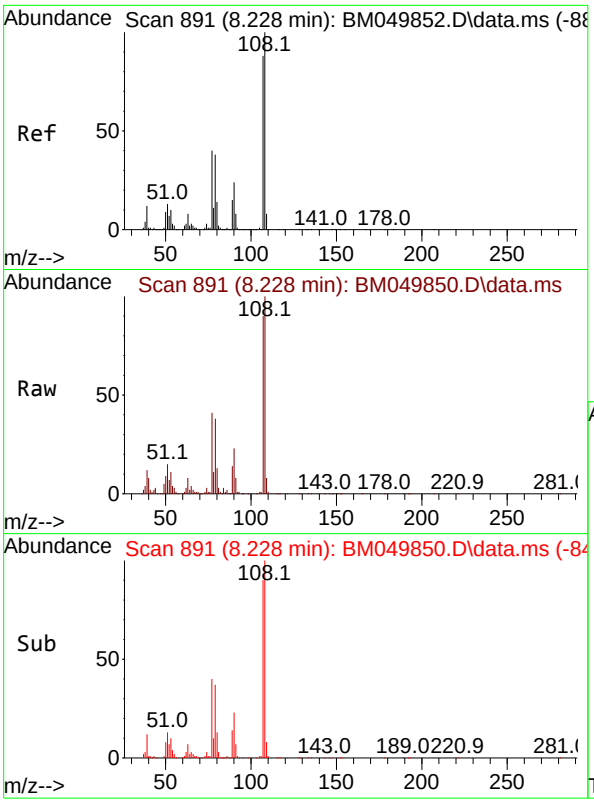


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.884 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 45 Resp: 197037

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	14.2	0.0	32.9

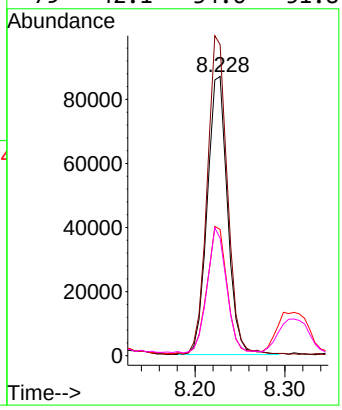




#17
2-Methylphenol
Concen: 9.709 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 13646

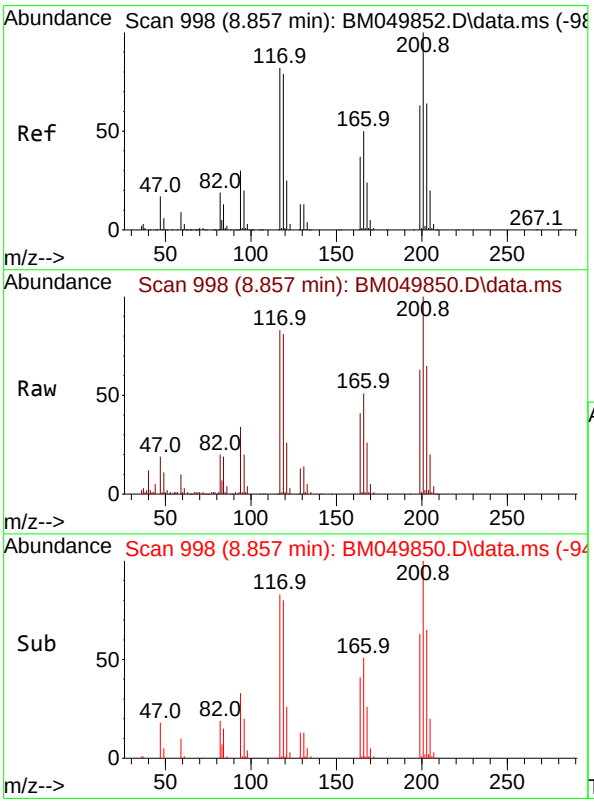
Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.6
77	45.2	36.5	54.7
79	42.1	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

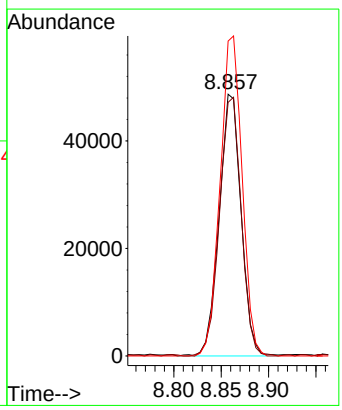
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

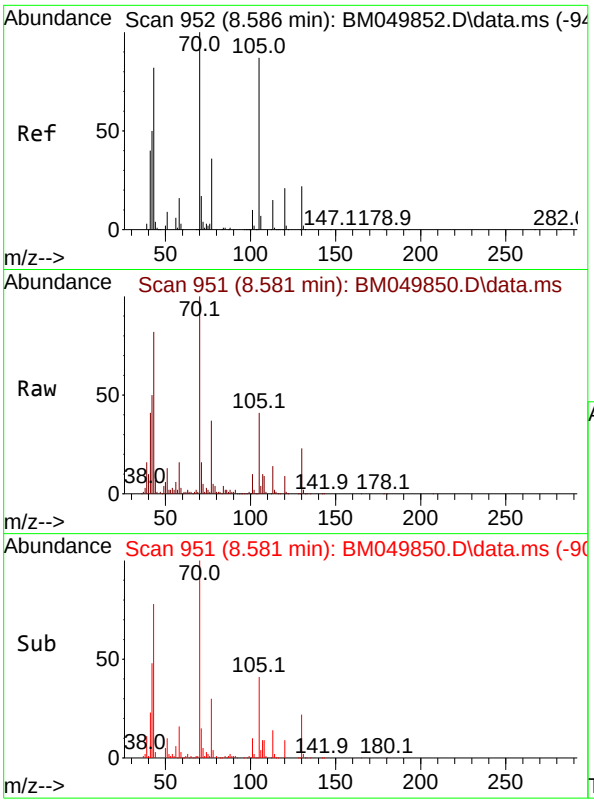


#18
Hexachloroethane
Concen: 9.888 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:117 Resp: 78782

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	120.3	97.7	146.5

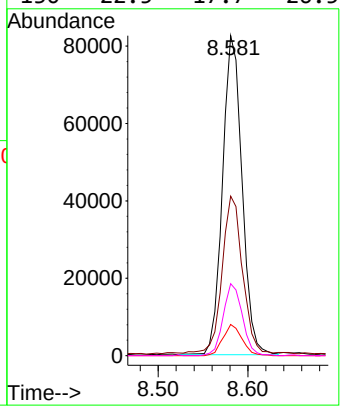




#19
n-Nitroso-di-n-propylamine
Concen: 9.644 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 70 Resp: 12484

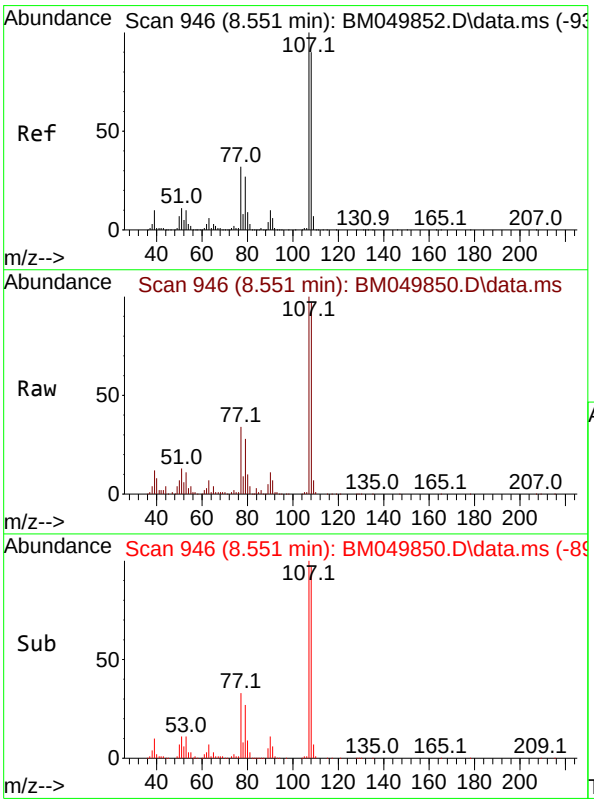
Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.7	7.9	11.9
130	22.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

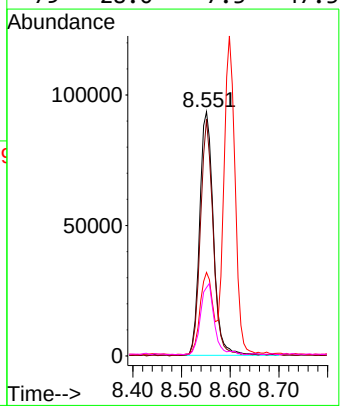
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

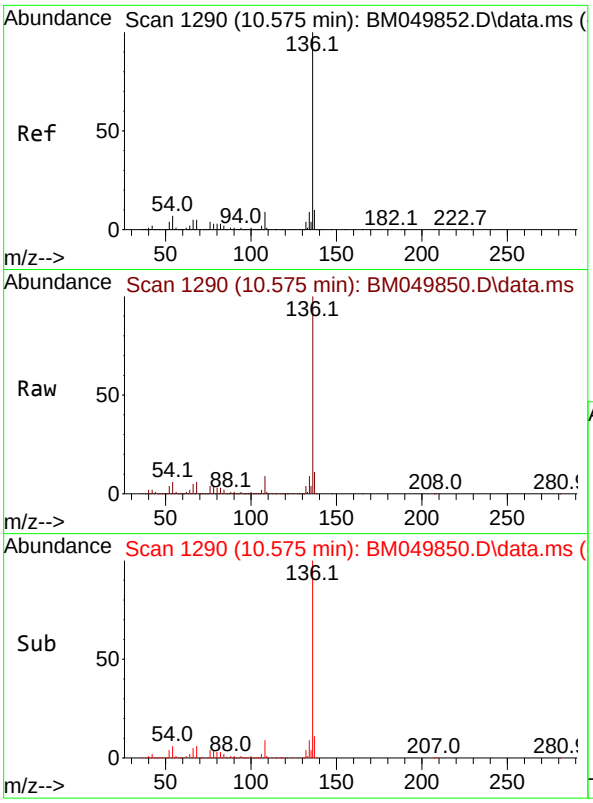


#20
3+4-Methylphenols
Concen: 9.506 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 182163

Ion	Ratio	Lower	Upper
107	100		
108	96.8	69.6	109.6
77	34.2	11.7	51.7
79	28.0	7.3	47.3

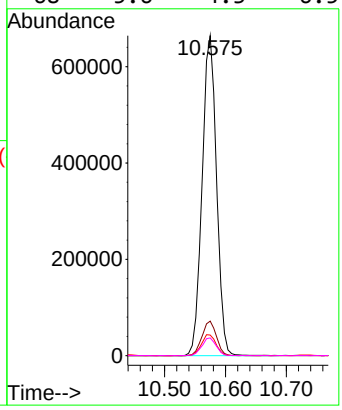




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:136 Resp: 109161

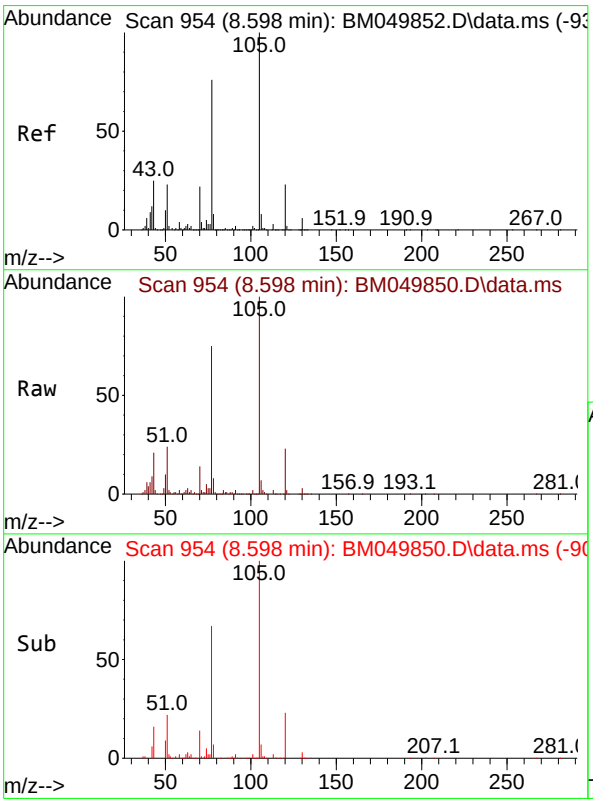
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.5	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

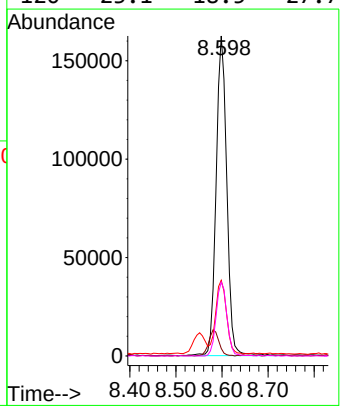
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

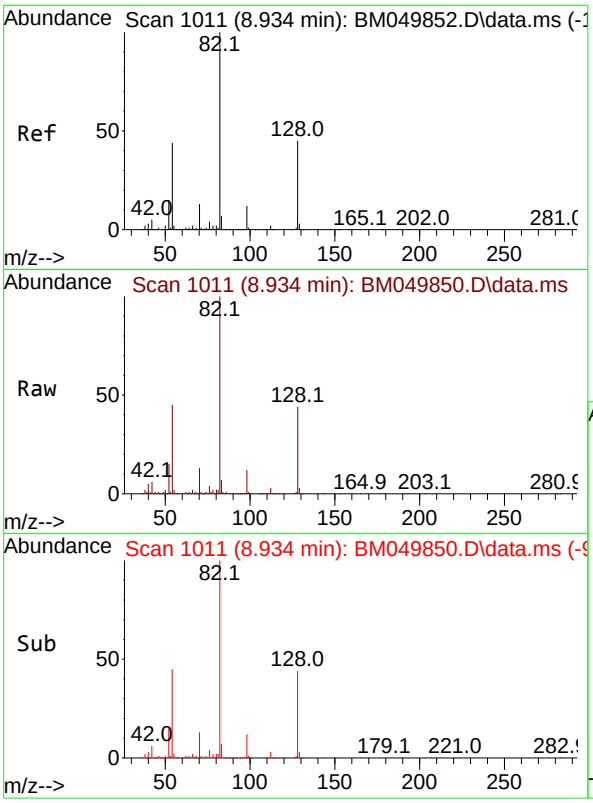


#22
Acetophenone
Concen: 9.821 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:105 Resp: 260553

Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.0	4.4#
51	23.7	18.6	27.8
120	23.1	18.5	27.7





#23
Nitrobenzene-d5
Concen: 19.130 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

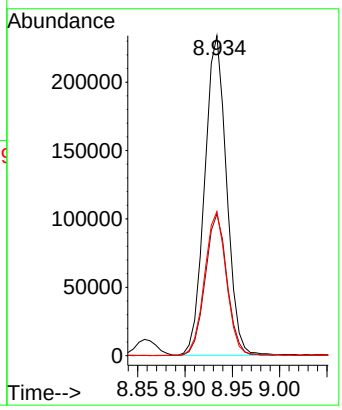
Tgt Ion: 82 Resp: 375019

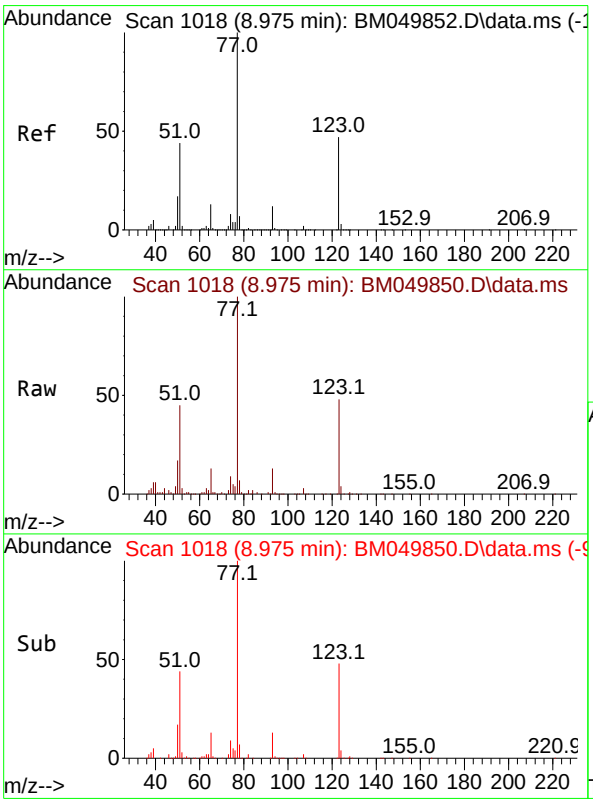
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.2	54.2
54	45.1	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

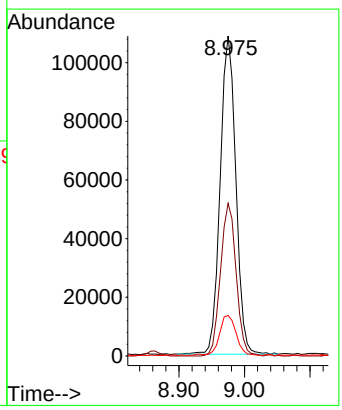


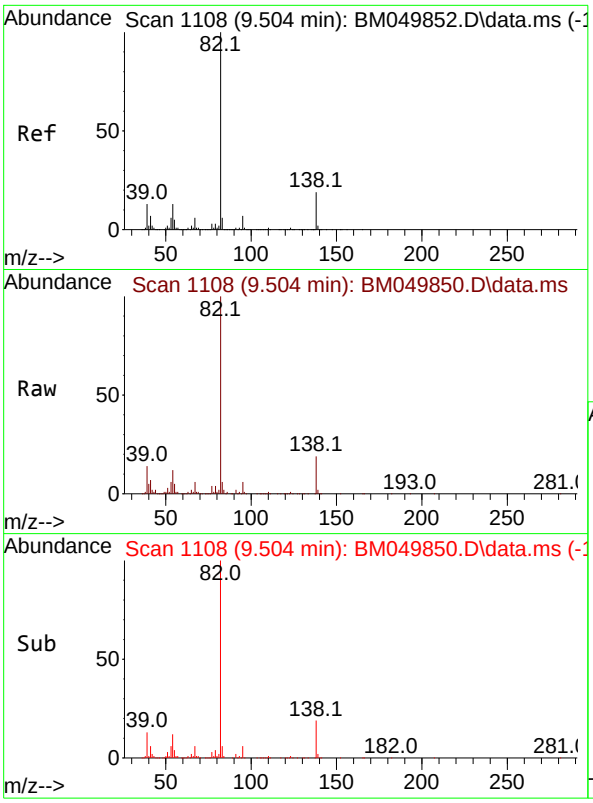


#24
Nitrobenzene
Concen: 9.513 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 179572

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.6	10.1	15.1

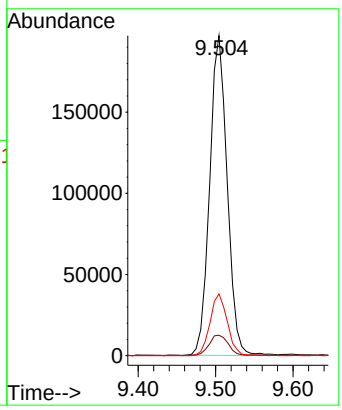




#25
Isophorone
Concen: 9.433 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 82 Resp: 30976

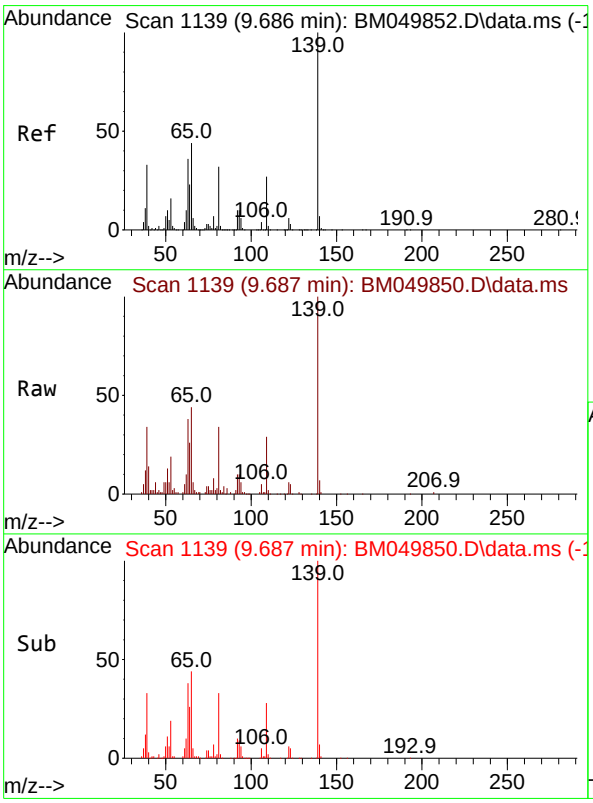
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.4	8.2
138	19.3	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

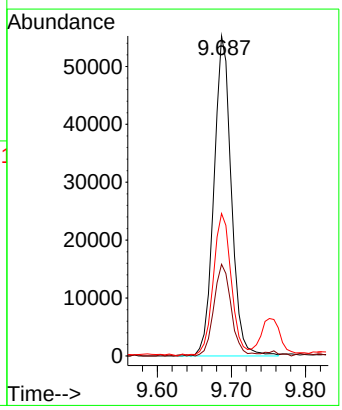
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

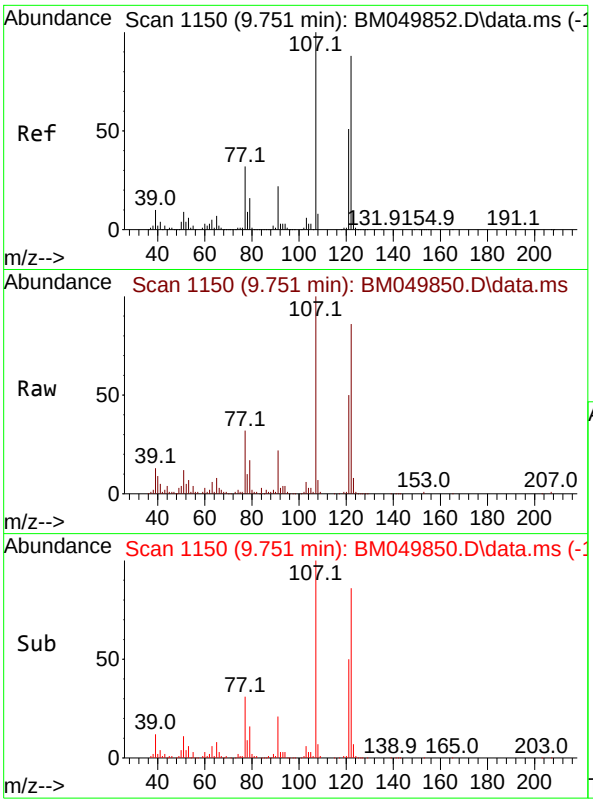


#26
2-Nitrophenol
Concen: 8.996 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 90001

Ion	Ratio	Lower	Upper
139	100		
109	28.6	21.7	32.5
65	44.5	35.2	52.8

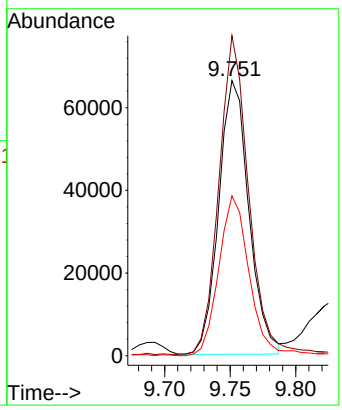




#27
2,4-Dimethylphenol
Concen: 9.341 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 10590

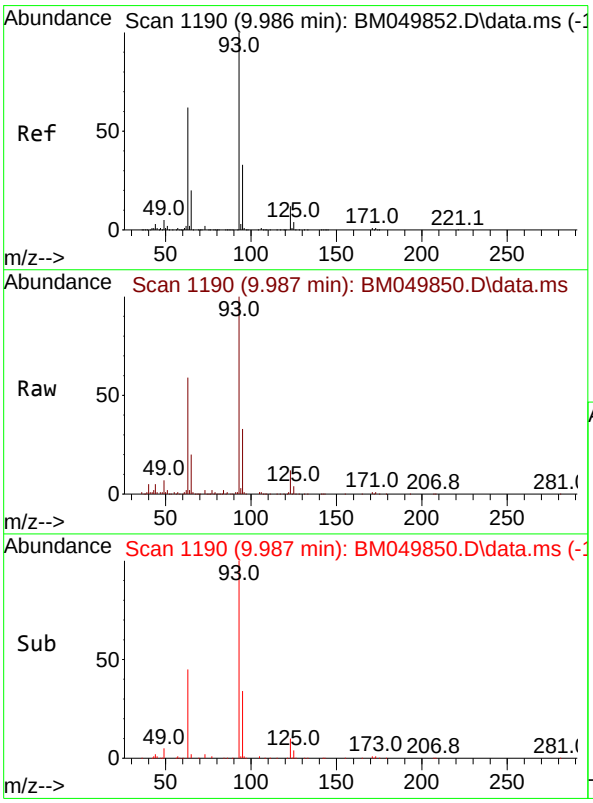
Ion	Ratio	Lower	Upper
122	100		
107	116.4	90.3	135.5
121	58.1	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

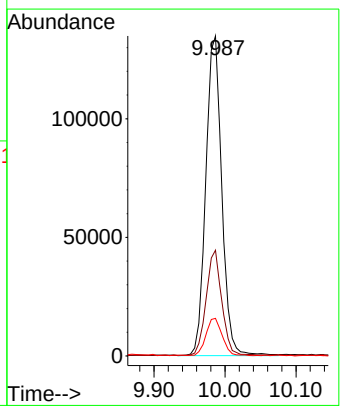
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

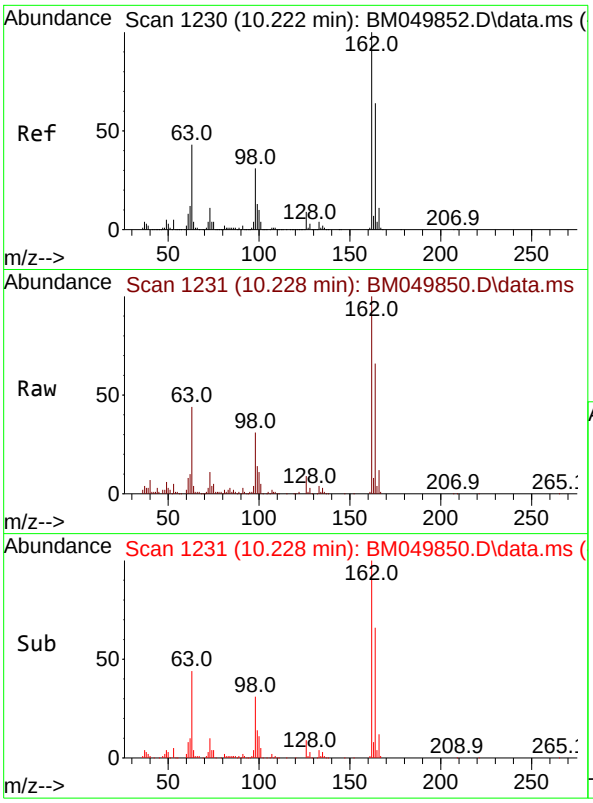


#28
bis(2-Chloroethoxy)methane
Concen: 9.587 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 210772

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	40.0
123	11.7	9.5	14.3

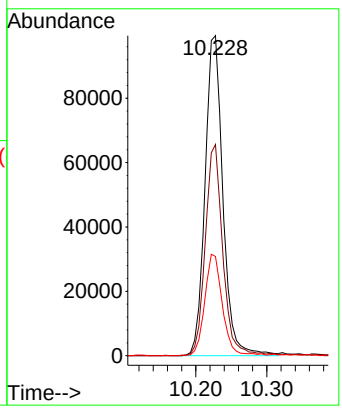




#29
2,4-Dichlorophenol
Concen: 9.254 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 17440

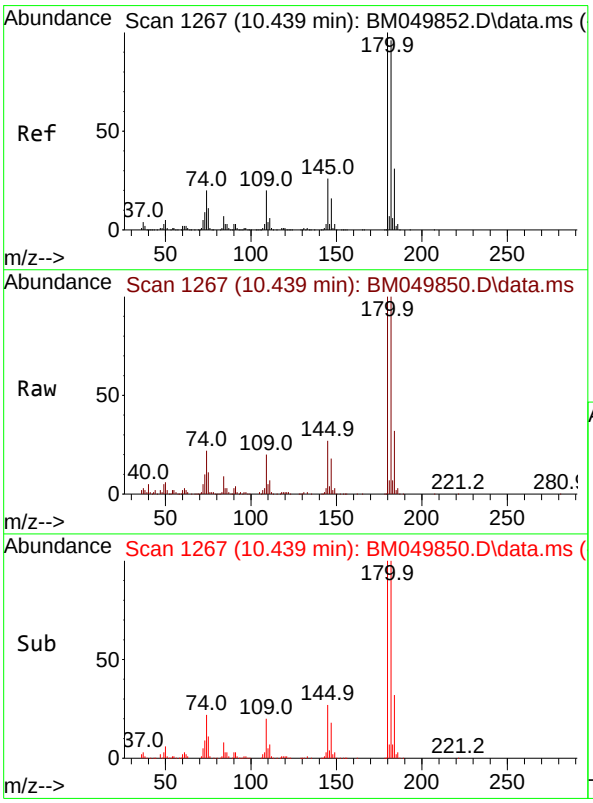
Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.3	84.3
98	31.0	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

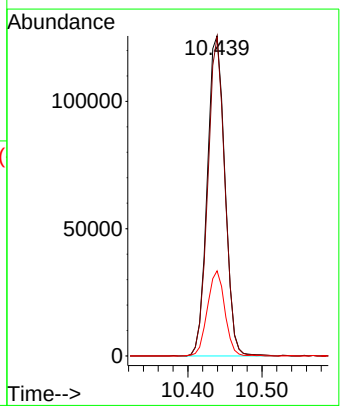
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

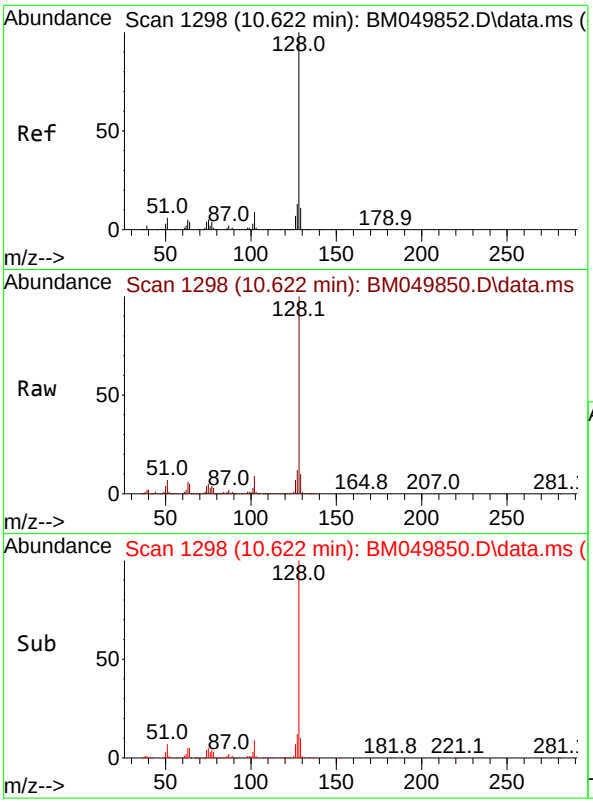


#30
1,2,4-Trichlorobenzene
Concen: 9.518 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:180 Resp: 207530

Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.7	115.1
145	26.6	20.8	31.2

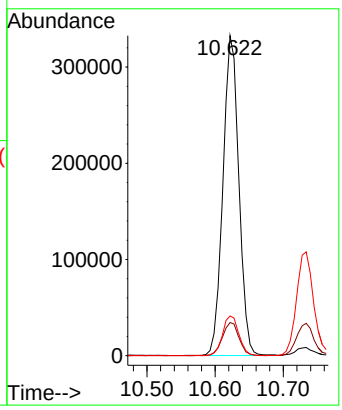




#31
Naphthalene
Concen: 9.630 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 54014

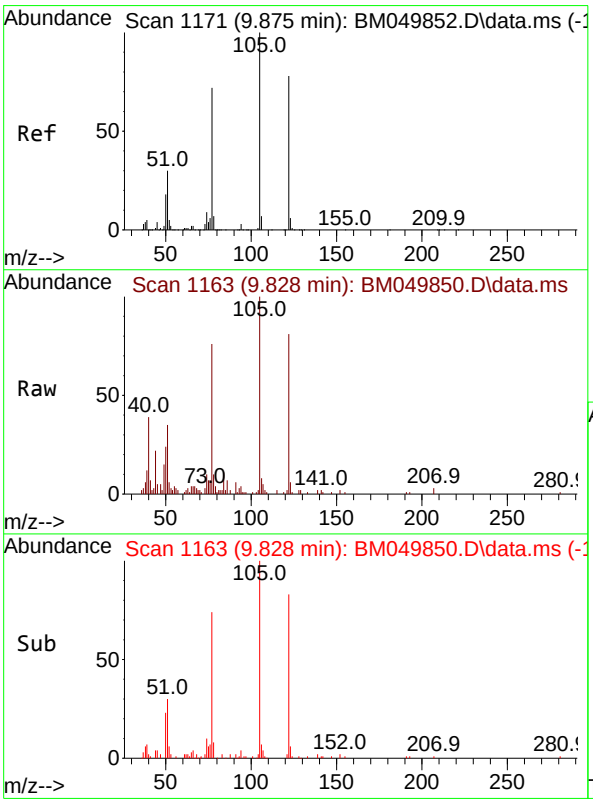
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

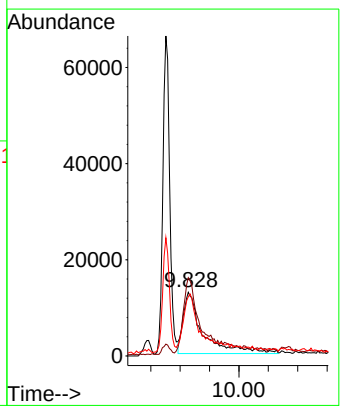
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

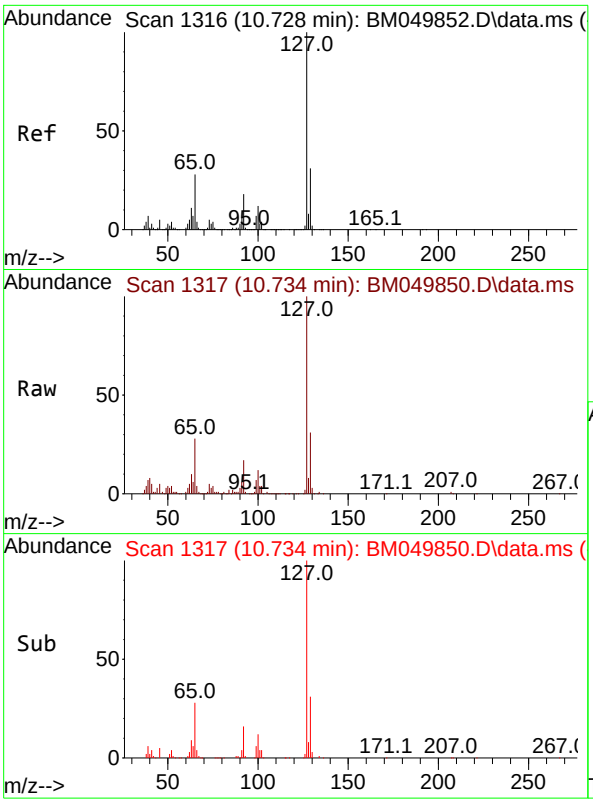


#32
Benzoic acid
Concen: 12.140 ng m
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 59585

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.8	143.8
77	93.1	70.7	110.7

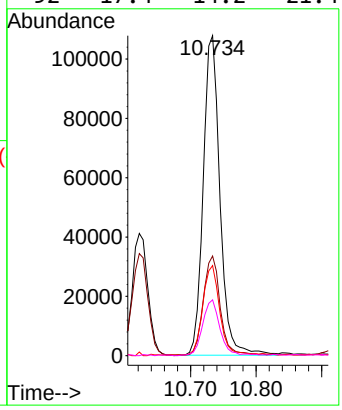




#33
4-Chloroaniline
Concen: 9.676 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:127 Resp: 19165

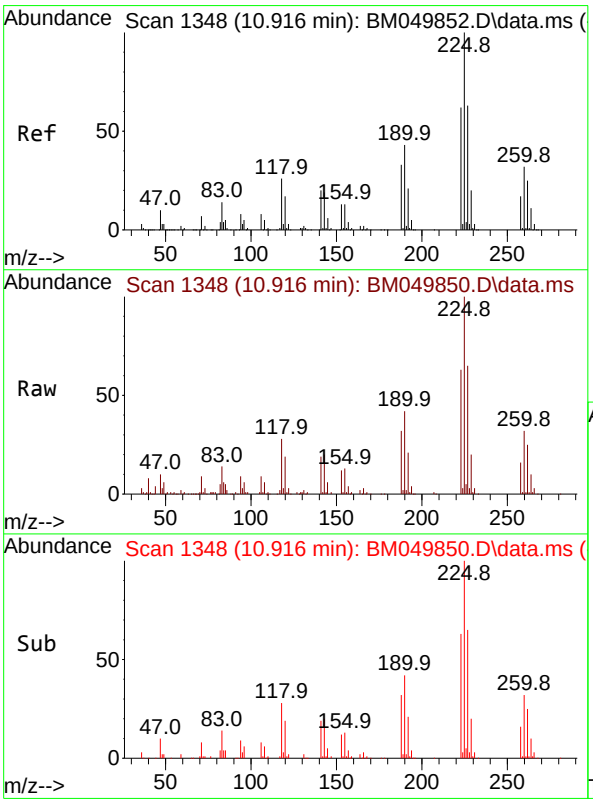
Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.2	22.4	33.6
92	17.4	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

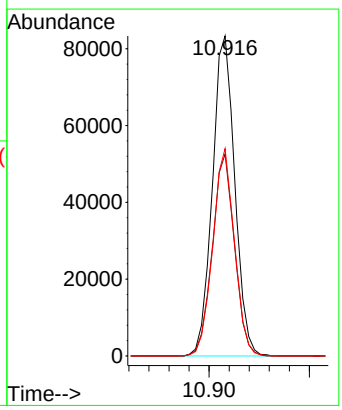
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

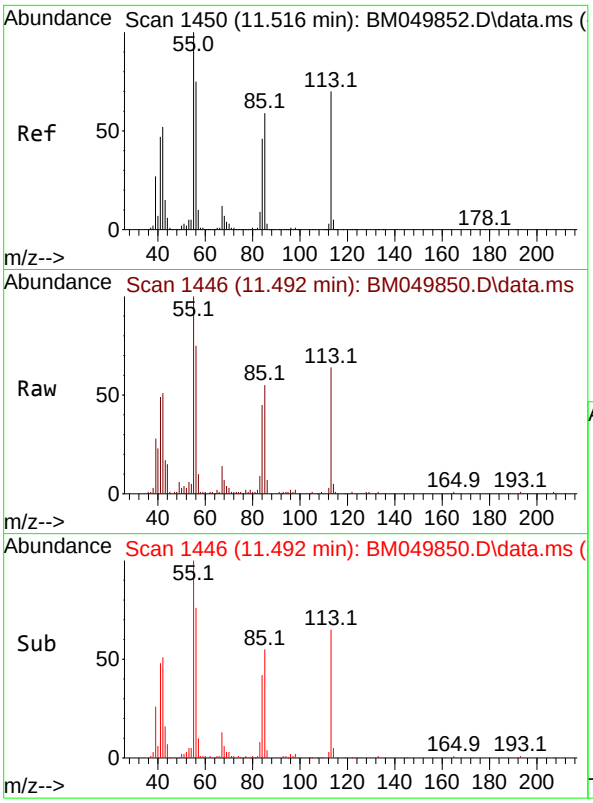


#34
Hexachlorobutadiene
Concen: 9.540 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:225 Resp: 128662

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	64.8	50.1	75.1





#35
Caprolactam
Concen: 8.944 ng
RT: 11.492 min Scan# 14
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

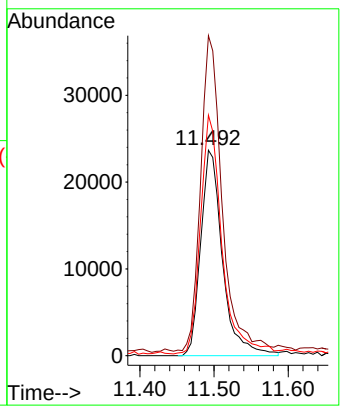
Tgt Ion:113 Resp: 4834

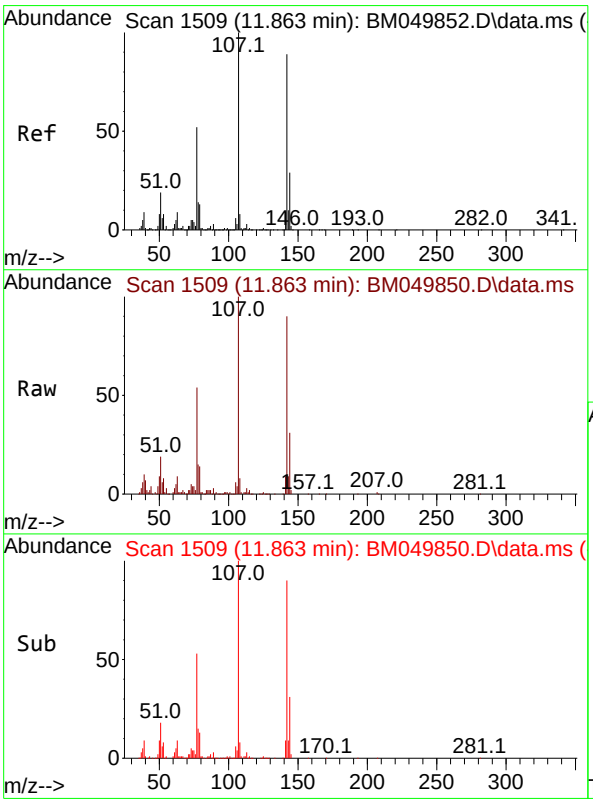
Ion	Ratio	Lower	Upper
113	100		
55	155.7	124.3	164.3
56	117.0	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

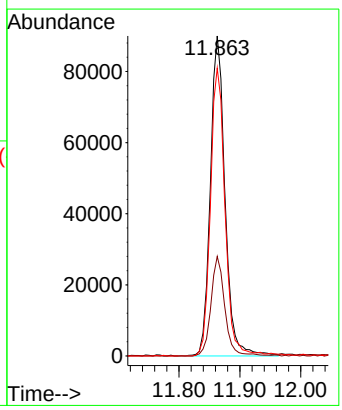


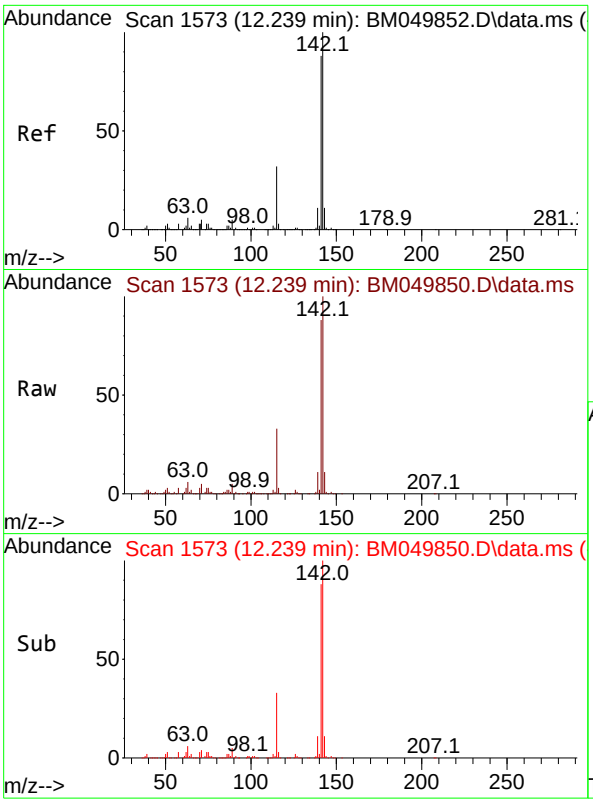


#36
4-Chloro-3-methylphenol
Concen: 9.138 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 150861

Ion	Ratio	Lower	Upper
107	100		
144	31.1	23.6	35.4
142	89.9	71.4	107.0

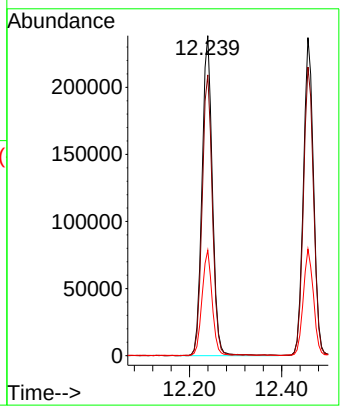




#37
2-Methylnaphthalene
Concen: 9.465 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 37407

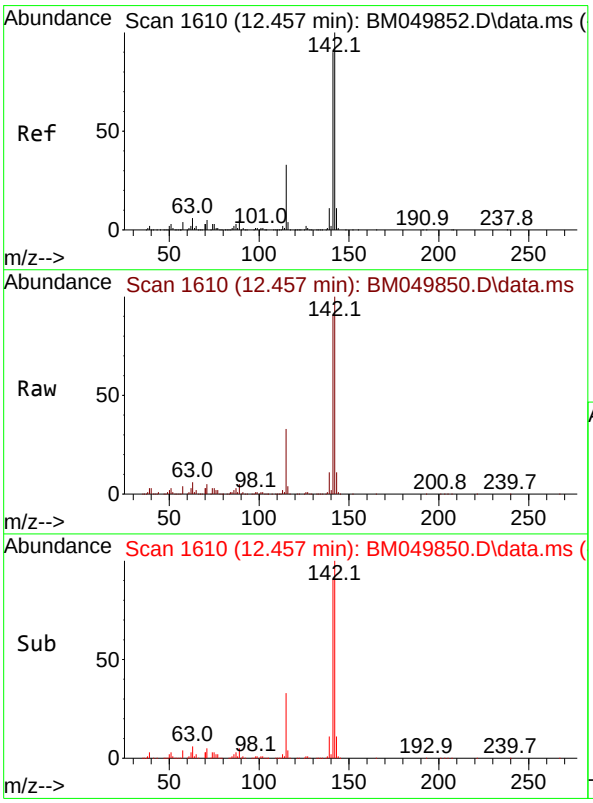
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	33.0	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

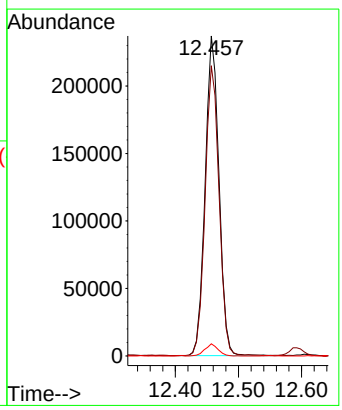
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

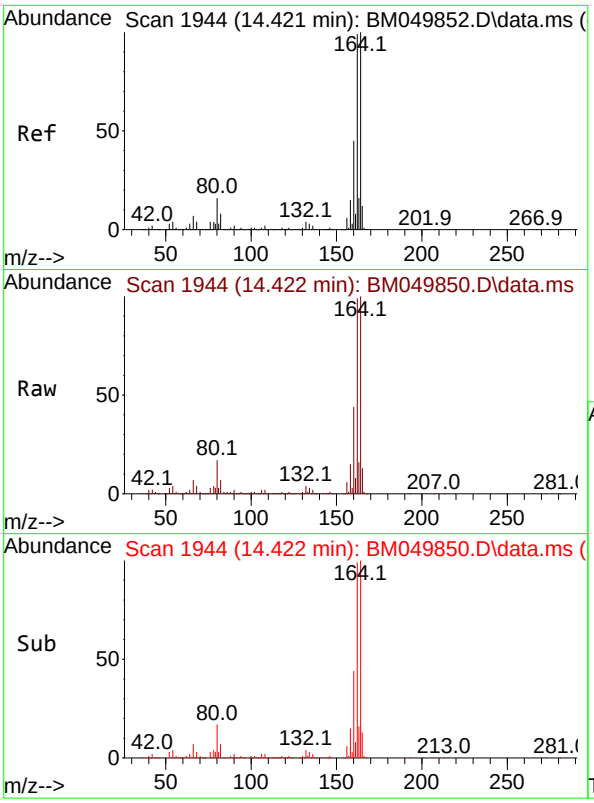


#38
1-Methylnaphthalene
Concen: 9.346 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 359844

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.2
116	3.8	2.9	4.3

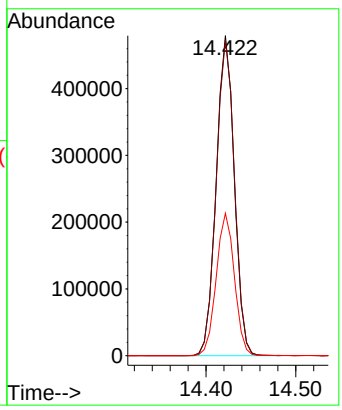




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:164 Resp: 67118

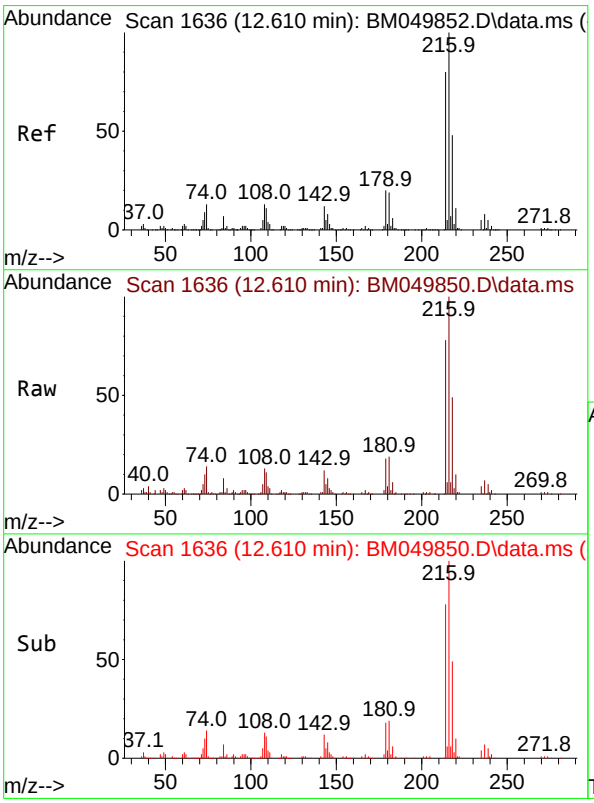
Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.5	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

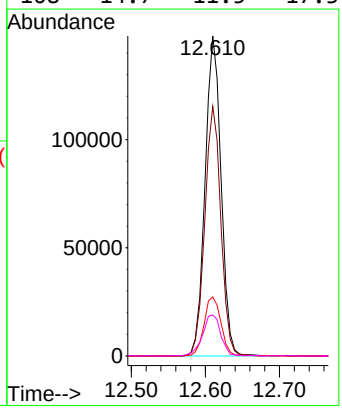
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

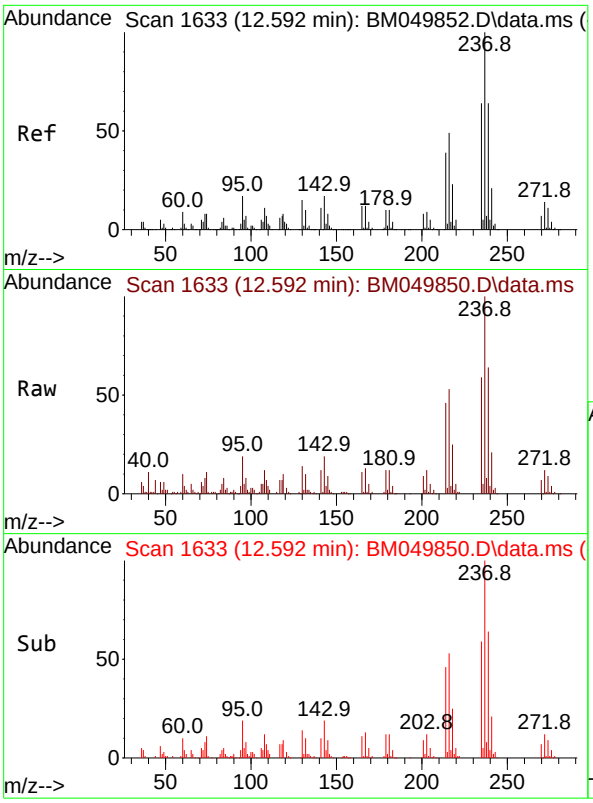


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.458 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:216 Resp: 222088

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.2	94.8
179	19.5	15.8	23.6
108	14.7	11.5	17.3

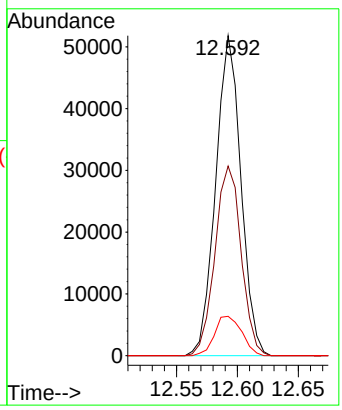




#41
Hexachlorocyclopentadiene
Concen: 9.083 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:237 Resp: 7473

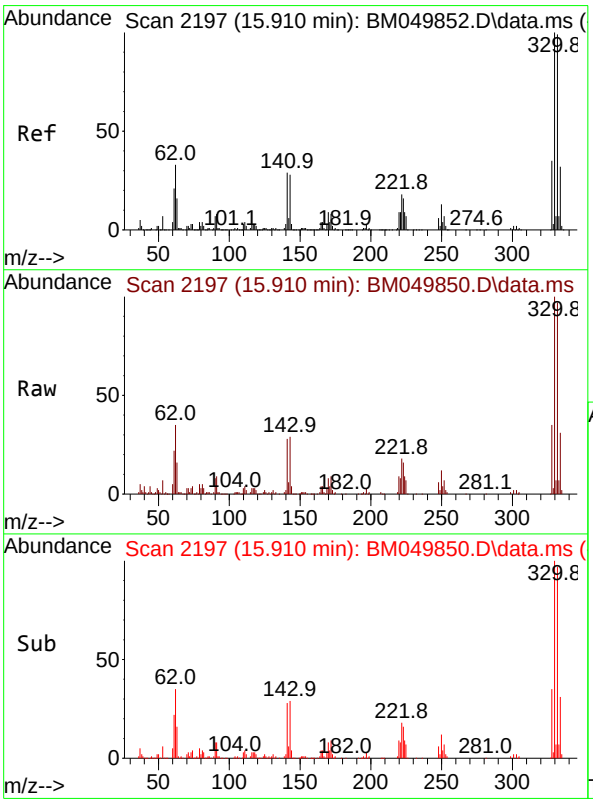
Ion	Ratio	Lower	Upper
237	100		
235	59.2	43.7	83.7
272	12.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

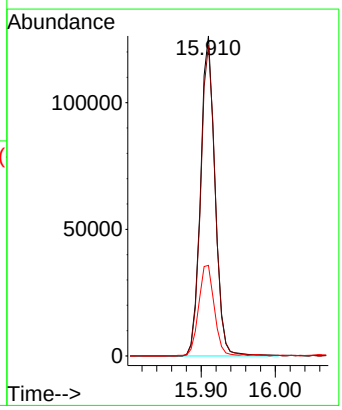
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

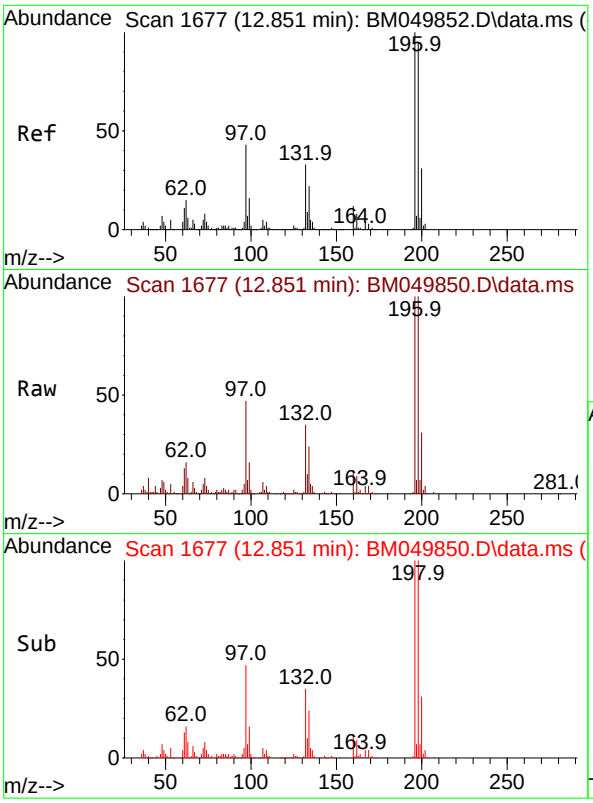


#42
2,4,6-Tribromophenol
Concen: 17.530 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:330 Resp: 171135

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	30.7	23.5	35.3

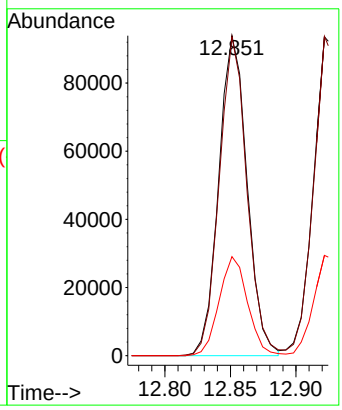




#43
2,4,6-Trichlorophenol
Concen: 9.442 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 14108

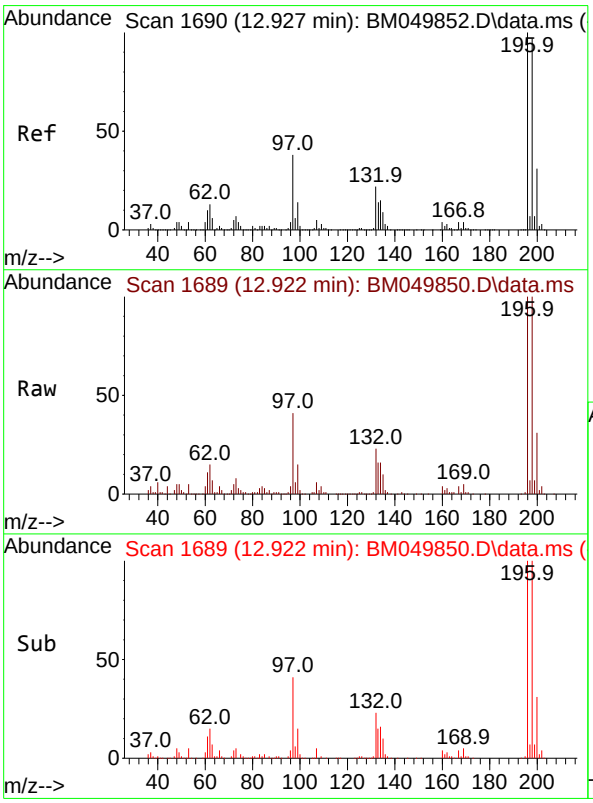
Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.1	114.1
200	31.0	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

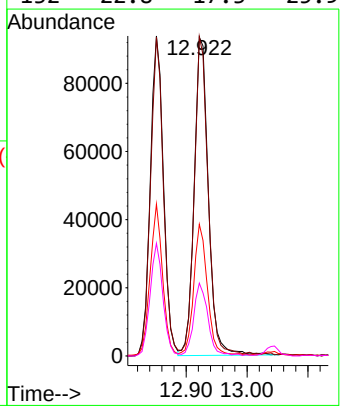
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

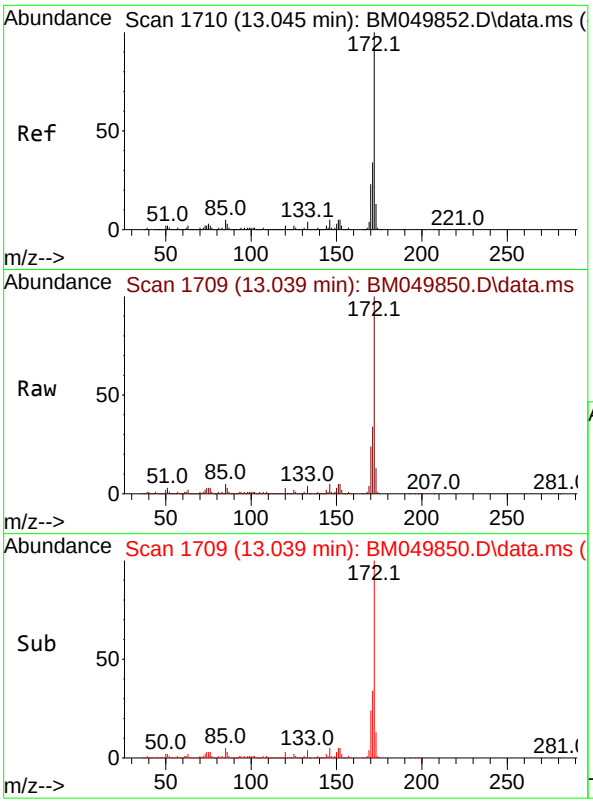


#44
2,4,5-Trichlorophenol
Concen: 9.342 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 151683

Ion	Ratio	Lower	Upper
196	100		
198	100.1	77.7	116.5
97	41.3	30.3	45.5
132	22.8	17.3	25.9

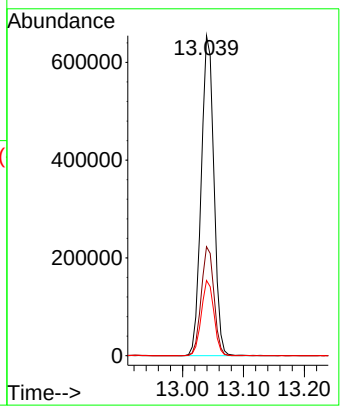




#45
2-Fluorobiphenyl
Concen: 19.175 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:172 Resp: 94912

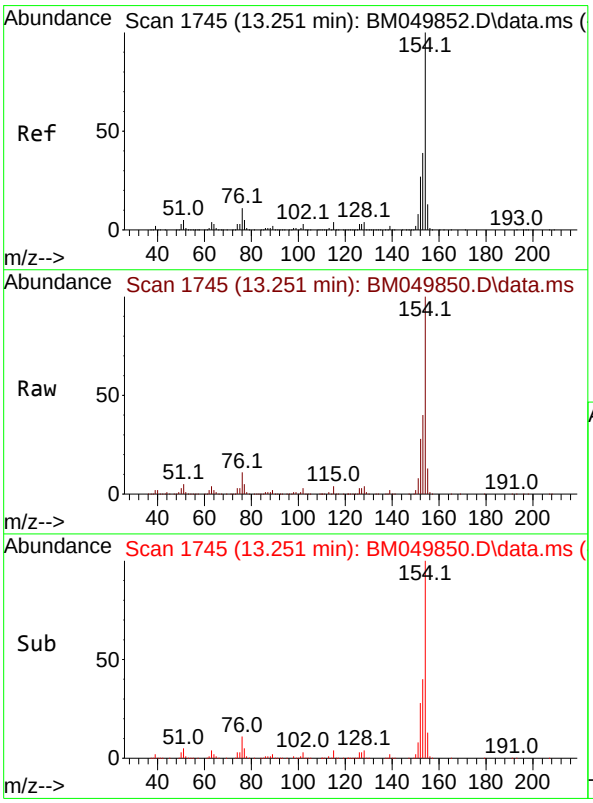
Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

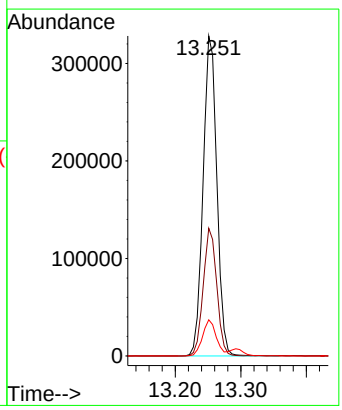
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

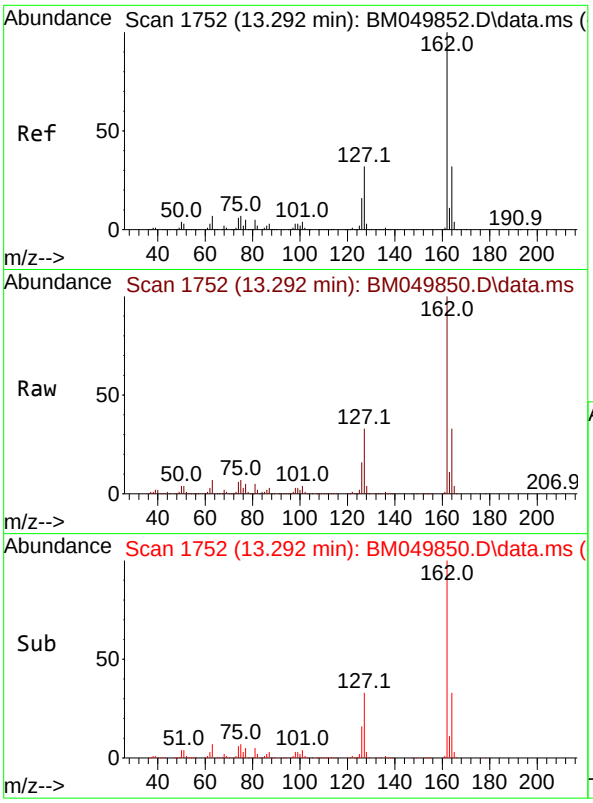


#46
1,1'-Biphenyl
Concen: 9.609 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 479426

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.3	59.3
76	11.3	0.0	30.7

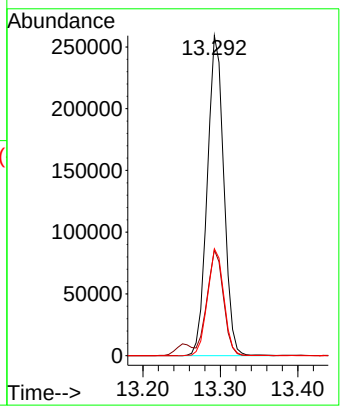




#47
2-Chloronaphthalene
Concen: 9.789 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 38388

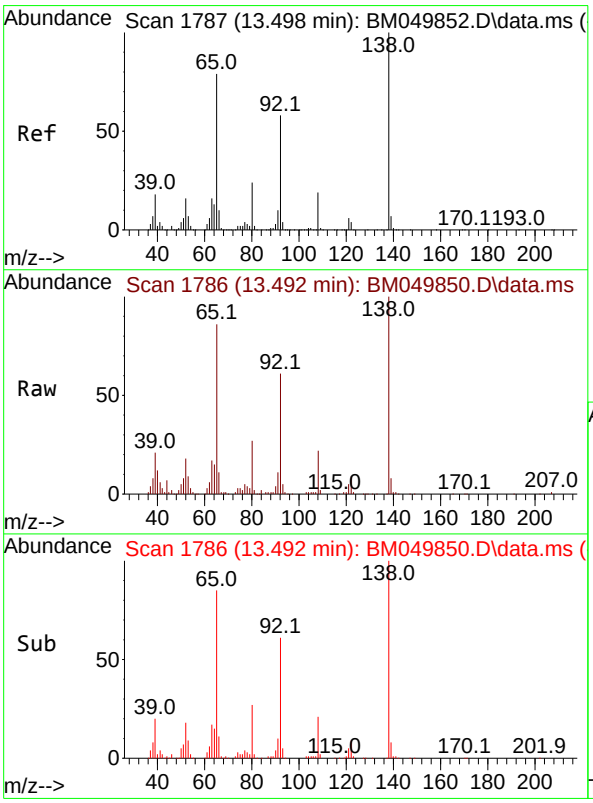
Ion	Ratio	Lower	Upper
162	100		
127	33.0	26.0	39.0
164	33.4	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

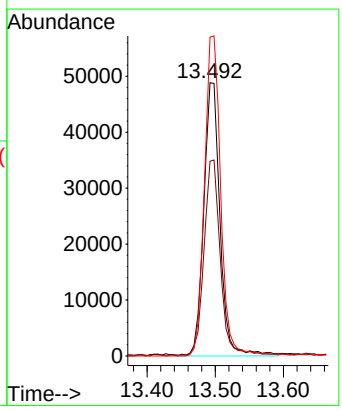
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

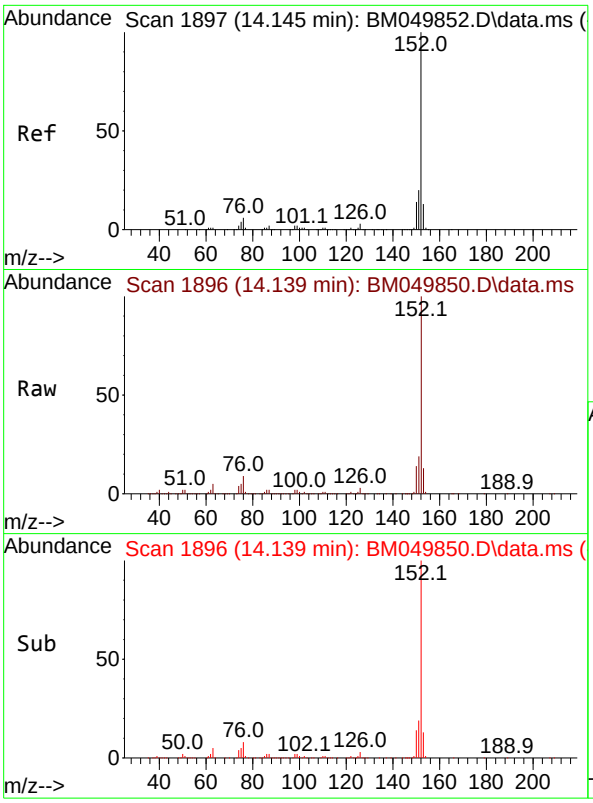


#48
2-Nitroaniline
Concen: 8.968 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 65 Resp: 81359

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	116.7	100.8	151.2

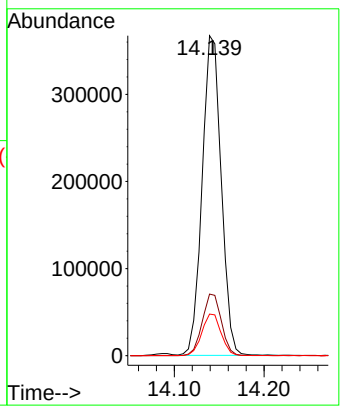




#49
Acenaphthylene
Concen: 9.479 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 54147

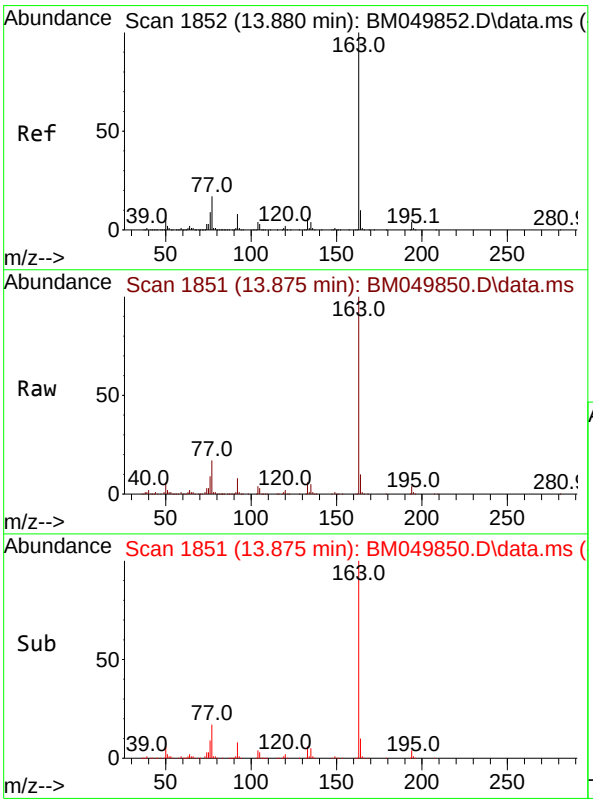
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

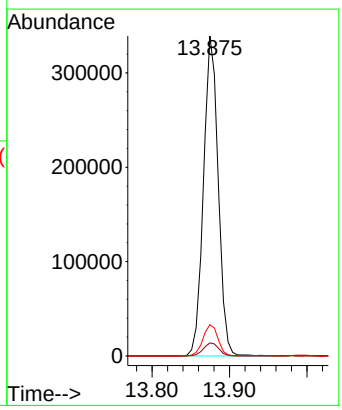
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

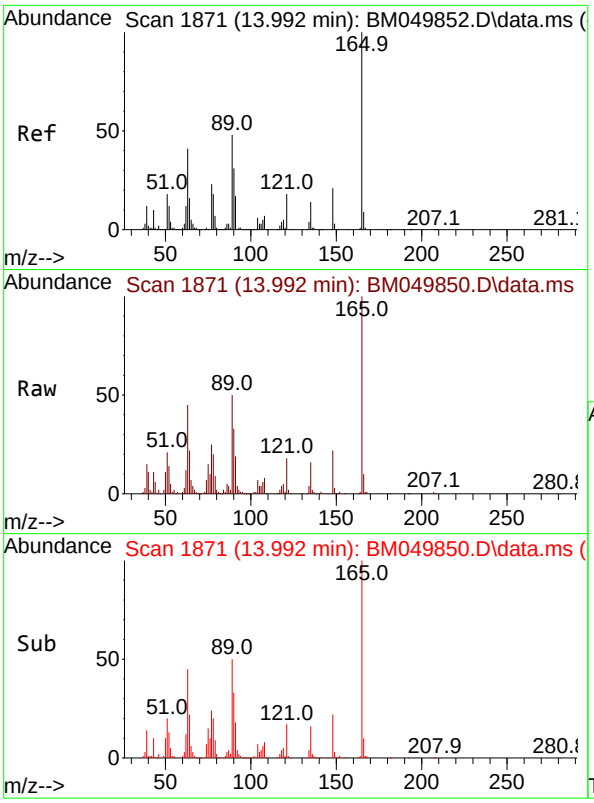


#50
Dimethylphthalate
Concen: 9.431 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:163 Resp: 446549

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.7	7.9	11.9

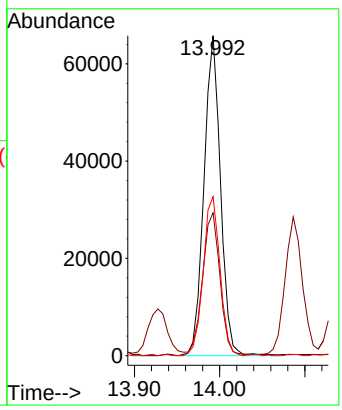




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 8881

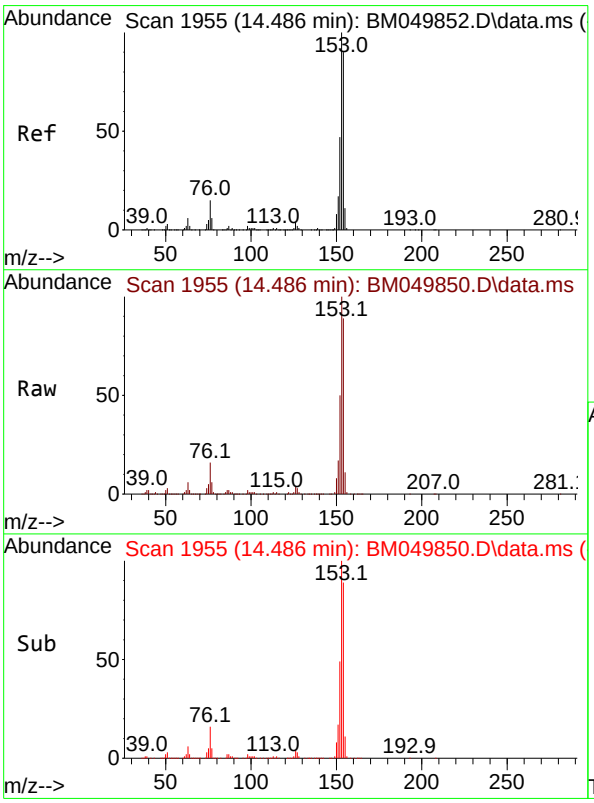
Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	49.7	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

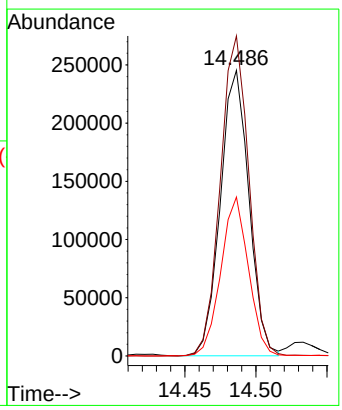
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

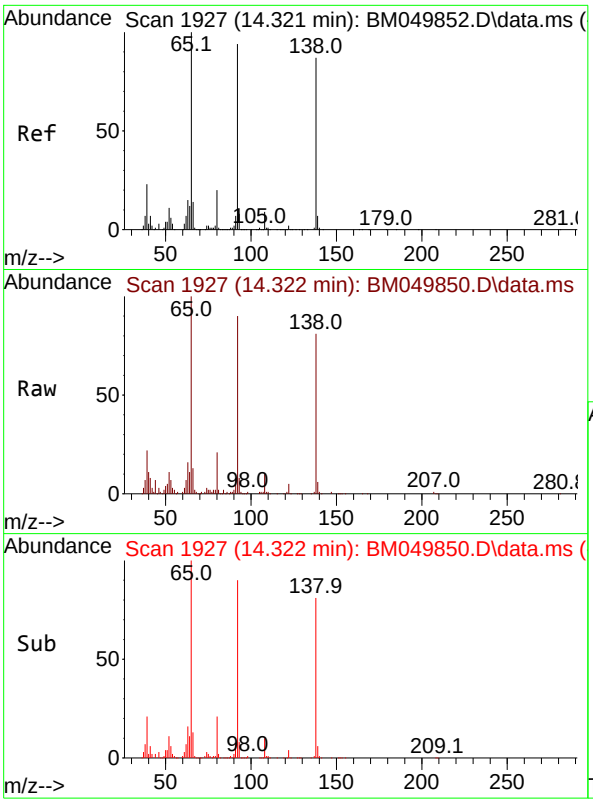


#52
Acenaphthene
Concen: 9.452 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 343452

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	55.6	42.2	63.2





#53
3-Nitroaniline
Concen: 8.856 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

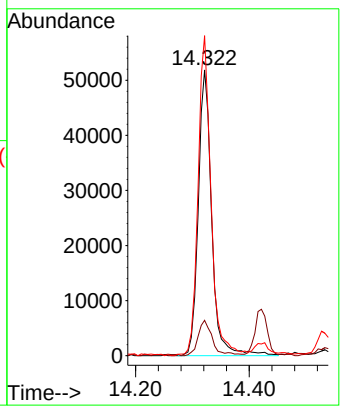
Tgt Ion:138 Resp: 8491

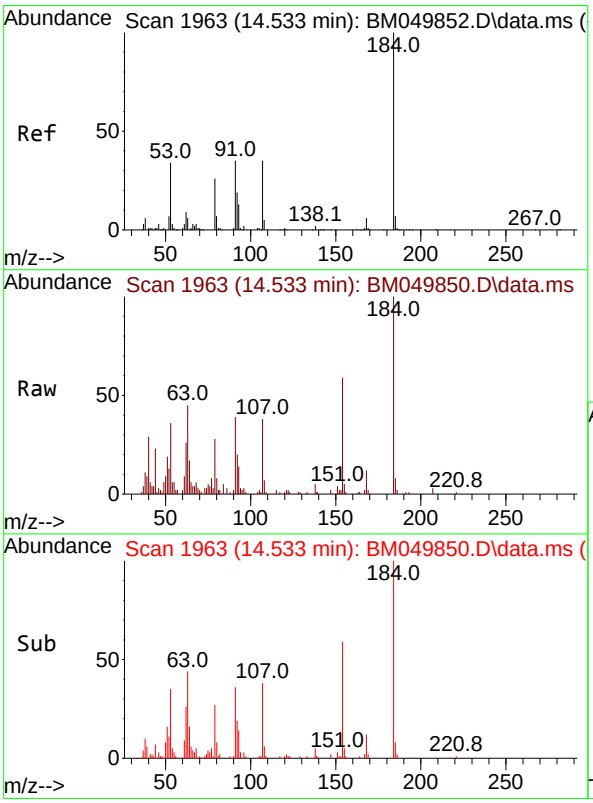
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.1	12.1
92	112.0	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

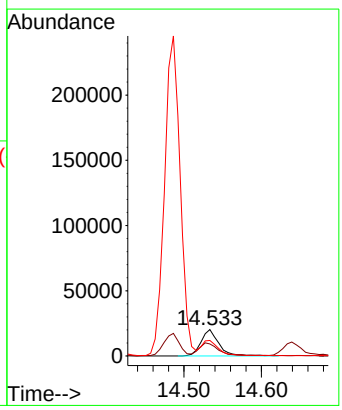


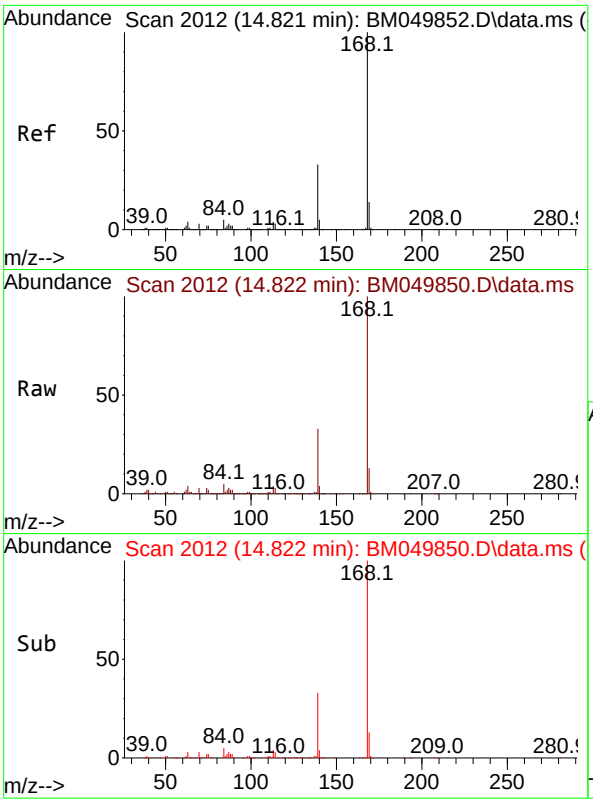


#54
2,4-Dinitrophenol
Concen: 11.325 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 32385

Ion	Ratio	Lower	Upper
184	100		
63	45.3	38.4	57.6
154	58.6	48.1	72.1

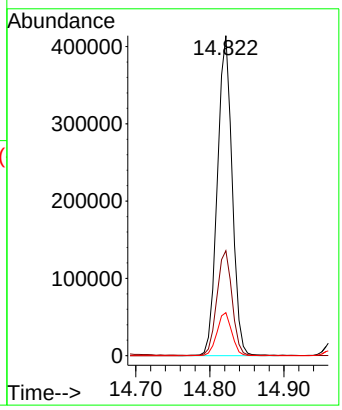




#55
Dibenzofuran
Concen: 9.443 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:168 Resp: 57356

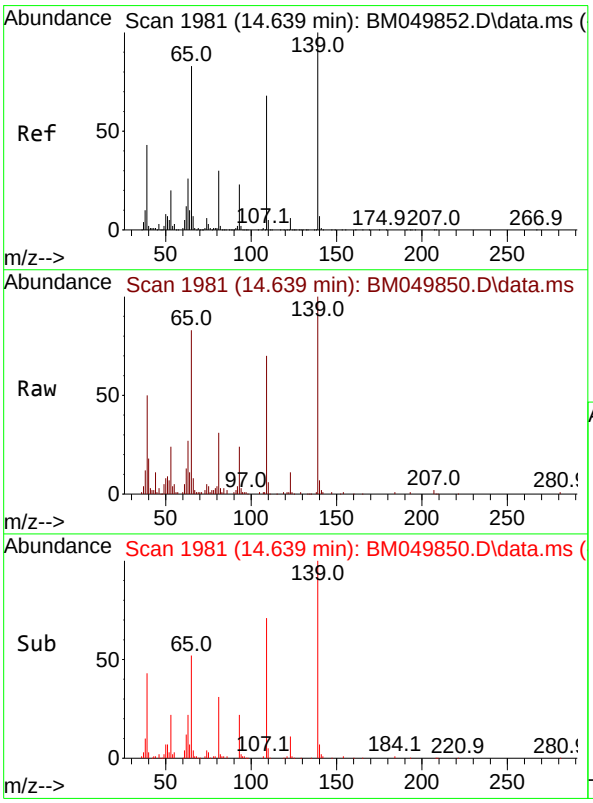
Ion	Ratio	Lower	Upper
168	100		
139	32.8	26.6	39.8
169	13.5	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

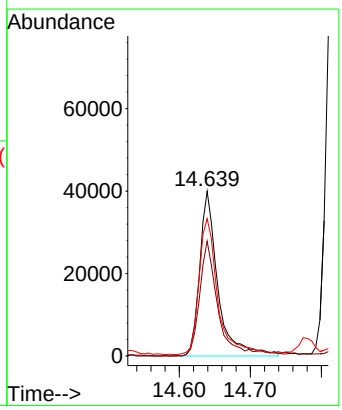
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

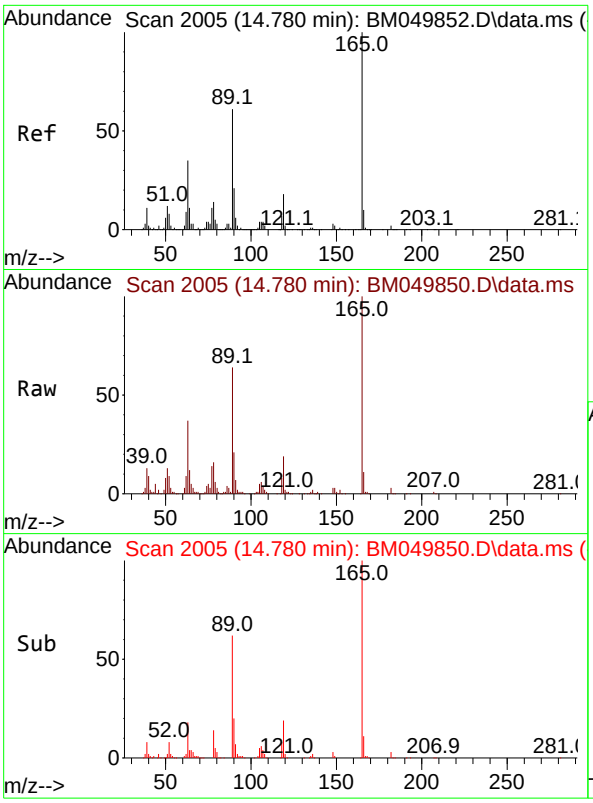


#56
4-Nitrophenol
Concen: 8.373 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 71545

Ion	Ratio	Lower	Upper
139	100		
109	69.8	47.9	87.9
65	83.3	62.7	102.7

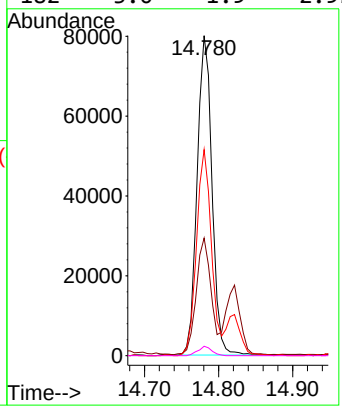




#57
2,4-Dinitrotoluene
Concen: 8.433 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 11161

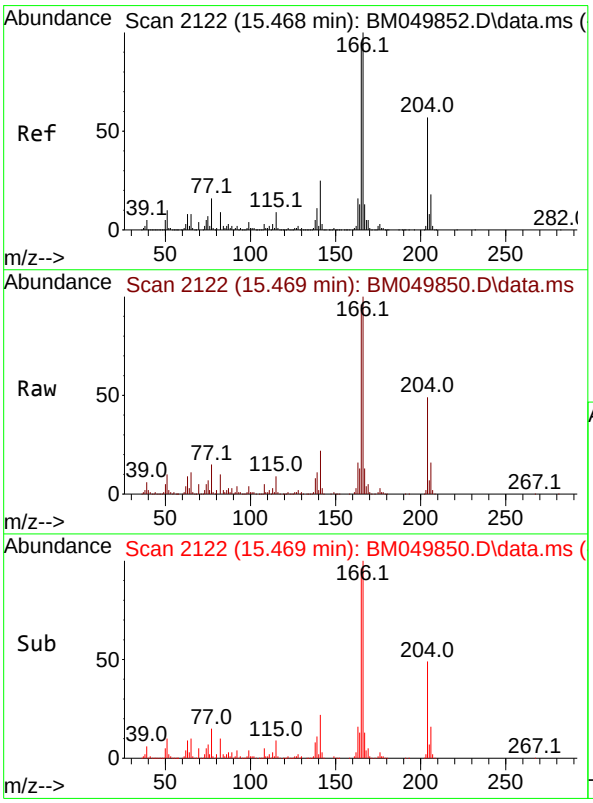
Ion	Ratio	Lower	Upper
165	100		
63	36.8	28.6	42.8
89	64.4	49.0	73.6
182	3.0	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

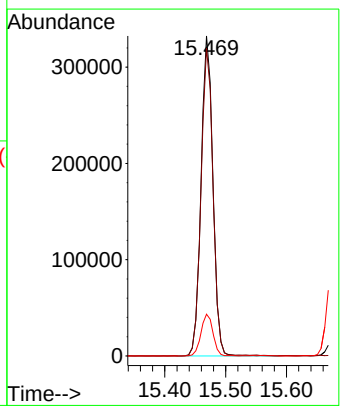
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

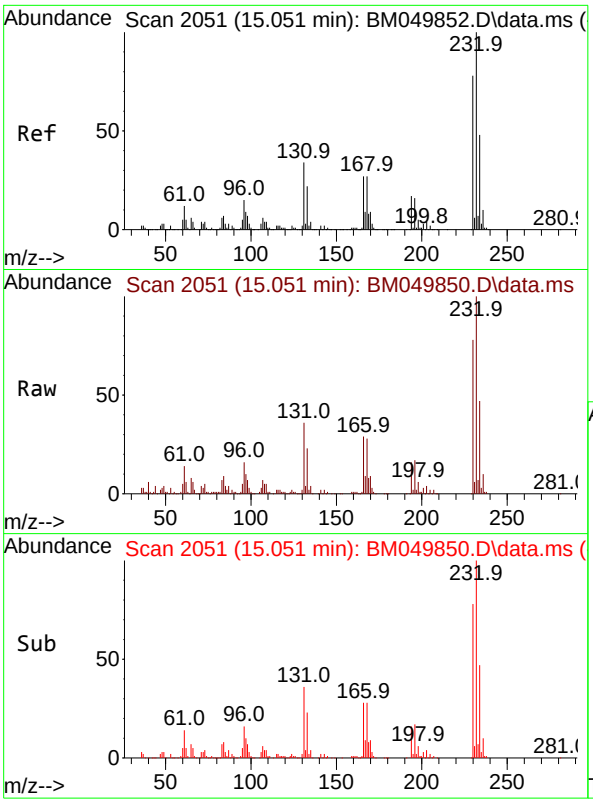


#58
Fluorene
Concen: 9.279 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:166 Resp: 448037

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.0	10.7	16.1

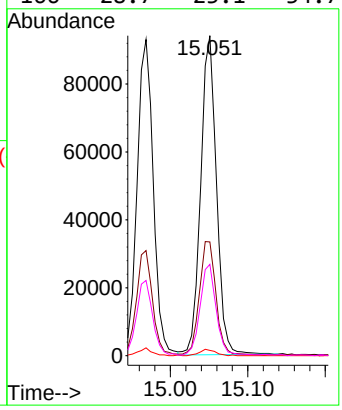




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.351 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:232 Resp: 13308(

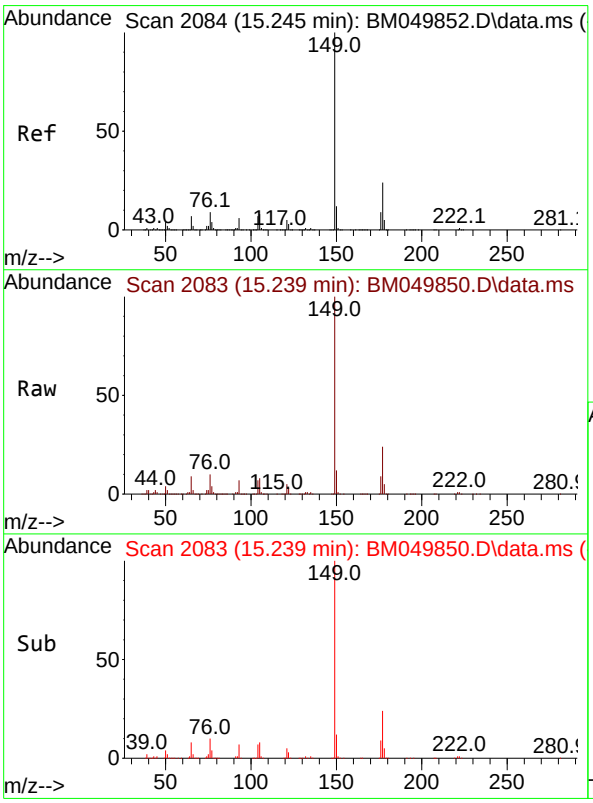
Ion	Ratio	Lower	Upper
232	100		
131	37.4	28.4	42.6
130	2.0	1.6	2.4
166	28.7	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

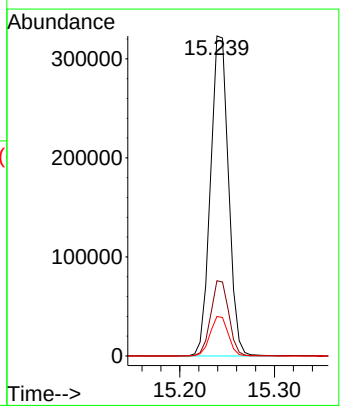
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

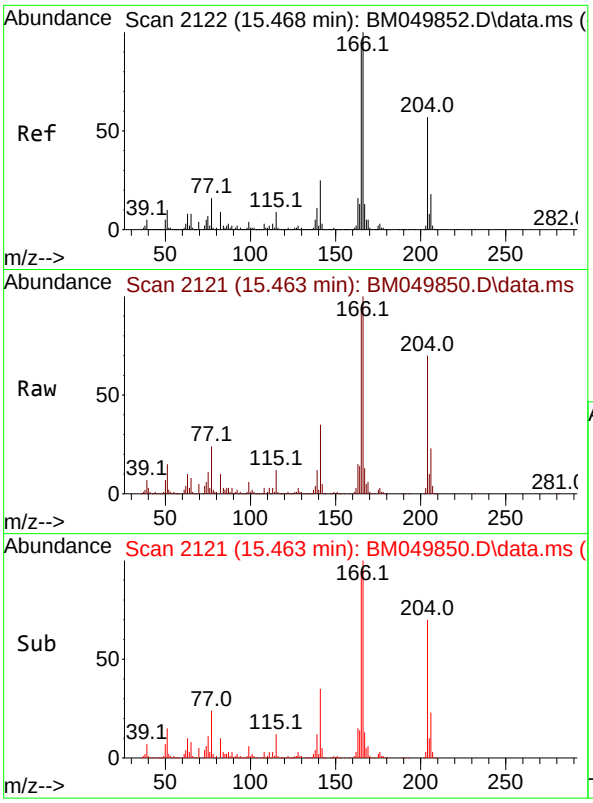


#60
Diethylphthalate
Concen: 9.387 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 426265

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.0	28.4
150	12.3	9.7	14.5

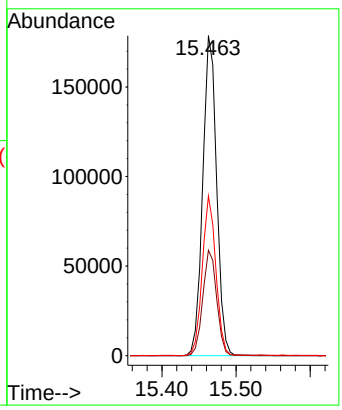




#61
4-Chlorophenyl-phenylether
Concen: 8.992 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:204 Resp: 23276

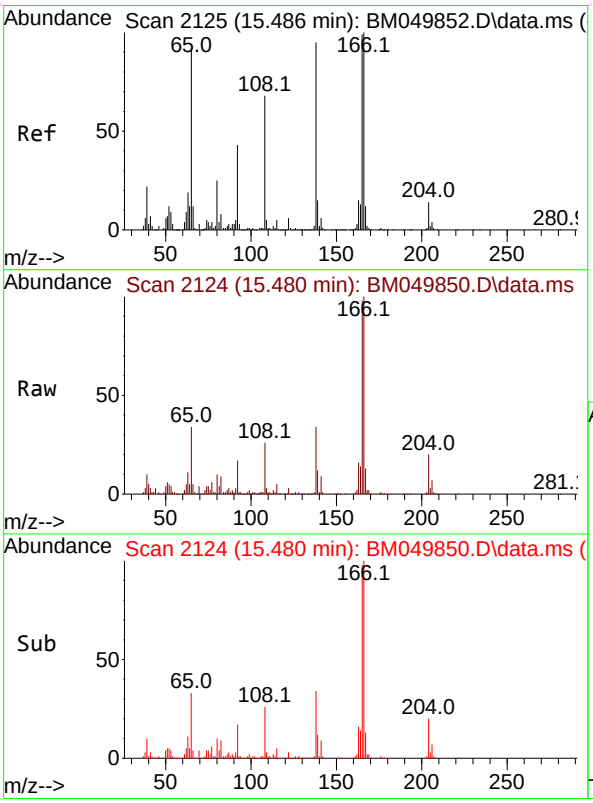
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	49.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

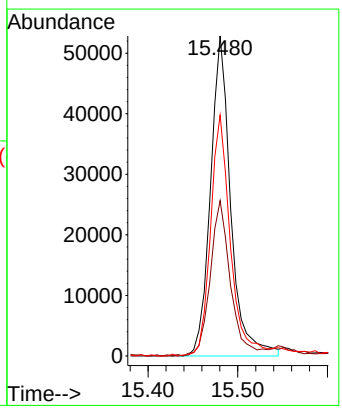
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

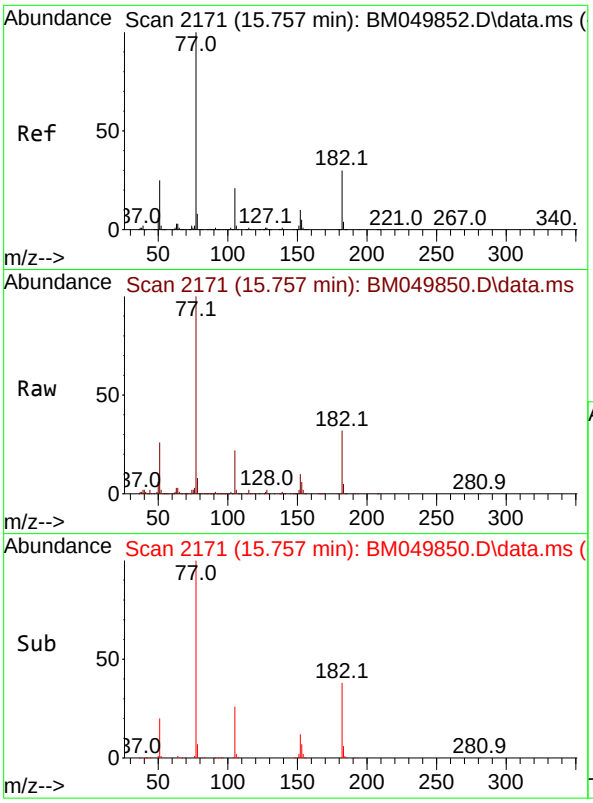


#62
4-Nitroaniline
Concen: 8.354 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:138 Resp: 82838

Ion	Ratio	Lower	Upper
138	100		
92	48.5	24.9	64.9
108	75.2	51.7	91.7

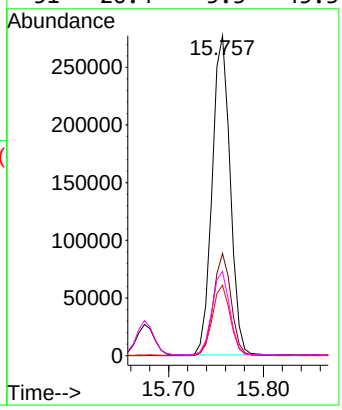




#63
Azobenzene
Concen: 9.366 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 36411

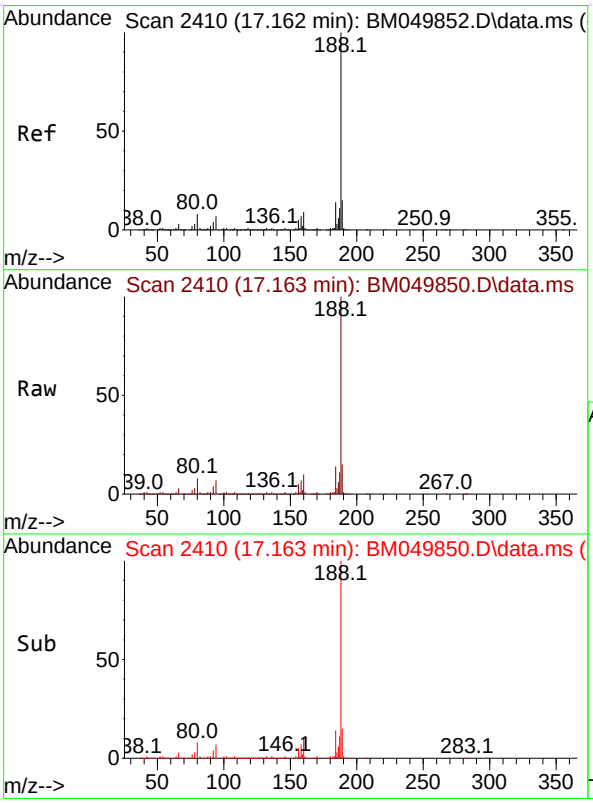
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	22.0	1.5	41.5
51	26.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

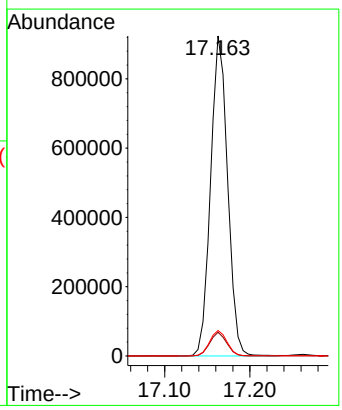
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

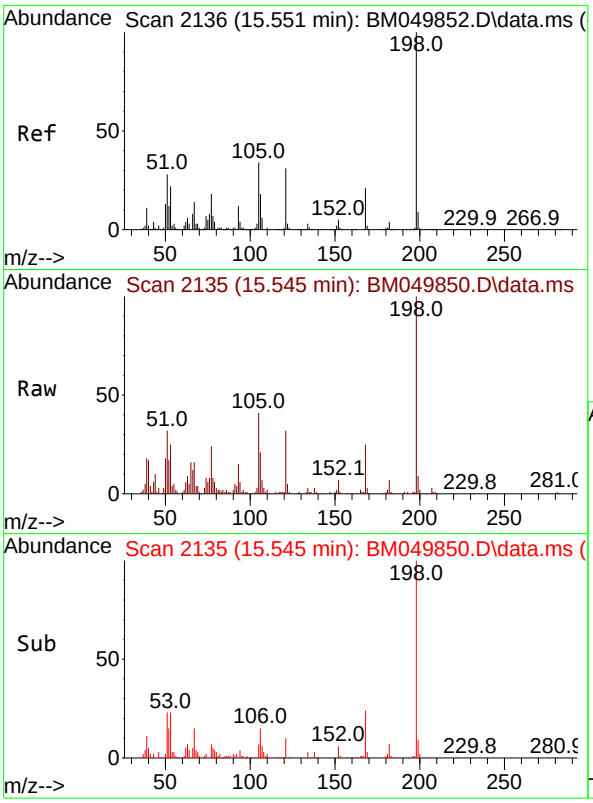


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:188 Resp: 1281742

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.9	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 7.490 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

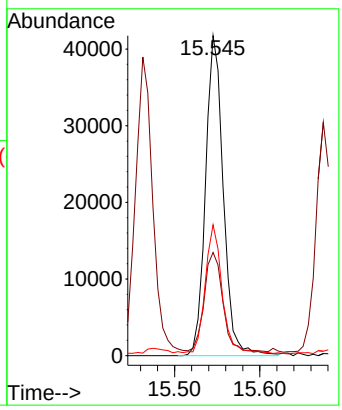
Tgt Ion:198 Resp: 6049

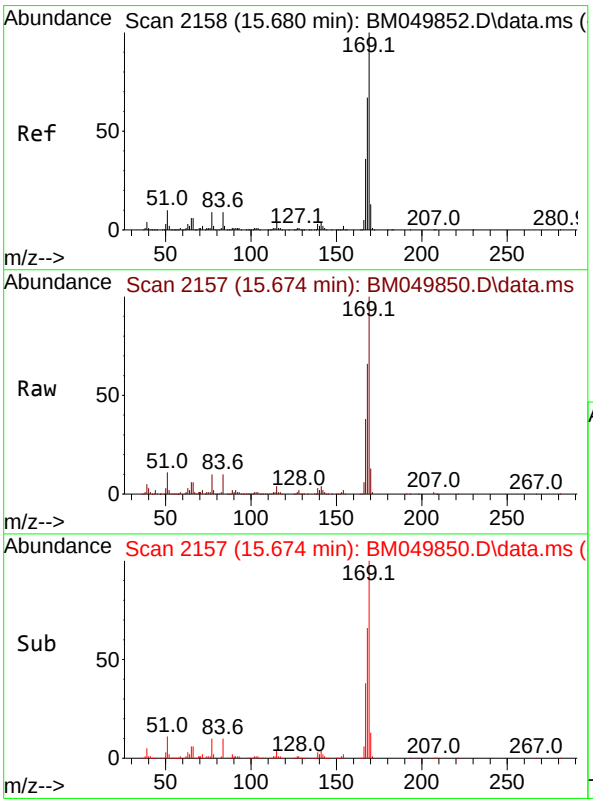
Ion	Ratio	Lower	Upper
198	100		
51	32.3	9.6	49.6
105	40.9	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

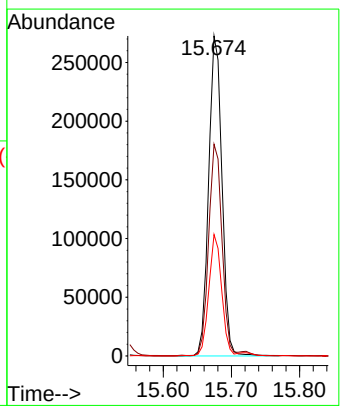


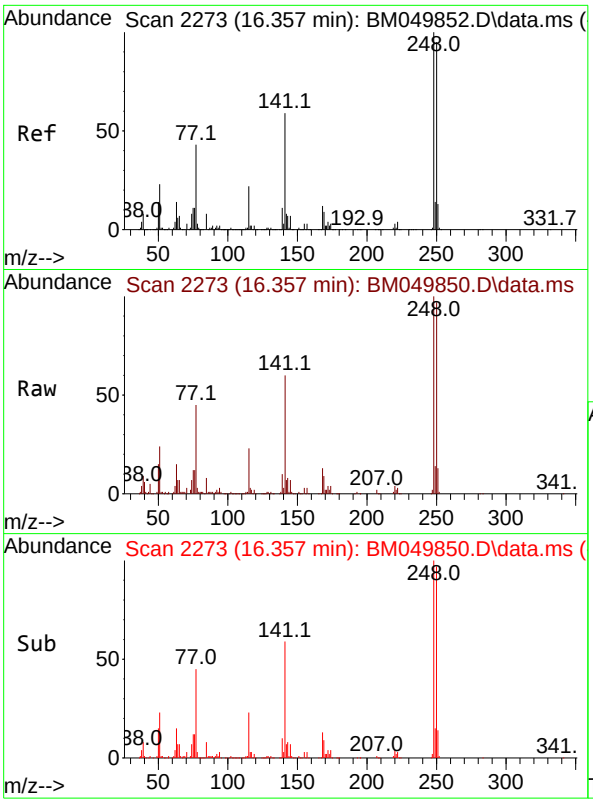


#66
n-Nitrosodiphenylamine
Concen: 9.657 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:169 Resp: 370438

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.4	80.2
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 9.139 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

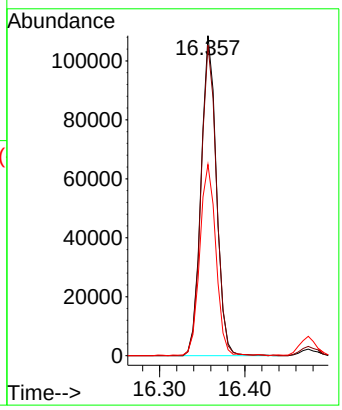
Tgt Ion:248 Resp: 13598

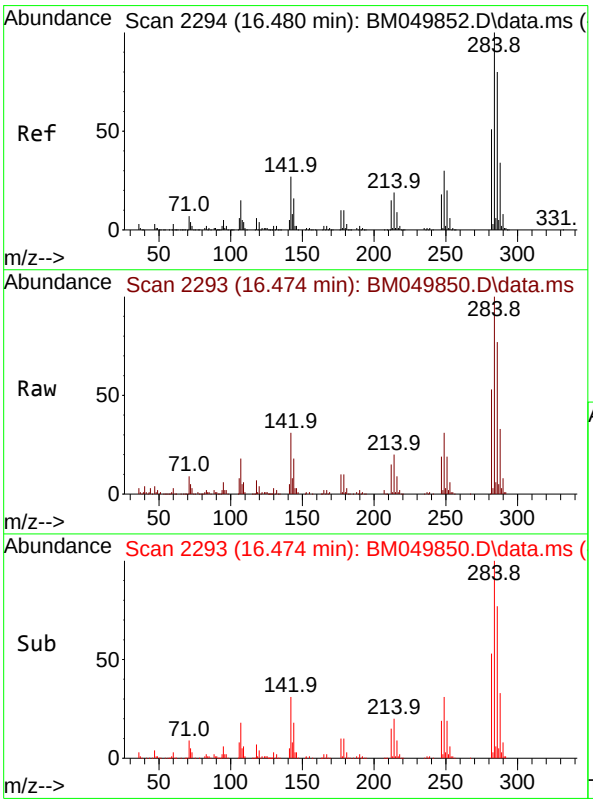
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.2	114.2
141	59.7	47.3	70.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

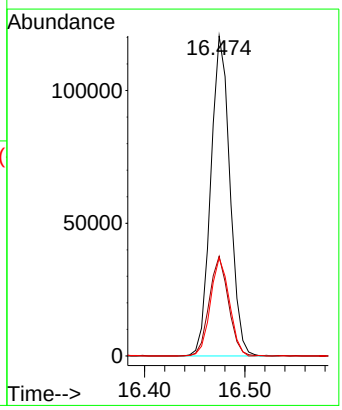


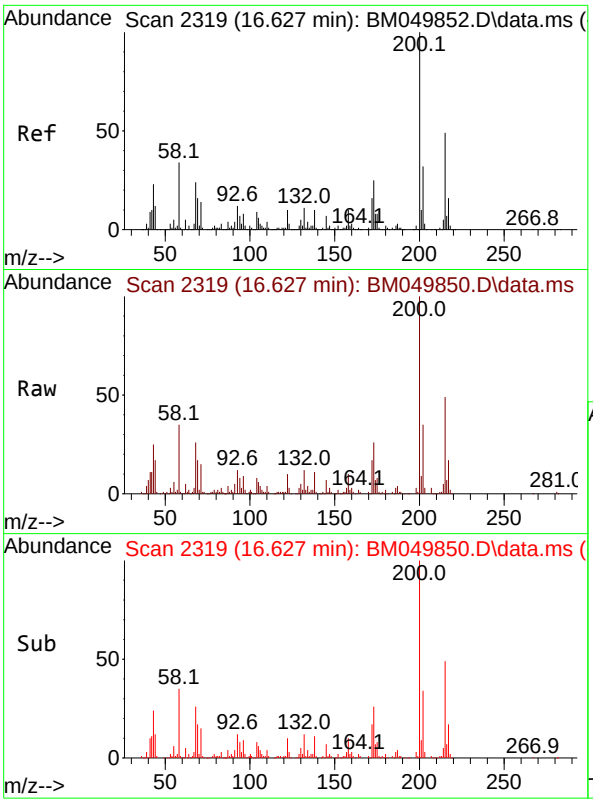


#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:284 Resp: 160142

Ion	Ratio	Lower	Upper
284	100		
142	31.1	21.2	31.8
249	30.7	24.1	36.1

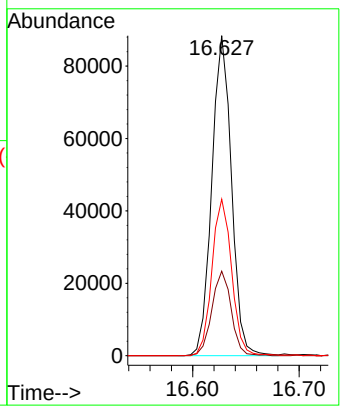




#69
Atrazine
Concen: 11.391 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:200 Resp: 11328

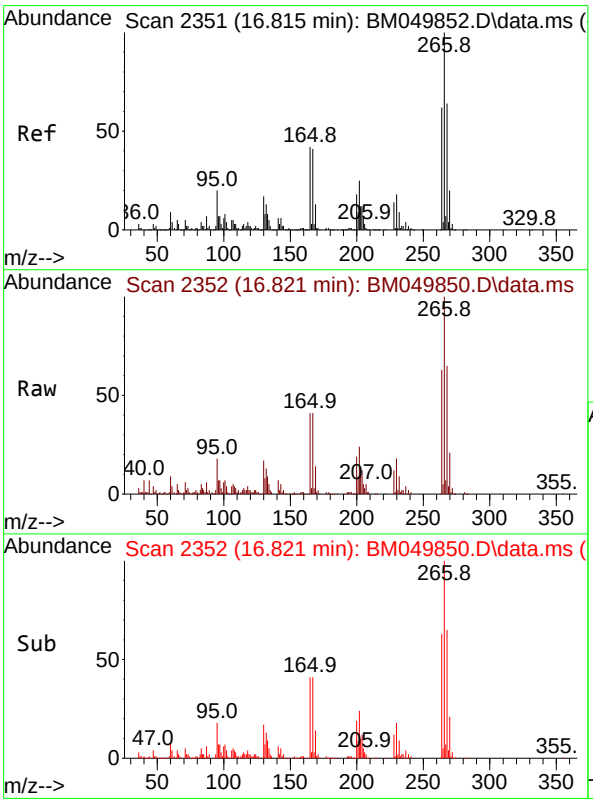
Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.4	45.4
215	48.9	29.0	69.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

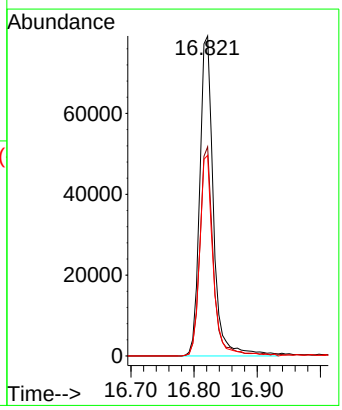
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

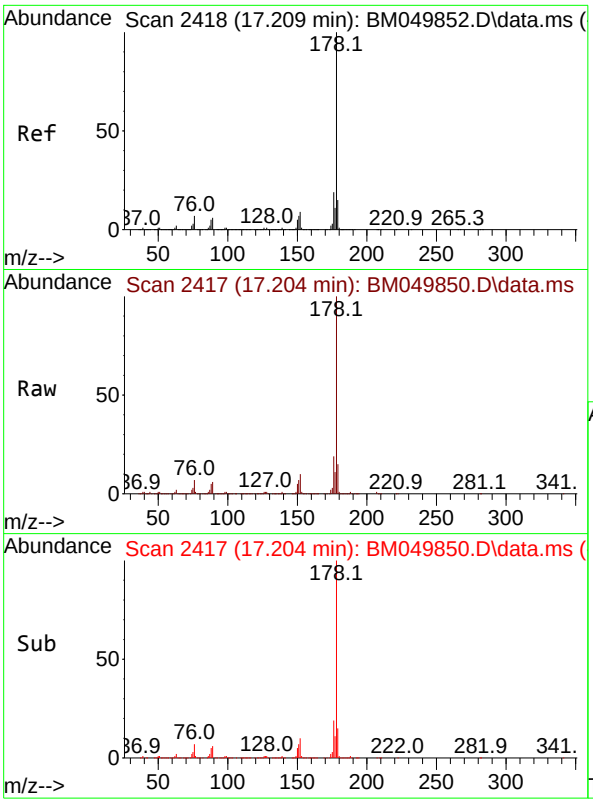


#70
Pentachlorophenol
Concen: 9.473 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:266 Resp: 119030

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	62.7	49.8	74.8

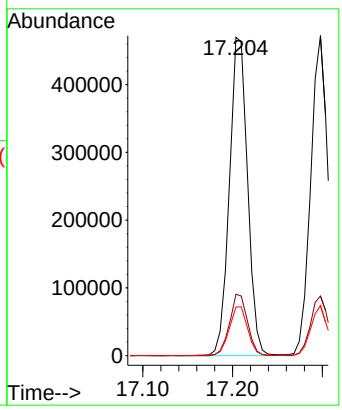




#71
Phenanthrene
Concen: 9.394 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 66014

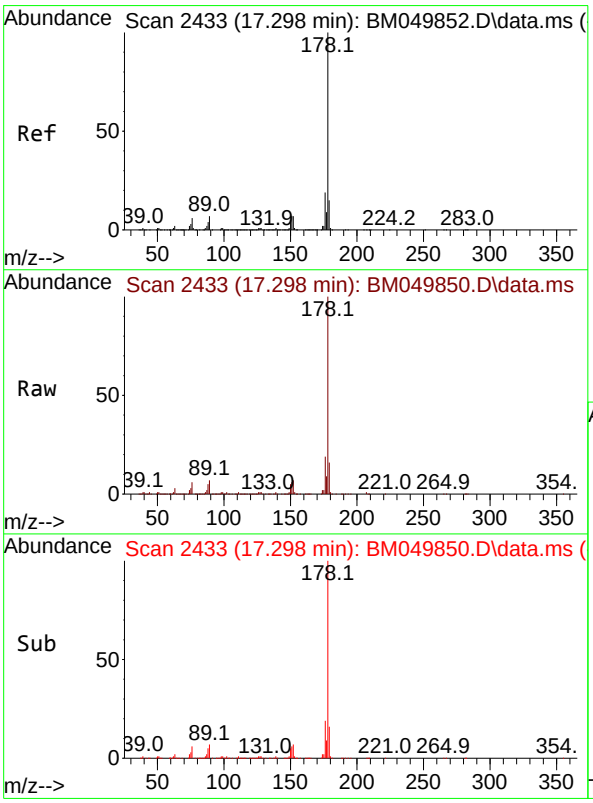
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

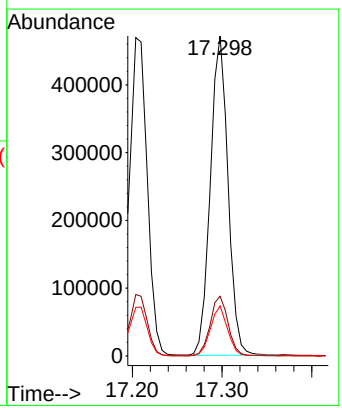
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

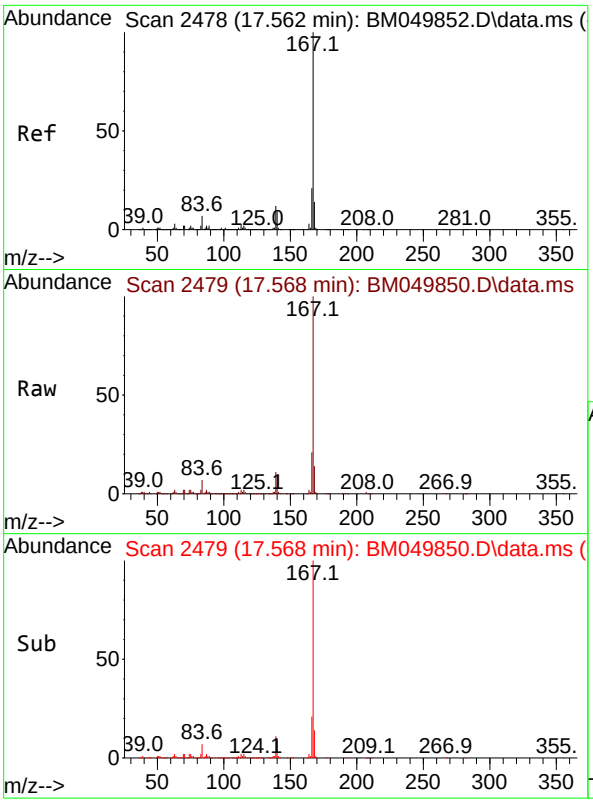


#72
Anthracene
Concen: 9.294 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 643575

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.6	12.4	18.6

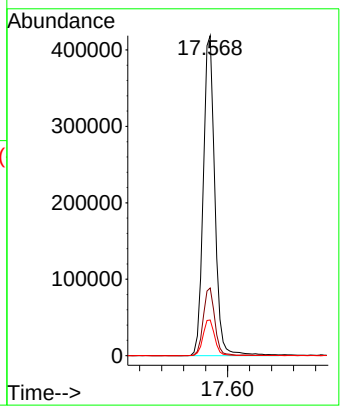




#73
Carbazole
Concen: 9.356 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:167 Resp: 61022

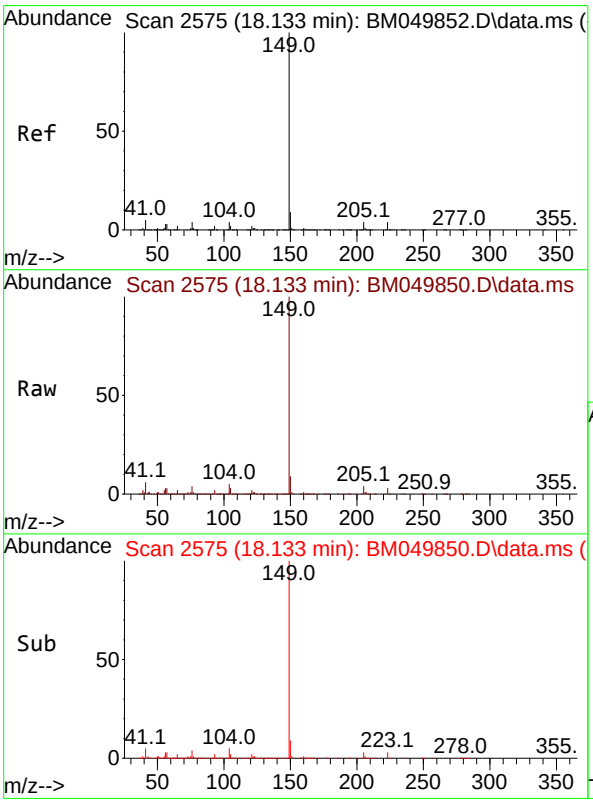
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

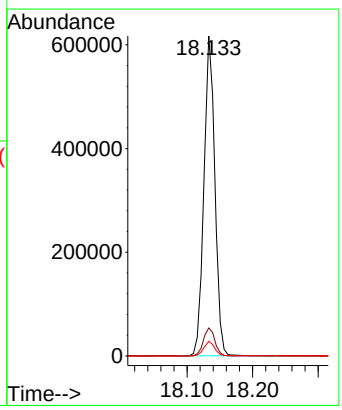
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

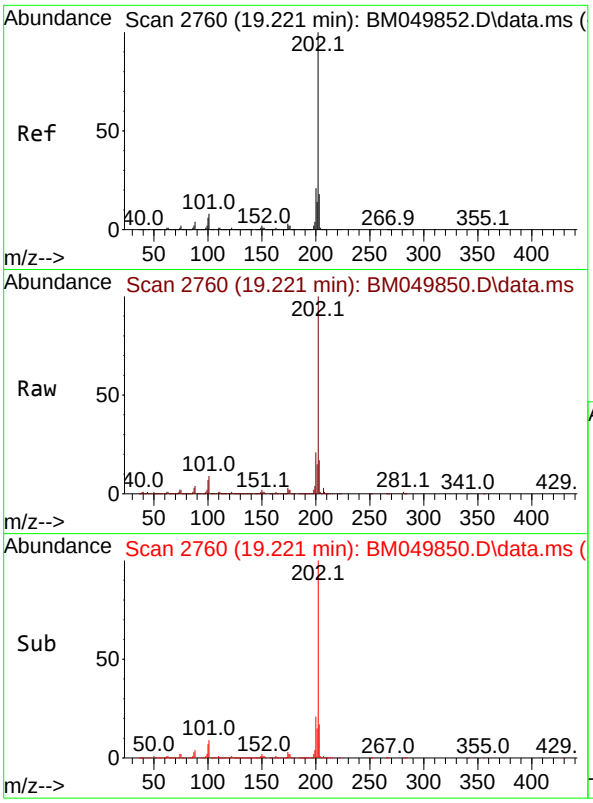


#74
Di-n-butylphthalate
Concen: 9.557 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 717993

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	4.6	3.5	5.3

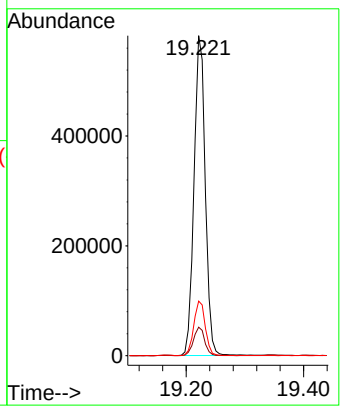




#75
Fluoranthene
Concen: 8.947 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 77298

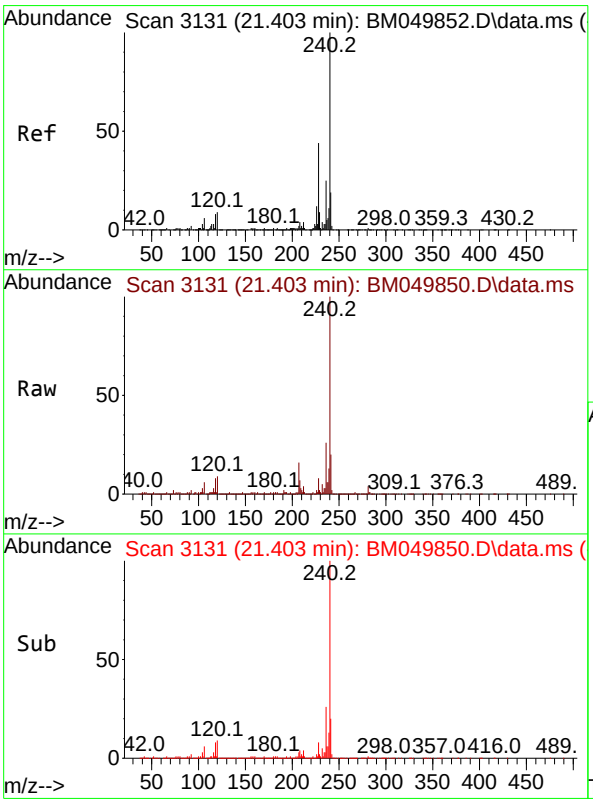
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.0	0.0	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

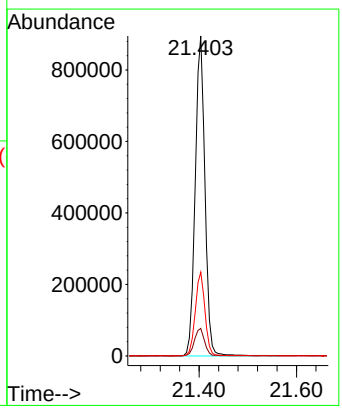
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

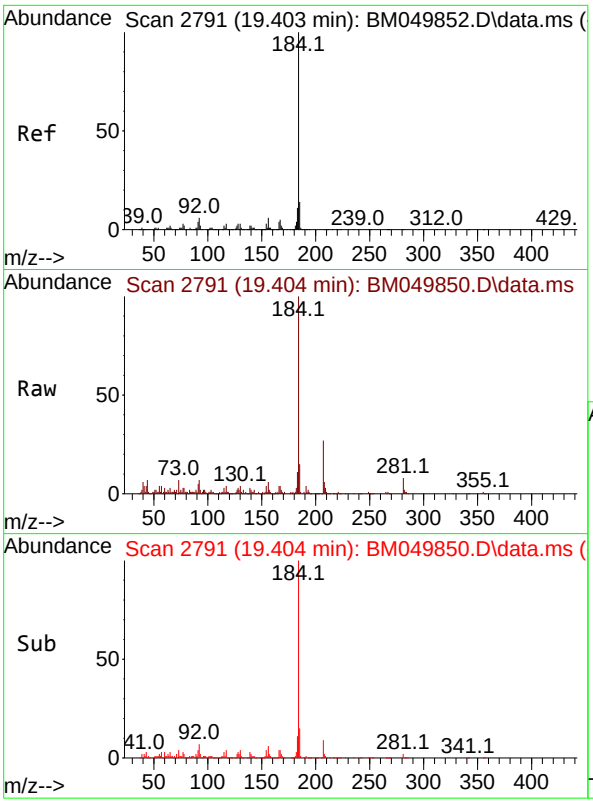


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:240 Resp: 1251521

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.2	20.4	30.6

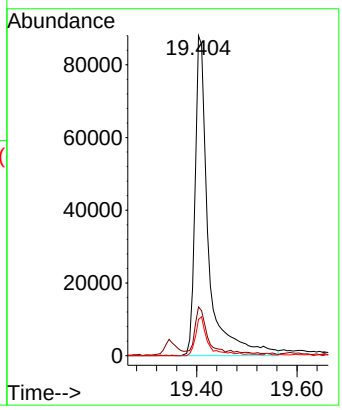




#77
Benzidine
Concen: 9.814 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 16294

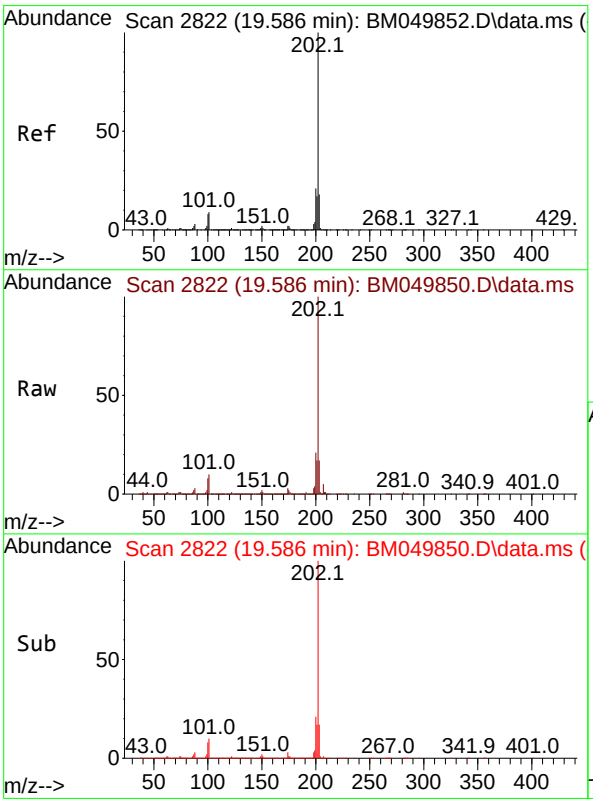
Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

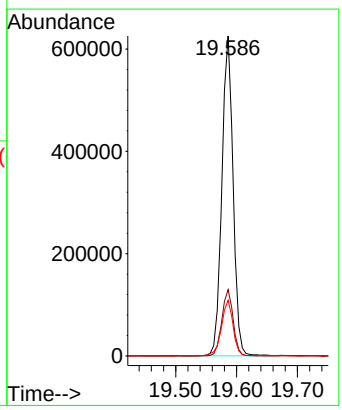
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

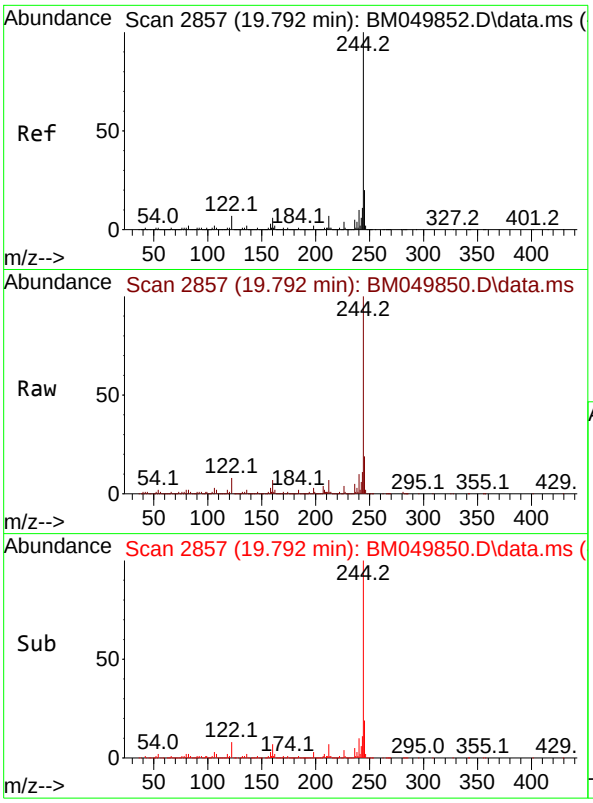


#78
Pyrene
Concen: 9.286 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 800964

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.4	14.0	21.0

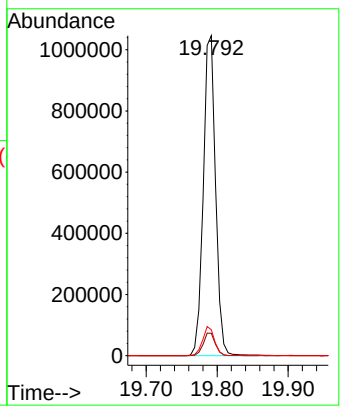




#79
Terphenyl-d14
Concen: 18.825 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:244 Resp: 125713

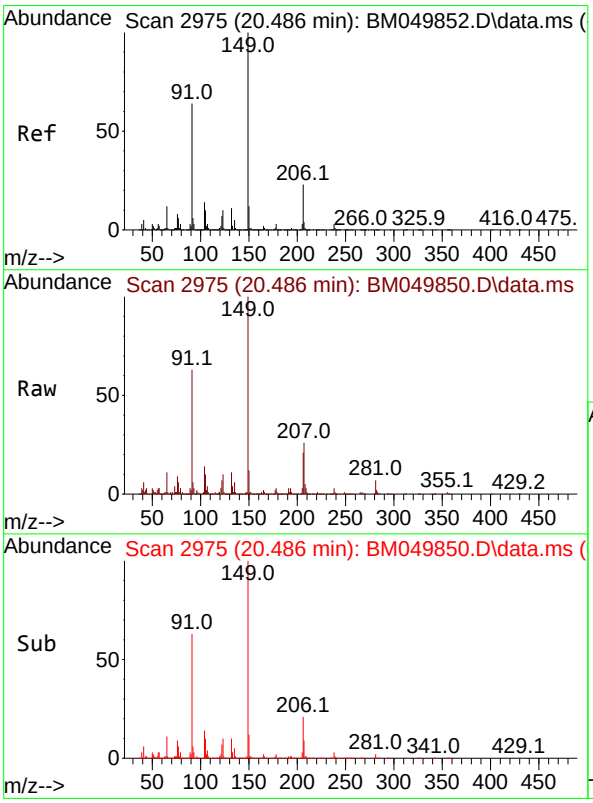
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.1	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

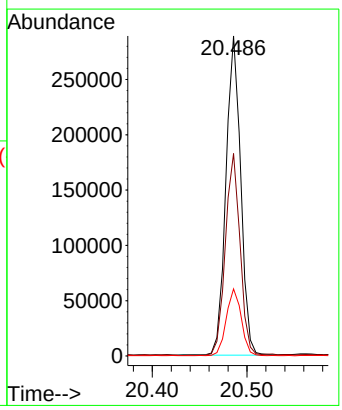
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

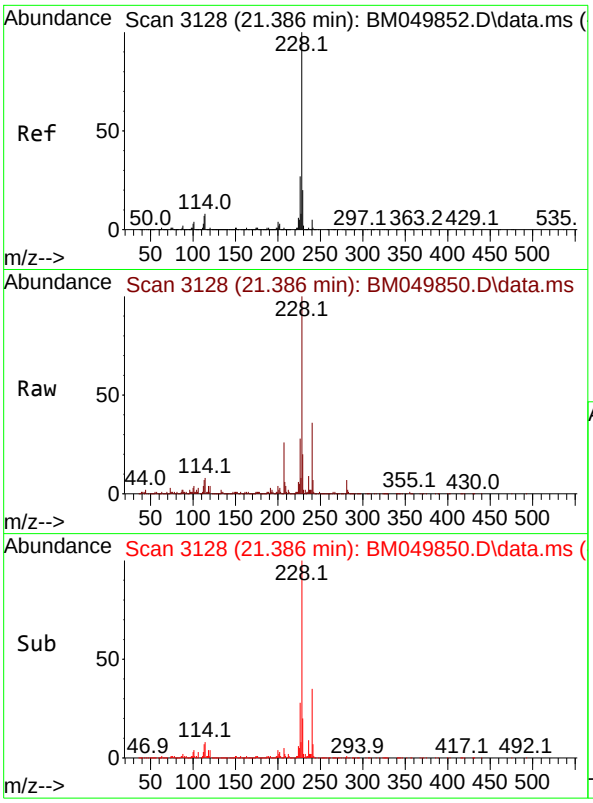


#80
Butylbenzylphthalate
Concen: 9.654 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 312899

Ion	Ratio	Lower	Upper
149	100		
91	63.2	50.9	76.3
206	21.0	18.4	27.6

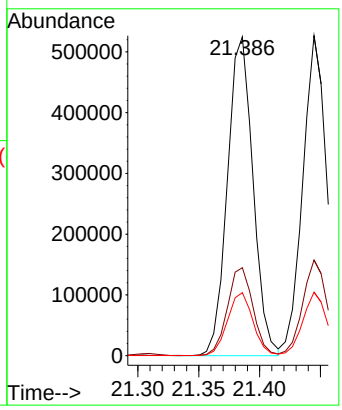




#81
Benzo(a)anthracene
Concen: 9.223 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 76712

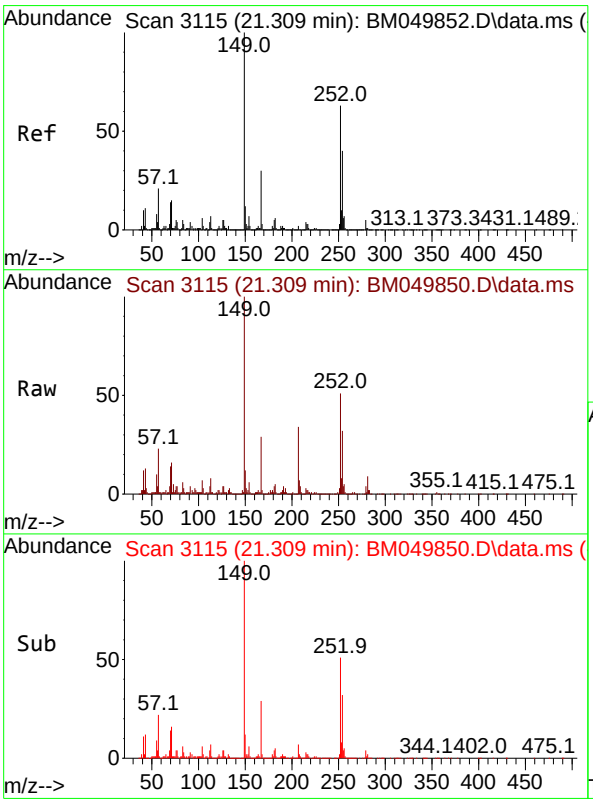
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

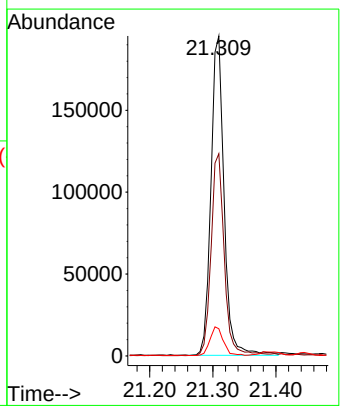
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

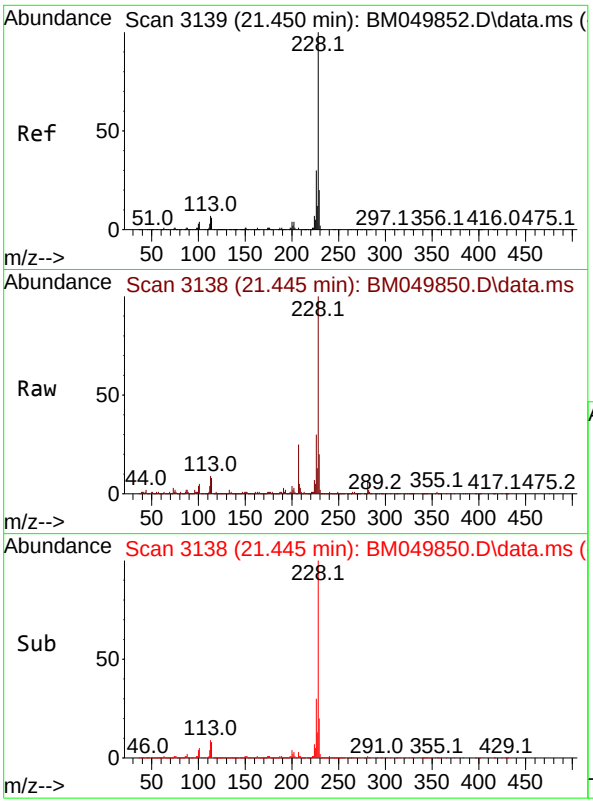


#82
3,3'-Dichlorobenzidine
Concen: 8.960 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 281424

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.5	77.3
126	8.5	6.3	9.5

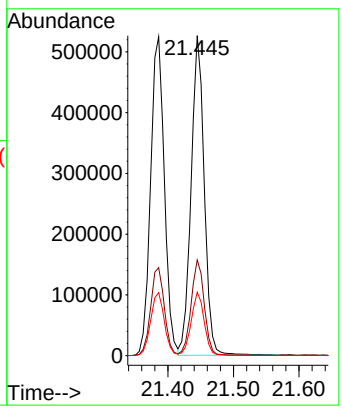




#83
Chrysene
Concen: 9.283 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 73407

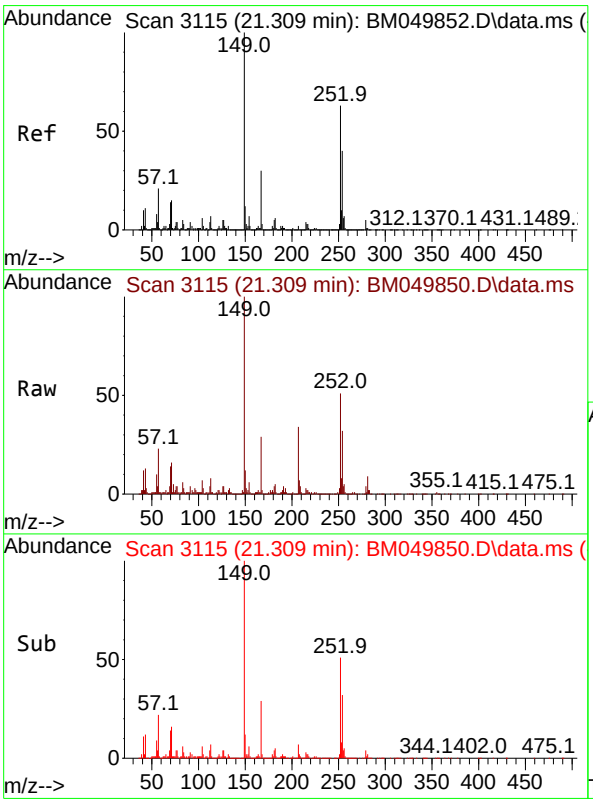
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

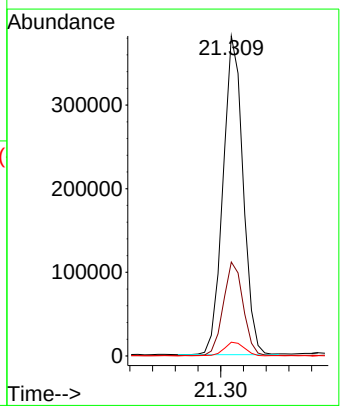
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

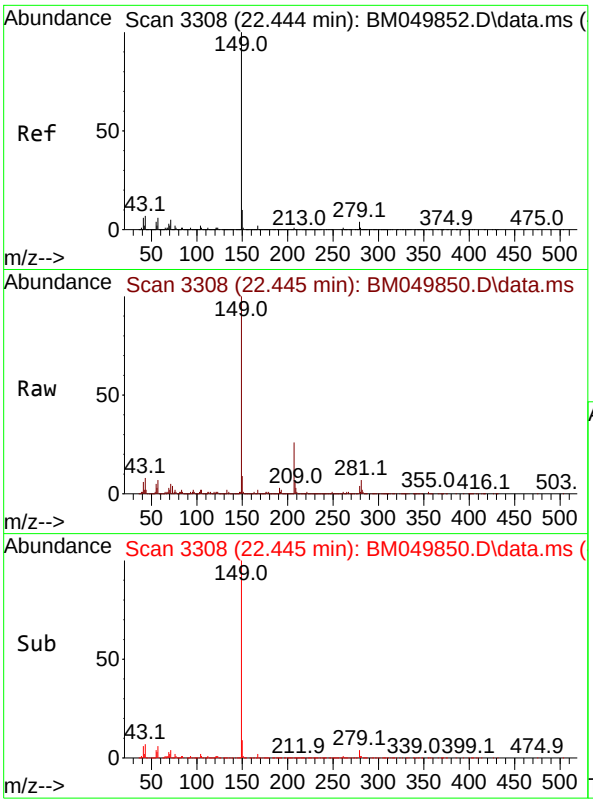


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.903 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 467613

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.8	35.6
279	4.3	3.8	5.8

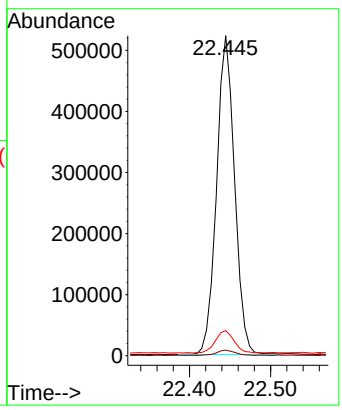




#85
Di-n-octyl phthalate
Concen: 9.750 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 80541

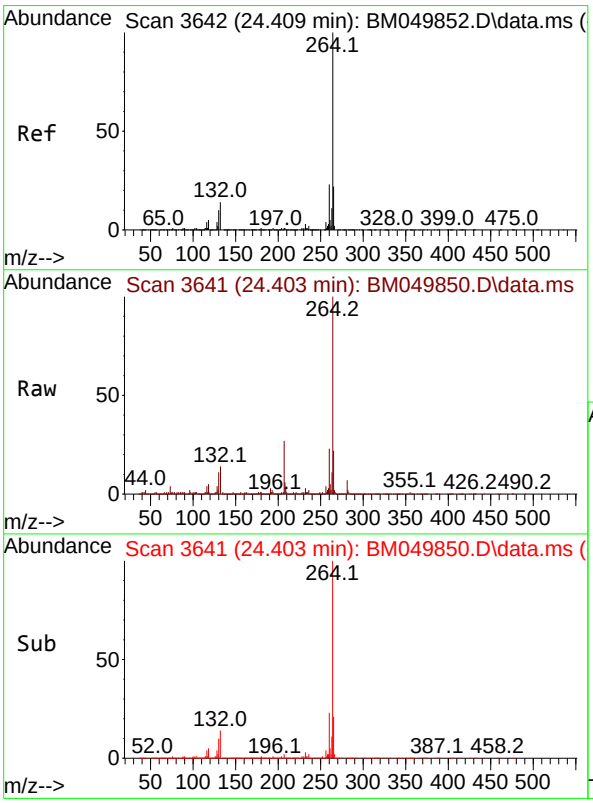
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.2	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

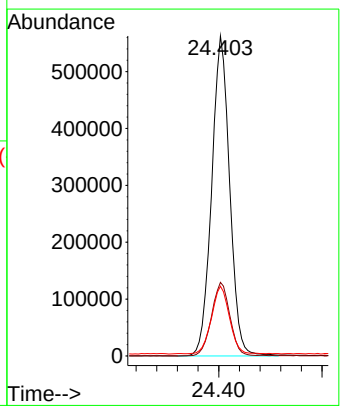
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

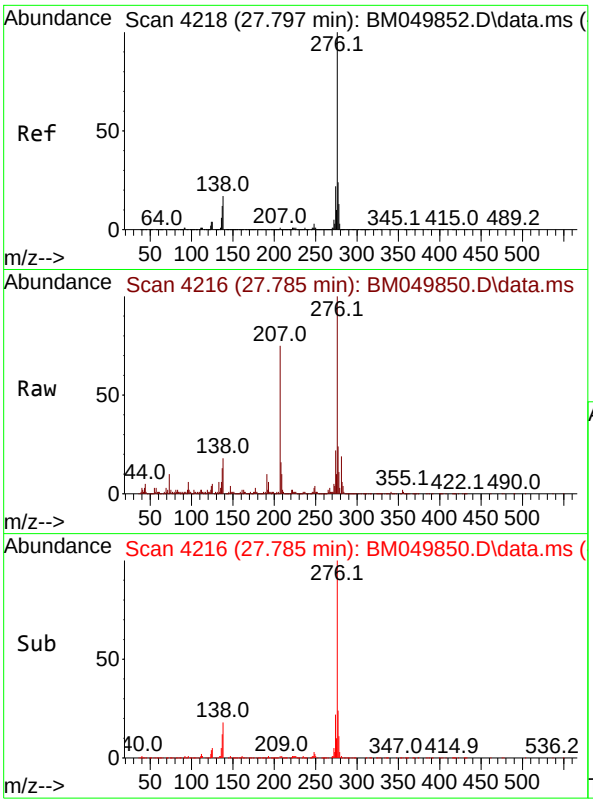


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:264 Resp: 1360976

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.8	17.8	26.8

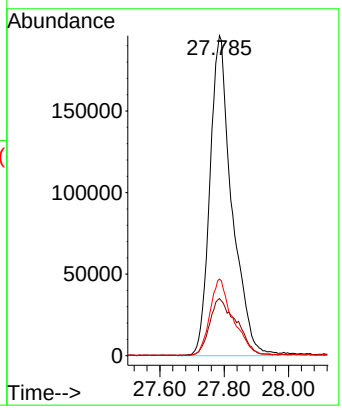




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.177 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 93100

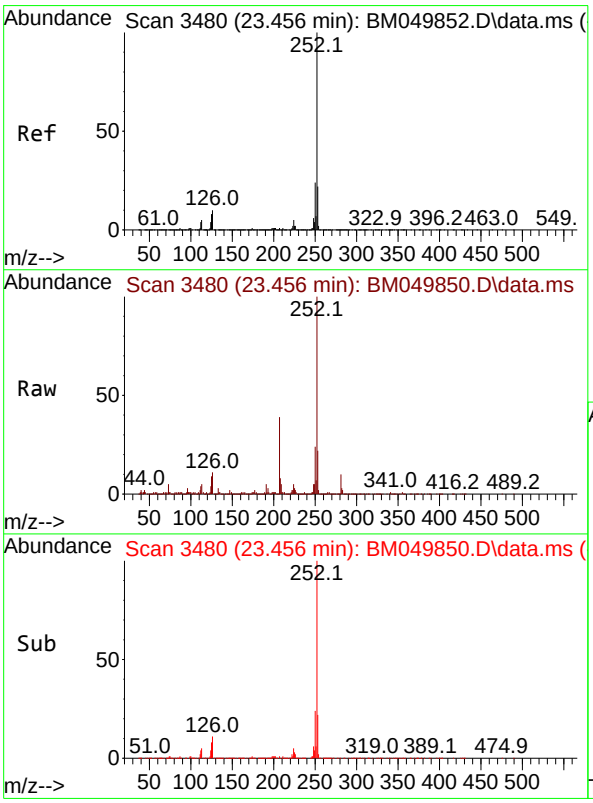
Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.8	25.2
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

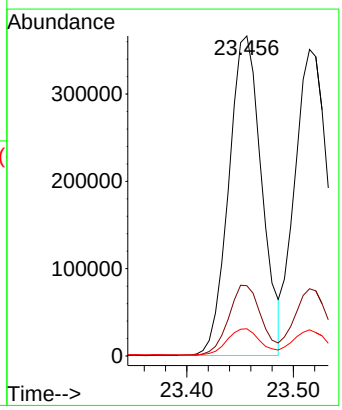
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

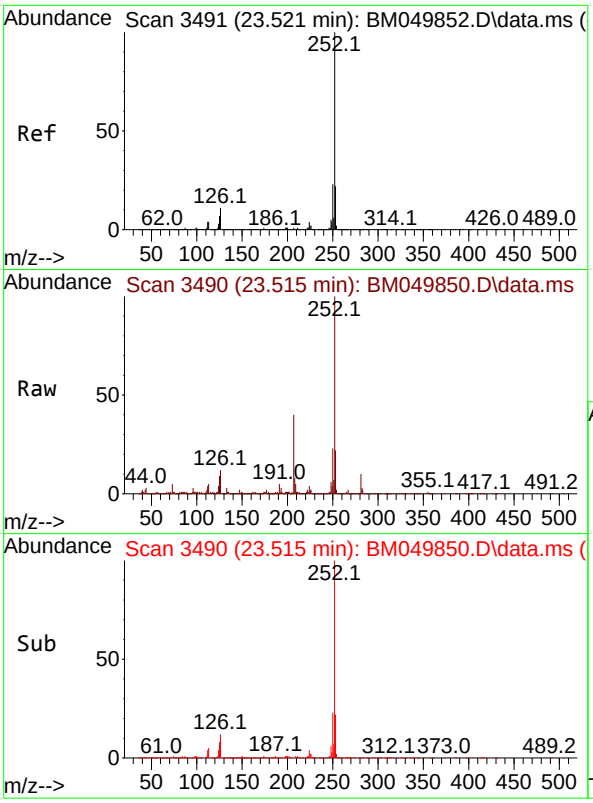


#88
Benzo(b)fluoranthene
Concen: 9.055 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 787043

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.5	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 9.063 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

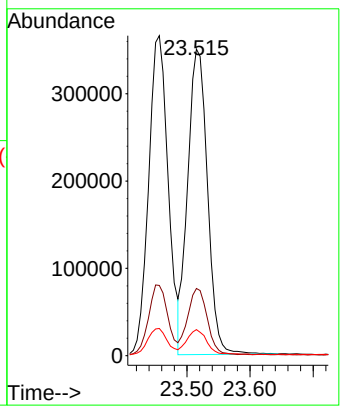
Tgt Ion:252 Resp: 76340

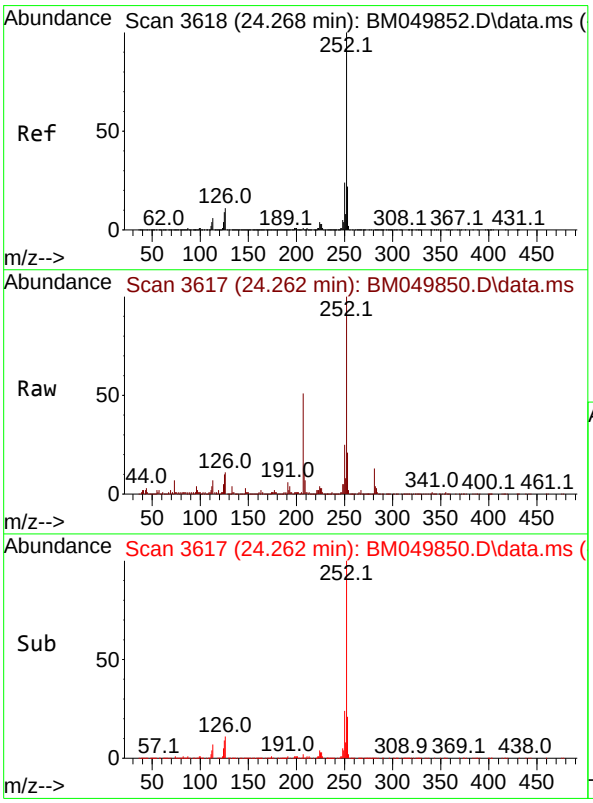
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.5	5.8	8.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

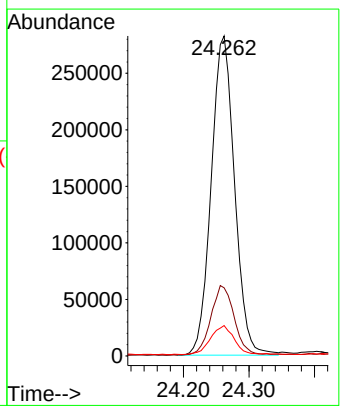


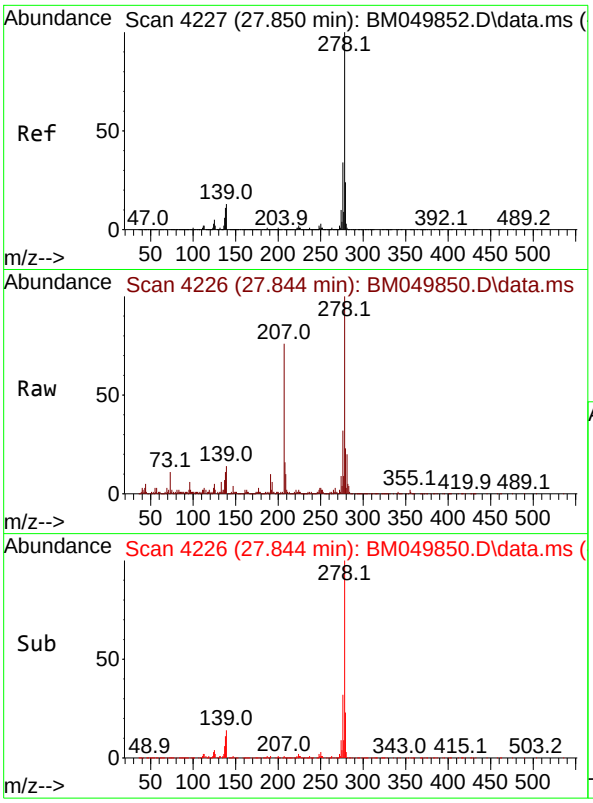


#90
Benzo(a)pyrene
Concen: 9.142 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 698269

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	9.5	7.0	10.4

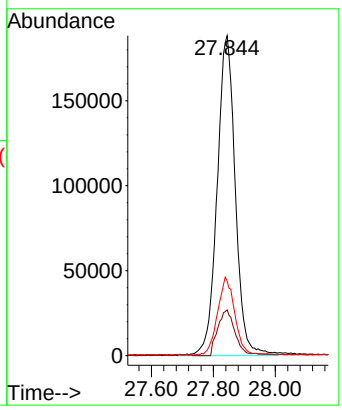




#91
Dibenzo(a,h)anthracene
Concen: 9.188 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:278 Resp: 76780

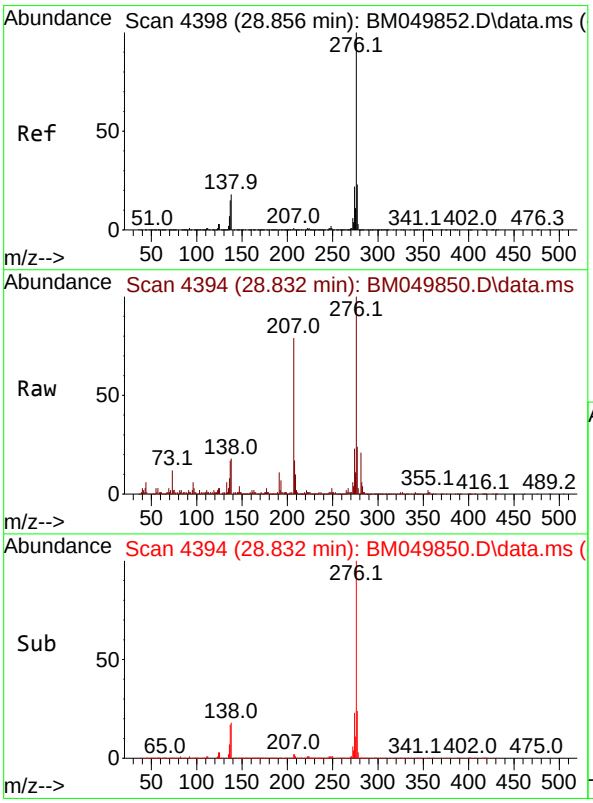
Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.6	15.8
279	23.3	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

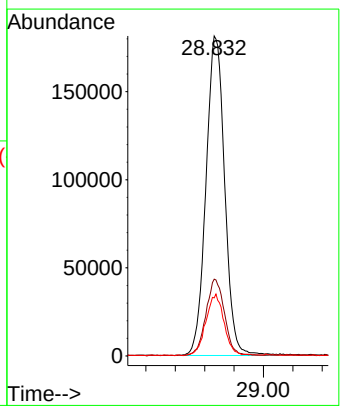
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



#92
Benzo(g,h,i)perylene
Concen: 9.394 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 802183

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	18.1	14.6	21.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318059	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1116195	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	702854	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1378813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1339758	20.000	ng		0.00
86) Perylene-d12	24.403	264	1486954	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	771430	41.186	ng		0.00
7) Phenol-d6	6.951	99	968531	41.560	ng		0.00
23) Nitrobenzene-d5	8.934	82	817733	40.795	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	393158	38.457	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	2107153	40.653	ng		0.00
79) Terphenyl-d14	19.792	244	3051000	42.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	159450	20.670	ng		99
3) Pyridine	3.663	79	420529	20.757	ng		99
4) n-Nitrosodimethylamine	3.569	42	157731	20.450	ng		96
6) Aniline	7.104	93	443873	22.228	ng		100
8) 2-Chlorophenol	7.346	128	397524	20.710	ng		99
9) Benzaldehyde	6.916	77	266386	22.294	ng		99
10) Phenol	6.975	94	471508	20.733	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	364893	20.461	ng		98
12) 1,3-Dichlorobenzene	7.669	146	469124	20.672	ng		100
13) 1,4-Dichlorobenzene	7.816	146	473136	20.720	ng		100
14) 1,2-Dichlorobenzene	8.134	146	446077	20.740	ng		99
15) Benzyl Alcohol	8.016	79	302185	20.592	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	417355	20.996	ng		99
17) 2-Methylphenol	8.222	107	291405	20.793	ng		99
18) Hexachloroethane	8.857	117	165304	20.807	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	273519	21.191	ng		99
20) 3+4-Methylphenols	8.551	107	396422	20.748	ng		98
22) Acetophenone	8.598	105	554070	20.425	ng	#	99
24) Nitrobenzene	8.975	77	395594	20.496	ng		99
25) Isophorone	9.504	82	683707	20.361	ng		100
26) 2-Nitrophenol	9.687	139	203797	19.922	ng		97
27) 2,4-Dimethylphenol	9.751	122	231983	20.010	ng		100
28) bis(2-Chloroethoxy)met...	9.981	93	459217	20.427	ng		99
29) 2,4-Dichlorophenol	10.222	162	388584	20.164	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	448099	20.099	ng		100
31) Naphthalene	10.622	128	1166673	20.341	ng		99
32) Benzoic acid	9.839	122	195350	19.812	ng		97
33) 4-Chloroaniline	10.728	127	420078	20.742	ng		99
34) Hexachlorobutadiene	10.916	225	273841	19.857	ng		99
35) Caprolactam	11.504	113	111645	20.199	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	340457	20.168	ng		98
37) 2-Methylnaphthalene	12.239	142	813541	20.132	ng		100
38) 1-Methylnaphthalene	12.457	142	793590	20.158	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	489705	19.915	ng		99
41) Hexachlorocyclopentadiene	12.592	237	173683	20.158	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	311742	19.924	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

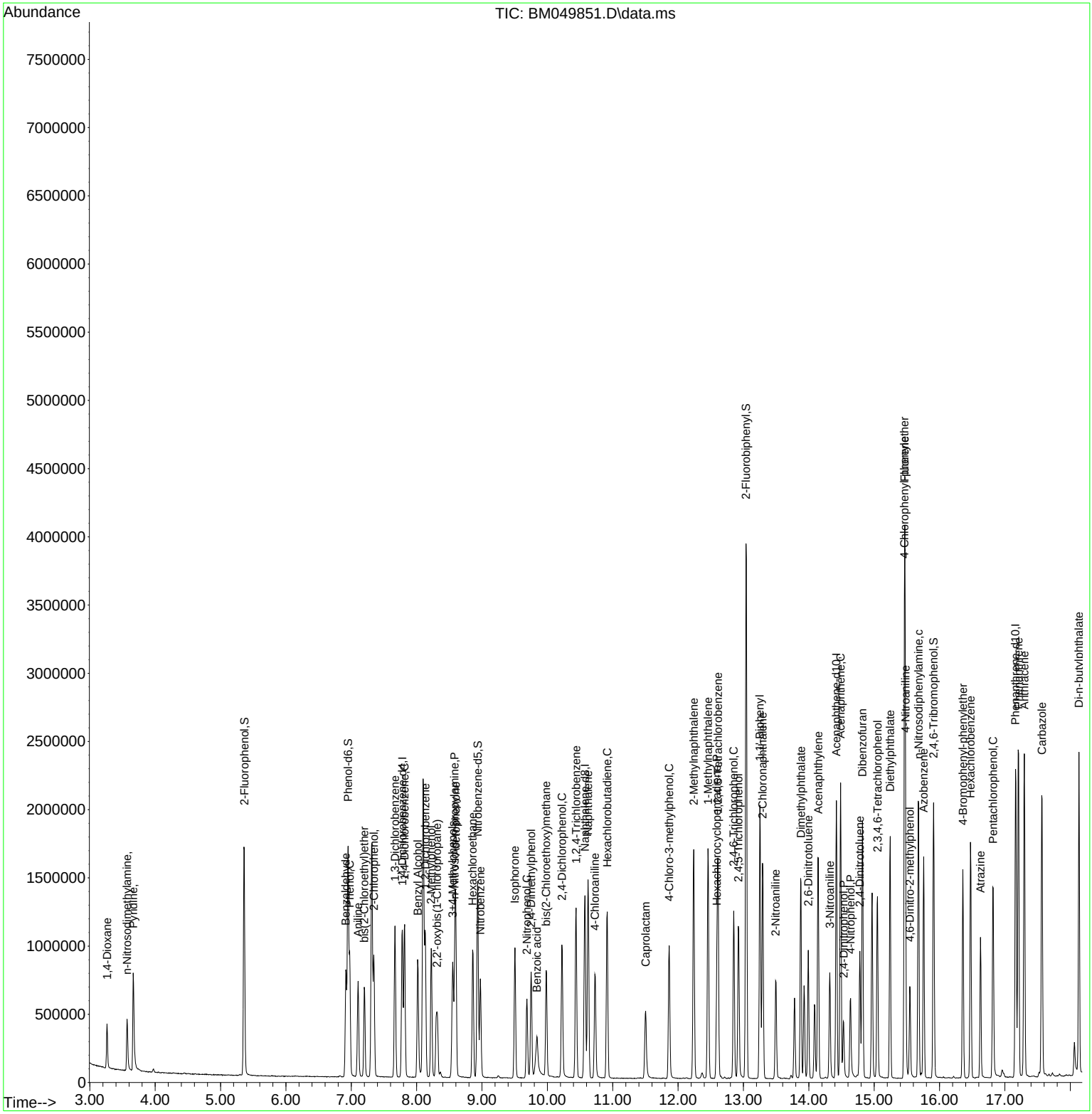
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	332054	19.528	ng	96
46) 1,1'-Biphenyl	13.251	154	1063836	20.361	ng	99
47) 2-Chloronaphthalene	13.292	162	835052	20.334	ng	100
48) 2-Nitroaniline	13.492	65	191426	20.149	ng	94
49) Acenaphthylene	14.145	152	1207654	20.189	ng	99
50) Dimethylphthalate	13.880	163	1005157	20.271	ng	100
51) 2,6-Dinitrotoluene	13.992	165	212702	20.474	ng	98
52) Acenaphthene	14.486	154	765635	20.122	ng	99
53) 3-Nitroaniline	14.322	138	203884	20.306	ng	98
54) 2,4-Dinitrophenol	14.533	184	104048	19.806	ng	97
55) Dibenzofuran	14.822	168	1280124	20.125	ng	99
56) 4-Nitrophenol	14.639	139	180482	20.171	ng	98
57) 2,4-Dinitrotoluene	14.780	165	277724	20.039	ng	99
58) Fluorene	15.469	166	1019442	20.163	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	292142	19.603	ng	99
60) Diethylphthalate	15.245	149	968568	20.369	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	535017	19.737	ng	96
62) 4-Nitroaniline	15.480	138	211717	20.390	ng	93
63) Azobenzene	15.757	77	832670	20.453	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	164040	18.880	ng	94
66) n-Nitrosodiphenylamine	15.680	169	835415	20.246	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	312714	19.537	ng	97
68) Hexachlorobenzene	16.474	284	361698	19.701	ng	96
69) Atrazine	16.627	200	195306	18.255	ng	98
70) Pentachlorophenol	16.821	266	263410	19.488	ng	99
71) Phenanthrene	17.210	178	1510233	19.979	ng	99
72) Anthracene	17.298	178	1481463	19.887	ng	100
73) Carbazole	17.568	167	1411278	20.114	ng	98
74) Di-n-butylphthalate	18.133	149	1638787	20.278	ng	99
75) Fluoranthene	19.221	202	1806131	19.433	ng	99
77) Benzidine	19.409	184	274181	15.426	ng	99
78) Pyrene	19.586	202	1868988	20.242	ng	99
80) Butylbenzylphthalate	20.486	149	719491	20.738	ng	98
81) Benzo(a)anthracene	21.386	228	1788846	20.090	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	658767	19.592	ng	99
83) Chrysene	21.445	228	1689336	19.957	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1058190	20.934	ng	99
85) Di-n-octyl phthalate	22.445	149	1830449	20.699	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	2199957	19.848	ng	99
88) Benzo(b)fluoranthene	23.456	252	1818051	19.144	ng	99
89) Benzo(k)fluoranthene	23.521	252	1797007	19.527	ng	99
90) Benzo(a)pyrene	24.262	252	1629441	19.526	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	1792231	19.631	ng	100
92) Benzo(g,h,i)perylene	28.844	276	1866337	20.005	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

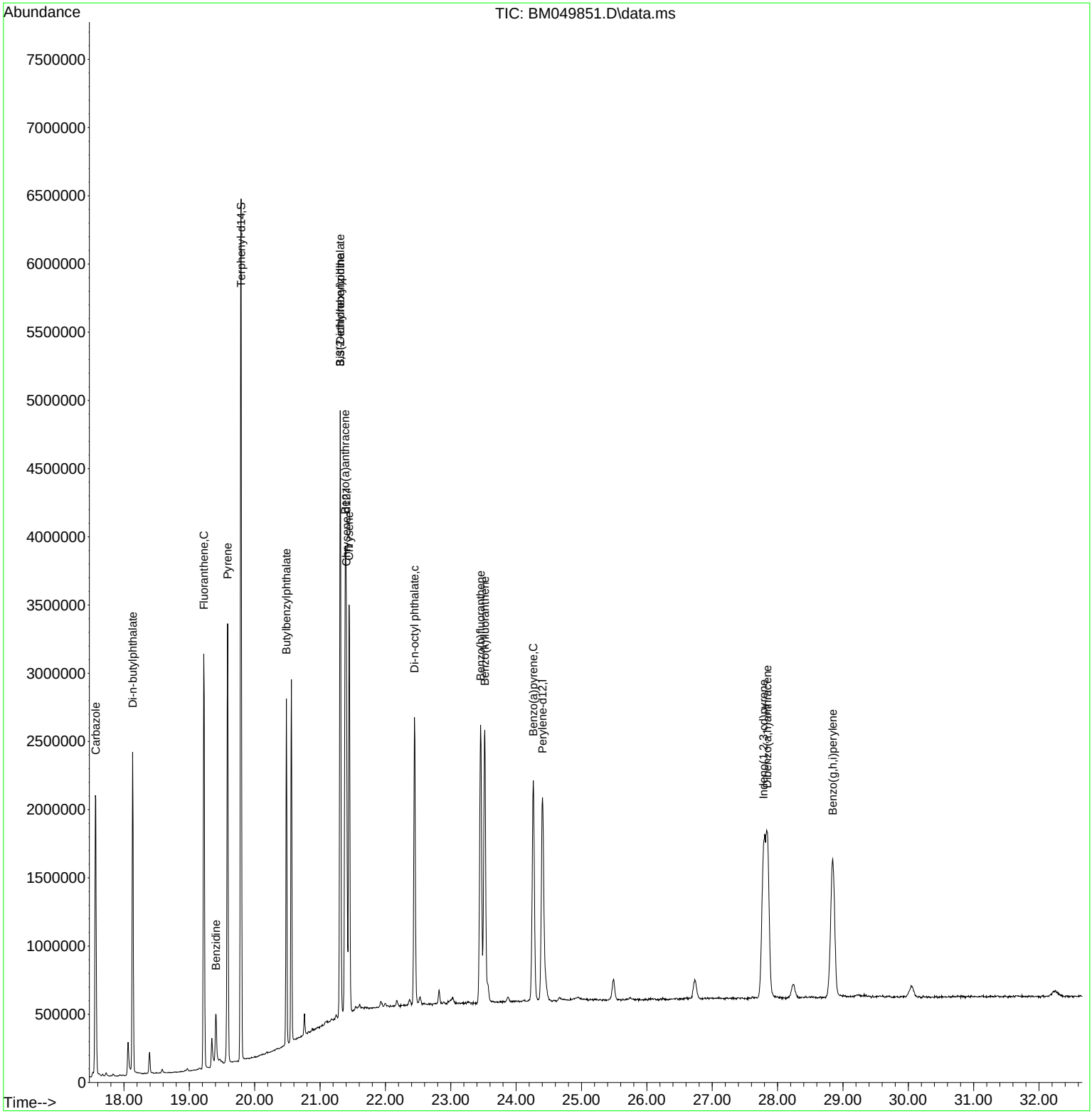
Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

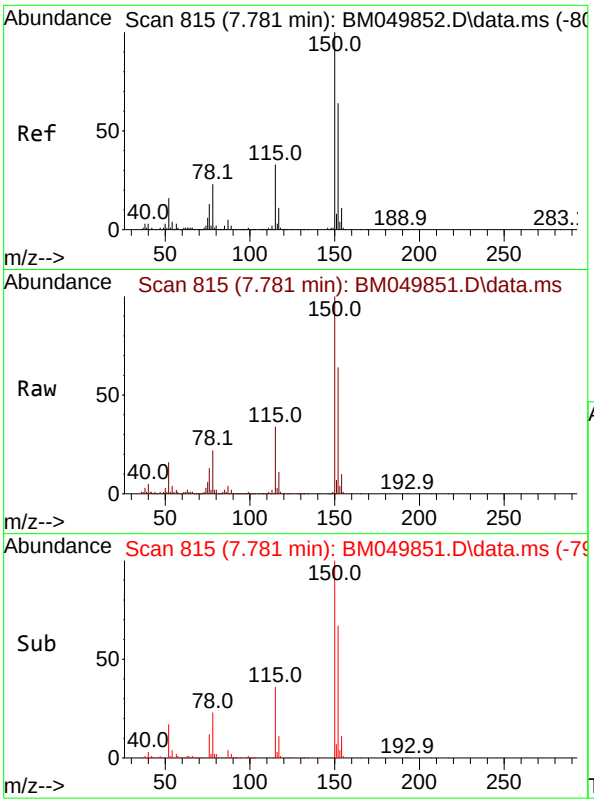


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



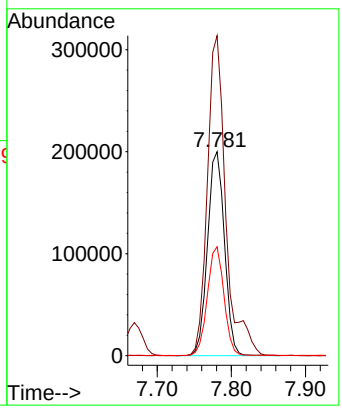


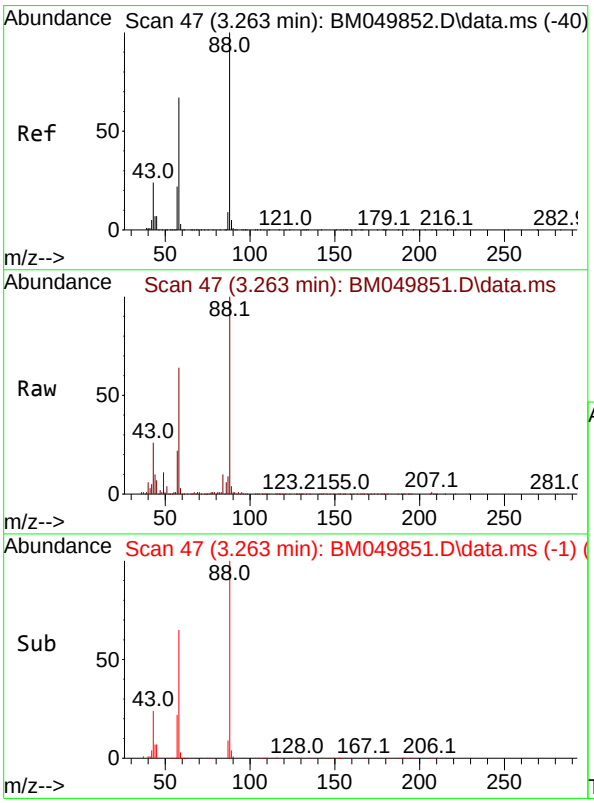
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 318059

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.3	186.5
115	53.4	41.1	61.7

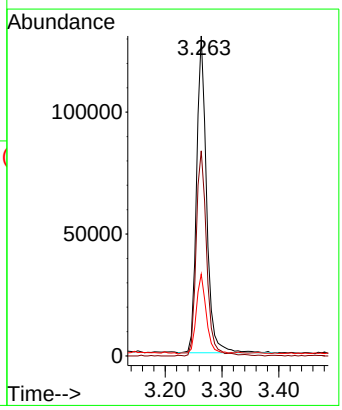


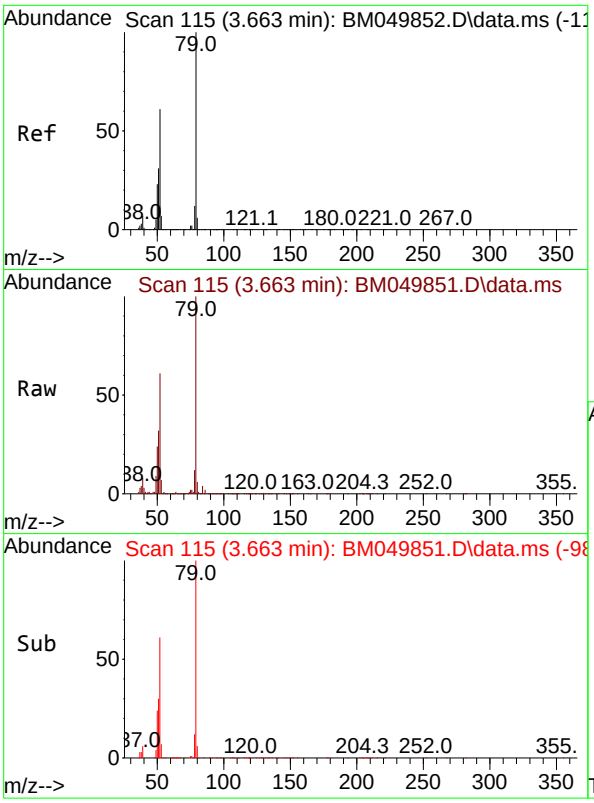


#2
1,4-Dioxane
Concen: 20.670 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 88 Resp: 159450

Ion	Ratio	Lower	Upper
88	100		
58	68.5	54.1	81.1
43	25.5	20.2	30.4



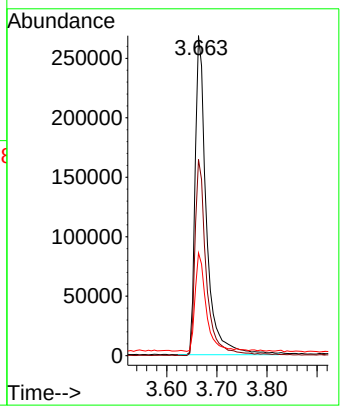


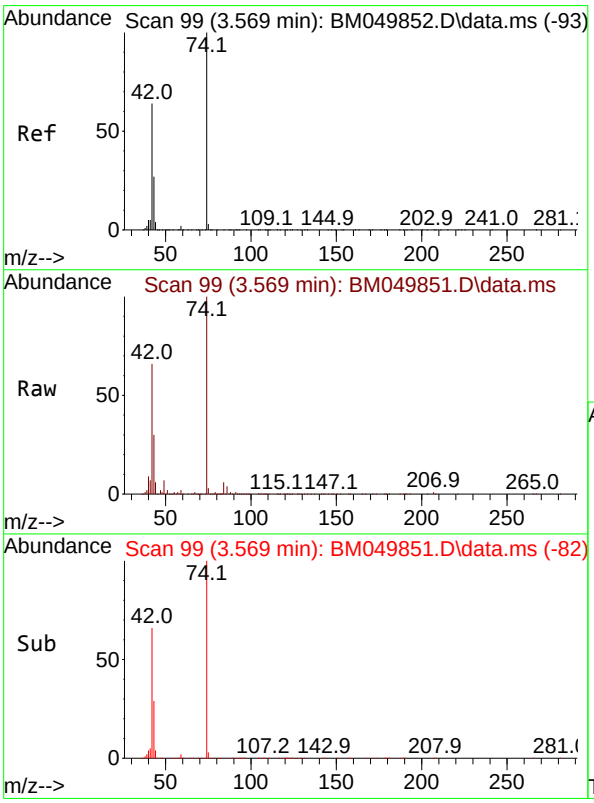
#3
Pyridine
Concen: 20.757 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 420529

Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.9	73.3
51	32.1	25.0	37.6

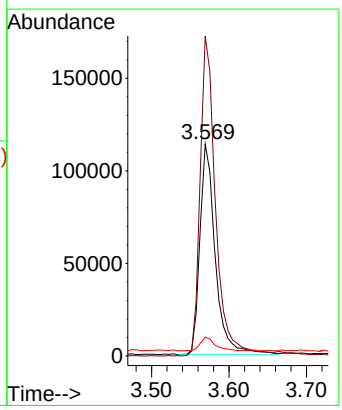


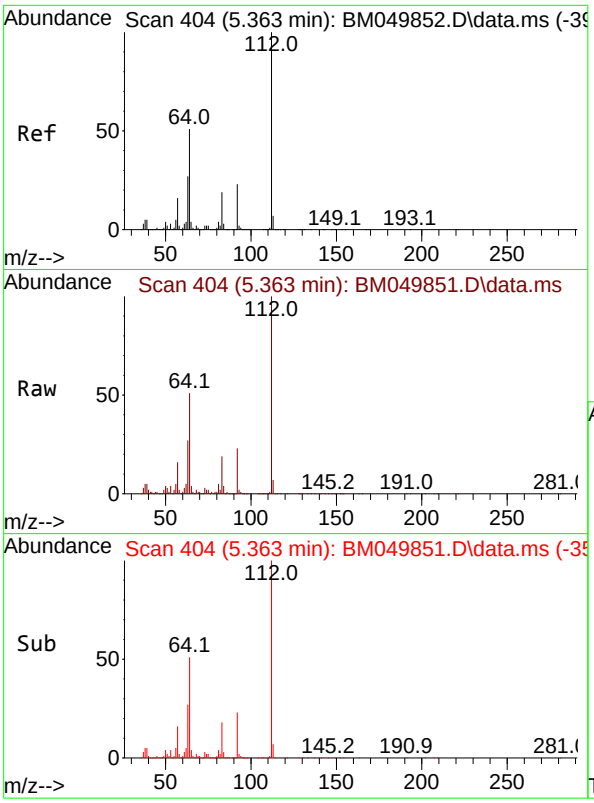


#4
n-Nitrosodimethylamine
Concen: 20.450 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 42 Resp: 157731

Ion	Ratio	Lower	Upper
42	100		
74	151.1	125.4	188.2
44	8.9	5.9	8.9



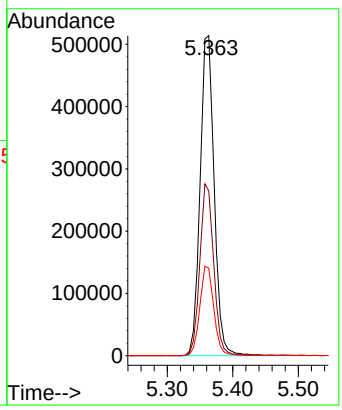


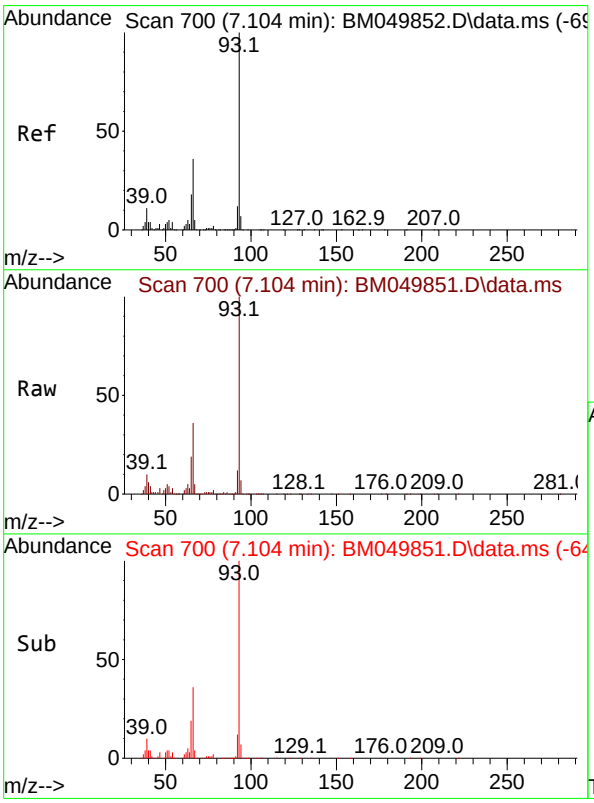
#5
2-Fluorophenol
Concen: 41.186 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 771430

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.0	61.6
63	27.3	21.5	32.3

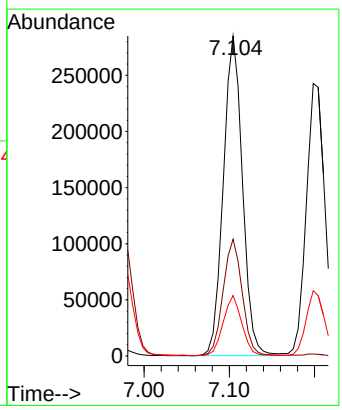


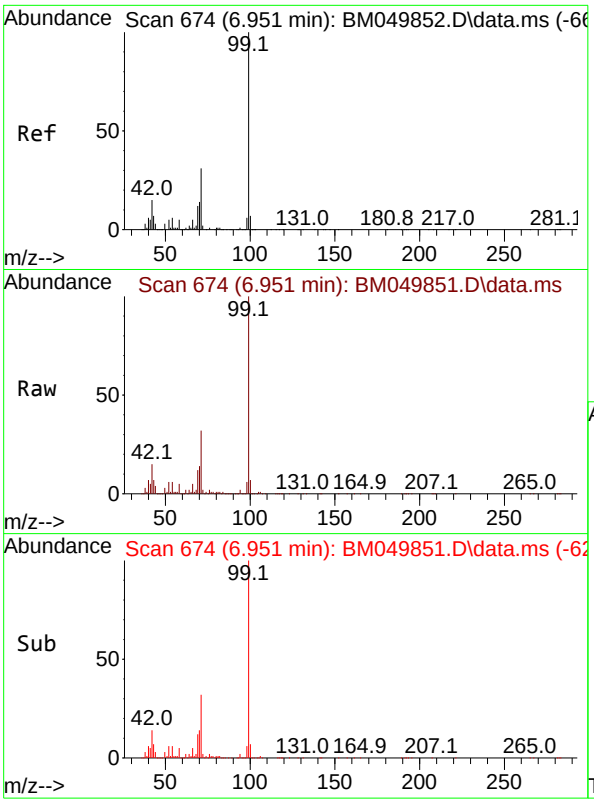


#6
Aniline
Concen: 22.228 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 443873

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.9	14.9	22.3



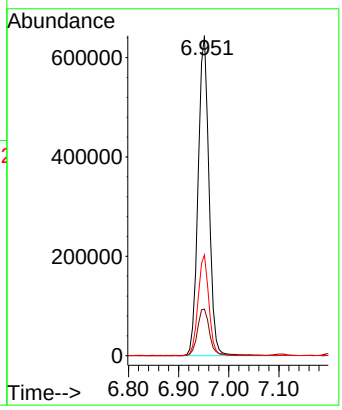


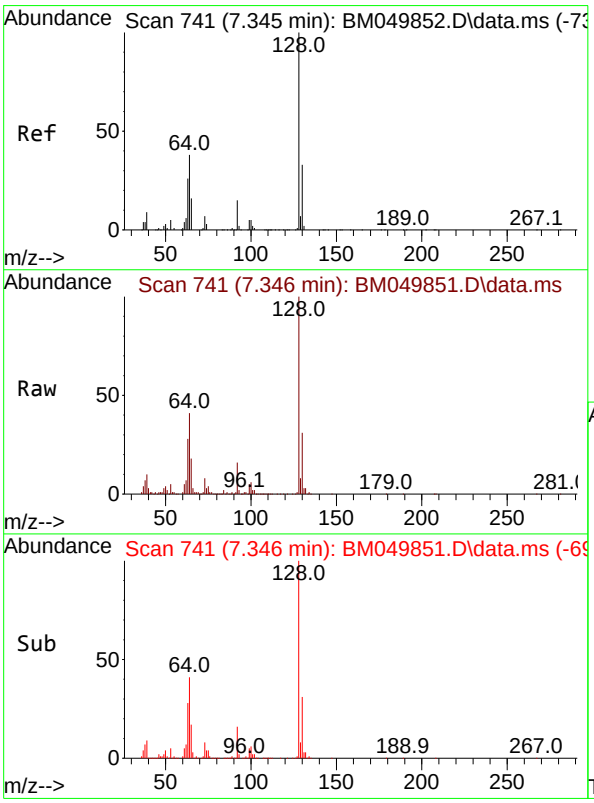
#7
Phenol-d6
Concen: 41.560 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 968531

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.5	24.9	37.3

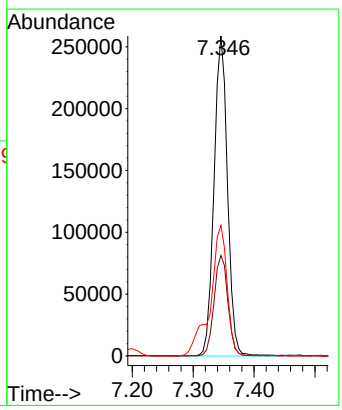


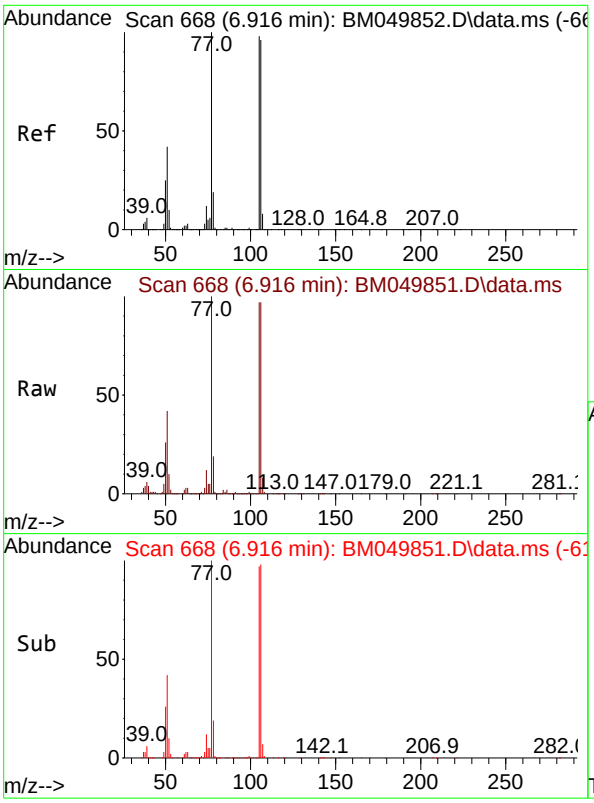


#8
2-Chlorophenol
Concen: 20.710 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:128 Resp: 397524

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.6	52.6
64	40.8	21.1	61.1



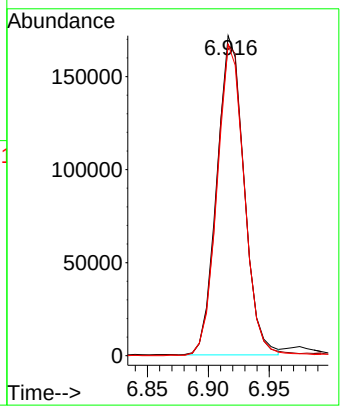


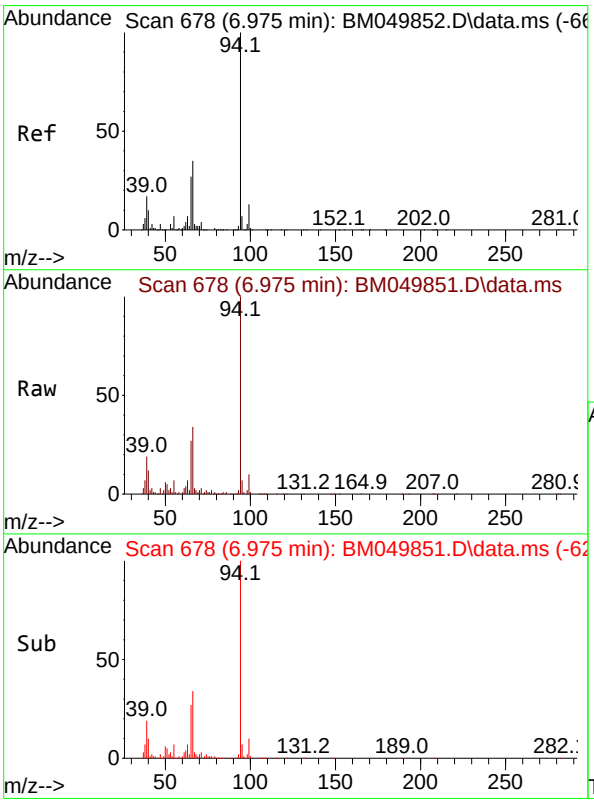
#9
Benzaldehyde
Concen: 22.294 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 266386

Ion	Ratio	Lower	Upper
77	100		
105	97.1	78.3	118.3
106	97.4	76.0	116.0

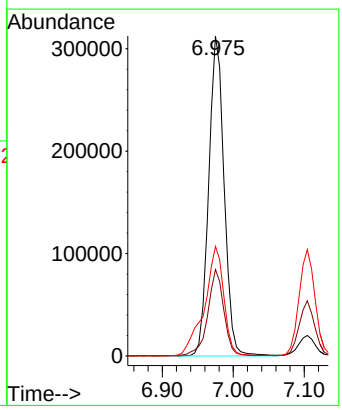


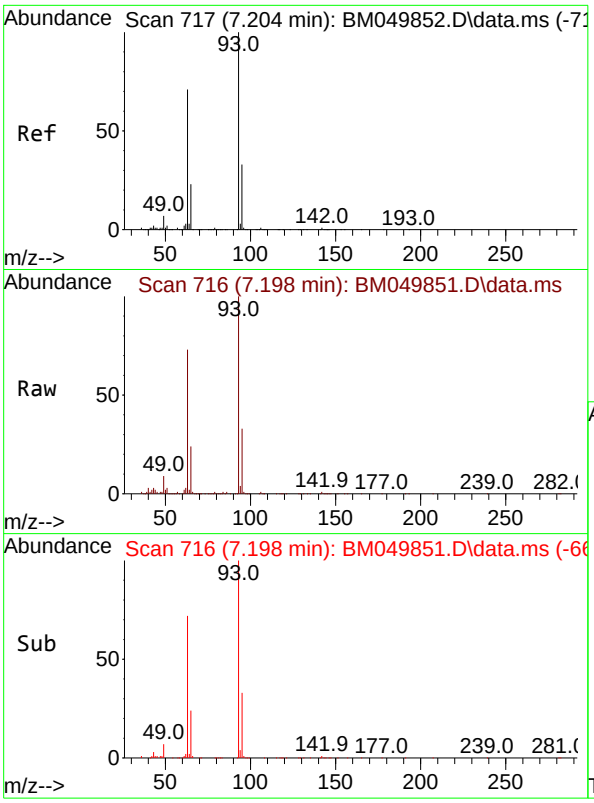


#10
Phenol
Concen: 20.733 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 94 Resp: 471508

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.3	47.3
66	34.3	14.8	54.8



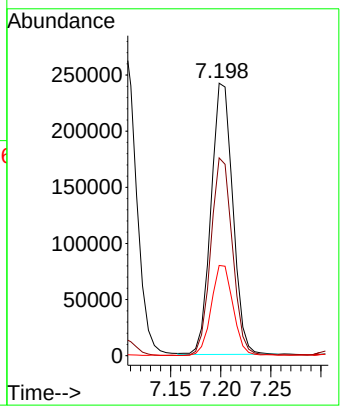


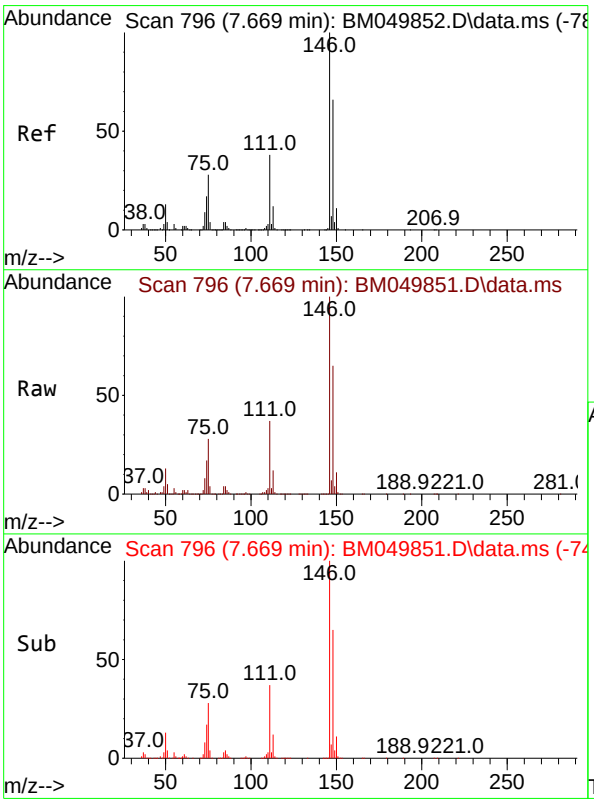
#11
bis(2-Chloroethyl)ether
Concen: 20.461 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 364893

Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.1	12.6	52.6

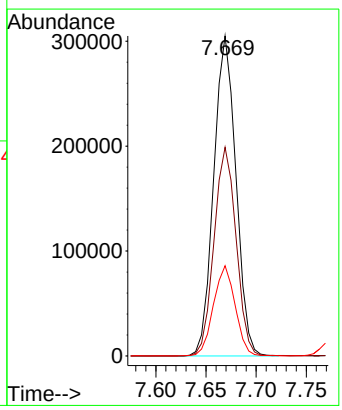


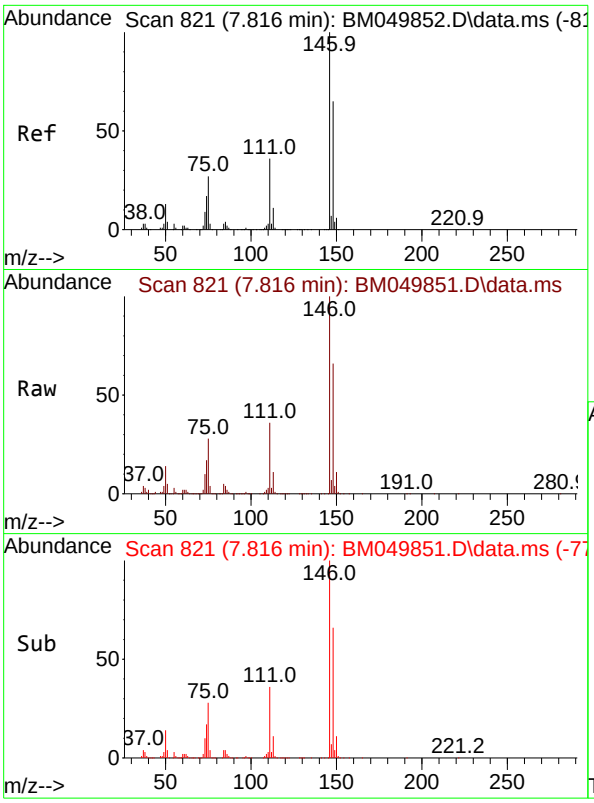


#12
1,3-Dichlorobenzene
Concen: 20.672 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 469124

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.5	78.7
75	28.2	22.5	33.7



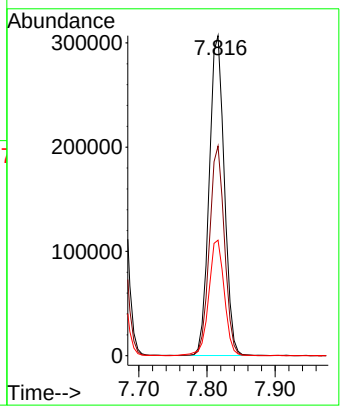


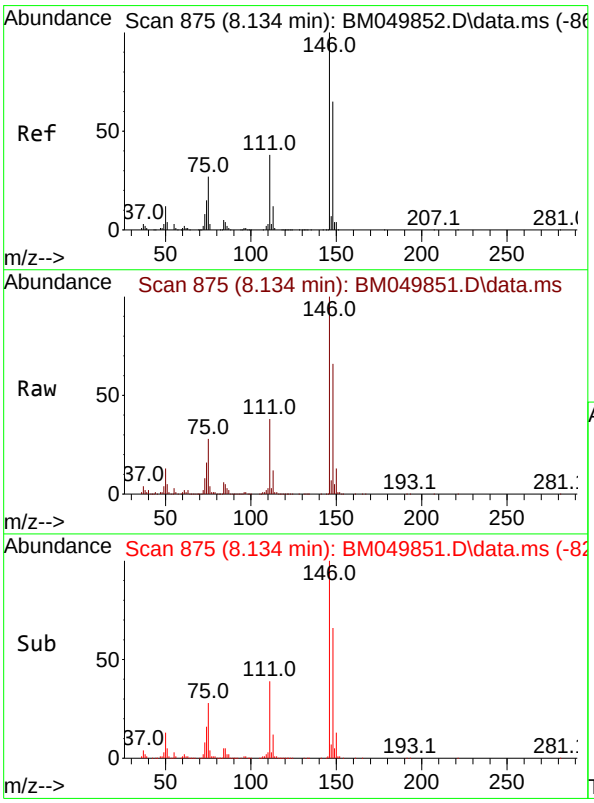
#13
1,4-Dichlorobenzene
Concen: 20.720 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 473136

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	36.1	28.5	42.7

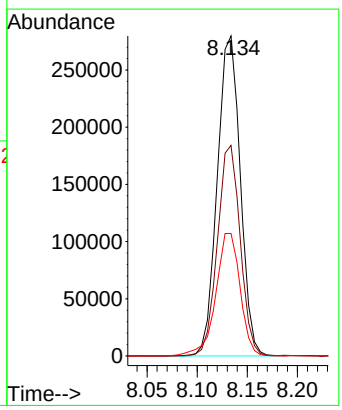


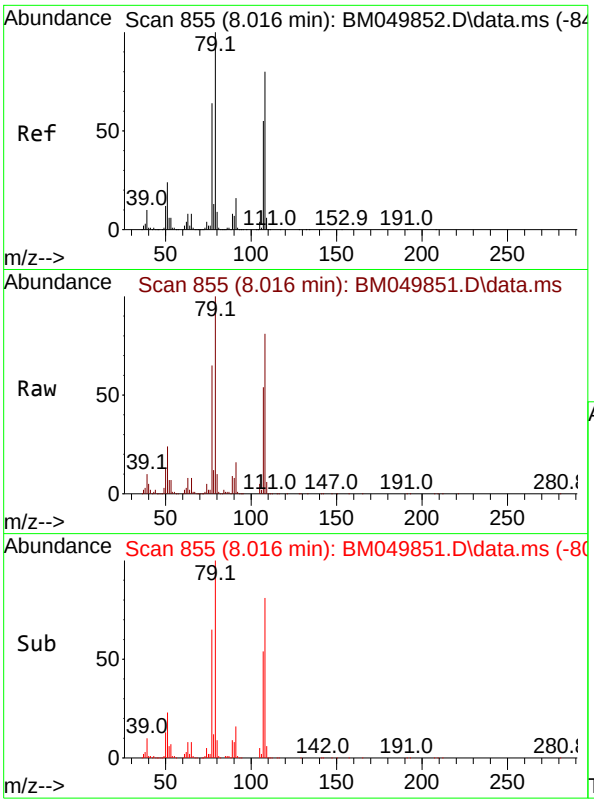


#14
1,2-Dichlorobenzene
Concen: 20.740 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 446077

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.3	30.2	45.4



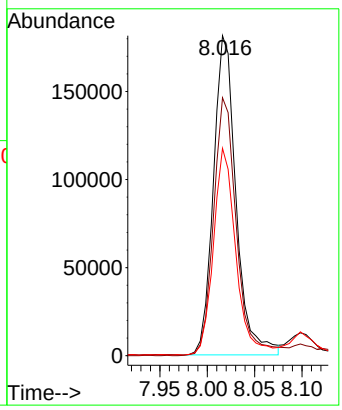


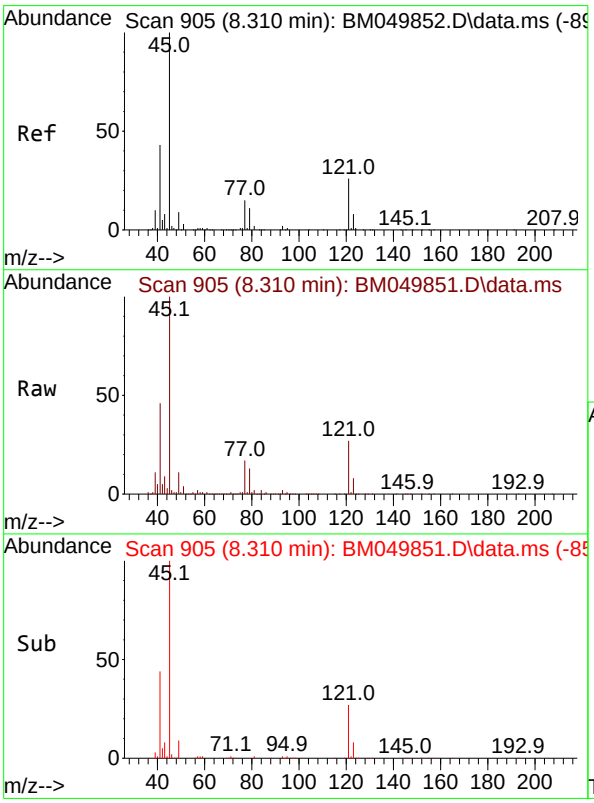
#15
Benzyl Alcohol
Concen: 20.592 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 302185

Ion	Ratio	Lower	Upper
79	100		
108	80.6	63.6	95.4
77	64.8	51.3	76.9

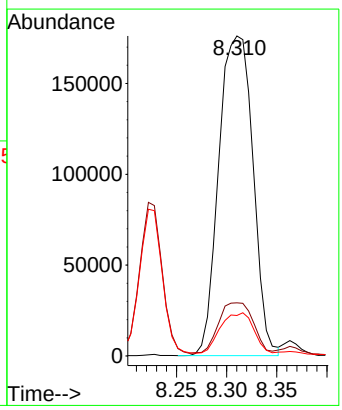


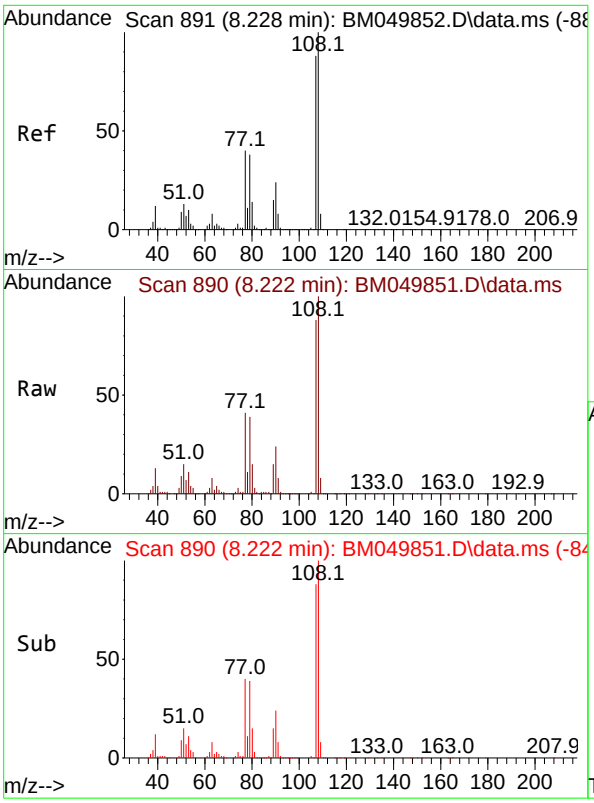


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.996 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 45 Resp: 417355

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.9
79	12.7	0.0	32.9



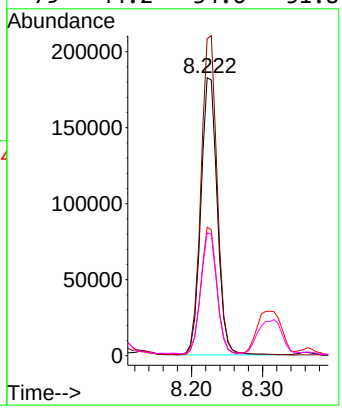


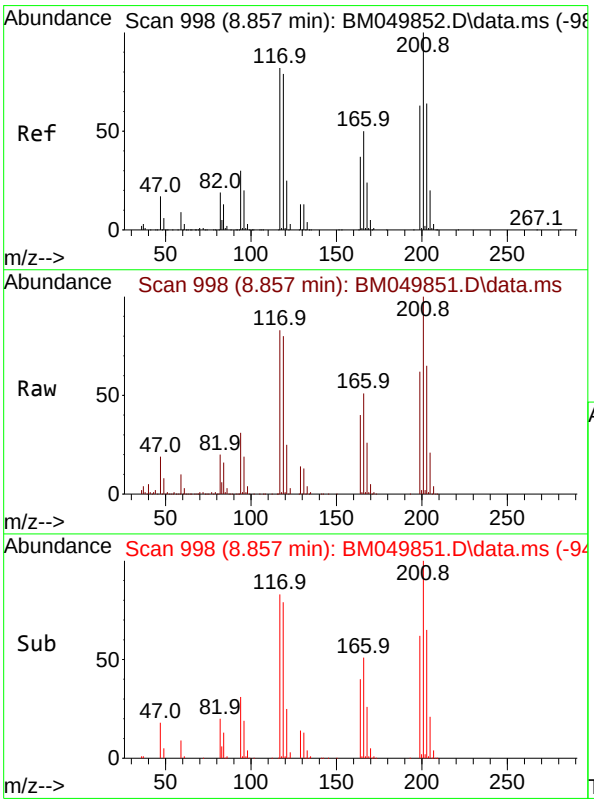
#17
2-Methylphenol
Concen: 20.793 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 291405

Ion	Ratio	Lower	Upper
107	100		
108	114.0	91.0	136.6
77	46.2	36.5	54.7
79	44.2	34.6	51.8

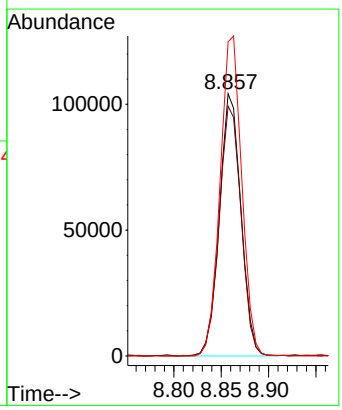


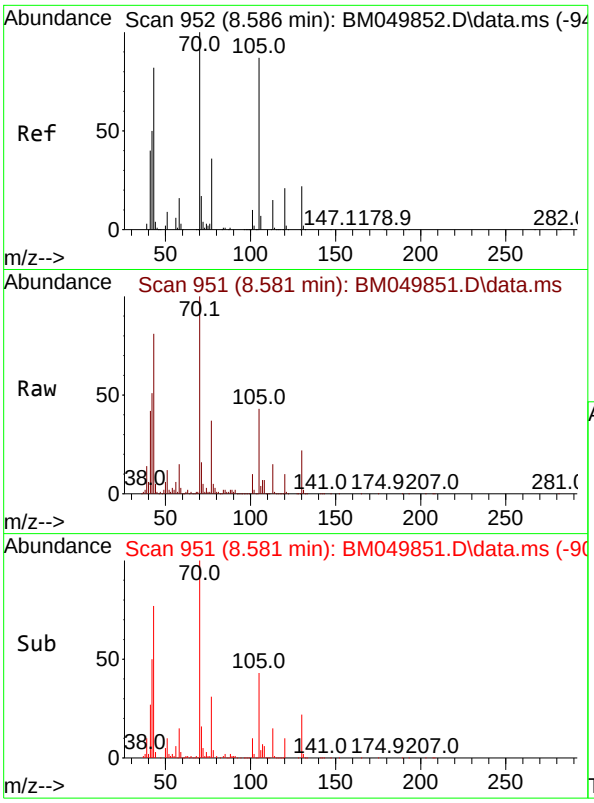


#18
Hexachloroethane
Concen: 20.807 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:117 Resp: 165304

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
201	119.8	97.7	146.5



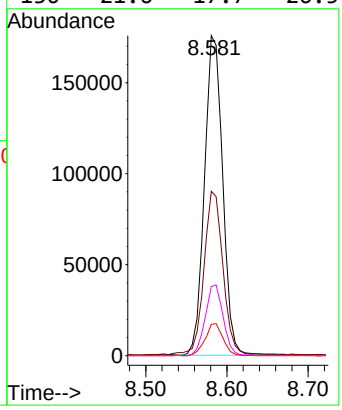


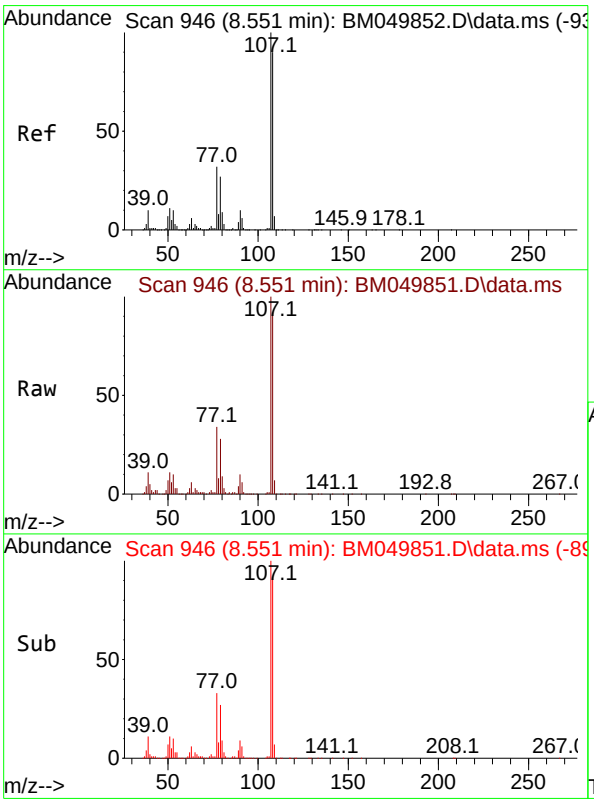
#19
n-Nitroso-di-n-propylamine
Concen: 21.191 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 273519

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	9.8	7.9	11.9
130	21.6	17.7	26.5

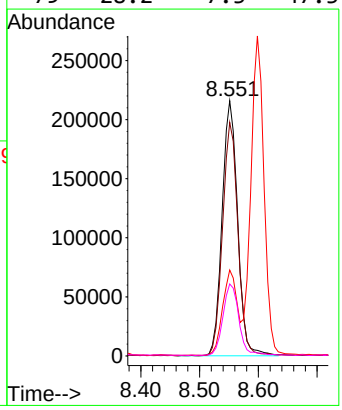


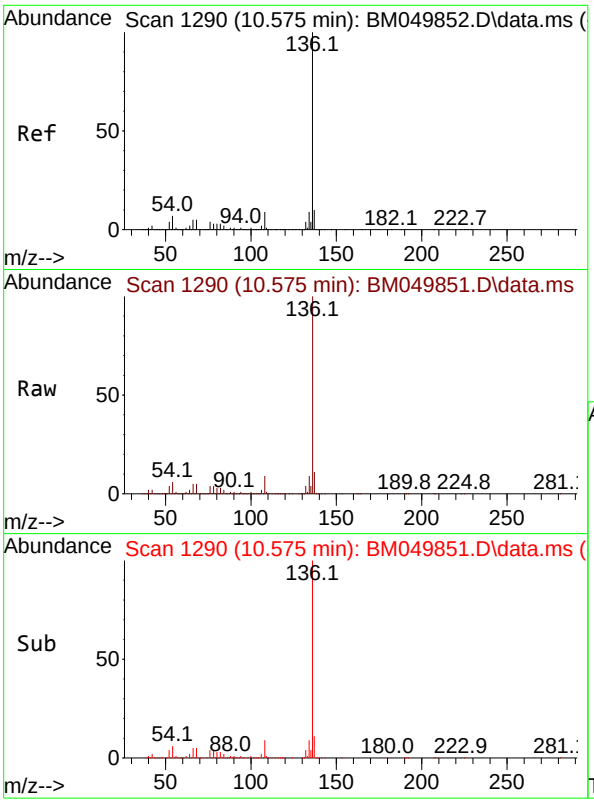


#20
3+4-Methylphenols
Concen: 20.748 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 396422

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.7	11.7	51.7
79	28.2	7.3	47.3



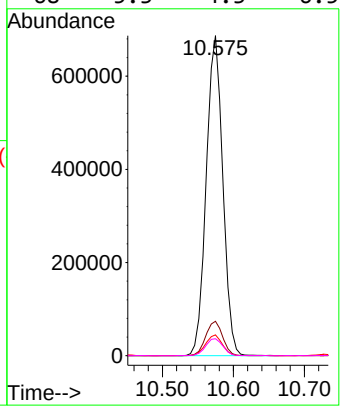


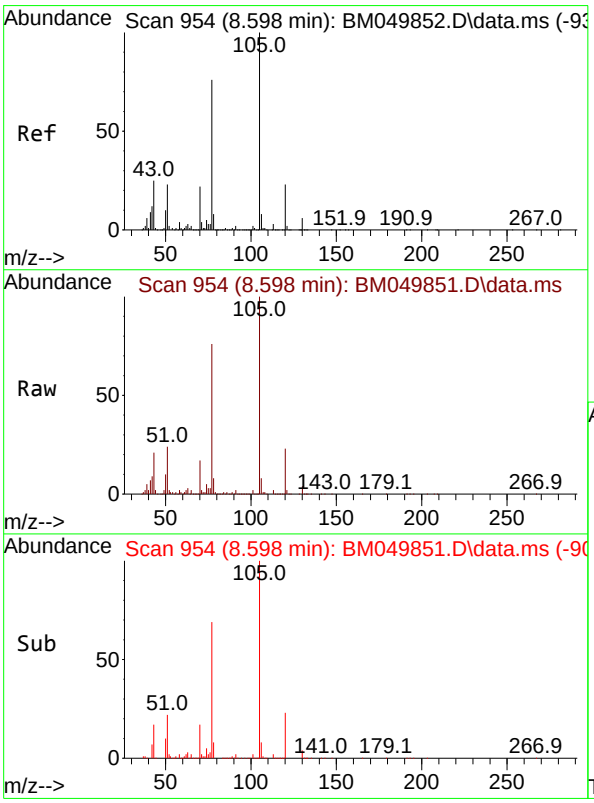
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1116195

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.5	5.3	7.9
68	5.3	4.3	6.5

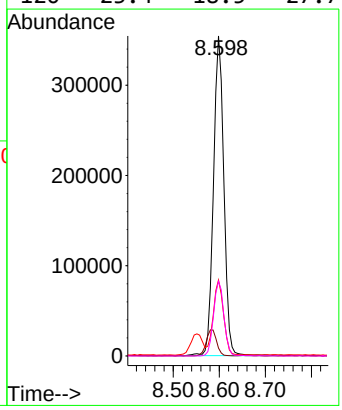


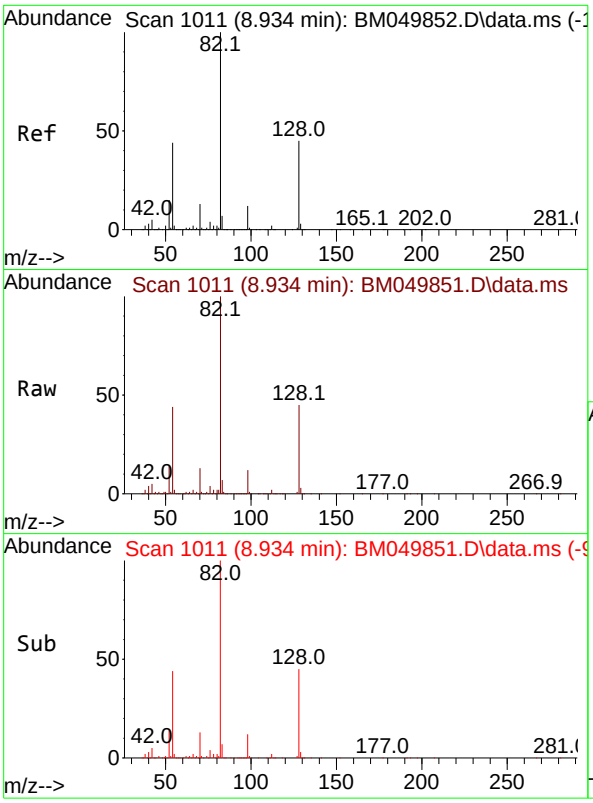


#22
Acetophenone
Concen: 20.425 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:105 Resp: 554070

Ion	Ratio	Lower	Upper
105	100		
71	2.5	3.0	4.4#
51	23.7	18.6	27.8
120	23.4	18.5	27.7



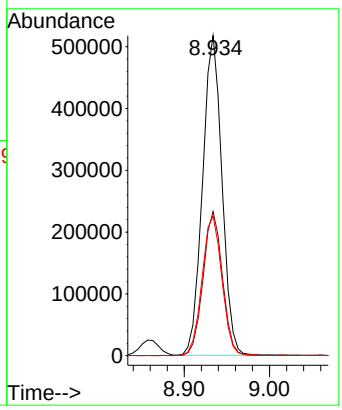


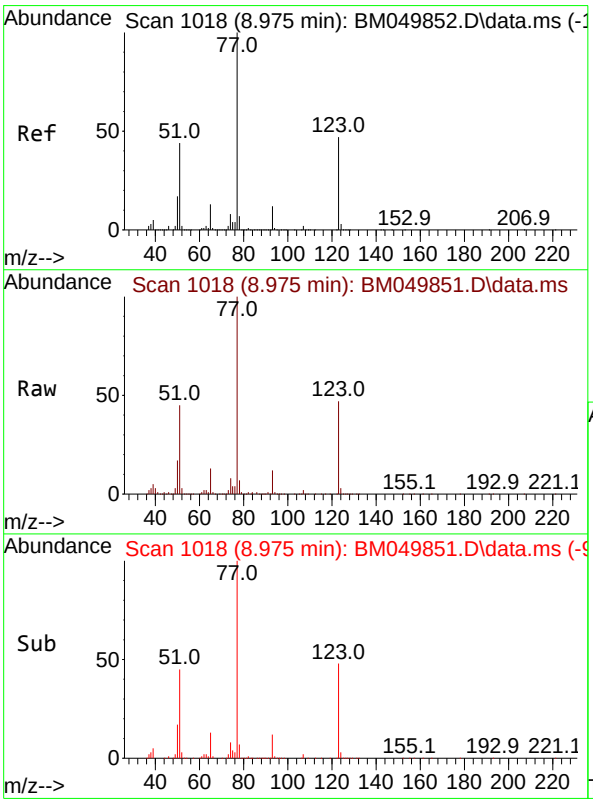
#23
Nitrobenzene-d5
Concen: 40.795 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 817733

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.2	54.2
54	43.6	35.0	52.6

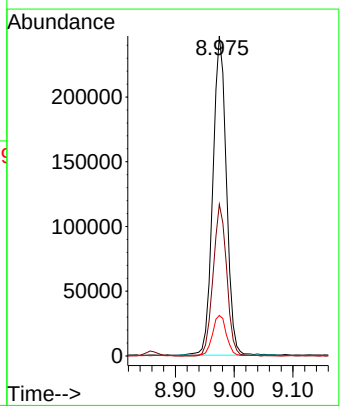


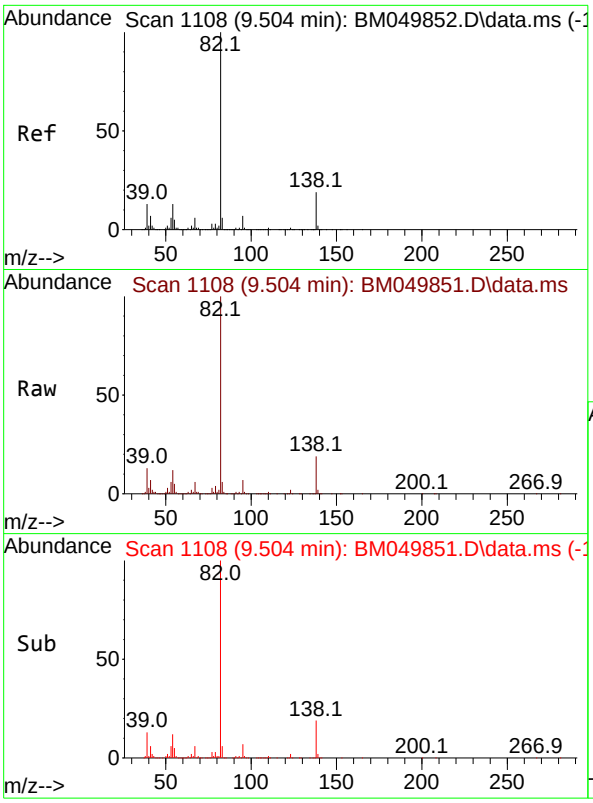


#24
Nitrobenzene
Concen: 20.496 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 77 Resp: 395594

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.4	56.2
65	12.7	10.1	15.1



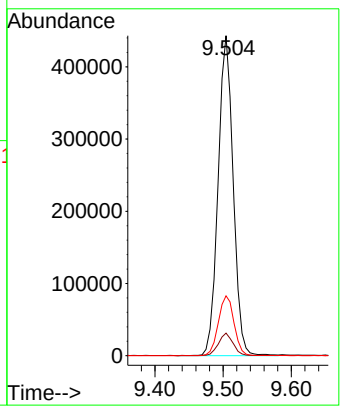


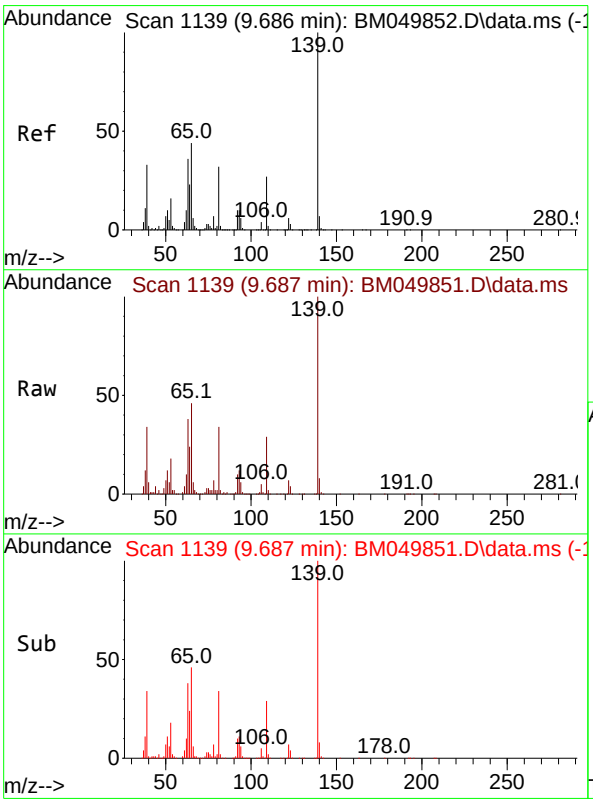
#25
Isophorone
Concen: 20.361 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 683707

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	15.0	22.6

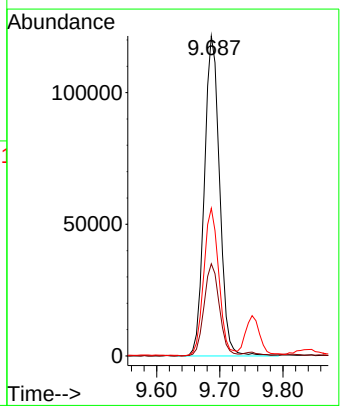


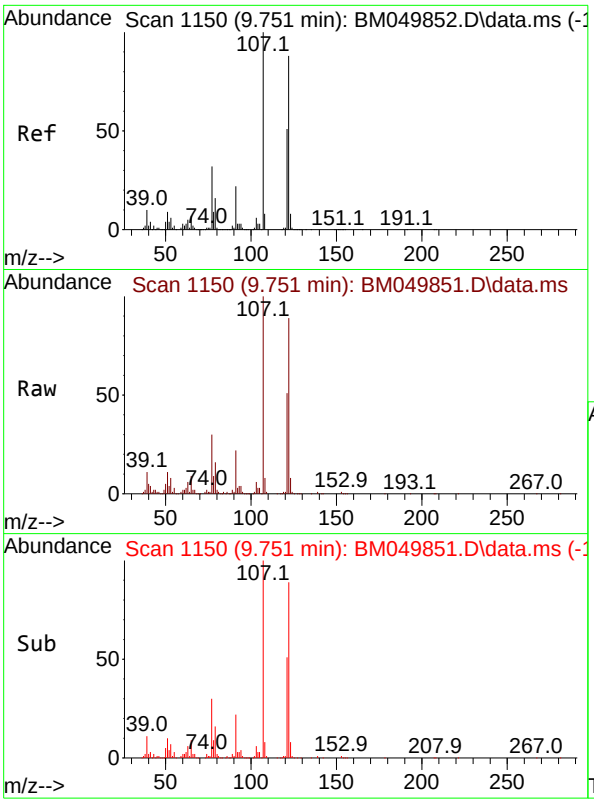


#26
2-Nitrophenol
Concen: 19.922 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 203797

Ion	Ratio	Lower	Upper
139	100		
109	28.8	21.7	32.5
65	46.1	35.2	52.8



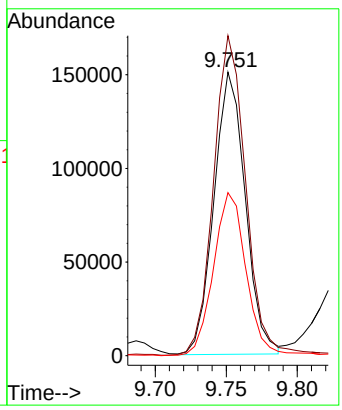


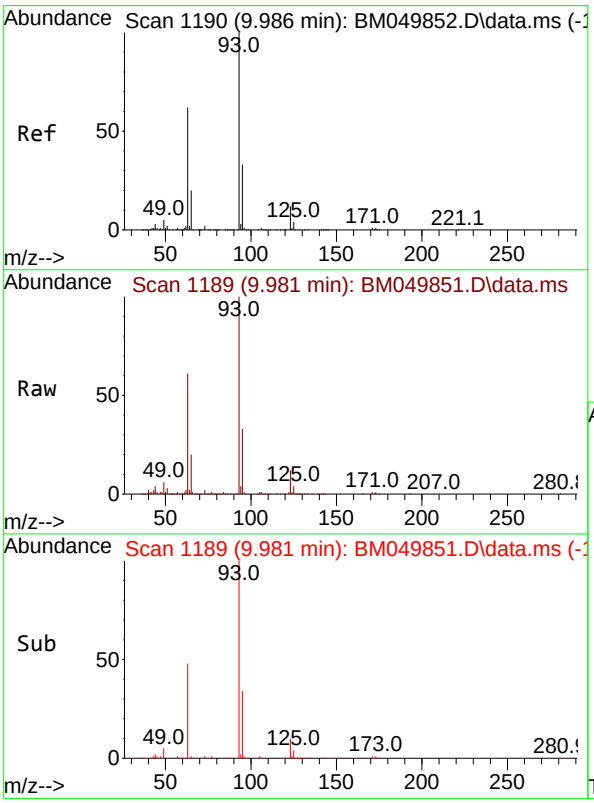
#27
2,4-Dimethylphenol
Concen: 20.010 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 231983

Ion	Ratio	Lower	Upper
122	100		
107	112.8	90.3	135.5
121	57.5	46.1	69.1

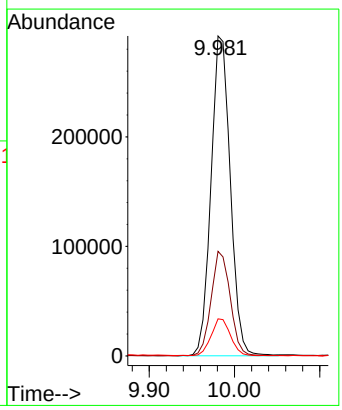


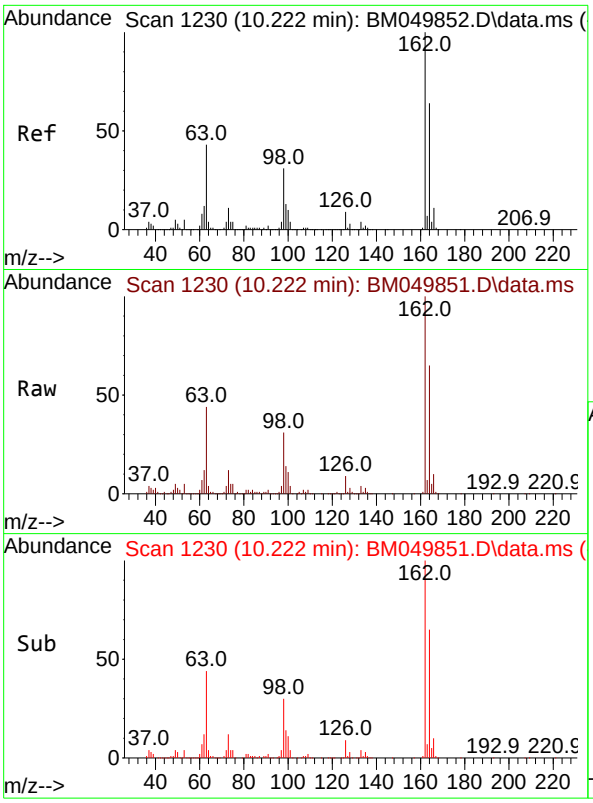


#28
bis(2-Chloroethoxy)methane
Concen: 20.427 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 459217

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



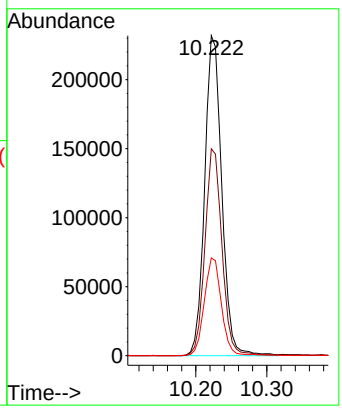


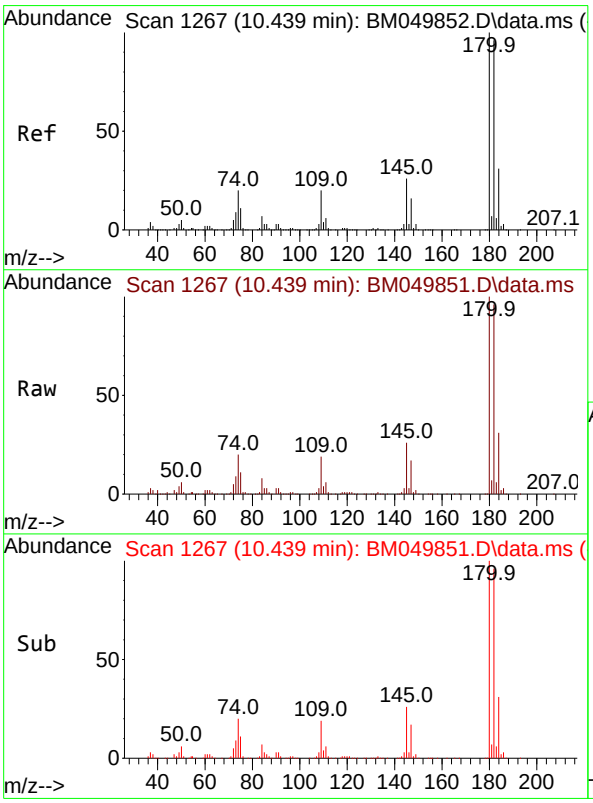
#29
2,4-Dichlorophenol
Concen: 20.164 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 388584

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	30.6	10.9	50.9

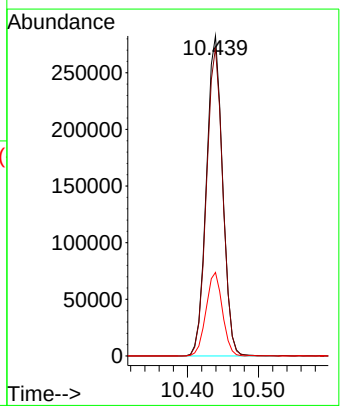


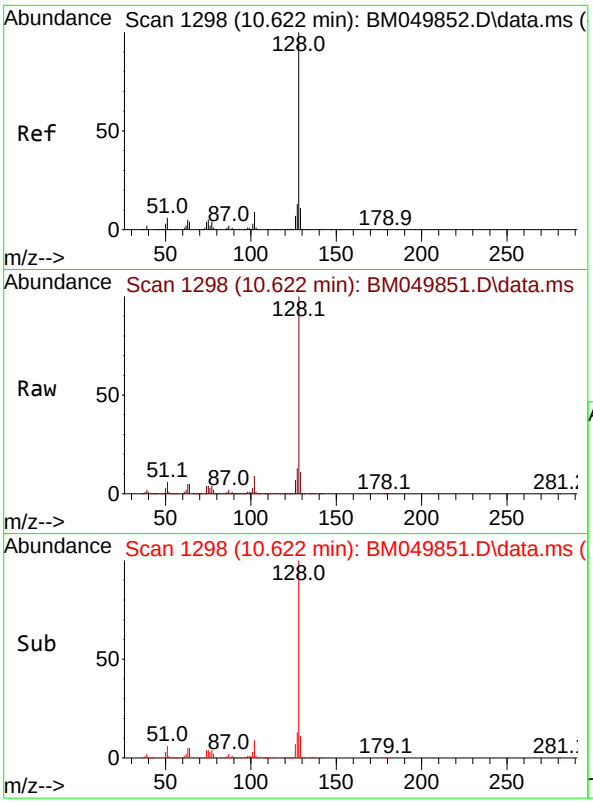


#30
1,2,4-Trichlorobenzene
Concen: 20.099 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:180 Resp: 448099

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	26.1	20.8	31.2



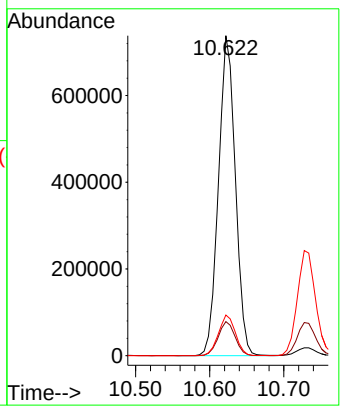


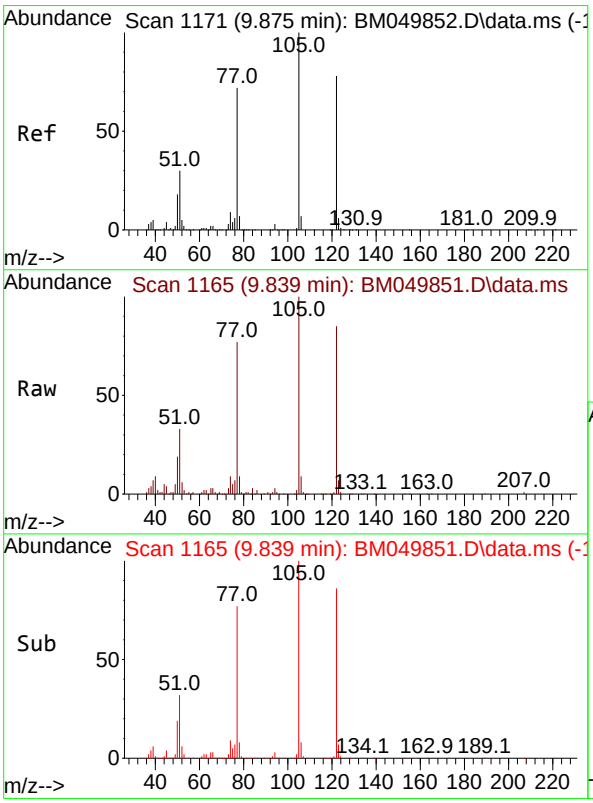
#31
Naphthalene
Concen: 20.341 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1166673

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.6	15.8

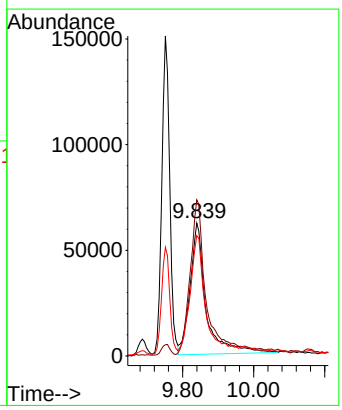


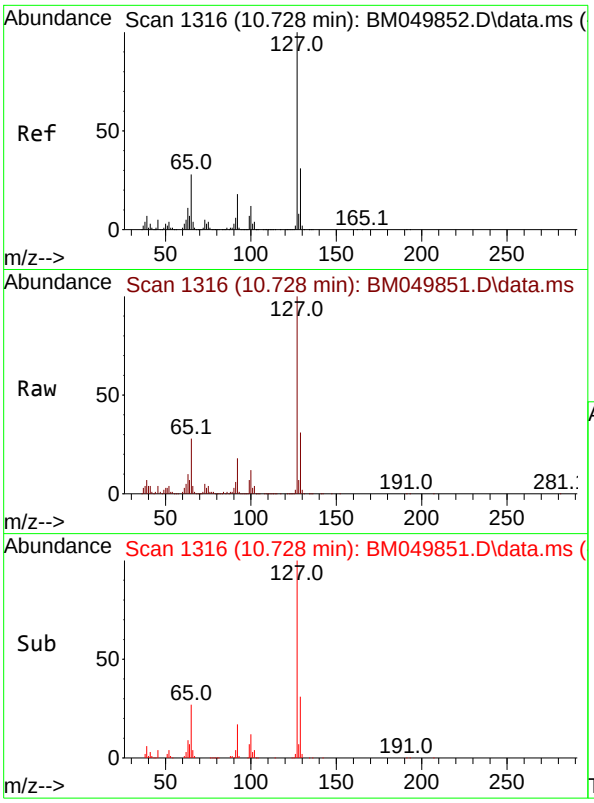


#32
Benzoic acid
Concen: 19.812 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.036 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:122 Resp: 195350

Ion	Ratio	Lower	Upper
122	100		
105	117.4	103.8	143.8
77	90.5	70.7	110.7



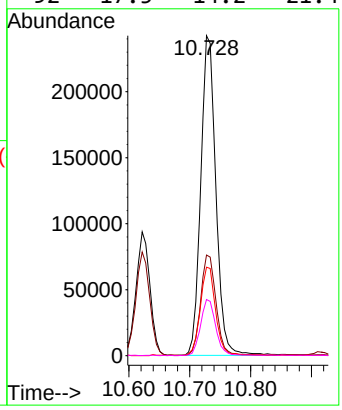


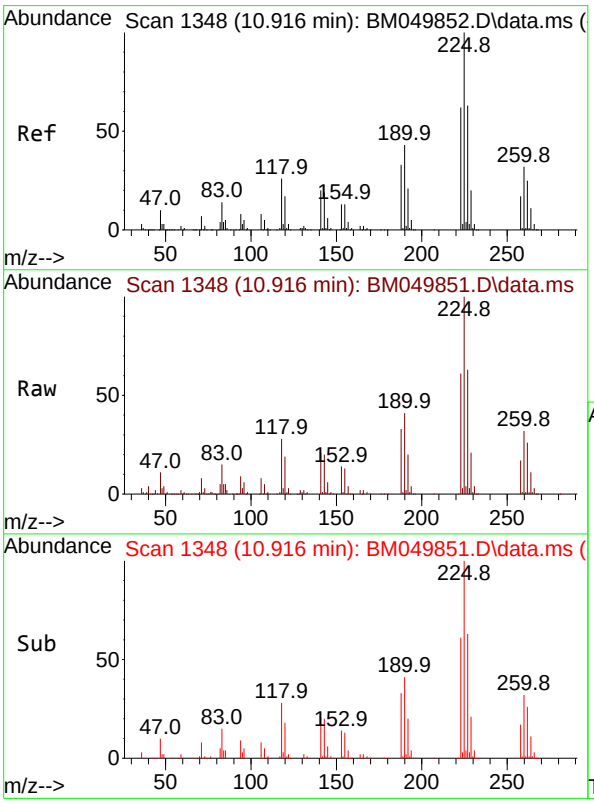
#33
4-Chloroaniline
Concen: 20.742 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420078

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.9	37.3
65	27.6	22.4	33.6
92	17.5	14.2	21.4

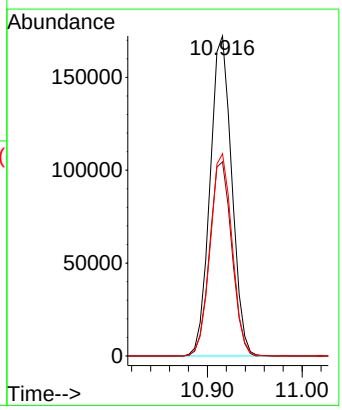


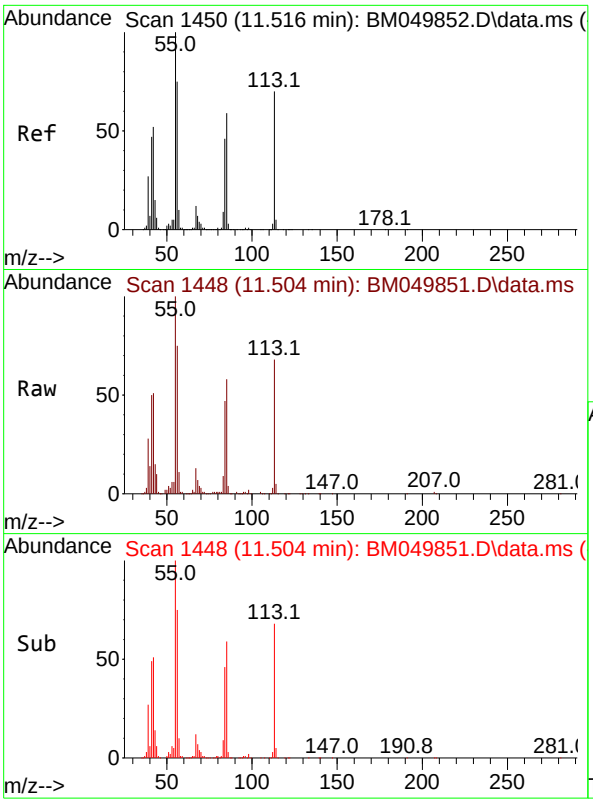


#34
Hexachlorobutadiene
Concen: 19.857 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:225 Resp: 273841

Ion	Ratio	Lower	Upper
225	100		
223	60.6	49.4	74.2
227	63.2	50.1	75.1



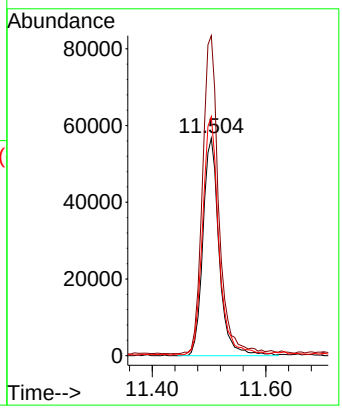


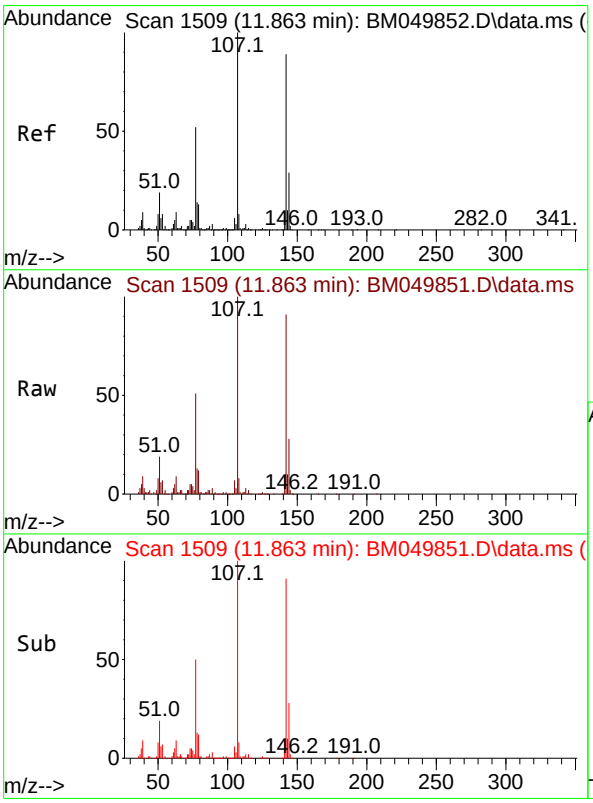
#35
Caprolactam
Concen: 20.199 ng
RT: 11.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 111645

Ion	Ratio	Lower	Upper
113	100		
55	147.1	124.3	164.3
56	109.9	87.5	127.5

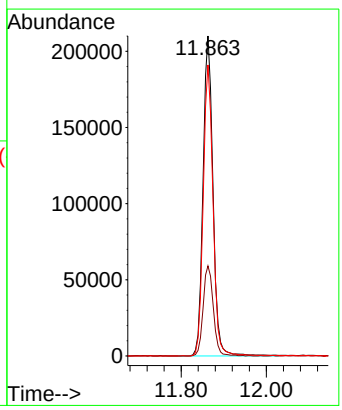


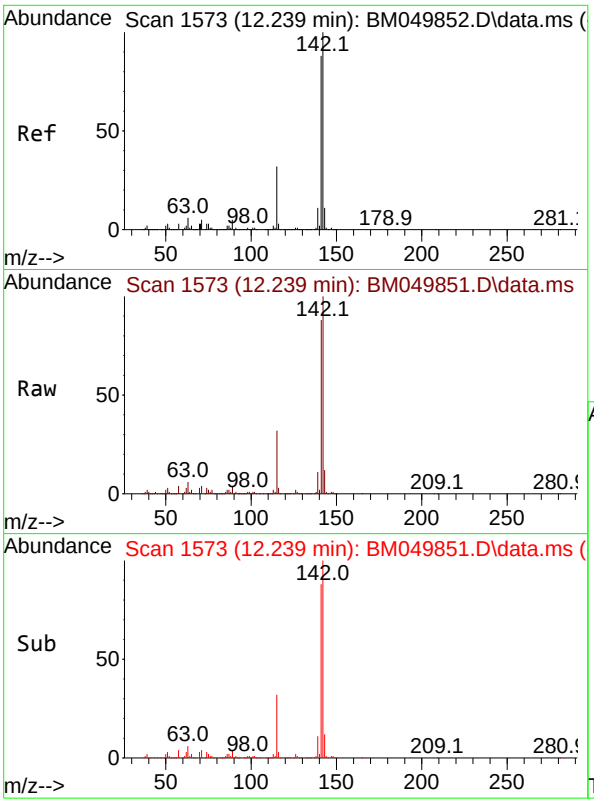


#36
4-Chloro-3-methylphenol
Concen: 20.168 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 340457

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.6	35.4
142	91.0	71.4	107.0



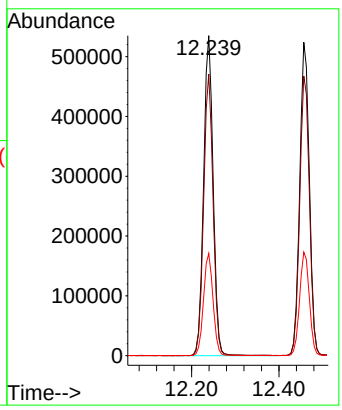


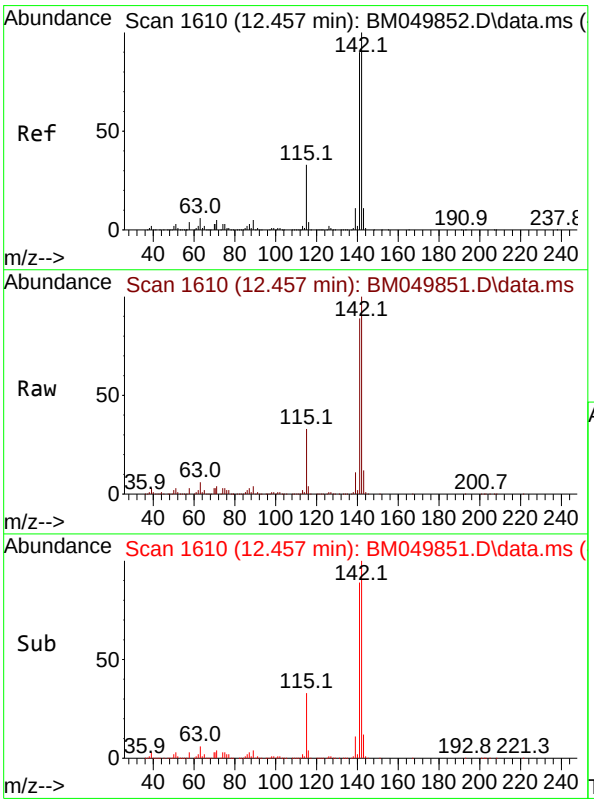
#37
2-Methylnaphthalene
Concen: 20.132 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 813541

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.2
115	32.0	25.4	38.2

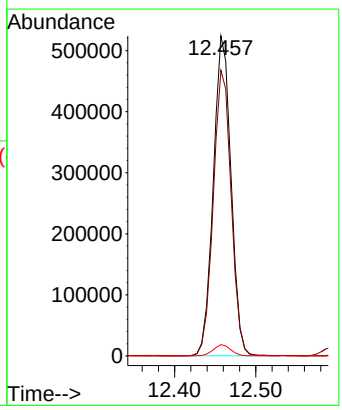


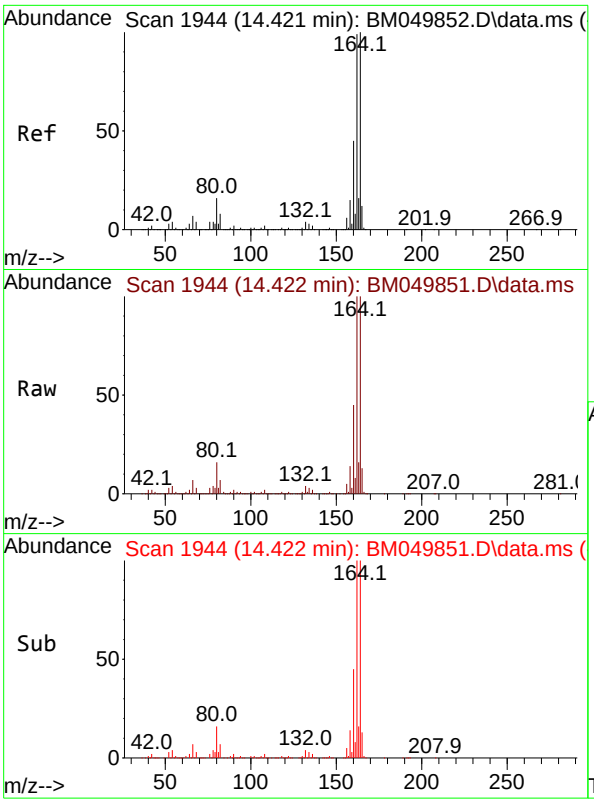


#38
1-Methylnaphthalene
Concen: 20.158 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:142 Resp: 793590

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2
116	3.5	2.9	4.3



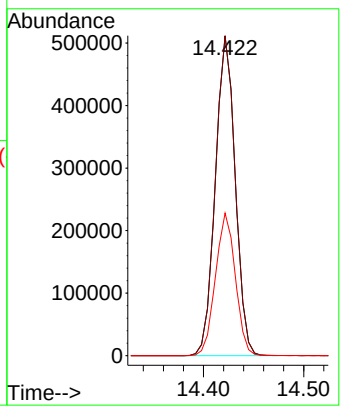


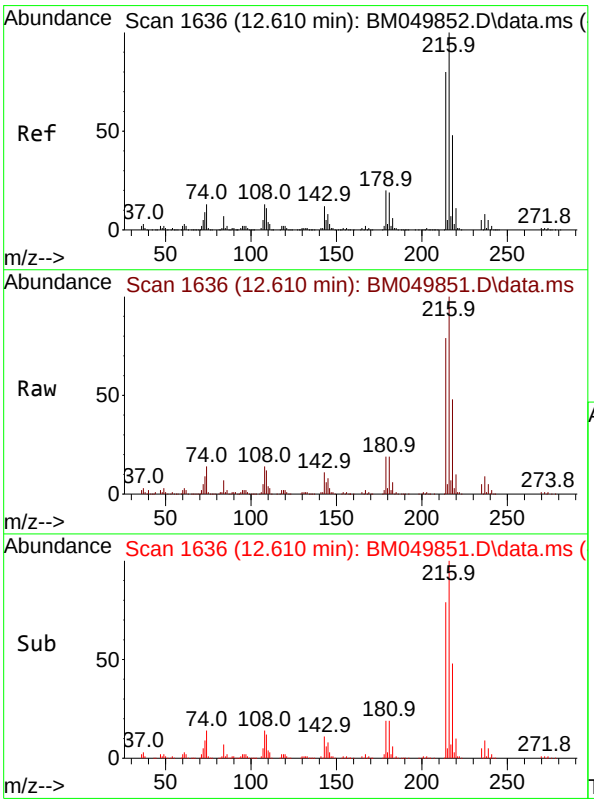
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 702854

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.6	36.2	54.2

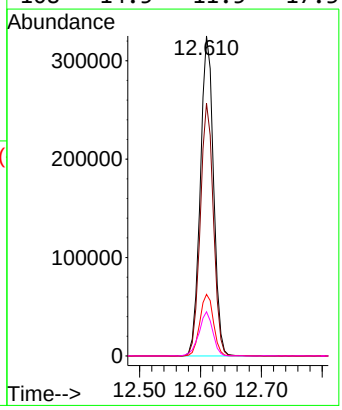


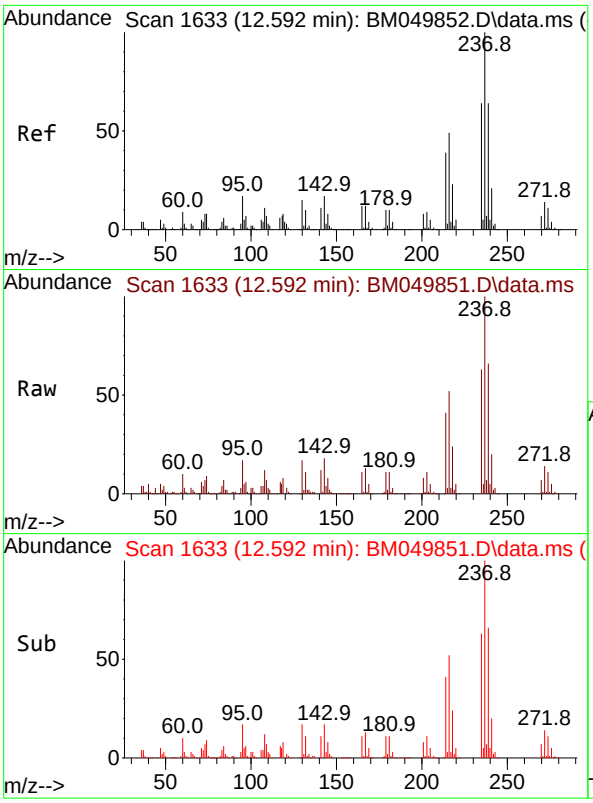


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.915 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:216 Resp: 489705

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	19.9	15.8	23.6
108	14.5	11.5	17.3



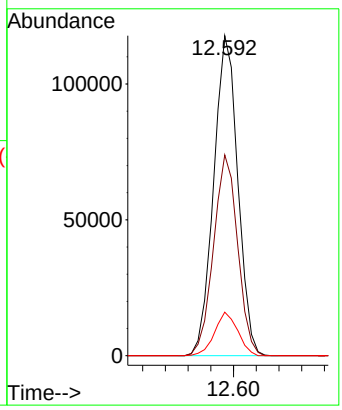


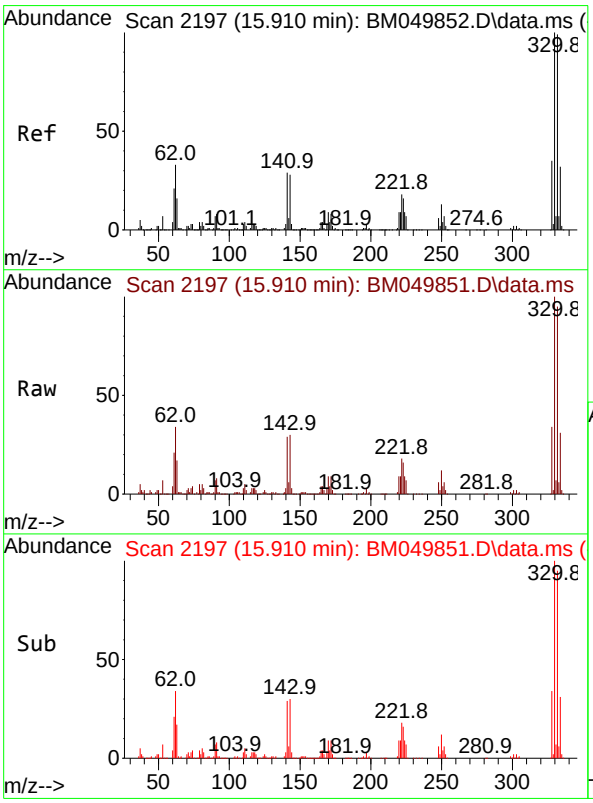
#41
Hexachlorocyclopentadiene
Concen: 20.158 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173683

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.6	0.0	33.5

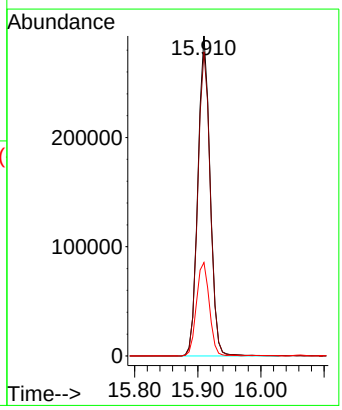


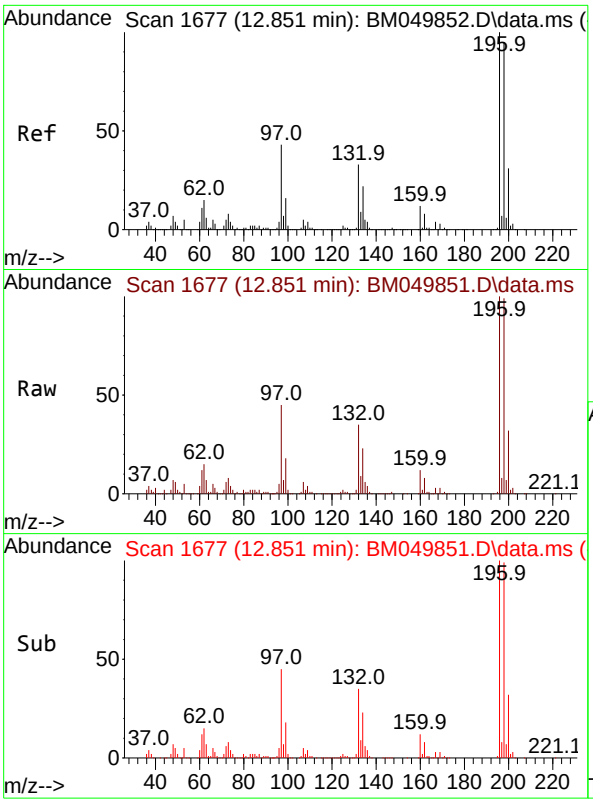


#42
2,4,6-Tribromophenol
Concen: 38.457 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:330 Resp: 393158

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	30.8	23.5	35.3



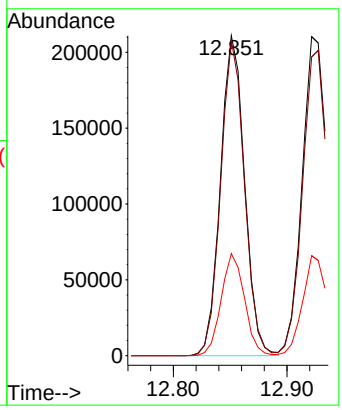


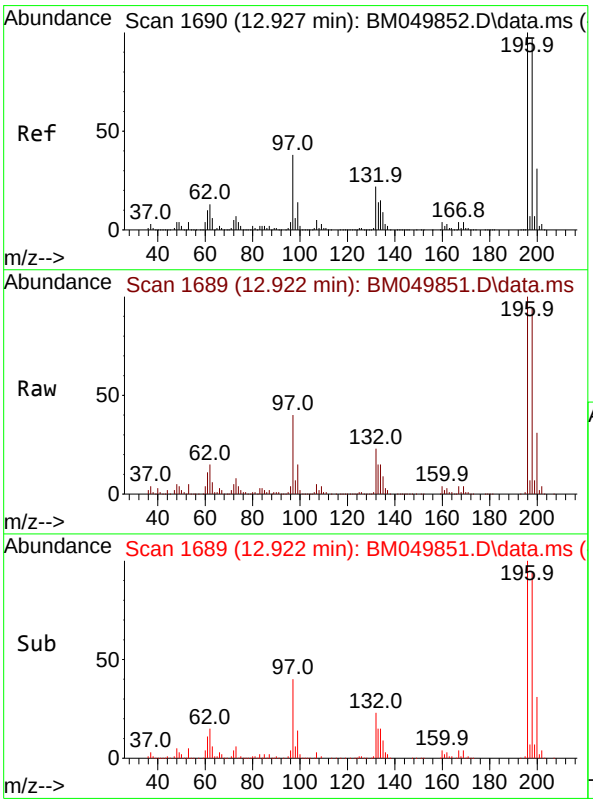
#43
2,4,6-Trichlorophenol
Concen: 19.924 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 311742

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.1	114.1
200	31.9	24.7	37.1

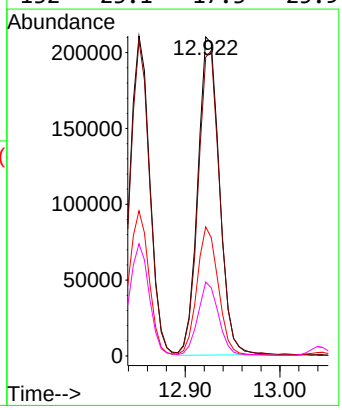


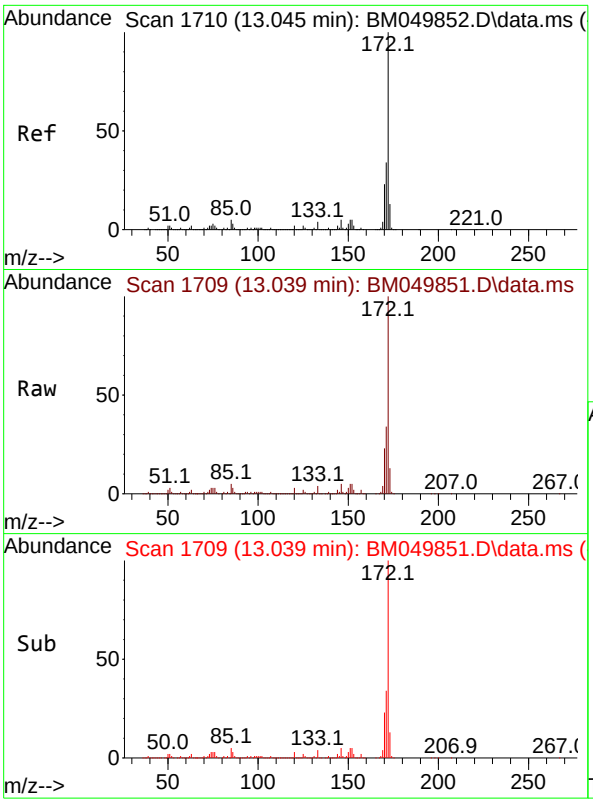


#44
2,4,5-Trichlorophenol
Concen: 19.528 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:196 Resp: 332054

Ion	Ratio	Lower	Upper
196	100		
198	93.6	77.7	116.5
97	40.5	30.3	45.5
132	23.1	17.3	25.9



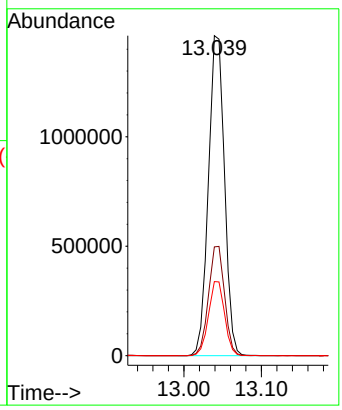


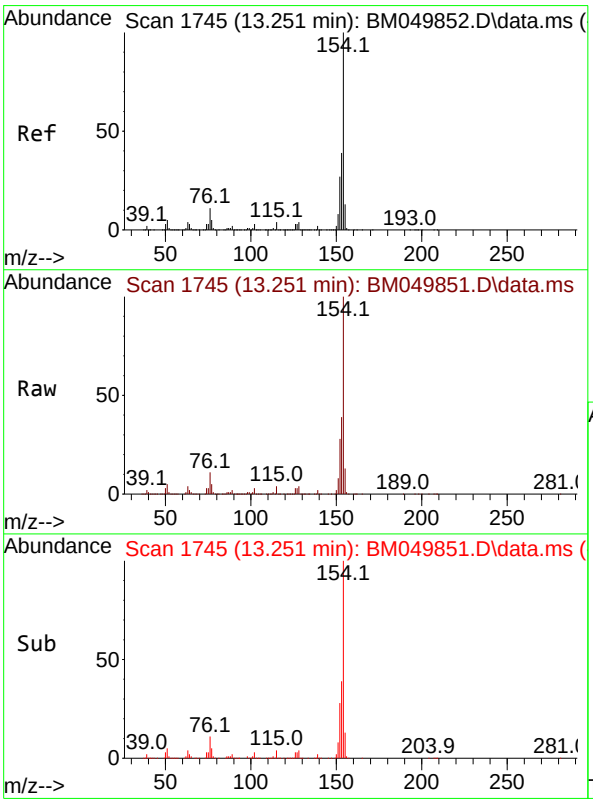
#45
2-Fluorobiphenyl
Concen: 40.653 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2107153

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.2	18.6	28.0

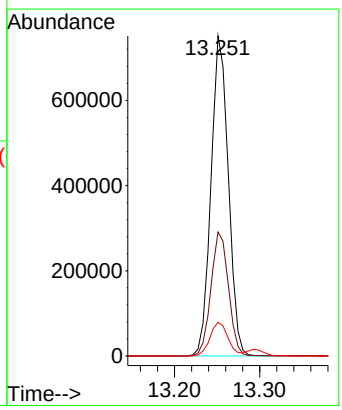


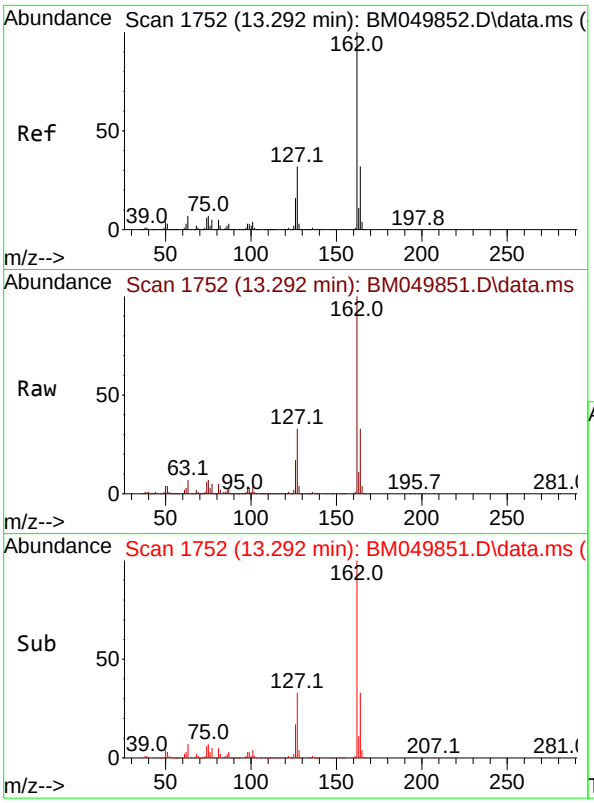


#46
1,1'-Biphenyl
Concen: 20.361 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 1063836

Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.3	59.3
76	10.5	0.0	30.7



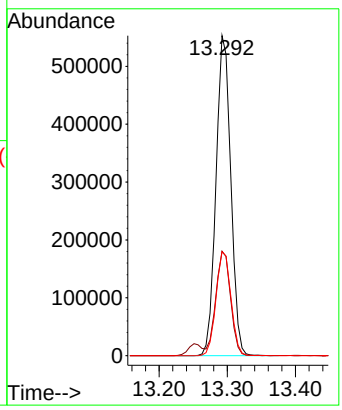


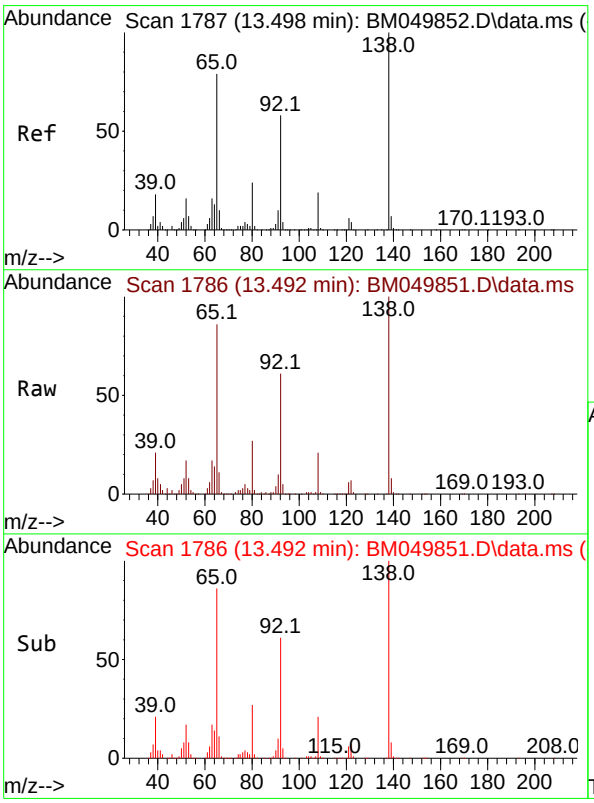
#47
2-Chloronaphthalene
Concen: 20.334 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 835052

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	32.5	25.9	38.9

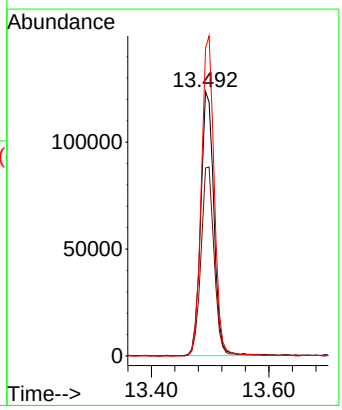


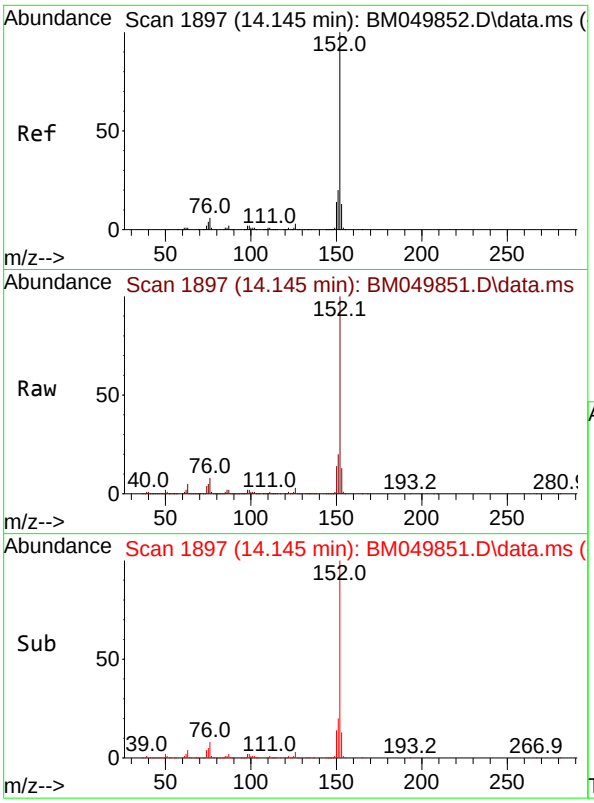


#48
2-Nitroaniline
Concen: 20.149 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 65 Resp: 191426

Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.4	87.6
138	116.5	100.8	151.2



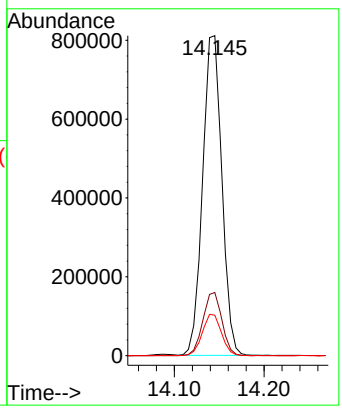


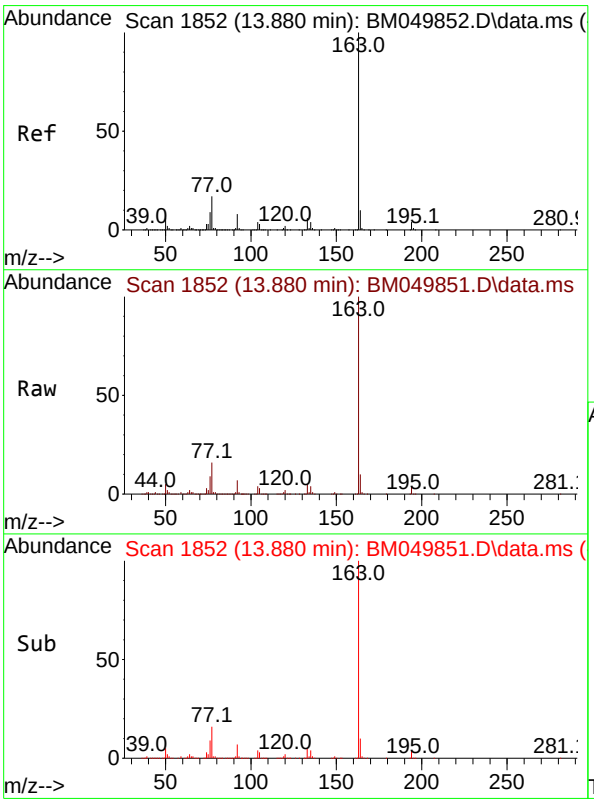
#49
Acenaphthylene
Concen: 20.189 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1207654

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.7	10.4	15.6

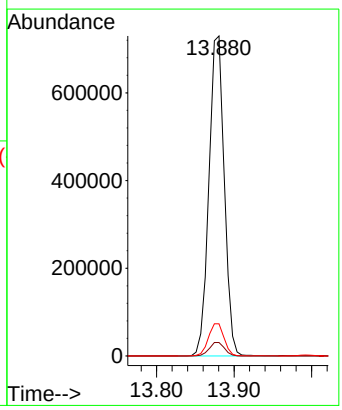


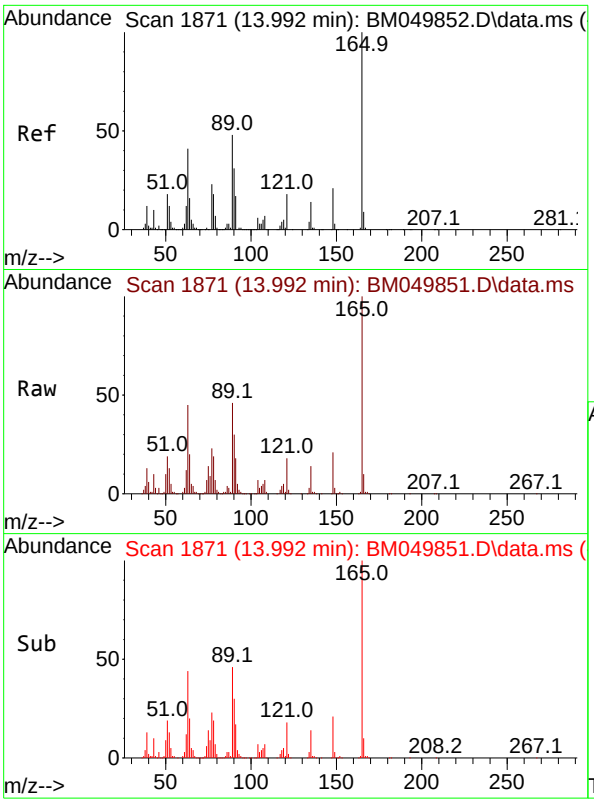


#50
Dimethylphthalate
Concen: 20.271 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:163 Resp: 1005157

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.1	7.9	11.9



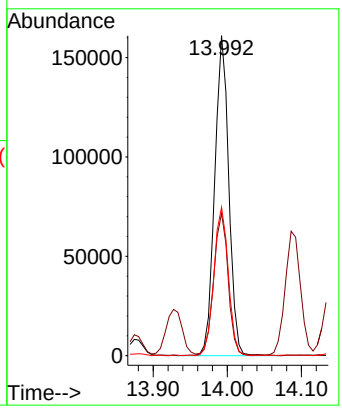


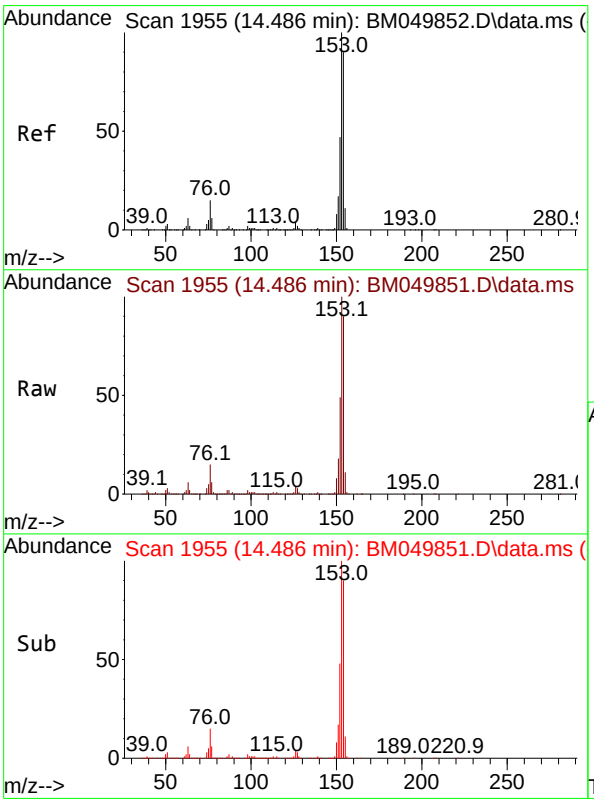
#51
2,6-Dinitrotoluene
Concen: 20.474 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 212702

Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.1	54.1
89	46.4	38.3	57.5

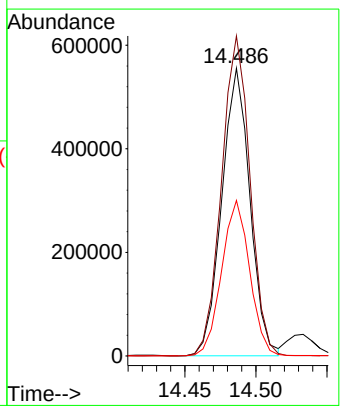


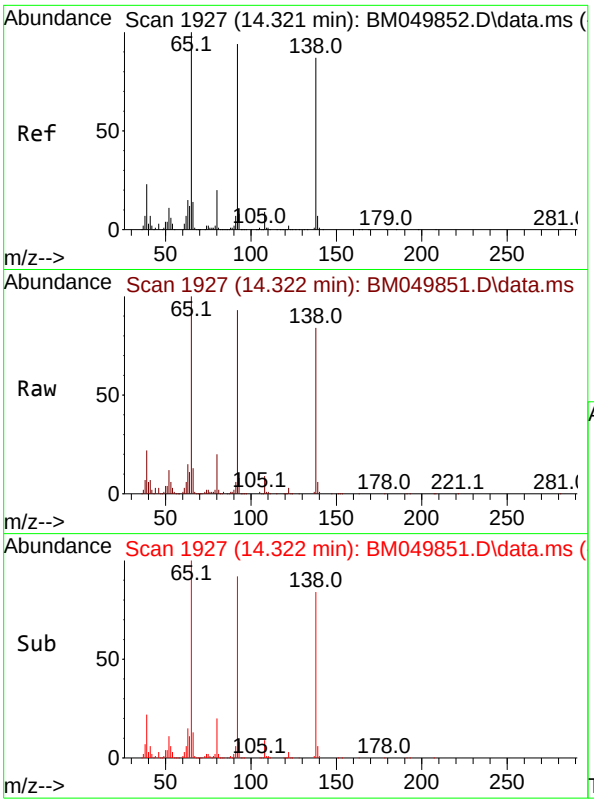


#52
Acenaphthene
Concen: 20.122 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 765635

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	54.1	42.2	63.2



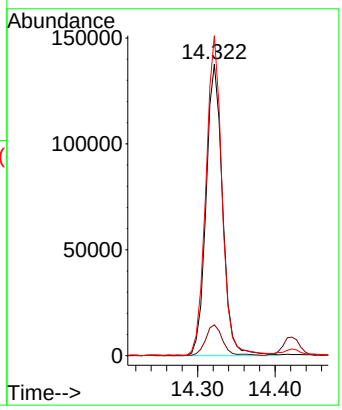


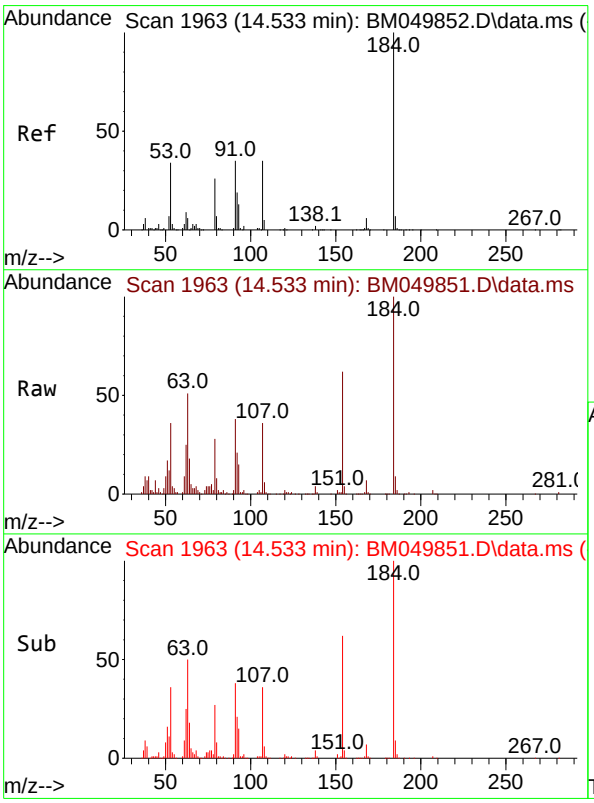
#53
3-Nitroaniline
Concen: 20.306 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 203884

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	109.8	86.5	129.7

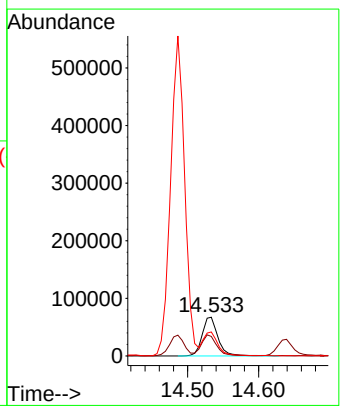


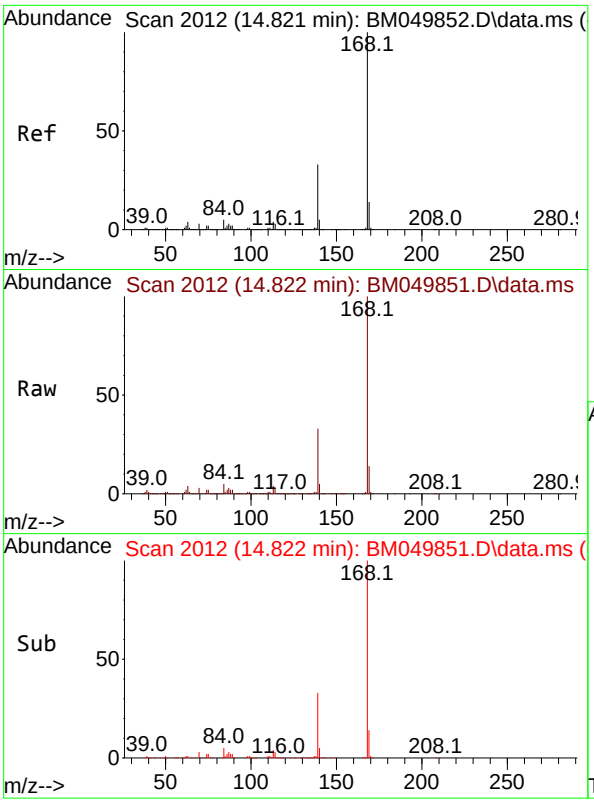


#54
2,4-Dinitrophenol
Concen: 19.806 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:184 Resp: 104048

Ion	Ratio	Lower	Upper
184	100		
63	50.5	38.4	57.6
154	62.0	48.1	72.1



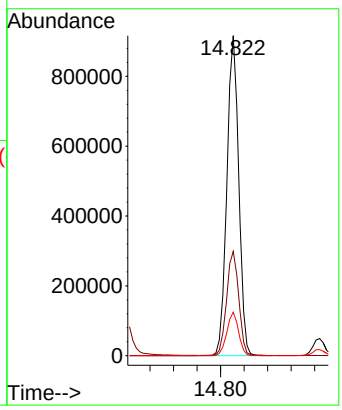


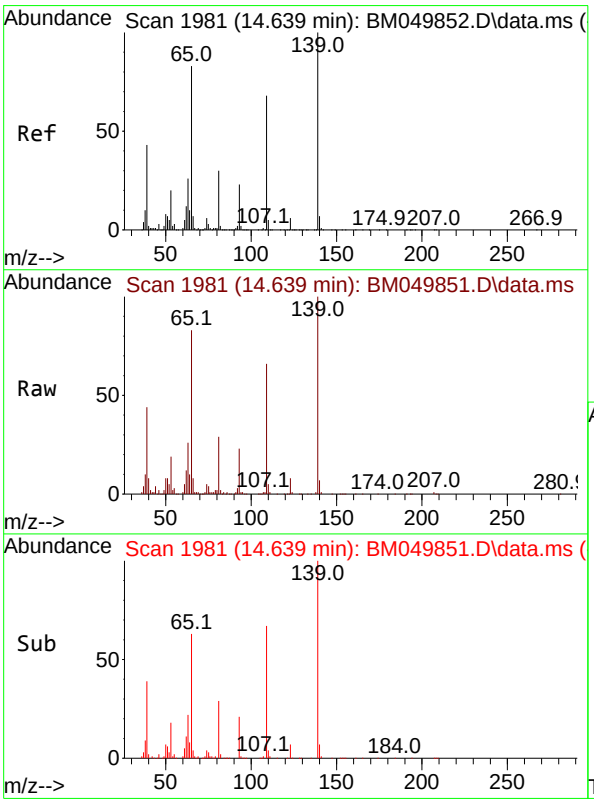
#55
Dibenzofuran
Concen: 20.125 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1280124

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.6	39.8
169	13.6	11.0	16.4

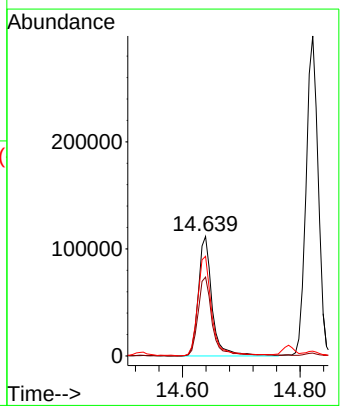


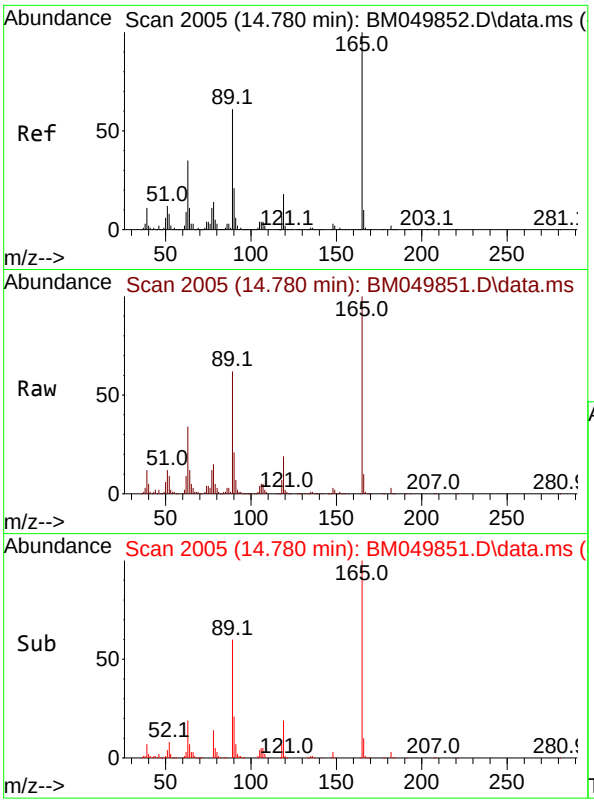


#56
4-Nitrophenol
Concen: 20.171 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 180482

Ion	Ratio	Lower	Upper
139	100		
109	65.9	47.9	87.9
65	83.4	62.7	102.7



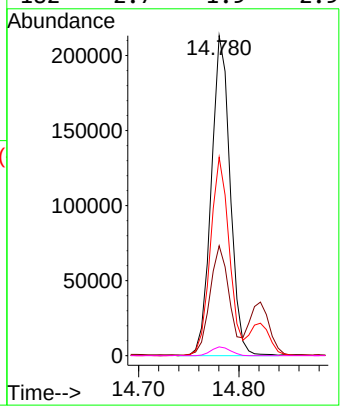


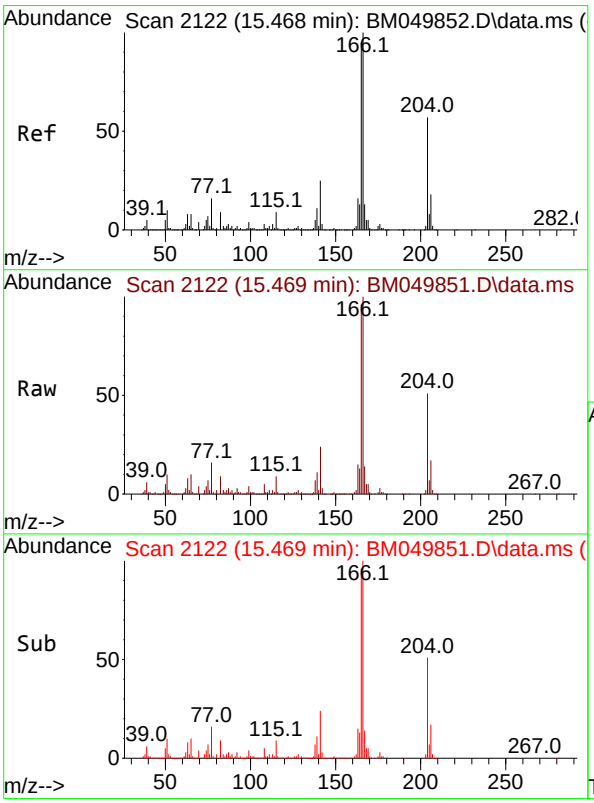
#57
2,4-Dinitrotoluene
Concen: 20.039 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 277724

Ion	Ratio	Lower	Upper
165	100		
63	34.4	28.6	42.8
89	62.0	49.0	73.6
182	2.7	1.9	2.9

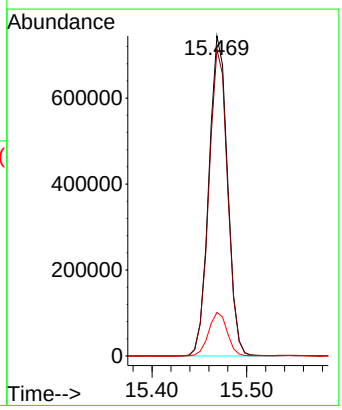


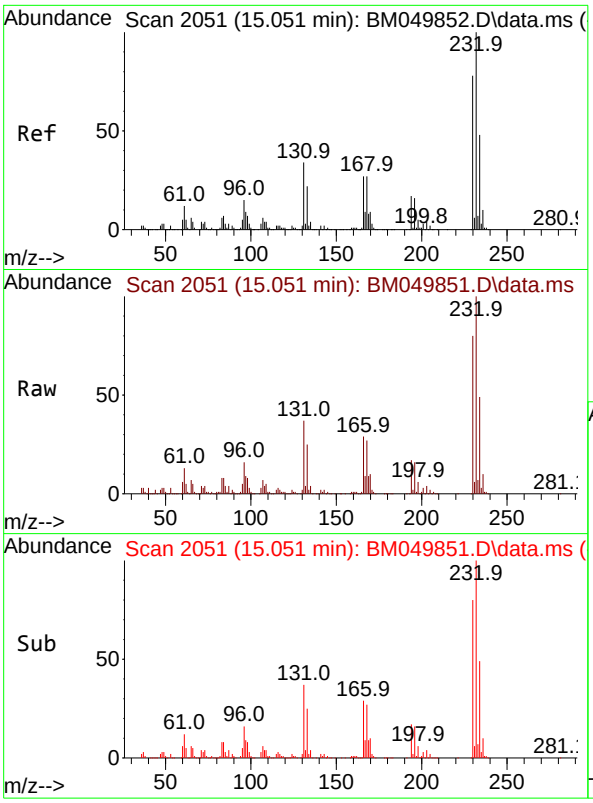


#58
Fluorene
Concen: 20.163 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:166 Resp: 1019442

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.3	114.5
167	13.6	10.7	16.1



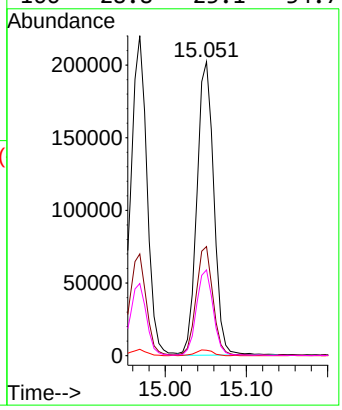


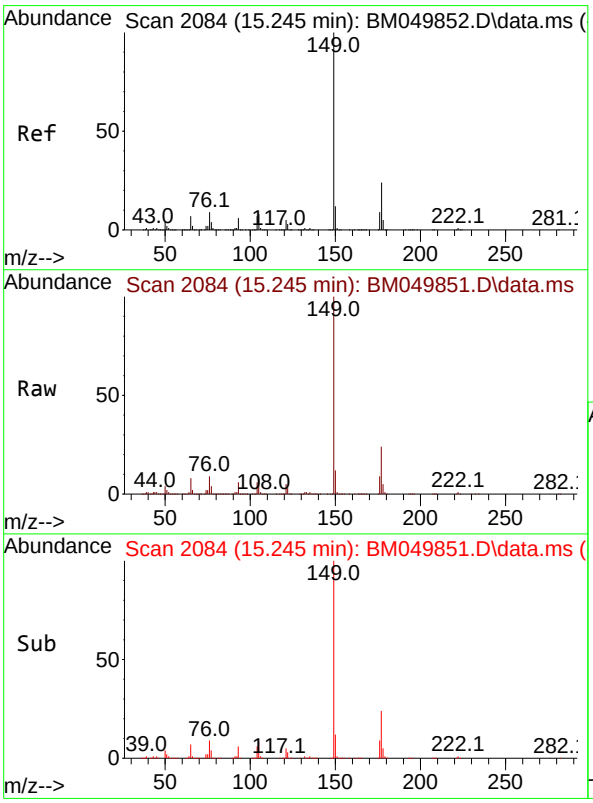
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.603 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 292142

Ion	Ratio	Lower	Upper
232	100		
131	36.8	28.4	42.6
130	2.1	1.6	2.4
166	28.8	23.1	34.7

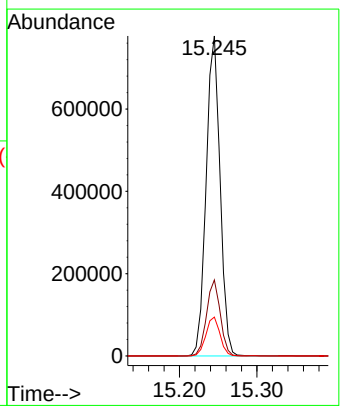


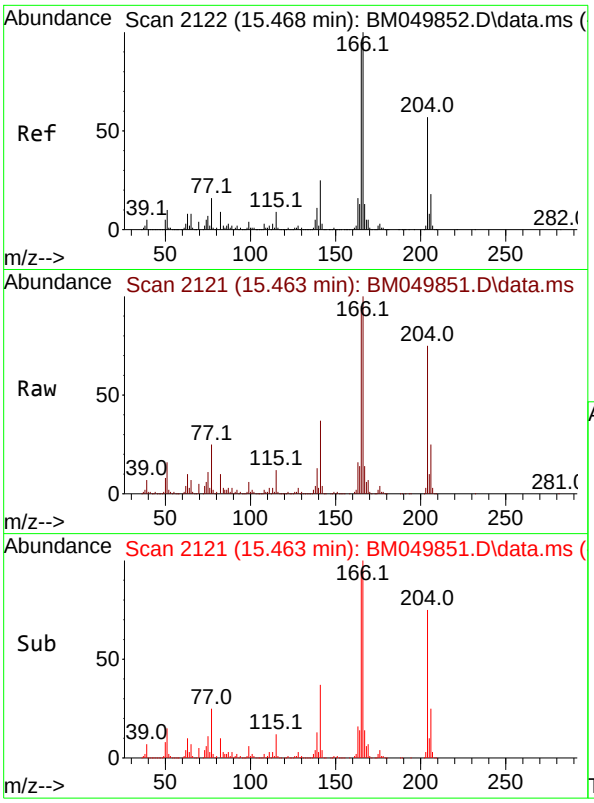


#60
Diethylphthalate
Concen: 20.369 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 968568

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.2	9.7	14.5



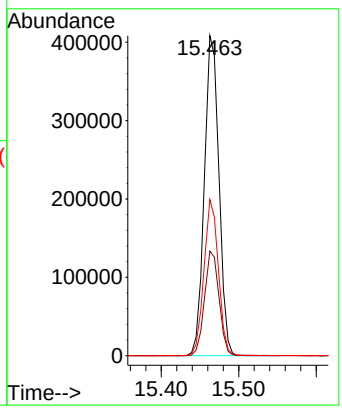


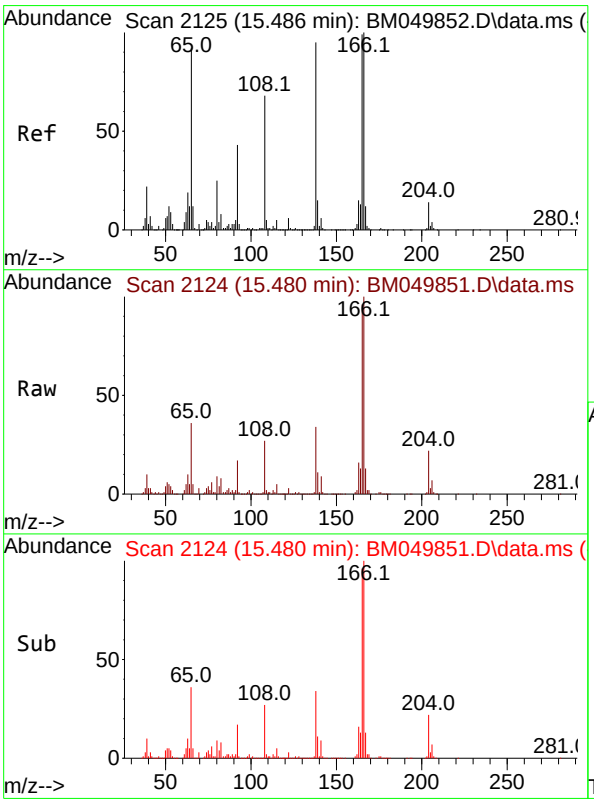
#61
4-Chlorophenyl-phenylether
Concen: 19.737 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 535017

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	48.8	35.0	52.6

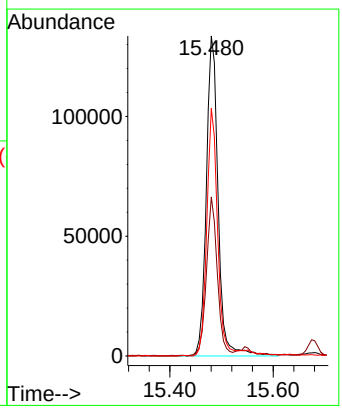


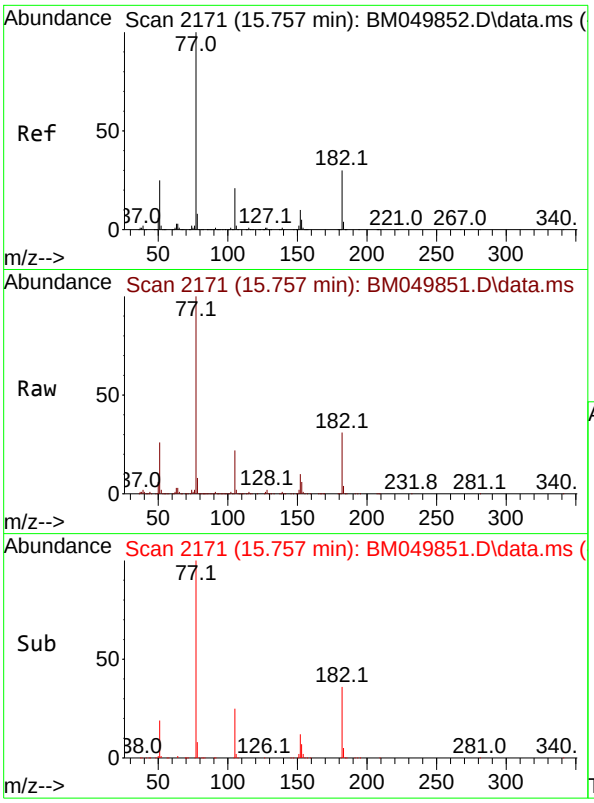


#62
4-Nitroaniline
Concen: 20.390 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:138 Resp: 211717

Ion	Ratio	Lower	Upper
138	100		
92	49.7	24.9	64.9
108	77.4	51.7	91.7



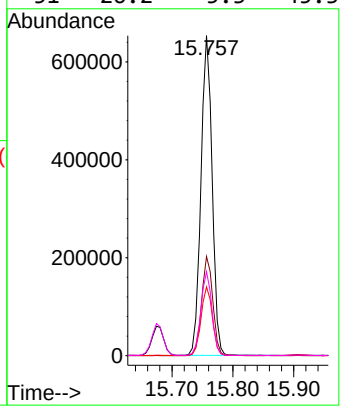


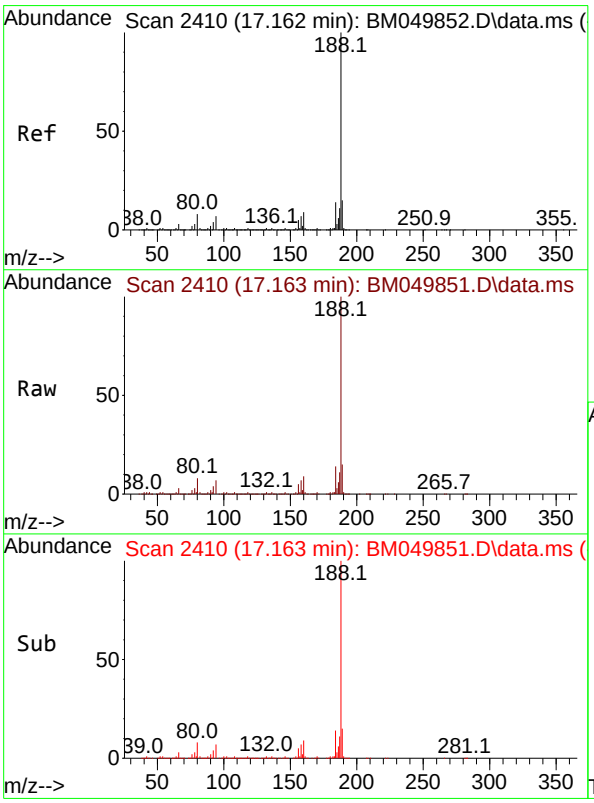
#63
Azobenzene
Concen: 20.453 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 832670

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.4	50.4
105	21.5	1.5	41.5
51	26.2	5.3	45.3

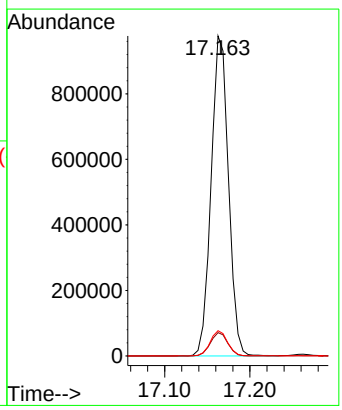


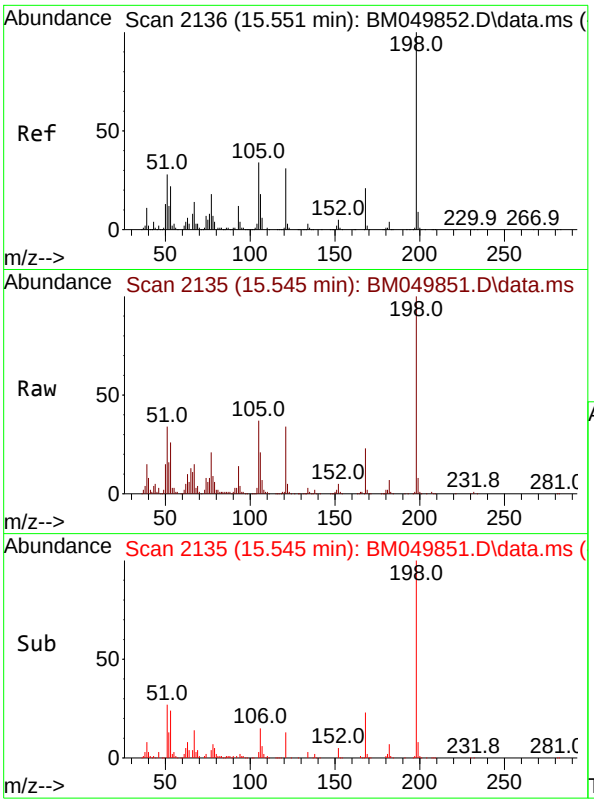


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:188 Resp: 1378813

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.9	6.4	9.6



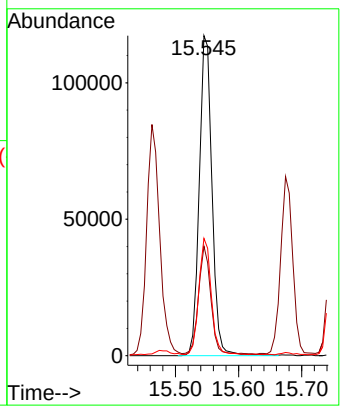


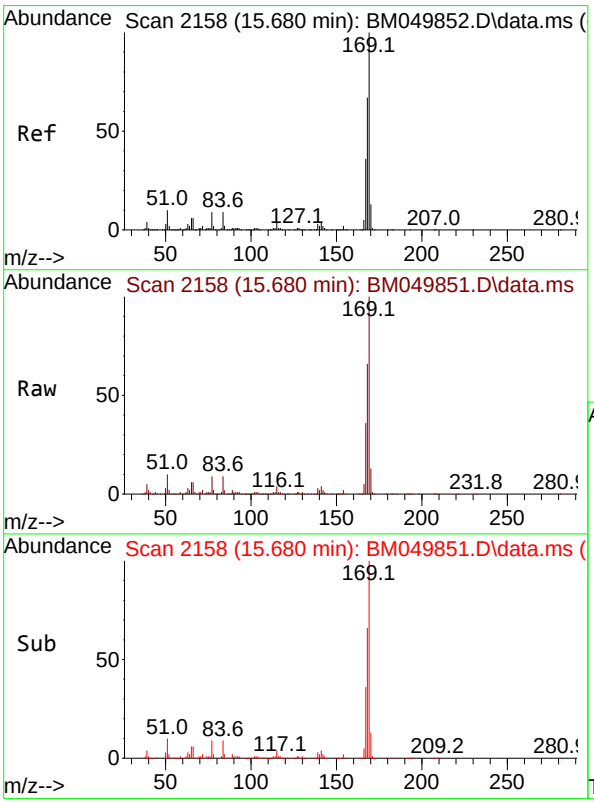
#65
4,6-Dinitro-2-methylphenol
Concen: 18.880 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 164040

Ion	Ratio	Lower	Upper
198	100		
51	34.2	9.6	49.6
105	36.7	14.7	54.7

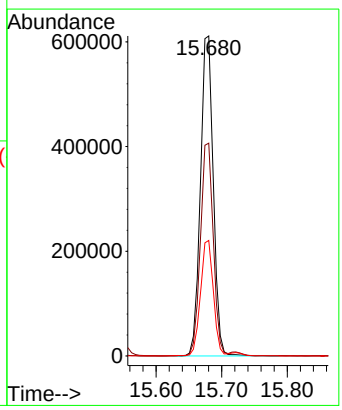


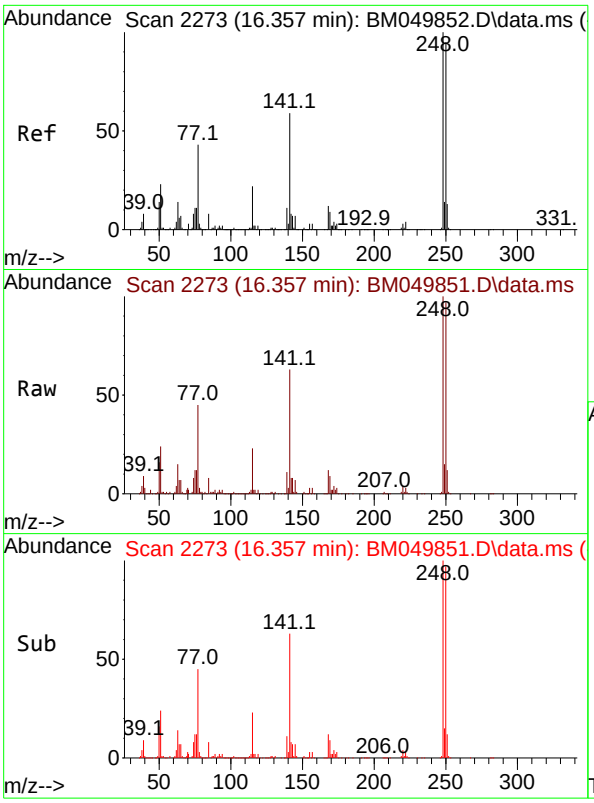


#66
n-Nitrosodiphenylamine
Concen: 20.246 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:169 Resp: 835415

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.1	29.0	43.6



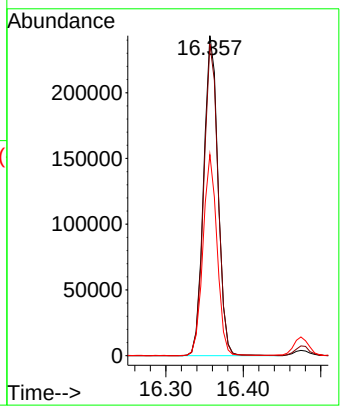


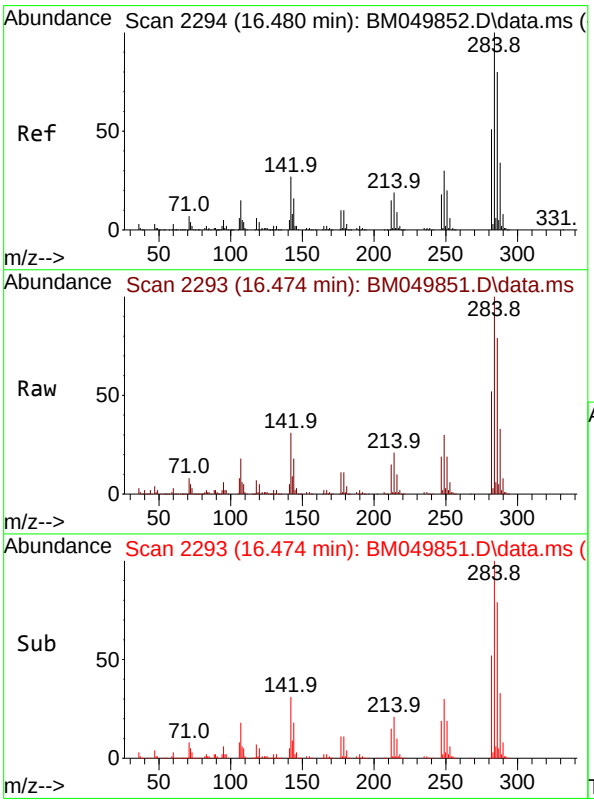
#67
4-Bromophenyl-phenylether
Concen: 19.537 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 312714

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	62.9	47.3	70.9

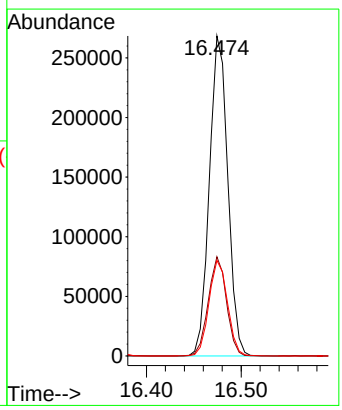


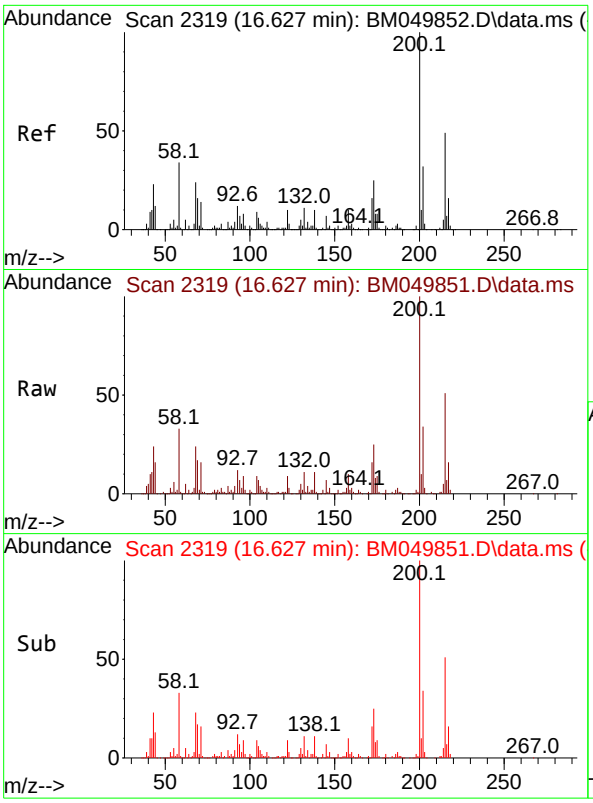


#68
Hexachlorobenzene
Concen: 19.701 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:284 Resp: 361698

Ion	Ratio	Lower	Upper
284	100		
142	31.0	21.2	31.8
249	29.8	24.1	36.1



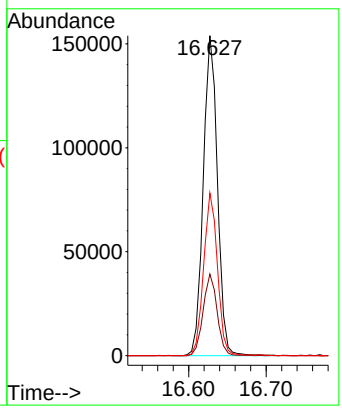


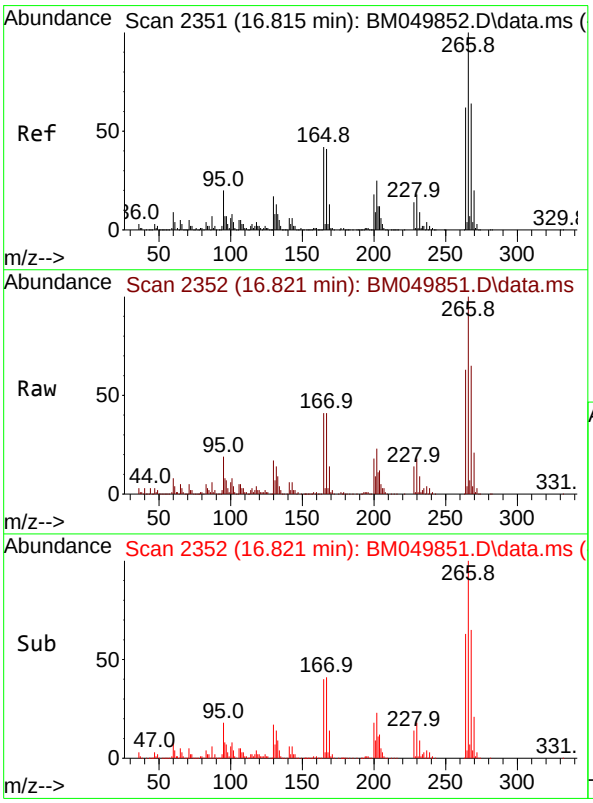
#69
Atrazine
Concen: 18.255 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 195306

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.4	45.4
215	50.8	29.0	69.0

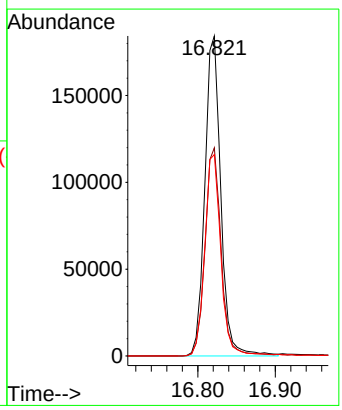


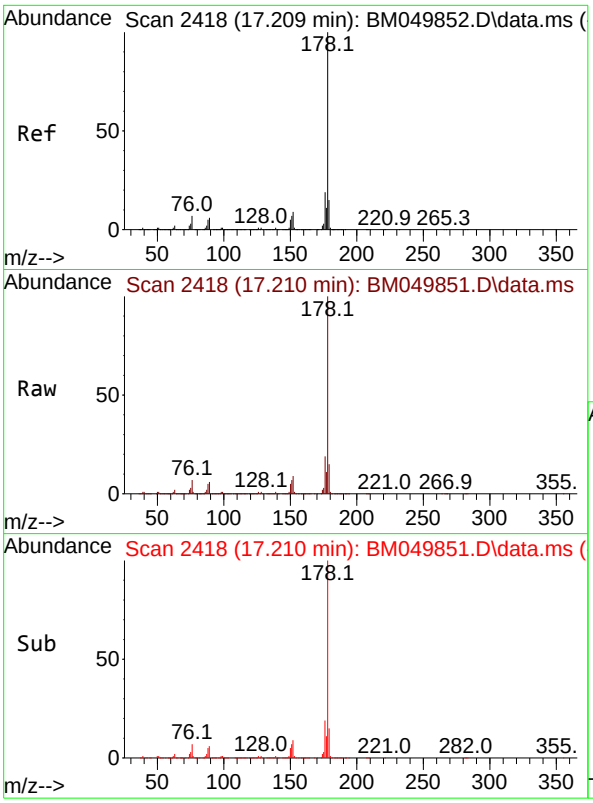


#70
Pentachlorophenol
Concen: 19.488 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:266 Resp: 263410

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.2
264	62.9	49.8	74.8



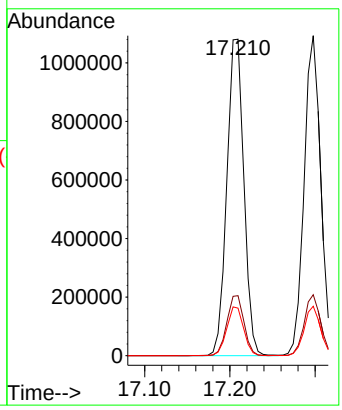


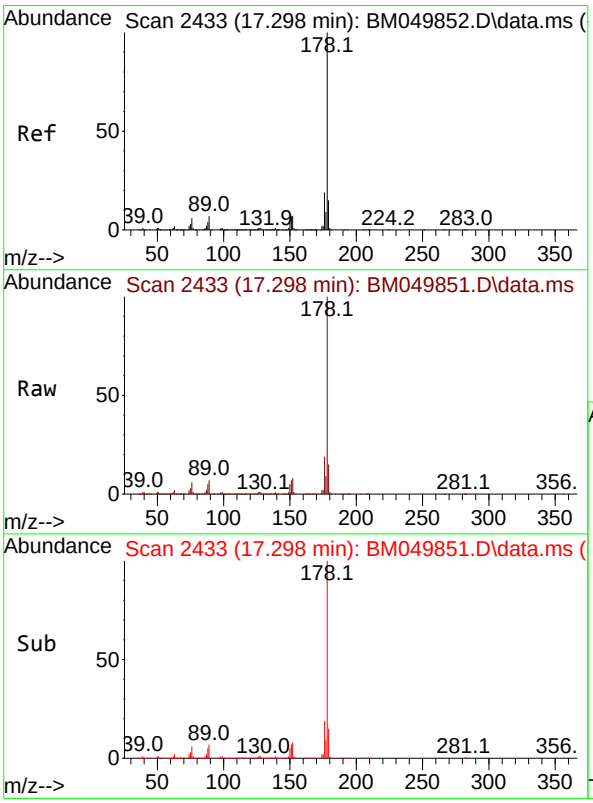
#71
Phenanthrene
Concen: 19.979 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1510233

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.0	12.3	18.5

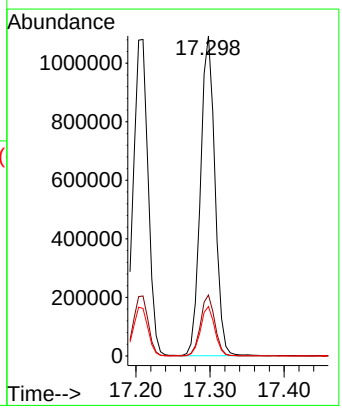


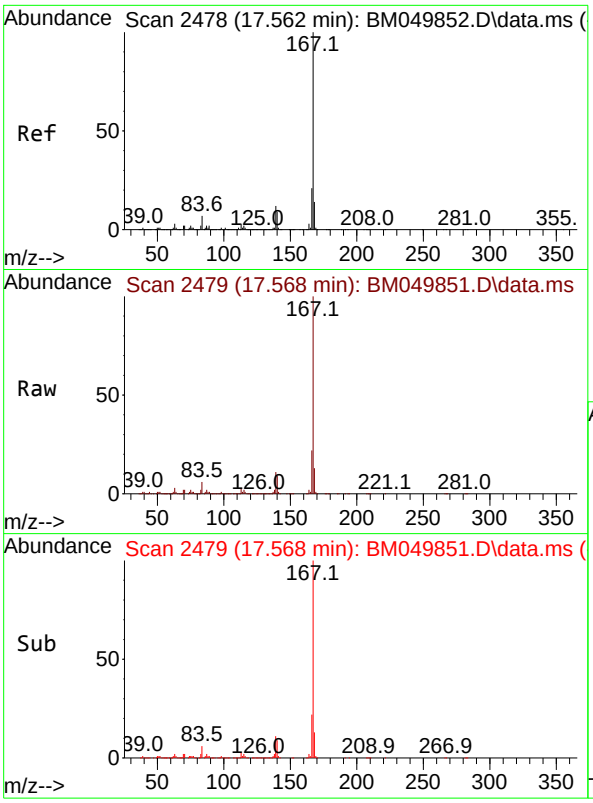


#72
Anthracene
Concen: 19.887 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:178 Resp: 1481463

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.4	18.6



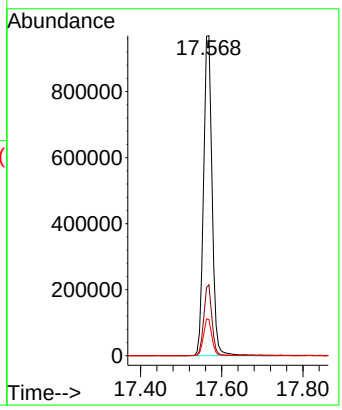


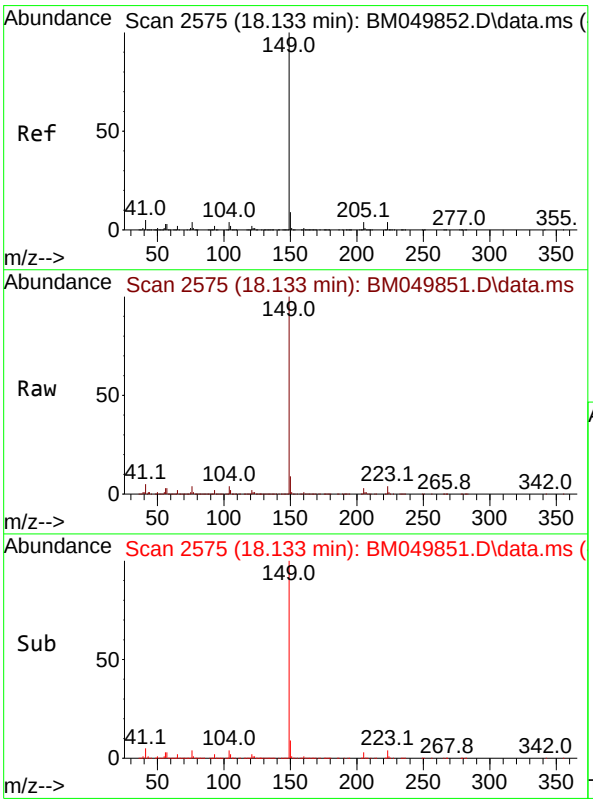
#73
Carbazole
Concen: 20.114 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1411278

Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.9	25.3
139	11.3	9.3	13.9

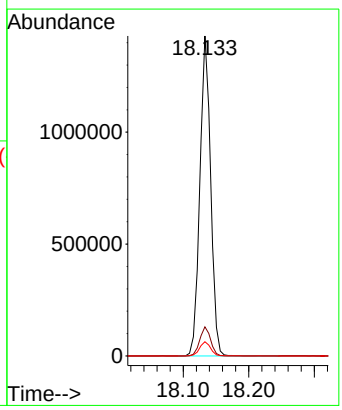


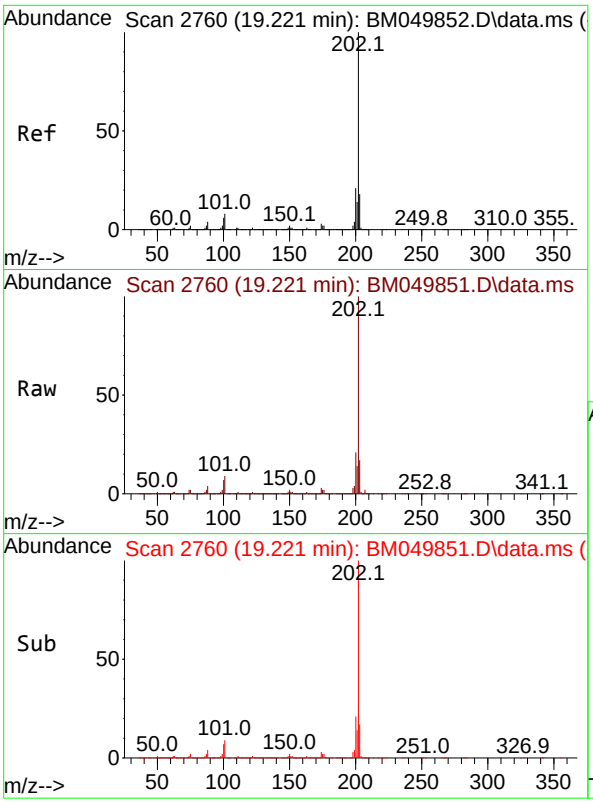


#74
Di-n-butylphthalate
Concen: 20.278 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1638787

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.5	3.5	5.3



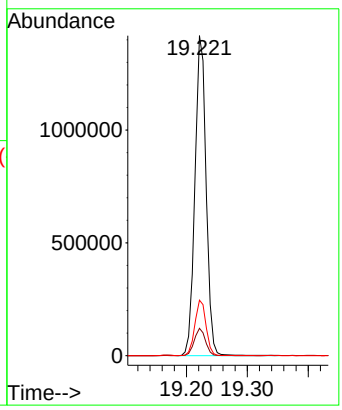


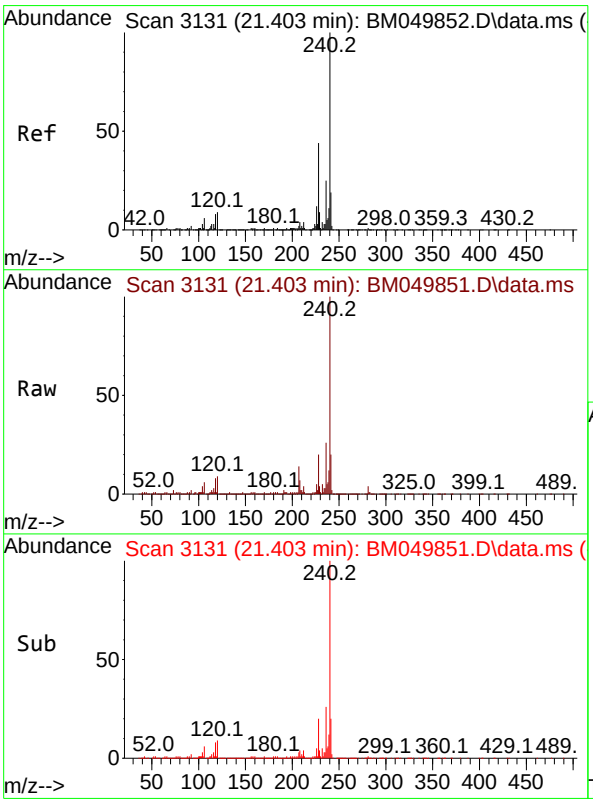
#75
Fluoranthene
Concen: 19.433 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1806131

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.8

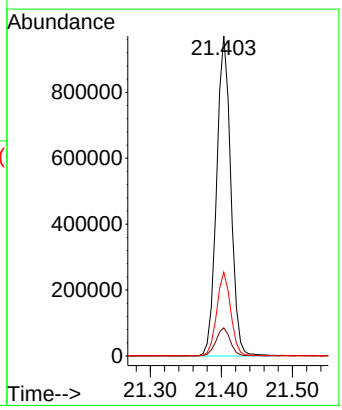


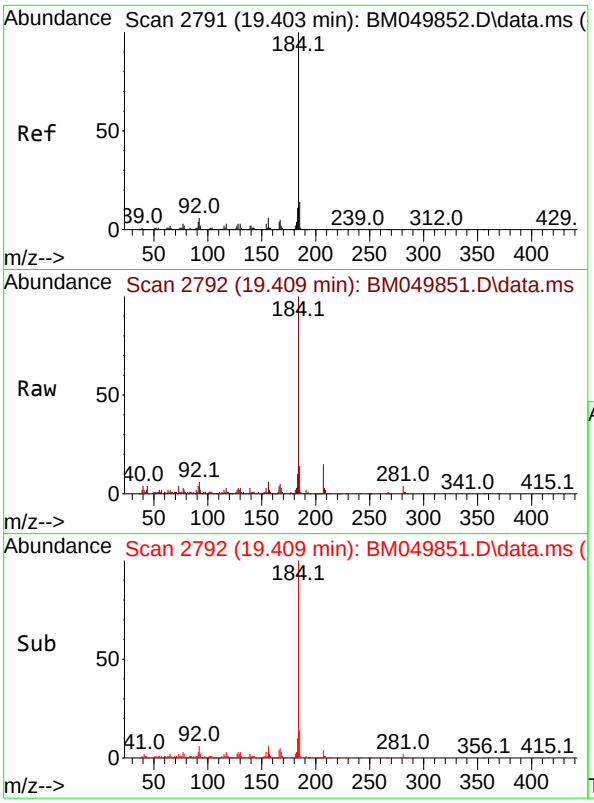


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:240 Resp: 1339758

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.9	10.3
236	26.1	20.4	30.6



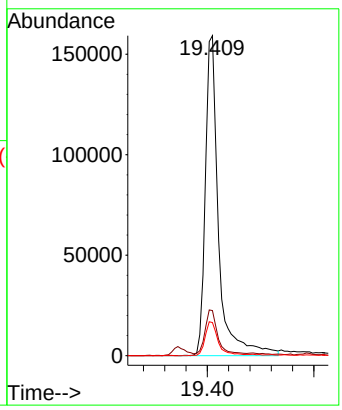


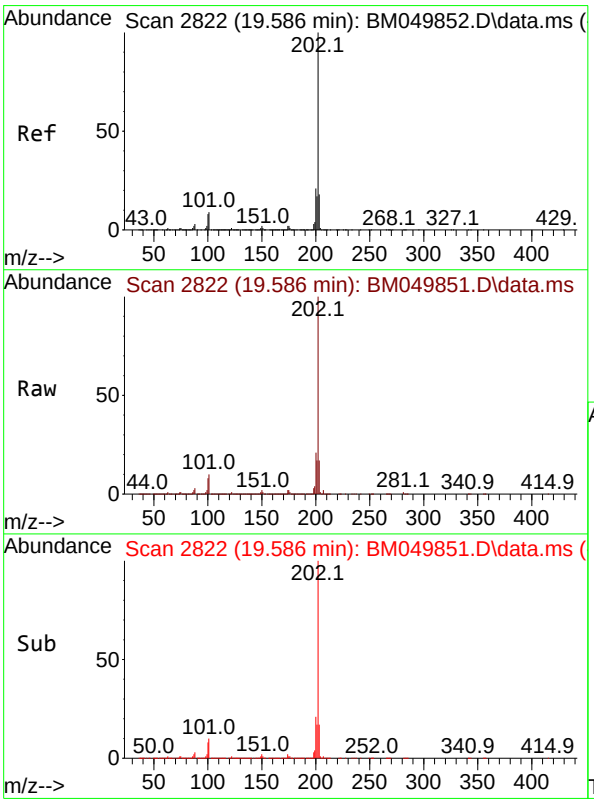
#77
Benzidine
Concen: 15.426 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 274181

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	10.4	8.8	13.2

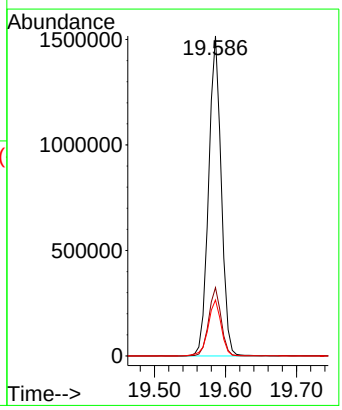


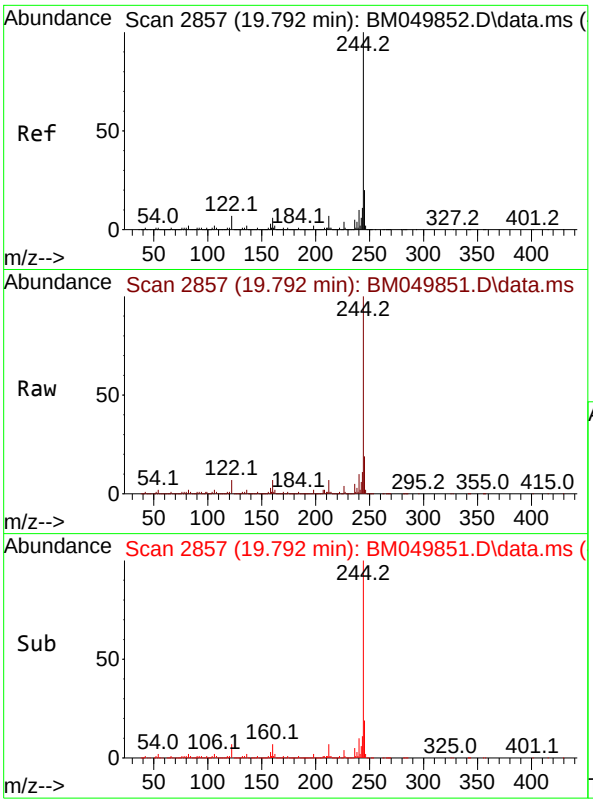


#78
Pyrene
Concen: 20.242 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:202 Resp: 1868988

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	17.5	14.0	21.0



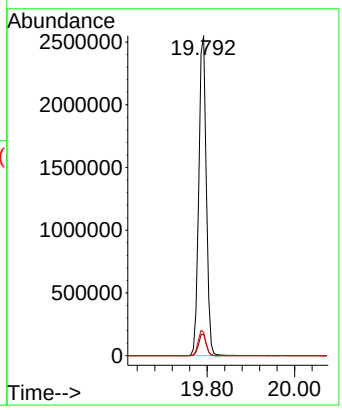


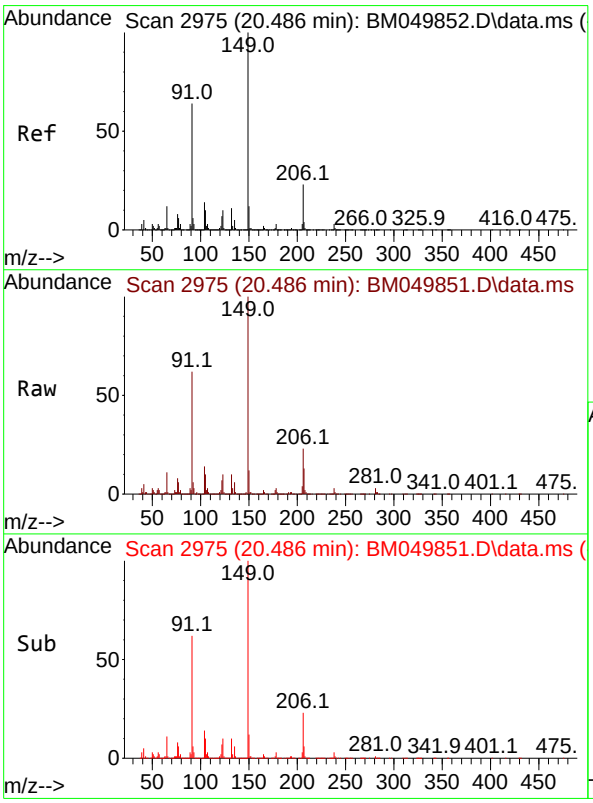
#79
Terphenyl-d14
Concen: 42.677 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3051000

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	7.4	5.4	8.0

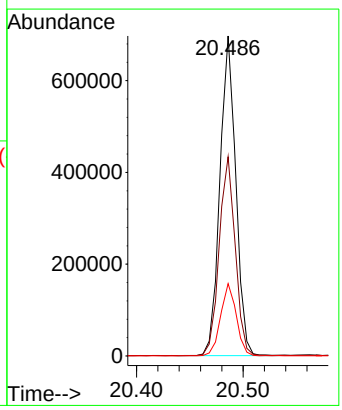


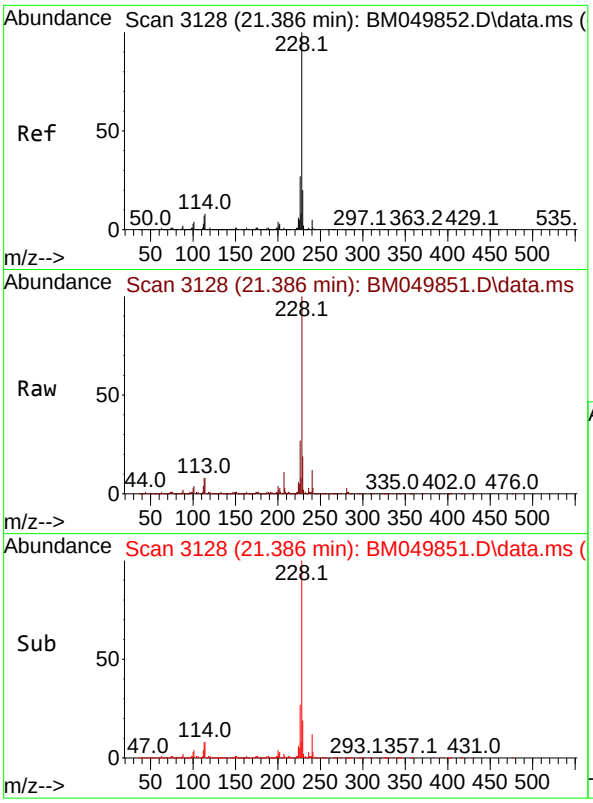


#80
Butylbenzylphthalate
Concen: 20.738 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 719491

Ion	Ratio	Lower	Upper
149	100		
91	62.2	50.9	76.3
206	22.6	18.4	27.6



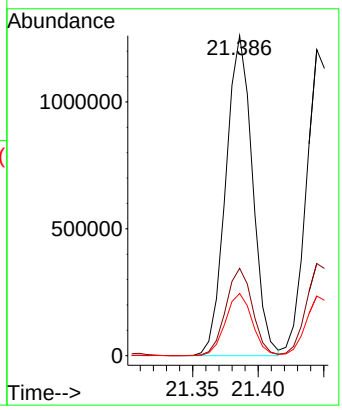


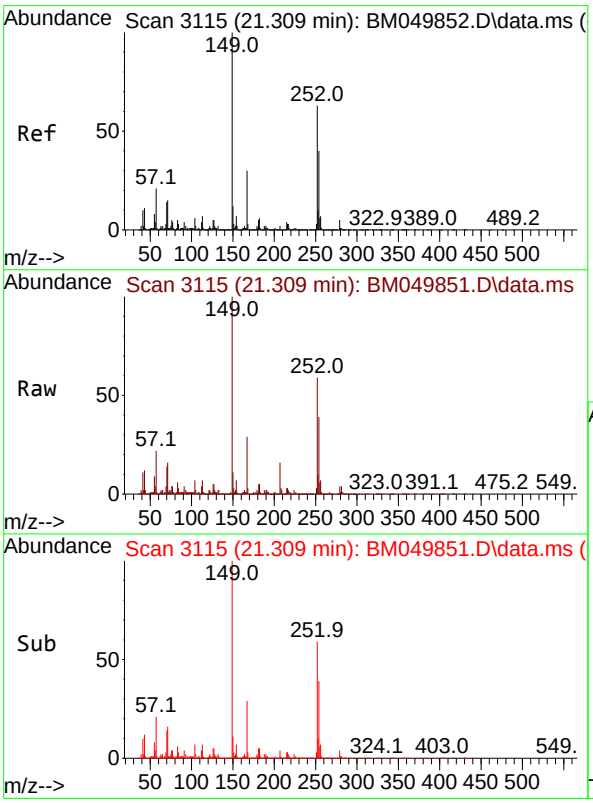
#81
Benzo(a)anthracene
Concen: 20.090 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1788846

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.8	23.8

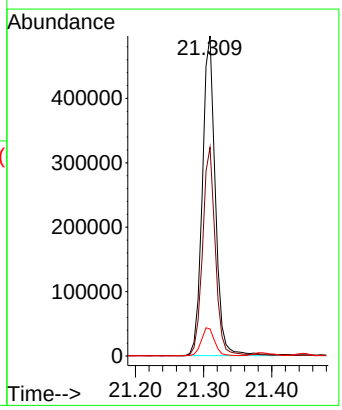


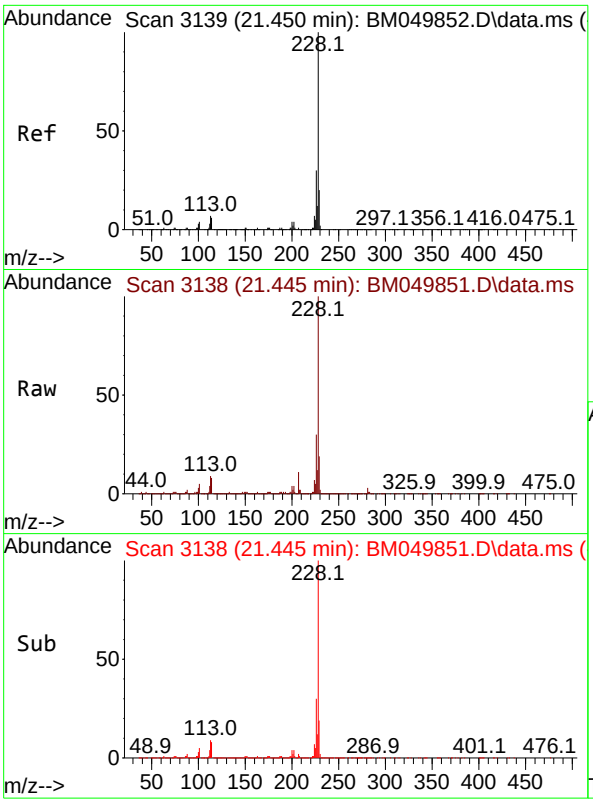


#82
3,3'-Dichlorobenzidine
Concen: 19.592 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 658767

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	8.4	6.3	9.5



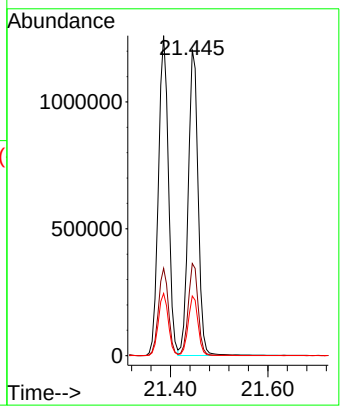


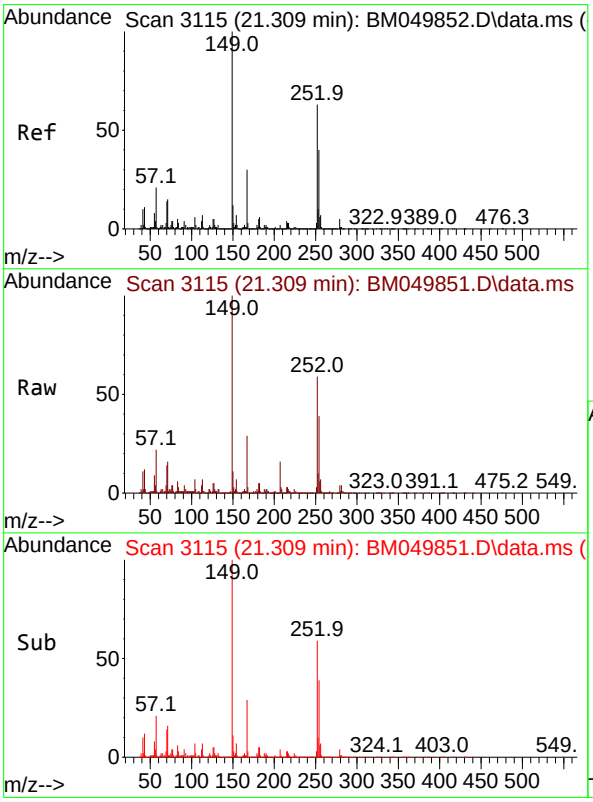
#83
Chrysene
Concen: 19.957 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1689336

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.8	23.6

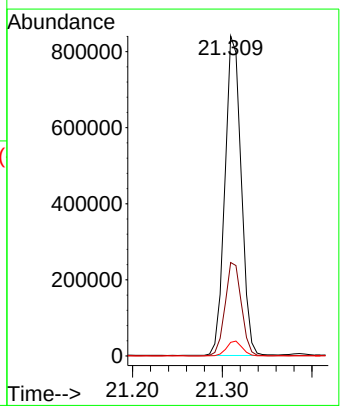


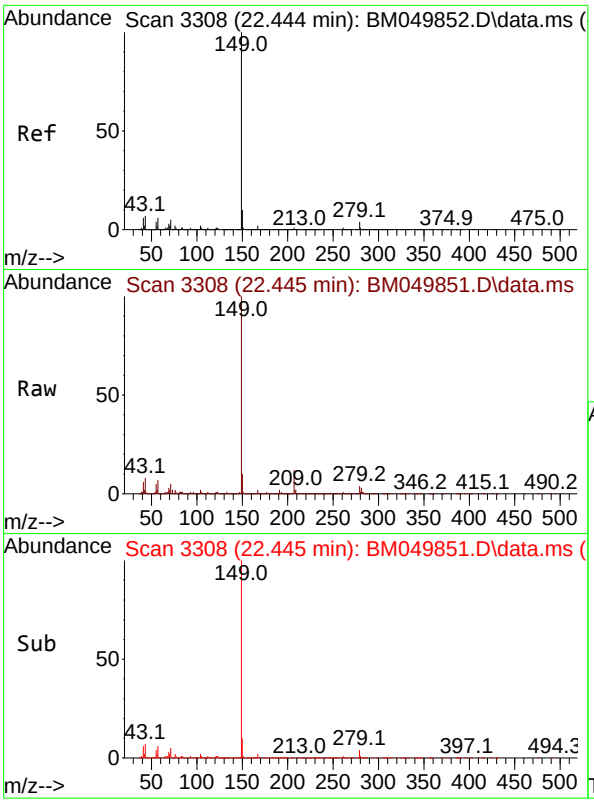


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.934 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1058190

Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.8	35.6
279	4.3	3.8	5.8



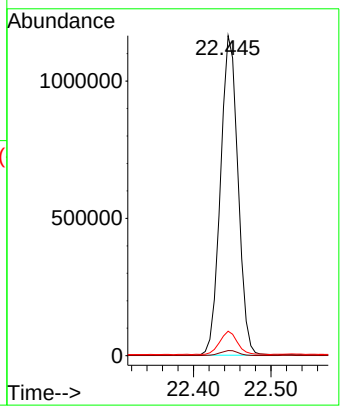


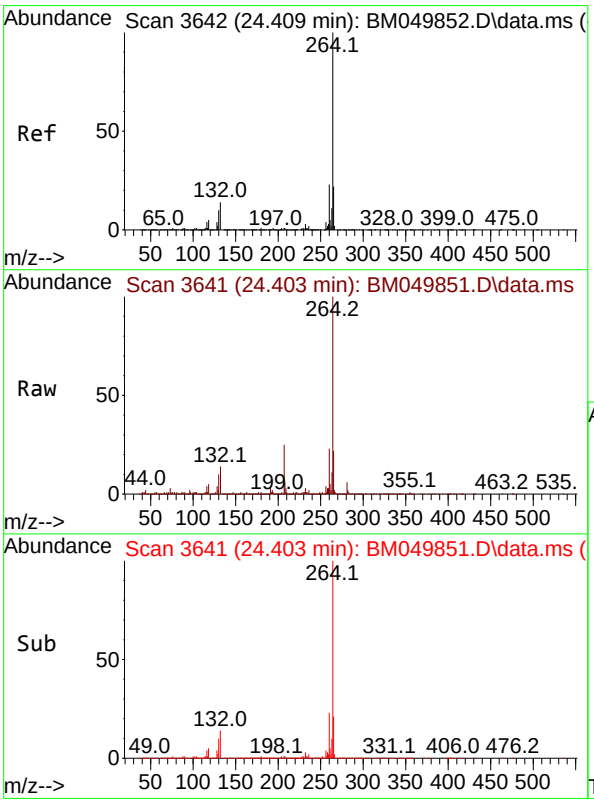
#85
Di-n-octyl phthalate
Concen: 20.699 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1830449

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.6

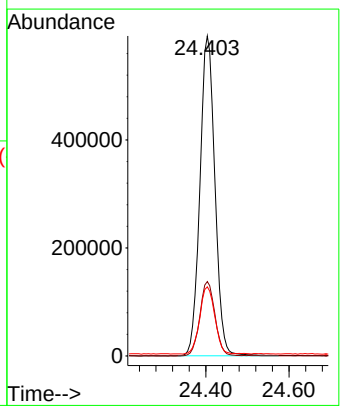


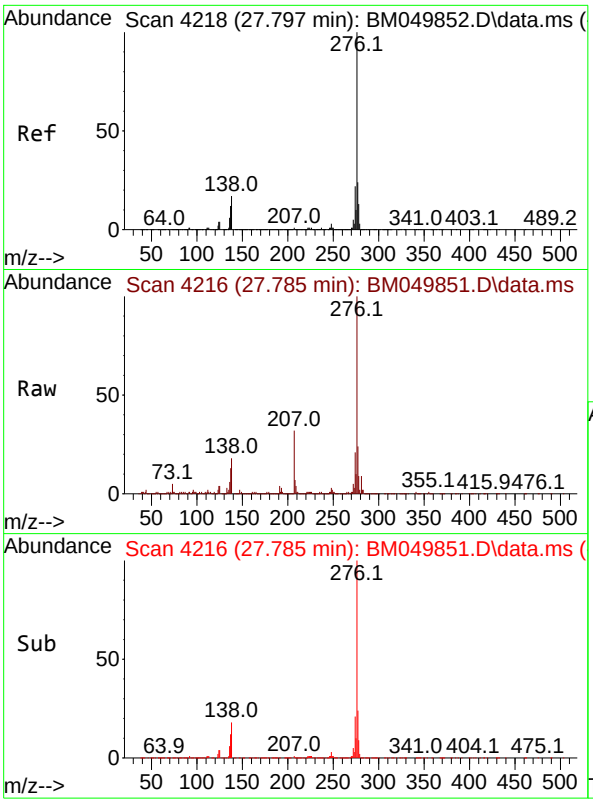


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:264 Resp: 1486954

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.8	26.8



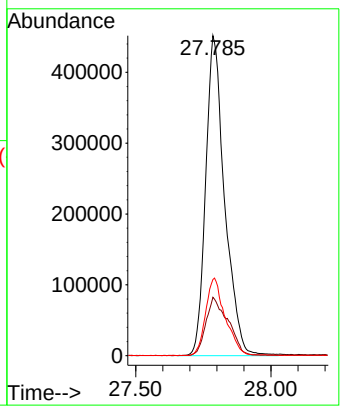


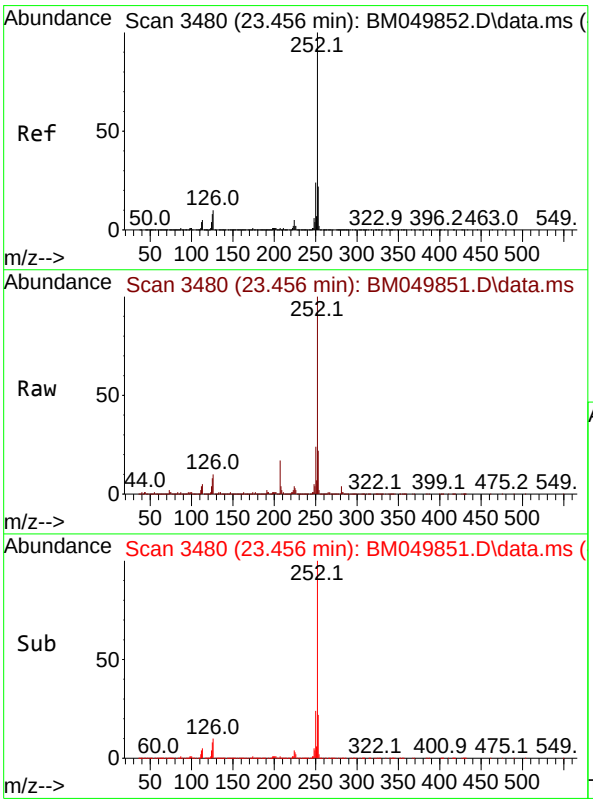
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.848 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2199957

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.8	25.2
277	24.9	20.1	30.1

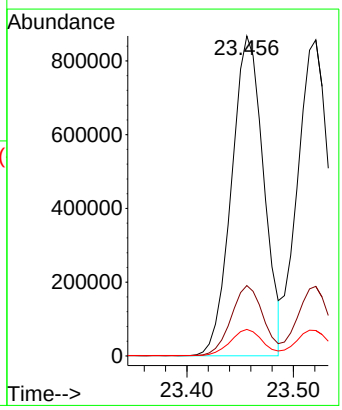


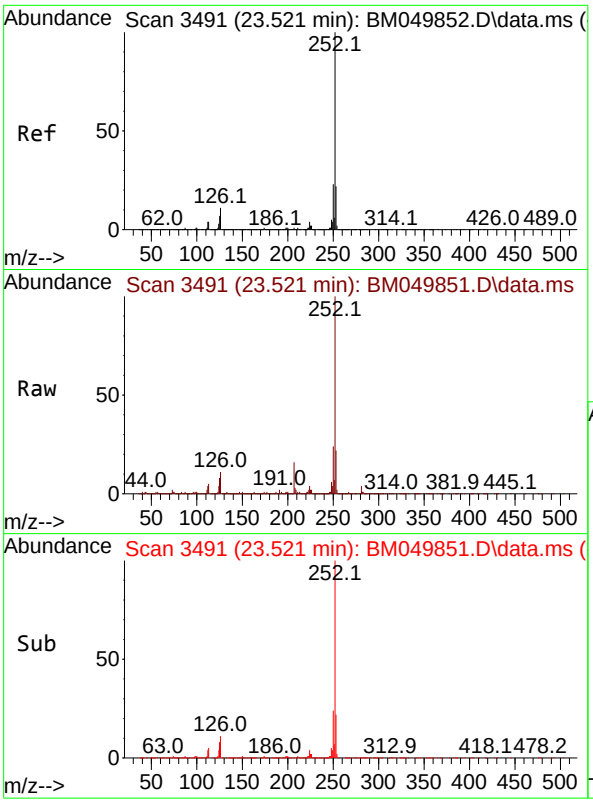


#88
Benzo(b)fluoranthene
Concen: 19.144 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1818051

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.3	6.2	9.4



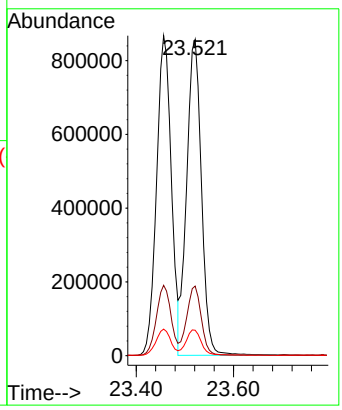


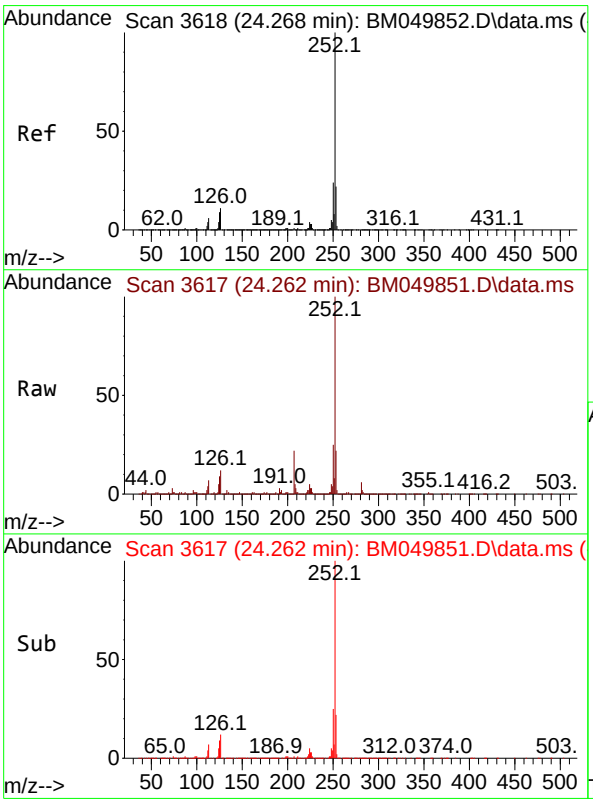
#89
Benzo(k)fluoranthene
Concen: 19.527 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1797007

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.1	5.8	8.8

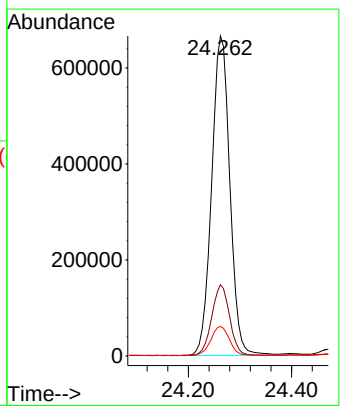


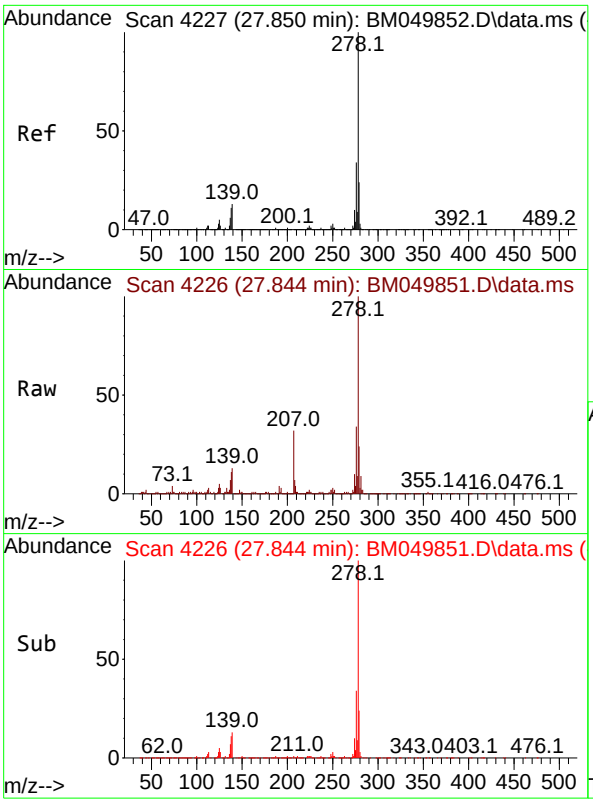


#90
Benzo(a)pyrene
Concen: 19.526 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1629441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.3	7.0	10.4



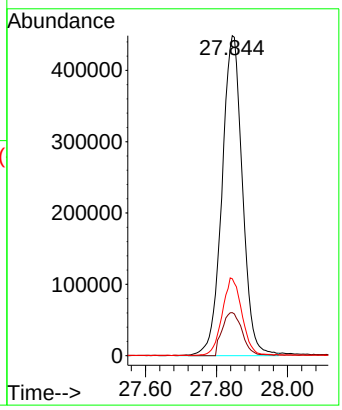


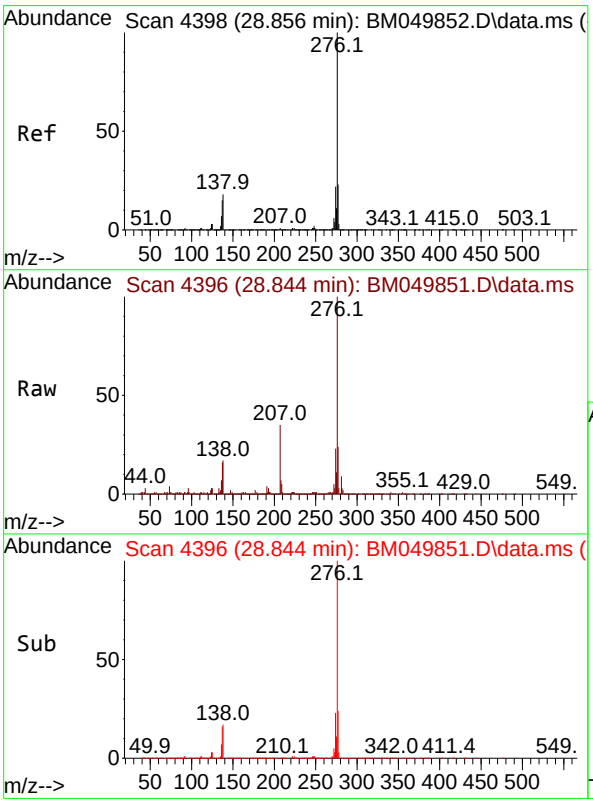
#91
Dibenzo(a,h)anthracene
Concen: 19.631 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1792231

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.6	15.8
279	24.0	19.1	28.7

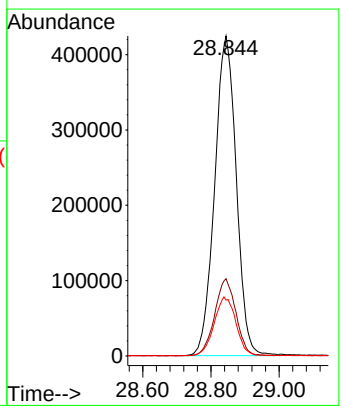




#92
Benzo(g,h,i)perylene
Concen: 20.005 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:276 Resp: 1866337

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	17.4	14.6	21.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	302331	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1026791	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	644538	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1259832	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1277117	20.000	ng	0.00
86) Perylene-d12	24.409	264	1383369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1440504	80.908	ng	0.00
7) Phenol-d6	6.951	99	1802855	81.386	ng	0.00
23) Nitrobenzene-d5	8.934	82	1510046	81.893	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	757084	80.755	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3905323	82.162	ng	0.00
79) Terphenyl-d14	19.792	244	6061535	88.947	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	295123	40.249	ng	100
3) Pyridine	3.663	79	778424	40.422	ng	100
4) n-Nitrosodimethylamine	3.569	42	295528	40.309	ng	100
6) Aniline	7.104	93	801408	42.221	ng	100
8) 2-Chlorophenol	7.345	128	736217	40.349	ng	100
9) Benzaldehyde	6.916	77	453694	39.945	ng	100
10) Phenol	6.975	94	871619	40.321	ng	100
11) bis(2-Chloroethyl)ether	7.204	93	686377	40.490	ng	100
12) 1,3-Dichlorobenzene	7.669	146	869556	40.310	ng	100
13) 1,4-Dichlorobenzene	7.816	146	878856	40.490	ng	100
14) 1,2-Dichlorobenzene	8.134	146	830948	40.644	ng	100
15) Benzyl Alcohol	8.016	79	576334	41.317	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.310	45	766170	40.550	ng	100
17) 2-Methylphenol	8.228	107	539006	40.462	ng	100
18) Hexachloroethane	8.857	117	304783	40.360	ng	100
19) n-Nitroso-di-n-propyla...	8.586	70	505613	41.211	ng	100
20) 3+4-Methylphenols	8.551	107	739987	40.745	ng	100
22) Acetophenone	8.598	105	1021725	40.944	ng	100
24) Nitrobenzene	8.975	77	731712	41.211	ng	100
25) Isophorone	9.504	82	1264620	40.940	ng	100
26) 2-Nitrophenol	9.686	139	389011	41.338	ng	100
27) 2,4-Dimethylphenol	9.751	122	438345	41.102	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	842494	40.740	ng	100
29) 2,4-Dichlorophenol	10.222	162	725384	40.918	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	829411	40.442	ng	100
31) Naphthalene	10.622	128	2139433	40.550	ng	100
32) Benzoic acid	9.875	122	471552	37.918	ng	100
33) 4-Chloroaniline	10.728	127	780602	41.899	ng	100
34) Hexachlorobutadiene	10.916	225	511599	40.329	ng	100
35) Caprolactam	11.516	113	208829	41.071	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	635013	40.893	ng	100
37) 2-Methylnaphthalene	12.239	142	1506744	40.533	ng	100
38) 1-Methylnaphthalene	12.457	142	1464829	40.448	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	910125	40.362	ng	100
41) Hexachlorocyclopentadiene	12.592	237	340037	43.036	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	592155	41.269	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

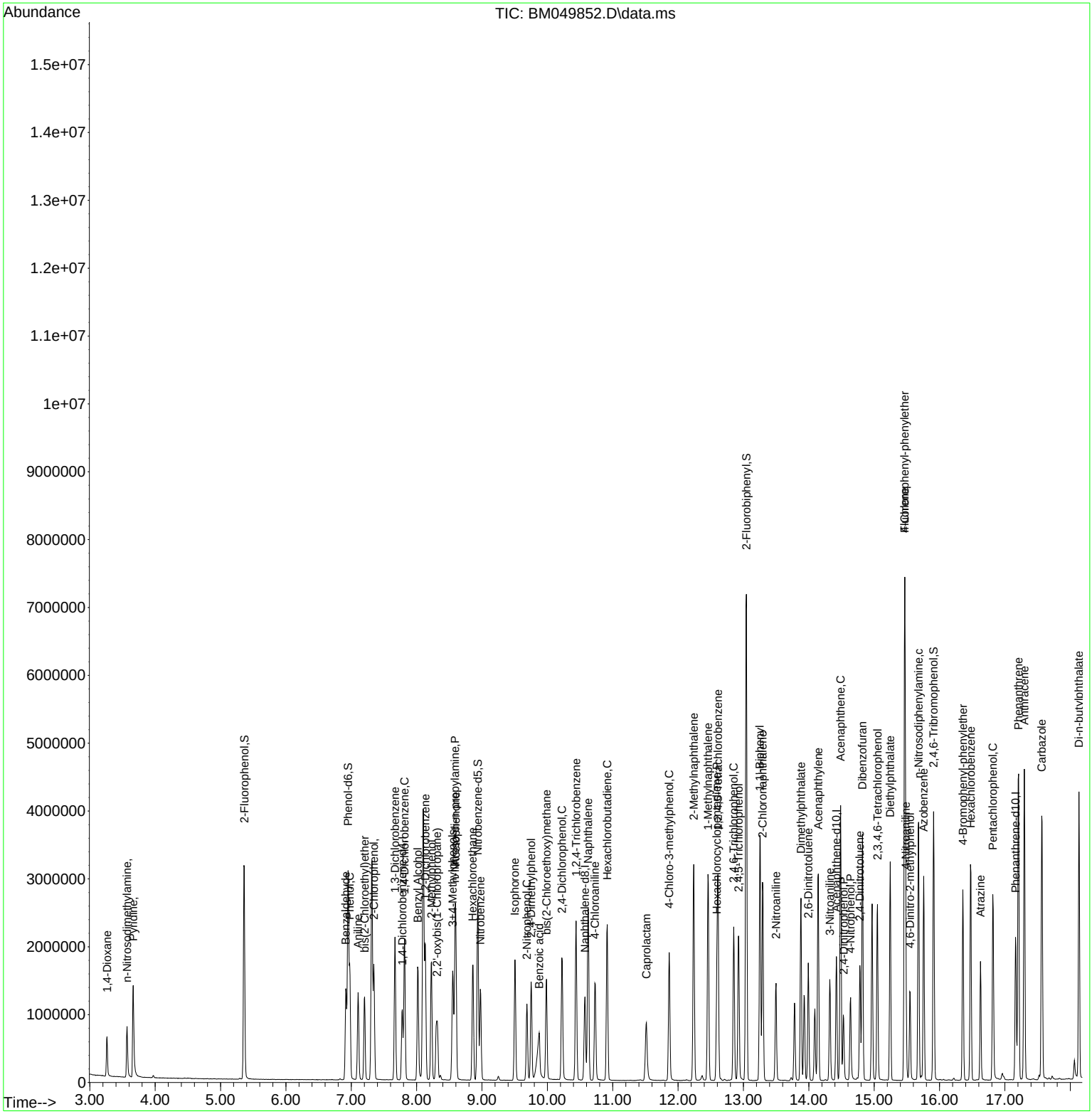
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645125	41.373	ng	100
46) 1,1'-Biphenyl	13.251	154	1969872	41.114	ng	100
47) 2-Chloronaphthalene	13.292	162	1538747	40.860	ng	100
48) 2-Nitroaniline	13.498	65	365393	41.941	ng	100
49) Acenaphthylene	14.145	152	2245605	40.937	ng	100
50) Dimethylphthalate	13.880	163	1853920	40.771	ng	100
51) 2,6-Dinitrotoluene	13.992	165	400110	41.998	ng	100
52) Acenaphthene	14.486	154	1434901	41.123	ng	100
53) 3-Nitroaniline	14.321	138	399172	43.352	ng	100
54) 2,4-Dinitrophenol	14.533	184	236910	38.463	ng	100
55) Dibenzofuran	14.821	168	2378962	40.784	ng	100
56) 4-Nitrophenol	14.639	139	348645	42.490	ng	100
57) 2,4-Dinitrotoluene	14.780	165	542212	42.662	ng	100
58) Fluorene	15.468	166	1908871	41.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	550595	40.287	ng	100
60) Diethylphthalate	15.245	149	1791575	41.085	ng	100
61) 4-Chlorophenyl-phenyle...	15.468	204	1016885	40.907	ng	100
62) 4-Nitroaniline	15.486	138	411956	43.263	ng	100
63) Azobenzene	15.757	77	1549968	41.517	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	332394	41.869	ng	100
66) n-Nitrosodiphenylamine	15.680	169	1560374	41.387	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	601282	41.113	ng	100
68) Hexachlorobenzene	16.480	284	686665	40.933	ng	100
69) Atrazine	16.627	200	326609	33.411	ng	100
70) Pentachlorophenol	16.815	266	514744	41.678	ng	100
71) Phenanthrene	17.209	178	2854182	41.324	ng	100
72) Anthracene	17.298	178	2833652	41.631	ng	100
73) Carbazole	17.562	167	2667570	41.609	ng	100
74) Di-n-butylphthalate	18.133	149	3062695	41.476	ng	100
75) Fluoranthene	19.221	202	3495877	41.165	ng	100
77) Benzidine	19.403	184	1028267	60.691	ng	100
78) Pyrene	19.586	202	3596605	40.863	ng	100
80) Butylbenzylphthalate	20.486	149	1368958	41.392	ng	100
81) Benzo(a)anthracene	21.386	228	3478165	40.979	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1342391	41.880	ng	100
83) Chrysene	21.450	228	3299571	40.890	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2000260	41.512	ng	100
85) Di-n-octyl phthalate	22.444	149	3479444	41.276	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4168171	40.421	ng	100
88) Benzo(b)fluoranthene	23.456	252	3619584	40.968	ng	100
89) Benzo(k)fluoranthene	23.521	252	3436549	40.138	ng	100
90) Benzo(a)pyrene	24.268	252	3127065	40.278	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	3441534	40.519	ng	100
92) Benzo(g,h,i)perylene	28.856	276	3500110	40.326	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

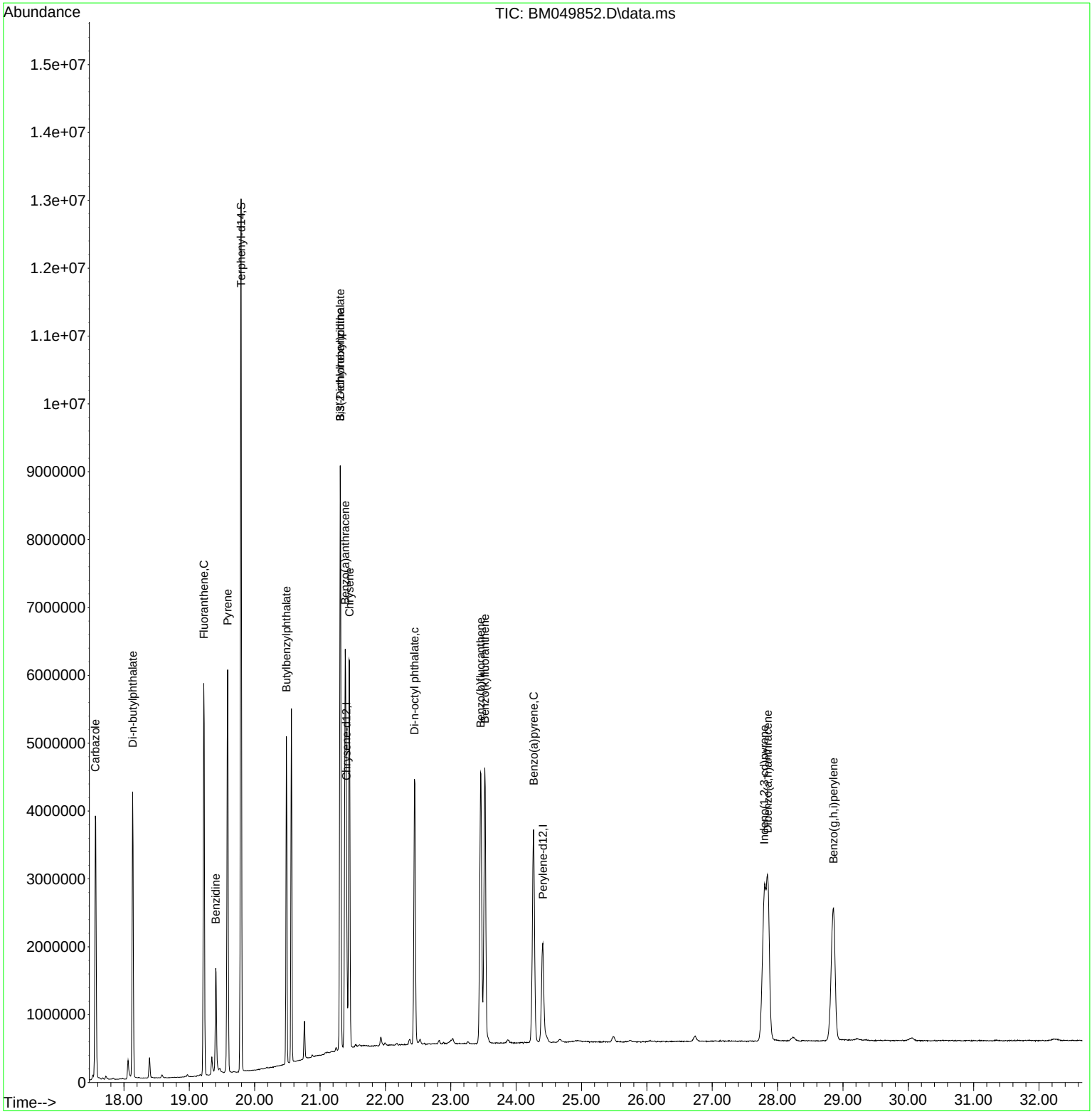
Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

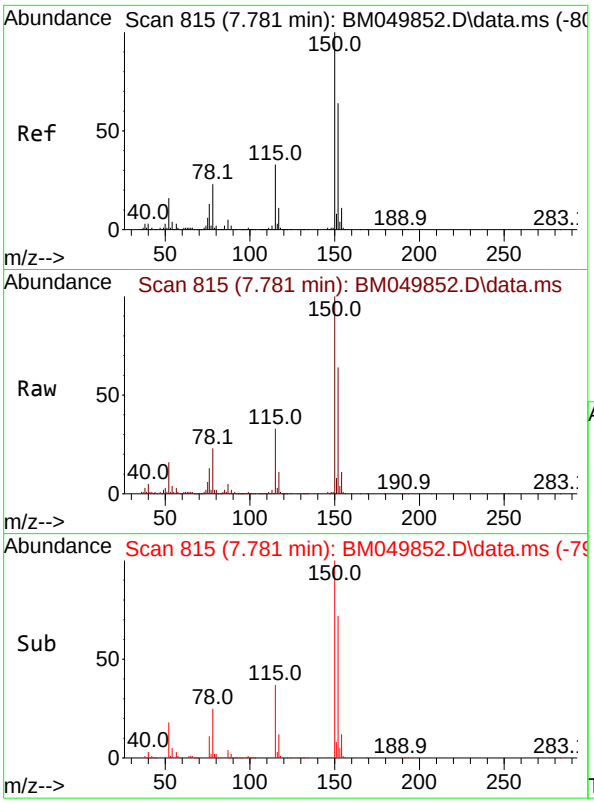


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



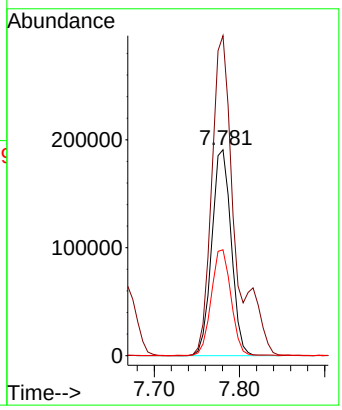


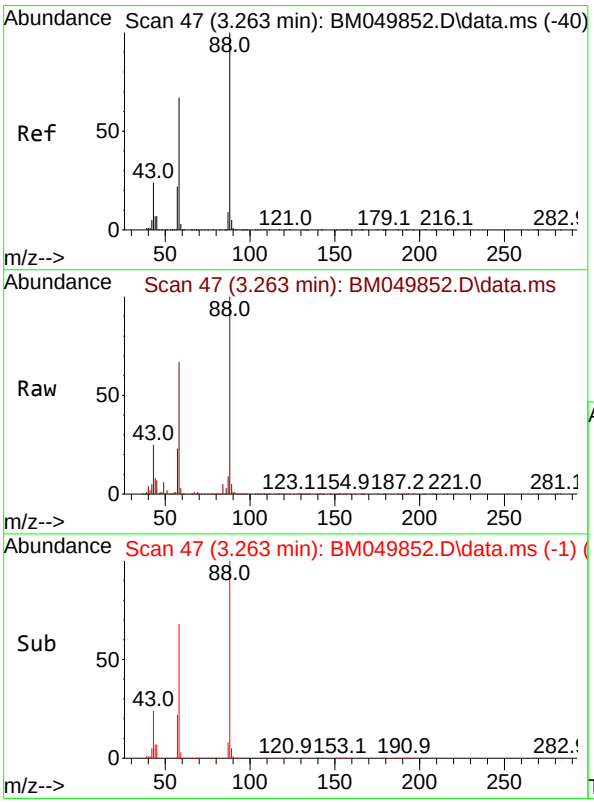
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 302331

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	51.4	41.1	61.7

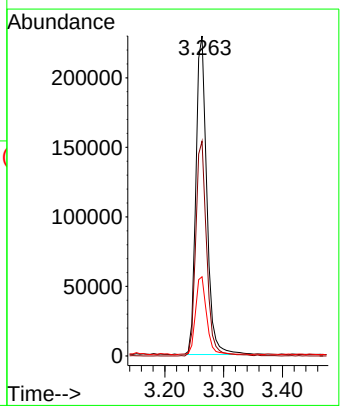


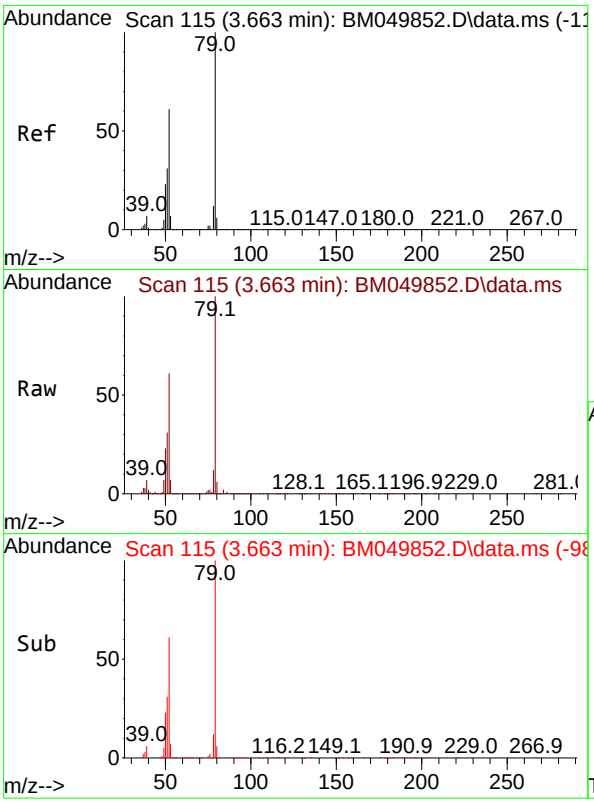


#2
1,4-Dioxane
Concen: 40.249 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 88 Resp: 295123

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	25.3	20.2	30.4



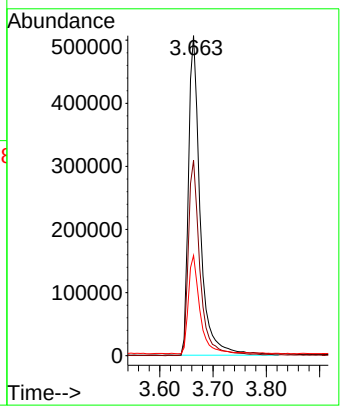


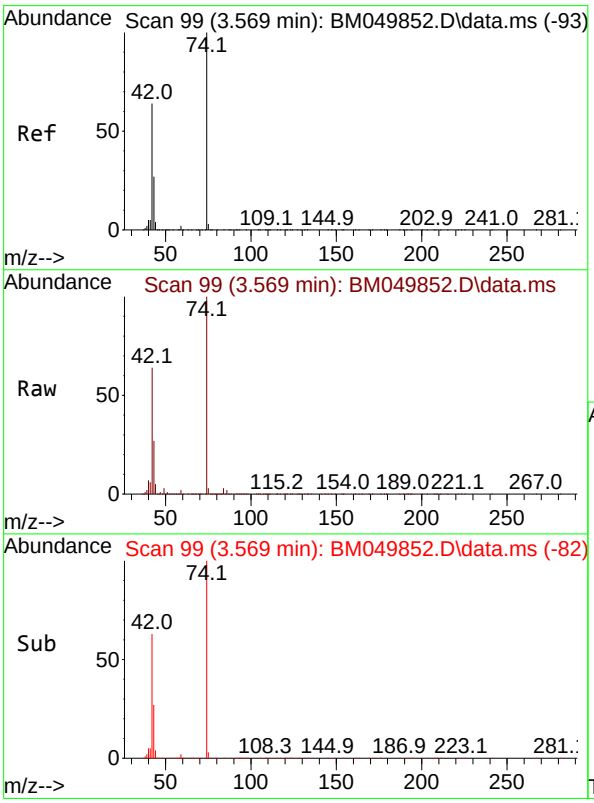
#3
Pyridine
Concen: 40.422 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 778424

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

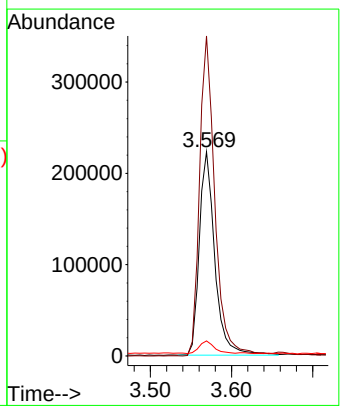


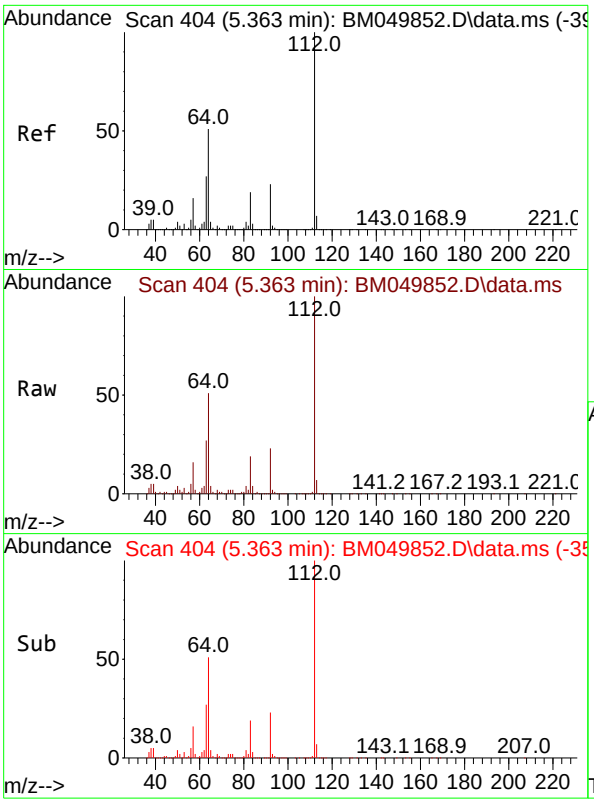


#4
n-Nitrosodimethylamine
Concen: 40.309 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 42 Resp: 295528

Ion	Ratio	Lower	Upper
42	100		
74	156.8	125.4	188.2
44	7.4	5.9	8.9



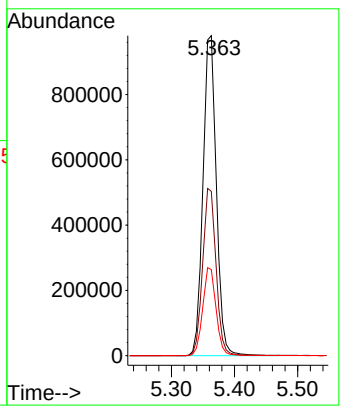


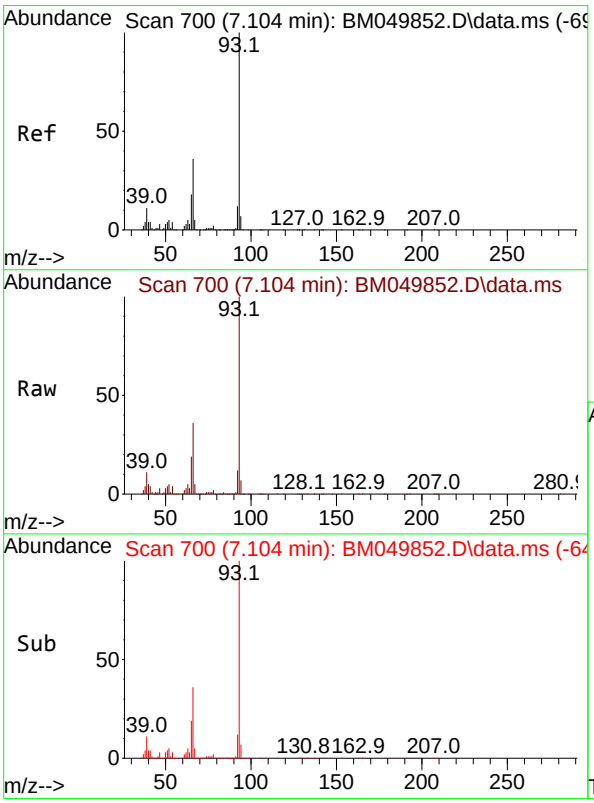
#5
2-Fluorophenol
Concen: 80.908 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1440504

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.0	61.6
63	26.9	21.5	32.3

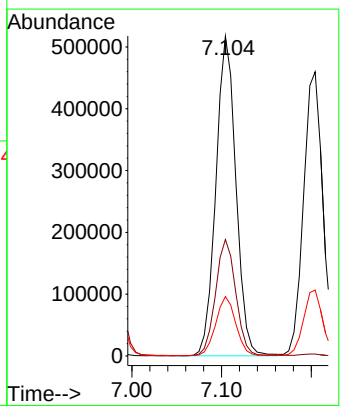


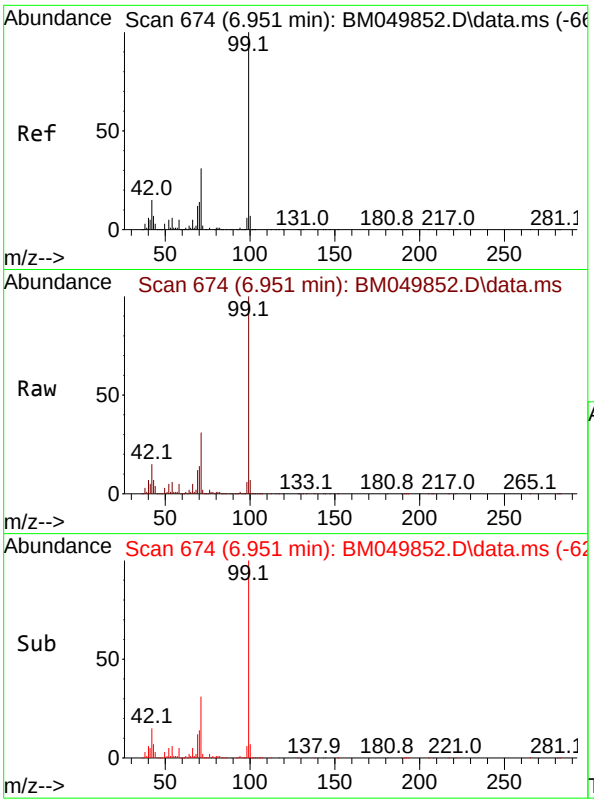


#6
Aniline
Concen: 42.221 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 801408

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.6	14.9	22.3



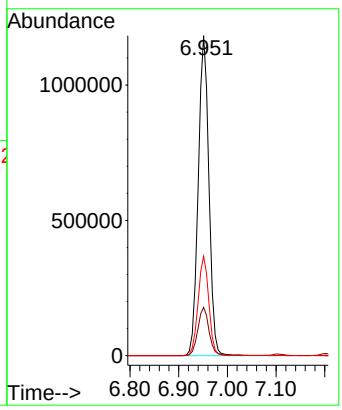


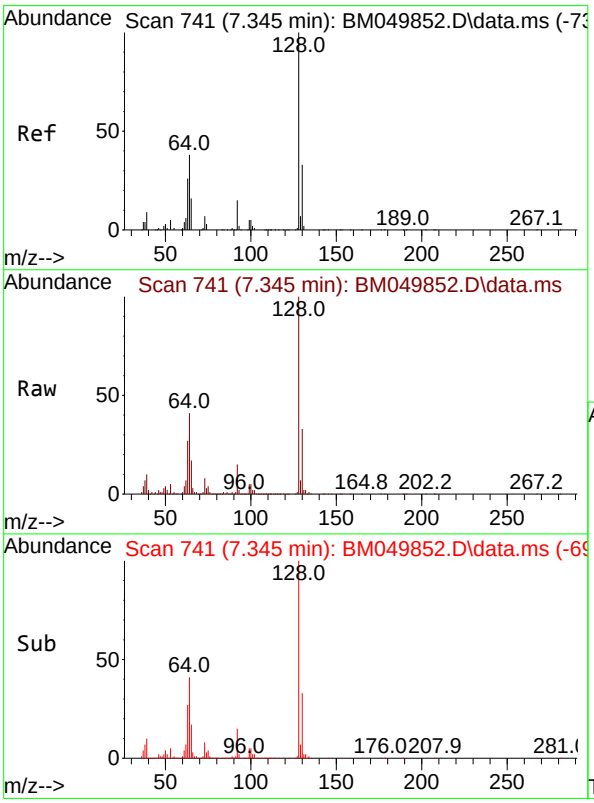
#7
Phenol-d6
Concen: 81.386 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1802855

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

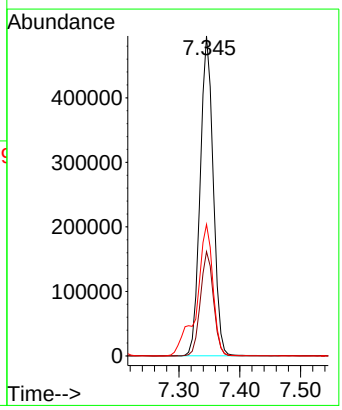


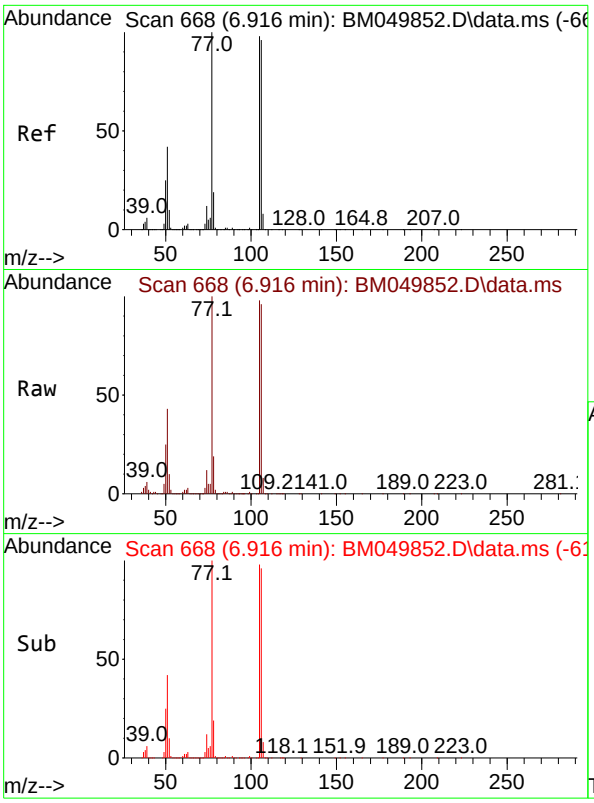


#8
2-Chlorophenol
Concen: 40.349 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:128 Resp: 736217

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	41.1	21.1	61.1



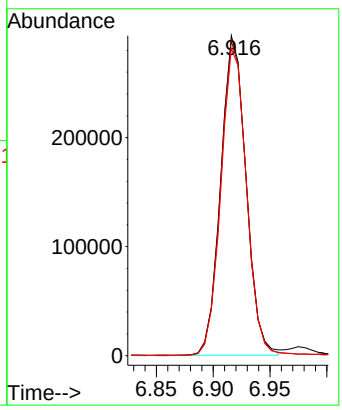


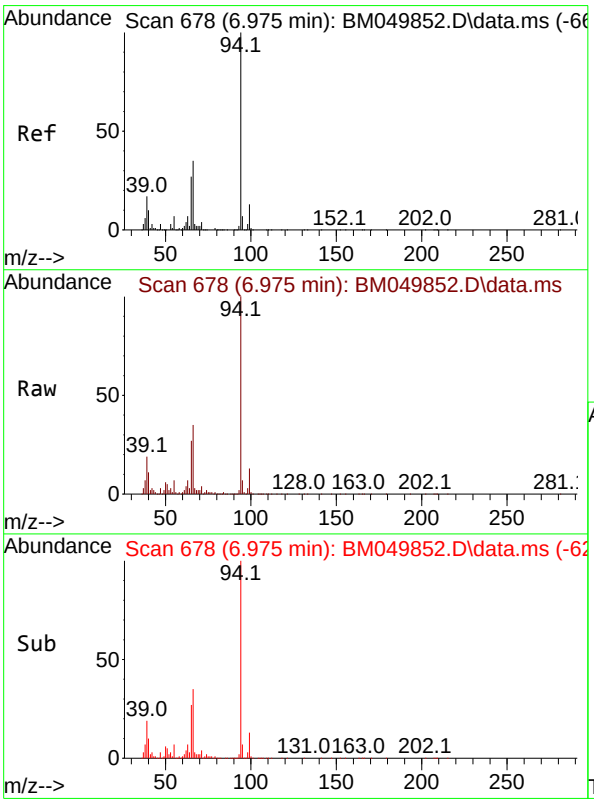
#9
Benzaldehyde
Concen: 39.945 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 453694

Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.3	118.3
106	96.0	76.0	116.0

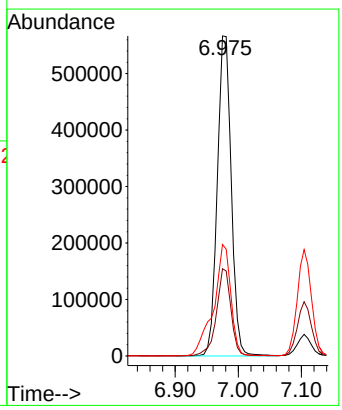


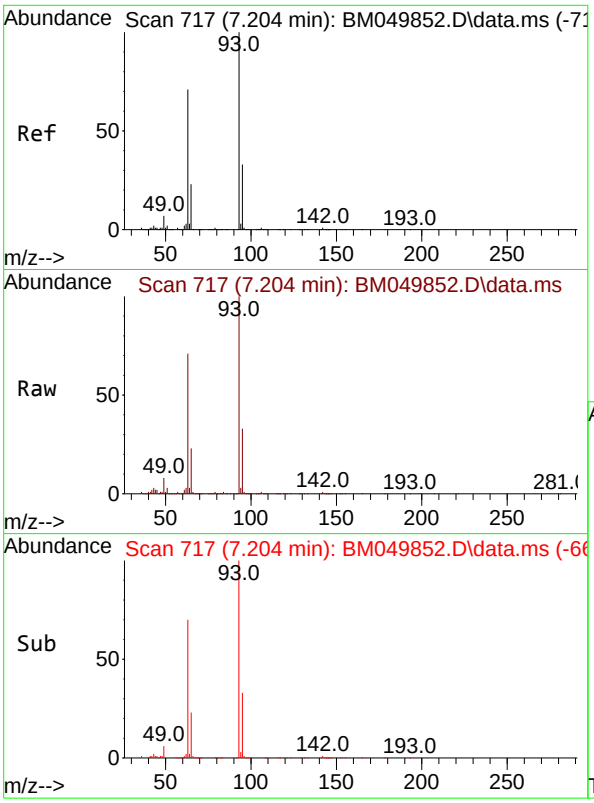


#10
Phenol
Concen: 40.321 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 94 Resp: 871619

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	34.8	14.8	54.8



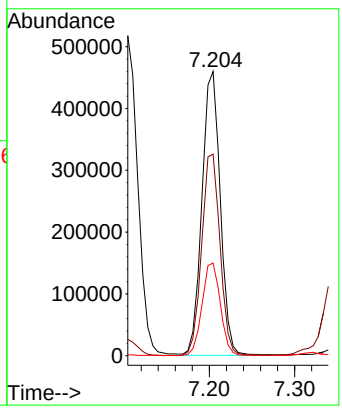


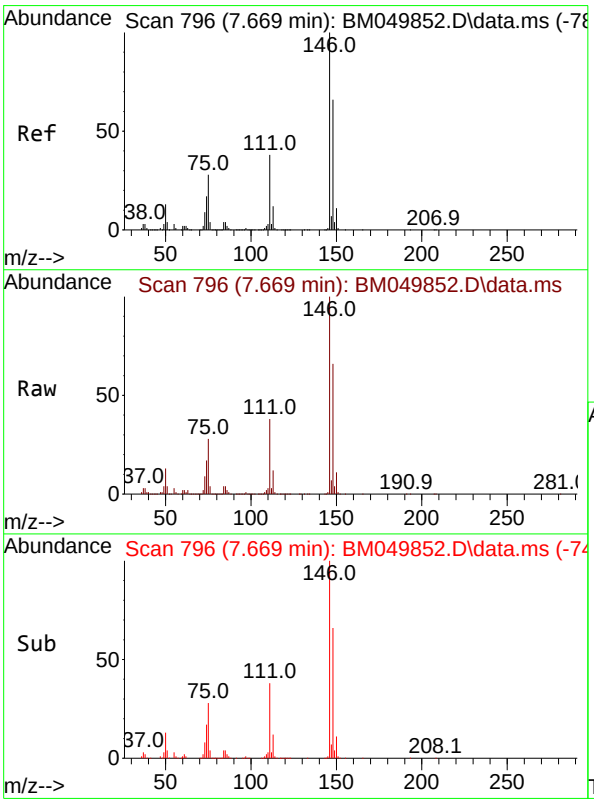
#11
bis(2-Chloroethyl)ether
Concen: 40.490 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 686377

Ion	Ratio	Lower	Upper
93	100		
63	70.9	50.9	90.9
95	32.6	12.6	52.6

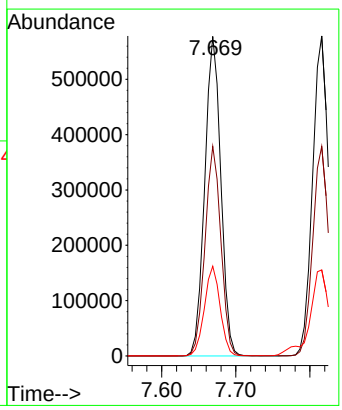


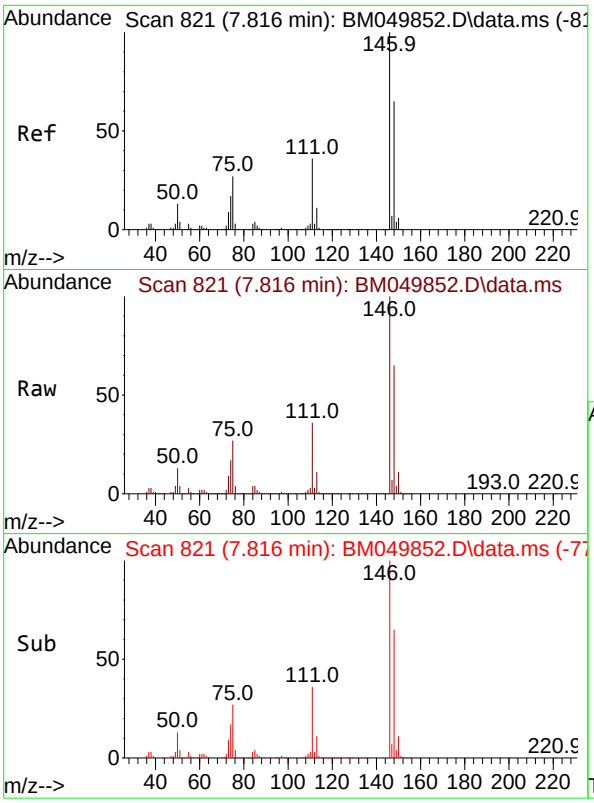


#12
1,3-Dichlorobenzene
Concen: 40.310 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 869556

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.1	22.5	33.7



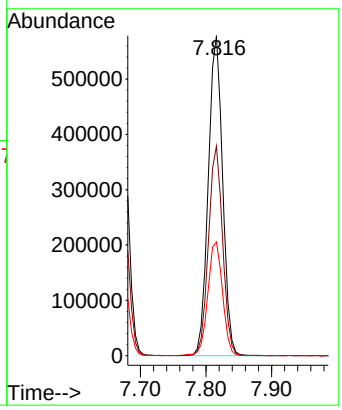


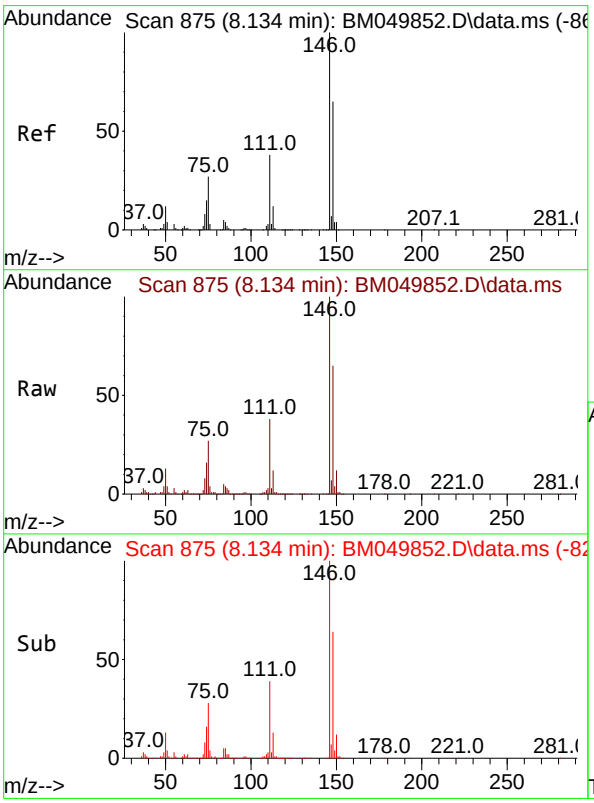
#13
1,4-Dichlorobenzene
Concen: 40.490 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 878856

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	35.6	28.5	42.7

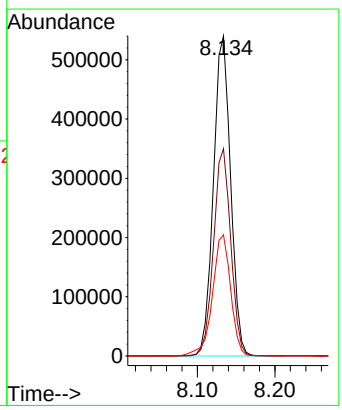


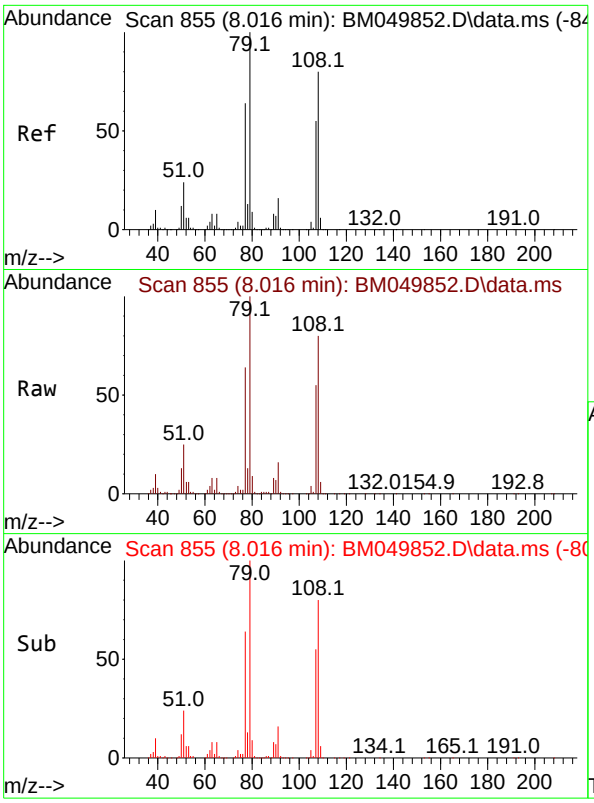


#14
1,2-Dichlorobenzene
Concen: 40.644 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 830948

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	37.8	30.2	45.4



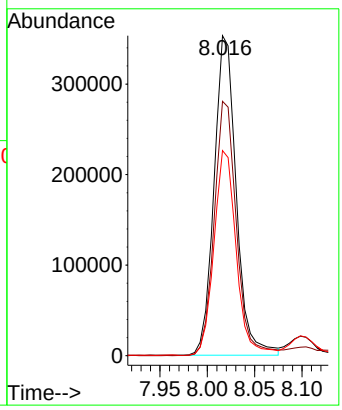


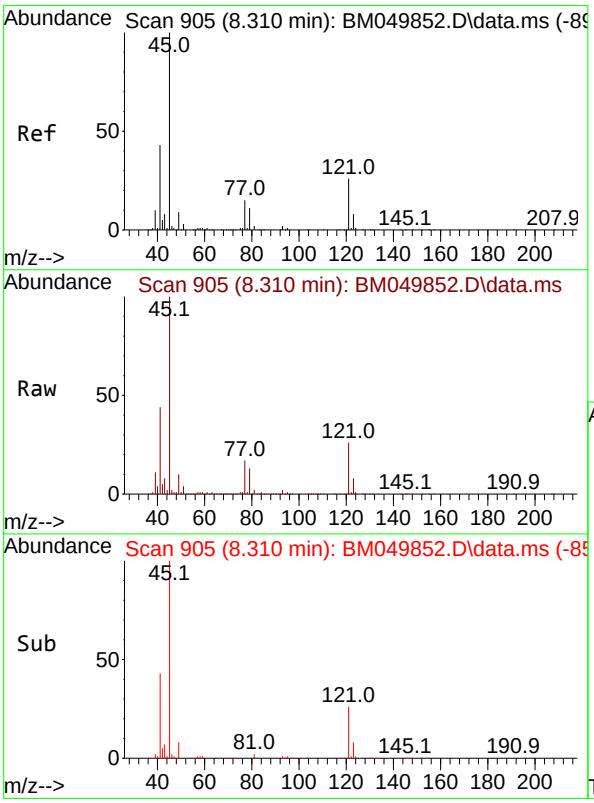
#15
Benzyl Alcohol
Concen: 41.317 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 576334

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.6	95.4
77	64.1	51.3	76.9

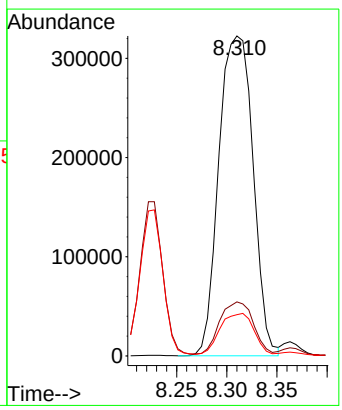


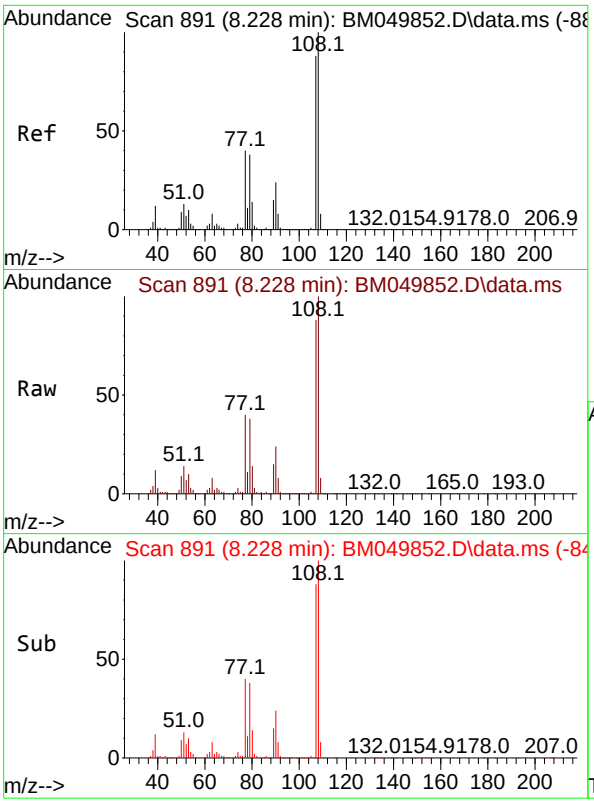


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.550 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 45 Resp: 766170

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.9	0.0	32.9



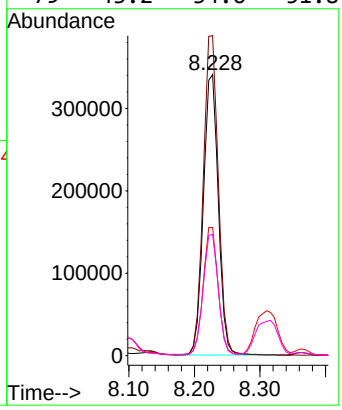


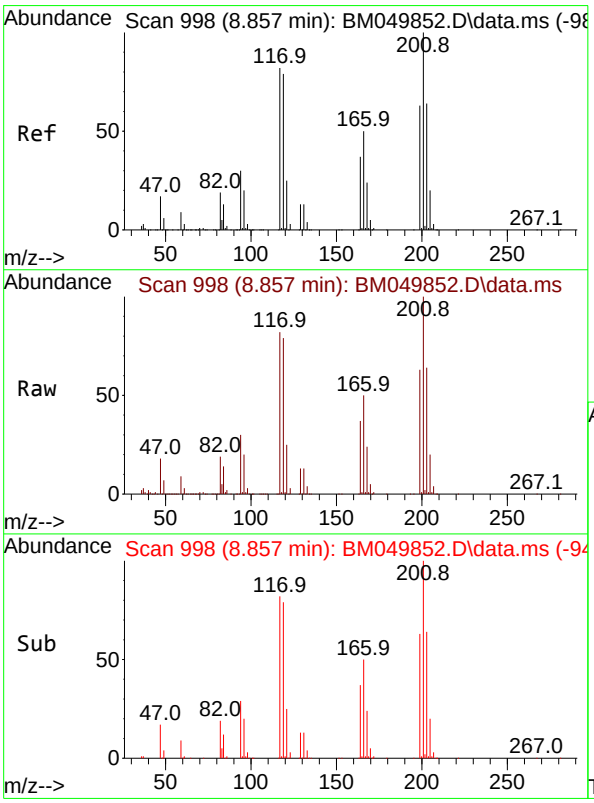
#17
2-Methylphenol
Concen: 40.462 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 539006

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.0	136.6
77	45.6	36.5	54.7
79	43.2	34.6	51.8

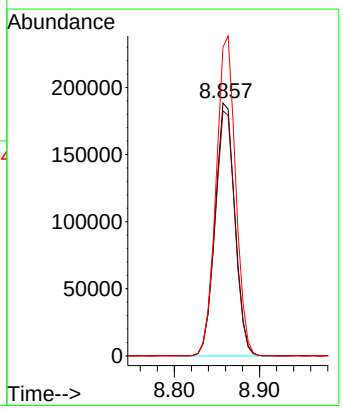


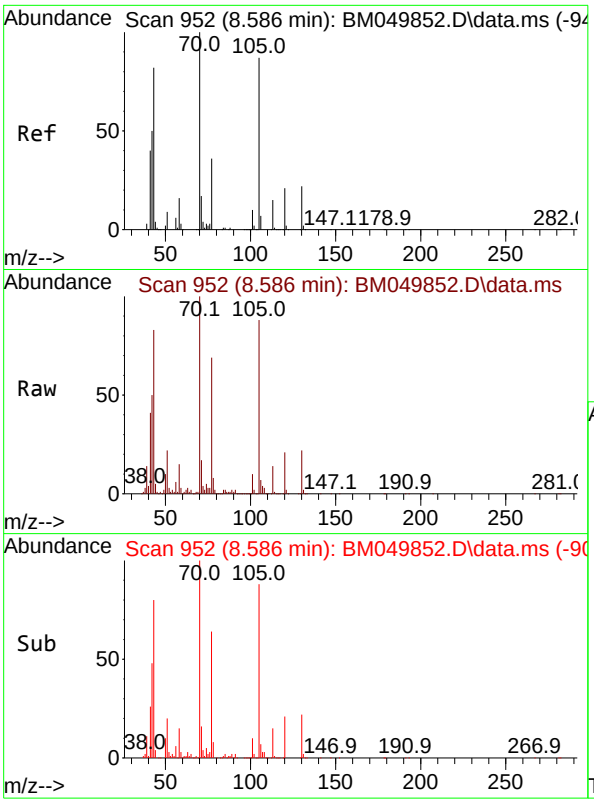


#18
Hexachloroethane
Concen: 40.360 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:117 Resp: 304783

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	122.1	97.7	146.5



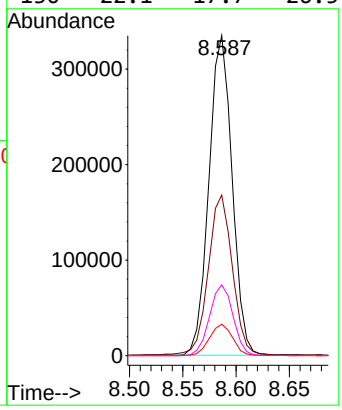


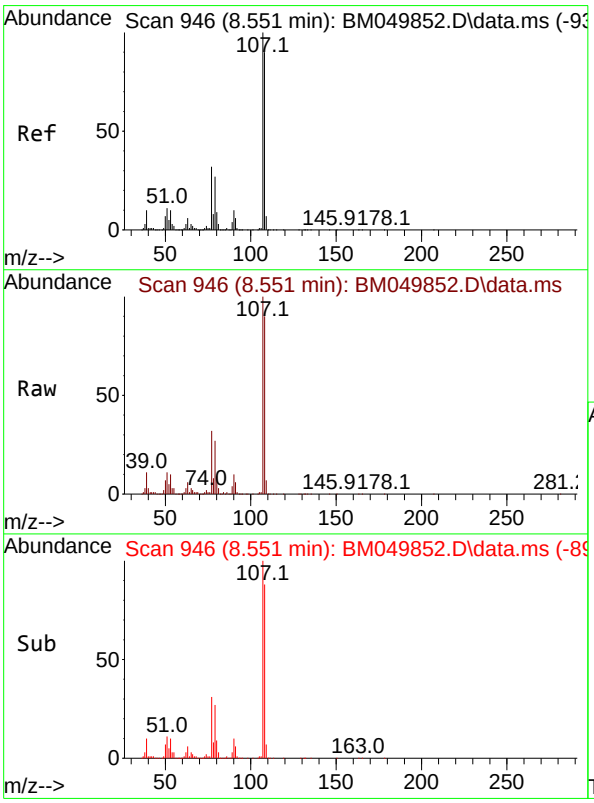
#19
n-Nitroso-di-n-propylamine
Concen: 41.211 ng
RT: 8.586 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 505613

Ion	Ratio	Lower	Upper
70	100		
42	50.2	40.2	60.2
101	9.9	7.9	11.9
130	22.1	17.7	26.5

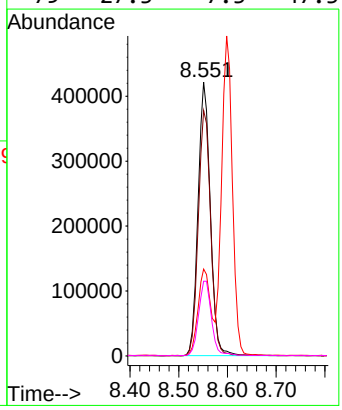


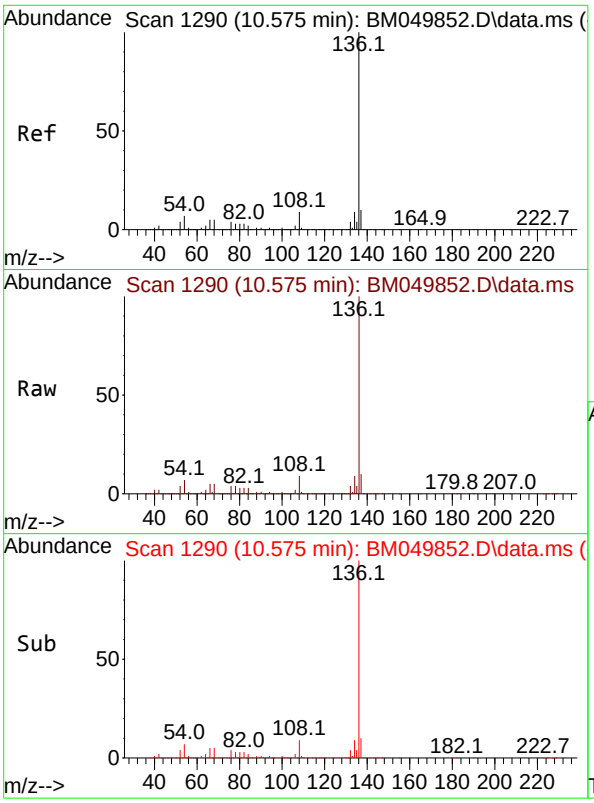


#20
3+4-Methylphenols
Concen: 40.745 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 739987

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	31.7	11.7	51.7
79	27.3	7.3	47.3



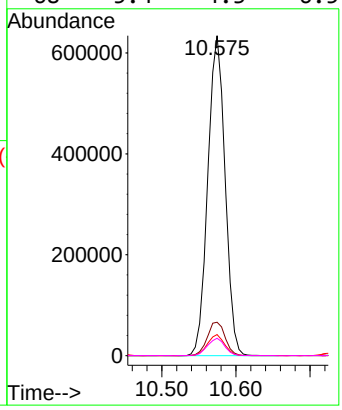


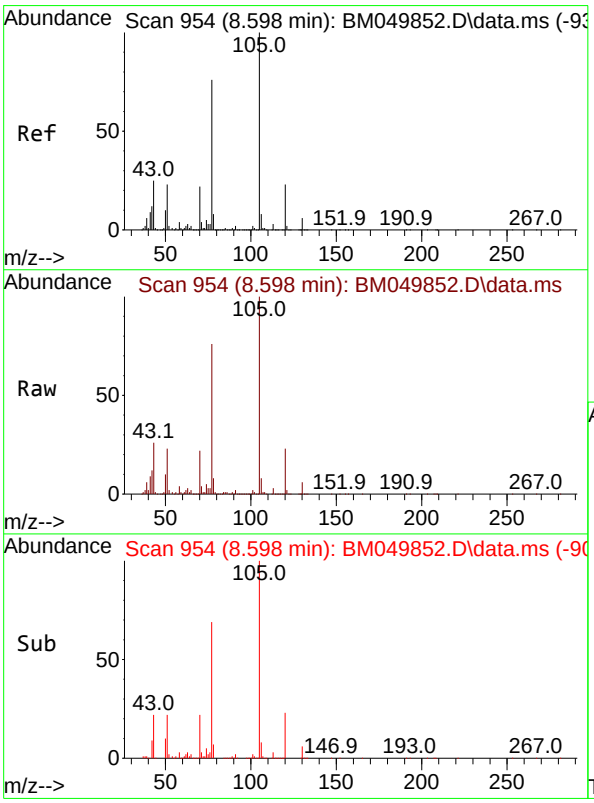
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1026791

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.6	5.3	7.9
68	5.4	4.3	6.5

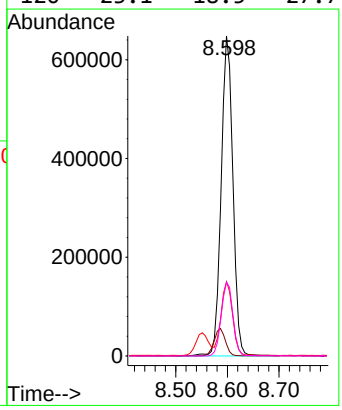


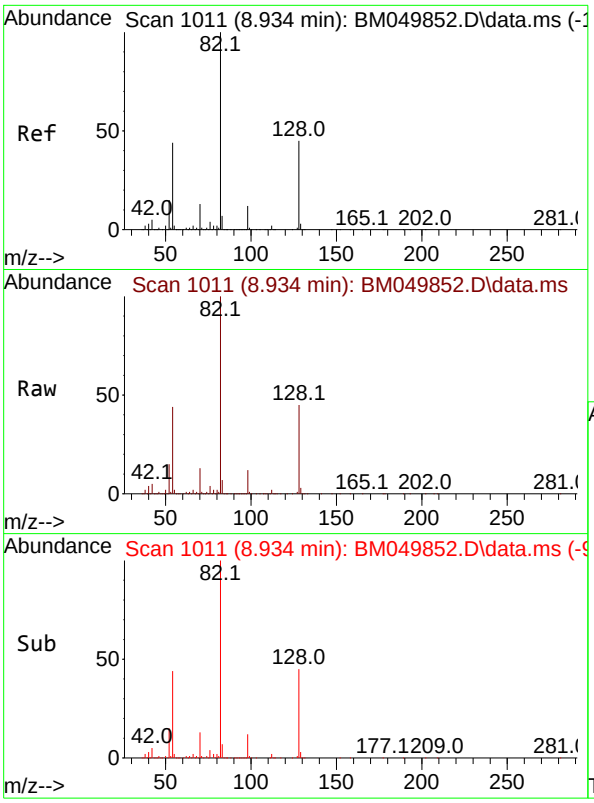


#22
Acetophenone
Concen: 40.944 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:105 Resp: 1021725

Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.0	4.4
51	23.2	18.6	27.8
120	23.1	18.5	27.7



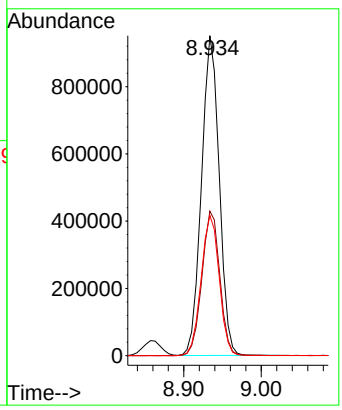


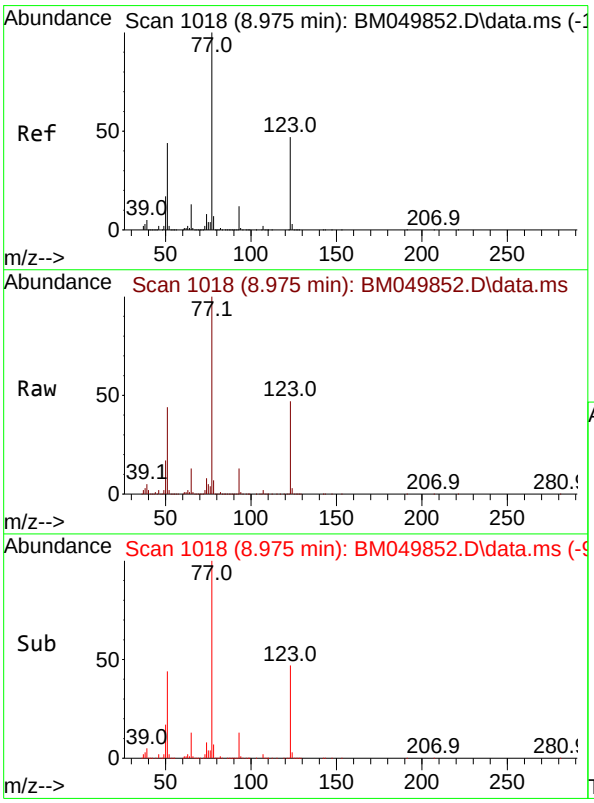
#23
Nitrobenzene-d5
Concen: 81.893 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1510046

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.2	54.2
54	43.8	35.0	52.6

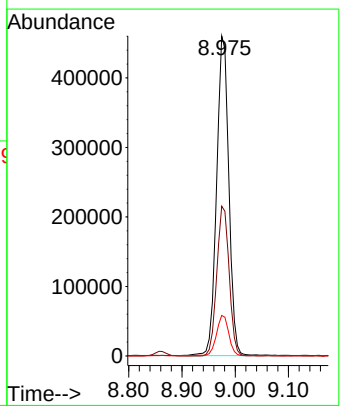


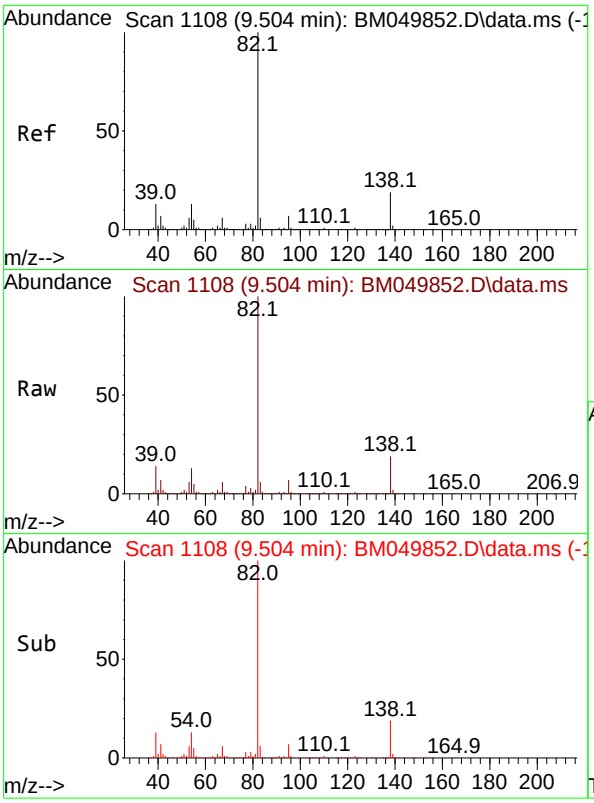


#24
Nitrobenzene
Concen: 41.211 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 77 Resp: 731712

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	12.6	10.1	15.1



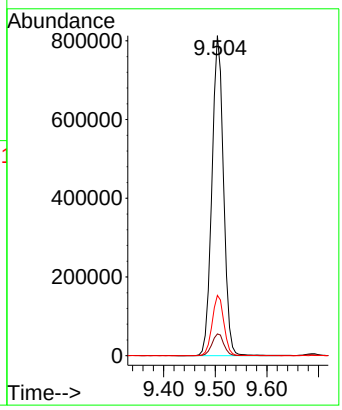


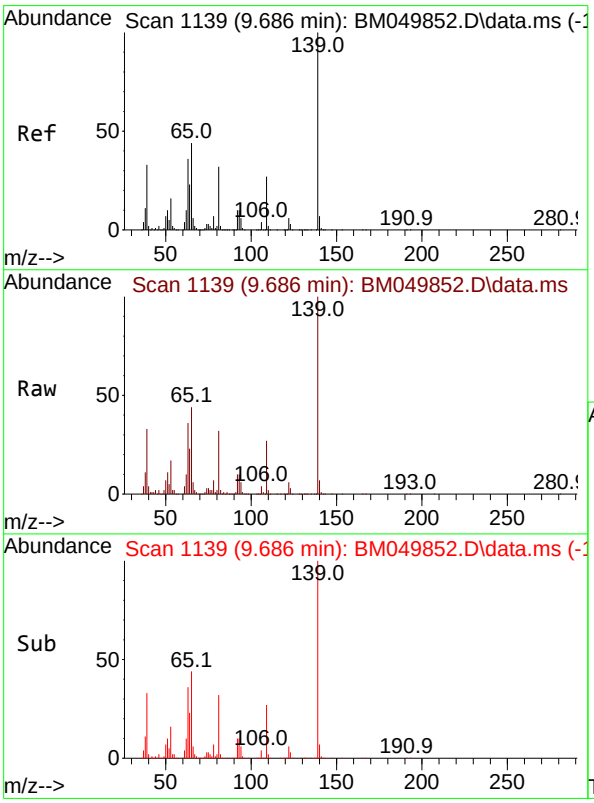
#25
Isophorone
Concen: 40.940 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1264620

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.8	15.0	22.6

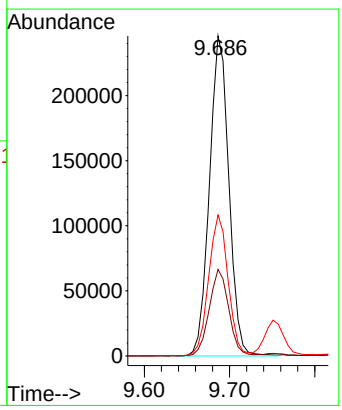


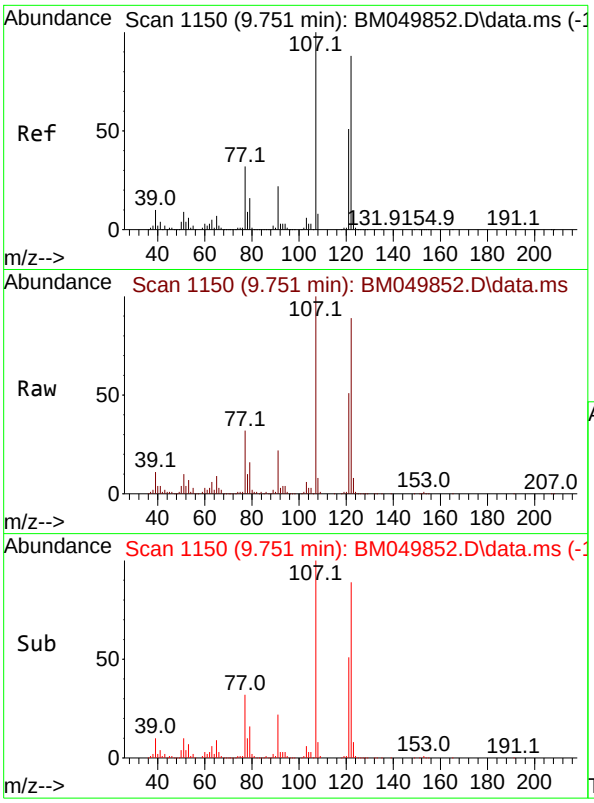


#26
2-Nitrophenol
Concen: 41.338 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 389011

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.7	32.5
65	44.0	35.2	52.8



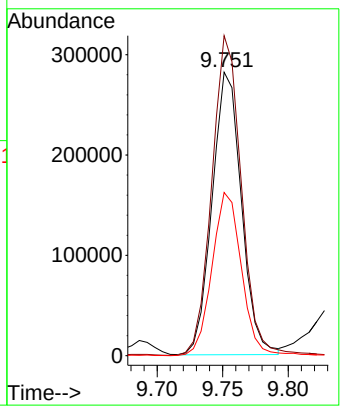


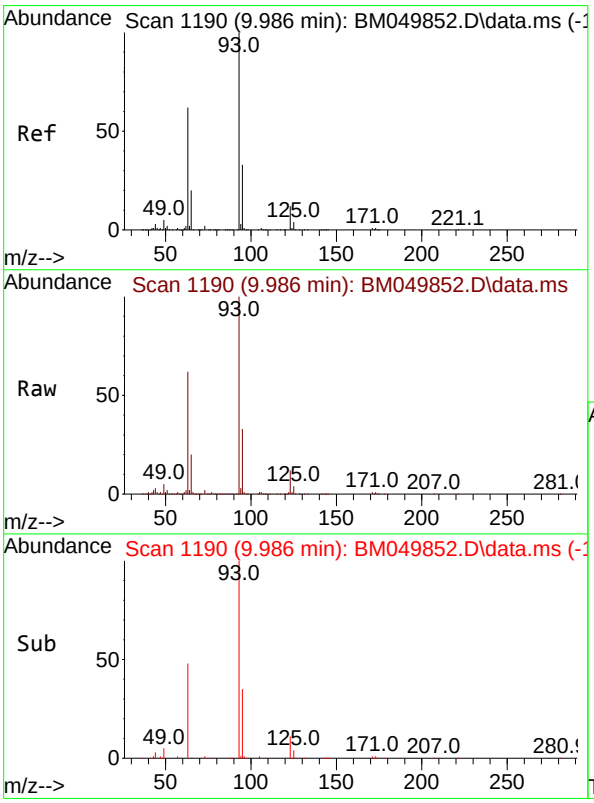
#27
2,4-Dimethylphenol
Concen: 41.102 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 438345

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.3	135.5
121	57.6	46.1	69.1

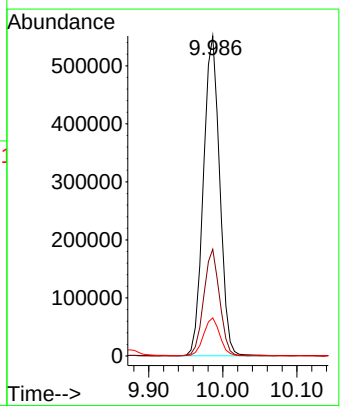


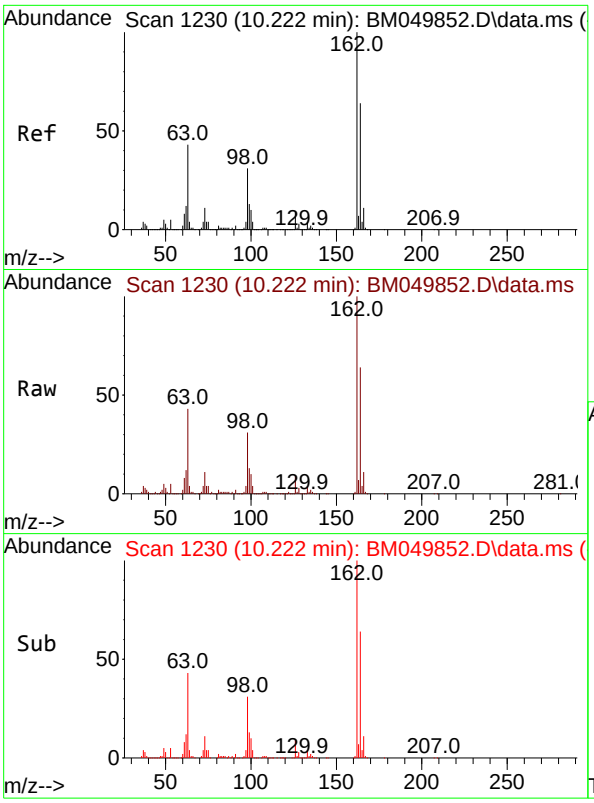


#28
bis(2-Chloroethoxy)methane
Concen: 40.740 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 842494

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.9	9.5	14.3



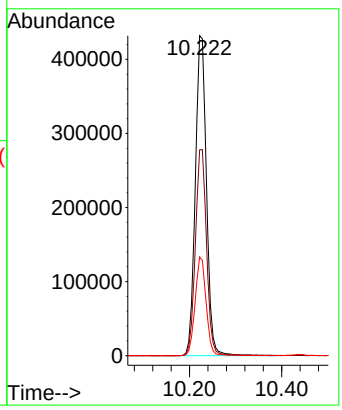


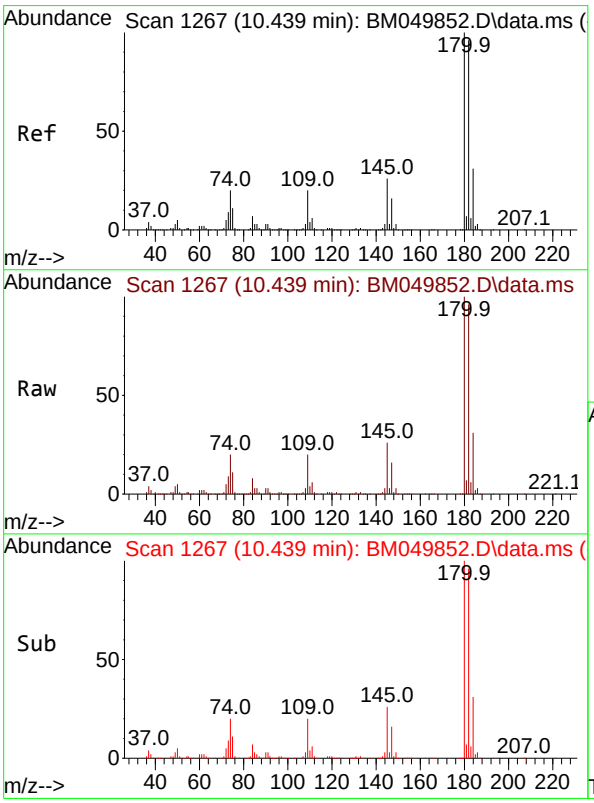
#29
2,4-Dichlorophenol
Concen: 40.918 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 725384

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	30.9	10.9	50.9

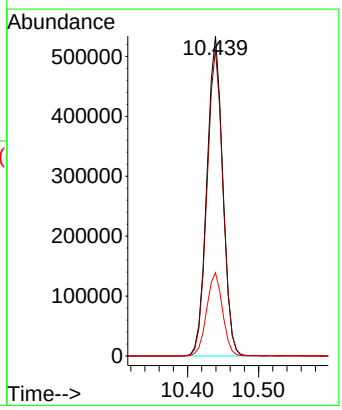


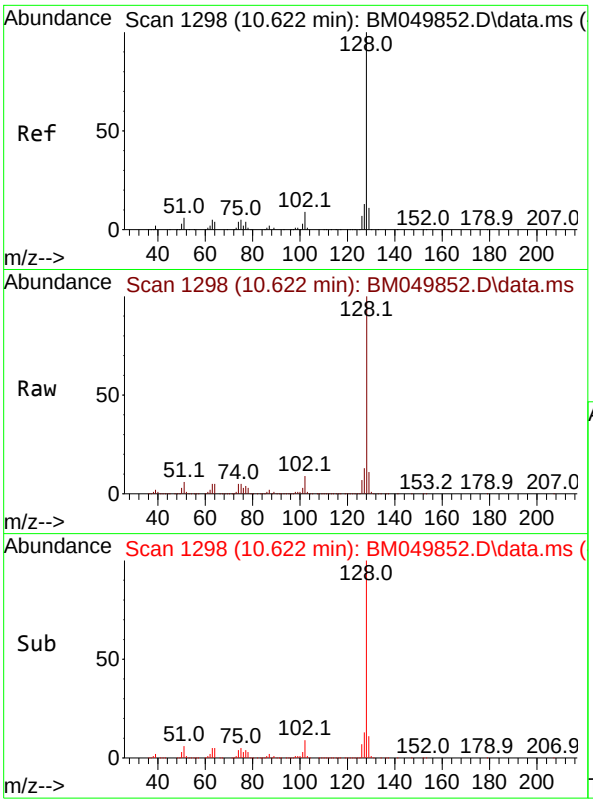


#30
1,2,4-Trichlorobenzene
Concen: 40.442 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:180 Resp: 829411

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	26.0	20.8	31.2



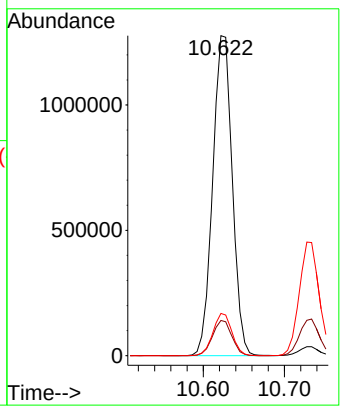


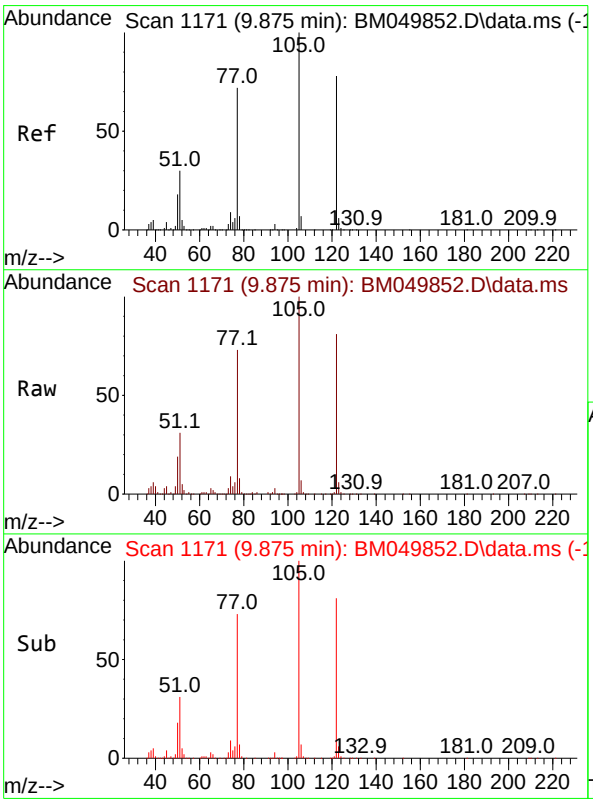
#31
Naphthalene
Concen: 40.550 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2139433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

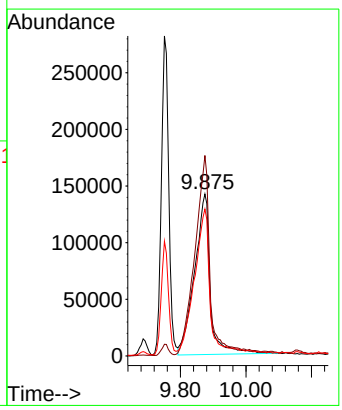


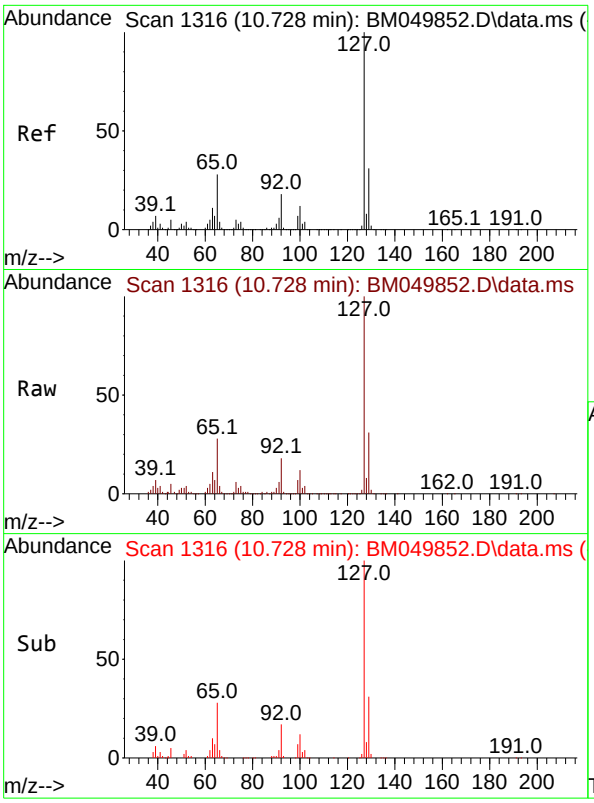


#32
Benzoic acid
Concen: 37.918 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:122 Resp: 471552

Ion	Ratio	Lower	Upper
122	100		
105	123.8	103.8	143.8
77	90.7	70.7	110.7



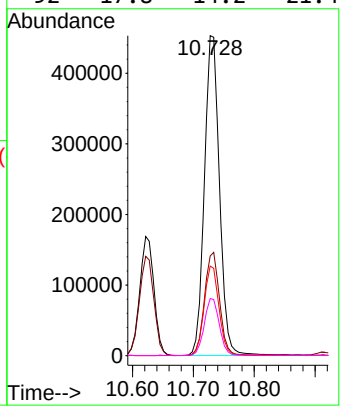


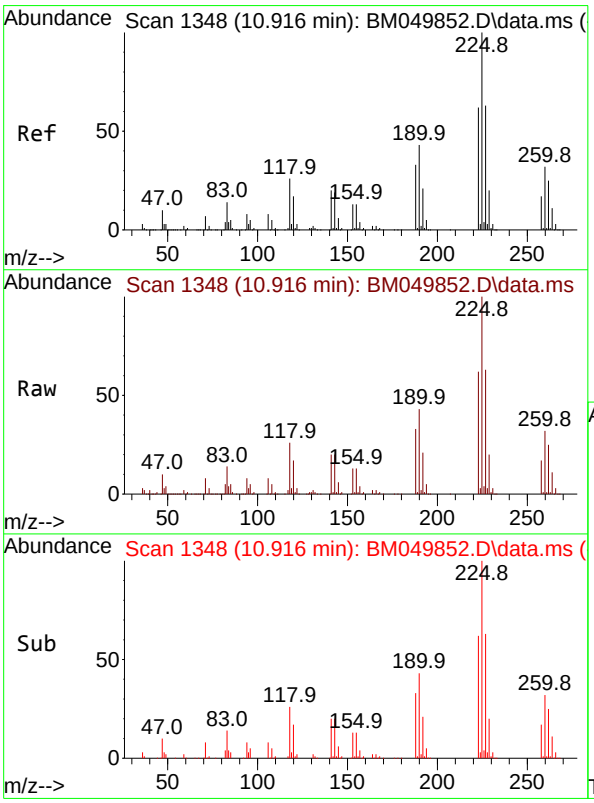
#33
4-Chloroaniline
Concen: 41.899 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 780602

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.0	22.4	33.6
92	17.8	14.2	21.4

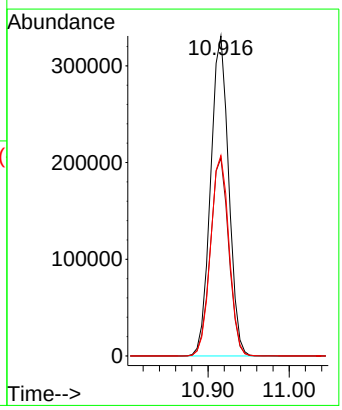


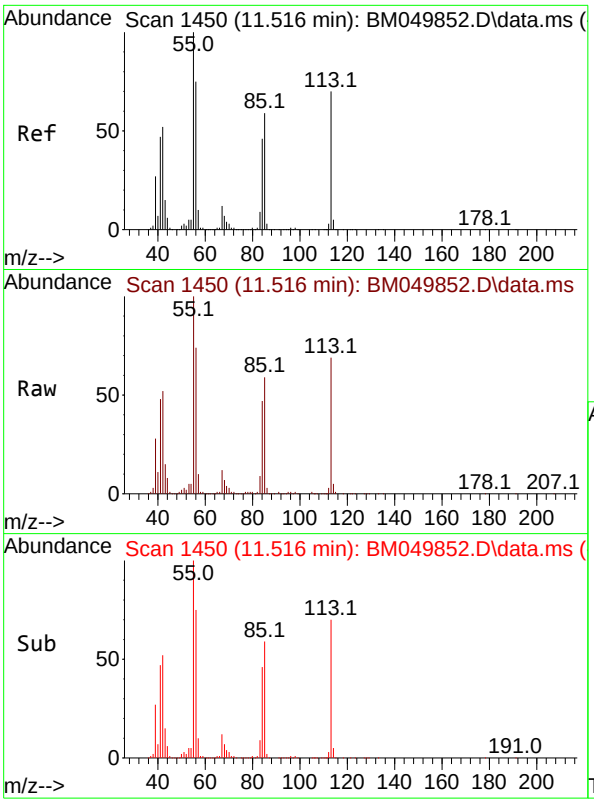


#34
Hexachlorobutadiene
Concen: 40.329 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:225 Resp: 511599

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.6	50.1	75.1



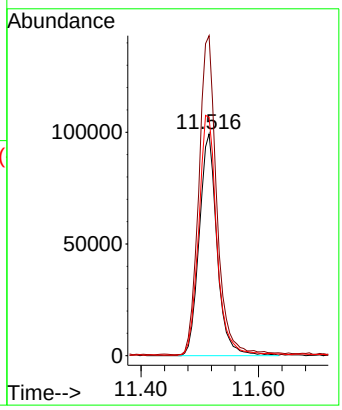


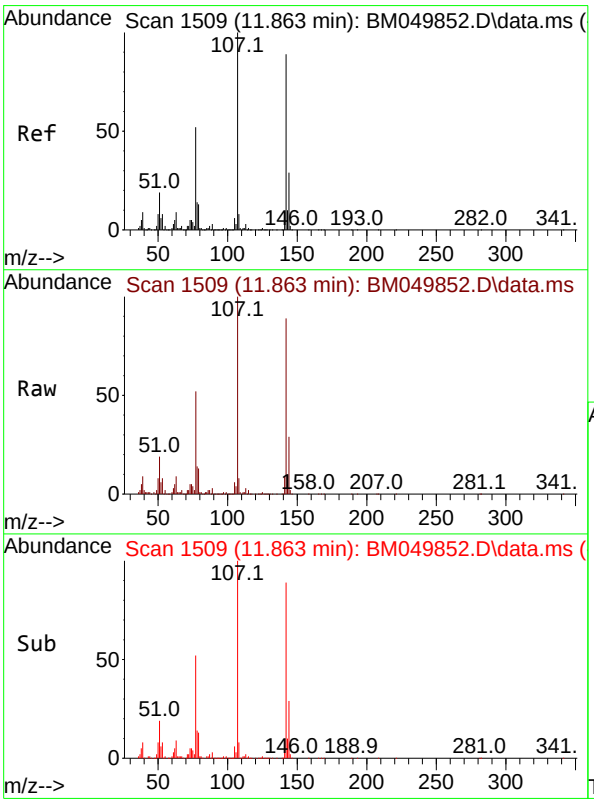
#35
Caprolactam
Concen: 41.071 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 208829

Ion	Ratio	Lower	Upper
113	100		
55	144.3	124.3	164.3
56	107.5	87.5	127.5

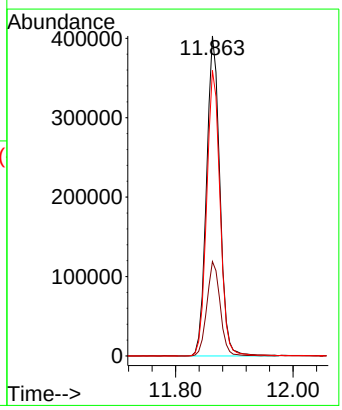


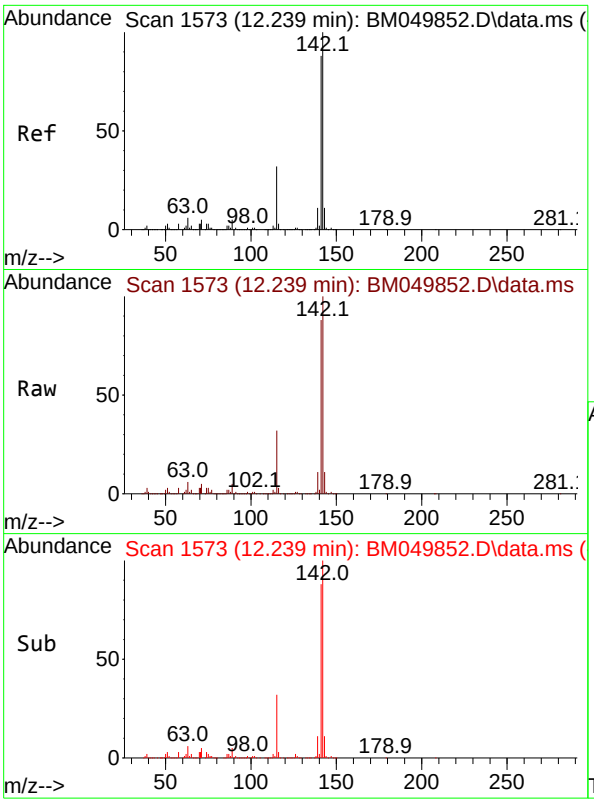


#36
4-Chloro-3-methylphenol
Concen: 40.893 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 635013

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.6	35.4
142	89.2	71.4	107.0



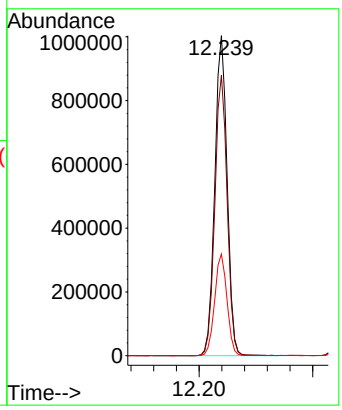


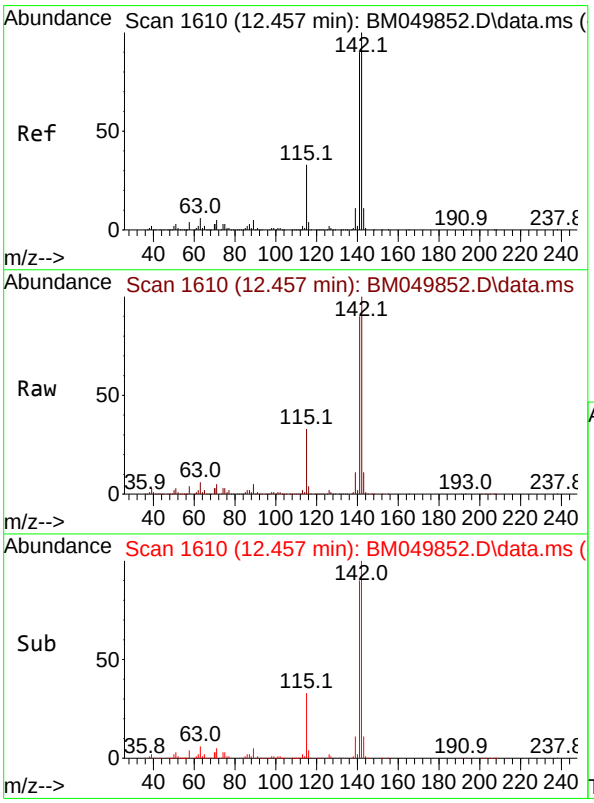
#37
2-Methylnaphthalene
Concen: 40.533 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1506744

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2
115	31.8	25.4	38.2

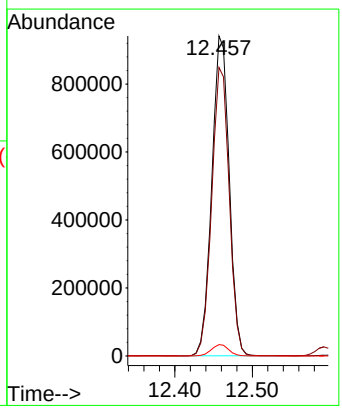


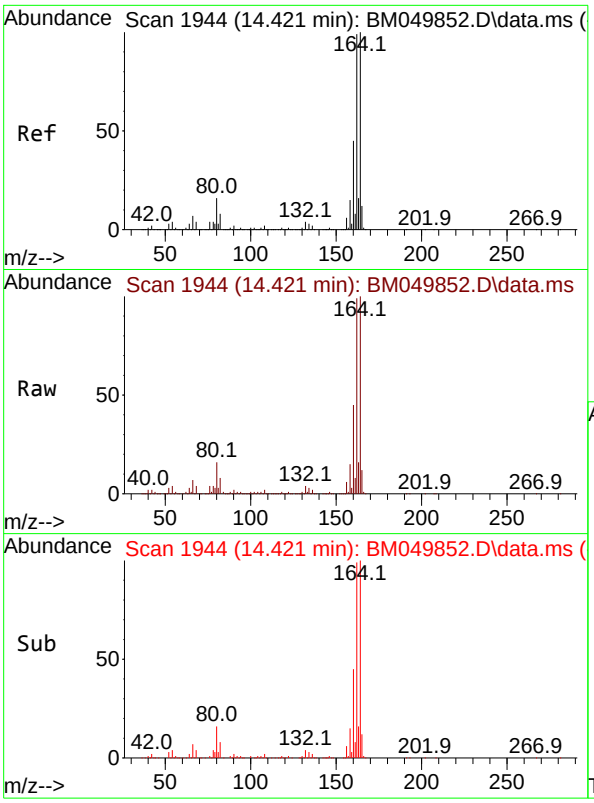


#38
1-Methylnaphthalene
Concen: 40.448 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:142 Resp: 1464829

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.6	2.9	4.3



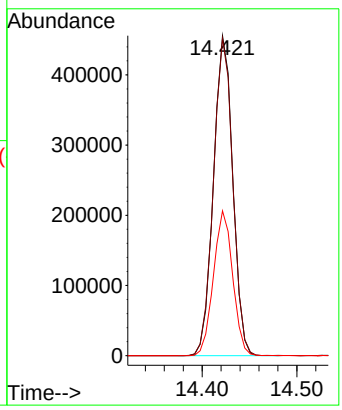


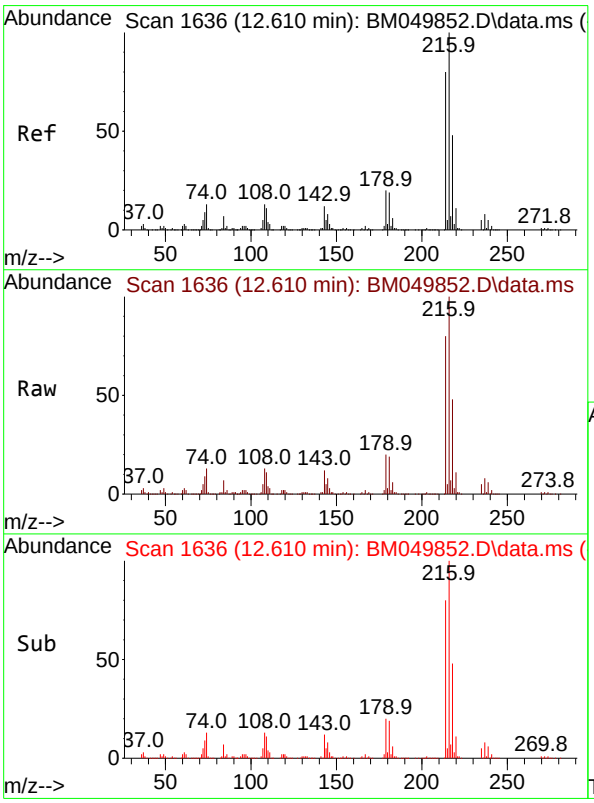
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 644538

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.2	36.2	54.2

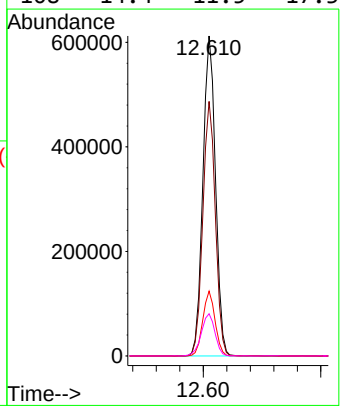


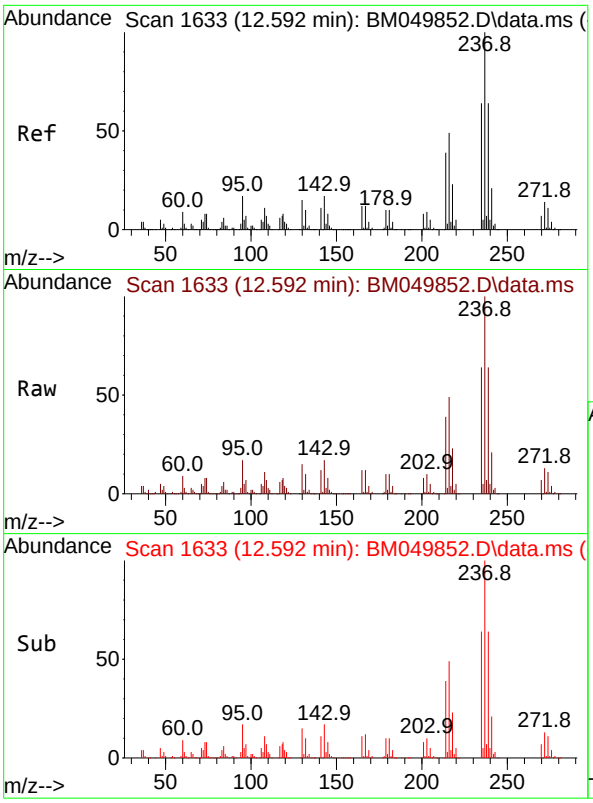


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.362 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:216 Resp: 910125

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	19.7	15.8	23.6
108	14.4	11.5	17.3



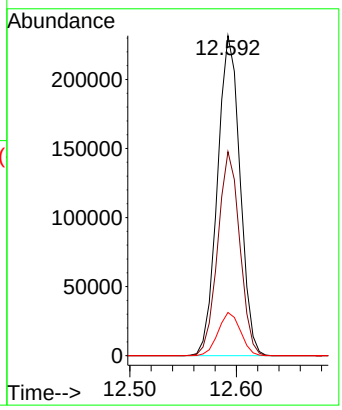


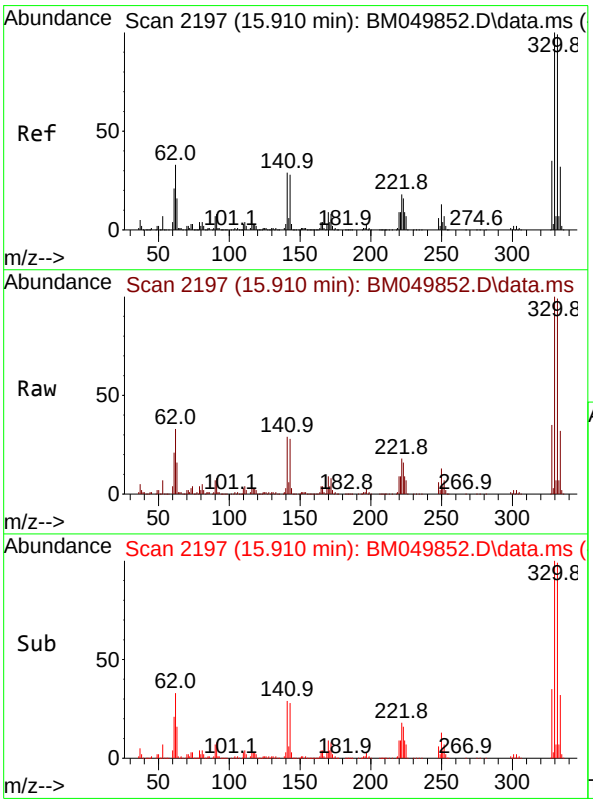
#41
Hexachlorocyclopentadiene
Concen: 43.036 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 340037

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.7	83.7
272	13.5	0.0	33.5

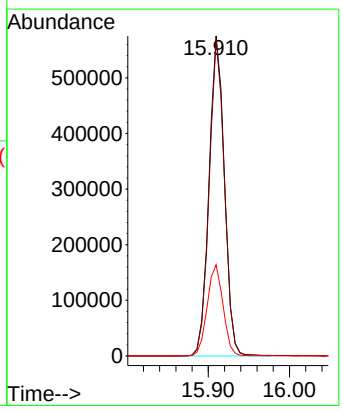


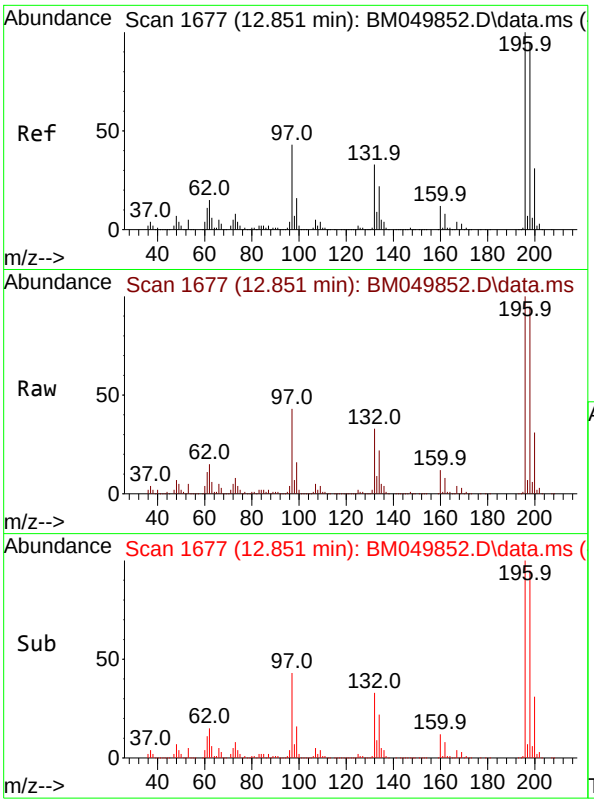


#42
2,4,6-Tribromophenol
Concen: 80.755 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:330 Resp: 757084

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.4	23.5	35.3



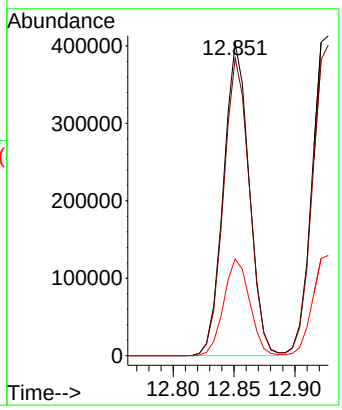


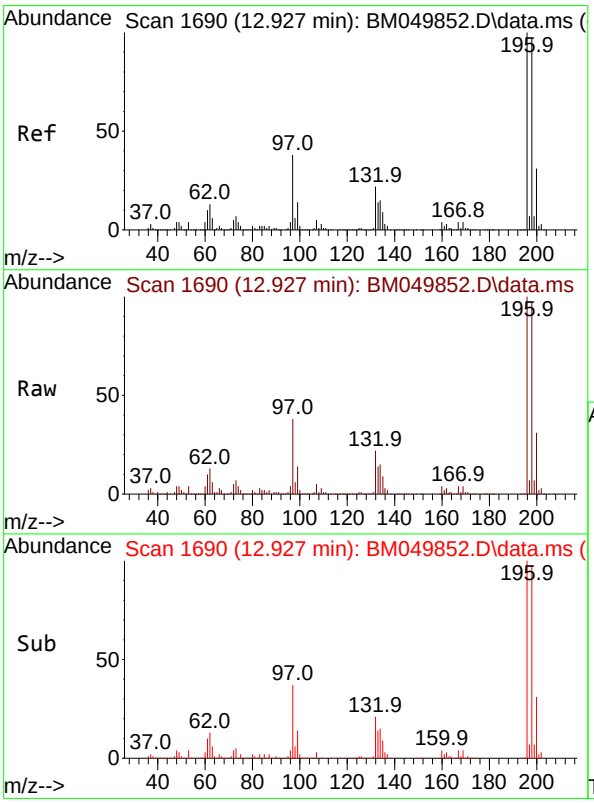
#43
2,4,6-Trichlorophenol
Concen: 41.269 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 592155

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
200	30.9	24.7	37.1

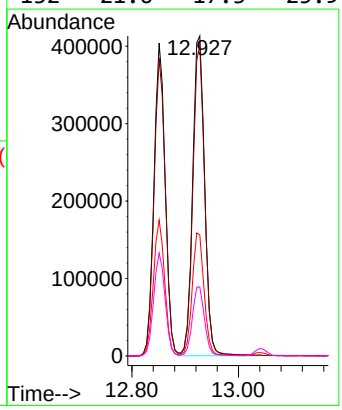


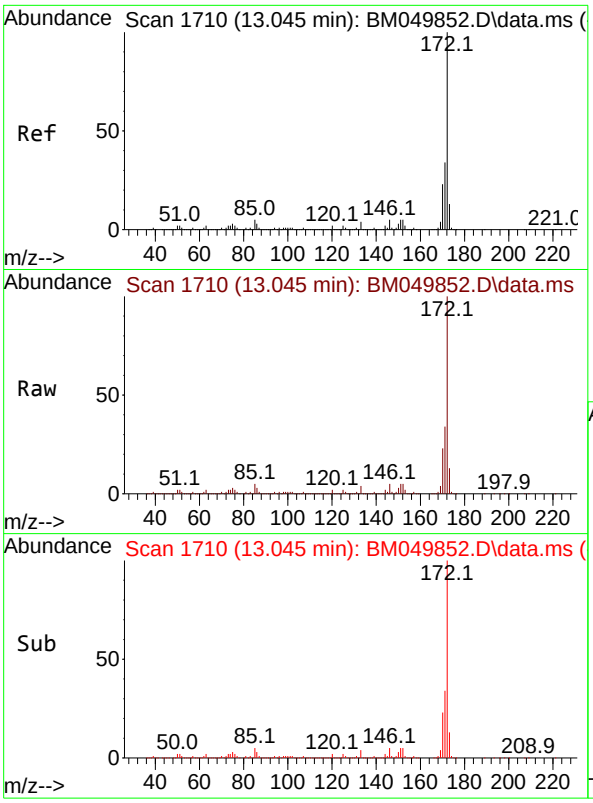


#44
2,4,5-Trichlorophenol
Concen: 41.373 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:196 Resp: 645125

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	37.9	30.3	45.5
132	21.6	17.3	25.9



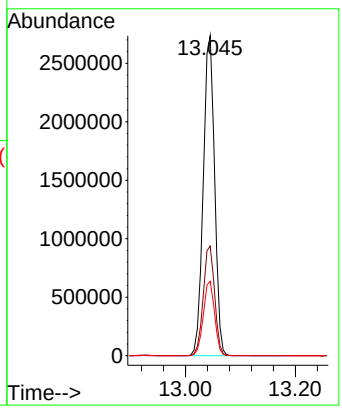


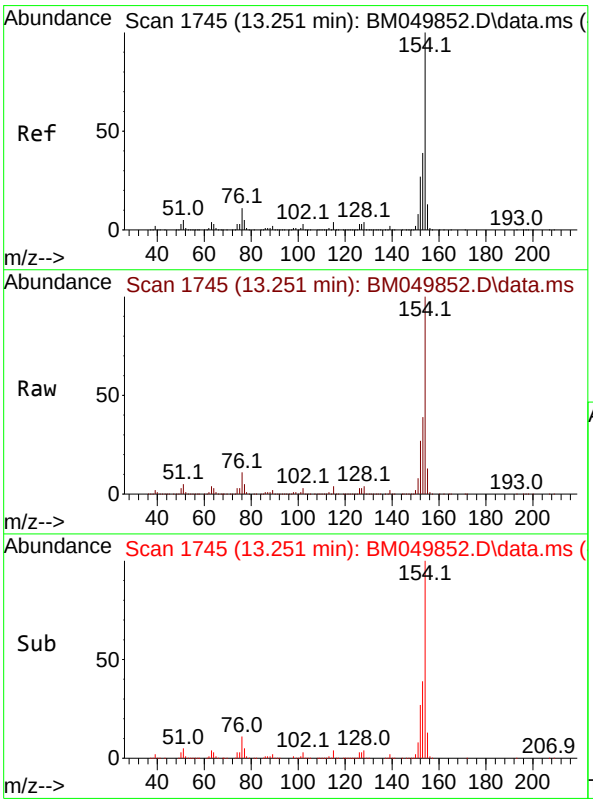
#45
2-Fluorobiphenyl
Concen: 82.162 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3905323

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.3	18.6	28.0

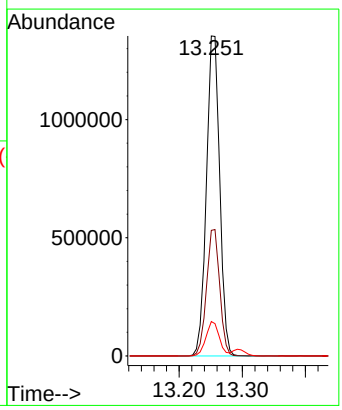


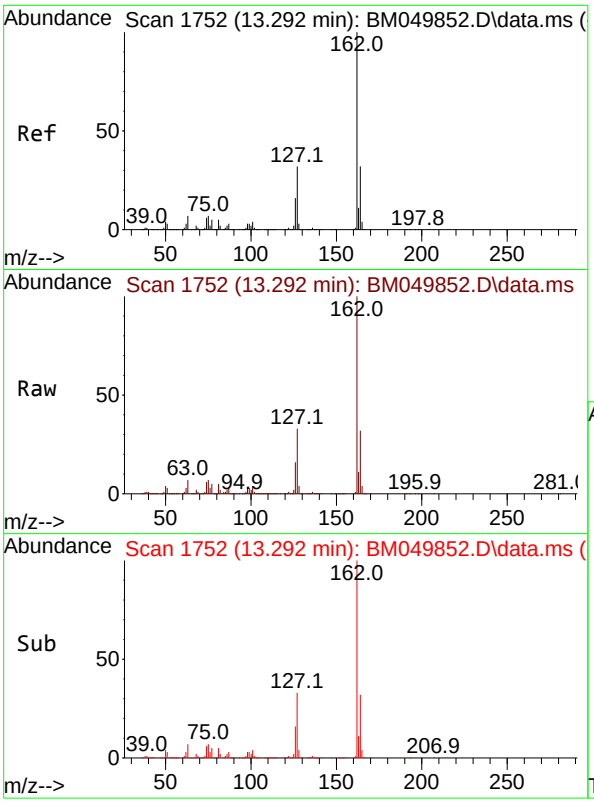


#46
1,1'-Biphenyl
Concen: 41.114 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1969872

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	10.7	0.0	30.7



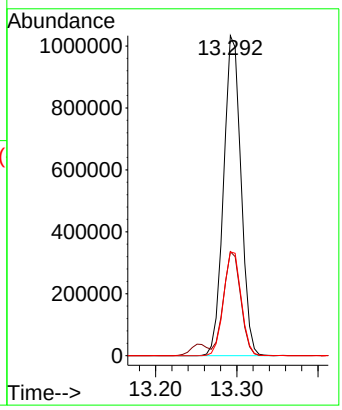


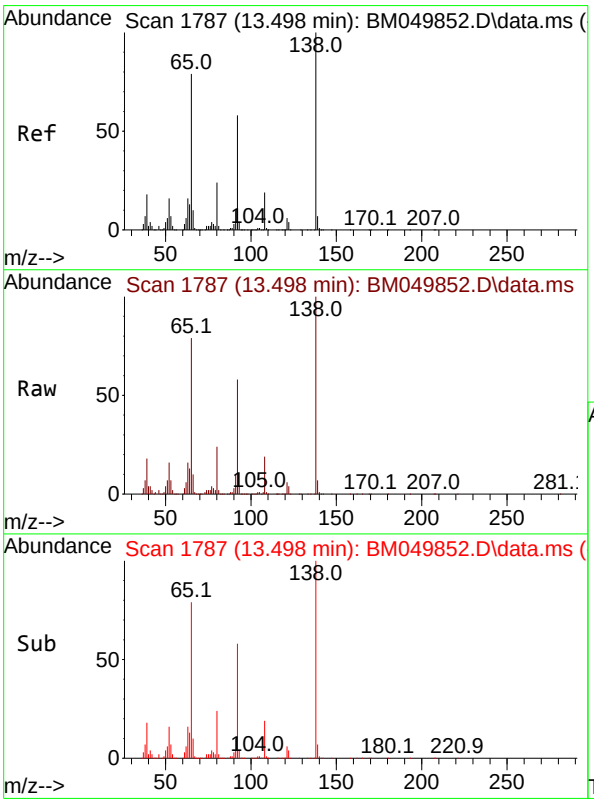
#47
2-Chloronaphthalene
Concen: 40.860 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1538747

Ion	Ratio	Lower	Upper
162	100		
127	32.5	26.0	39.0
164	32.4	25.9	38.9

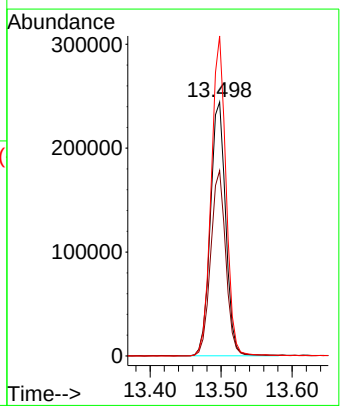


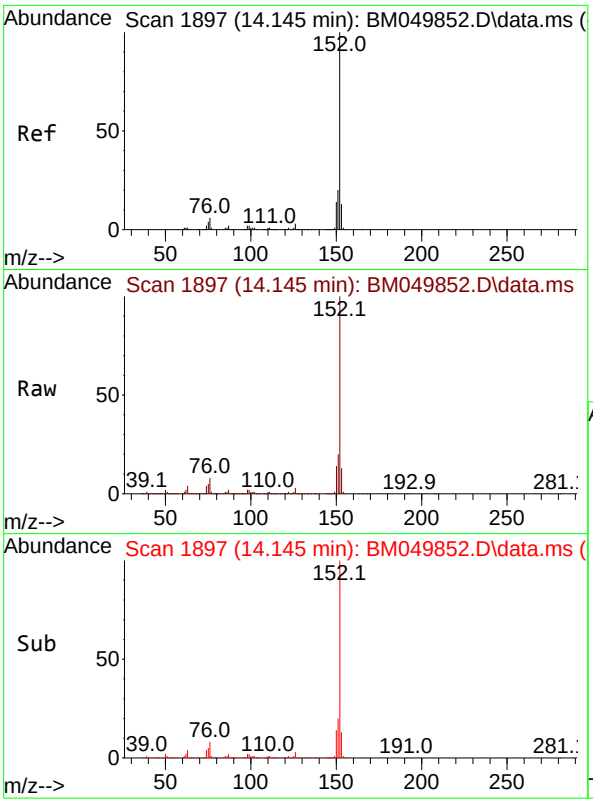


#48
2-Nitroaniline
Concen: 41.941 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 65 Resp: 365393

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	126.0	100.8	151.2



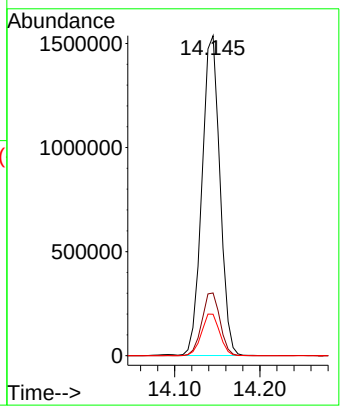


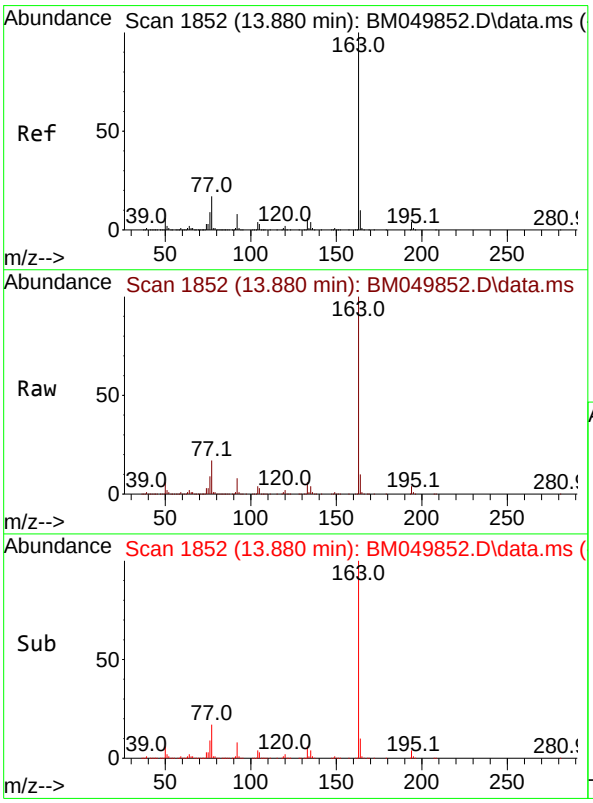
#49
Acenaphthylene
Concen: 40.937 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2245605

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6

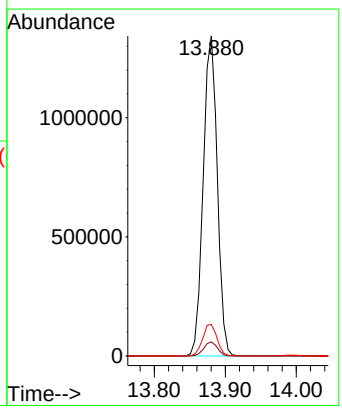


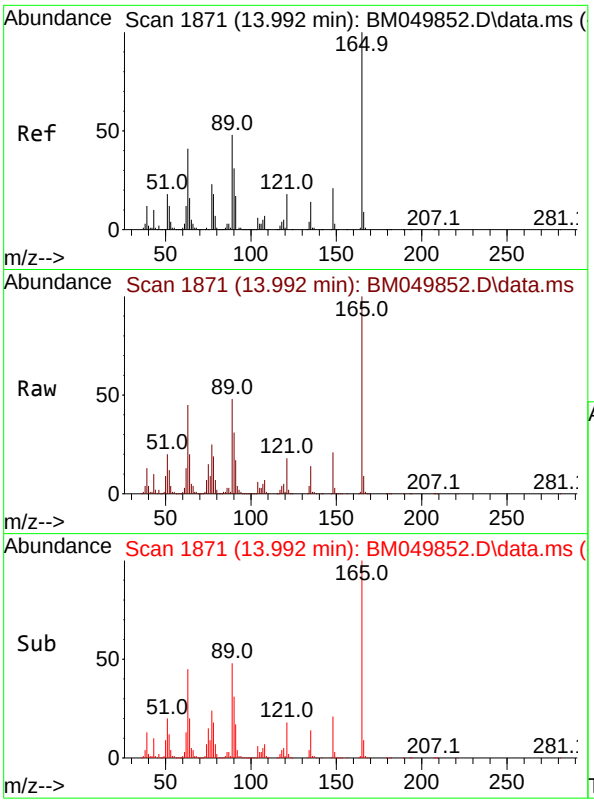


#50
Dimethylphthalate
Concen: 40.771 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:163 Resp: 1853920

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.9	7.9	11.9



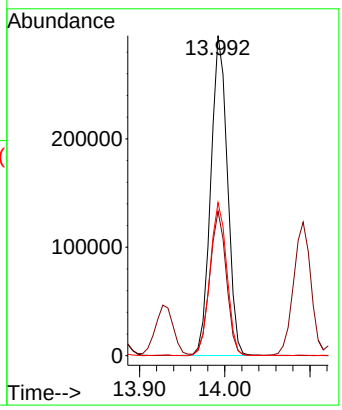


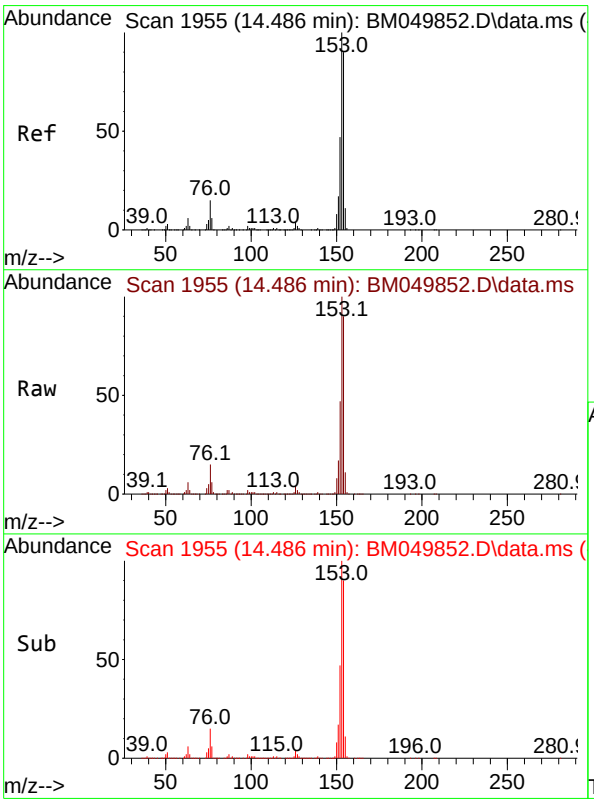
#51
2,6-Dinitrotoluene
Concen: 41.998 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 400110

Ion	Ratio	Lower	Upper
165	100		
63	45.1	36.1	54.1
89	47.9	38.3	57.5

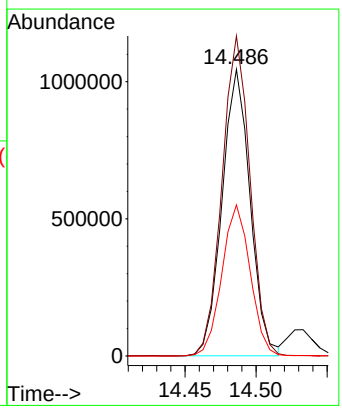


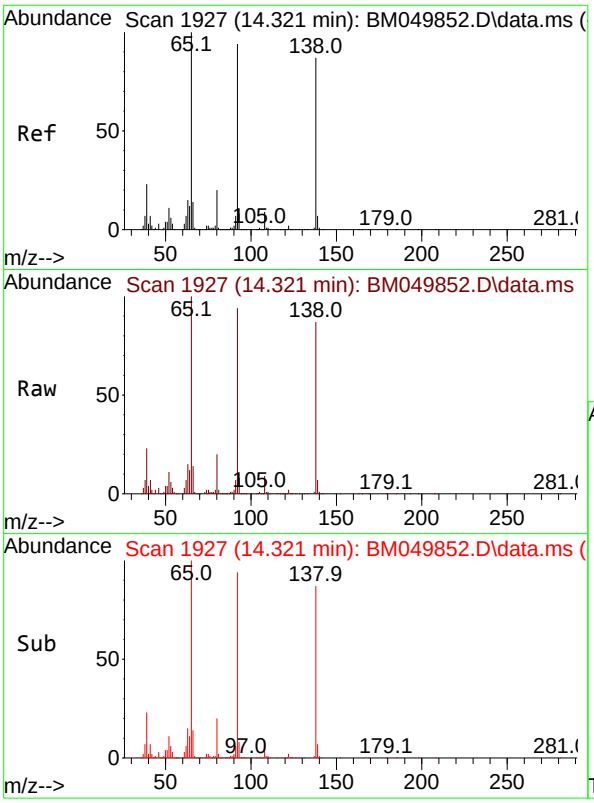


#52
Acenaphthene
Concen: 41.123 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1434901

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2



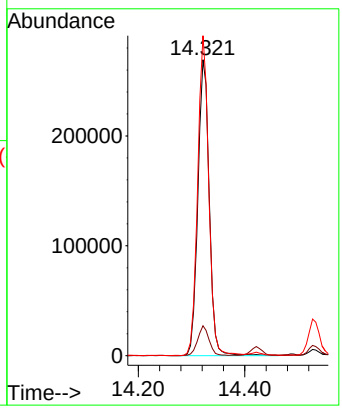


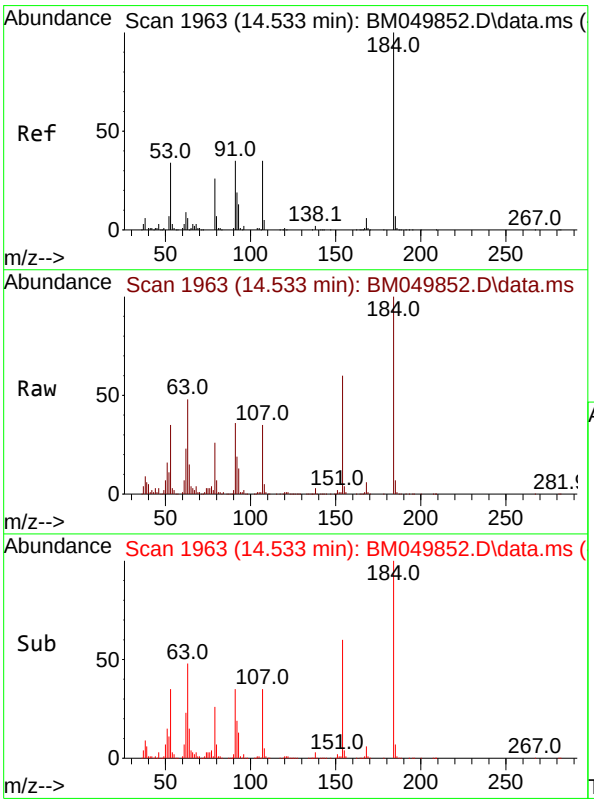
#53
3-Nitroaniline
Concen: 43.352 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 399172

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	108.1	86.5	129.7

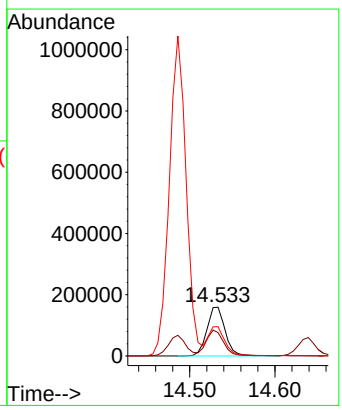


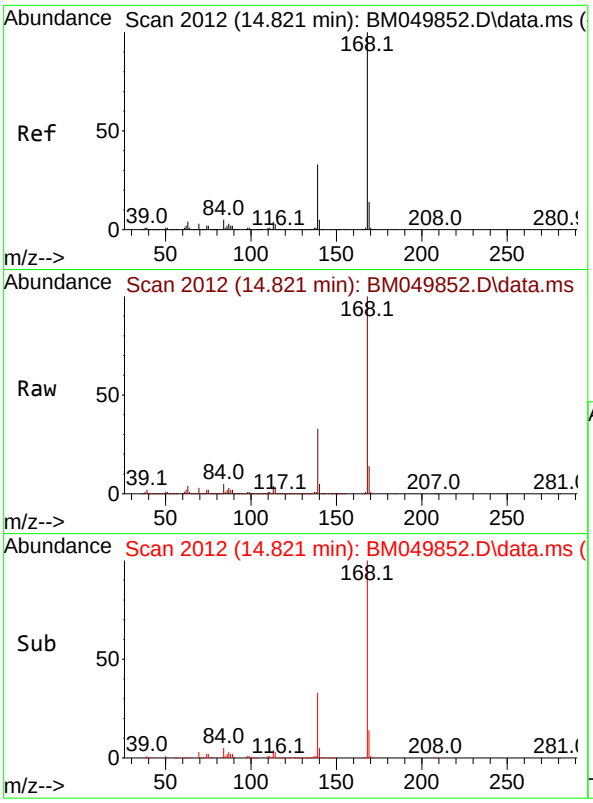


#54
2,4-Dinitrophenol
Concen: 38.463 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:184 Resp: 236910

Ion	Ratio	Lower	Upper
184	100		
63	48.0	38.4	57.6
154	60.1	48.1	72.1



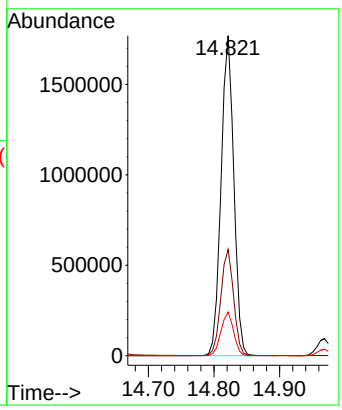


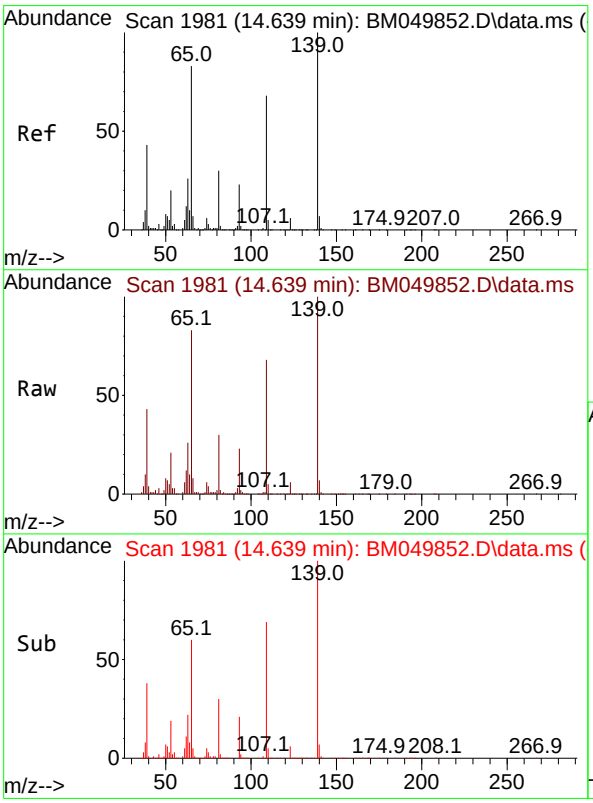
#55
Dibenzofuran
Concen: 40.784 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2378962

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.7	11.0	16.4

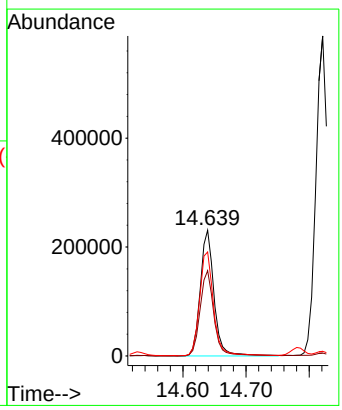


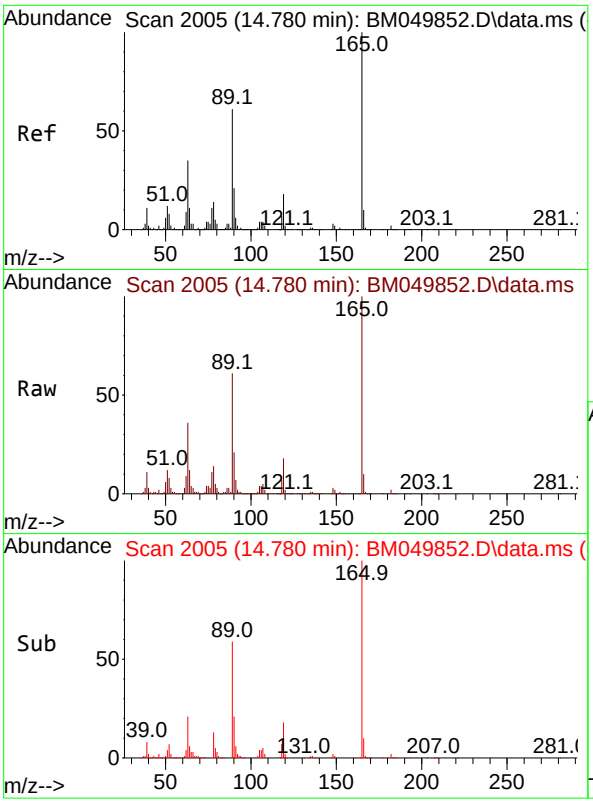


#56
4-Nitrophenol
Concen: 42.490 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 348645

Ion	Ratio	Lower	Upper
139	100		
109	67.9	47.9	87.9
65	82.7	62.7	102.7



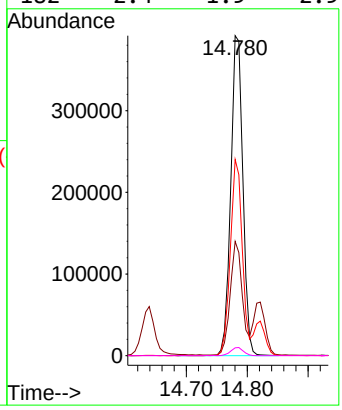


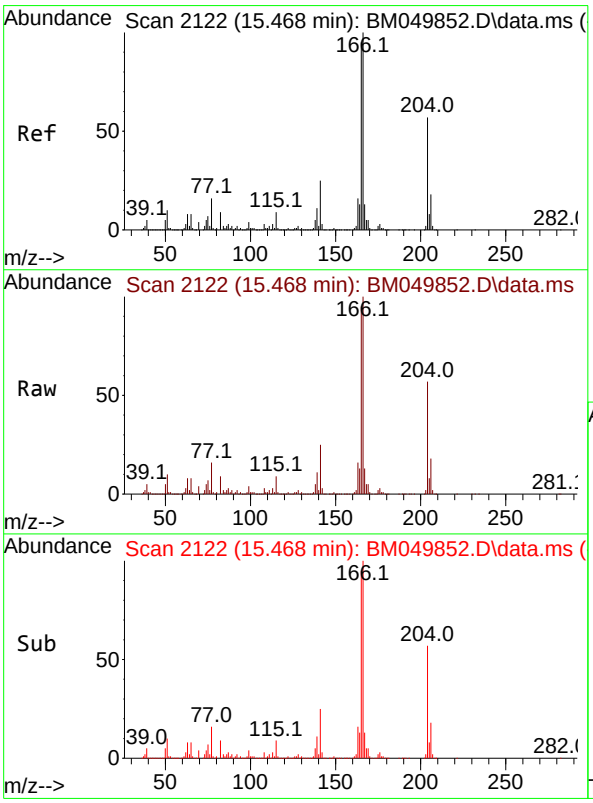
#57
2,4-Dinitrotoluene
Concen: 42.662 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 542212

Ion	Ratio	Lower	Upper
165	100		
63	35.7	28.6	42.8
89	61.3	49.0	73.6
182	2.4	1.9	2.9

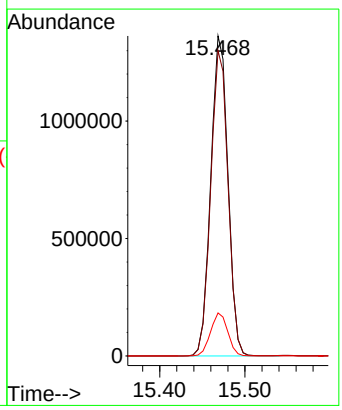


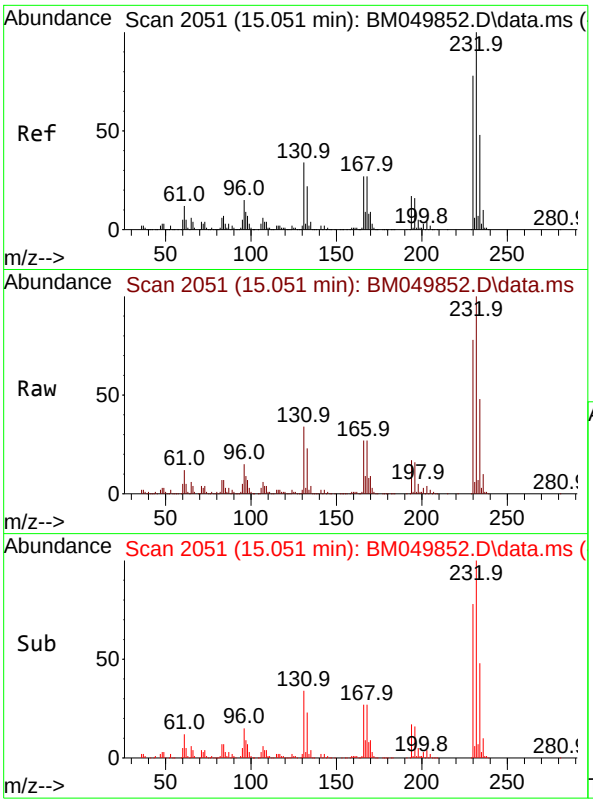


#58
Fluorene
Concen: 41.170 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:166 Resp: 1908871

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.3	114.5
167	13.4	10.7	16.1



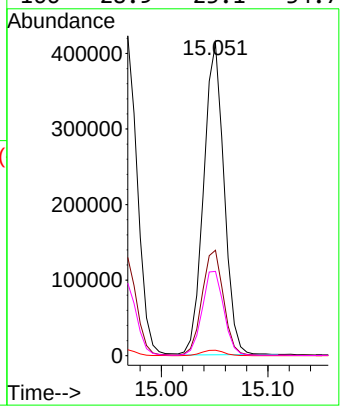


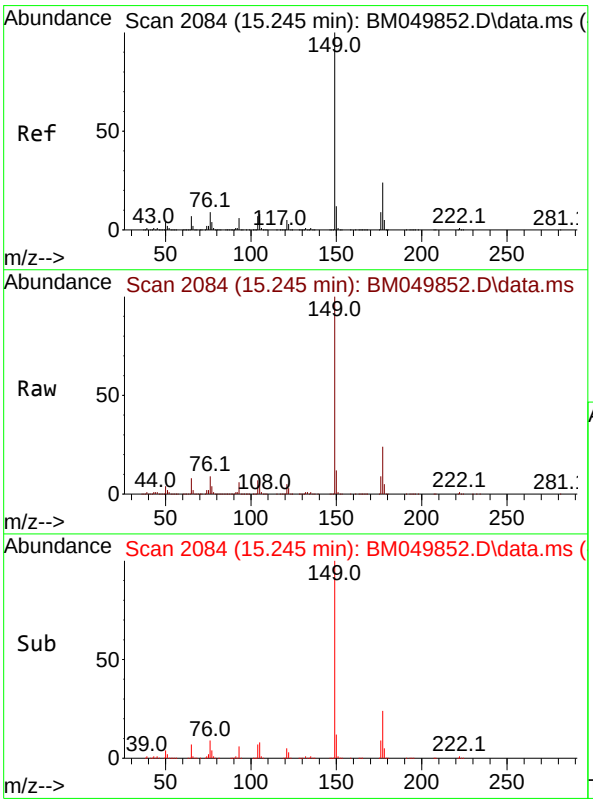
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.287 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 550595

Ion	Ratio	Lower	Upper
232	100		
131	35.5	28.4	42.6
130	2.0	1.6	2.4
166	28.9	23.1	34.7

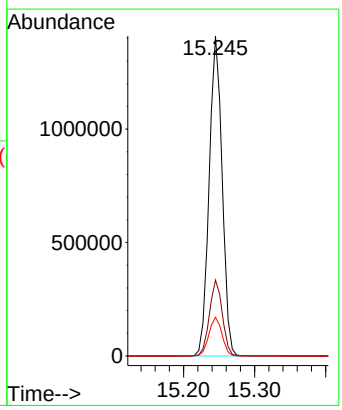


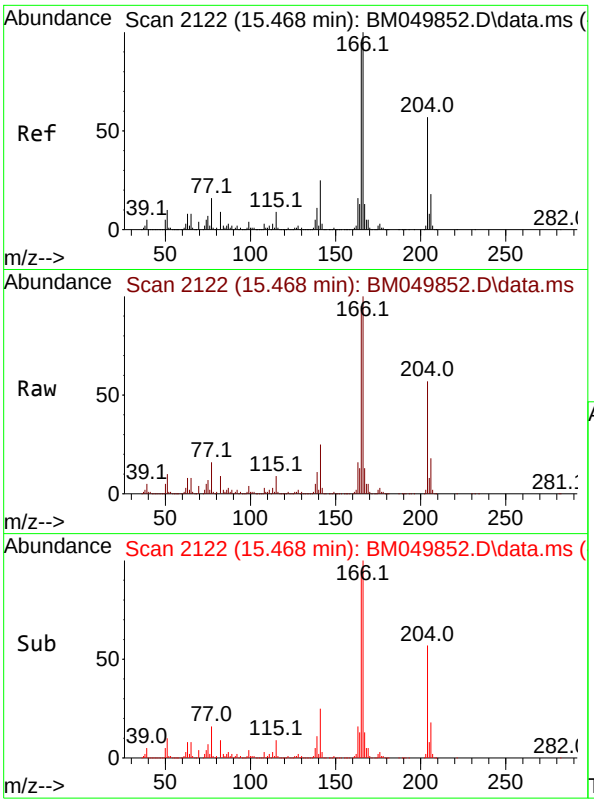


#60
Diethylphthalate
Concen: 41.085 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1791575

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.1	9.7	14.5



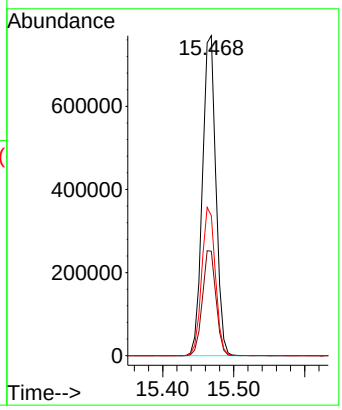


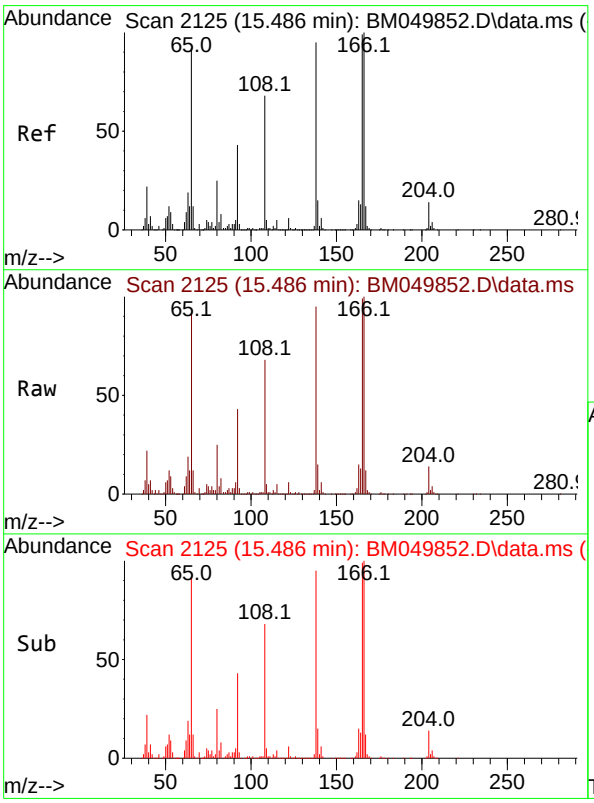
#61
4-Chlorophenyl-phenylether
Concen: 40.907 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1016885

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	43.8	35.0	52.6

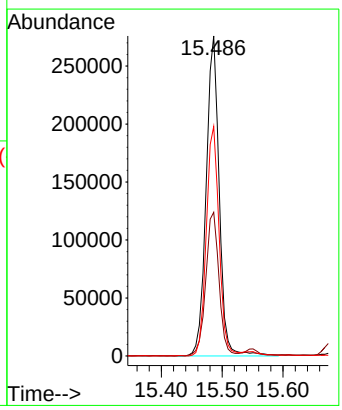


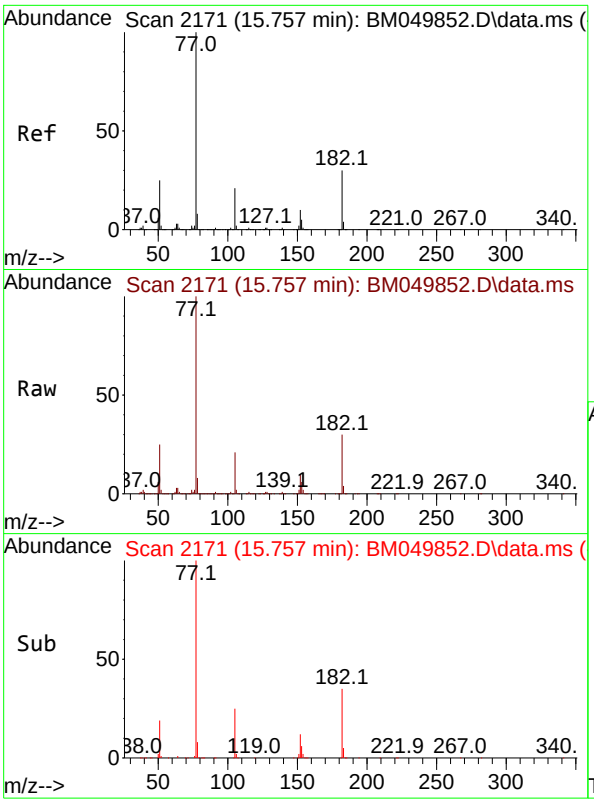


#62
4-Nitroaniline
Concen: 43.263 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:138 Resp: 411956

Ion	Ratio	Lower	Upper
138	100		
92	44.9	24.9	64.9
108	71.7	51.7	91.7



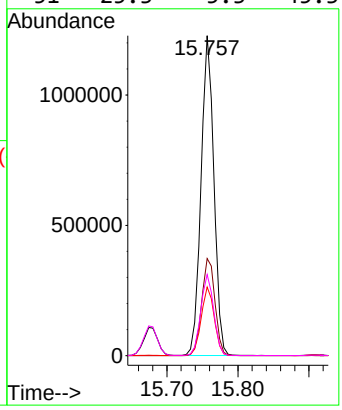


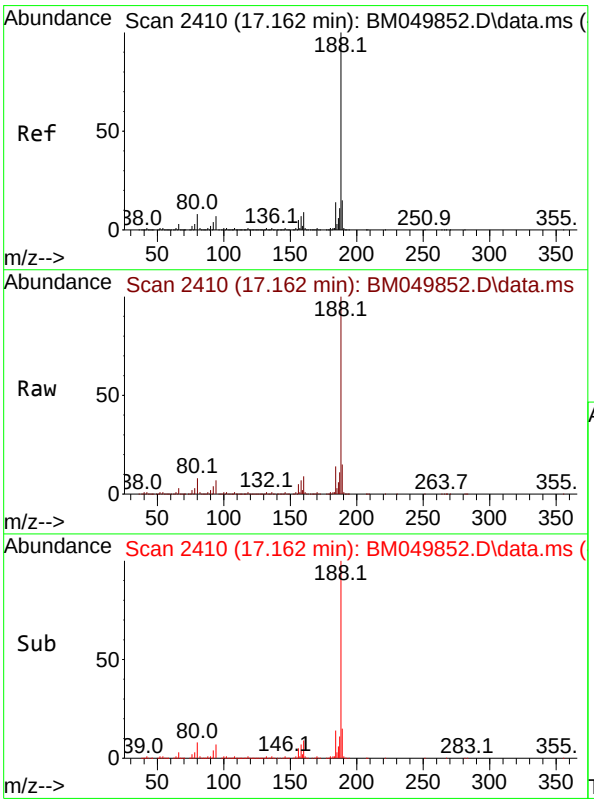
#63
Azobenzene
Concen: 41.517 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1549968

Ion	Ratio	Lower	Upper
77	100		
182	30.4	10.4	50.4
105	21.5	1.5	41.5
51	25.3	5.3	45.3

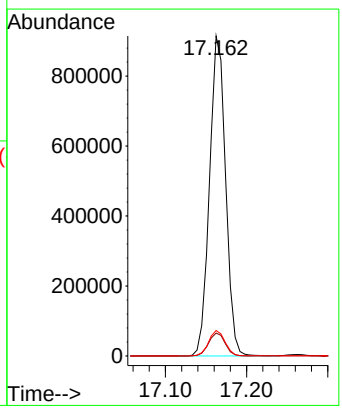


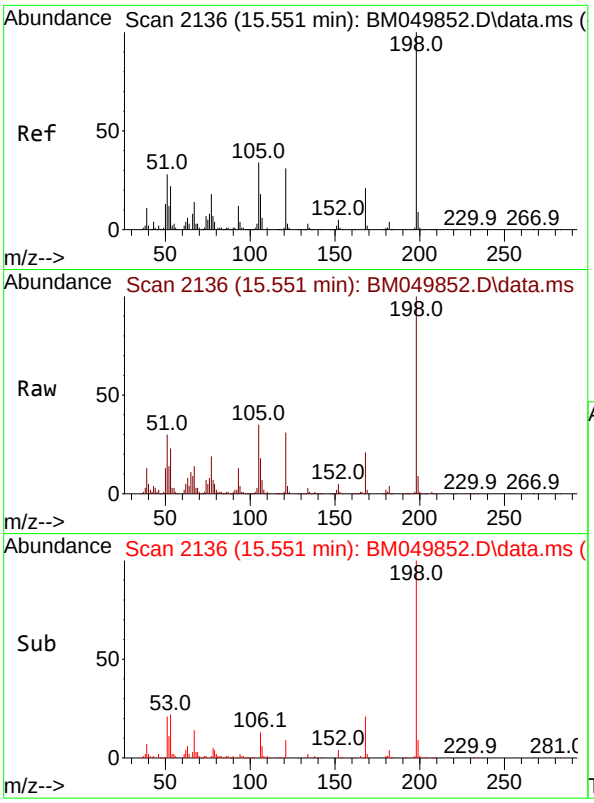


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:188 Resp: 1259832

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6



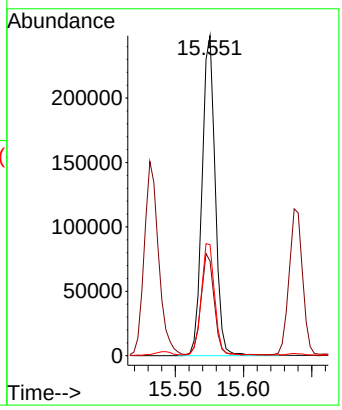


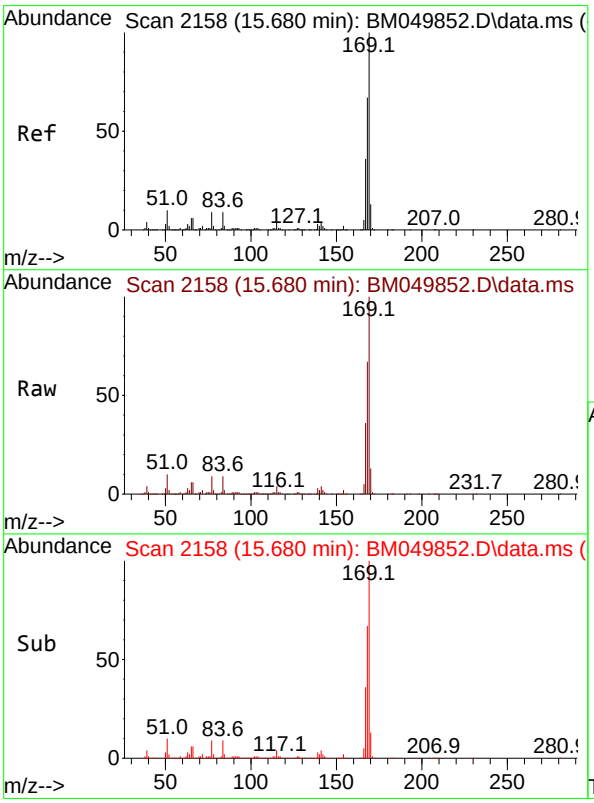
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 332394

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.7	14.7	54.7

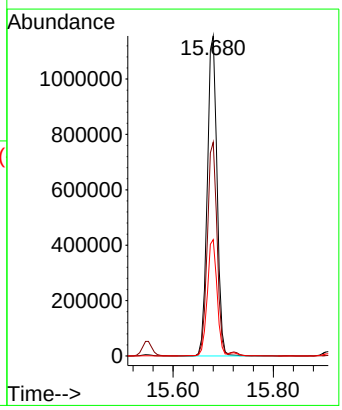


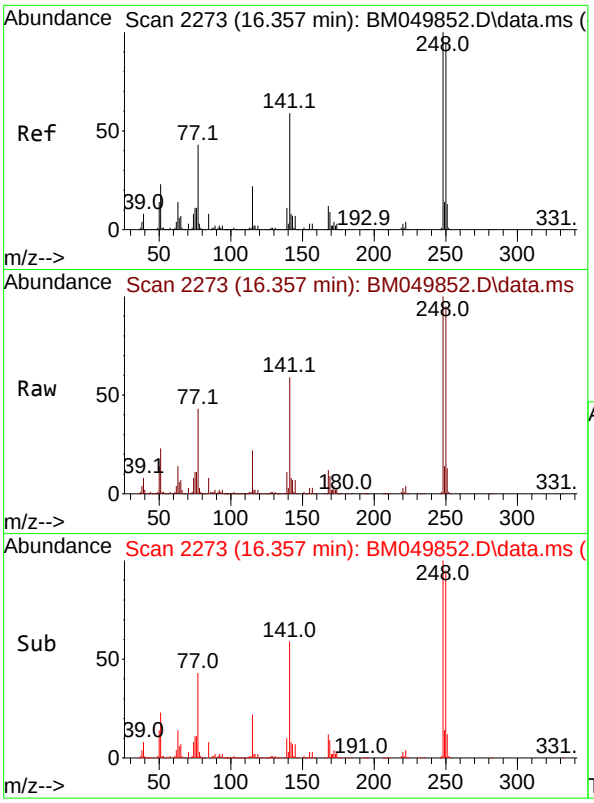


#66
n-Nitrosodiphenylamine
Concen: 41.387 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:169 Resp: 1560374

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.3	29.0	43.6



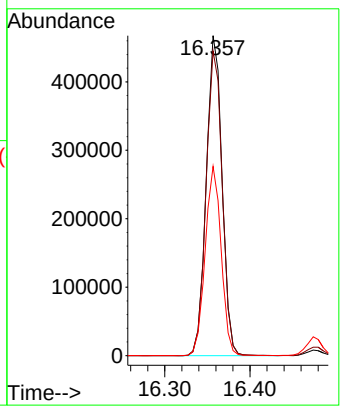


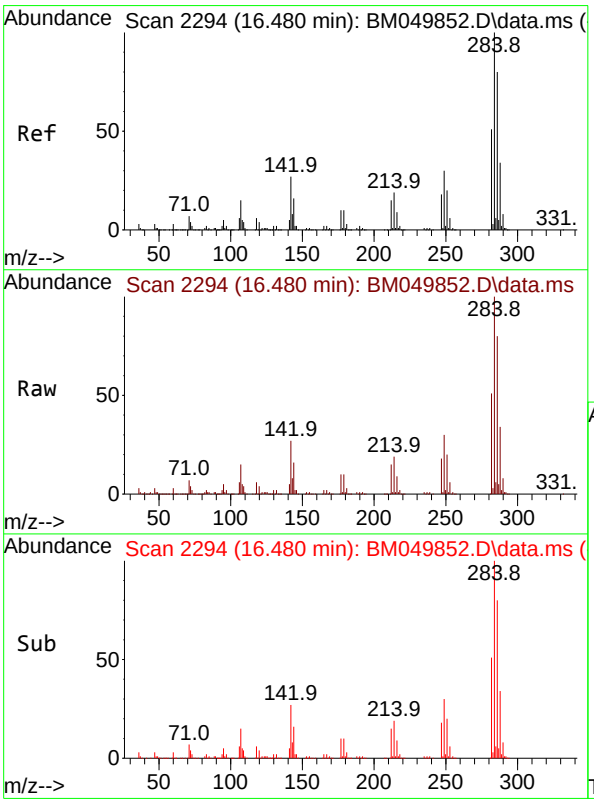
#67
4-Bromophenyl-phenylether
Concen: 41.113 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 601282

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	59.1	47.3	70.9

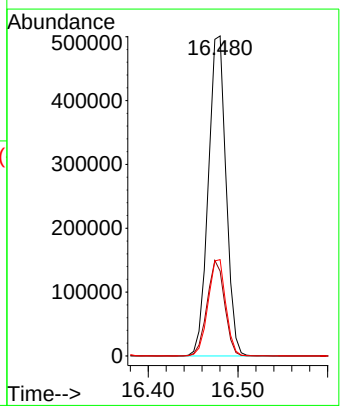


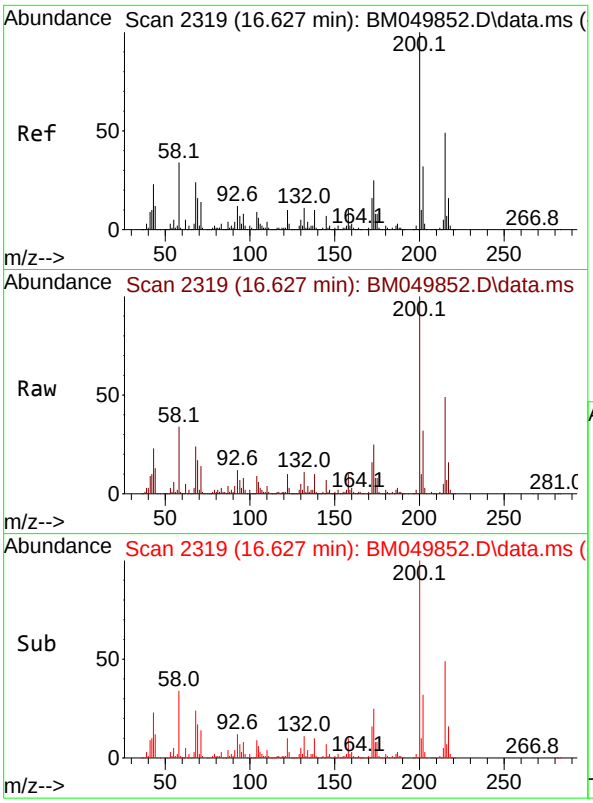


#68
Hexachlorobenzene
Concen: 40.933 ng
RT: 16.480 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:284 Resp: 686665

Ion	Ratio	Lower	Upper
284	100		
142	26.5	21.2	31.8
249	30.1	24.1	36.1



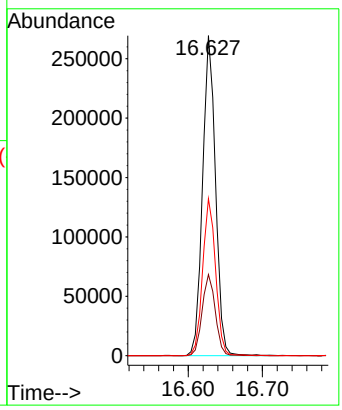


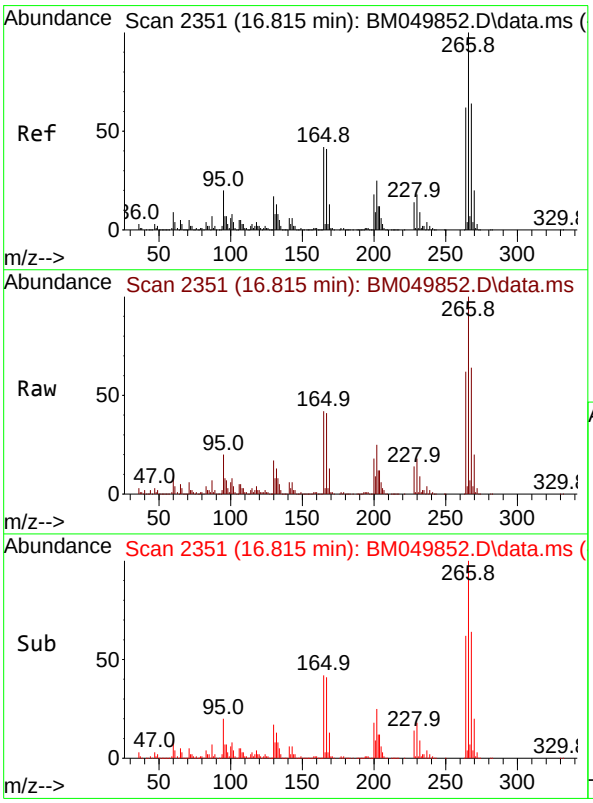
#69
Atrazine
Concen: 33.411 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 326609

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.0	29.0	69.0

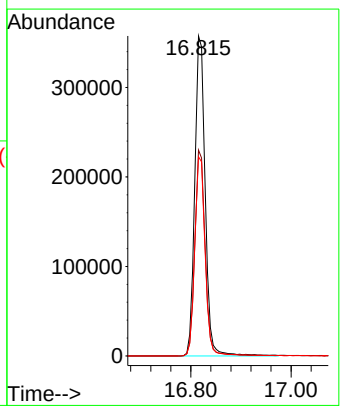


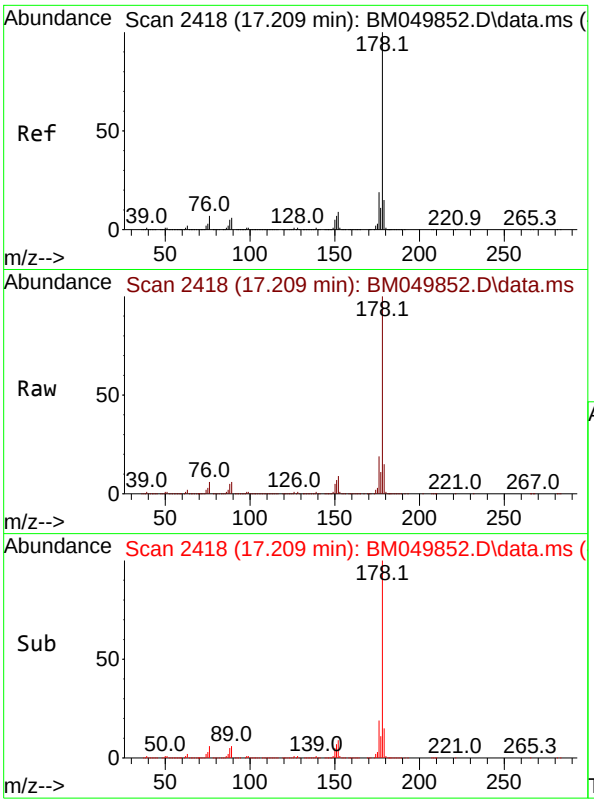


#70
Pentachlorophenol
Concen: 41.678 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:266 Resp: 514744

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.4	77.2
264	62.3	49.8	74.8



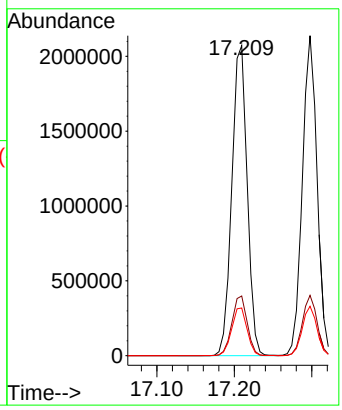


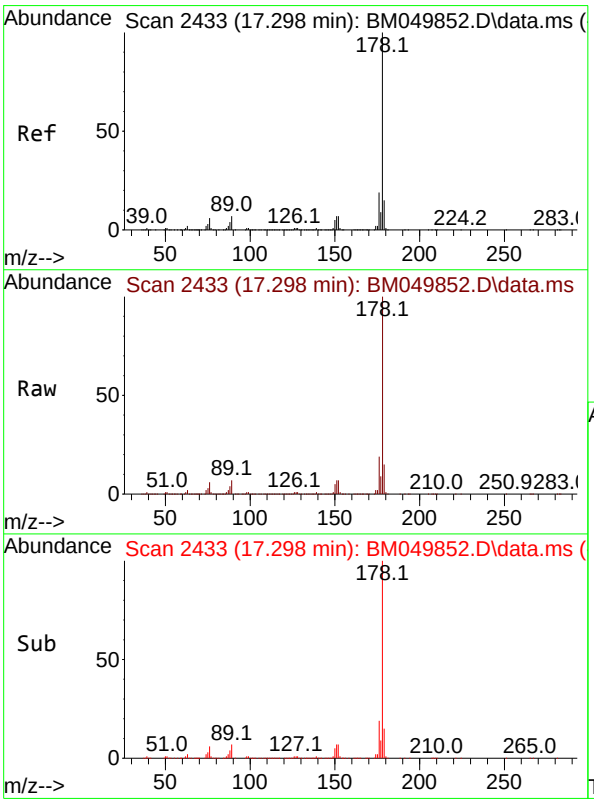
#71
Phenanthrene
Concen: 41.324 ng
RT: 17.209 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2854182

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5

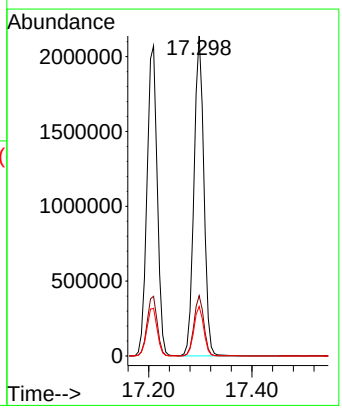


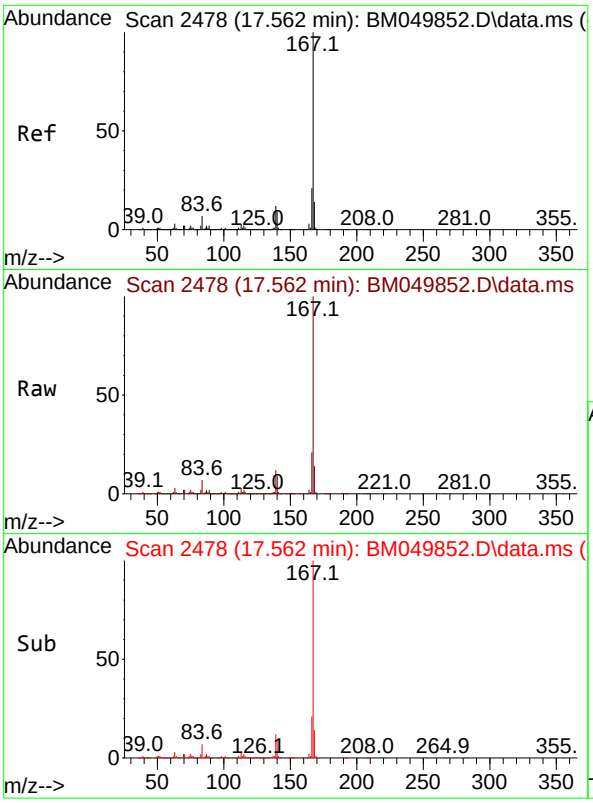


#72
Anthracene
Concen: 41.631 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:178 Resp: 2833652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



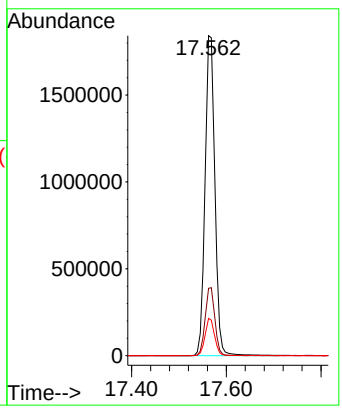


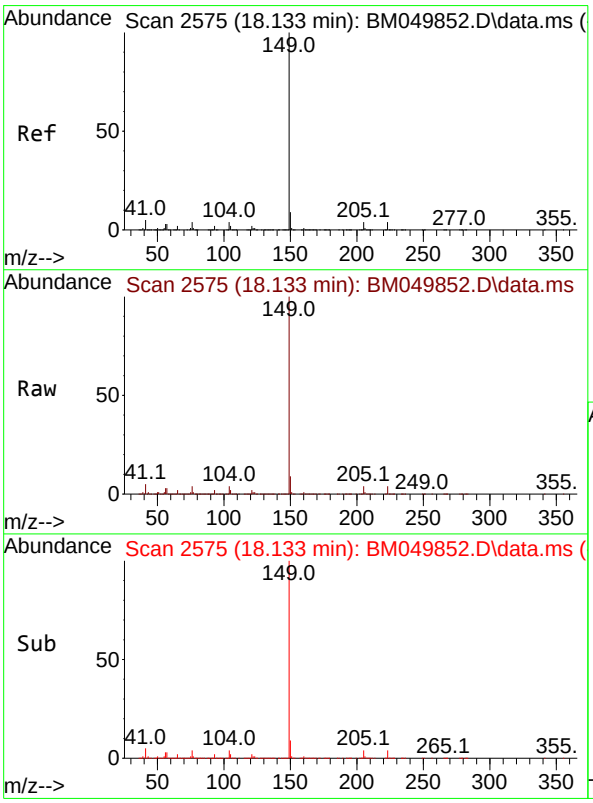
#73
Carbazole
Concen: 41.609 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2667570

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.6	9.3	13.9

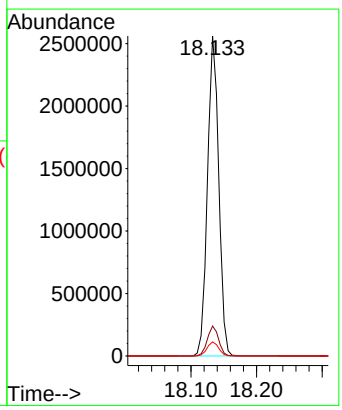


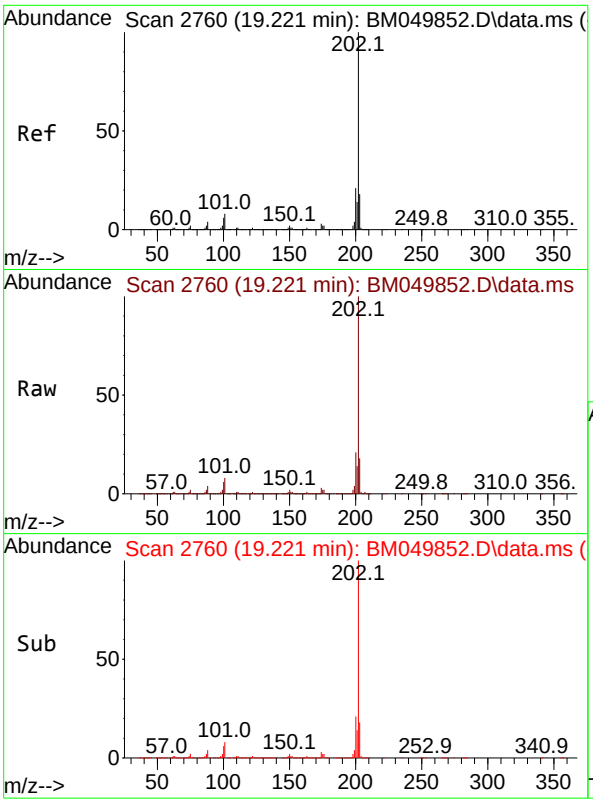


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 3062695

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.5	5.3



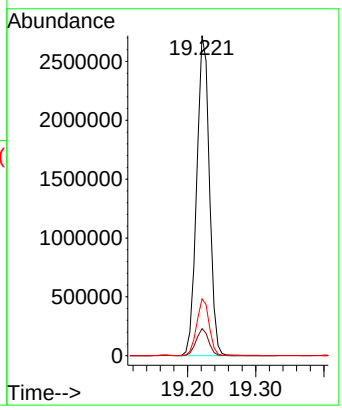


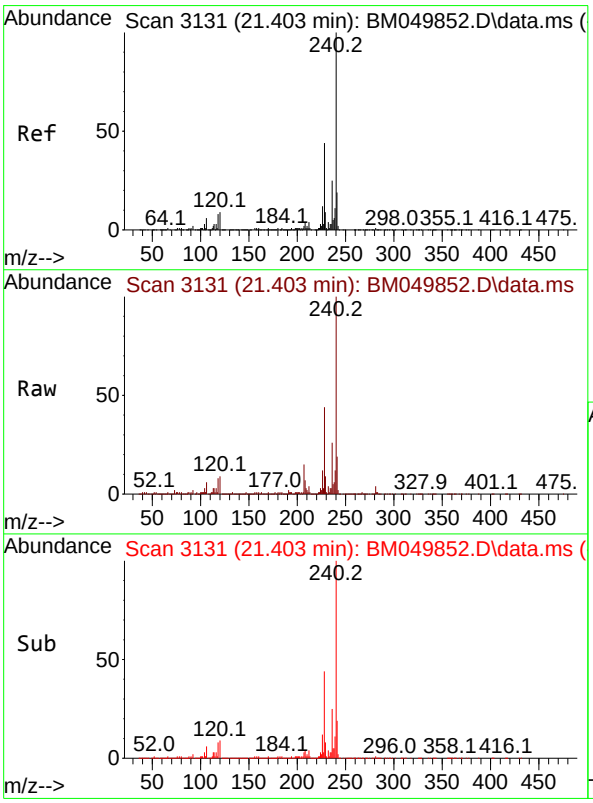
#75
Fluoranthene
Concen: 41.165 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3495877

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.8	0.0	37.8

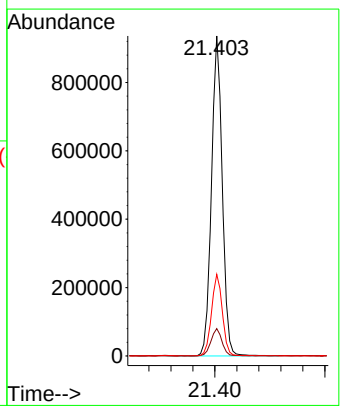


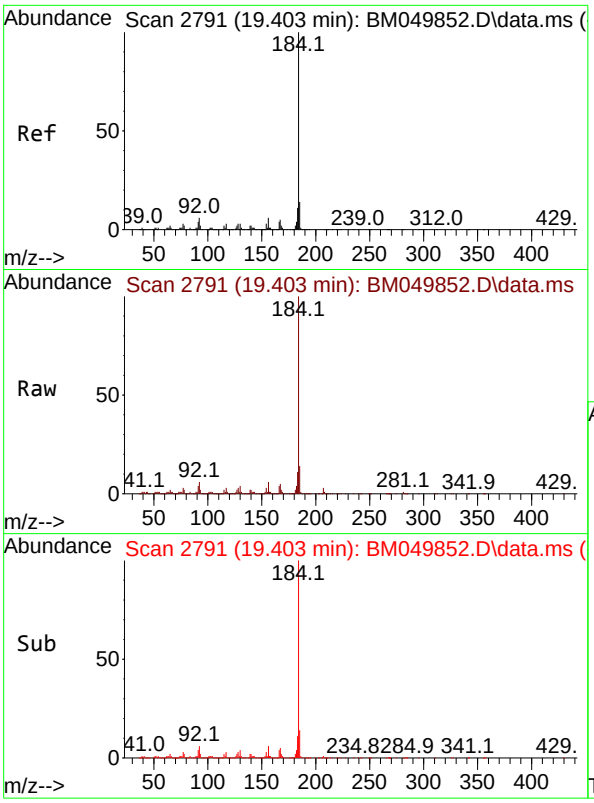


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:240 Resp: 1277117

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.5	20.4	30.6



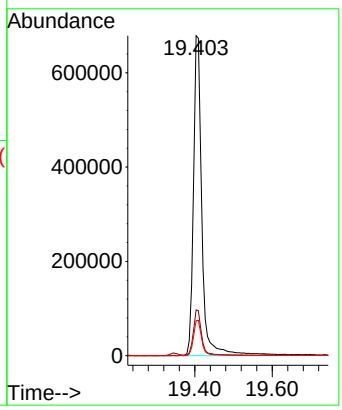


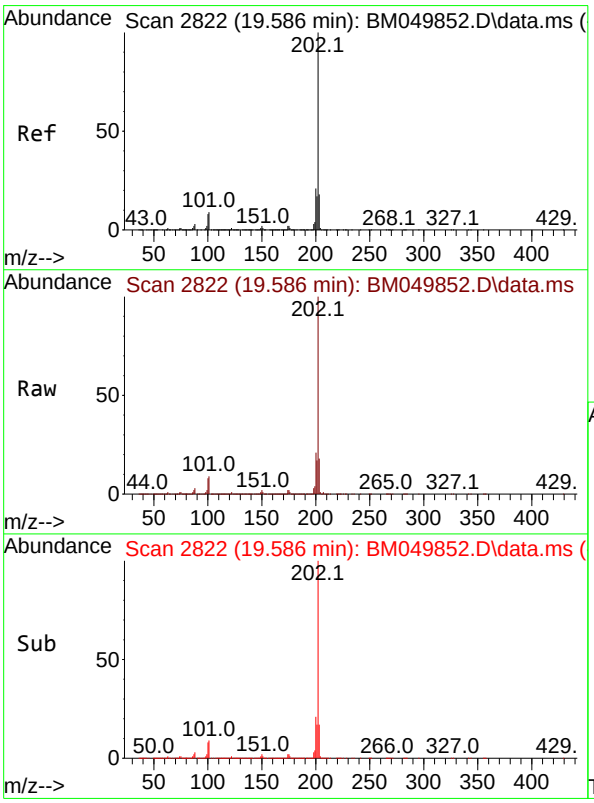
#77
Benzidine
Concen: 60.691 ng
RT: 19.403 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1028267

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.0	8.8	13.2

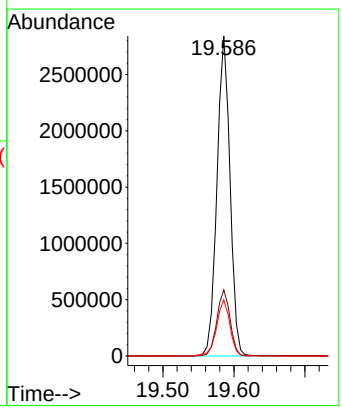


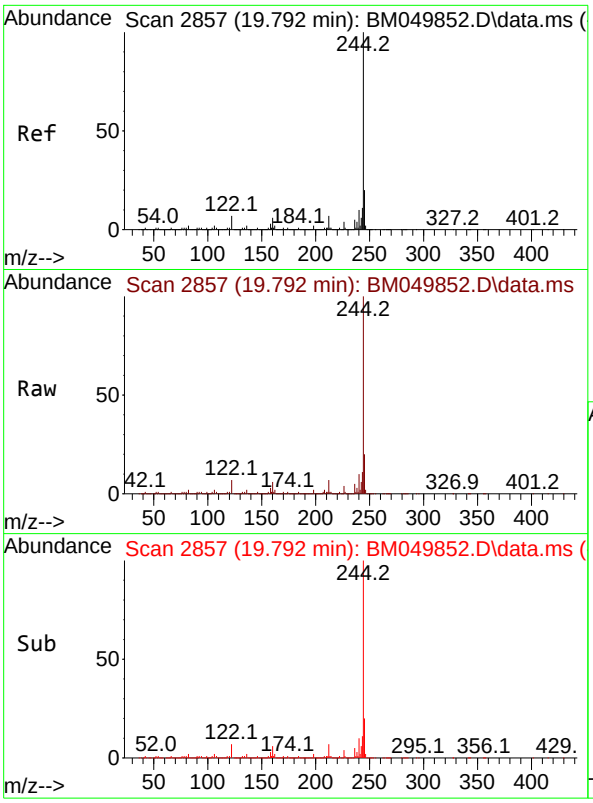


#78
Pyrene
Concen: 40.863 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:202 Resp: 3596605

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.5	14.0	21.0



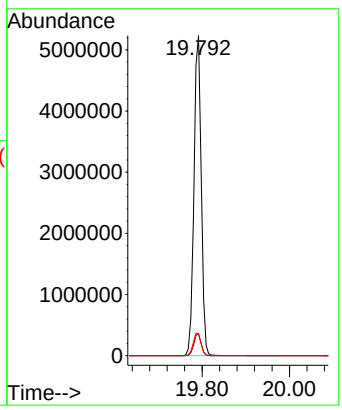


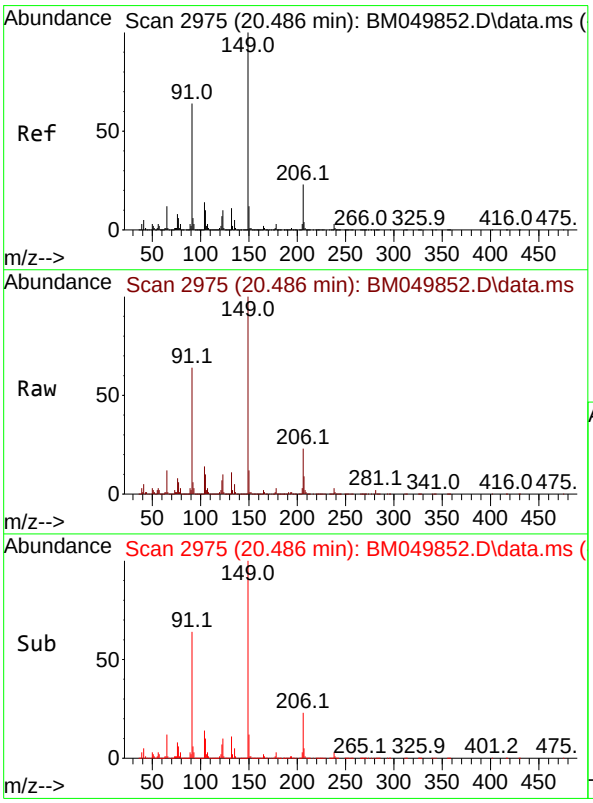
#79
Terphenyl-d14
Concen: 88.947 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6061535

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.7	5.4	8.0

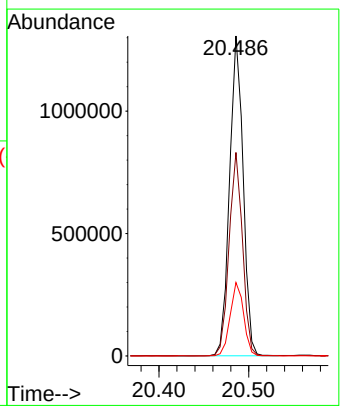


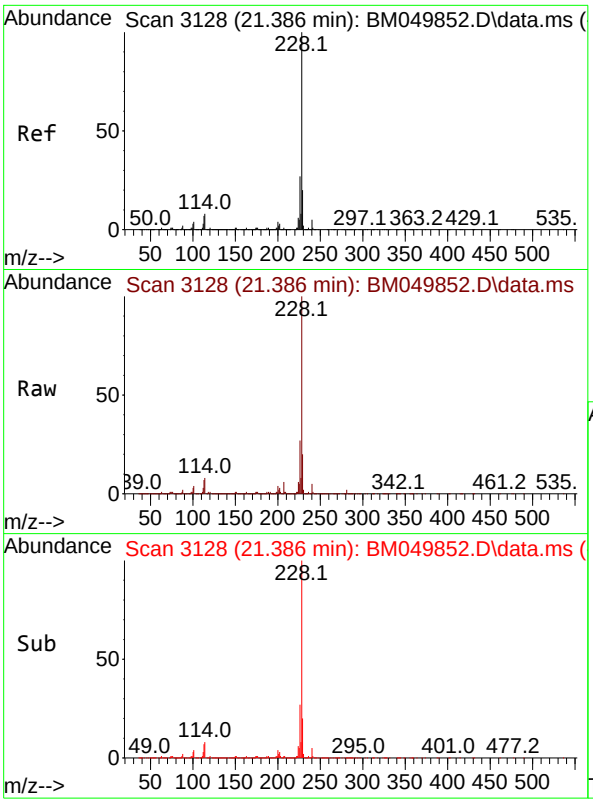


#80
Butylbenzylphthalate
Concen: 41.392 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1368958

Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.9	76.3
206	23.0	18.4	27.6



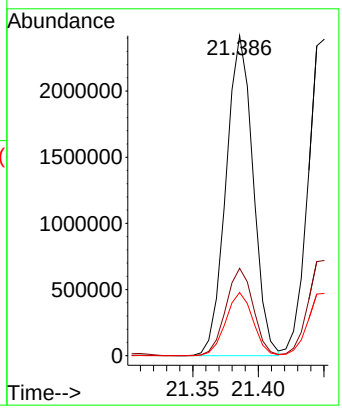


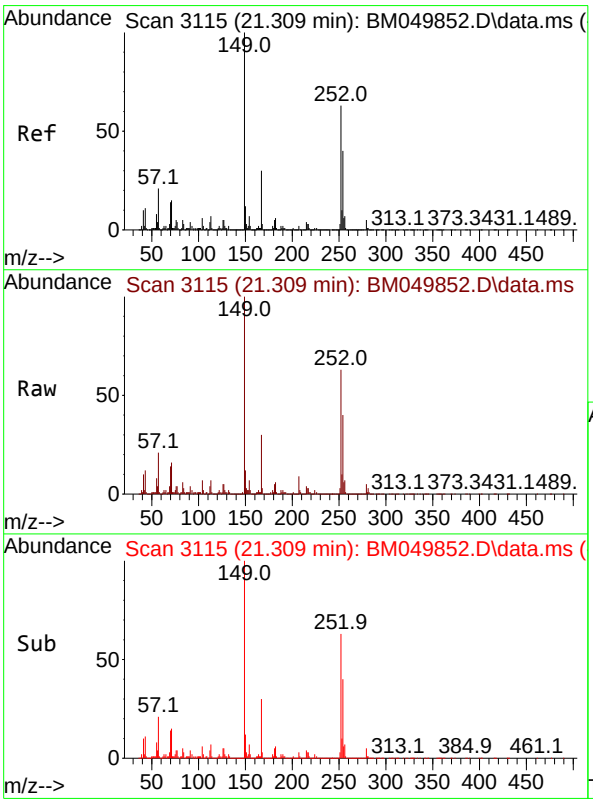
#81
Benzo(a)anthracene
Concen: 40.979 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3478165

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.8	15.8	23.8

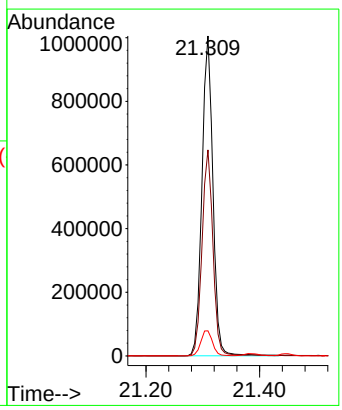


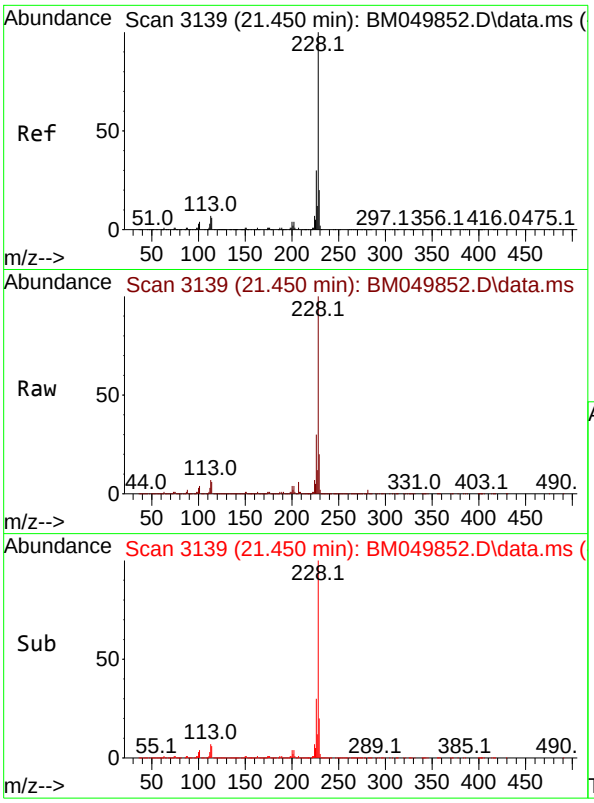


#82
3,3'-Dichlorobenzidine
Concen: 41.880 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 1342391

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	7.9	6.3	9.5



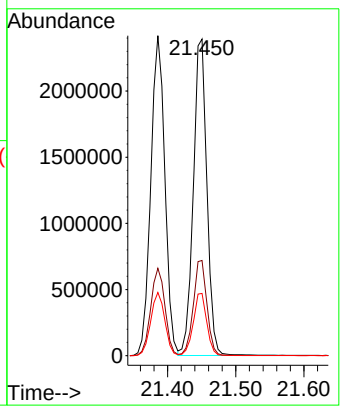


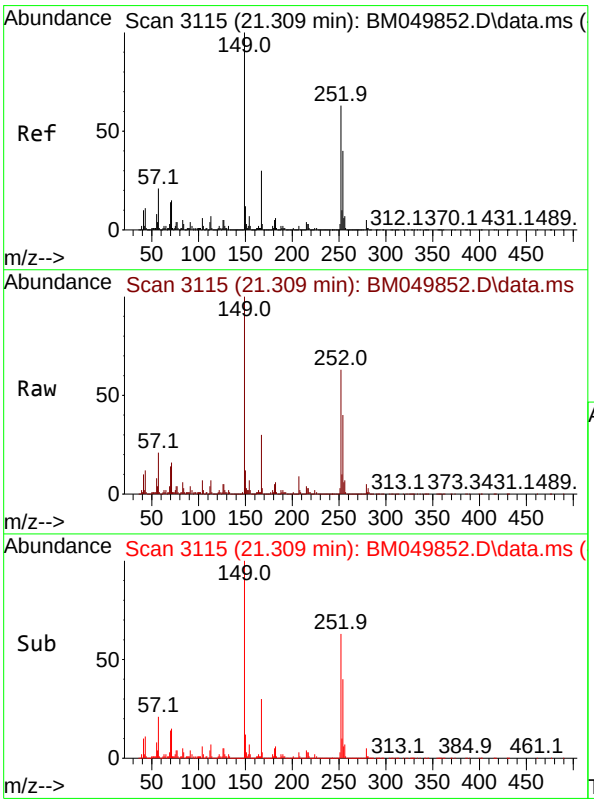
#83
Chrysene
Concen: 40.890 ng
RT: 21.450 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3299571

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.8	23.6

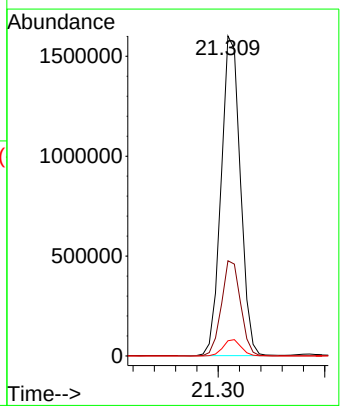


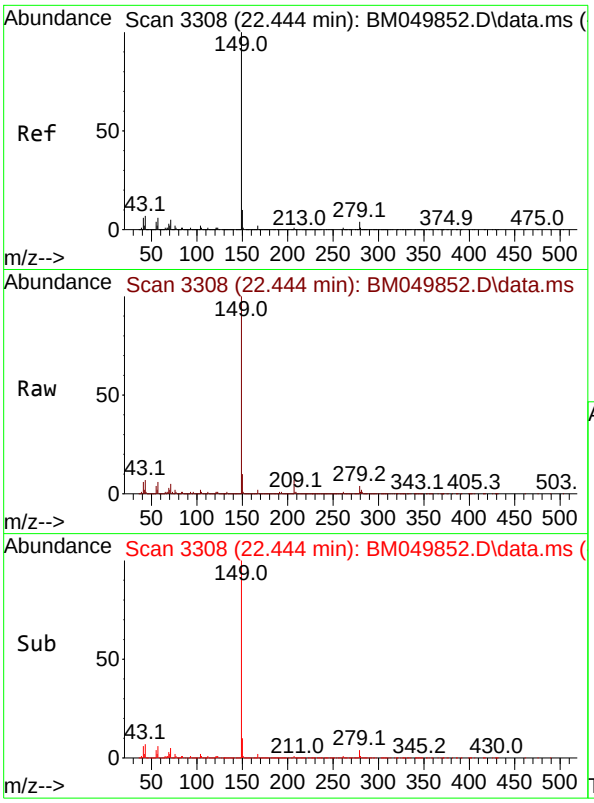


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.512 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 2000260

Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8



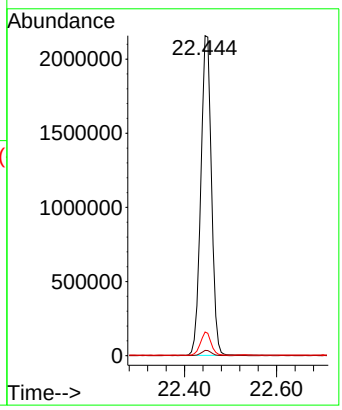


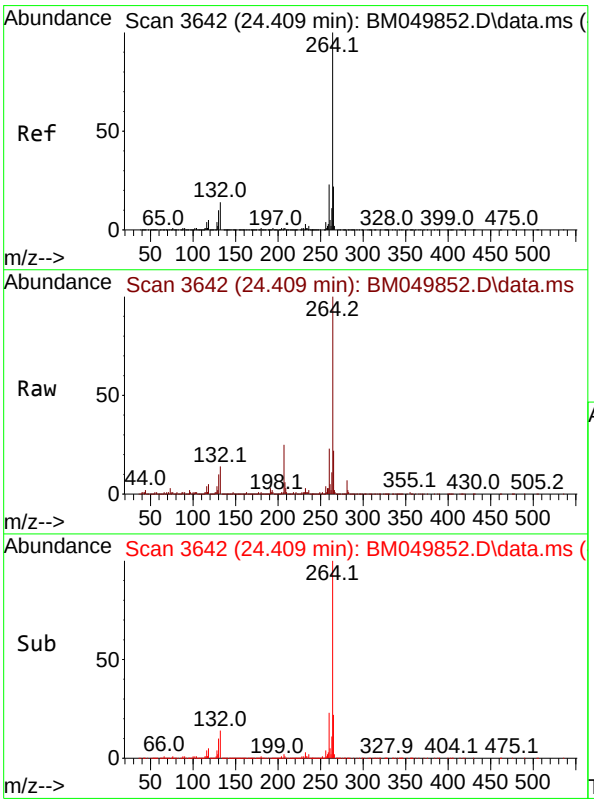
#85
Di-n-octyl phthalate
Concen: 41.276 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3479444

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

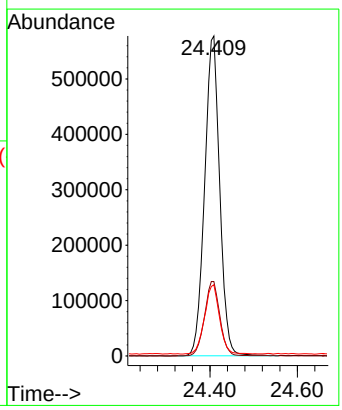


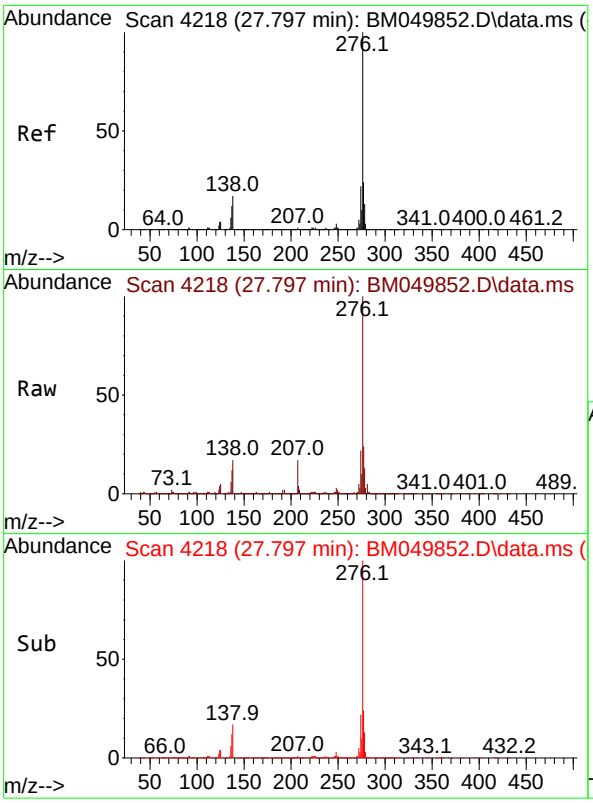


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:264 Resp: 1383369

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.3	17.8	26.8



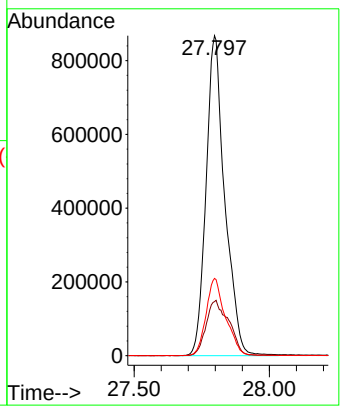


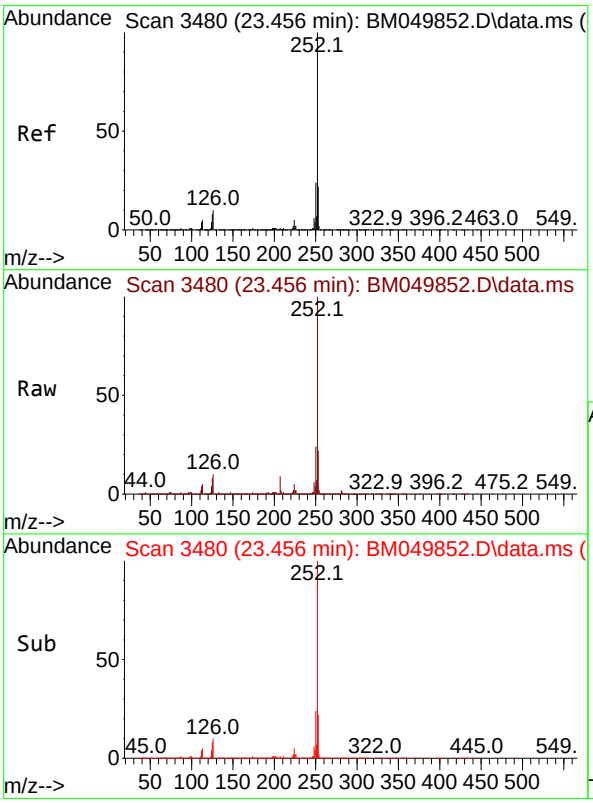
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.421 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4168171

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.8	25.2
277	25.1	20.1	30.1

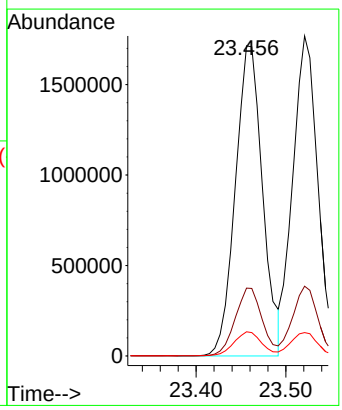


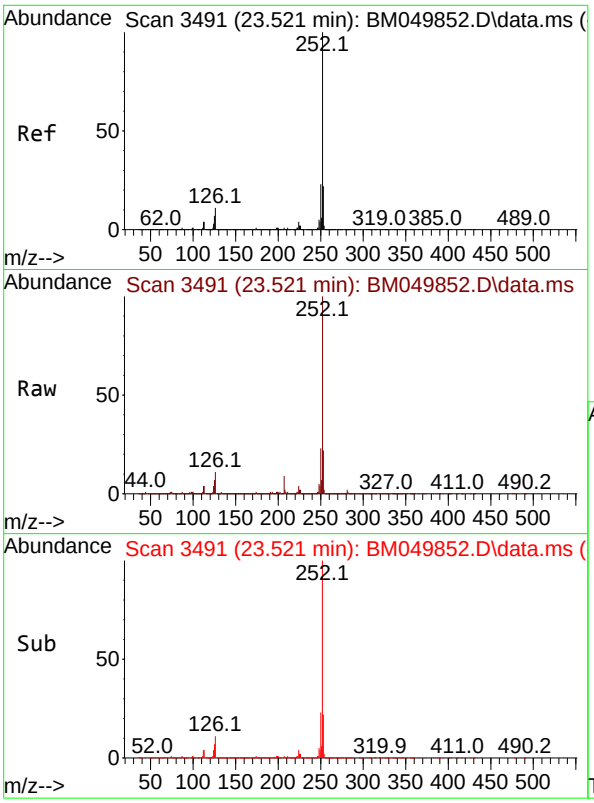


#88
Benzo(b)fluoranthene
Concen: 40.968 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3619584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



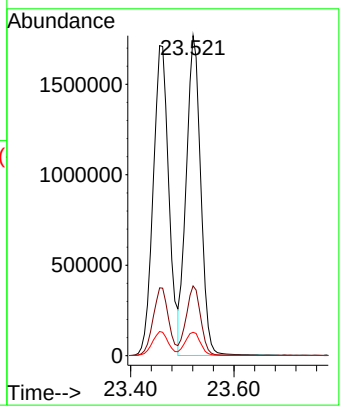


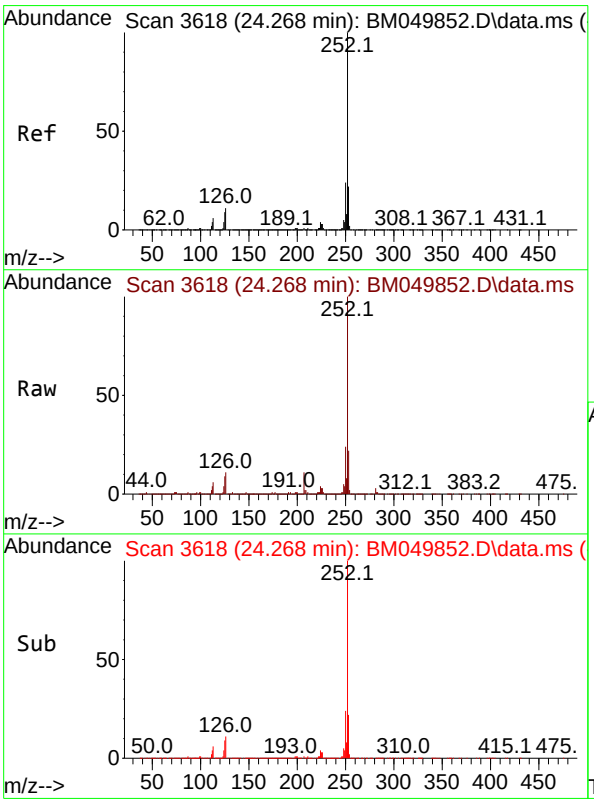
#89
Benzo(k)fluoranthene
Concen: 40.138 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3436549

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

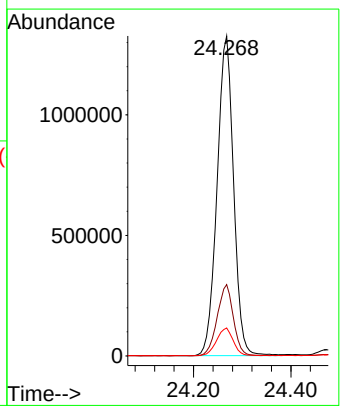


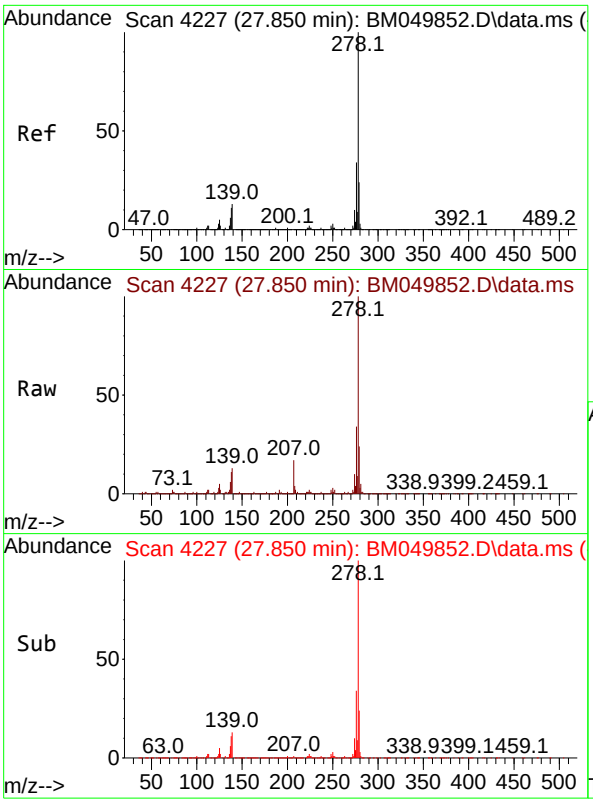


#90
Benzo(a)pyrene
Concen: 40.278 ng
RT: 24.268 min Scan# 3618
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3127065

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.7	7.0	10.4



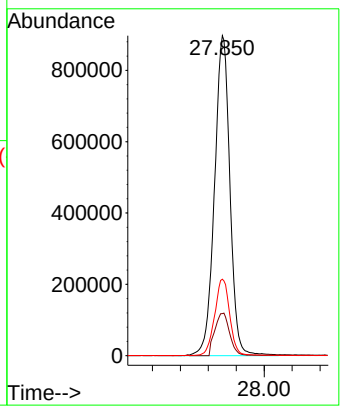


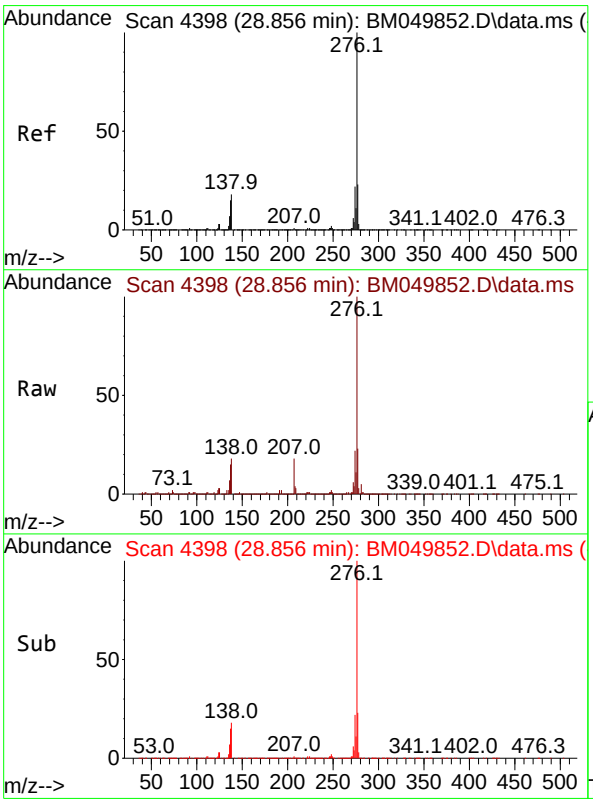
#91
Dibenzo(a,h)anthracene
Concen: 40.519 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3441534

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.9	19.1	28.7

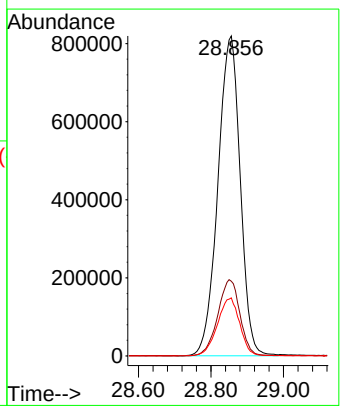




#92
Benzo(g,h,i)perylene
Concen: 40.326 ng
RT: 28.856 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:276 Resp: 3500110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.2	14.6	21.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	389192	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1287434	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	808126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1599813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1661195	20.000	ng		0.00
86) Perylene-d12	24.409	264	1751474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2266168	98.875	ng		0.00
7) Phenol-d6	6.951	99	2789069	97.806	ng		0.00
23) Nitrobenzene-d5	8.939	82	2323989	100.519	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1205724	102.576	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	6004539	100.754	ng		0.00
79) Terphenyl-d14	19.792	244	9482895	106.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	472538	50.062	ng		99
3) Pyridine	3.663	79	1241357	50.075	ng		99
4) n-Nitrosodimethylamine	3.569	42	470712	49.875	ng		100
6) Aniline	7.104	93	1121872	45.913	ng		99
8) 2-Chlorophenol	7.345	128	1141976	48.619	ng		99
9) Benzaldehyde	6.916	77	692302	47.349	ng		99
10) Phenol	6.981	94	1356163	48.734	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	1066103	48.854	ng		100
12) 1,3-Dichlorobenzene	7.669	146	1379847	49.689	ng		98
13) 1,4-Dichlorobenzene	7.816	146	1373896	49.170	ng		100
14) 1,2-Dichlorobenzene	8.134	146	1288439	48.956	ng		99
15) Benzyl Alcohol	8.022	79	879326	48.969	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1159497	47.671	ng		99
17) 2-Methylphenol	8.228	107	827157	48.234	ng		99
18) Hexachloroethane	8.857	117	472771	48.633	ng		99
19) n-Nitroso-di-n-propyla...	8.586	70	771317	48.837	ng		100
20) 3+4-Methylphenols	8.551	107	1138439	48.694	ng		100
22) Acetophenone	8.598	105	1550166	49.544	ng	#	99
24) Nitrobenzene	8.981	77	1111675	49.935	ng		98
25) Isophorone	9.504	82	1926268	49.735	ng		100
26) 2-Nitrophenol	9.686	139	611215	51.801	ng		99
27) 2,4-Dimethylphenol	9.757	122	682677	51.053	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	1283751	49.510	ng		99
29) 2,4-Dichlorophenol	10.227	162	1124321	50.582	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	1285402	49.988	ng		99
31) Naphthalene	10.622	128	3278244	49.555	ng		99
32) Benzoic acid	9.904	122	773909	46.956	ng		96
33) 4-Chloroaniline	10.733	127	1155438	49.463	ng		98
34) Hexachlorobutadiene	10.916	225	800154	50.305	ng		99
35) Caprolactam	11.522	113	317444	49.794	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	973959	50.022	ng		99
37) 2-Methylnaphthalene	12.239	142	2320947	49.796	ng		99
38) 1-Methylnaphthalene	12.457	142	2263493	49.847	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1436460	50.808	ng		99
41) Hexachlorocyclopentadiene	12.592	237	526124	53.108	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	907433	50.440	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

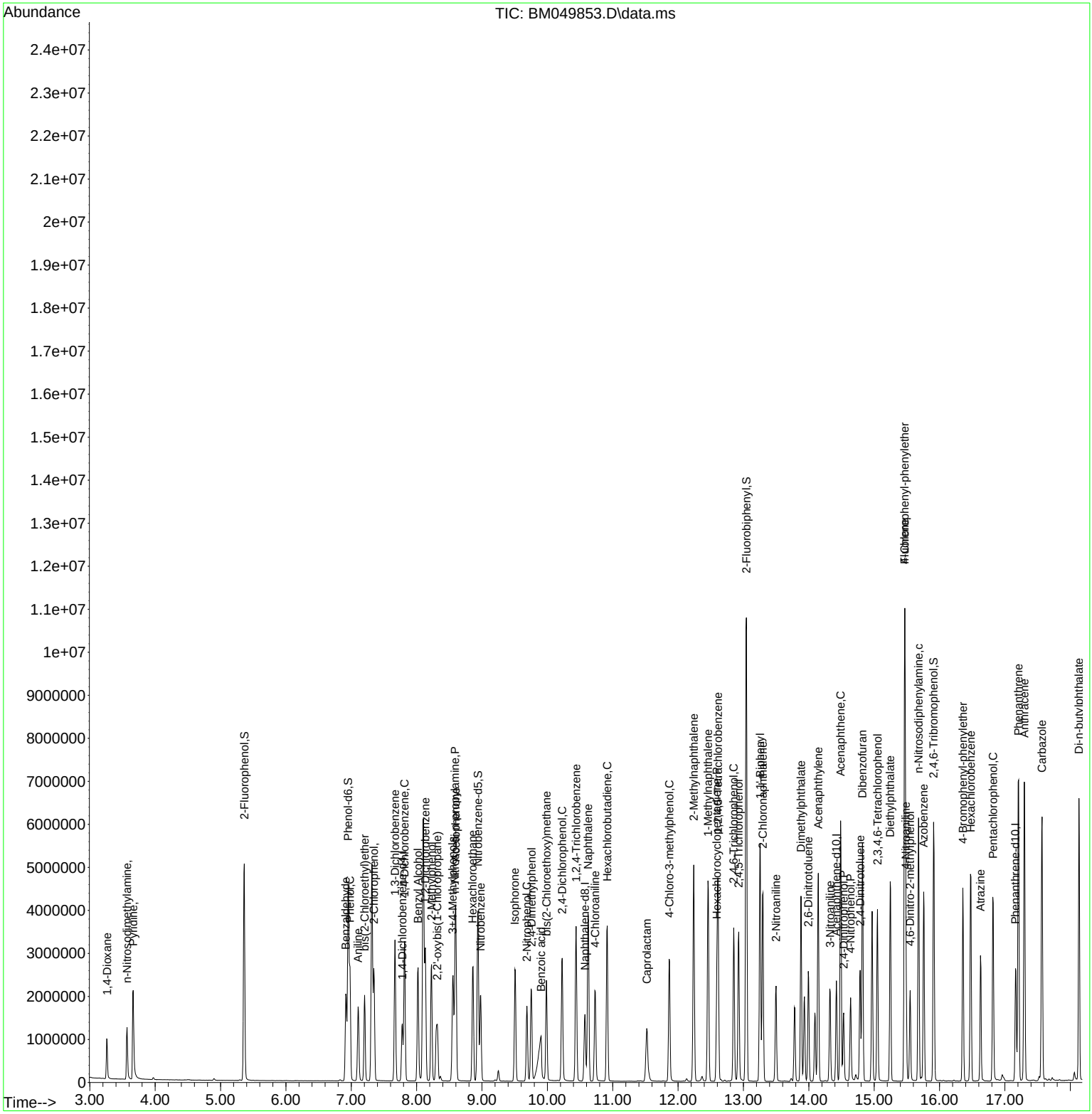
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	976092	49.927	ng	99
46) 1,1'-Biphenyl	13.257	154	2990362	49.778	ng	100
47) 2-Chloronaphthalene	13.298	162	2349832	49.767	ng	99
48) 2-Nitroaniline	13.498	65	568681	52.061	ng	98
49) Acenaphthylene	14.145	152	3456837	50.260	ng	100
50) Dimethylphthalate	13.880	163	2850200	49.993	ng	99
51) 2,6-Dinitrotoluene	13.992	165	616905	51.646	ng	99
52) Acenaphthene	14.486	154	2199854	50.284	ng	100
53) 3-Nitroaniline	14.327	138	595646	51.595	ng	94
54) 2,4-Dinitrophenol	14.533	184	391855	48.434	ng	98
55) Dibenzofuran	14.821	168	3667823	50.151	ng	99
56) 4-Nitrophenol	14.639	139	550813	53.540	ng	98
57) 2,4-Dinitrotoluene	14.786	165	847929	53.211	ng	95
58) Fluorene	15.468	166	2942325	50.613	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	848529	49.519	ng	98
60) Diethylphthalate	15.245	149	2722291	49.792	ng	99
61) 4-Chlorophenyl-phenyle...	15.468	204	1598783	51.296	ng	98
62) 4-Nitroaniline	15.486	138	638370	53.470	ng	100
63) Azobenzene	15.757	77	2357839	50.372	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	531880	52.759	ng	99
66) n-Nitrosodiphenylamine	15.680	169	2406908	50.273	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	946616	50.970	ng	98
68) Hexachlorobenzene	16.480	284	1072736	50.357	ng	99
69) Atrazine	16.627	200	567392	45.708	ng	99
70) Pentachlorophenol	16.821	266	786228	50.132	ng	99
71) Phenanthrene	17.209	178	4416317	50.352	ng	100
72) Anthracene	17.298	178	4394410	50.841	ng	100
73) Carbazole	17.568	167	4149752	50.973	ng	99
74) Di-n-butylphthalate	18.133	149	4702392	50.149	ng	100
75) Fluoranthene	19.221	202	5578449	51.729	ng	99
77) Benzidine	19.403	184	677381	30.737	ng	100
78) Pyrene	19.586	202	5785386	50.533	ng	100
80) Butylbenzylphthalate	20.486	149	2121299	49.311	ng	98
81) Benzo(a)anthracene	21.386	228	5586396	50.600	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	2142953	51.399	ng	99
83) Chrysene	21.450	228	5305401	50.547	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3073374	49.035	ng	98
85) Di-n-octyl phthalate	22.444	149	5429342	49.516	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	6670738	51.094	ng	99
88) Benzo(b)fluoranthene	23.462	252	5751381	51.416	ng	99
89) Benzo(k)fluoranthene	23.527	252	5530993	51.024	ng	100
90) Benzo(a)pyrene	24.268	252	5052750	51.404	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	5509091	51.229	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5555532	50.555	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

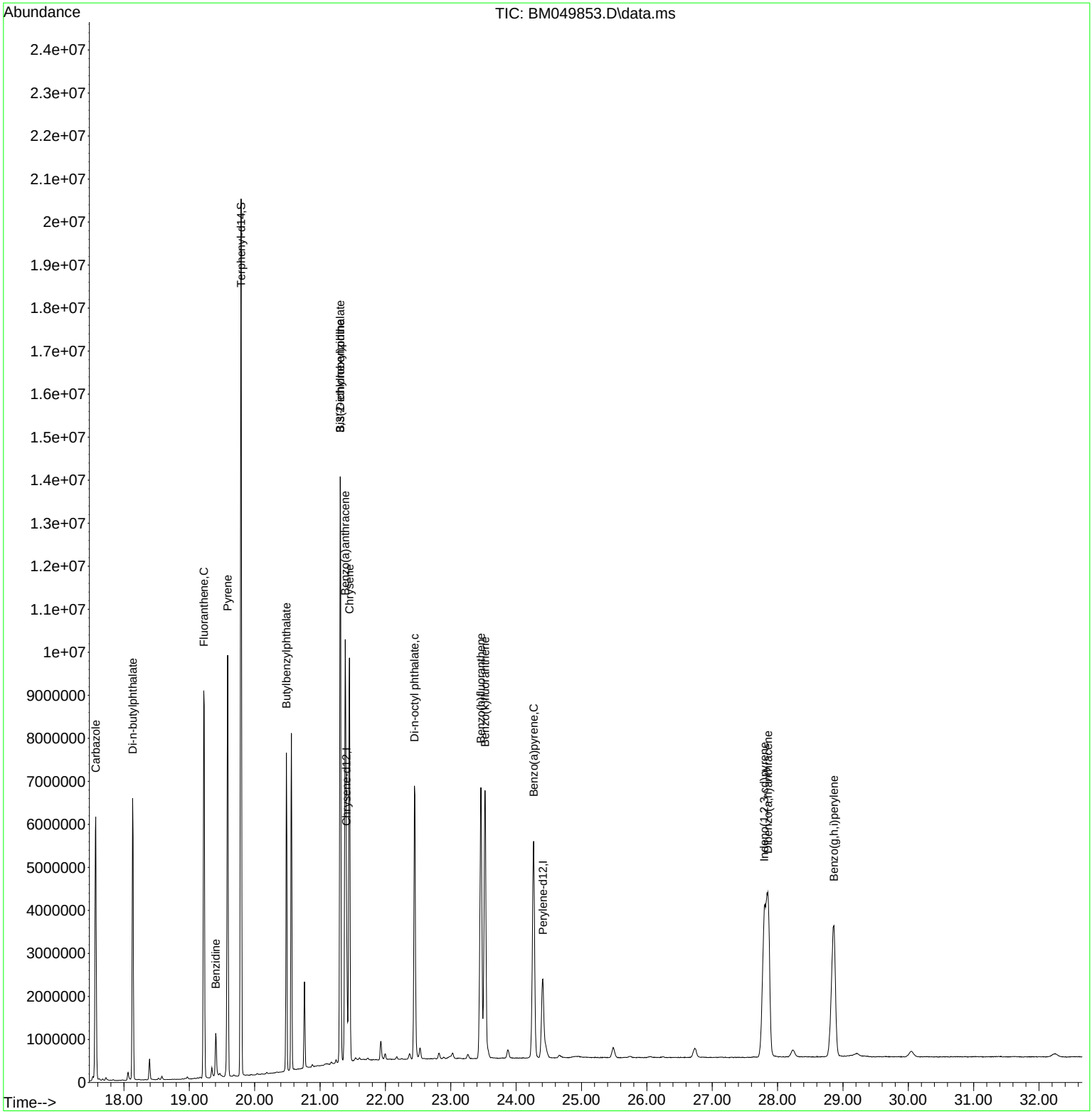
Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

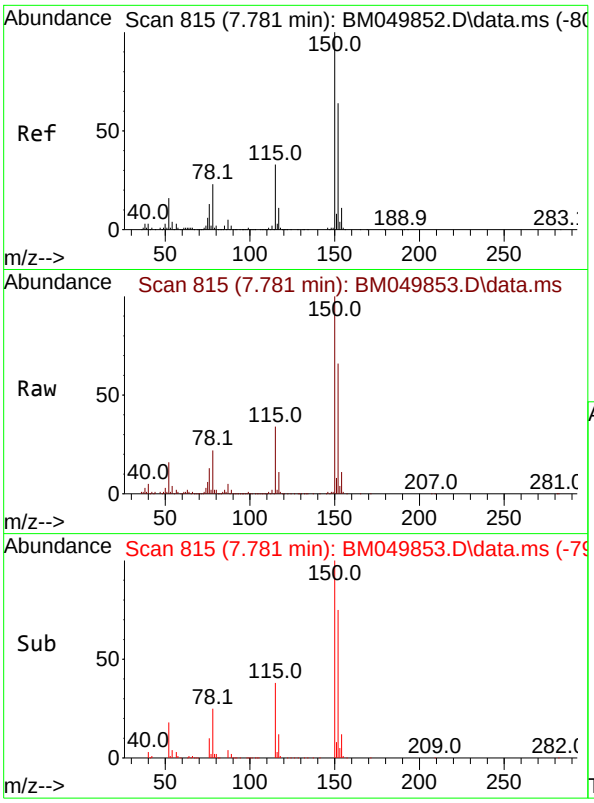


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



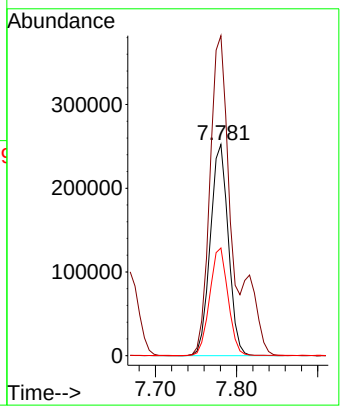


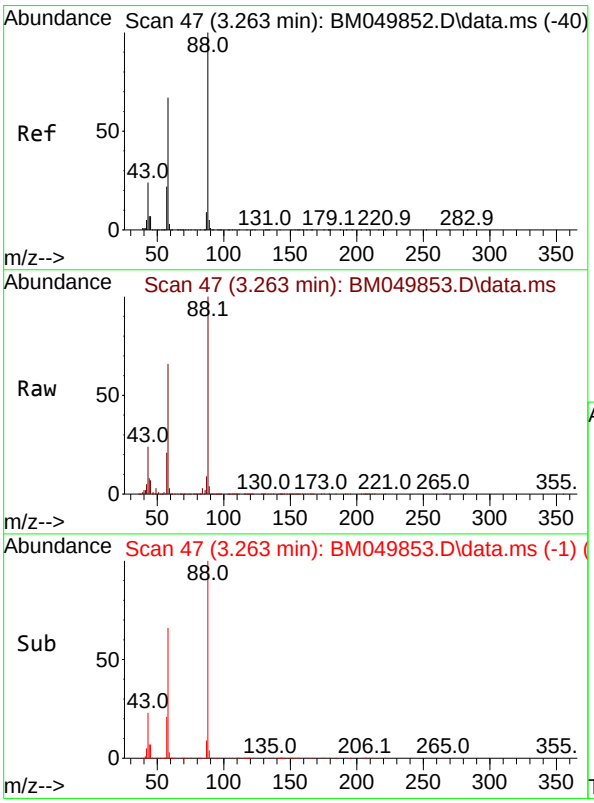
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 389192

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	51.0	41.1	61.7

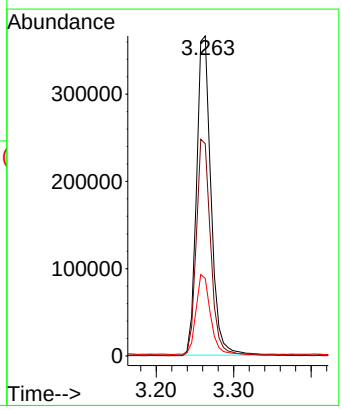


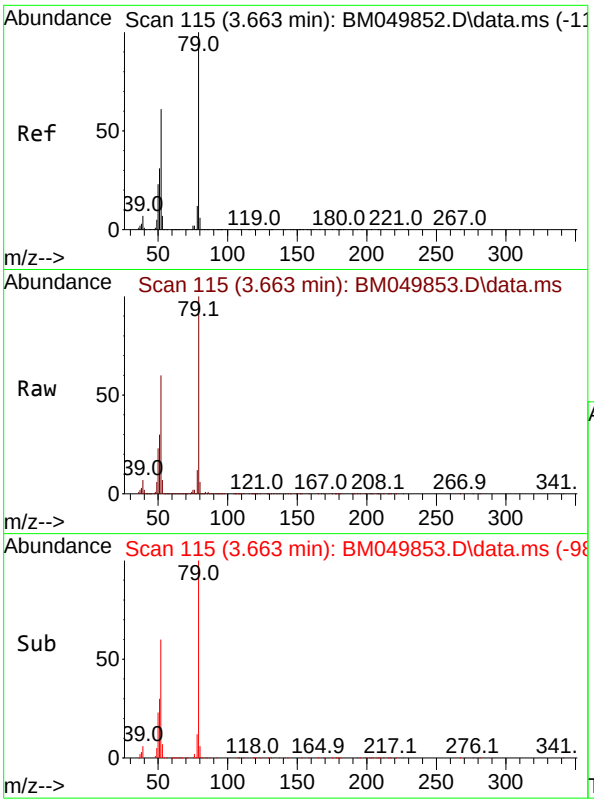


#2
1,4-Dioxane
Concen: 50.062 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 88 Resp: 472538

Ion	Ratio	Lower	Upper
88	100		
58	68.1	54.1	81.1
43	25.1	20.2	30.4



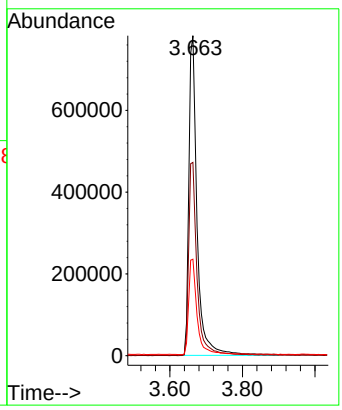


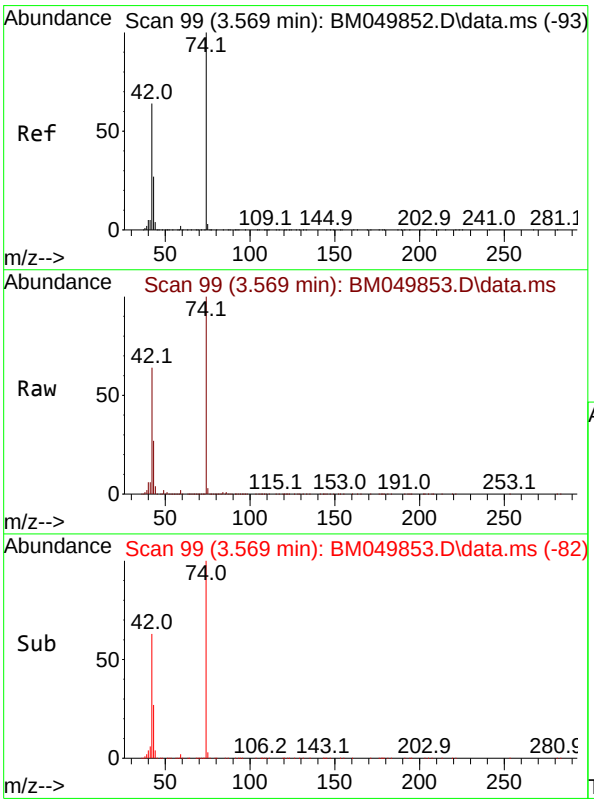
#3
Pyridine
Concen: 50.075 ng
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1241357

Ion	Ratio	Lower	Upper
79	100		
52	60.4	48.9	73.3
51	30.1	25.0	37.6

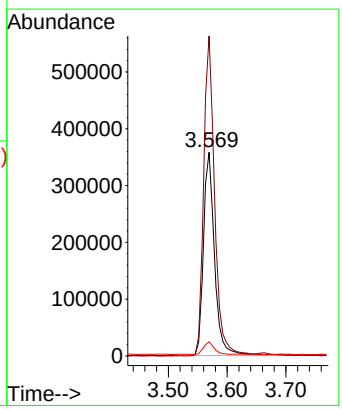


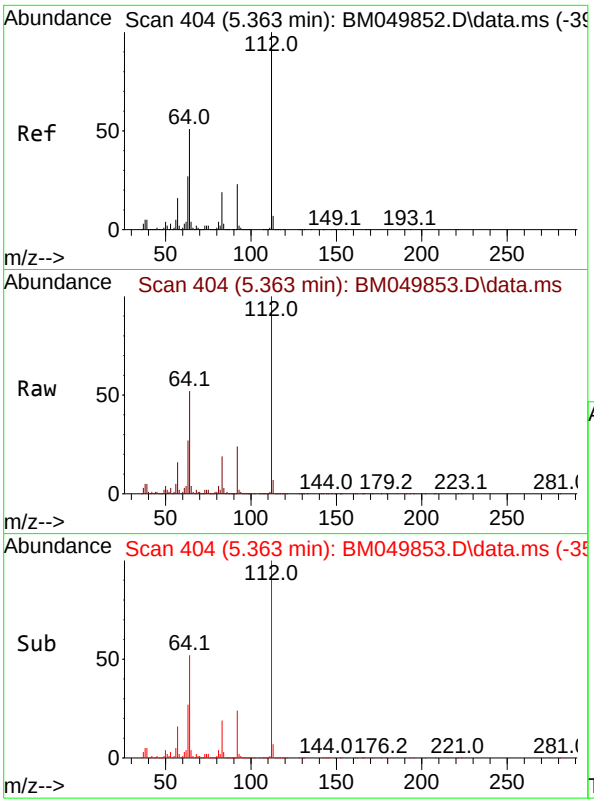


#4
n-Nitrosodimethylamine
Concen: 49.875 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 42 Resp: 470712

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



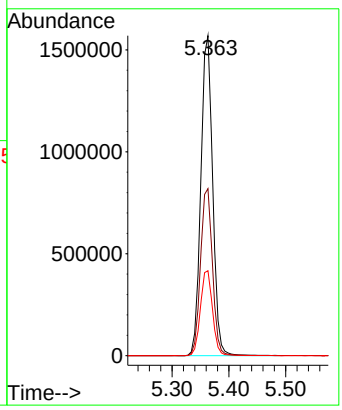


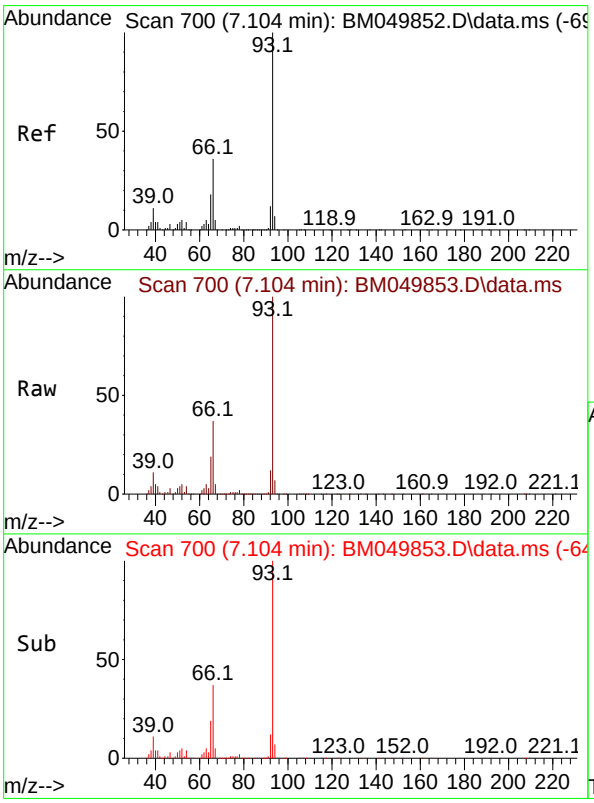
#5
2-Fluorophenol
Concen: 98.875 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 2266168

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.0	61.6
63	26.6	21.5	32.3

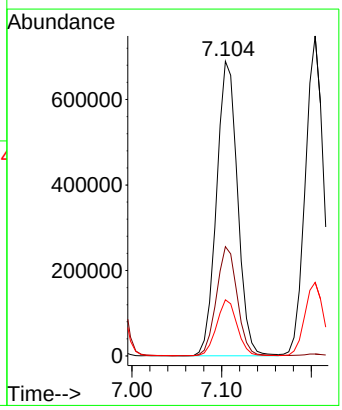


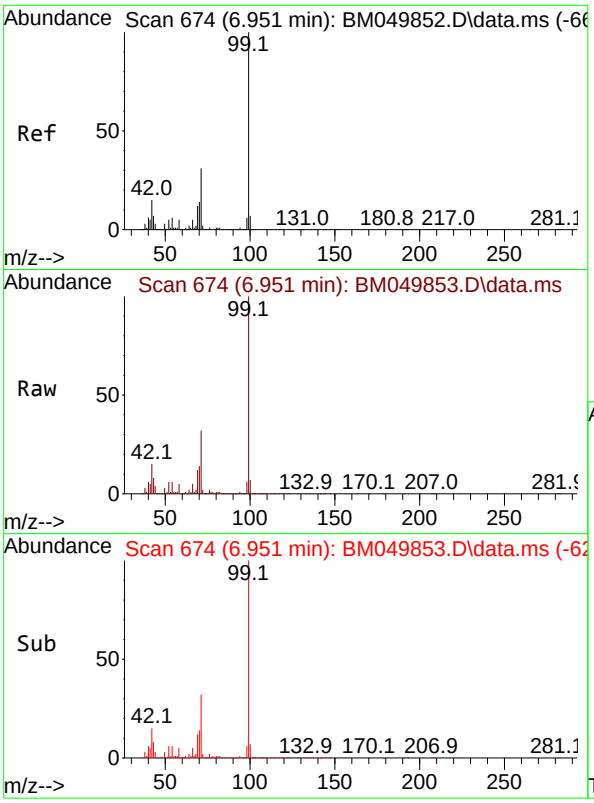


#6
Aniline
Concen: 45.913 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1121872

Ion	Ratio	Lower	Upper
93	100		
66	37.1	29.1	43.7
65	19.1	14.9	22.3



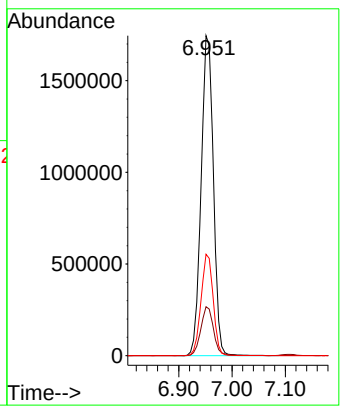


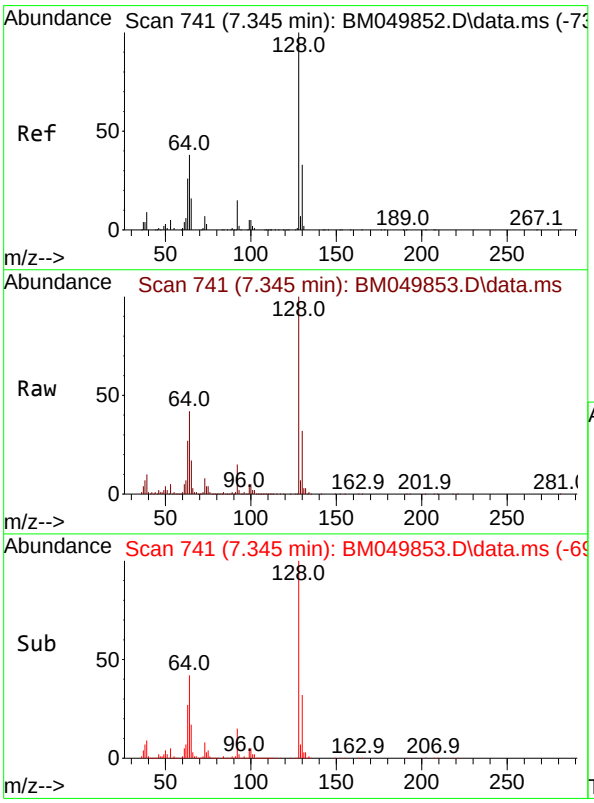
#7
Phenol-d6
Concen: 97.806 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2789069

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.7	24.9	37.3

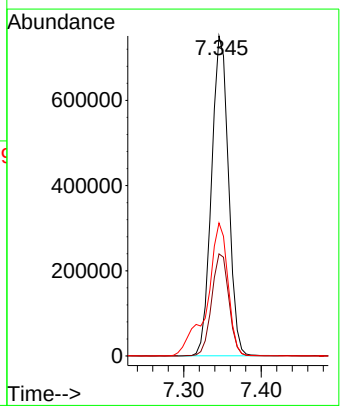


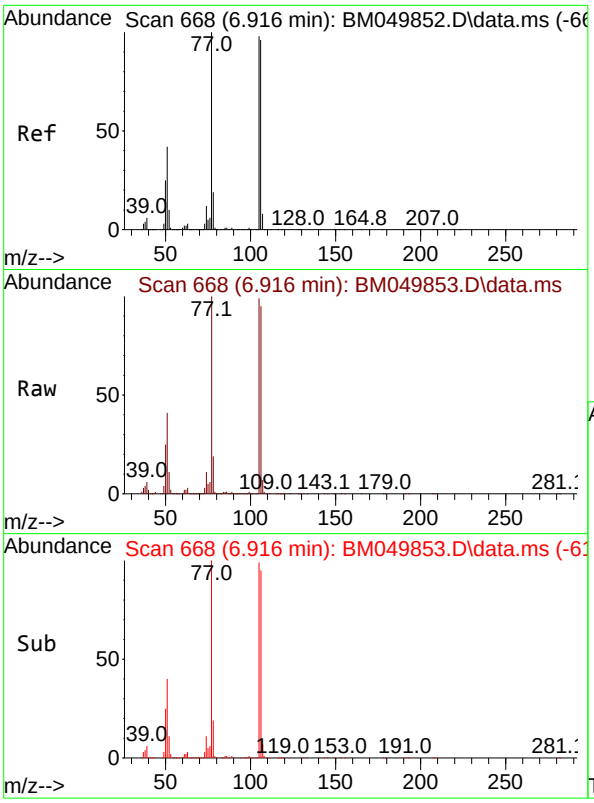


#8
2-Chlorophenol
Concen: 48.619 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:128 Resp: 1141976

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	41.5	21.1	61.1



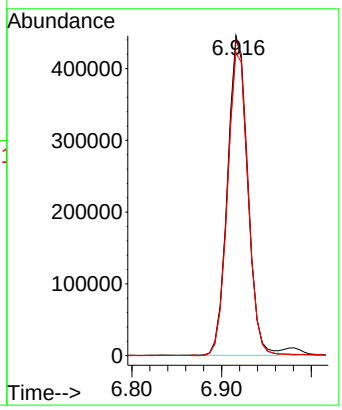


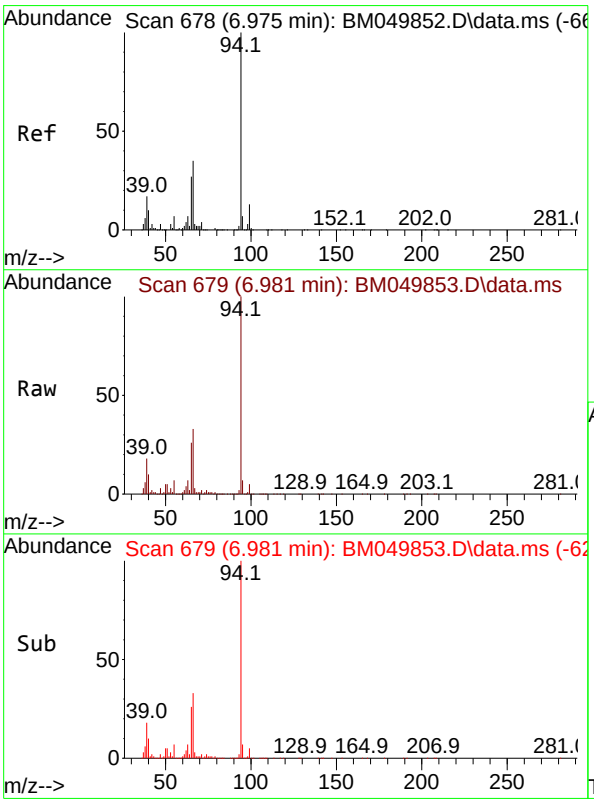
#9
Benzaldehyde
Concen: 47.349 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 692302

Ion	Ratio	Lower	Upper
77	100		
105	98.6	78.3	118.3
106	94.8	76.0	116.0

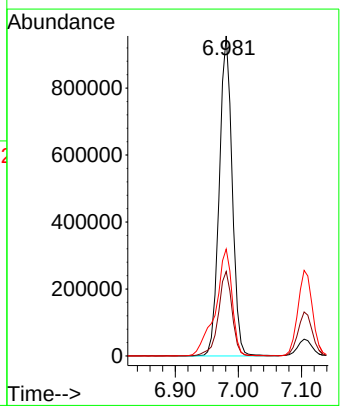


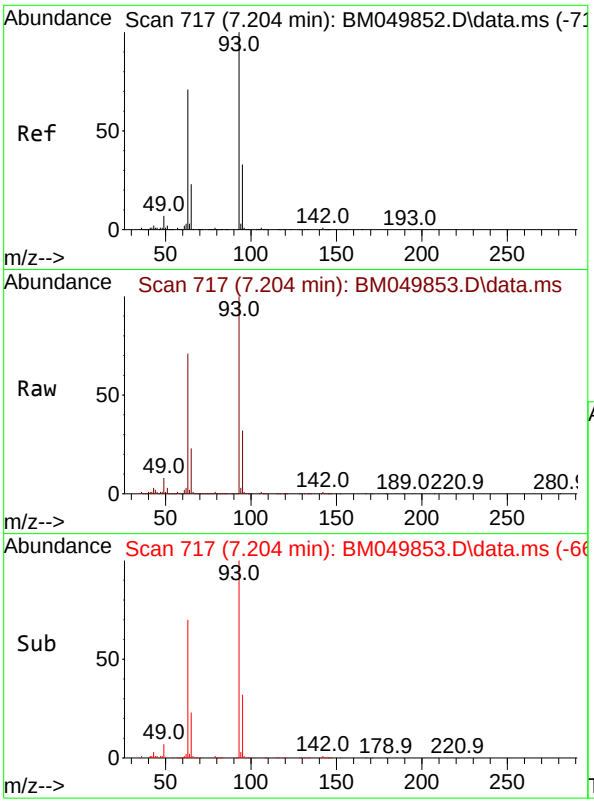


#10
Phenol
Concen: 48.734 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 94 Resp: 1356163

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.3	47.3
66	33.4	14.8	54.8



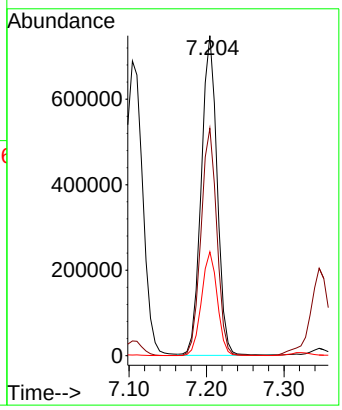


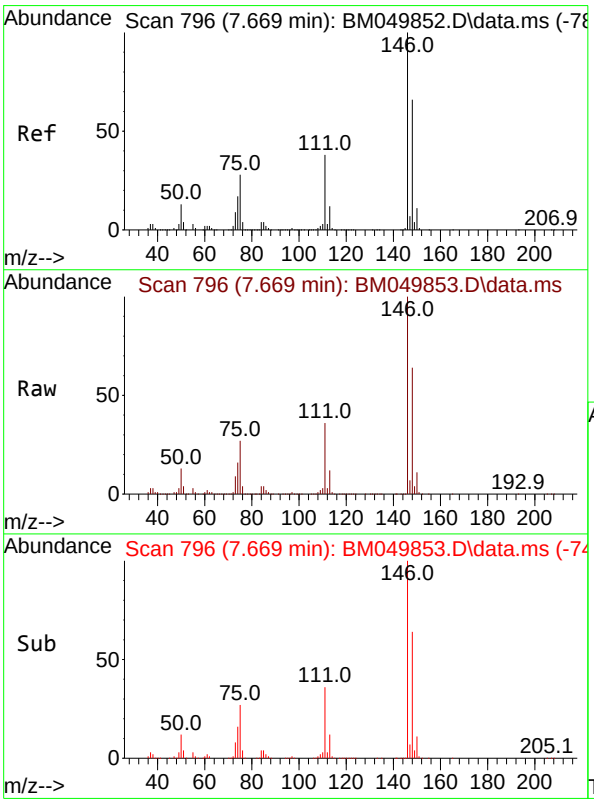
#11
bis(2-Chloroethyl)ether
Concen: 48.854 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1066103

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.9	90.9
95	32.4	12.6	52.6

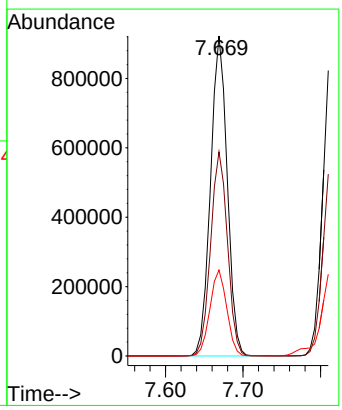


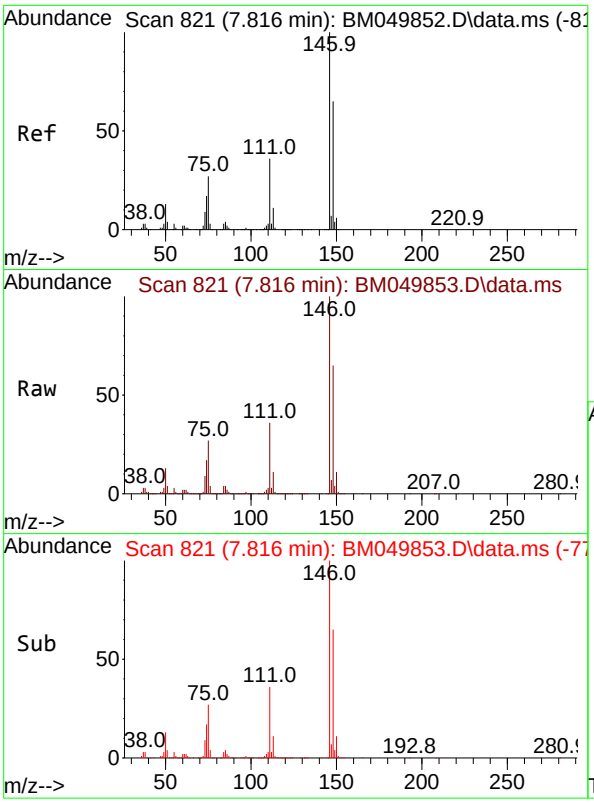


#12
1,3-Dichlorobenzene
Concen: 49.689 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1379847

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	26.8	22.5	33.7



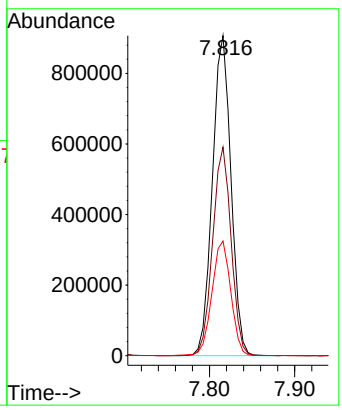


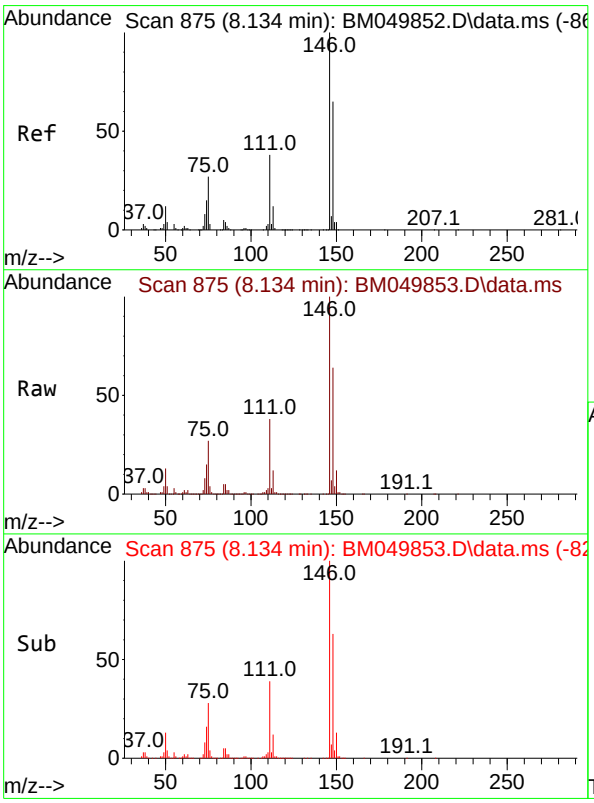
#13
1,4-Dichlorobenzene
Concen: 49.170 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1373896

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	35.8	28.5	42.7

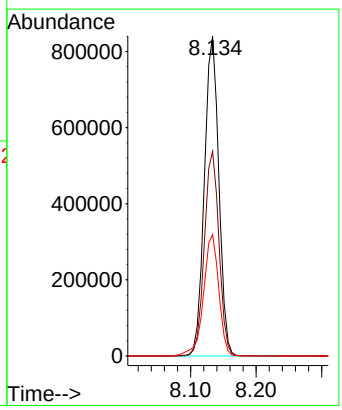


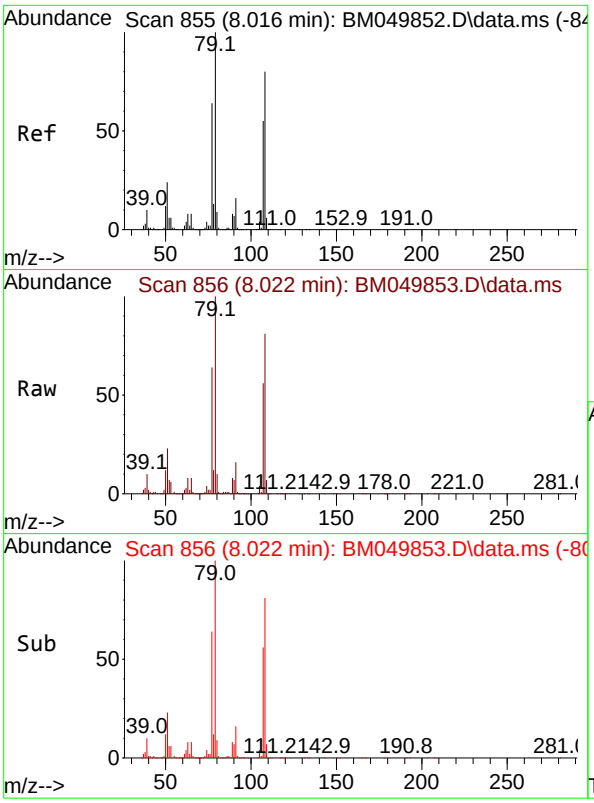


#14
1,2-Dichlorobenzene
Concen: 48.956 ng
RT: 8.134 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1288439

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	37.9	30.2	45.4



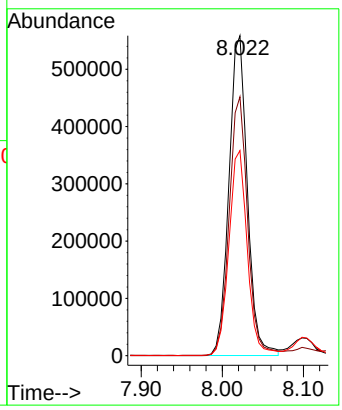


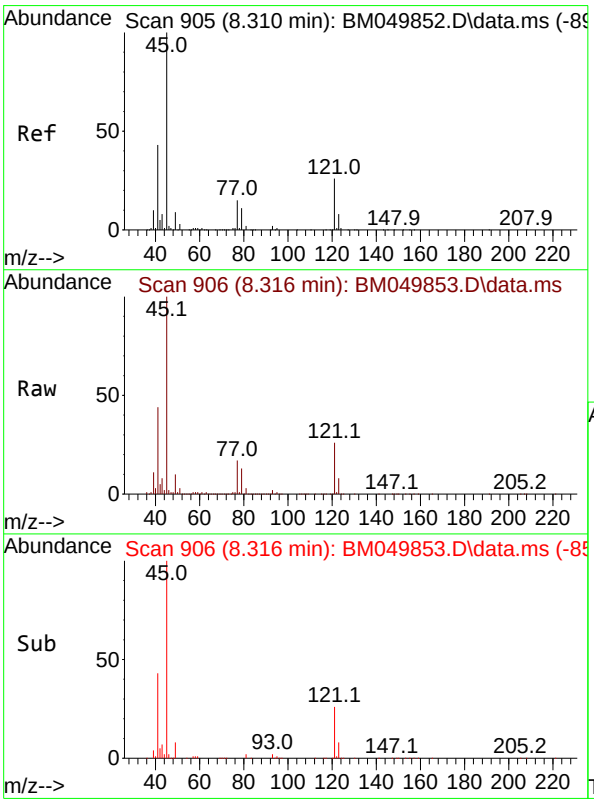
#15
Benzyl Alcohol
Concen: 48.969 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 879326

Ion	Ratio	Lower	Upper
79	100		
108	80.9	63.6	95.4
77	64.1	51.3	76.9

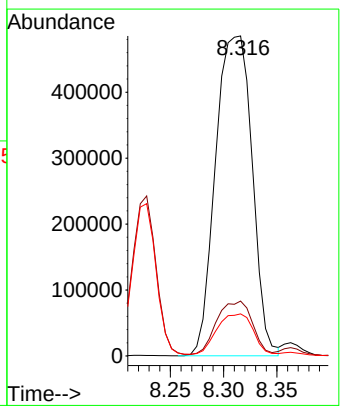


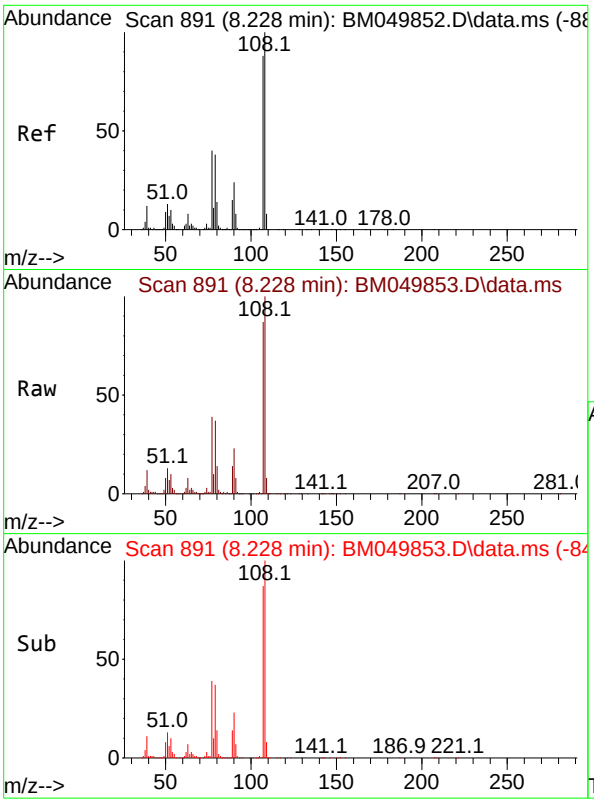


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.671 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 45 Resp: 1159497

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.9
79	13.1	0.0	32.9



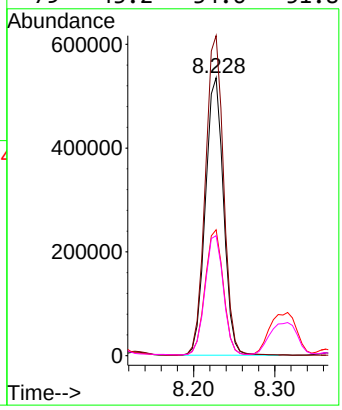


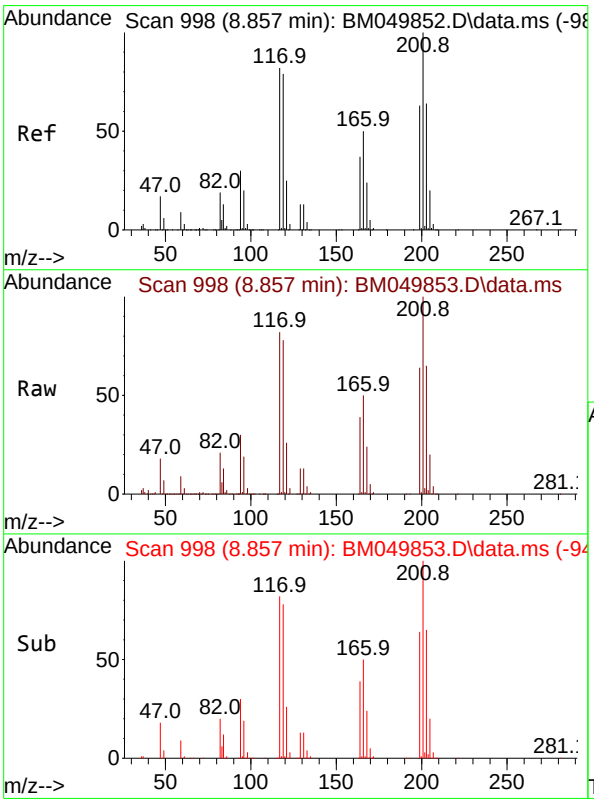
#17
2-Methylphenol
Concen: 48.234 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 827157

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	45.3	36.5	54.7
79	43.2	34.6	51.8

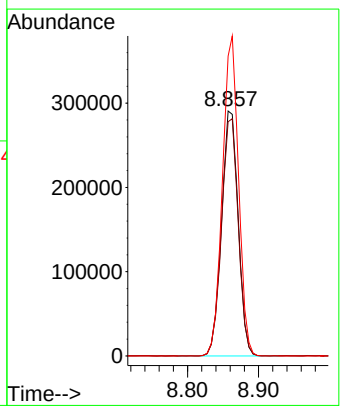


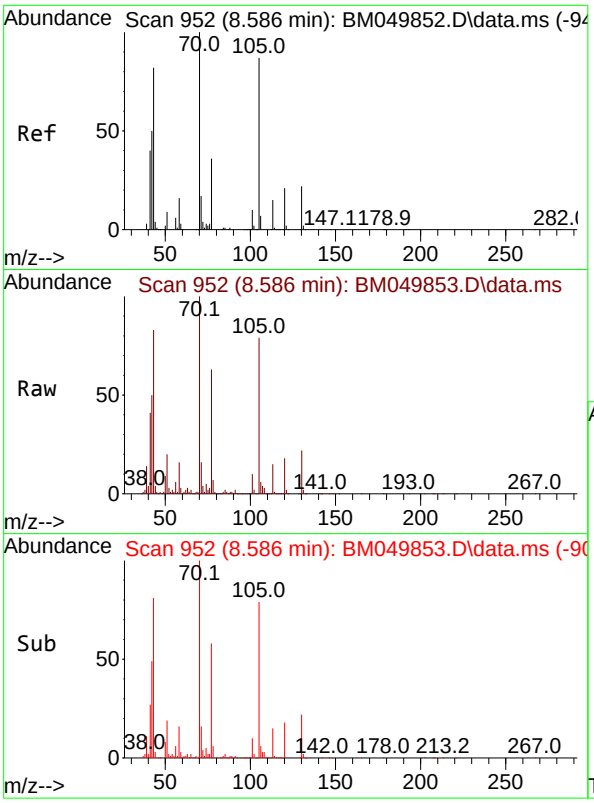


#18
Hexachloroethane
Concen: 48.633 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:117 Resp: 472771

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
201	122.3	97.7	146.5



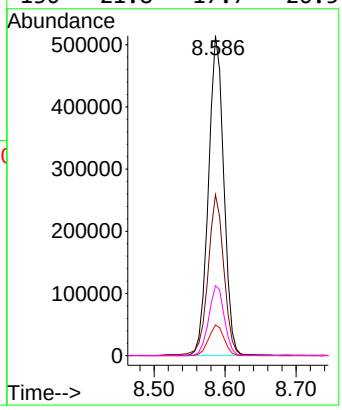


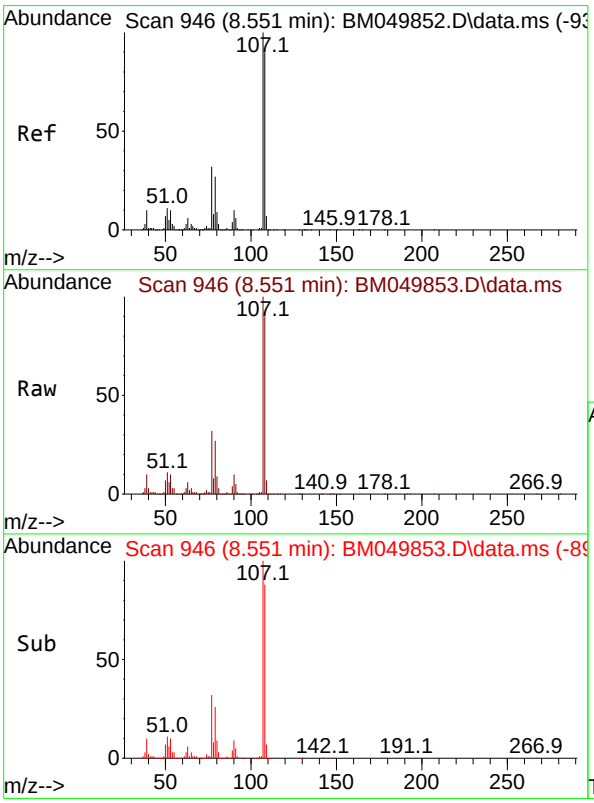
#19
n-Nitroso-di-n-propylamine
Concen: 48.837 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 771317

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.2	60.2
101	9.6	7.9	11.9
130	21.8	17.7	26.5

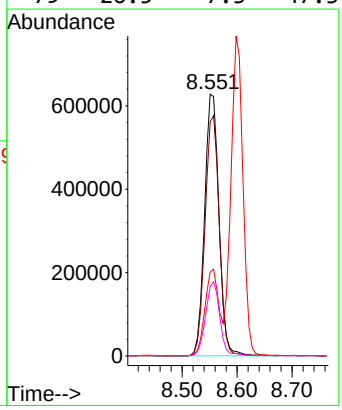


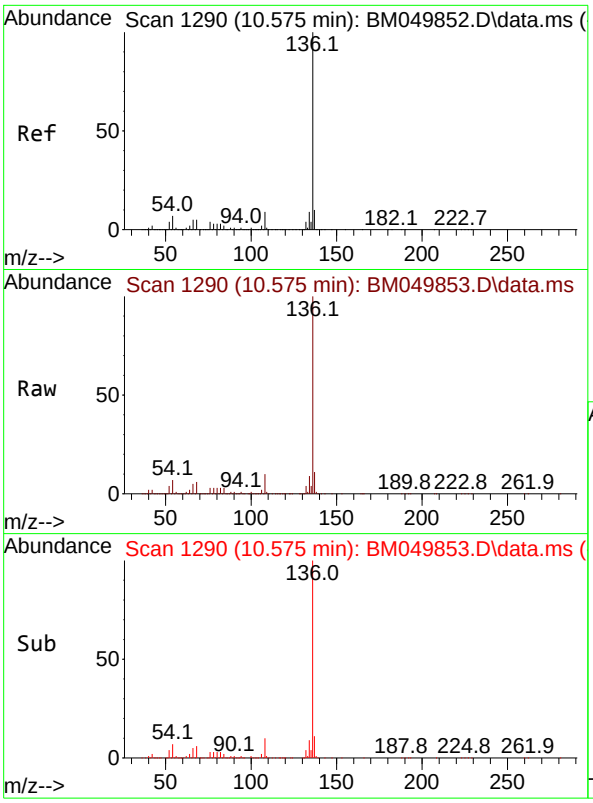


#20
3+4-Methylphenols
Concen: 48.694 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 1138439

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.6	109.6
77	32.1	11.7	51.7
79	26.5	7.3	47.3



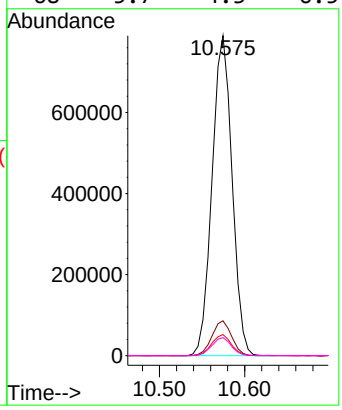


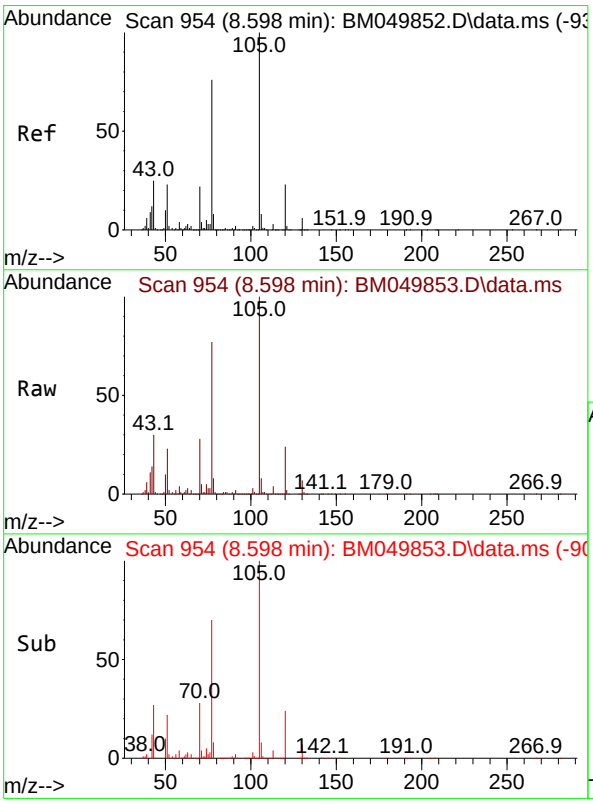
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1287434

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.6	5.3	7.9
68	5.7	4.3	6.5

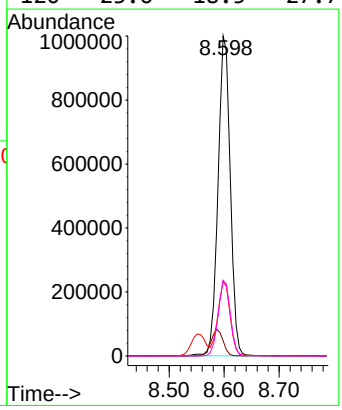


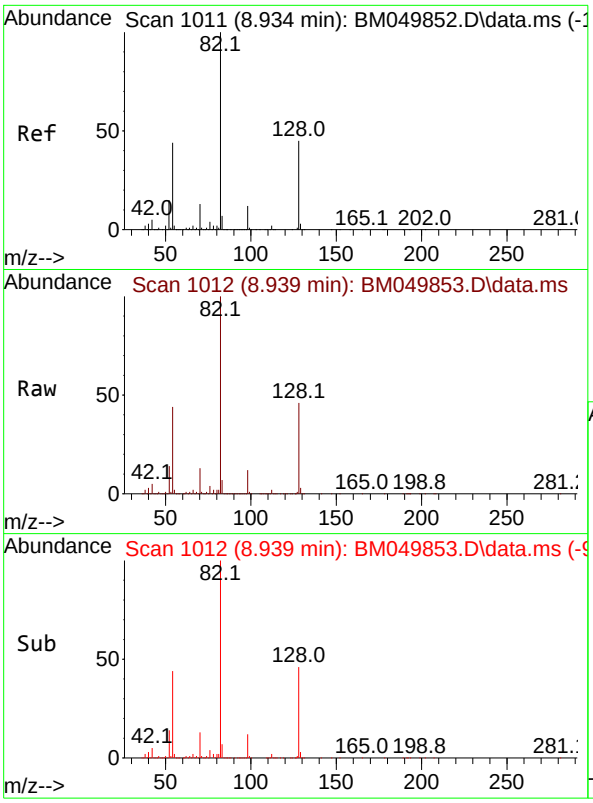


#22
Acetophenone
Concen: 49.544 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:105 Resp: 1550166

Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.0	4.4#
51	23.3	18.6	27.8
120	23.6	18.5	27.7



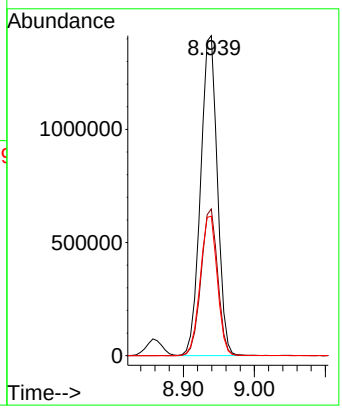


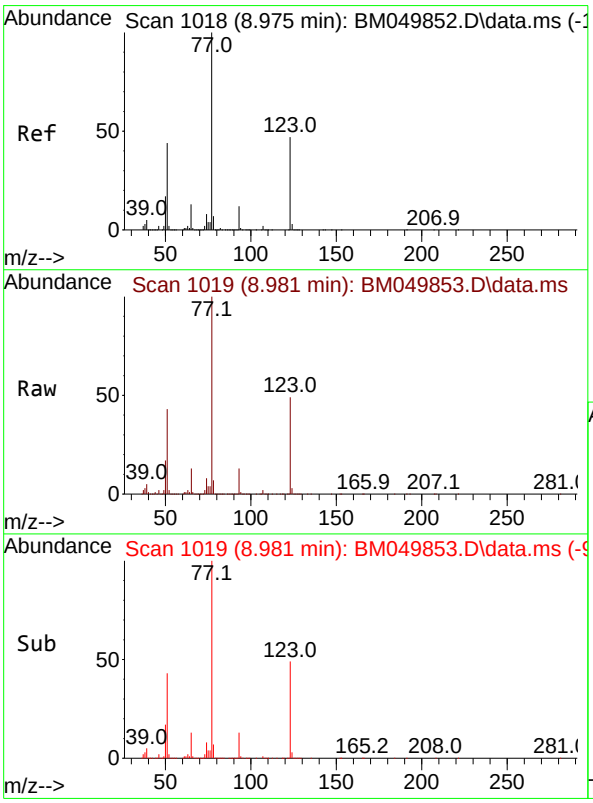
#23
Nitrobenzene-d5
Concen: 100.519 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2323989

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.2	54.2
54	43.6	35.0	52.6

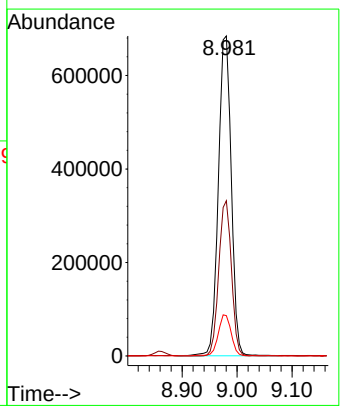


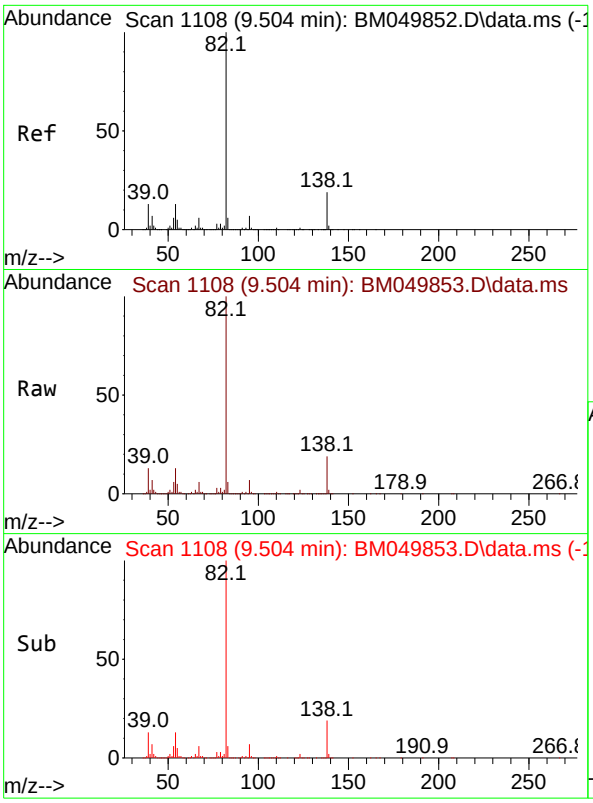


#24
Nitrobenzene
Concen: 49.935 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 77 Resp: 1111675

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.6	10.1	15.1



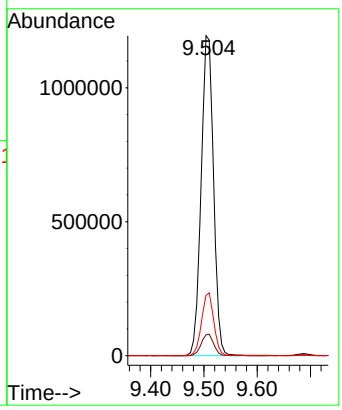


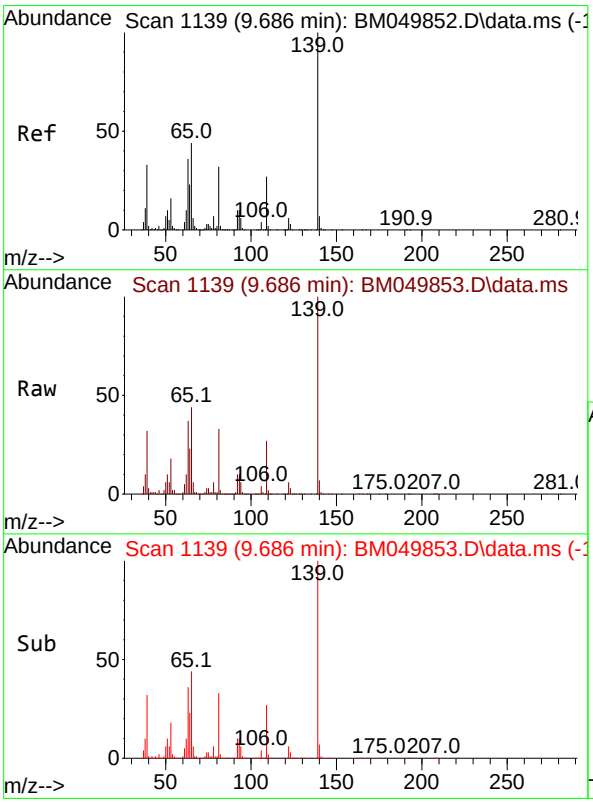
#25
Isophorone
Concen: 49.735 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1926268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.8	15.0	22.6

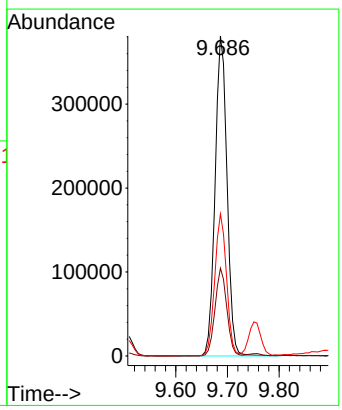


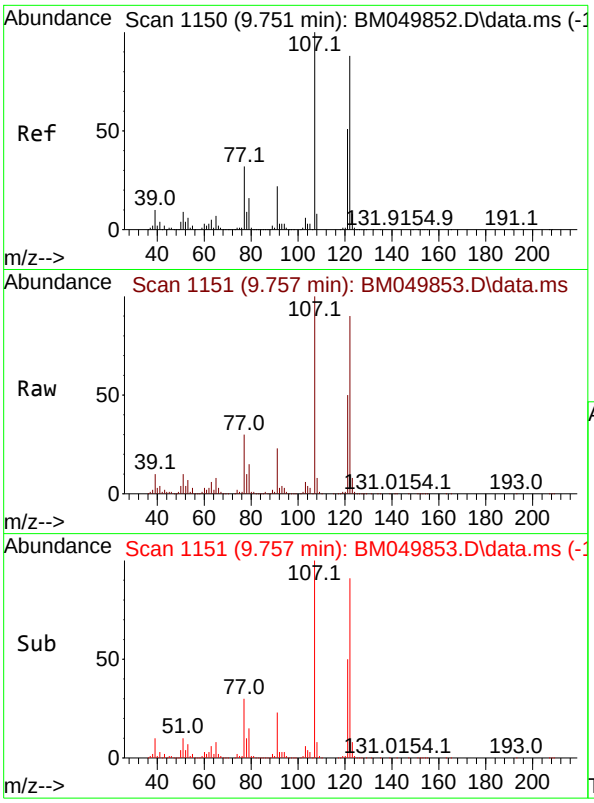


#26
2-Nitrophenol
Concen: 51.801 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 611215

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.7	32.5
65	44.4	35.2	52.8



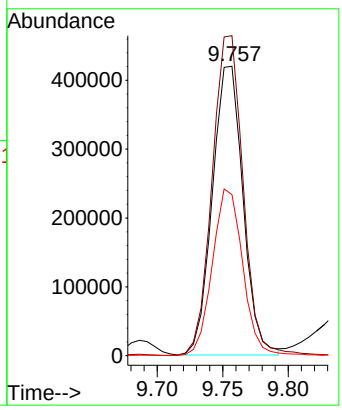


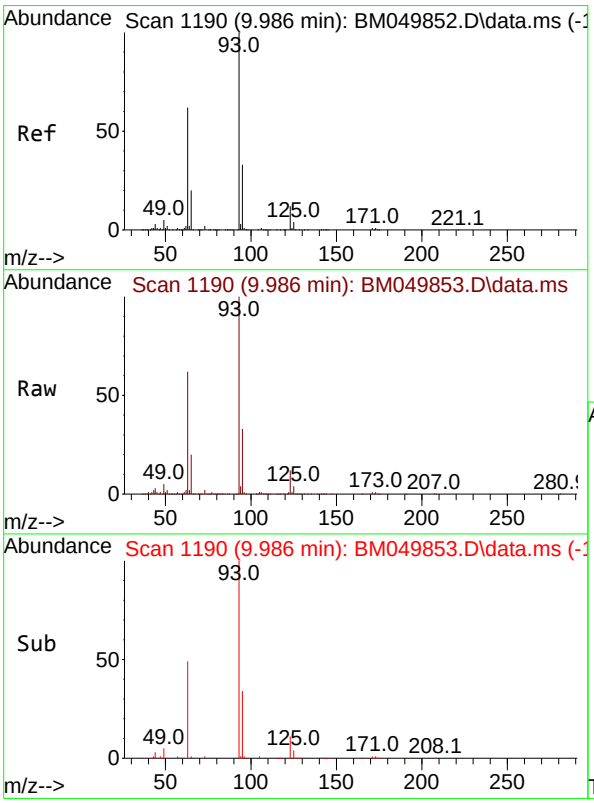
#27
2,4-Dimethylphenol
Concen: 51.053 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 682677

Ion	Ratio	Lower	Upper
122	100		
107	110.5	90.3	135.5
121	55.7	46.1	69.1

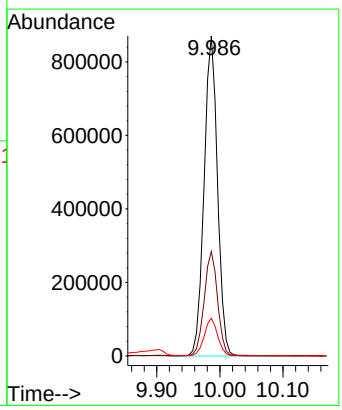


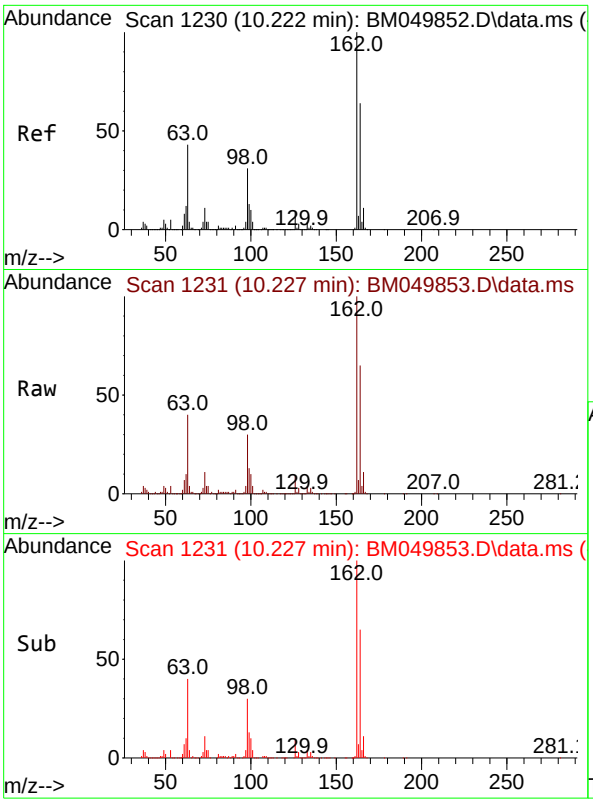


#28
bis(2-Chloroethoxy)methane
Concen: 49.510 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1283751

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	40.0
123	11.8	9.5	14.3



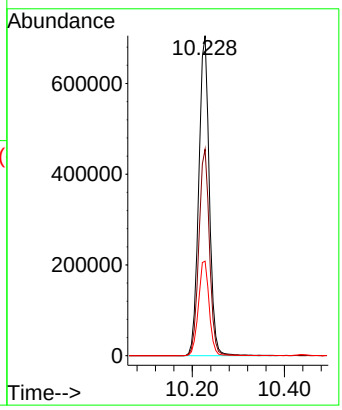


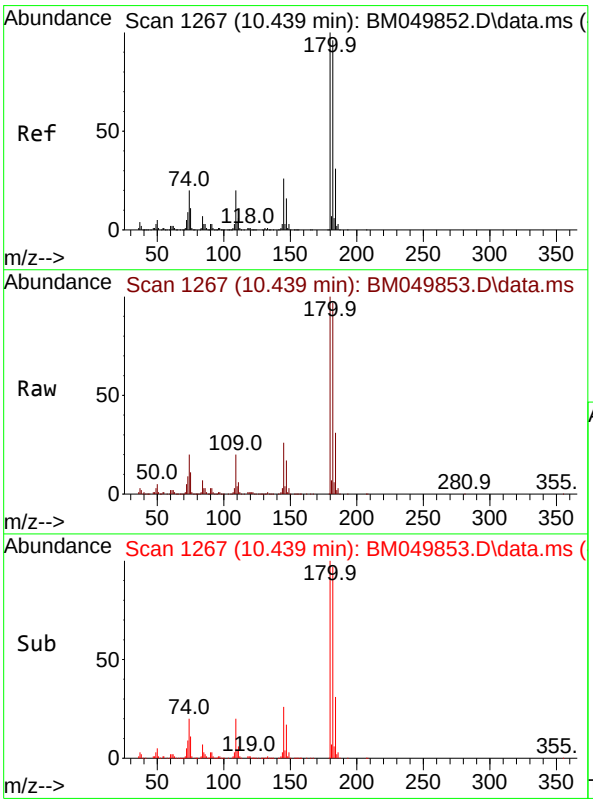
#29
2,4-Dichlorophenol
Concen: 50.582 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1124321

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	29.6	10.9	50.9

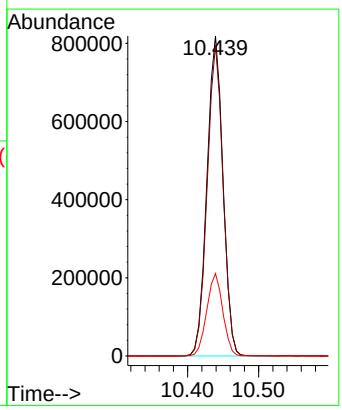


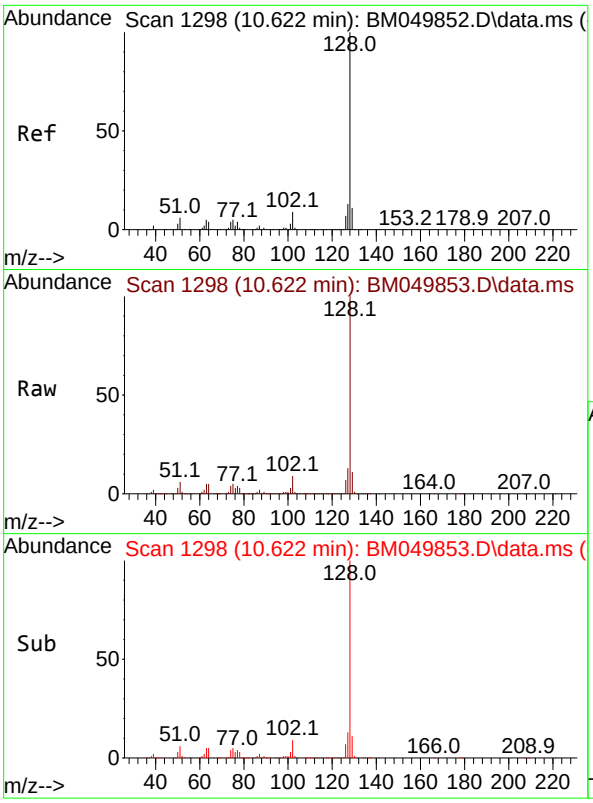


#30
1,2,4-Trichlorobenzene
Concen: 49.988 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:180 Resp: 1285402

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.7	20.8	31.2



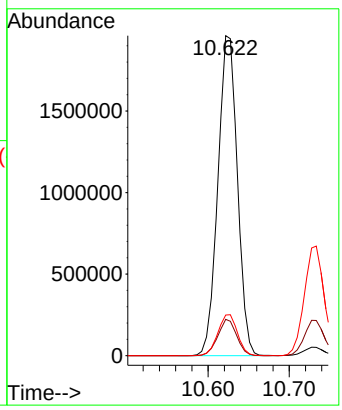


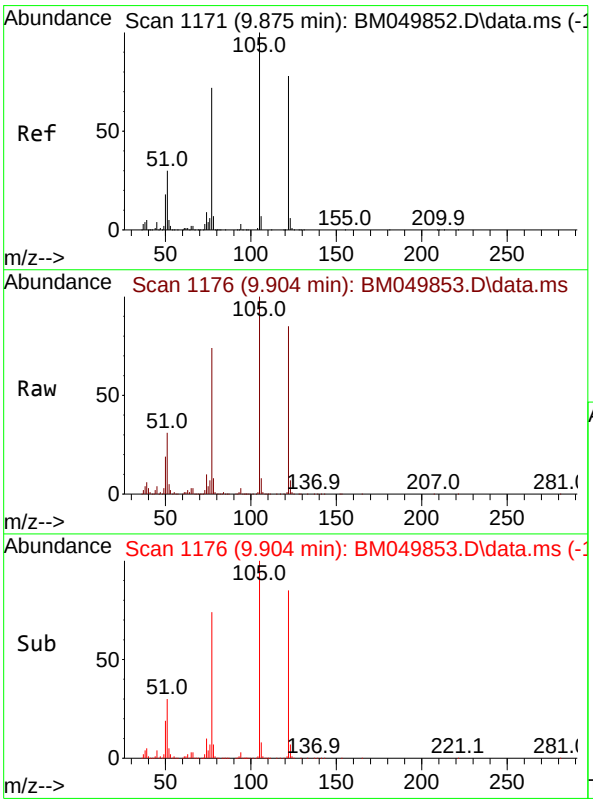
#31
Naphthalene
Concen: 49.555 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3278244

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.7	10.6	15.8

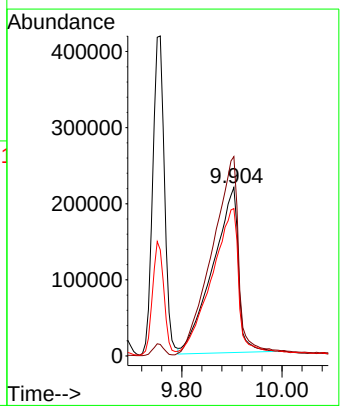


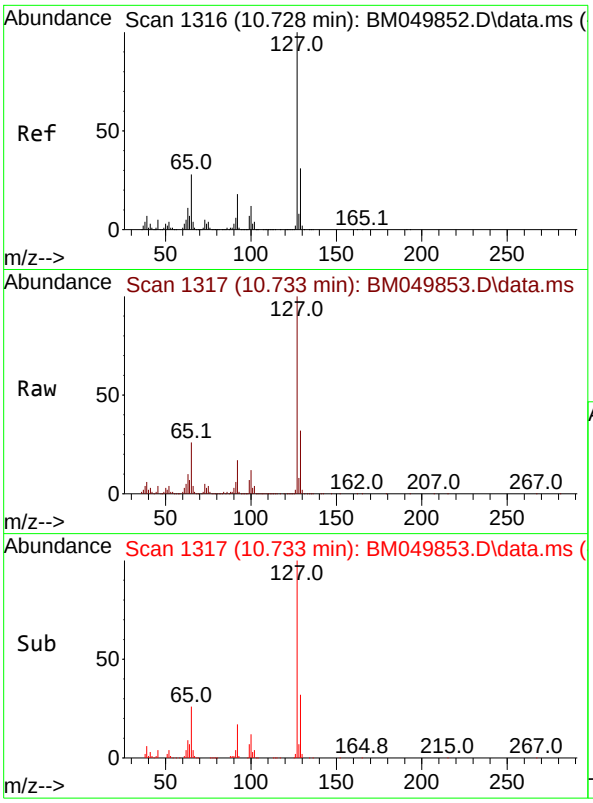


#32
Benzoic acid
Concen: 46.956 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:122 Resp: 773909

Ion	Ratio	Lower	Upper
122	100		
105	118.3	103.8	143.8
77	87.5	70.7	110.7



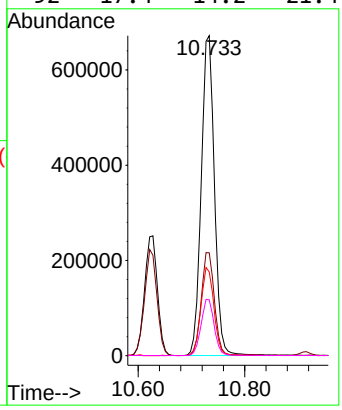


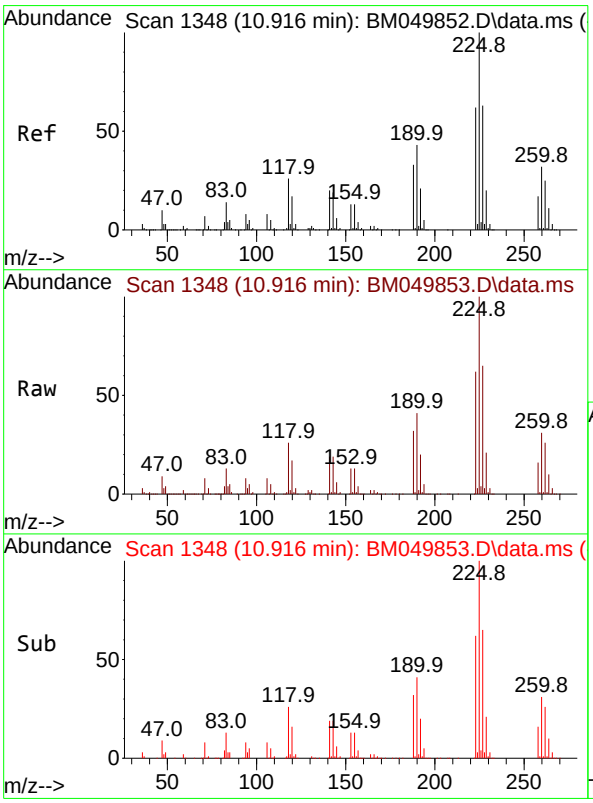
#33
4-Chloroaniline
Concen: 49.463 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1155438

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	26.2	22.4	33.6
92	17.4	14.2	21.4

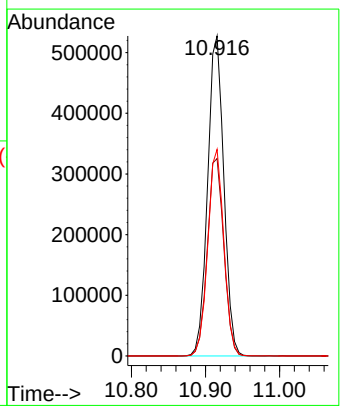


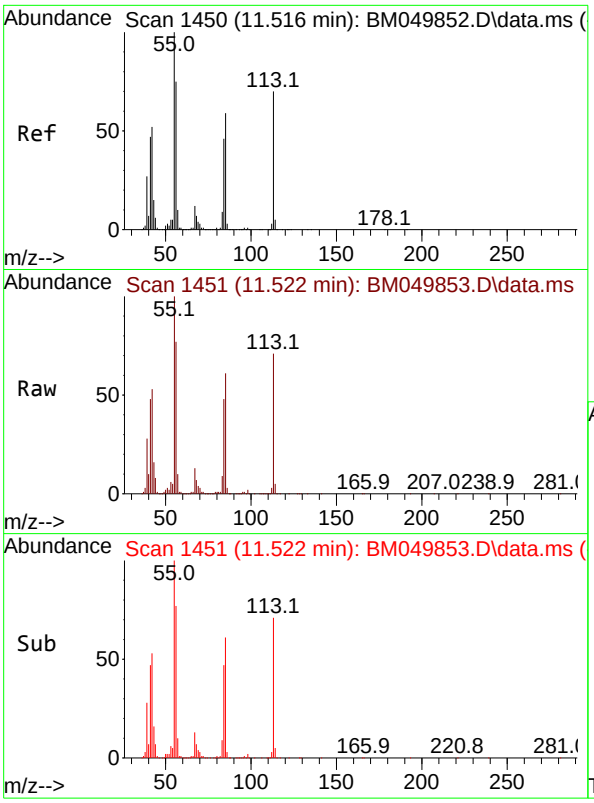


#34
Hexachlorobutadiene
Concen: 50.305 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:225 Resp: 800154

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.2
227	64.5	50.1	75.1



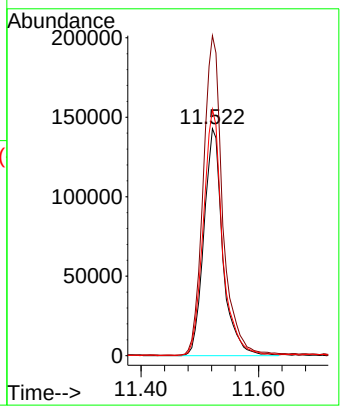


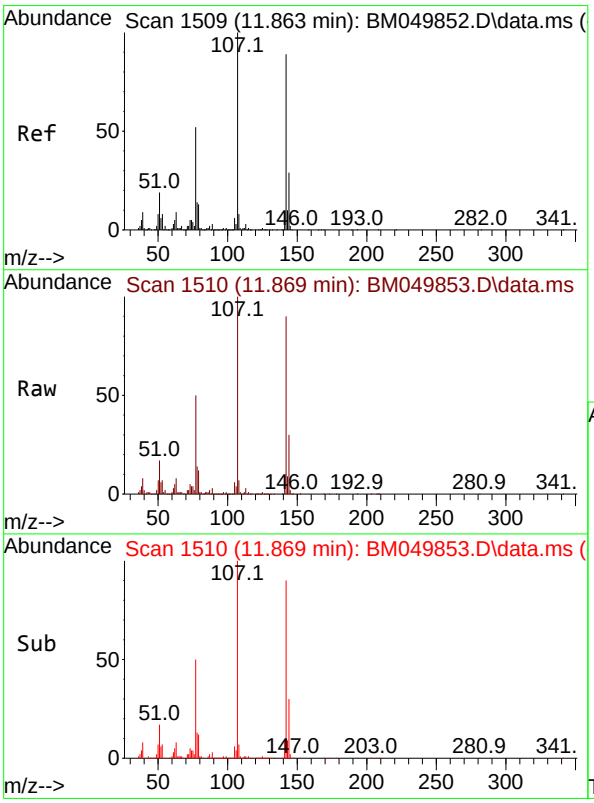
#35
Caprolactam
Concen: 49.794 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 317444

Ion	Ratio	Lower	Upper
113	100		
55	140.9	124.3	164.3
56	108.5	87.5	127.5

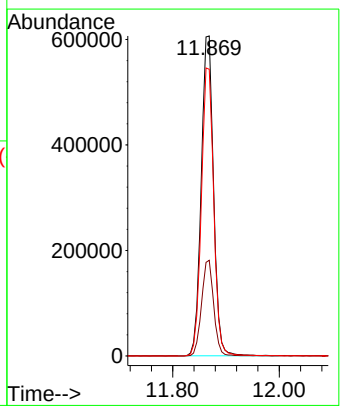


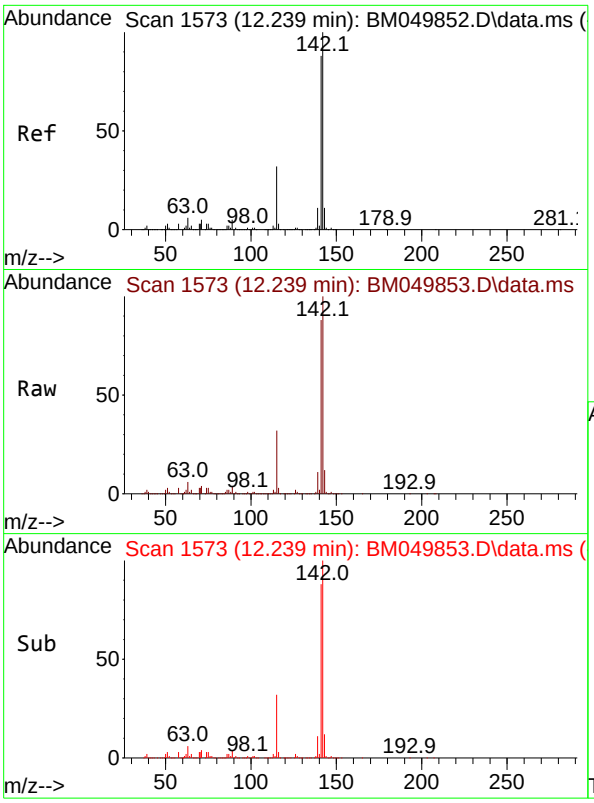


#36
4-Chloro-3-methylphenol
Concen: 50.022 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 973959

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	89.6	71.4	107.0



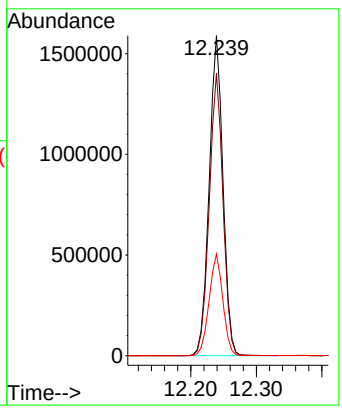


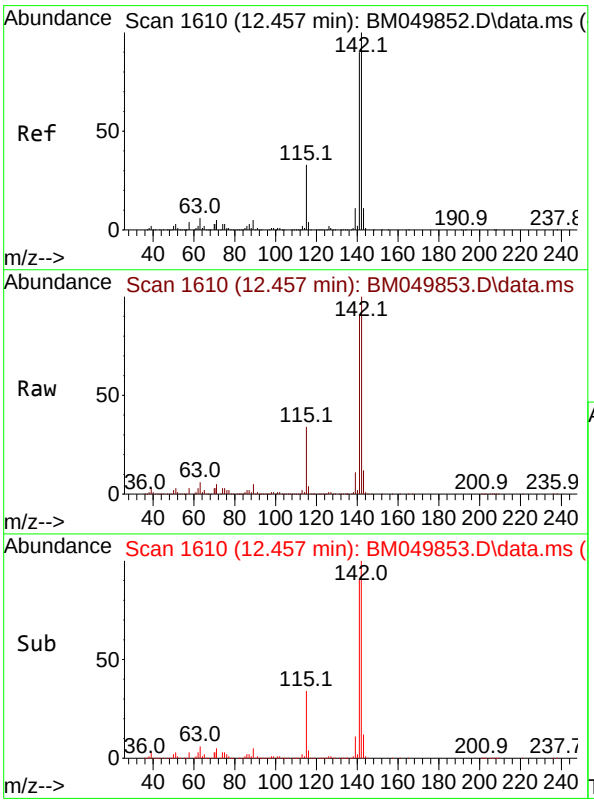
#37
2-Methylnaphthalene
Concen: 49.796 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2320947

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.2
115	31.7	25.4	38.2

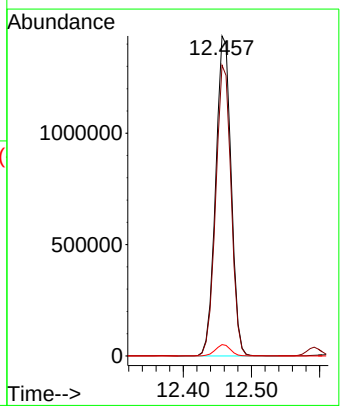


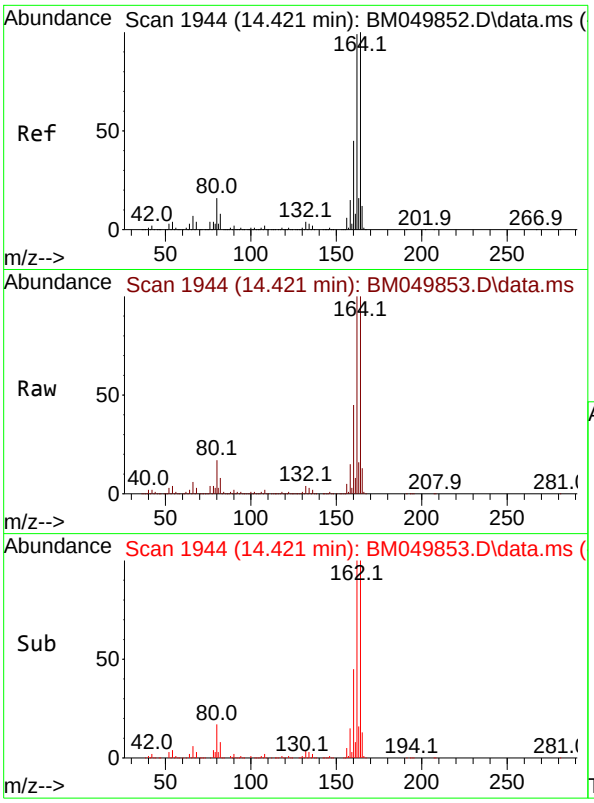


#38
1-Methylnaphthalene
Concen: 49.847 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:142 Resp: 2263493

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2
116	3.5	2.9	4.3



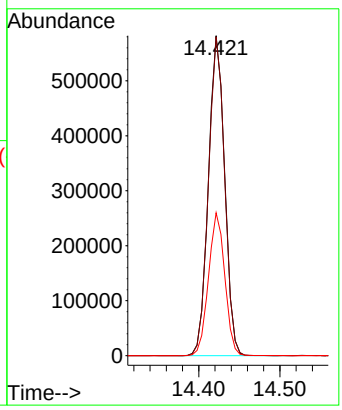


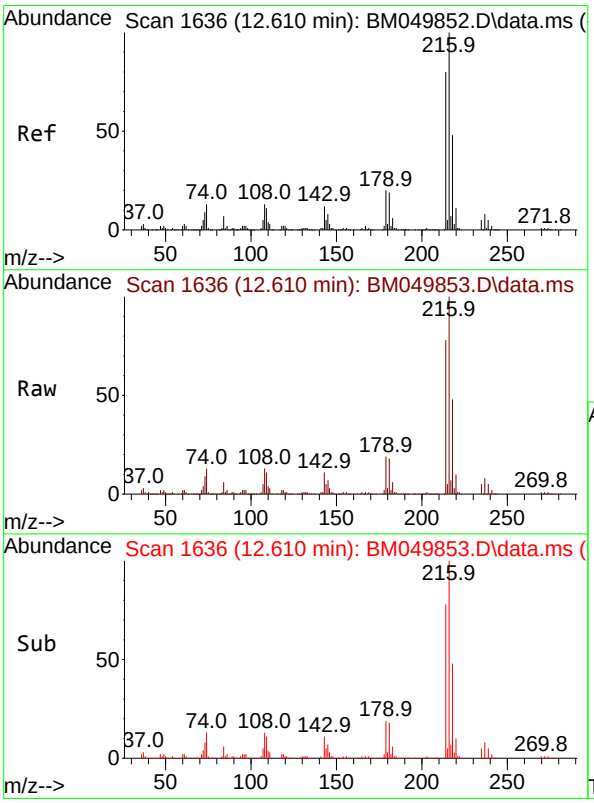
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 808126

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.4	119.0
160	44.6	36.2	54.2

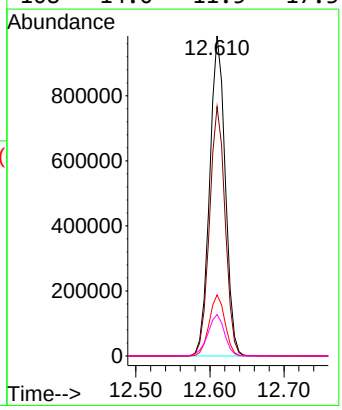


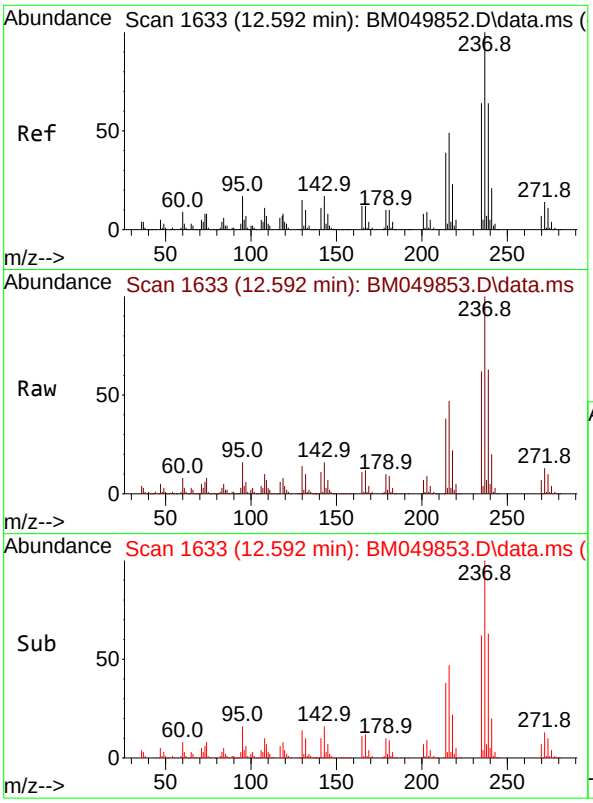


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.808 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:216 Resp: 1436460

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	19.3	15.8	23.6
108	14.0	11.5	17.3



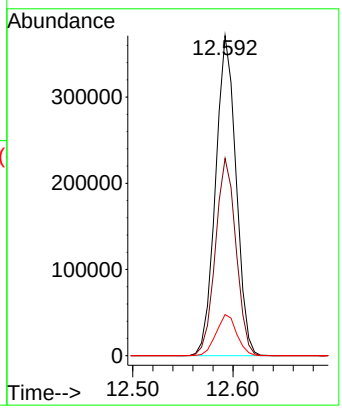


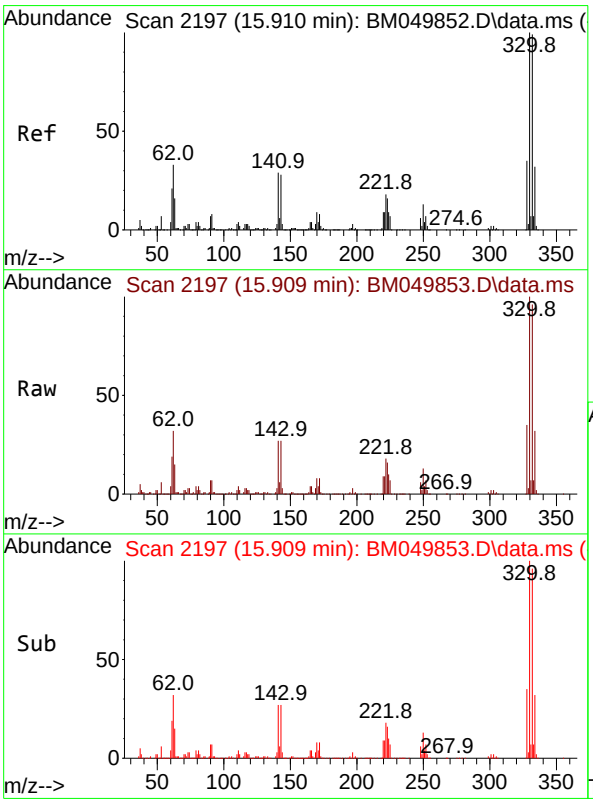
#41
Hexachlorocyclopentadiene
Concen: 53.108 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 526124

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.7	83.7
272	12.8	0.0	33.5

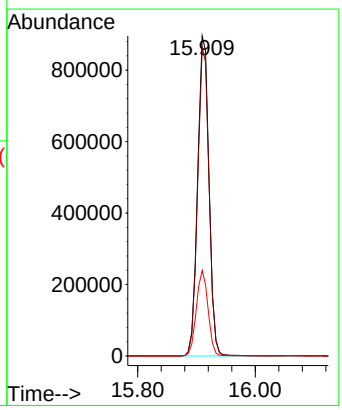


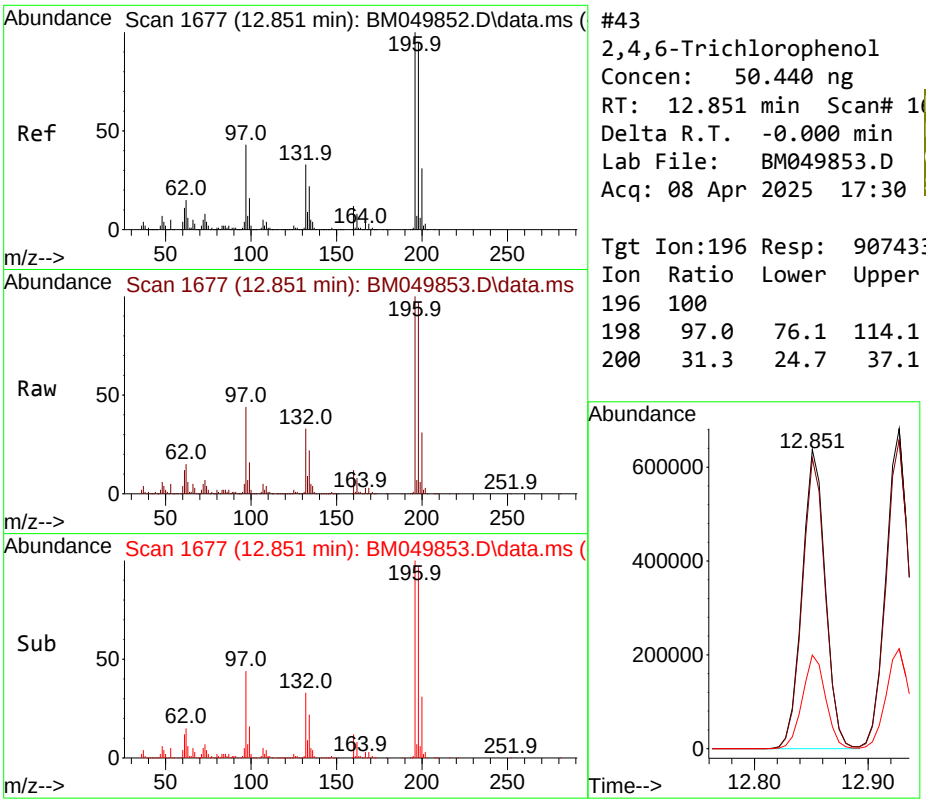


#42
2,4,6-Tribromophenol
Concen: 102.576 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:330 Resp: 1205724

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	27.4	23.5	35.3



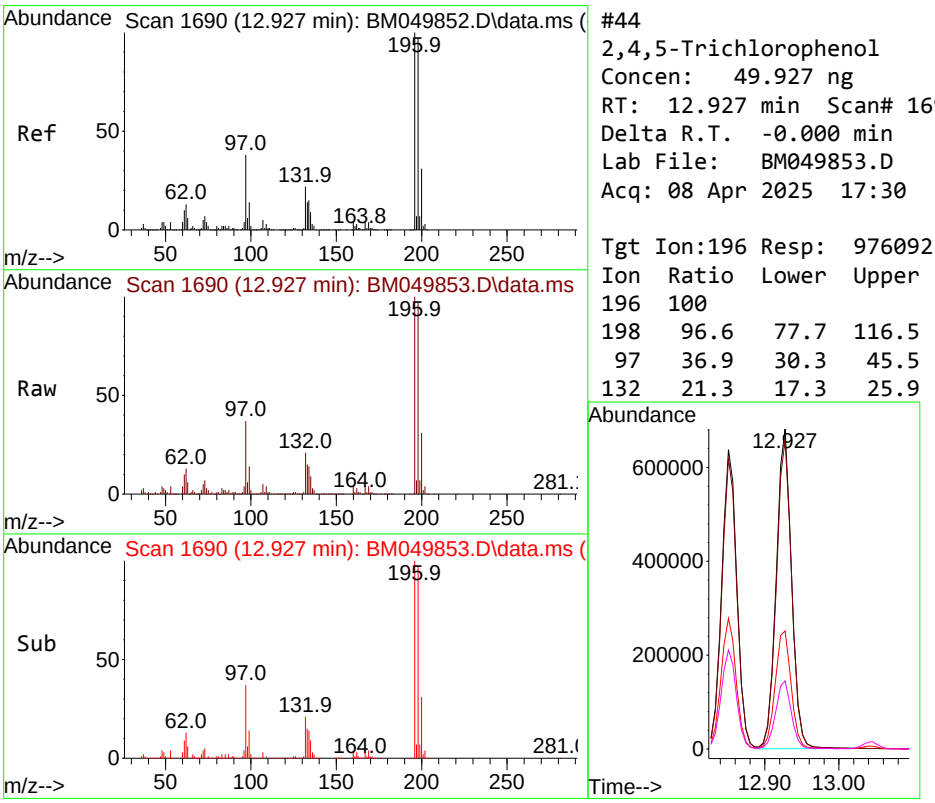


#43
2,4,6-Trichlorophenol
Concen: 50.440 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 907433

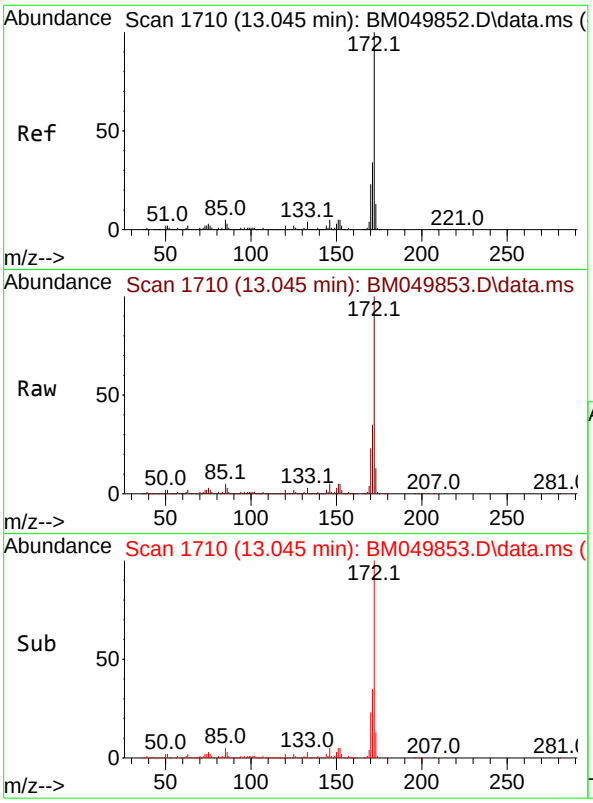
Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.1	114.1
200	31.3	24.7	37.1



#44
2,4,5-Trichlorophenol
Concen: 49.927 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:196 Resp: 976092

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.7	116.5
97	36.9	30.3	45.5
132	21.3	17.3	25.9

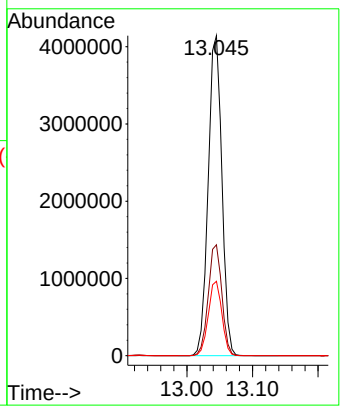


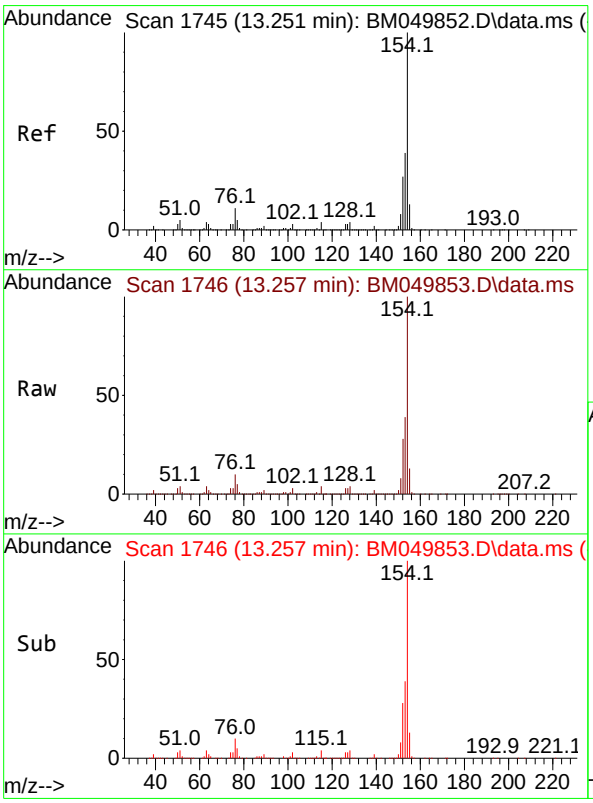
#45
2-Fluorobiphenyl
Concen: 100.754 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 6004539

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.2
170	23.3	18.6	28.0

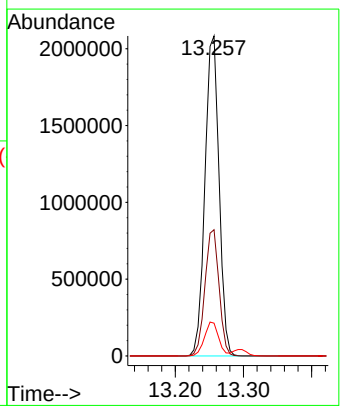


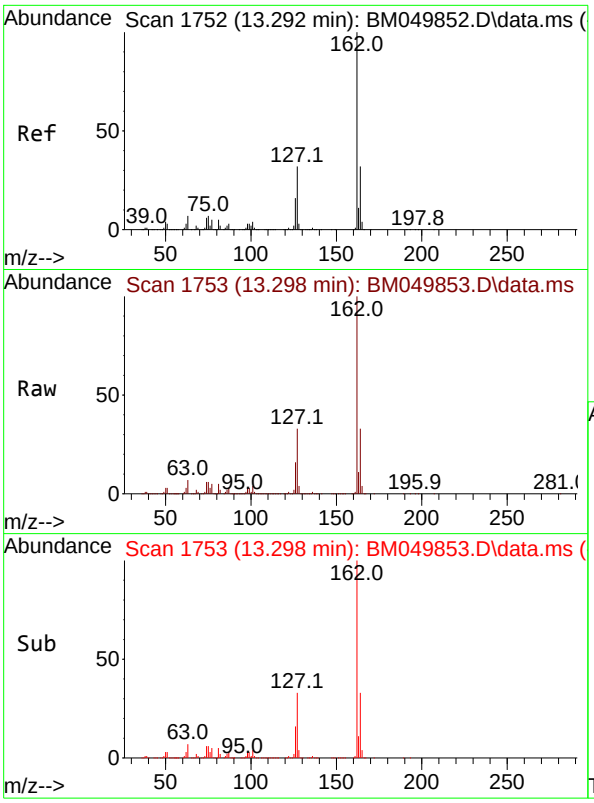


#46
1,1'-Biphenyl
Concen: 49.778 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2990362

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.2	0.0	30.7



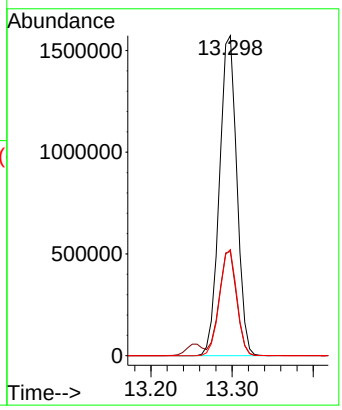


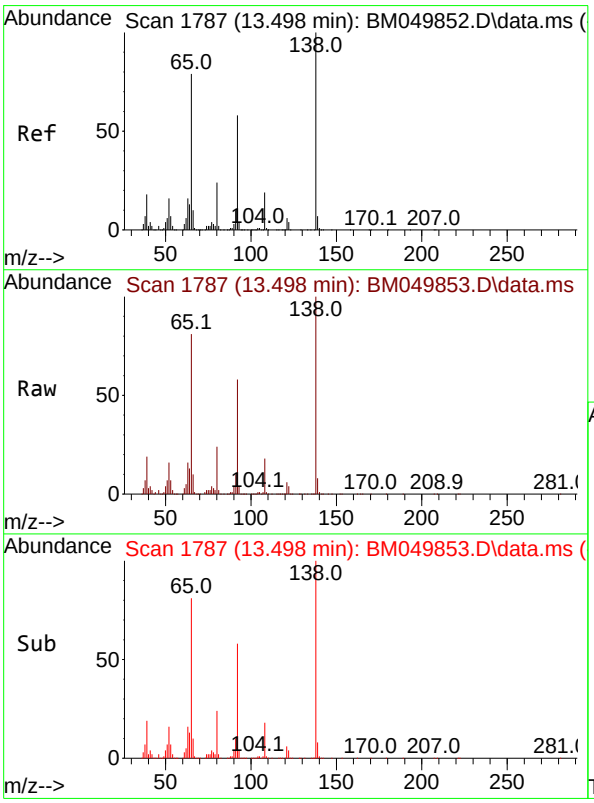
#47
2-Chloronaphthalene
Concen: 49.767 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2349832

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.2	25.9	38.9

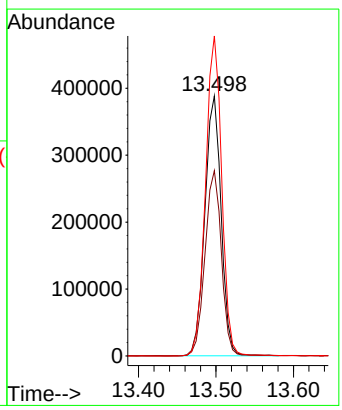


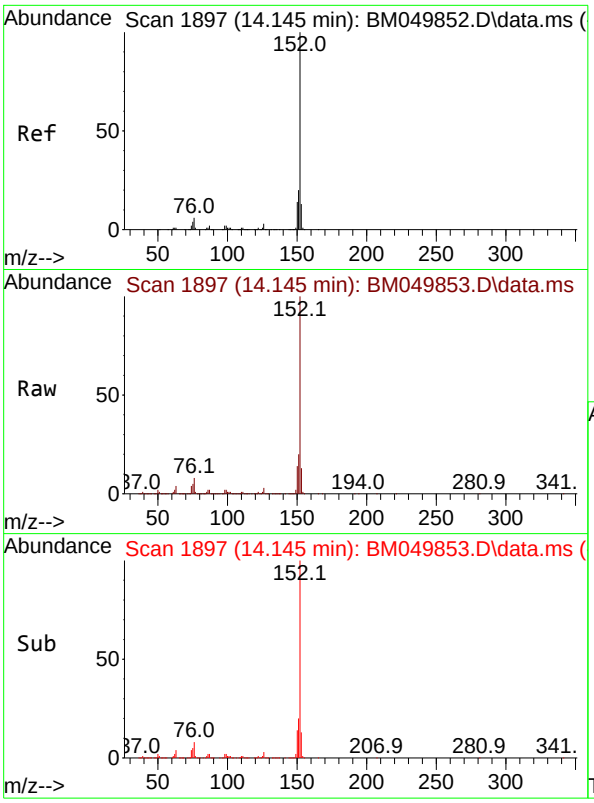


#48
2-Nitroaniline
Concen: 52.061 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 65 Resp: 568681

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	123.1	100.8	151.2



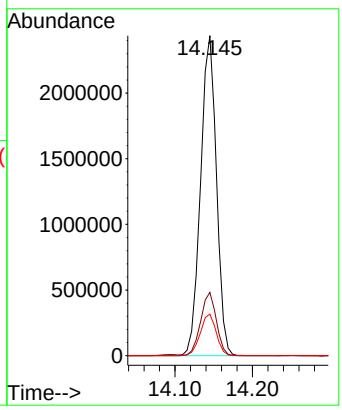


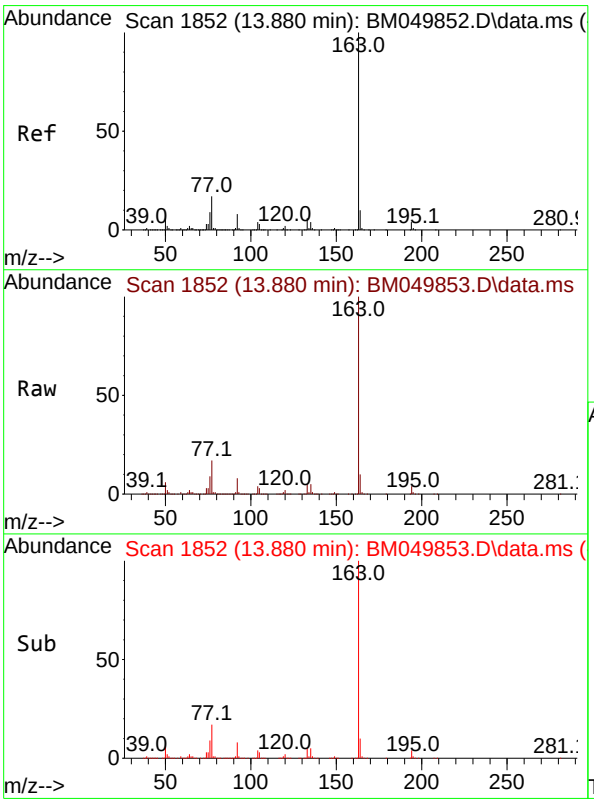
#49
Acenaphthylene
Concen: 50.260 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3456837

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

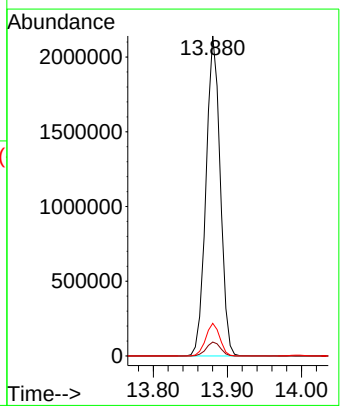


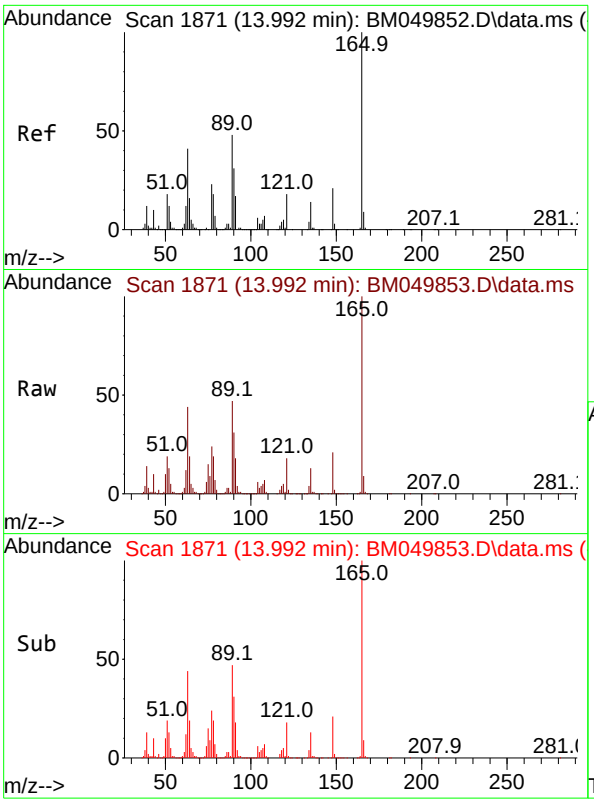


#50
Dimethylphthalate
Concen: 49.993 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:163 Resp: 2850200

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



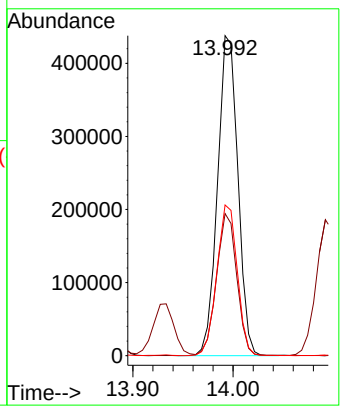


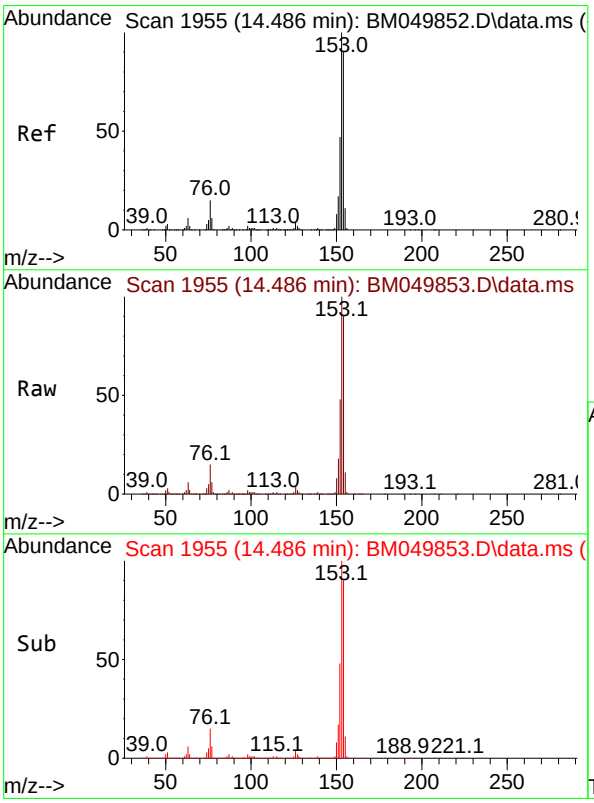
#51
2,6-Dinitrotoluene
Concen: 51.646 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 616905

Ion	Ratio	Lower	Upper
165	100		
63	44.4	36.1	54.1
89	47.1	38.3	57.5

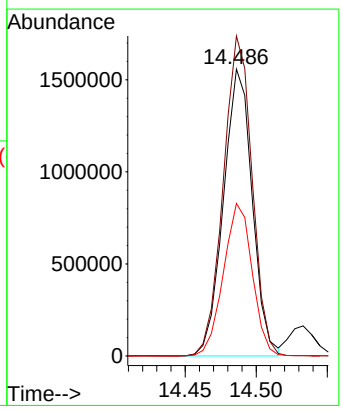


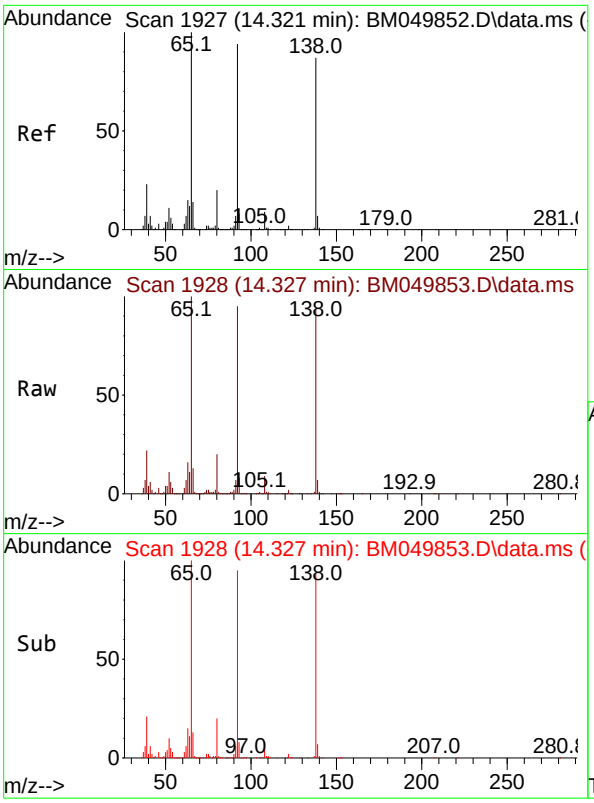


#52
Acenaphthene
Concen: 50.284 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2199854

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	53.2	42.2	63.2



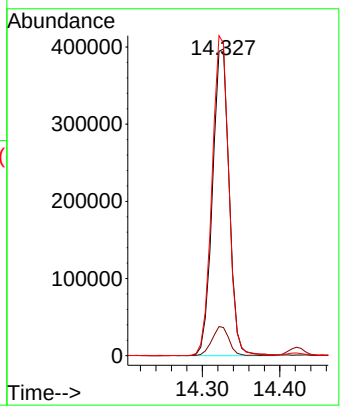


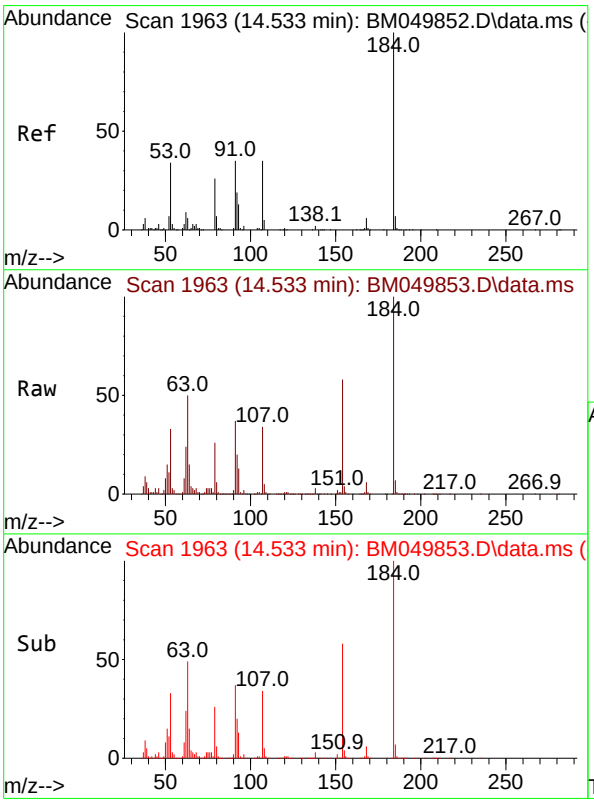
#53
3-Nitroaniline
Concen: 51.595 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 595646

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.1	12.1
92	101.9	86.5	129.7

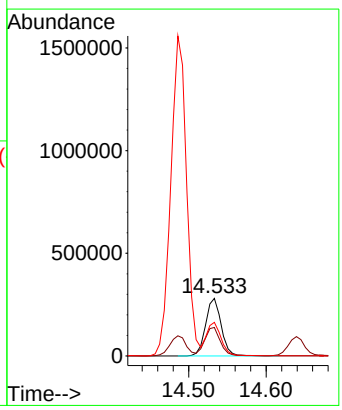


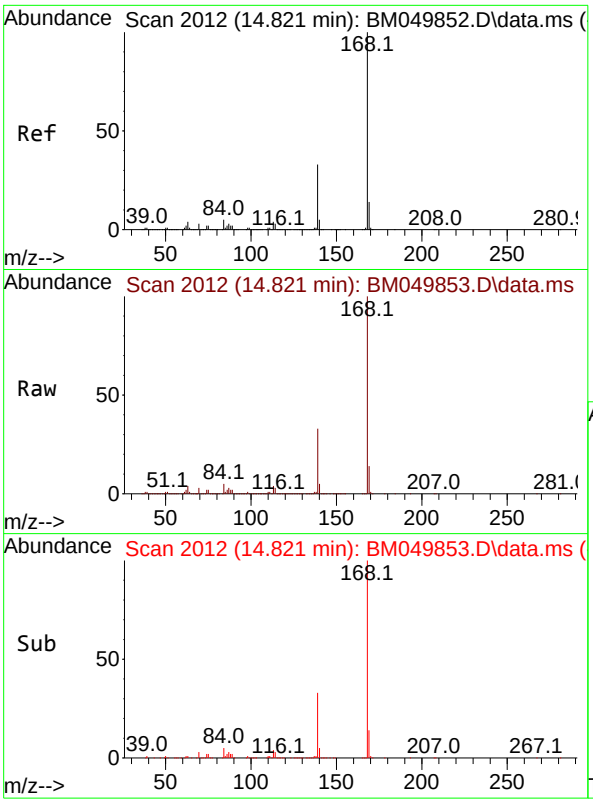


#54
2,4-Dinitrophenol
Concen: 48.434 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:184 Resp: 391855

Ion	Ratio	Lower	Upper
184	100		
63	49.5	38.4	57.6
154	58.3	48.1	72.1



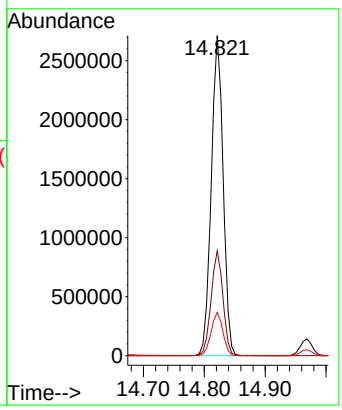


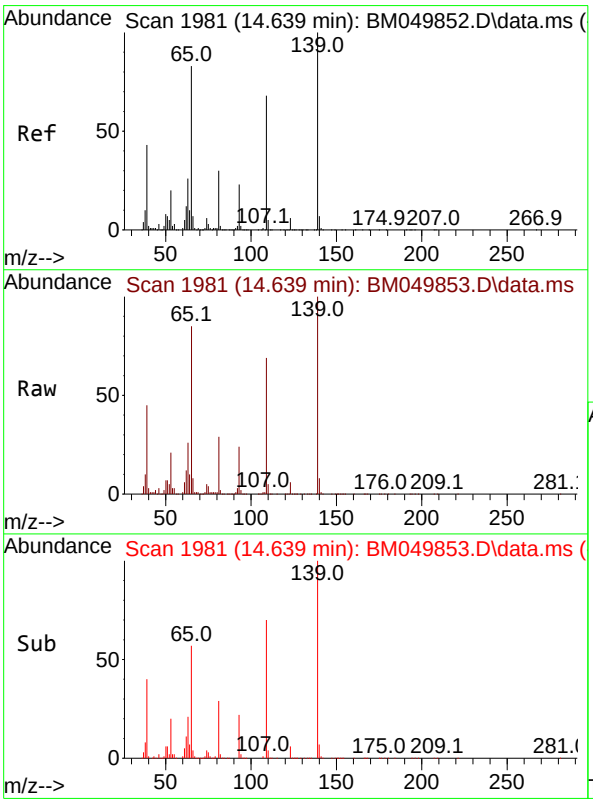
#55
Dibenzofuran
Concen: 50.151 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3667823

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.6	39.8
169	13.5	11.0	16.4

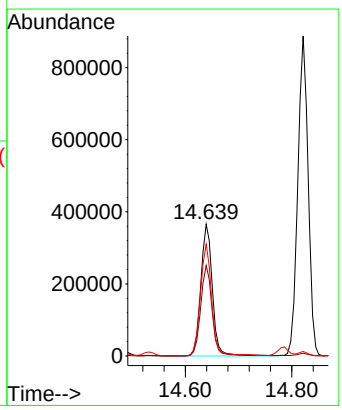


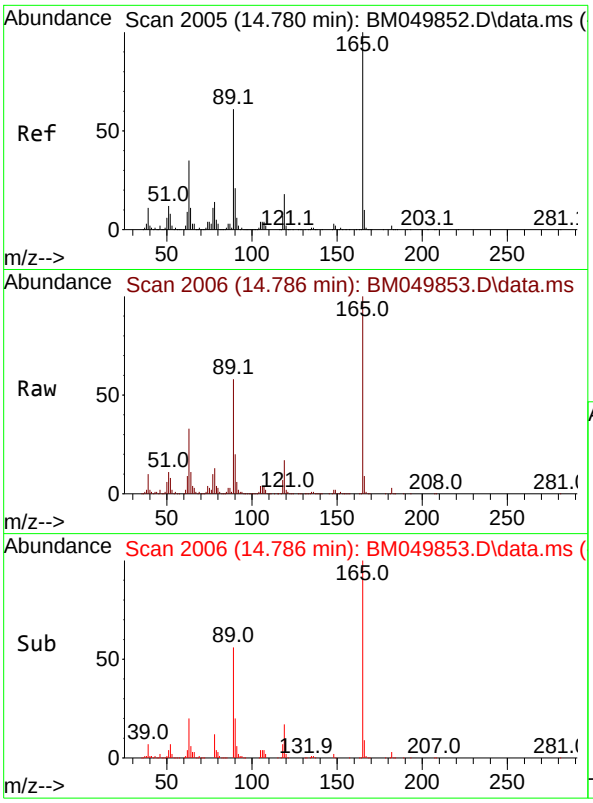


#56
4-Nitrophenol
Concen: 53.540 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 550813

Ion	Ratio	Lower	Upper
139	100		
109	68.6	47.9	87.9
65	84.8	62.7	102.7



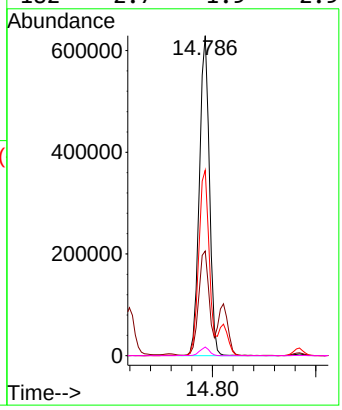


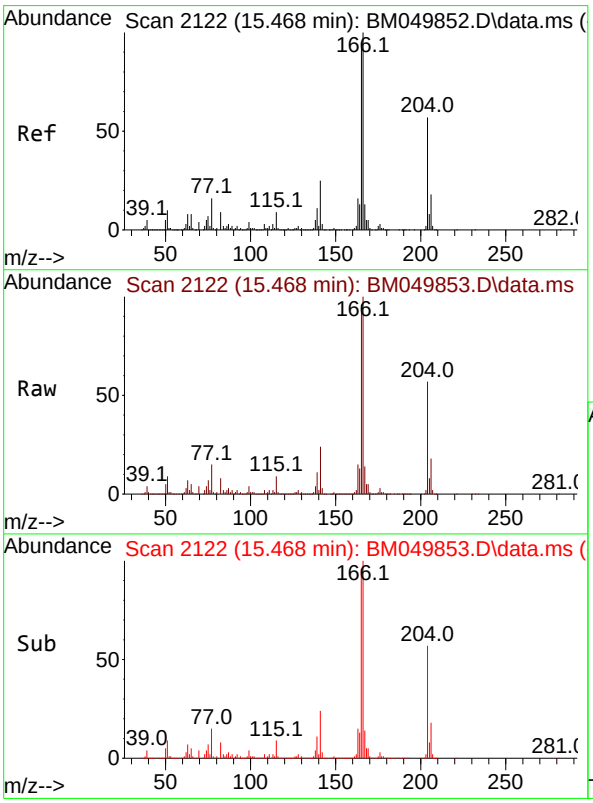
#57
2,4-Dinitrotoluene
Concen: 53.211 ng
RT: 14.786 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 847929

Ion	Ratio	Lower	Upper
165	100		
63	32.7	28.6	42.8
89	57.9	49.0	73.6
182	2.7	1.9	2.9

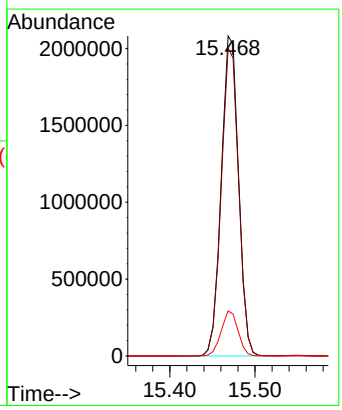


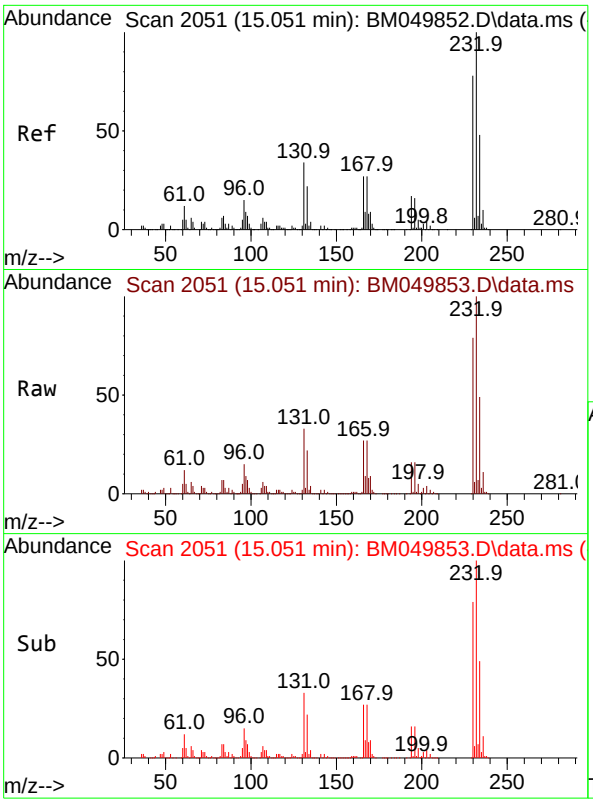


#58
Fluorene
Concen: 50.613 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:166 Resp: 2942325

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.3	114.5
167	14.0	10.7	16.1



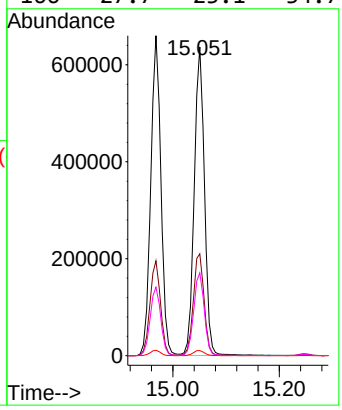


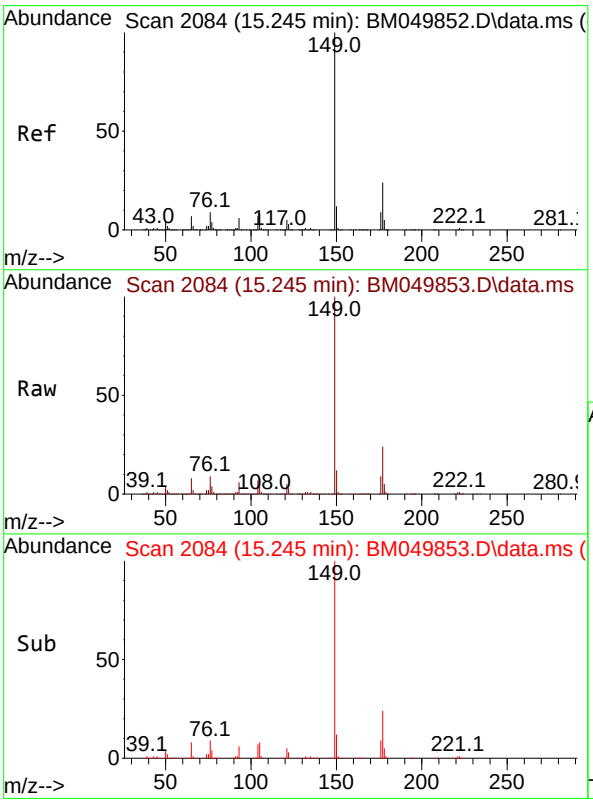
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.519 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 848529

Ion	Ratio	Lower	Upper
232	100		
131	34.7	28.4	42.6
130	1.8	1.6	2.4
166	27.7	23.1	34.7

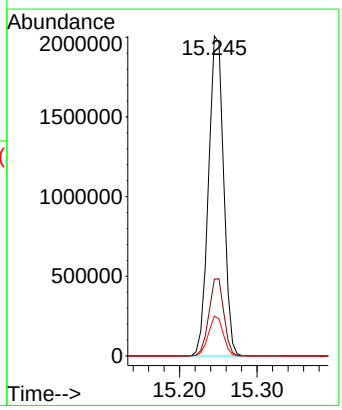


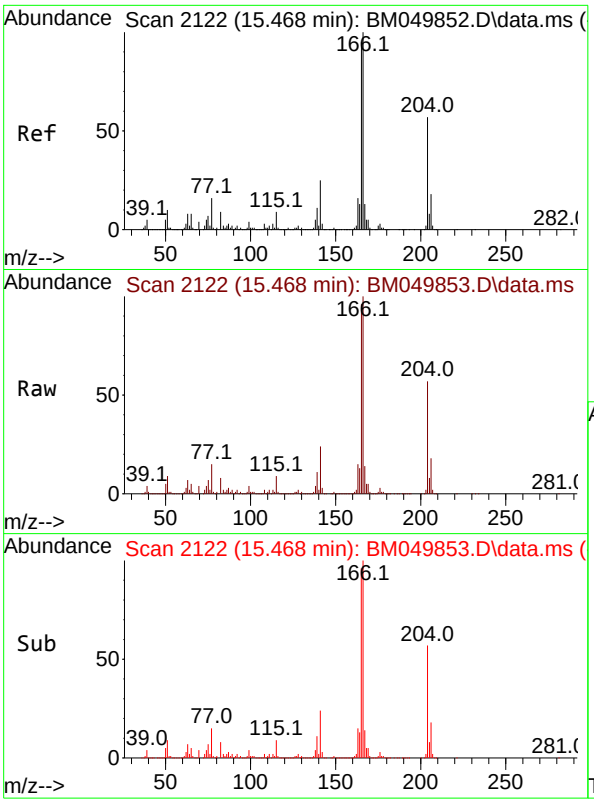


#60
Diethylphthalate
Concen: 49.792 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2722291

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.5	9.7	14.5



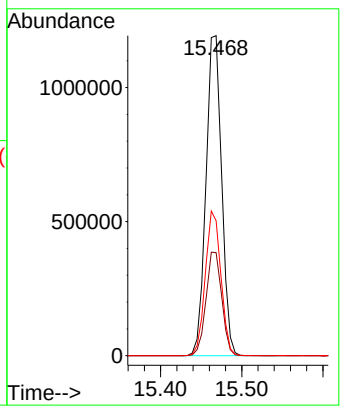


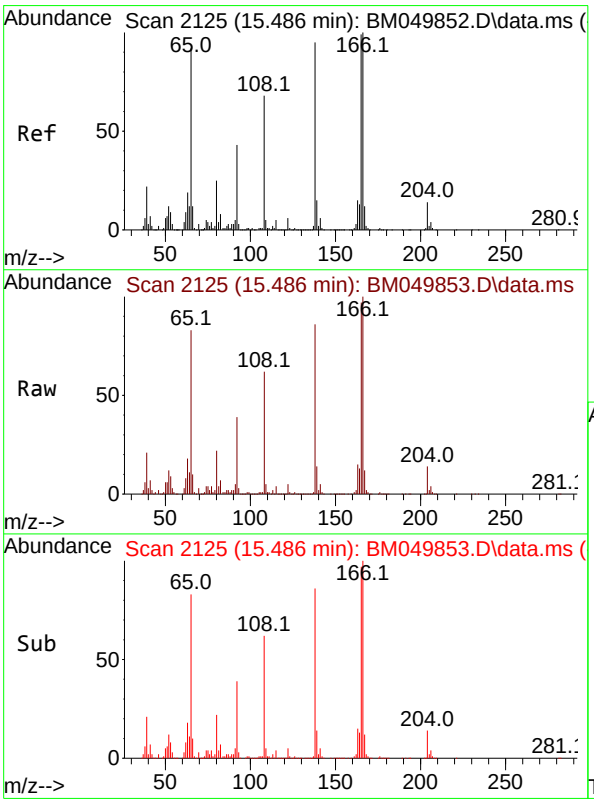
#61
4-Chlorophenyl-phenylether
Concen: 51.296 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1598783

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	42.2	35.0	52.6

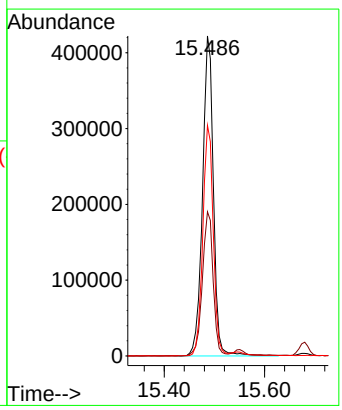


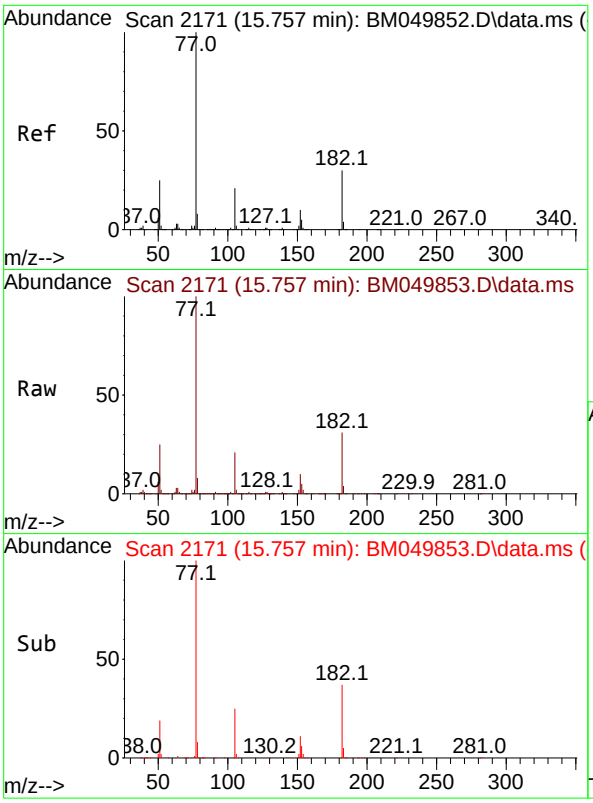


#62
4-Nitroaniline
Concen: 53.470 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:138 Resp: 638370

Ion	Ratio	Lower	Upper
138	100		
92	45.1	24.9	64.9
108	72.1	51.7	91.7



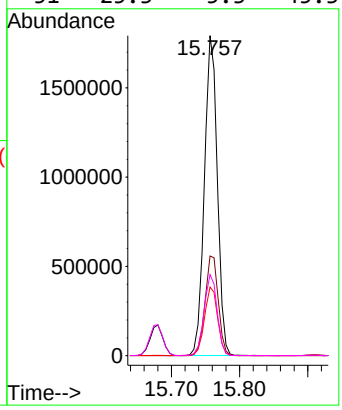


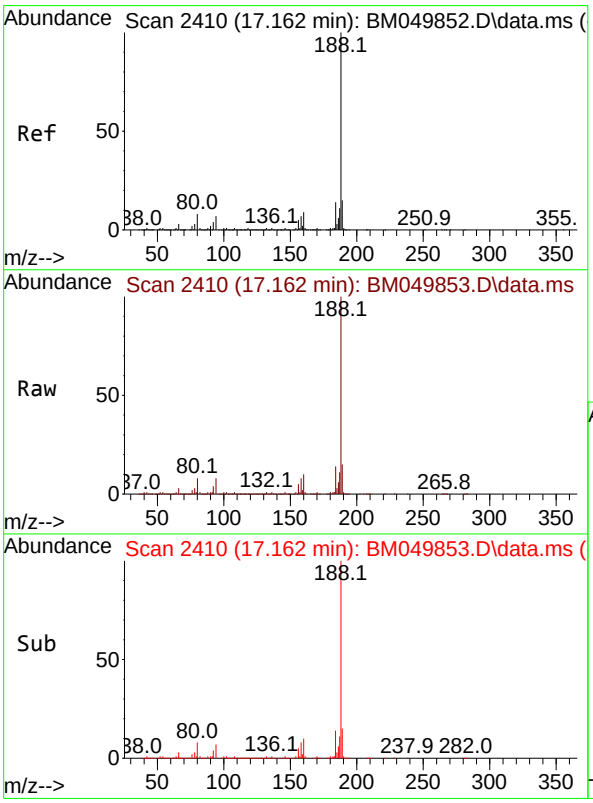
#63
Azobenzene
Concen: 50.372 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2357839

Ion	Ratio	Lower	Upper
77	100		
182	31.2	10.4	50.4
105	21.4	1.5	41.5
51	25.3	5.3	45.3

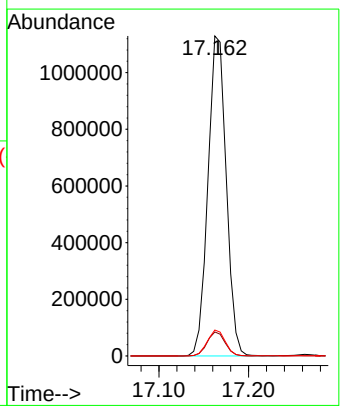


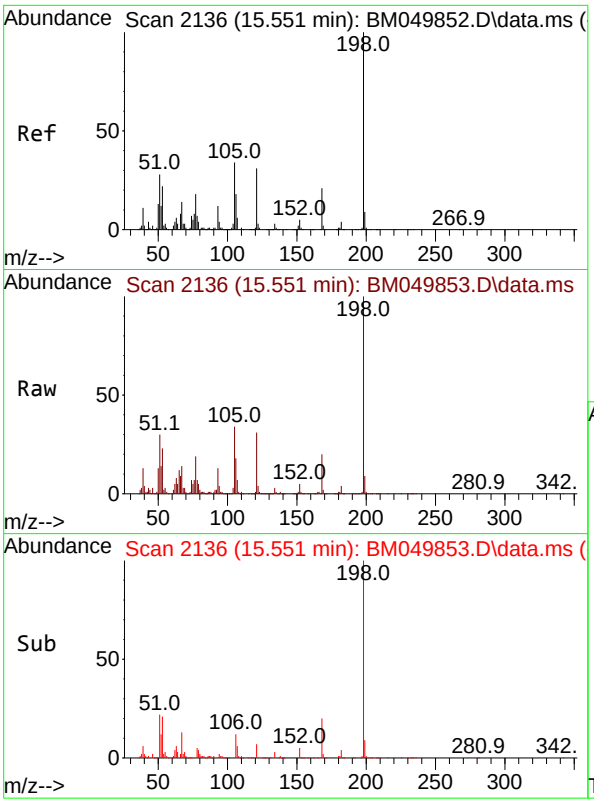


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:188 Resp: 1599813

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.1	6.4	9.6



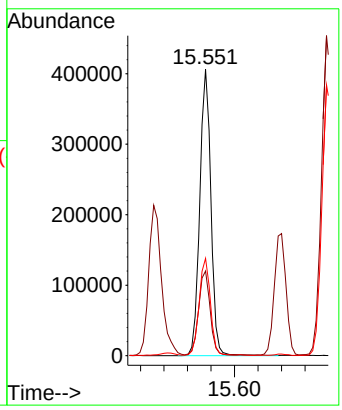


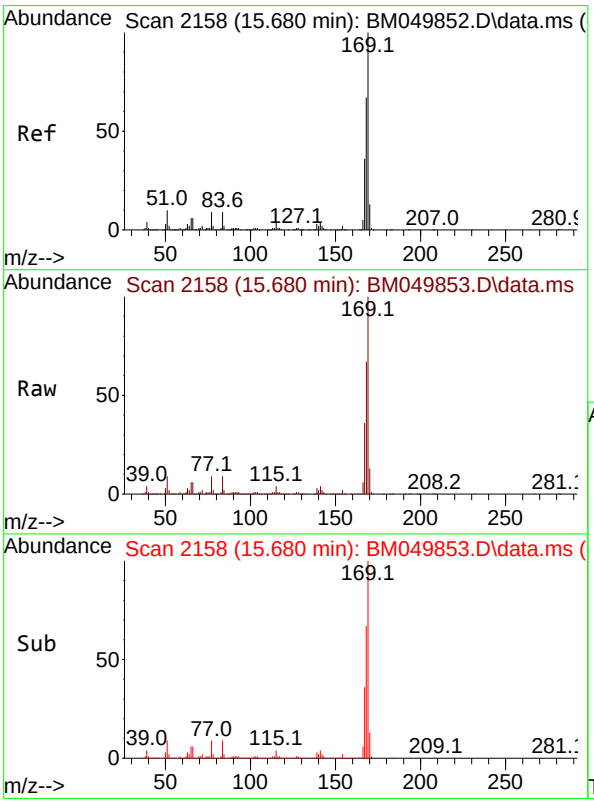
#65
4,6-Dinitro-2-methylphenol
Concen: 52.759 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 531880

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.0	14.7	54.7

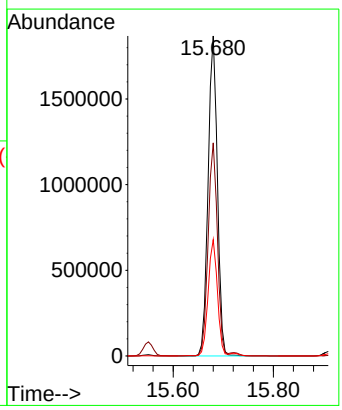


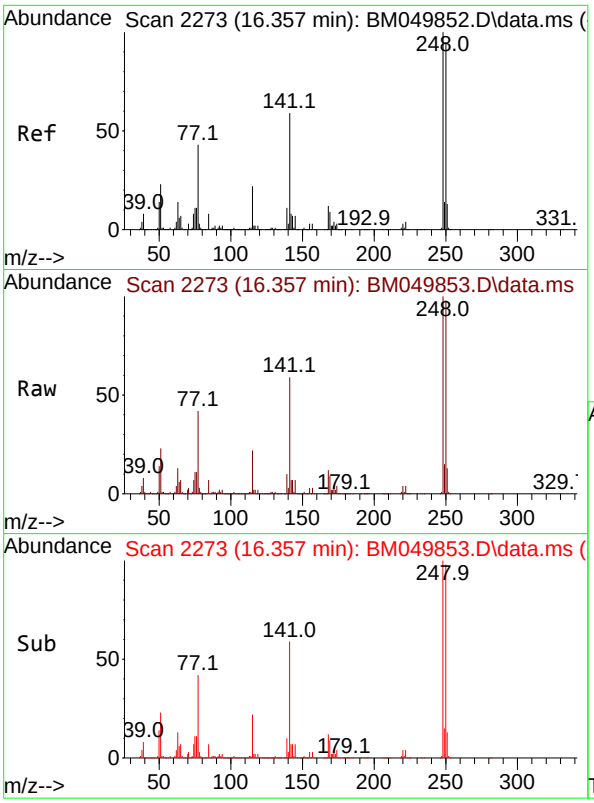


#66
n-Nitrosodiphenylamine
Concen: 50.273 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:169 Resp: 2406908

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.4	29.0	43.6



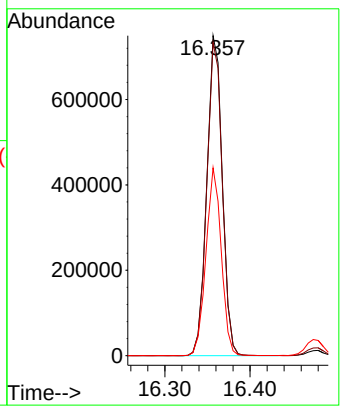


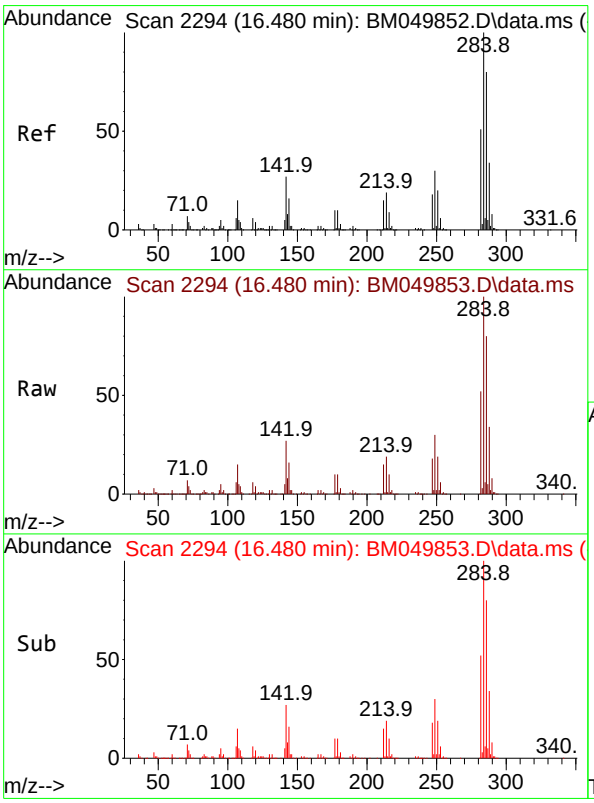
#67
4-Bromophenyl-phenylether
Concen: 50.970 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 946616

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	58.7	47.3	70.9

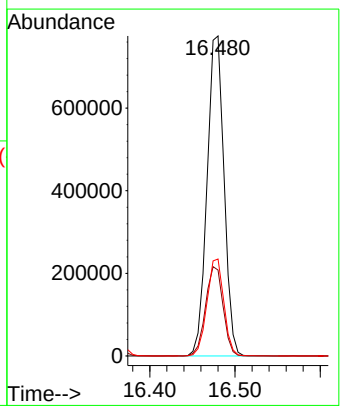


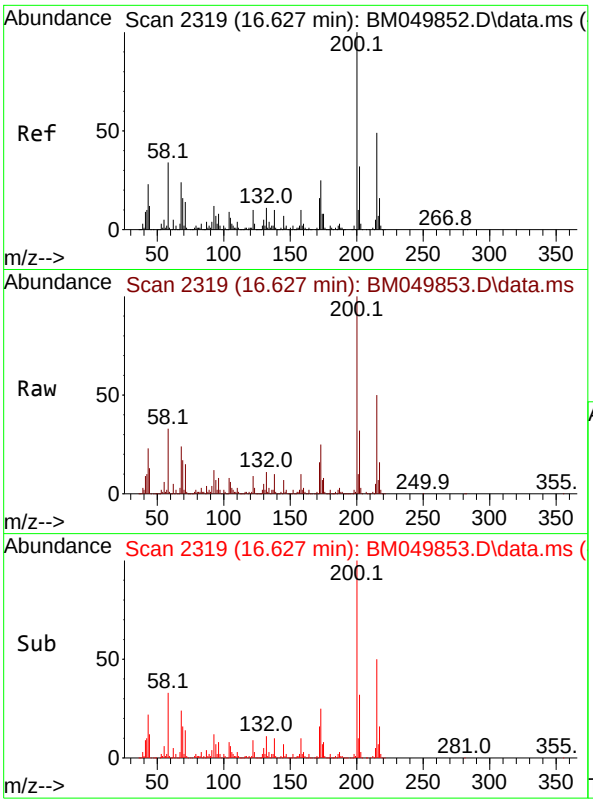


#68
Hexachlorobenzene
Concen: 50.357 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:284 Resp: 1072736

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.2	31.8
249	30.3	24.1	36.1



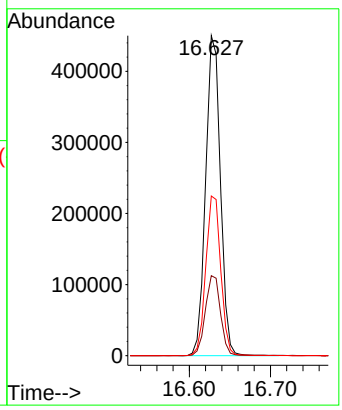


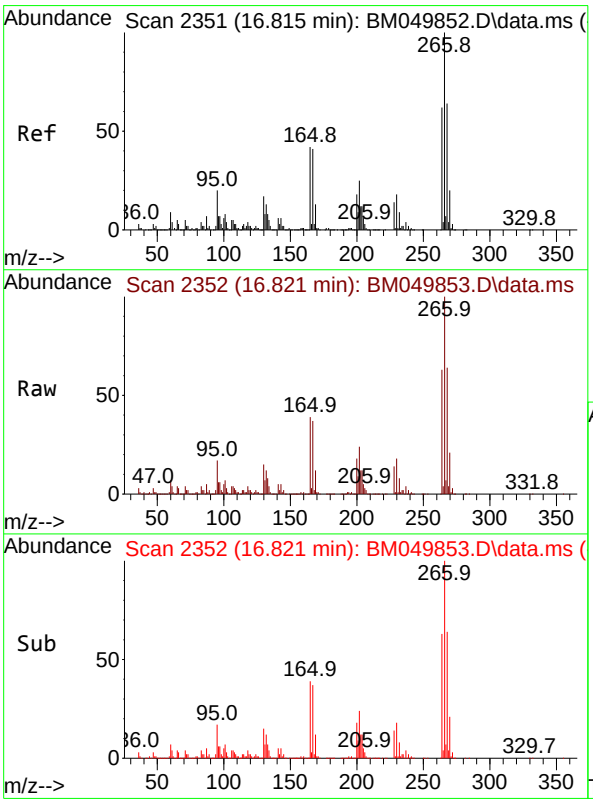
#69
Atrazine
Concen: 45.708 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 567392

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.4	45.4
215	49.9	29.0	69.0

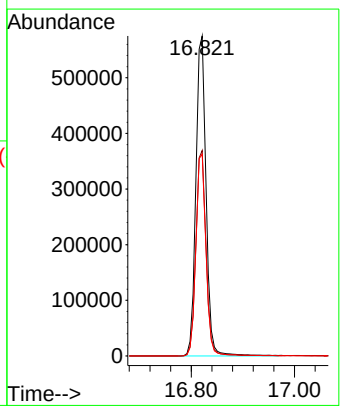


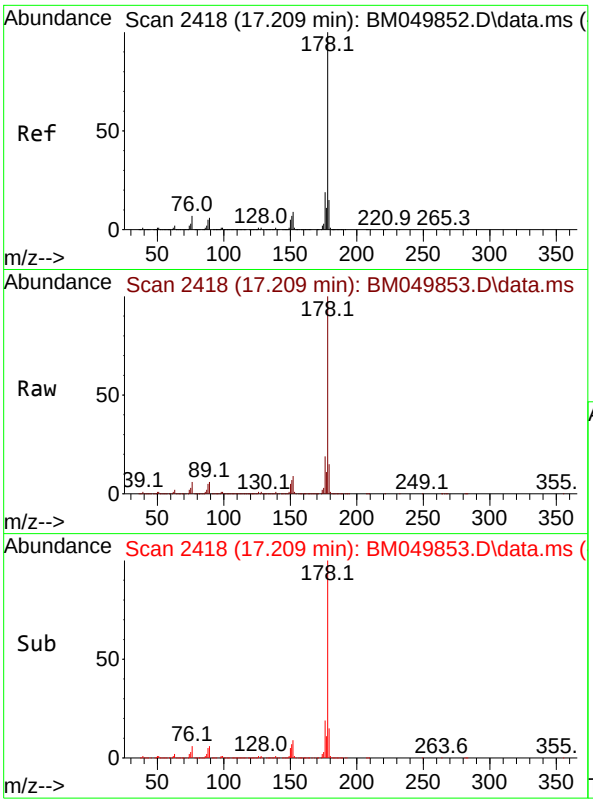


#70
Pentachlorophenol
Concen: 50.132 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:266 Resp: 786228

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	63.0	49.8	74.8



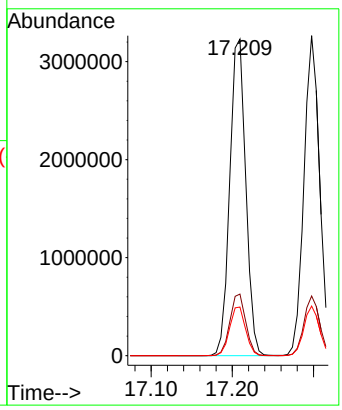


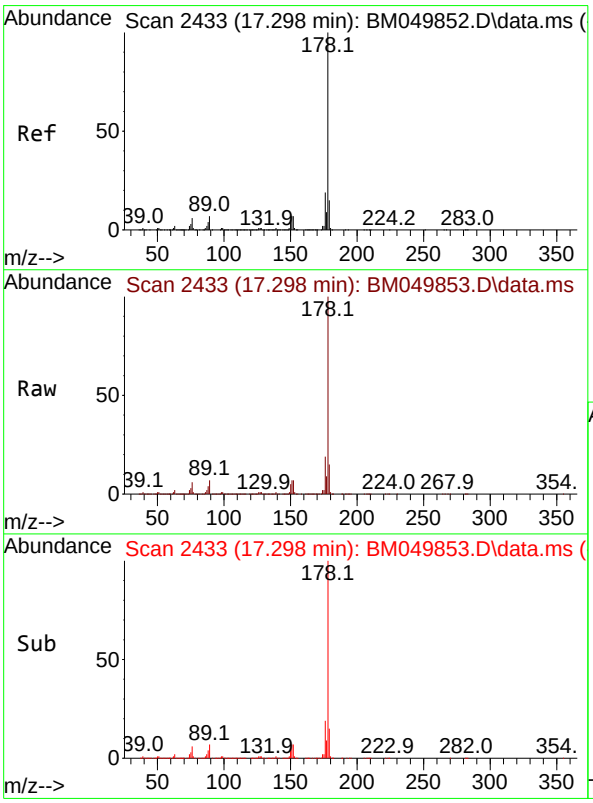
#71
Phenanthrene
Concen: 50.352 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4416317

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.3	18.5

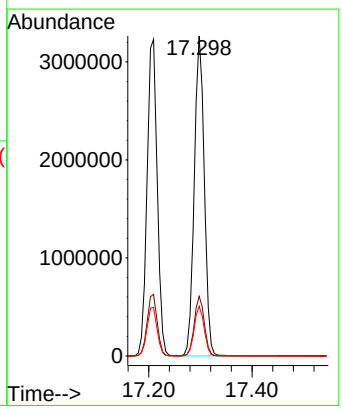


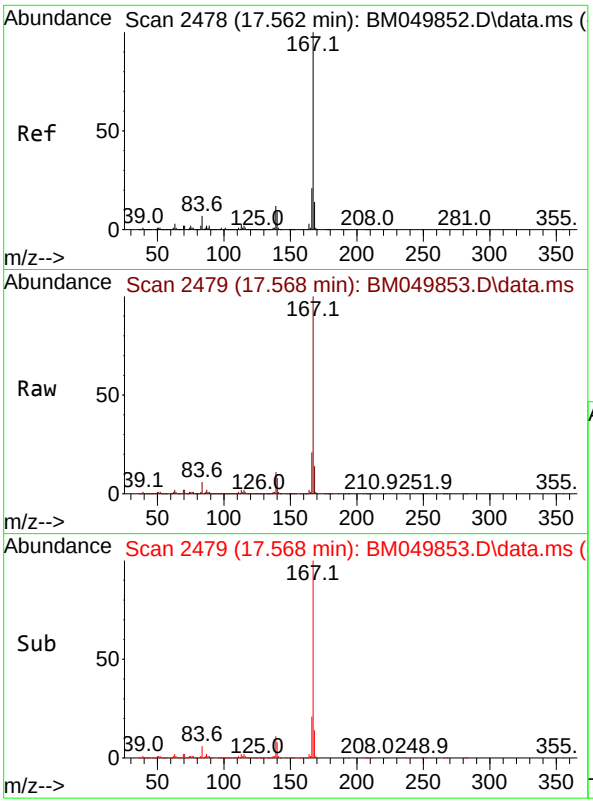


#72
Anthracene
Concen: 50.841 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:178 Resp: 4394410

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.5	12.4	18.6



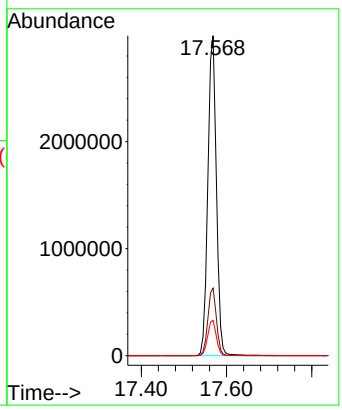


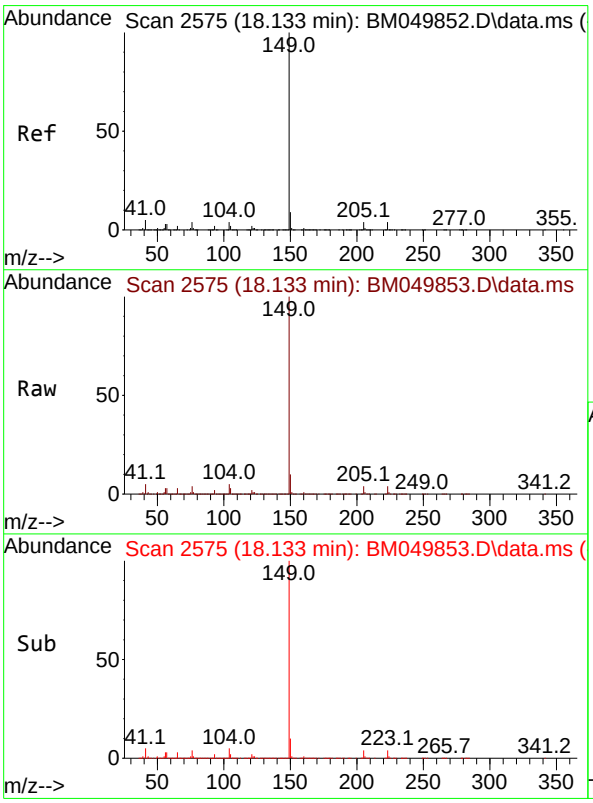
#73
Carbazole
Concen: 50.973 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4149752

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

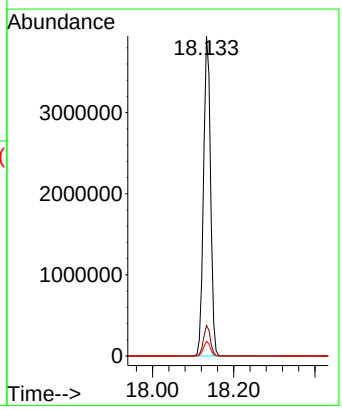


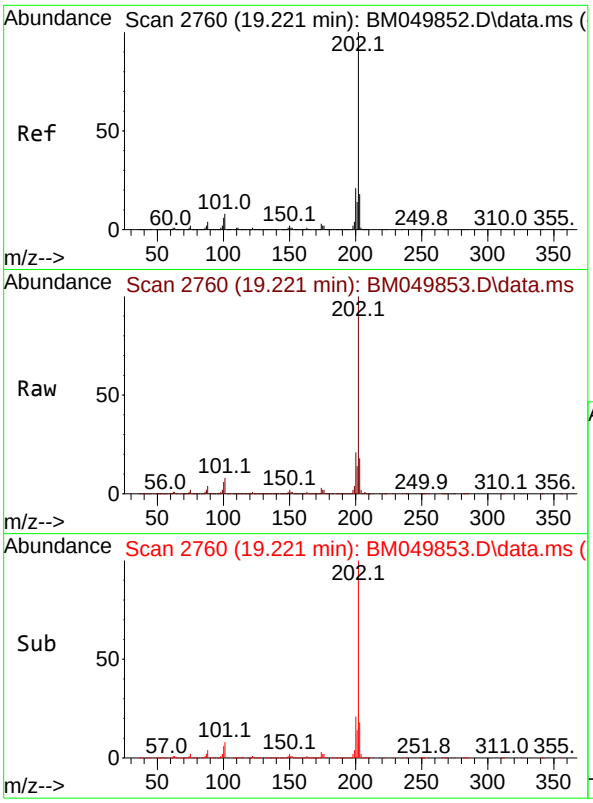


#74
Di-n-butylphthalate
Concen: 50.149 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 4702392

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.5	5.3



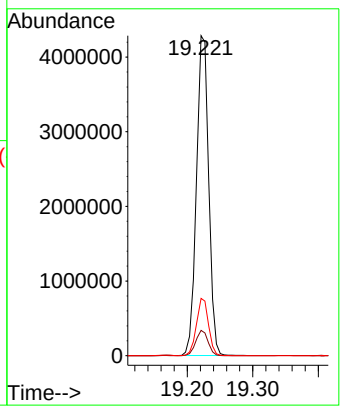


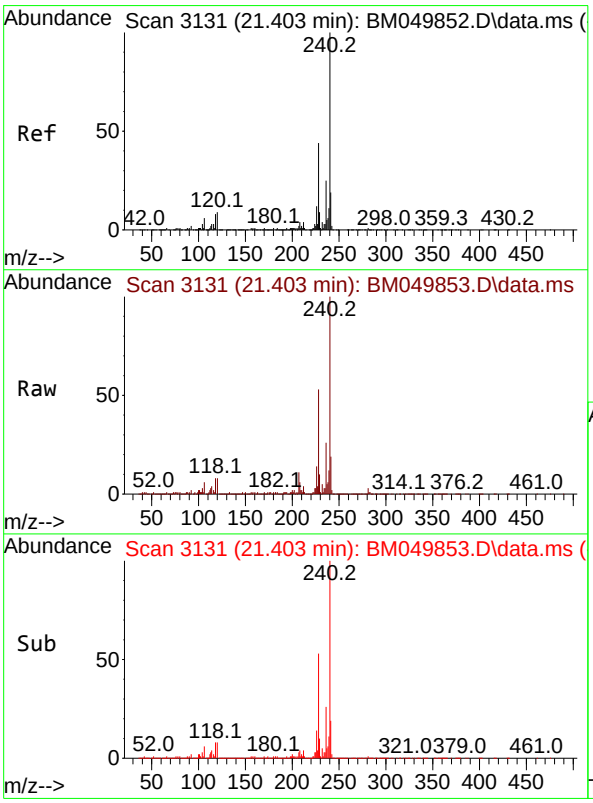
#75
Fluoranthene
Concen: 51.729 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5578449

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.9	0.0	37.8

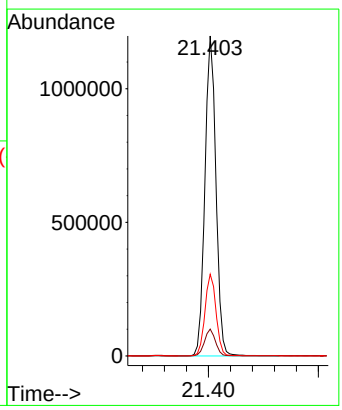


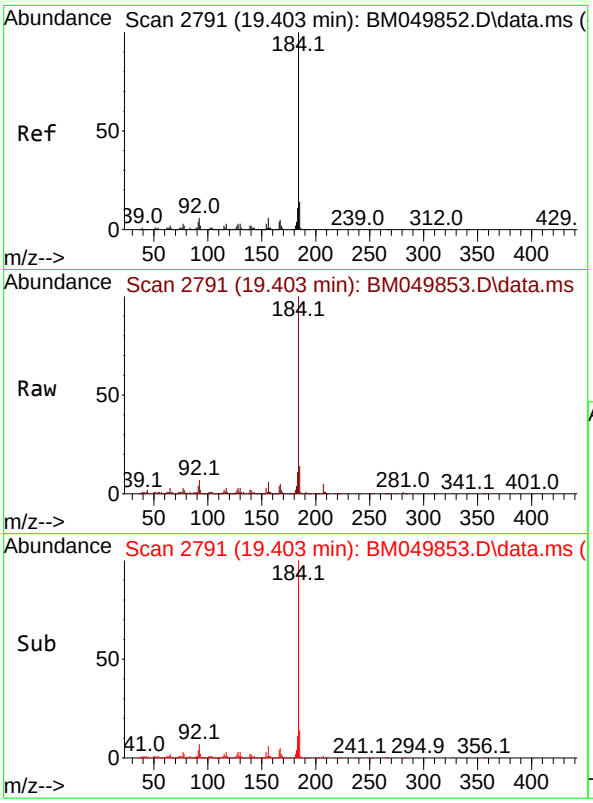


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:240 Resp: 1661195

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.6	20.4	30.6



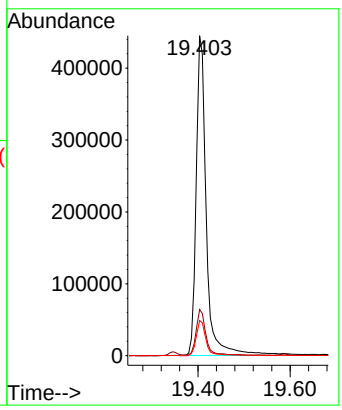


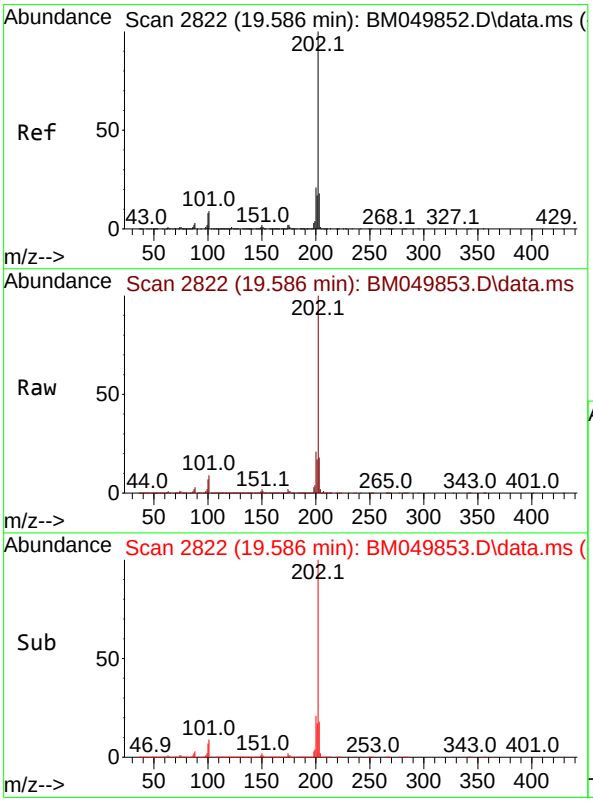
#77
Benzidine
Concen: 30.737 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 677381

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.0	8.8	13.2

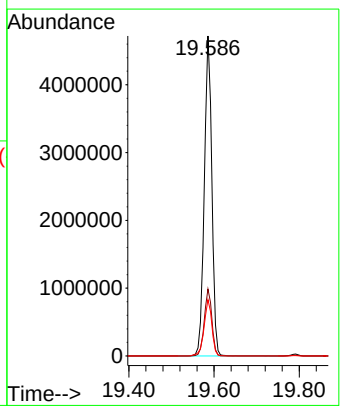


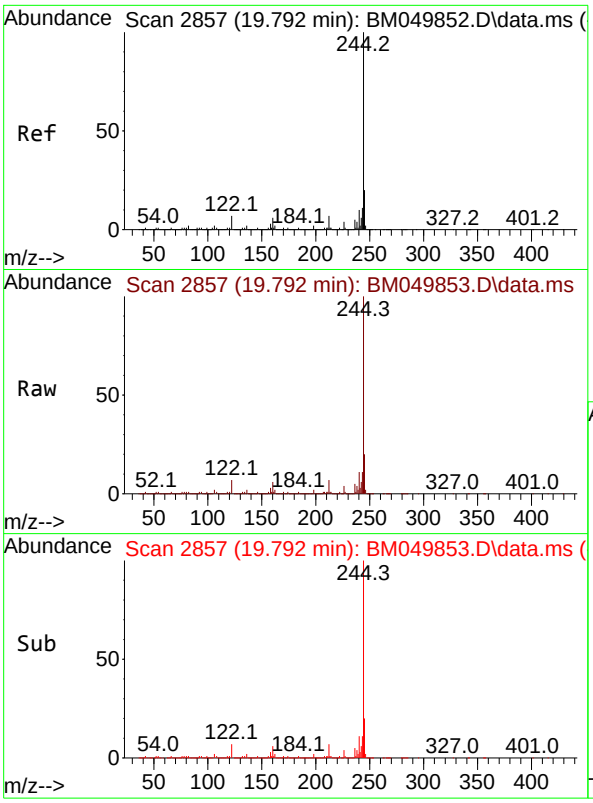


#78
Pyrene
Concen: 50.533 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:202 Resp: 5785386

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.6	14.0	21.0



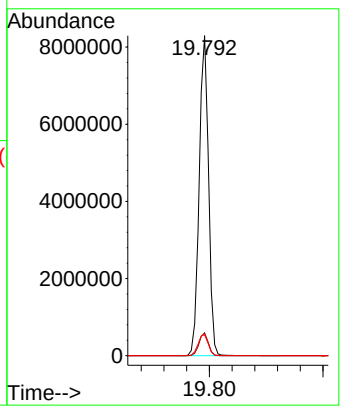


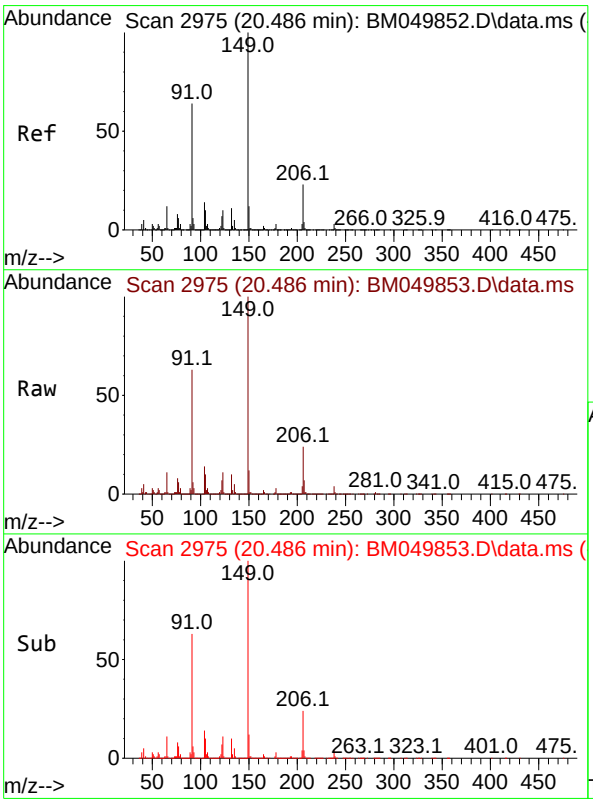
#79
Terphenyl-d14
Concen: 106.980 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 9482895

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.5	5.4	8.0

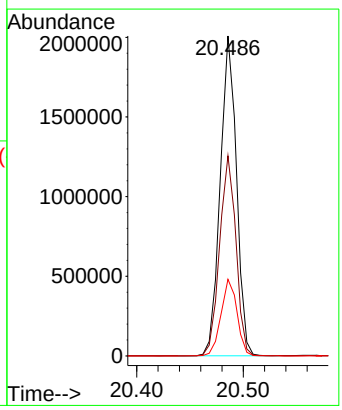


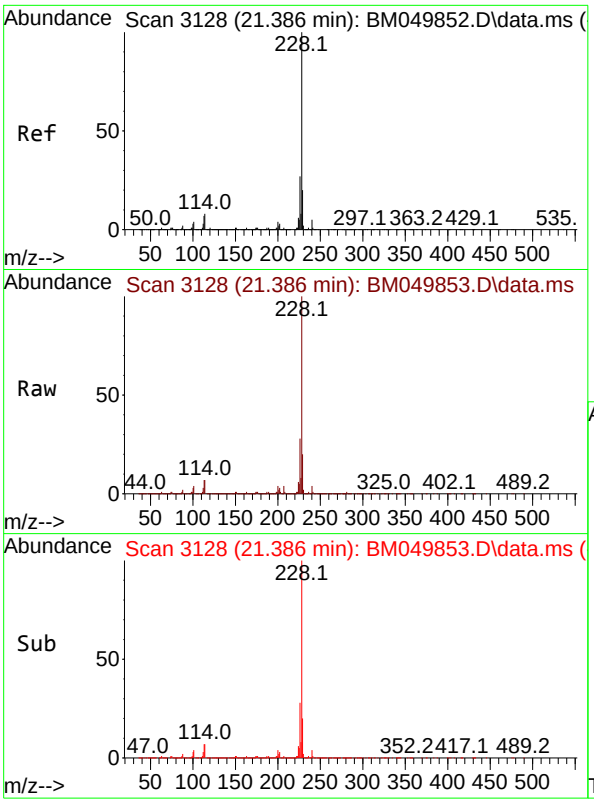


#80
Butylbenzylphthalate
Concen: 49.311 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2121299

Ion	Ratio	Lower	Upper
149	100		
91	62.5	50.9	76.3
206	23.9	18.4	27.6



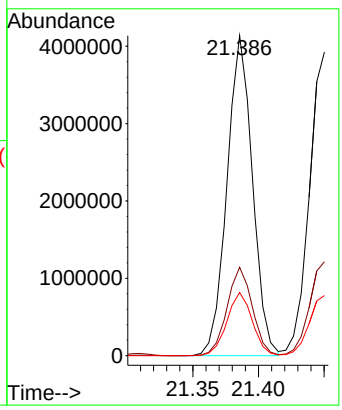


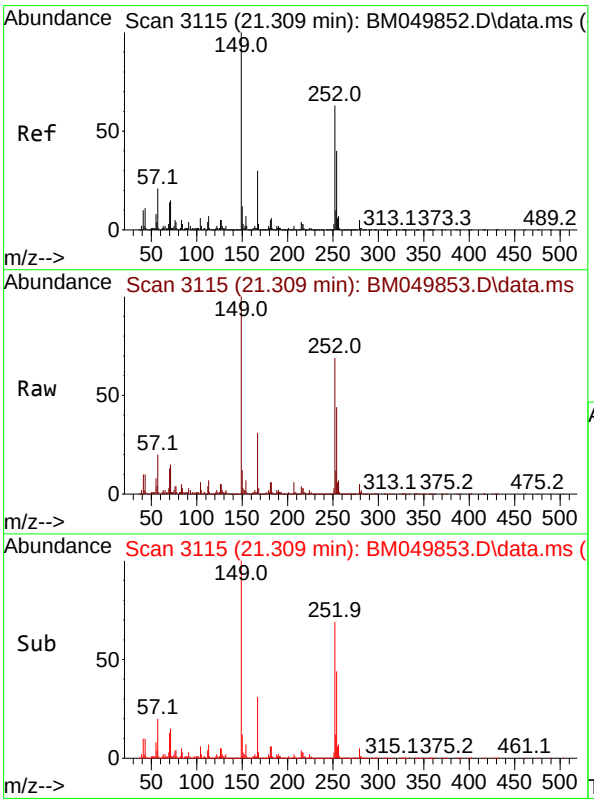
#81
Benzo(a)anthracene
Concen: 50.600 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5586396

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.8	15.8	23.8

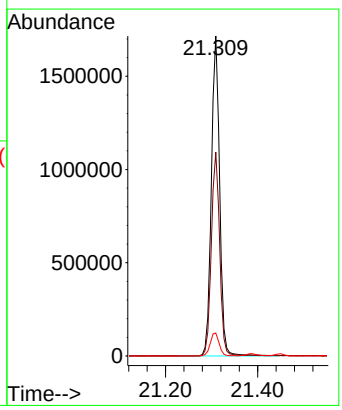


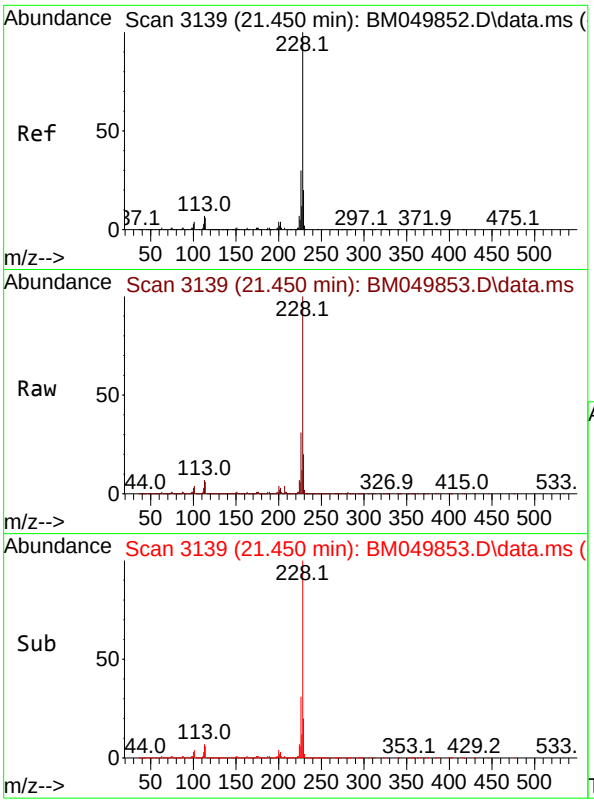


#82
3,3'-Dichlorobenzidine
Concen: 51.399 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 2142953

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	7.1	6.3	9.5



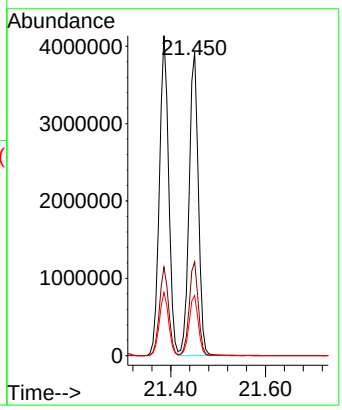


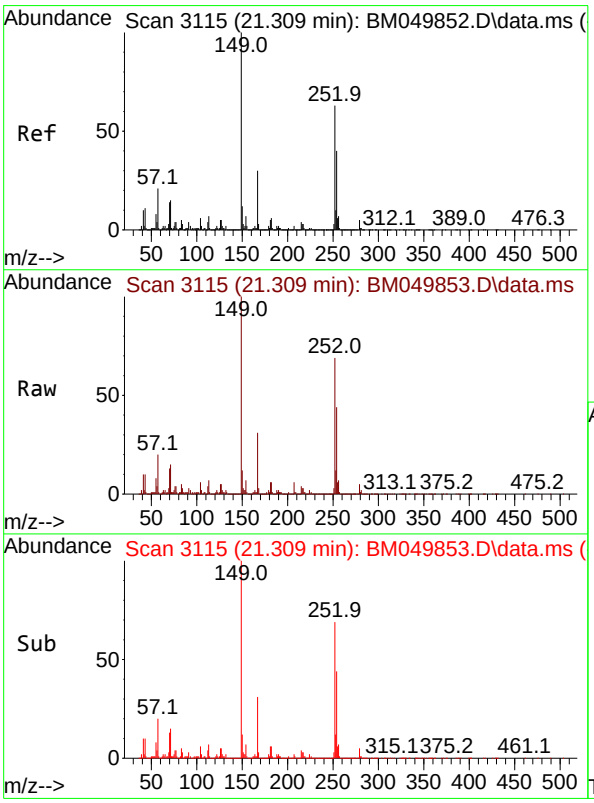
#83
Chrysene
Concen: 50.547 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5305401

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.8	15.8	23.6

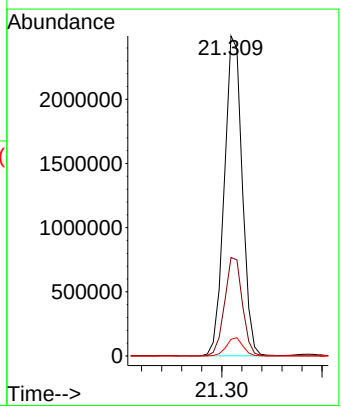


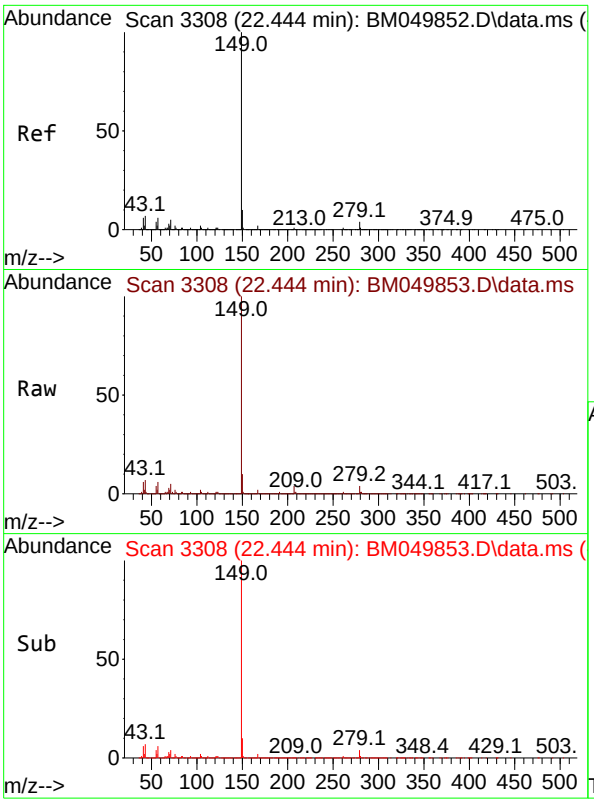


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.035 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 3073374

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.8	35.6
279	5.2	3.8	5.8



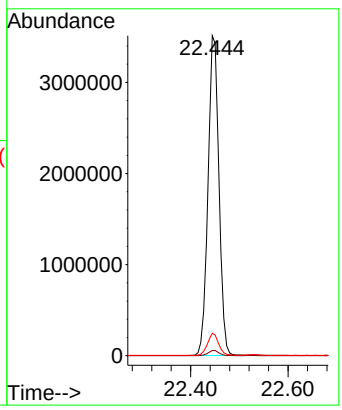


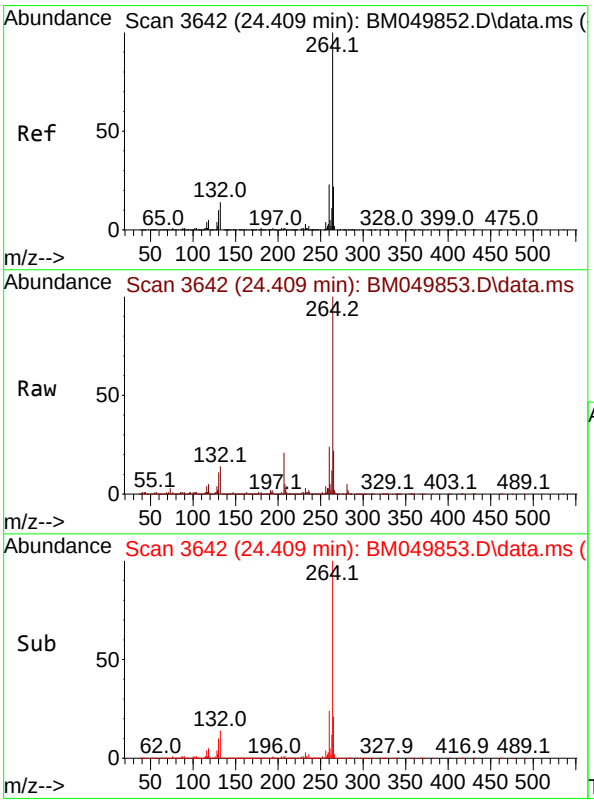
#85
Di-n-octyl phthalate
Concen: 49.516 ng
RT: 22.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5429342

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

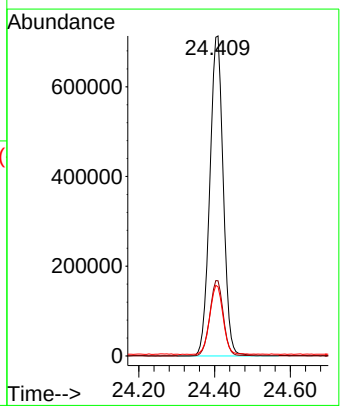


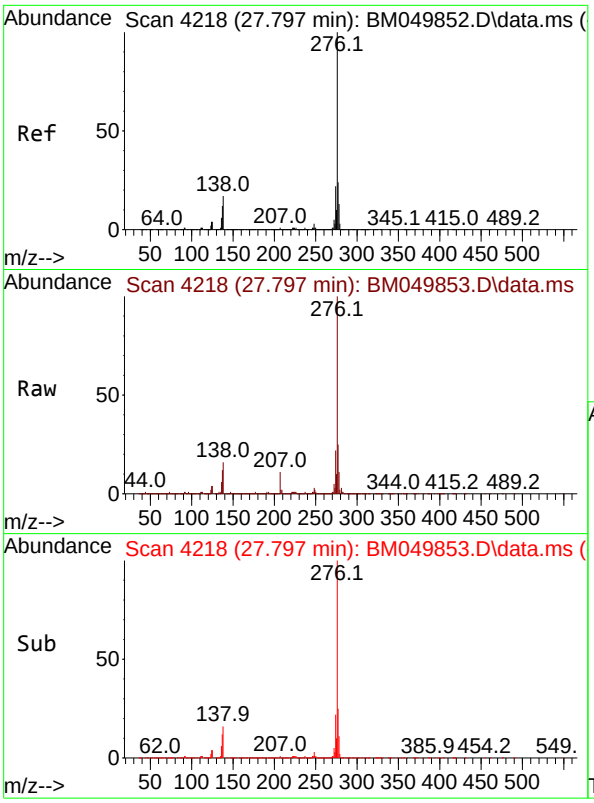


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:264 Resp: 1751474

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.6	17.8	26.8



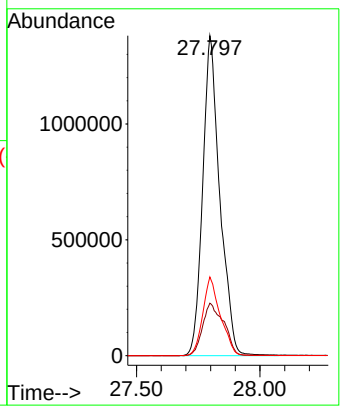


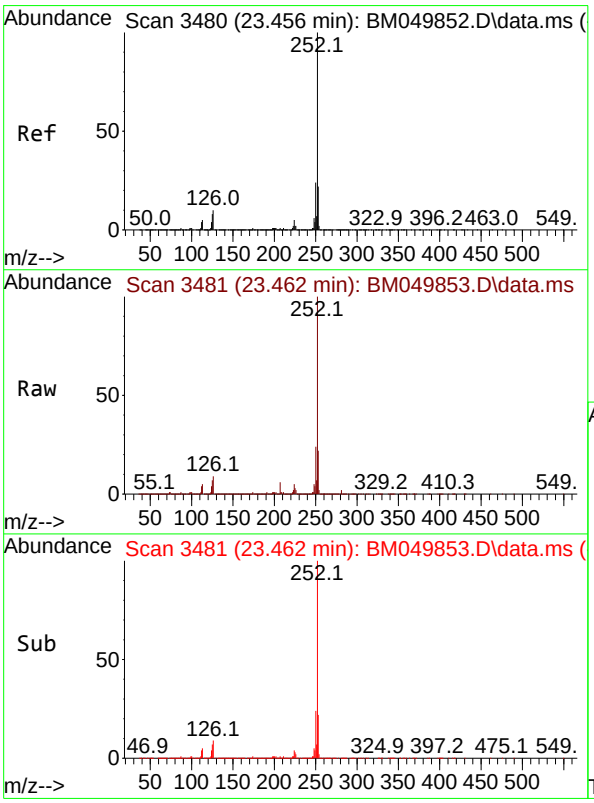
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 6670738

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.2	20.1	30.1

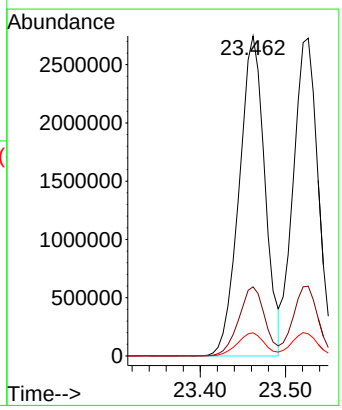


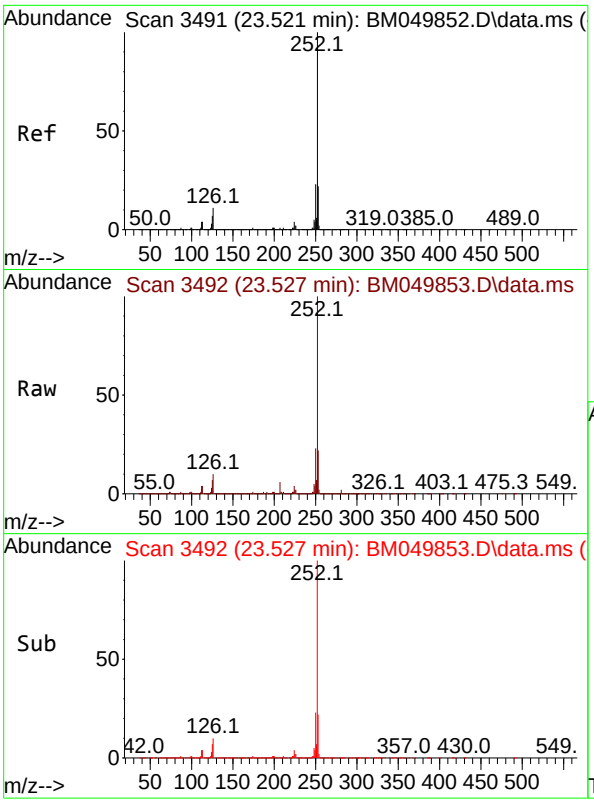


#88
Benzo(b)fluoranthene
Concen: 51.416 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5751381

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	7.2	6.2	9.4



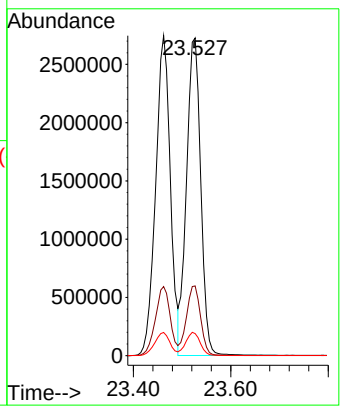


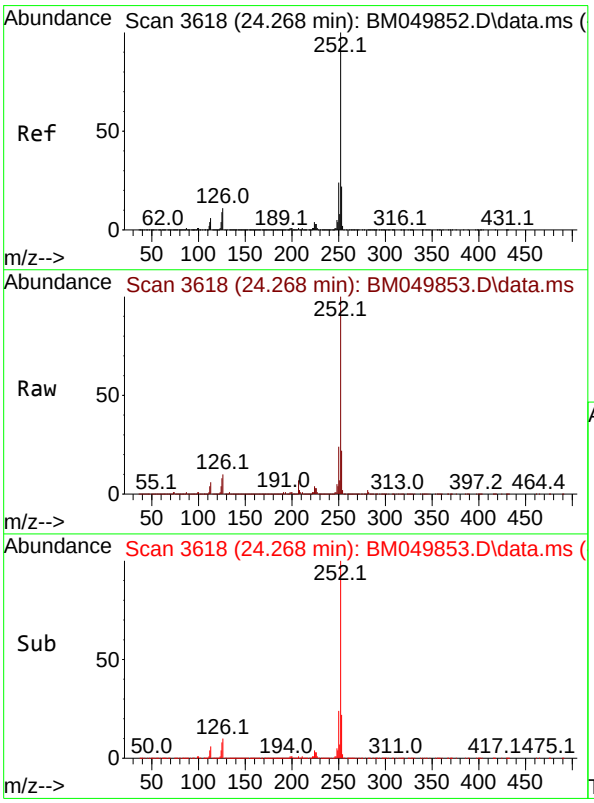
#89
Benzo(k)fluoranthene
Concen: 51.024 ng
RT: 23.527 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 5530993

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

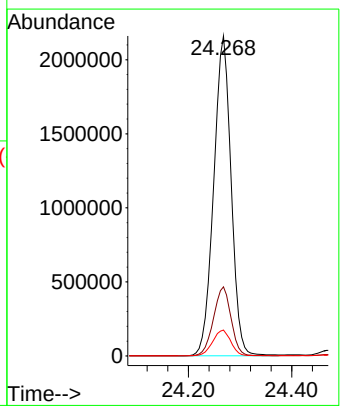


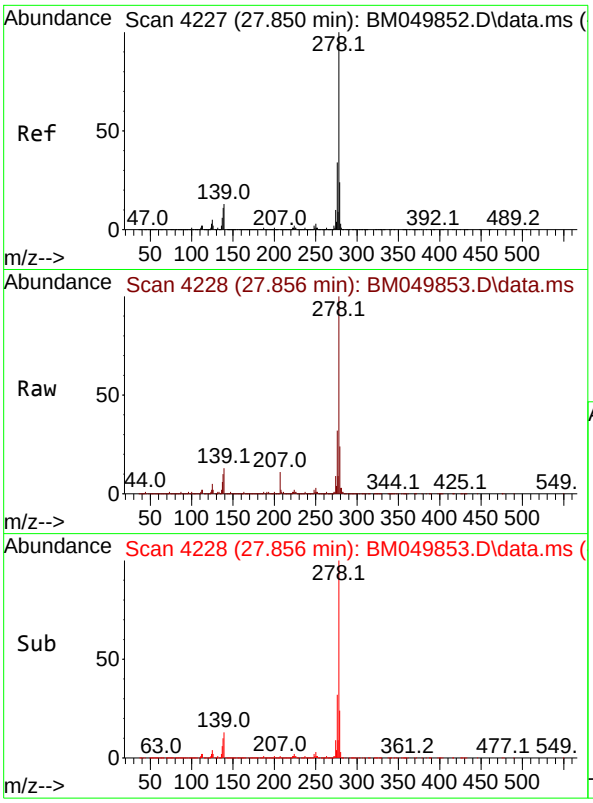


#90
Benzo(a)pyrene
Concen: 51.404 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5052750

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.0	10.4



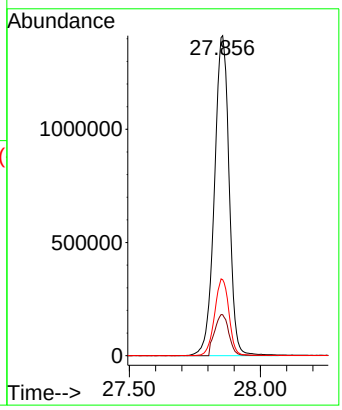


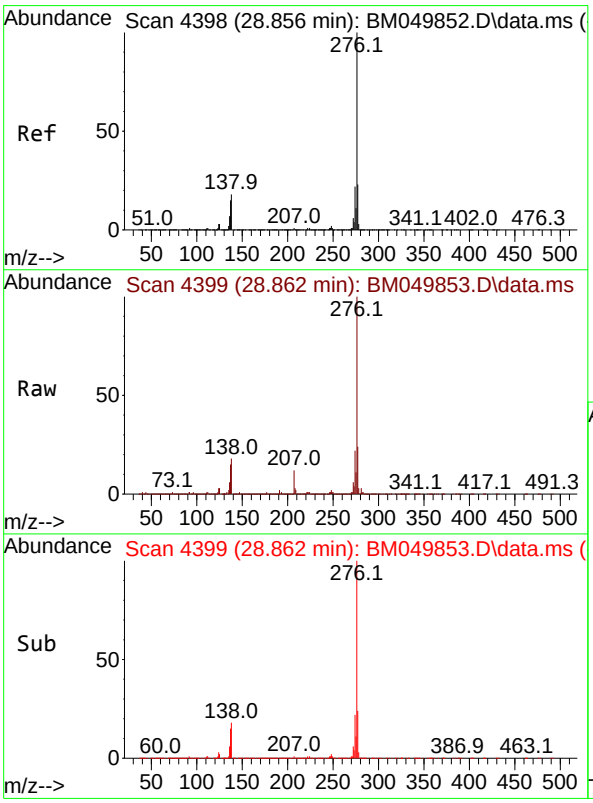
#91
Dibenzo(a,h)anthracene
Concen: 51.229 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 5509091

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	15.8
279	23.8	19.1	28.7

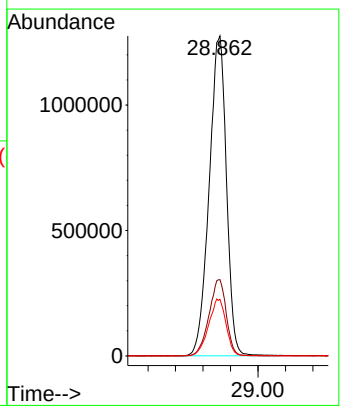




#92
Benzo(g,h,i)perylene
Concen: 50.555 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:276 Resp: 5555532

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	17.7	14.6	21.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	401721	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1393866	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	925425	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1882039	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2018201	20.000	ng	0.00
86) Perylene-d12	24.403	264	2103239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2915551	123.240	ng	0.00
7) Phenol-d6	6.957	99	3719224	126.357	ng	0.00
23) Nitrobenzene-d5	8.939	82	3092938	123.564	ng	0.00
42) 2,4,6-Tribromophenol	15.915	330	1794801	133.337	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8226257	120.538	ng	0.00
79) Terphenyl-d14	19.792	244	12189474	113.188	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	567230	58.219	ng	99
3) Pyridine	3.663	79	1539926m	60.181	ng	
4) n-Nitrosodimethylamine	3.569	42	602879	61.887	ng	99
6) Aniline	7.110	93	1376743	54.586	ng	99
8) 2-Chlorophenol	7.351	128	1492657	61.567	ng	98
9) Benzaldehyde	6.916	77	844385	55.949	ng	98
10) Phenol	6.981	94	1803027	62.772	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1398201	62.074	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1736609	60.586	ng	99
13) 1,4-Dichlorobenzene	7.816	146	1753895	60.812	ng	99
14) 1,2-Dichlorobenzene	8.133	146	1638164	60.303	ng	99
15) Benzyl Alcohol	8.022	79	1196792	64.570	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1519404	60.520	ng	99
17) 2-Methylphenol	8.228	107	1109262	62.667	ng	99
18) Hexachloroethane	8.863	117	603367	60.131	ng	95
19) n-Nitroso-di-n-propyla...	8.592	70	1035835	63.539	ng	97
20) 3+4-Methylphenols	8.557	107	1533520	63.547	ng	99
22) Acetophenone	8.604	105	2066135	60.992	ng	99
24) Nitrobenzene	8.980	77	1477263	61.291	ng	98
25) Isophorone	9.510	82	2626388	62.634	ng	99
26) 2-Nitrophenol	9.686	139	824140	64.513	ng	99
27) 2,4-Dimethylphenol	9.757	122	923795	63.809	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1734345	61.780	ng	100
29) 2,4-Dichlorophenol	10.227	162	1520625	63.187	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1724659	61.949	ng	100
31) Naphthalene	10.627	128	4391063	61.309	ng	100
32) Benzoic acid	9.927	122	1181344	62.653	ng	98
33) 4-Chloroaniline	10.733	127	1503047	59.431	ng	99
34) Hexachlorobutadiene	10.916	225	1064394	61.808	ng	97
35) Caprolactam	11.533	113	445396	64.529	ng	99
36) 4-Chloro-3-methylphenol	11.868	107	1364157	64.713	ng	99
37) 2-Methylnaphthalene	12.239	142	3184369	63.104	ng	99
38) 1-Methylnaphthalene	12.457	142	3091968	62.893	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	2002675	61.857	ng	99
41) Hexachlorocyclopentadiene	12.592	237	714895	63.016	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	1274694	61.873	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1399112	62.494	ng		99
46) 1,1'-Biphenyl	13.257	154	4137656	60.146	ng		99
47) 2-Chloronaphthalene	13.298	162	3226867	59.679	ng		98
48) 2-Nitroaniline	13.498	65	795093	63.562	ng		100
49) Acenaphthylene	14.145	152	4818221	61.175	ng		100
50) Dimethylphthalate	13.886	163	4013924	61.481	ng		100
51) 2,6-Dinitrotoluene	13.998	165	881430	64.439	ng		96
52) Acenaphthene	14.486	154	3082249	61.523	ng		99
53) 3-Nitroaniline	14.327	138	819114	61.958	ng		97
54) 2,4-Dinitrophenol	14.533	184	589583	61.369	ng		97
55) Dibenzofuran	14.821	168	5168643	61.715	ng		98
56) 4-Nitrophenol	14.645	139	793938	67.391	ng		96
57) 2,4-Dinitrotoluene	14.786	165	1222834	67.011	ng		96
58) Fluorene	15.474	166	4134865	62.111	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1221259	62.237	ng		97
60) Diethylphthalate	15.251	149	3826285	61.113	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	2303745	64.546	ng		96
62) 4-Nitroaniline	15.492	138	906760	66.324	ng		98
63) Azobenzene	15.756	77	3310558	61.760	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	778887	65.675	ng		98
66) n-Nitrosodiphenylamine	15.680	169	3444083	61.149	ng		99
67) 4-Bromophenyl-phenylether	16.356	248	1396751	63.930	ng		96
68) Hexachlorobenzene	16.480	284	1574846	62.842	ng		98
70) Pentachlorophenol	16.821	266	1149017	62.277	ng		99
71) Phenanthrene	17.209	178	6405696	62.082	ng		100
72) Anthracene	17.298	178	6349450	62.444	ng		99
73) Carbazole	17.568	167	5982768	62.468	ng		99
74) Di-n-butylphthalate	18.133	149	6724032	60.955	ng		100
75) Fluoranthene	19.227	202	8260007	65.108	ng		98
77) Benzidine	19.403	184	909121	33.955	ng		100
78) Pyrene	19.586	202	8591752	61.771	ng		98
80) Butylbenzylphthalate	20.486	149	3123457	59.763	ng		97
81) Benzo(a)anthracene	21.386	228	8424711	62.811	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3254534	64.252	ng		99
83) Chrysene	21.450	228	7979154	62.573	ng		98
84) Bis(2-ethylhexyl)phtha...	21.315	149	4400467	57.790	ng	#	95
85) Di-n-octyl phthalate	22.450	149	7938550	59.593	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	9952687	63.483	ng		99
88) Benzo(b)fluoranthene	23.462	252	8702237	64.785	ng		99
89) Benzo(k)fluoranthene	23.527	252	8428431	64.749	ng		99
90) Benzo(a)pyrene	24.268	252	7629106	64.633	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8206056	63.546	ng		99
92) Benzo(g,h,i)perylene	28.867	276	8265853	62.639	ng		99

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

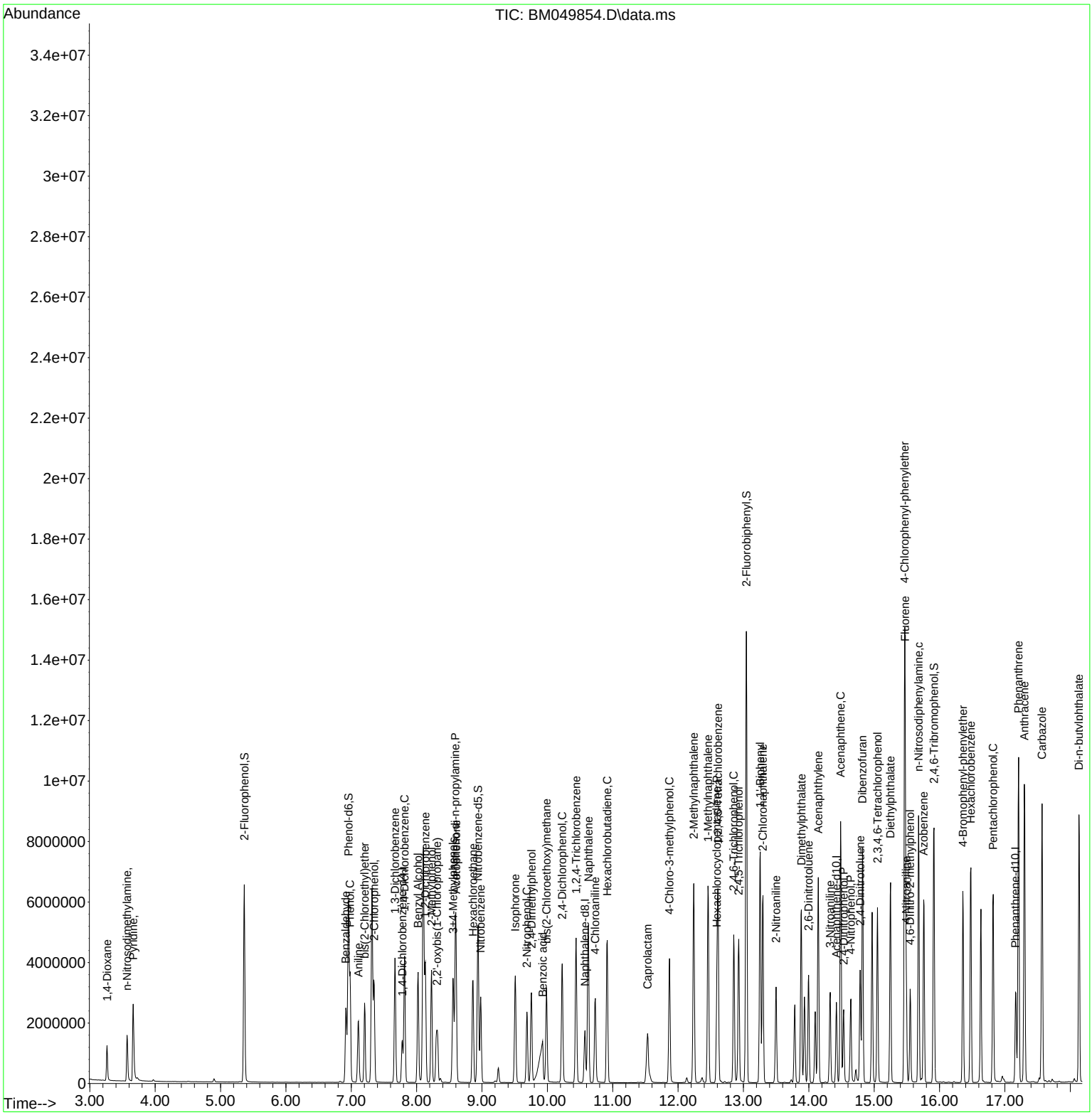
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



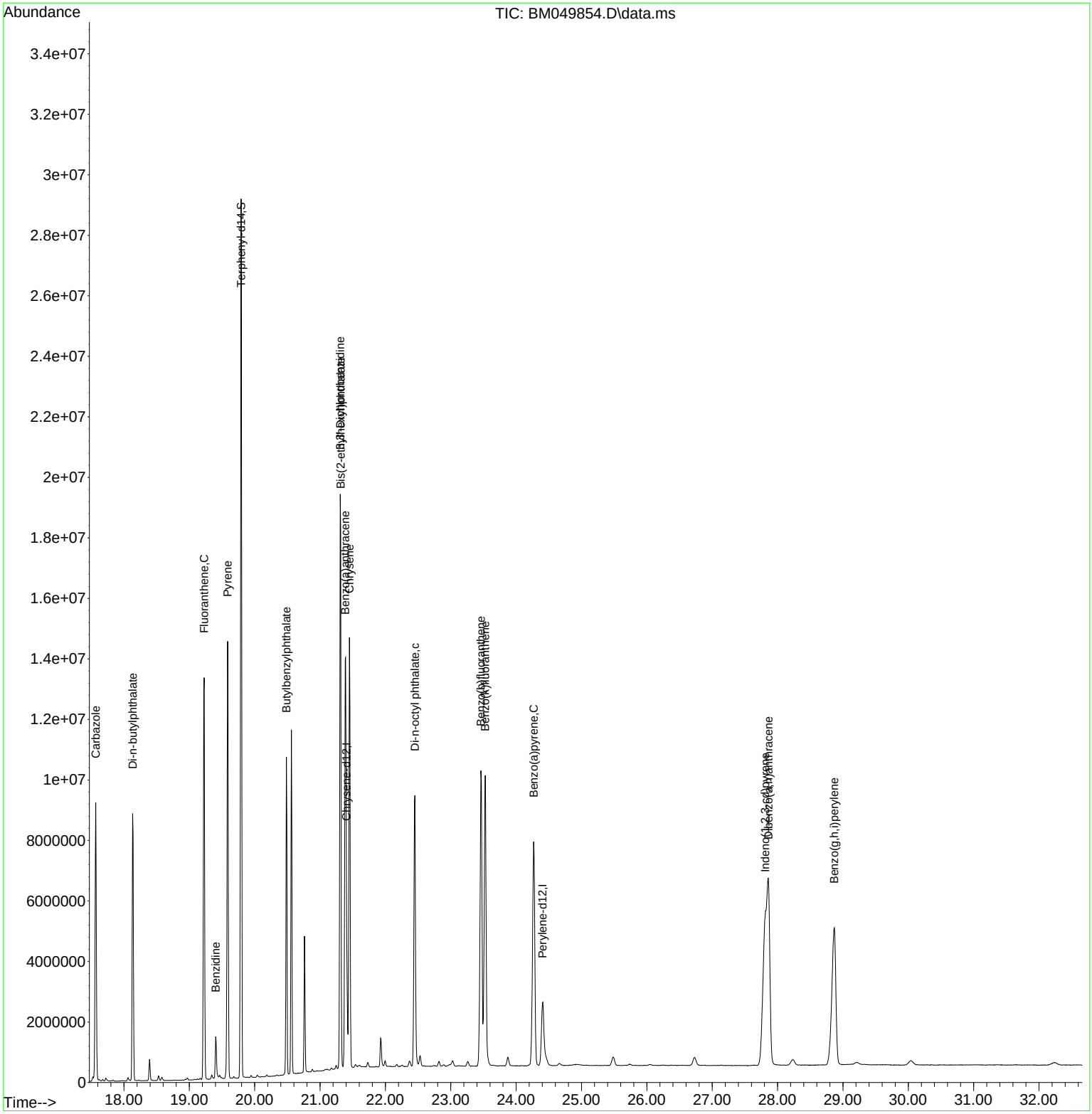
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

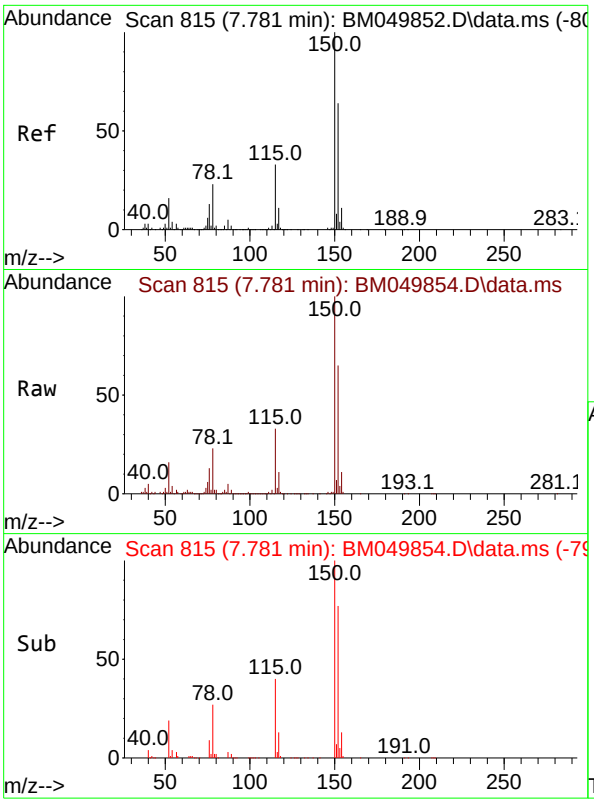
Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

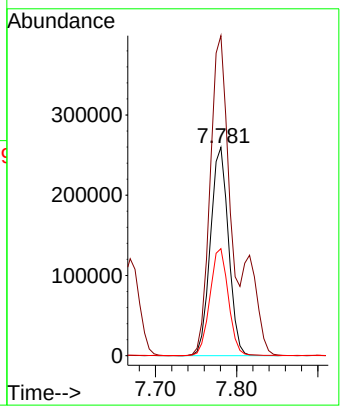




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 40172

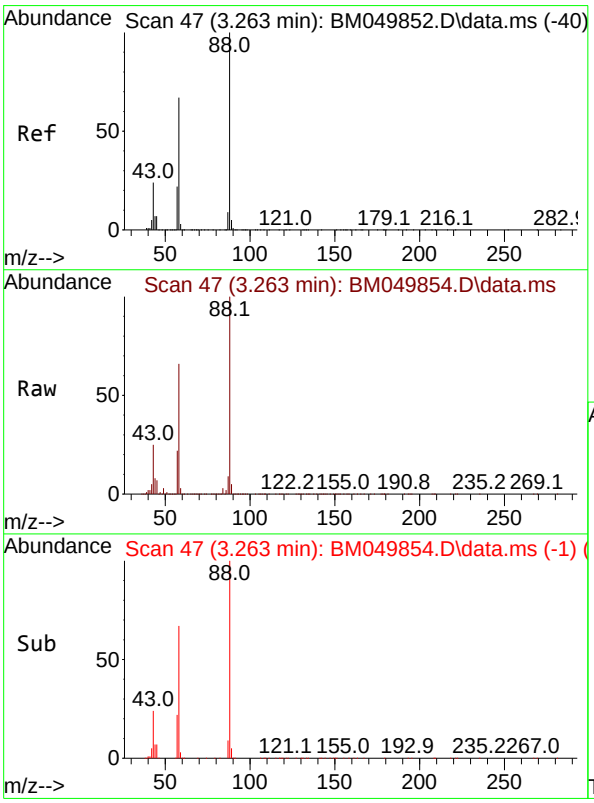
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	51.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

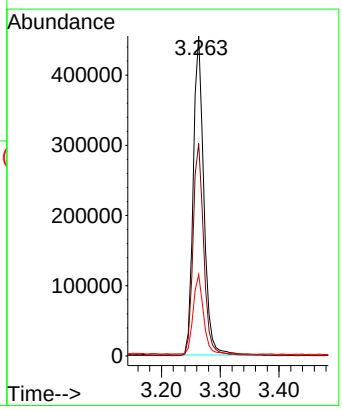
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

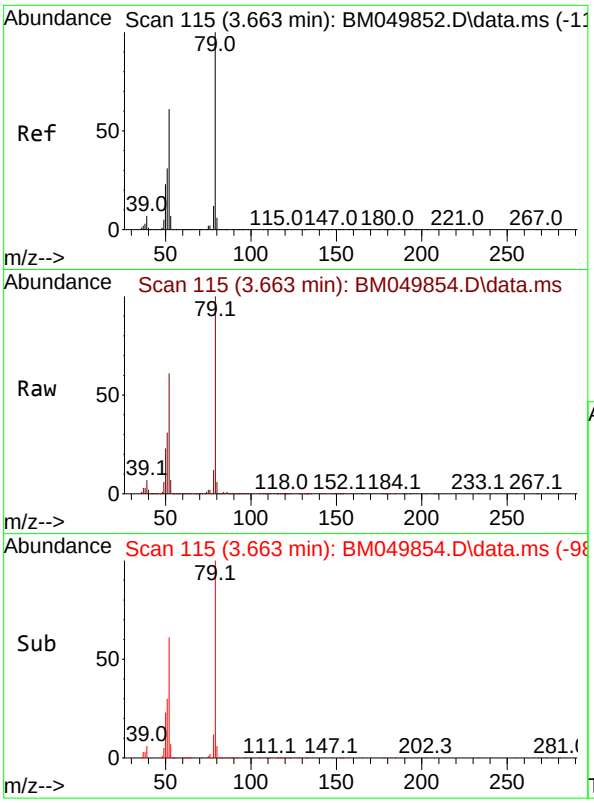


#2
1,4-Dioxane
Concen: 58.219 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 88 Resp: 567230

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.1	81.1
43	24.7	20.2	30.4

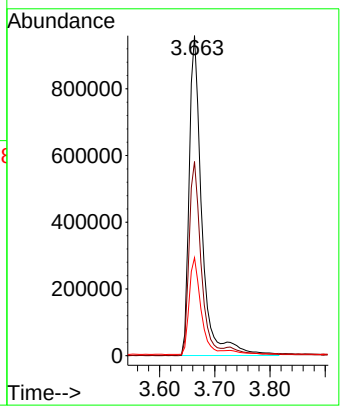




#3
Pyridine
Concen: 60.181 ng m
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 153992(

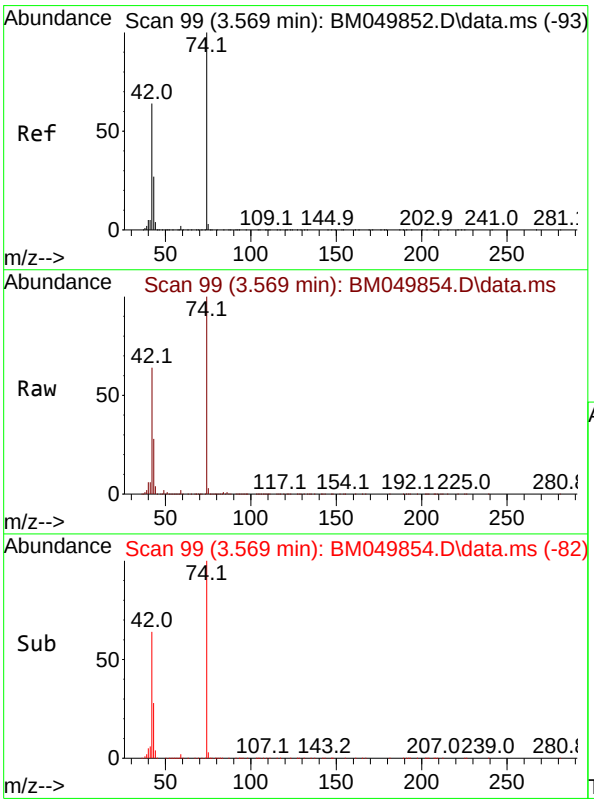
Ion	Ratio	Lower	Upper
79	100		
52	60.6	48.9	73.3
51	30.6	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

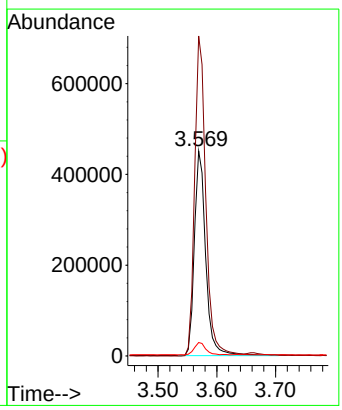
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

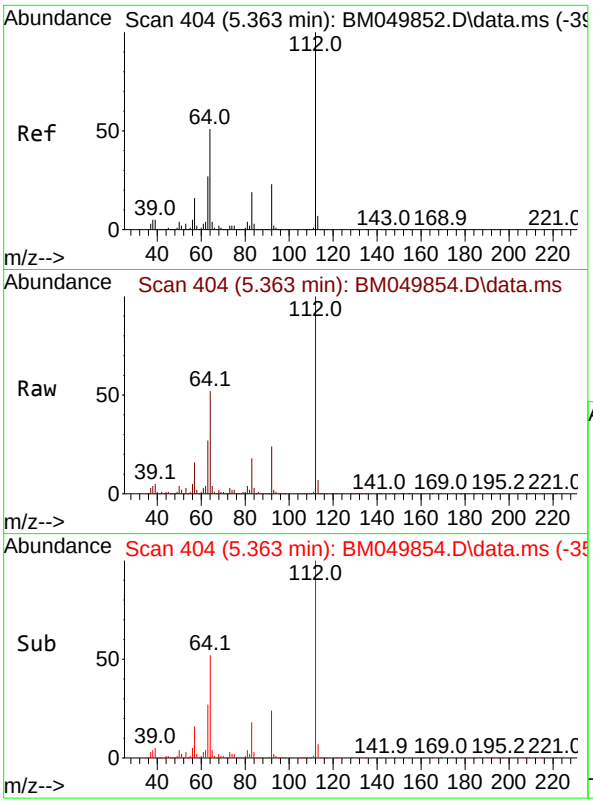


#4
n-Nitrosodimethylamine
Concen: 61.887 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 42 Resp: 602879

Ion	Ratio	Lower	Upper
42	100		
74	156.1	125.4	188.2
44	6.6	5.9	8.9

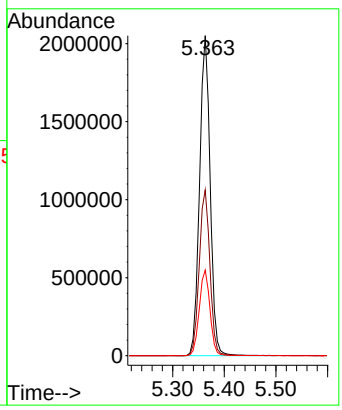




#5
2-Fluorophenol
Concen: 123.240 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:112 Resp: 291555

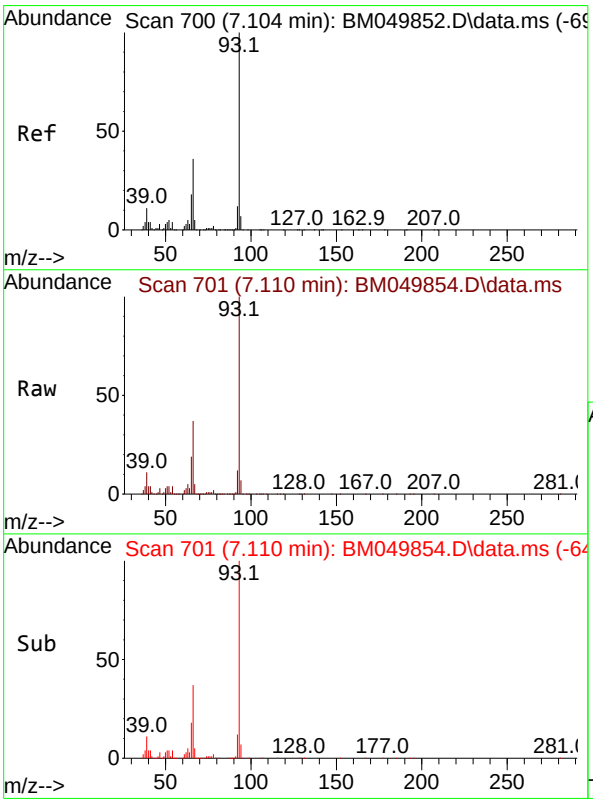
Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.0	61.6
63	26.8	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

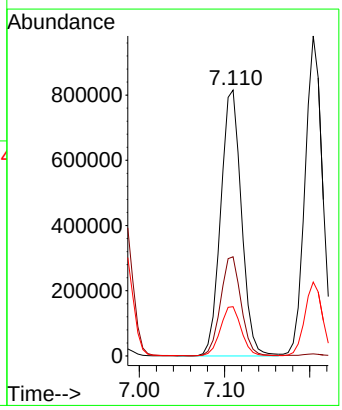
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

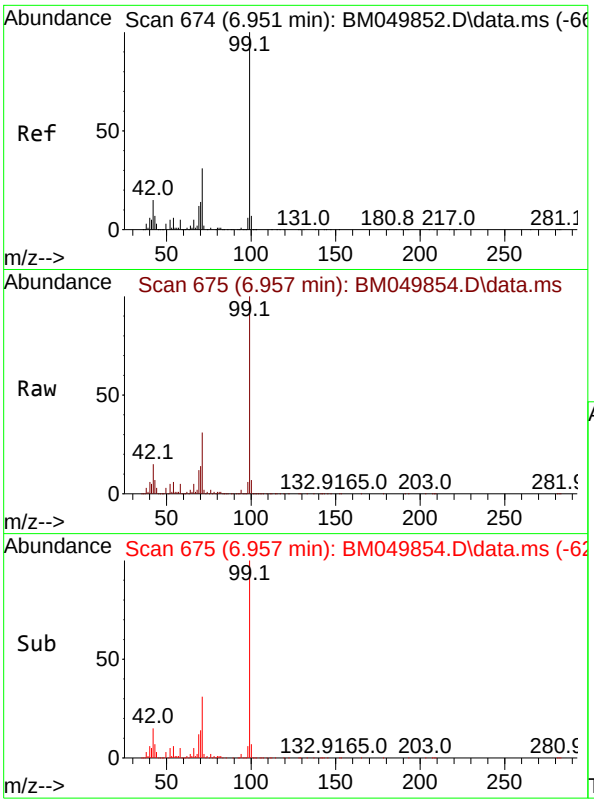


#6
Aniline
Concen: 54.586 ng
RT: 7.110 min Scan# 701
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1376743

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.5	14.9	22.3

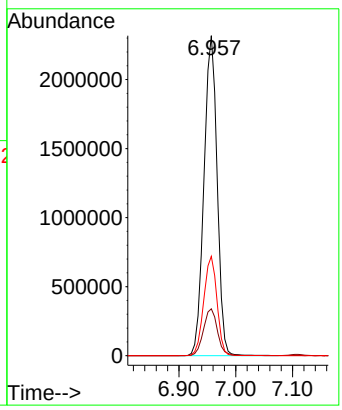




#7
Phenol-d6
Concen: 126.357 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 99 Resp: 371922

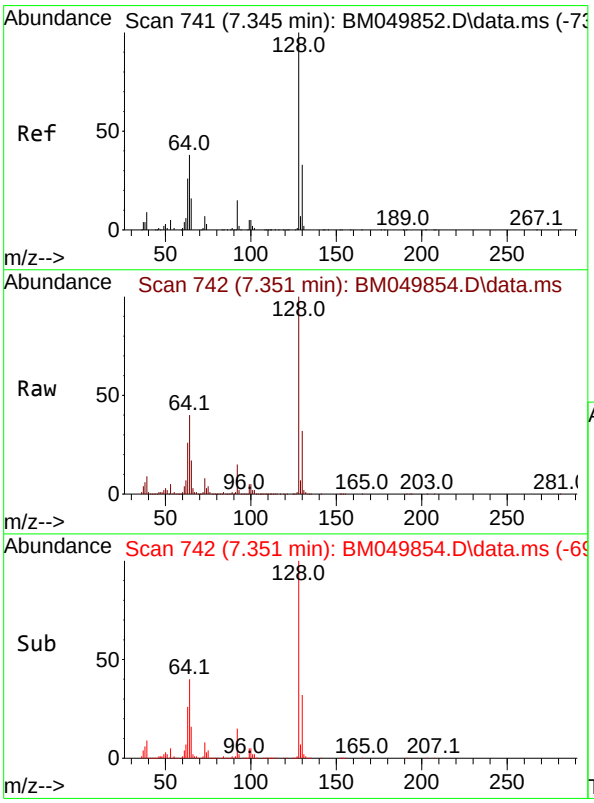
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

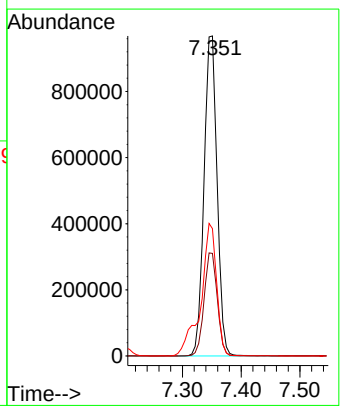
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

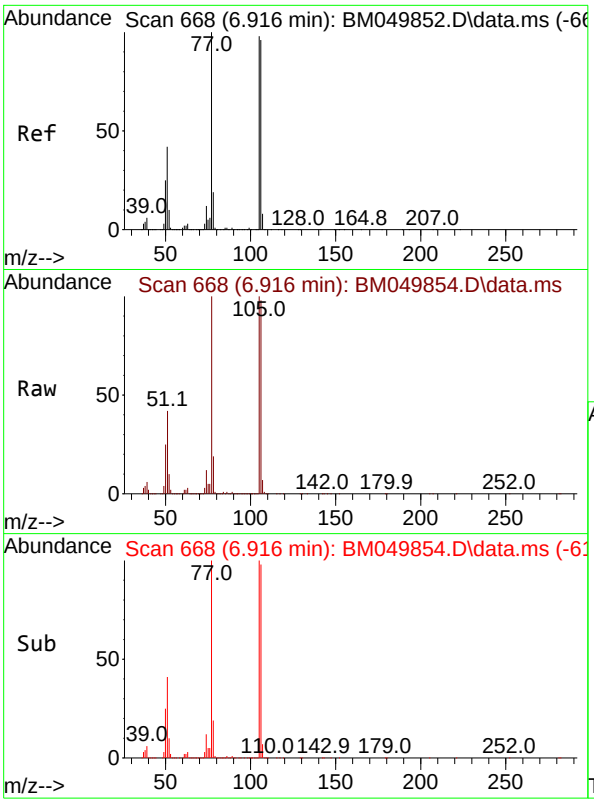


#8
2-Chlorophenol
Concen: 61.567 ng
RT: 7.351 min Scan# 742
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 1492657

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.8	21.1	61.1





#9
Benzaldehyde
Concen: 55.949 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

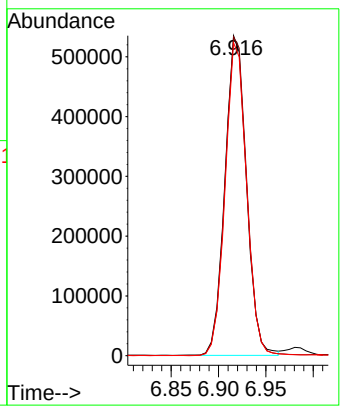
Tgt Ion: 77 Resp: 84438

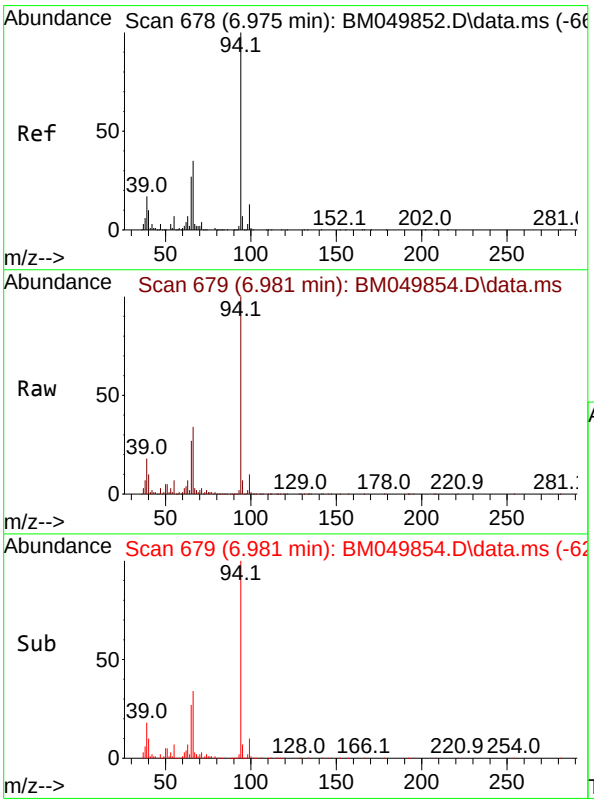
Ion	Ratio	Lower	Upper
77	100		
105	99.7	78.3	118.3
106	97.8	76.0	116.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

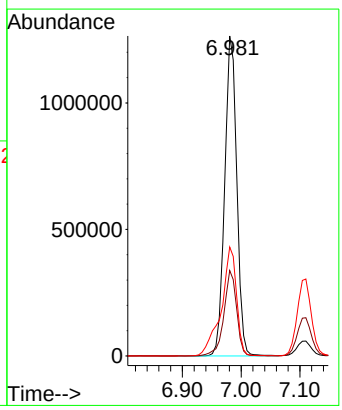


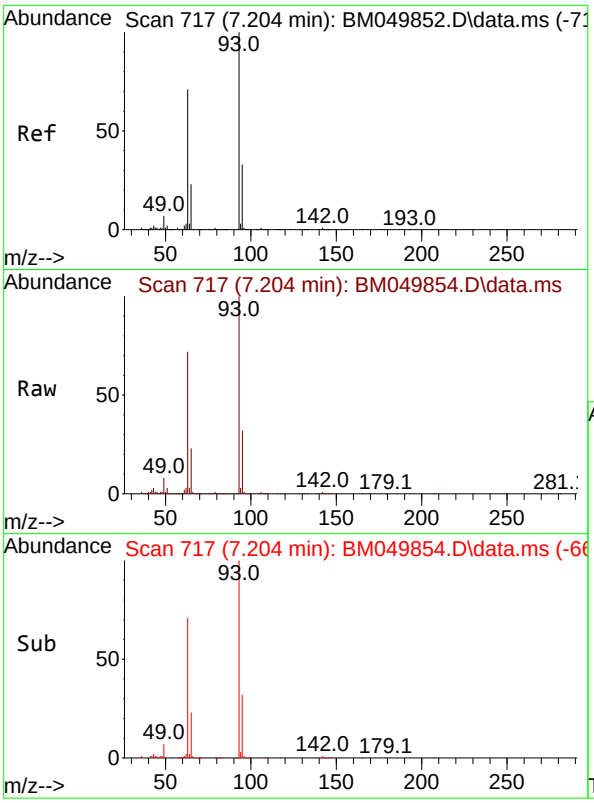


#10
Phenol
Concen: 62.772 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 94 Resp: 1803027

Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.3	47.3
66	34.1	14.8	54.8

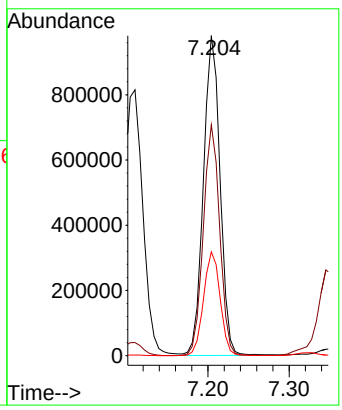




#11
bis(2-Chloroethyl)ether
Concen: 62.074 ng
RT: 7.204 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 139820

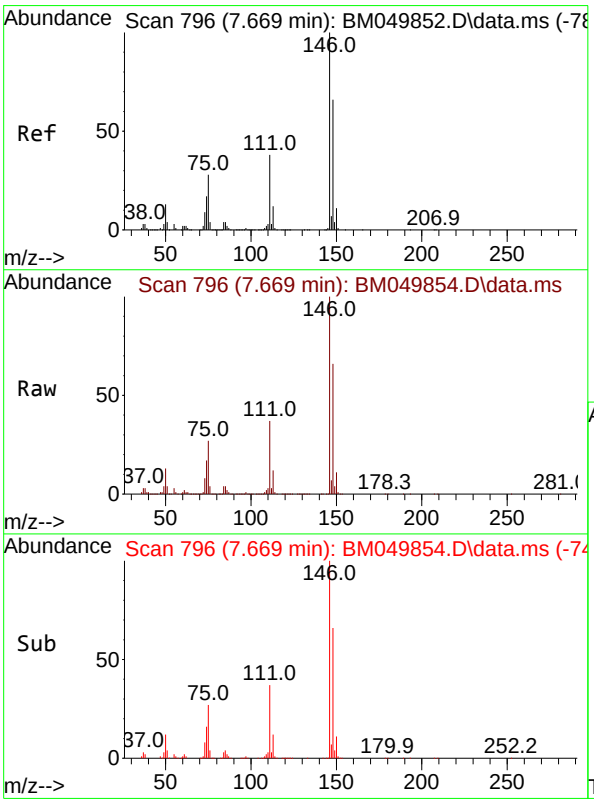
Ion	Ratio	Lower	Upper
93	100		
63	72.2	50.9	90.9
95	32.4	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

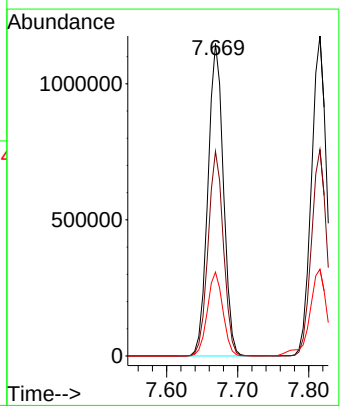
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

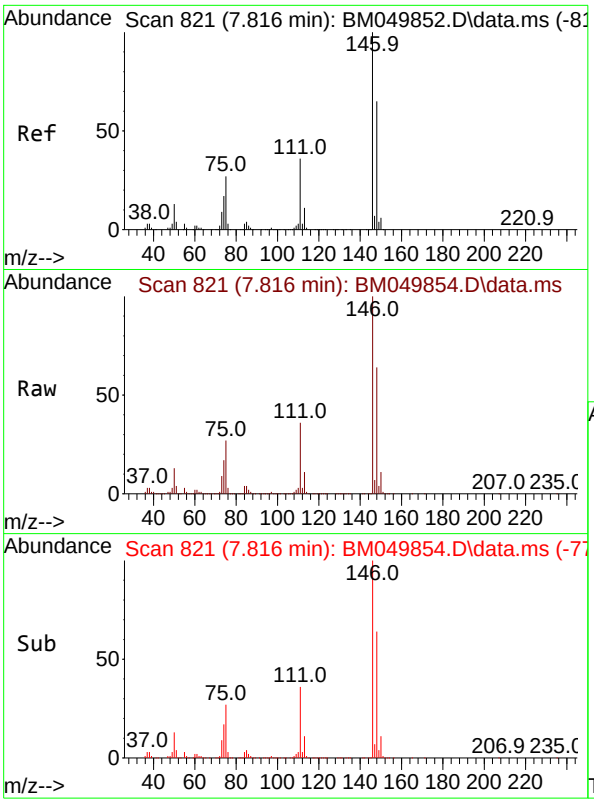


#12
1,3-Dichlorobenzene
Concen: 60.586 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1736609

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	26.9	22.5	33.7

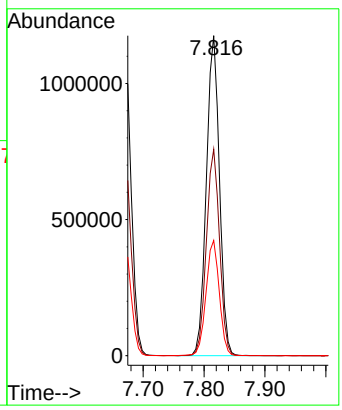




#13
1,4-Dichlorobenzene
Concen: 60.812 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 175389

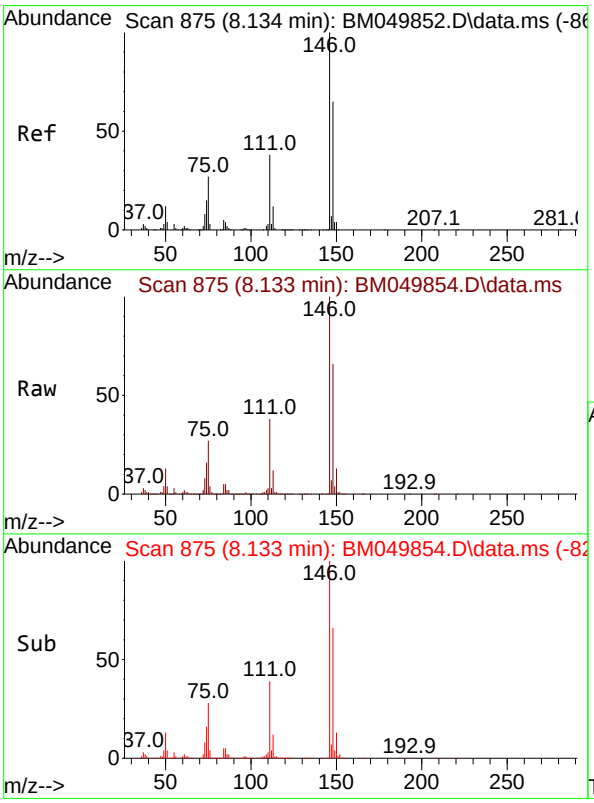
Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.4	78.6
111	36.0	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

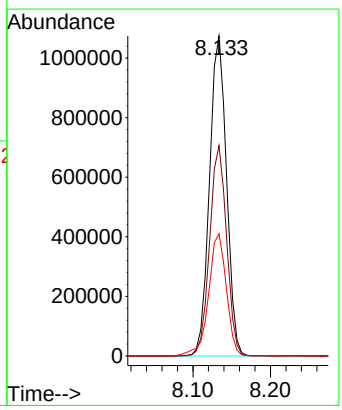
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

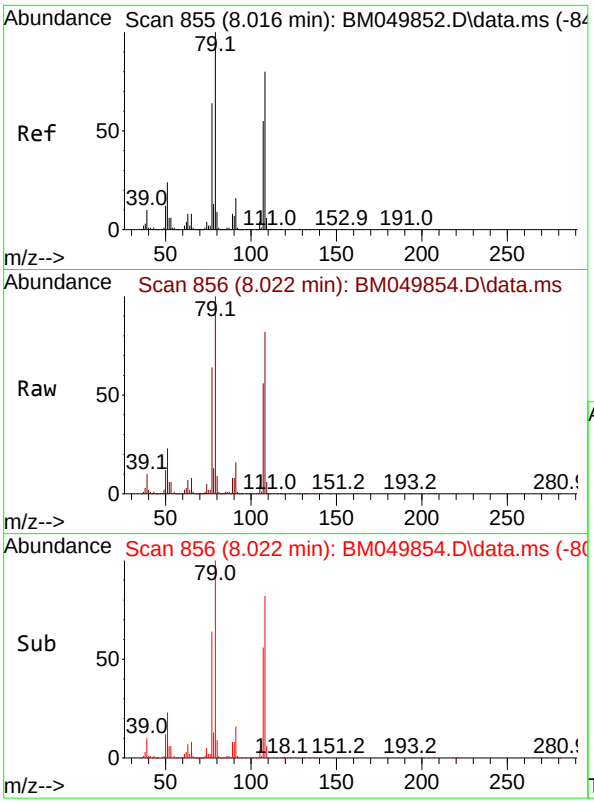


#14
1,2-Dichlorobenzene
Concen: 60.303 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1638164

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.2	30.2	45.4

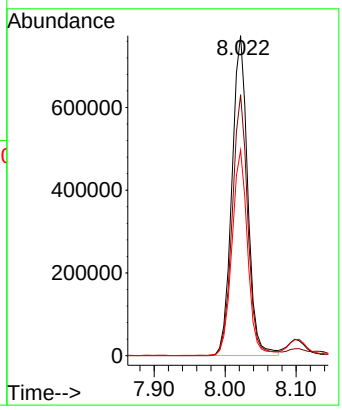




#15
Benzyl Alcohol
Concen: 64.570 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 119679

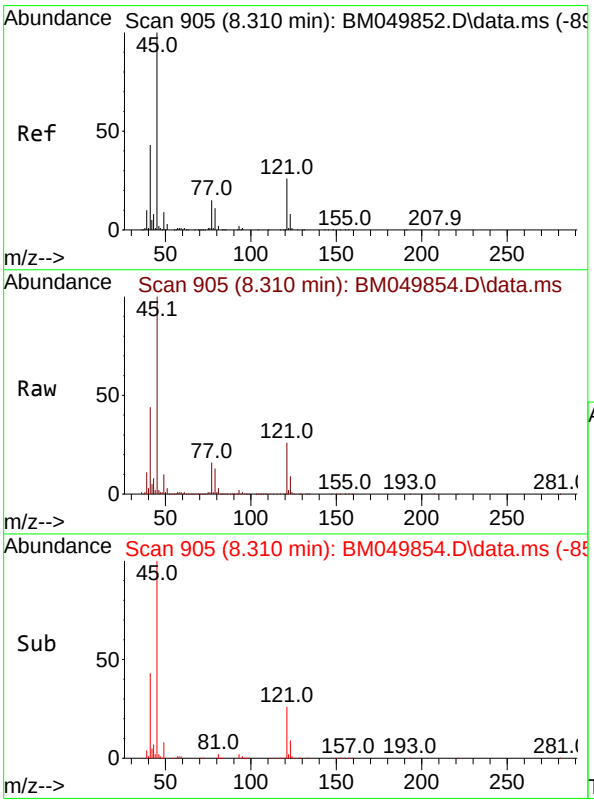
Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.6	95.4
77	64.3	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

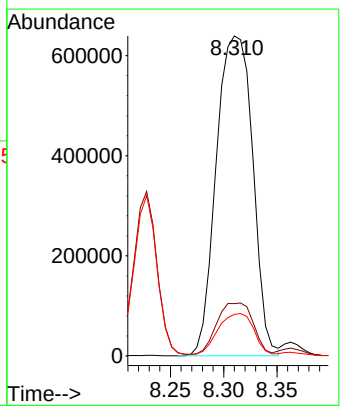
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

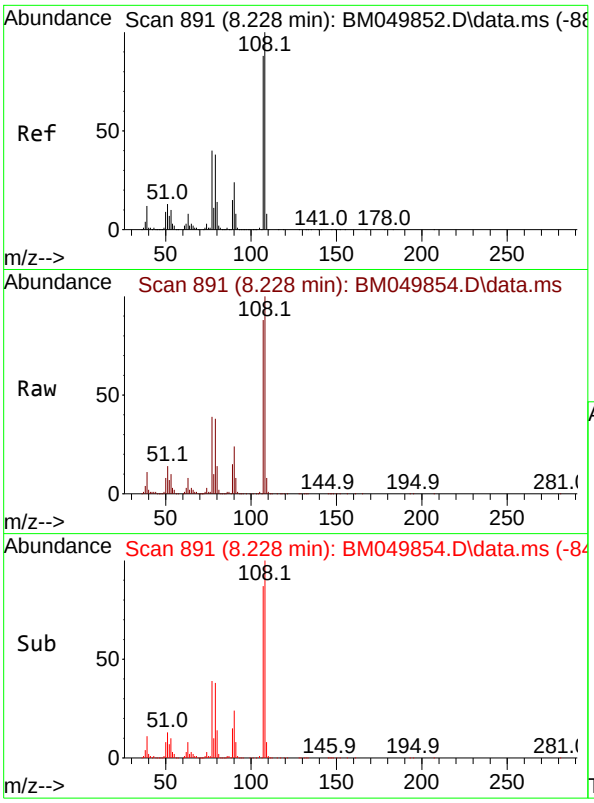


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.520 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 45 Resp: 1519404

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	13.0	0.0	32.9

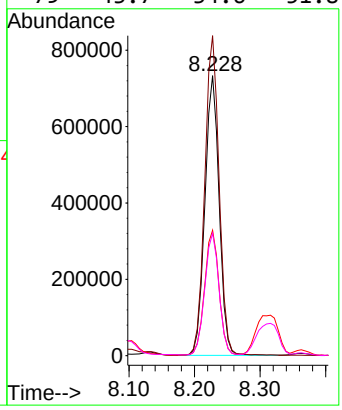




#17
2-Methylphenol
Concen: 62.667 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 110926

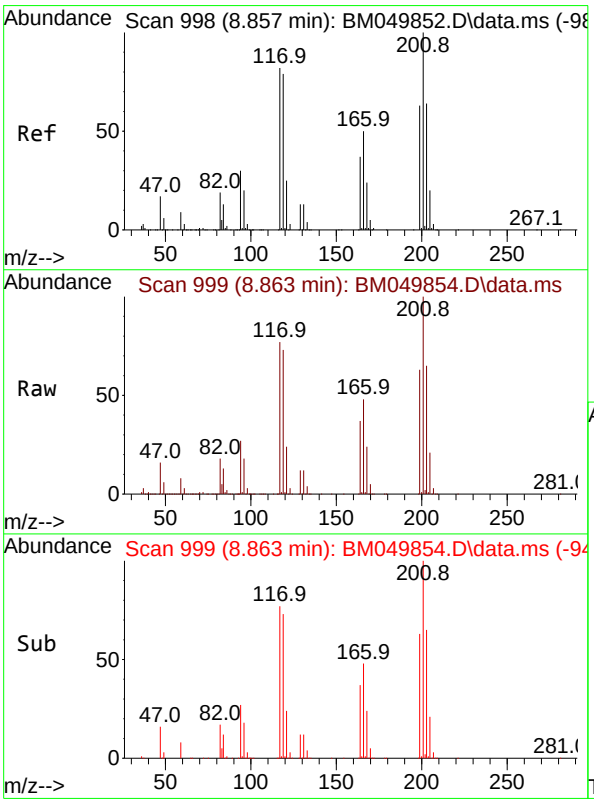
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.6
77	44.8	36.5	54.7
79	43.7	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

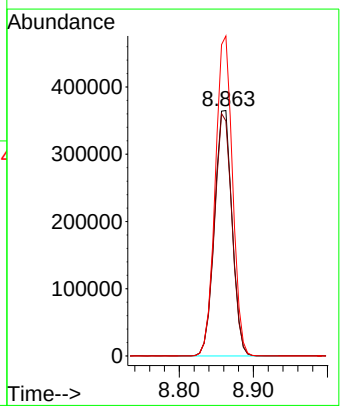
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

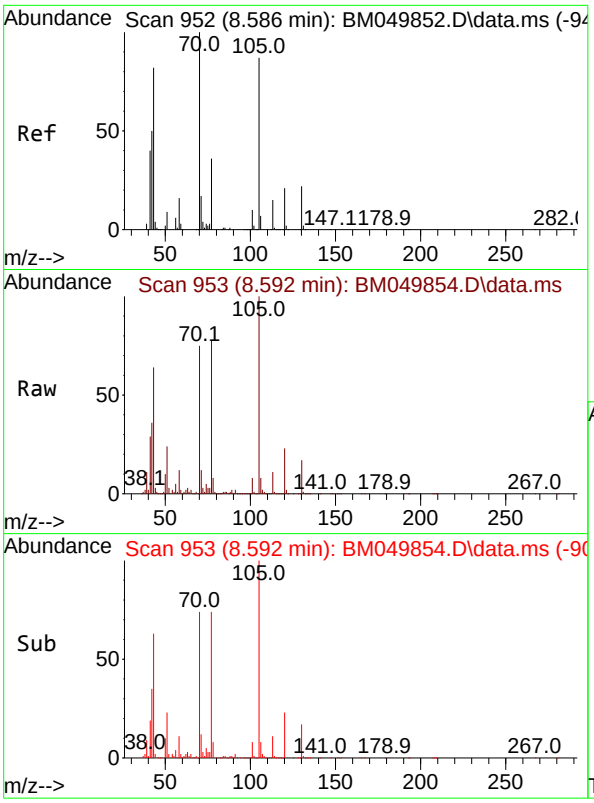


#18
Hexachloroethane
Concen: 60.131 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:117 Resp: 603367

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
201	130.4	97.7	146.5

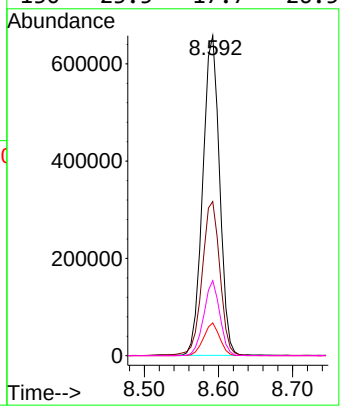




#19
n-Nitroso-di-n-propylamine
Concen: 63.539 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

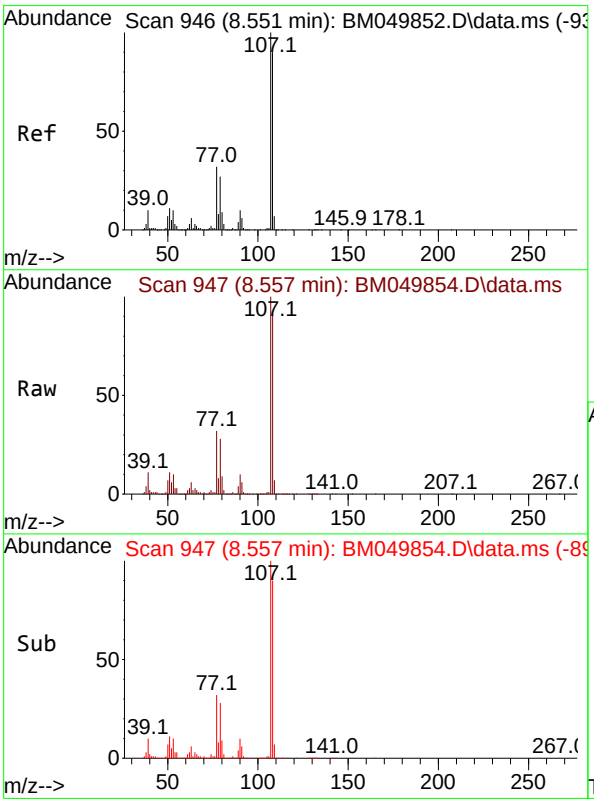
Tgt Ion: 70 Resp: 103583

Ion	Ratio	Lower	Upper
70	100		
42	48.2	40.2	60.2
101	10.3	7.9	11.9
130	23.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

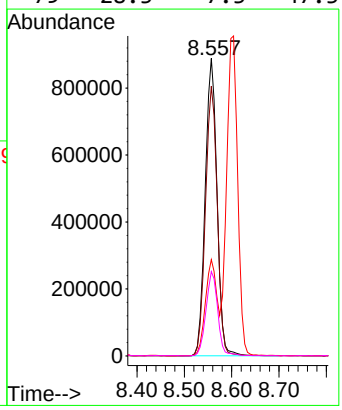
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

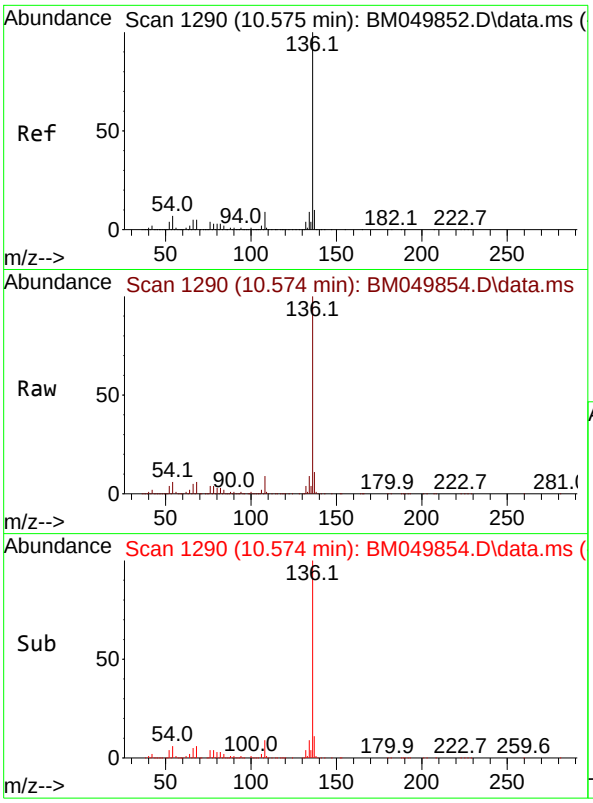


#20
3+4-Methylphenols
Concen: 63.547 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1533520

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.6	109.6
77	32.4	11.7	51.7
79	28.3	7.3	47.3

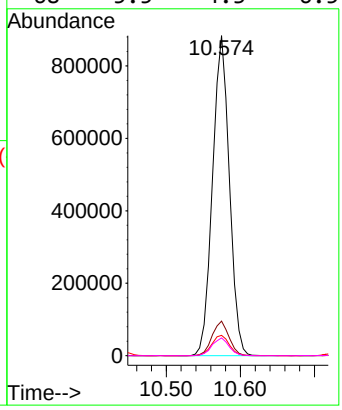




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:136 Resp: 139386

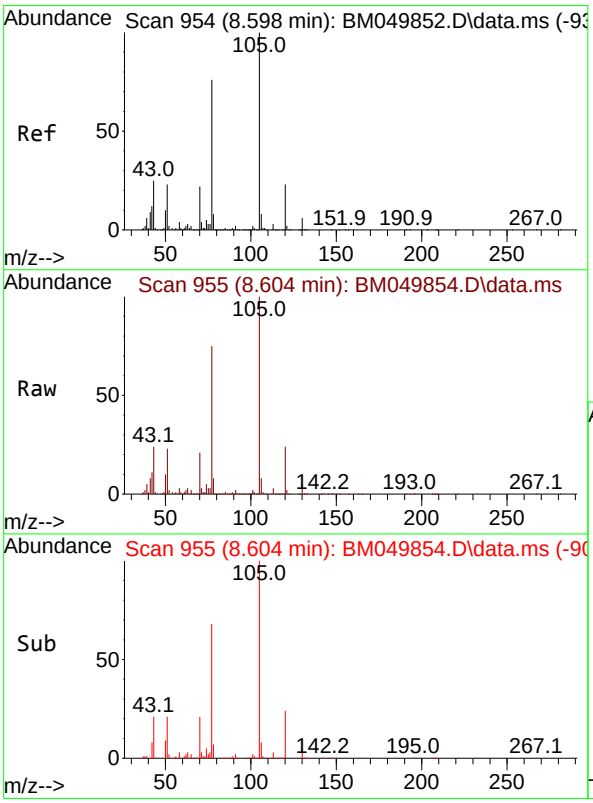
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

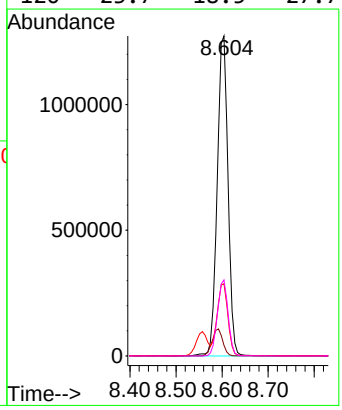
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

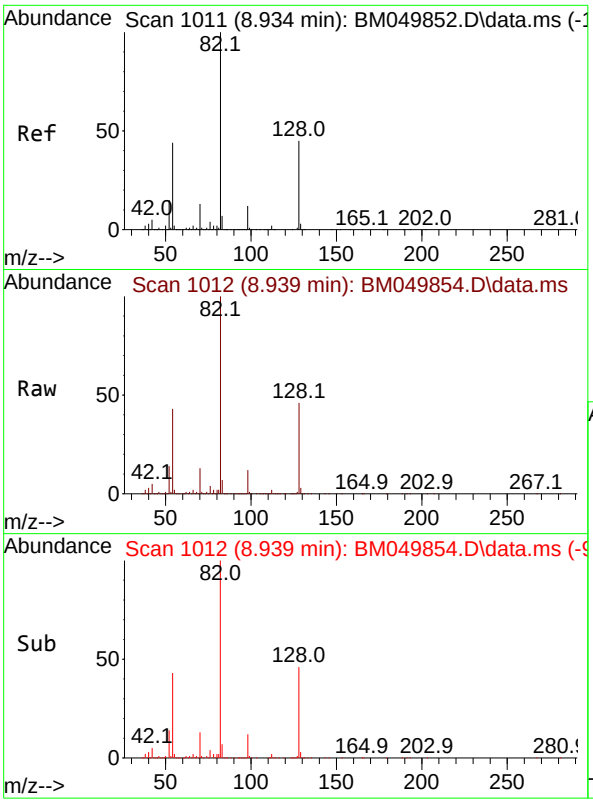


#22
Acetophenone
Concen: 60.992 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:105 Resp: 2066135

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.5	18.6	27.8
120	23.7	18.5	27.7

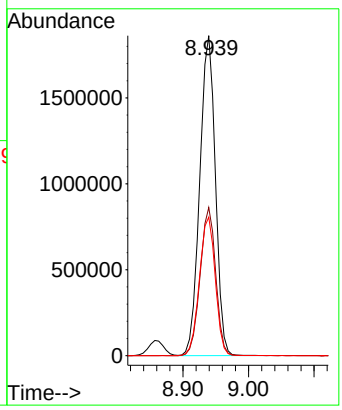




#23
Nitrobenzene-d5
Concen: 123.564 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 309293

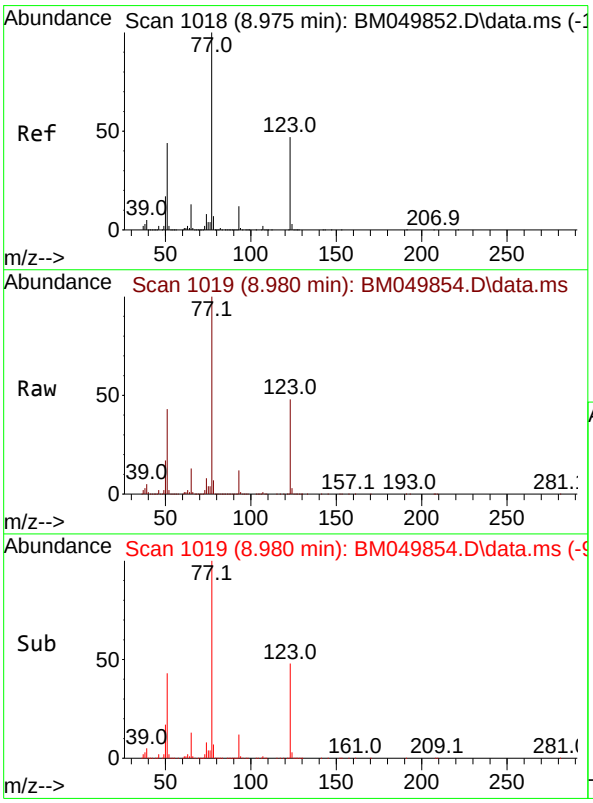
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.2
54	43.3	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

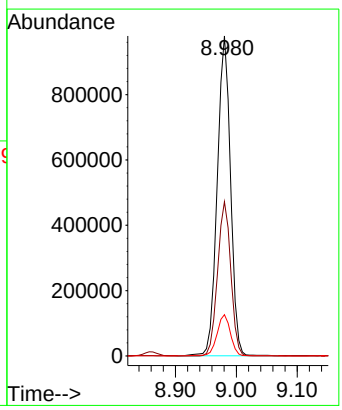
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

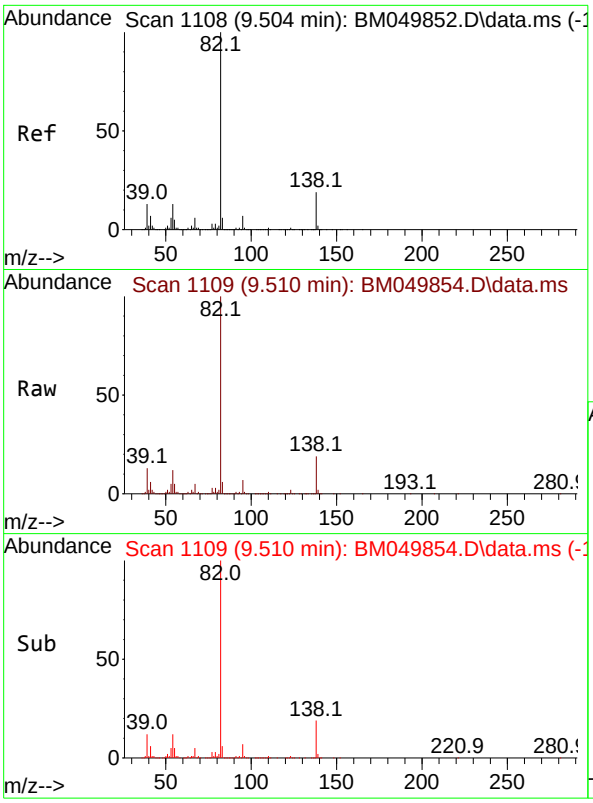


#24
Nitrobenzene
Concen: 61.291 ng
RT: 8.980 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 1477263

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.2
65	12.9	10.1	15.1

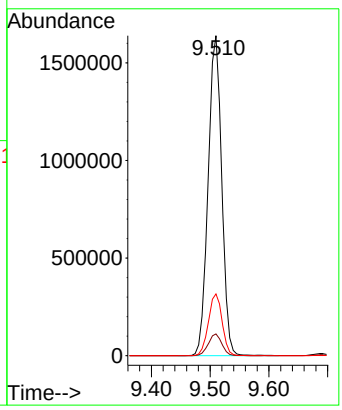




#25
Isophorone
Concen: 62.634 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 262638

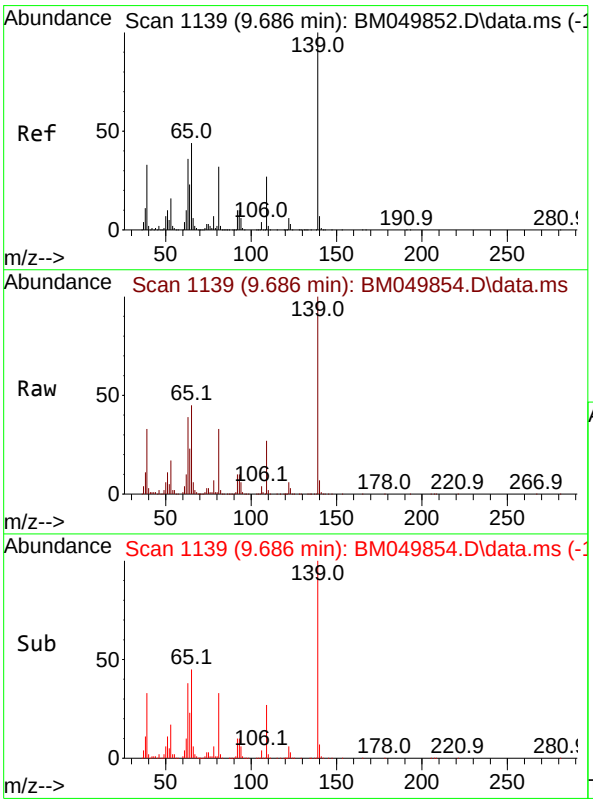
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

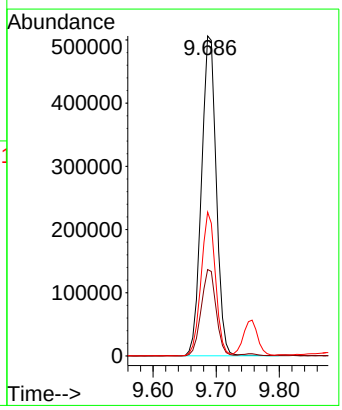
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

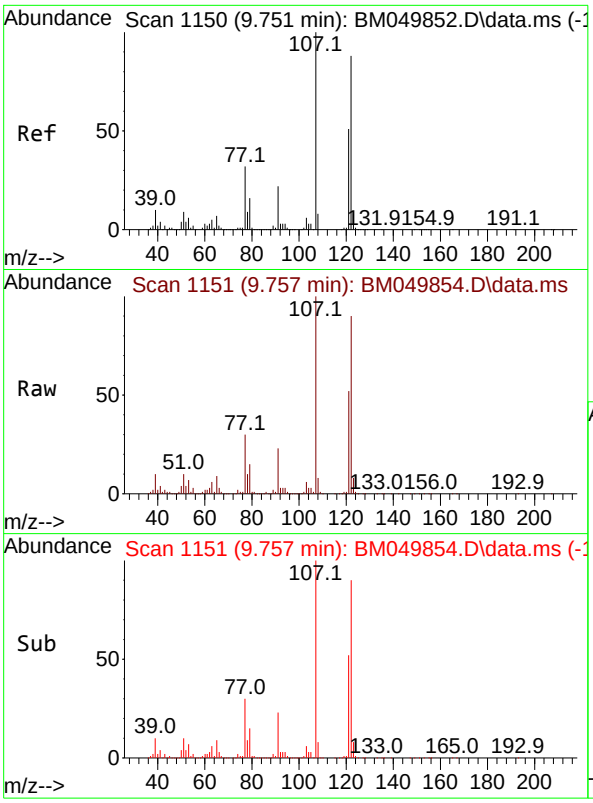


#26
2-Nitrophenol
Concen: 64.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 824140

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.7	32.5
65	45.0	35.2	52.8

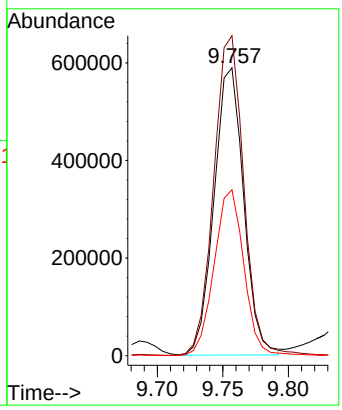




#27
2,4-Dimethylphenol
Concen: 63.809 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 92379

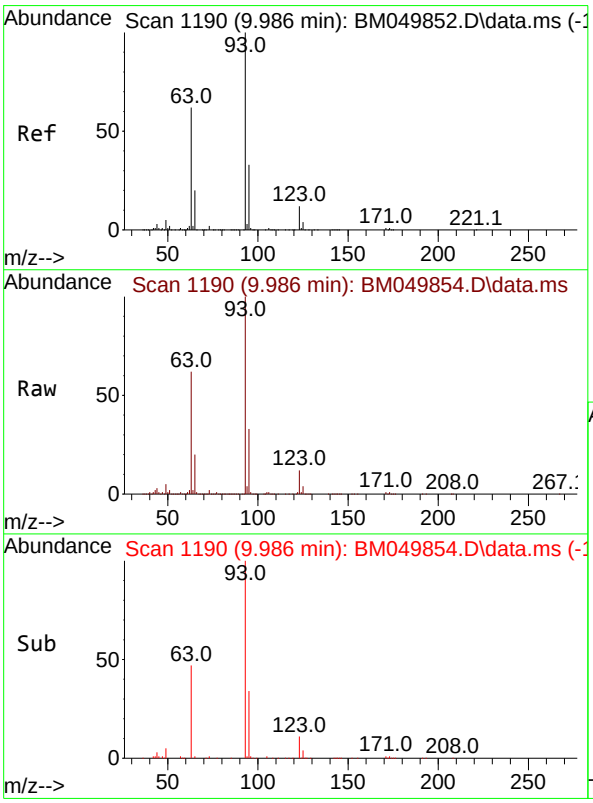
Ion	Ratio	Lower	Upper
122	100		
107	111.2	90.3	135.5
121	57.6	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

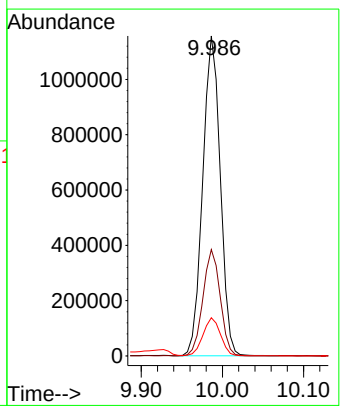
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

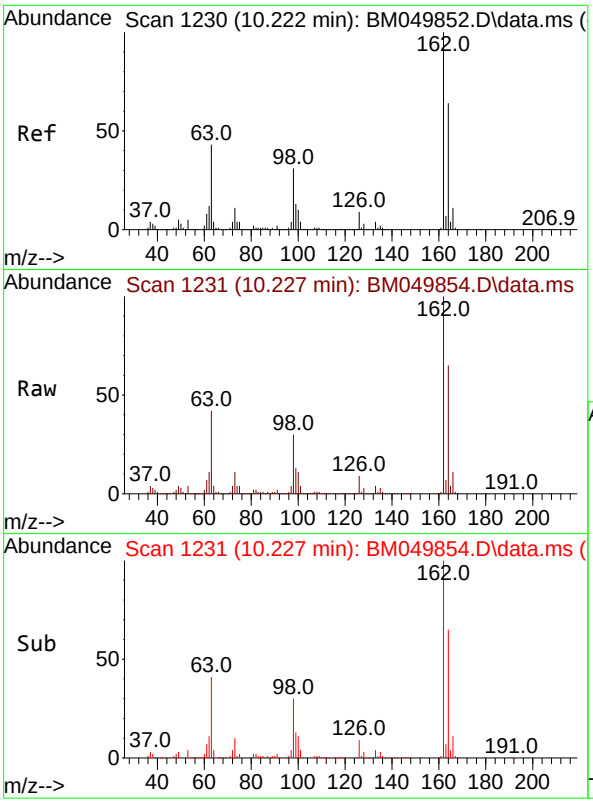


#28
bis(2-Chloroethoxy)methane
Concen: 61.780 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1734345

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.0	9.5	14.3

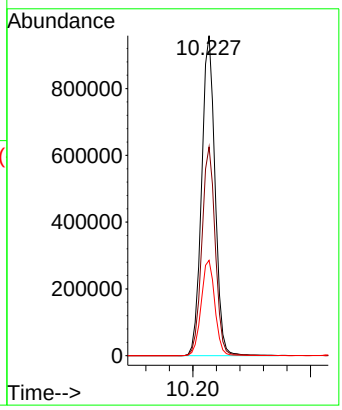




#29
2,4-Dichlorophenol
Concen: 63.187 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 152062

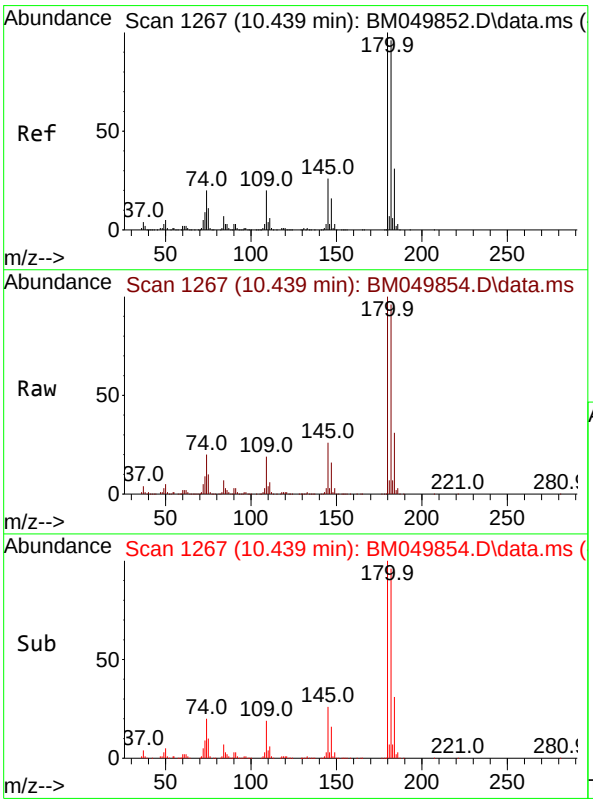
Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.3	84.3
98	29.8	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

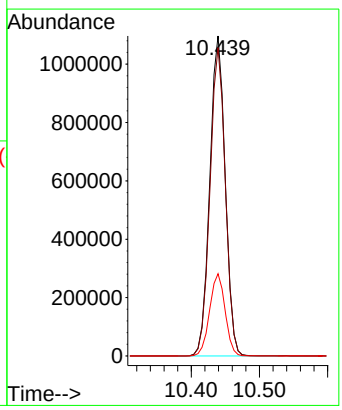
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

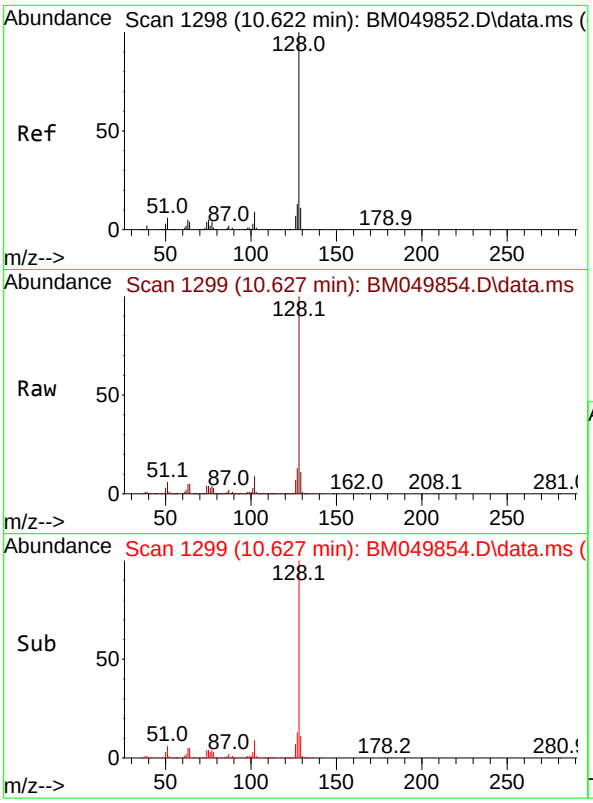


#30
1,2,4-Trichlorobenzene
Concen: 61.949 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:180 Resp: 1724659

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	25.7	20.8	31.2

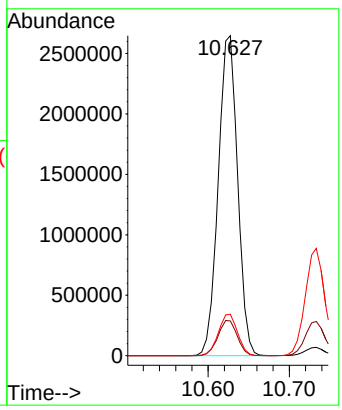




#31
Naphthalene
Concen: 61.309 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 439106

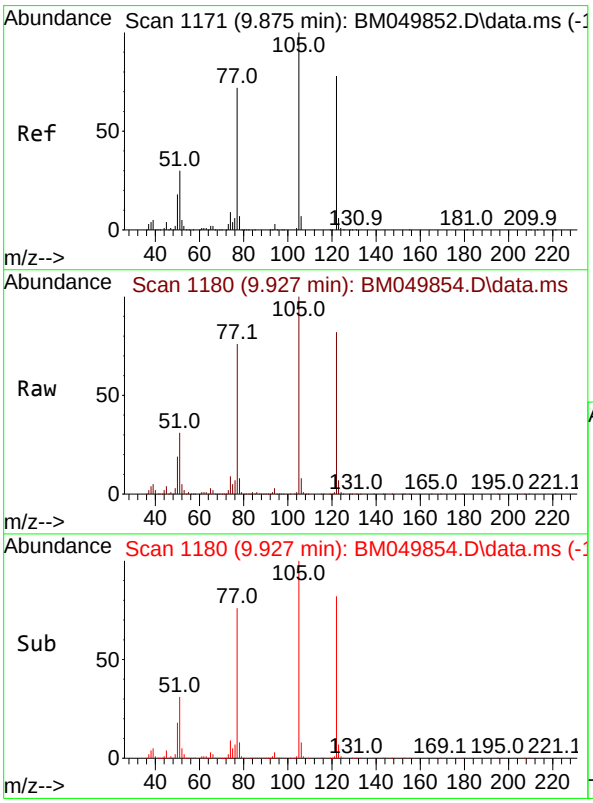
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

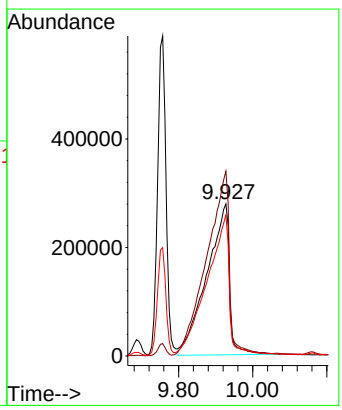
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

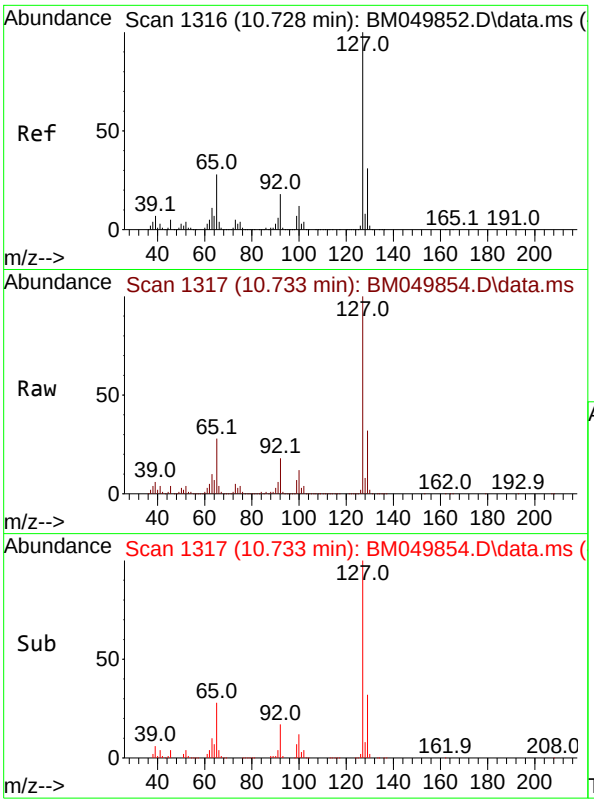


#32
Benzoic acid
Concen: 62.653 ng
RT: 9.927 min Scan# 1180
Delta R.T. 0.052 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 1181344

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.8	143.8
77	92.7	70.7	110.7

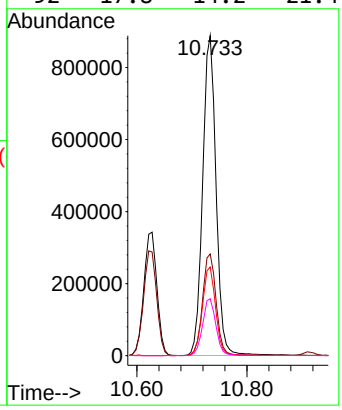




#33
4-Chloroaniline
Concen: 59.431 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:127 Resp: 150304

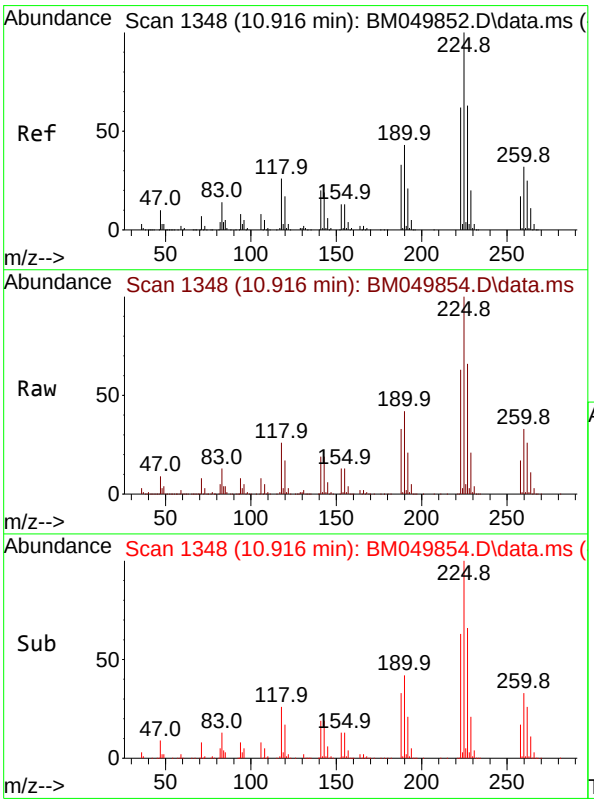
Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.9	37.3
65	27.7	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

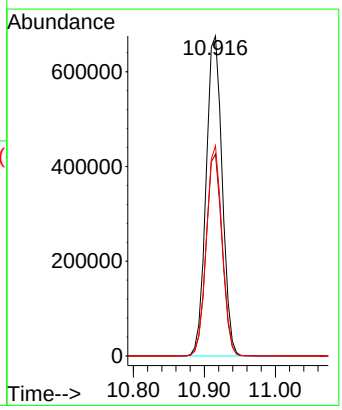
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

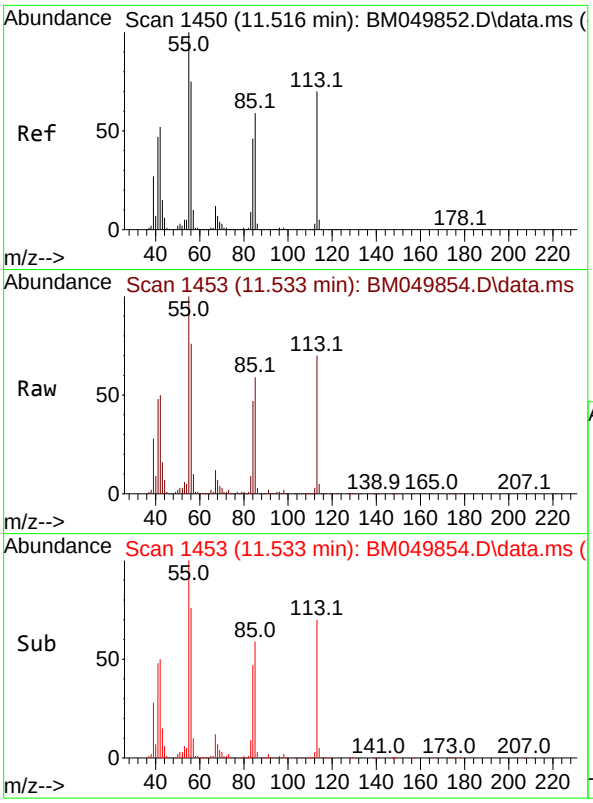


#34
Hexachlorobutadiene
Concen: 61.808 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:225 Resp: 1064394

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	65.7	50.1	75.1

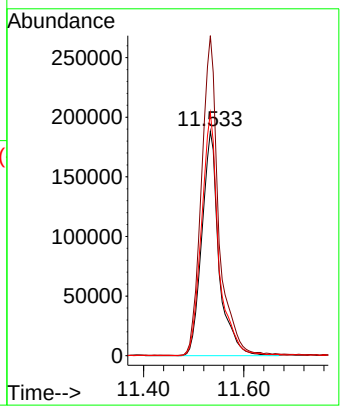




#35
Caprolactam
Concen: 64.529 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:113 Resp: 44539

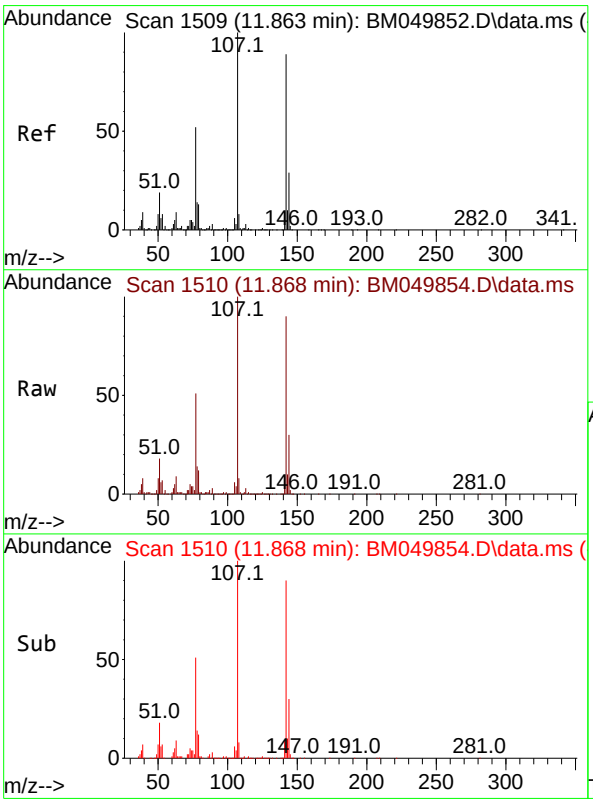
Ion	Ratio	Lower	Upper
113	100		
55	142.6	124.3	164.3
56	108.2	87.5	127.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

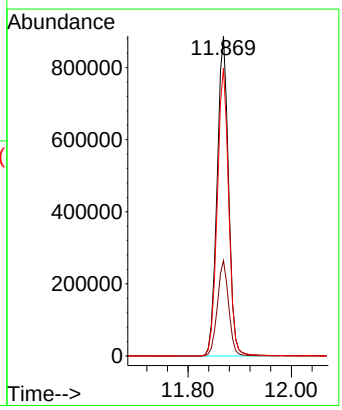
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

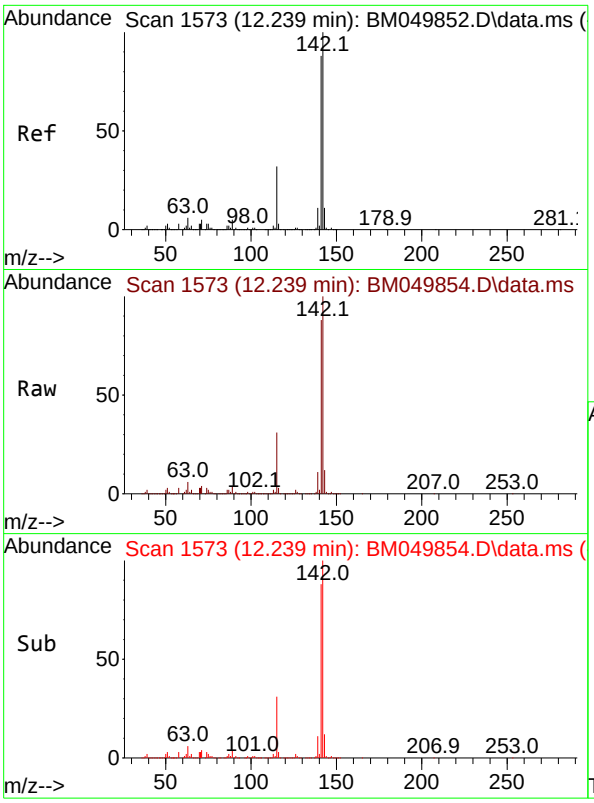


#36
4-Chloro-3-methylphenol
Concen: 64.713 ng
RT: 11.868 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1364157

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.0	71.4	107.0

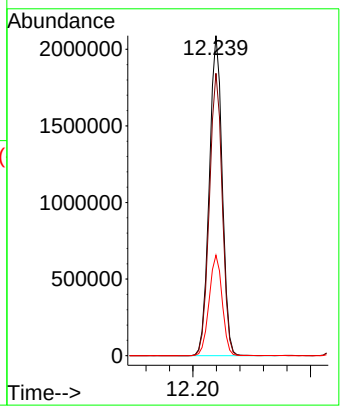




#37
2-Methylnaphthalene
Concen: 63.104 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 318436

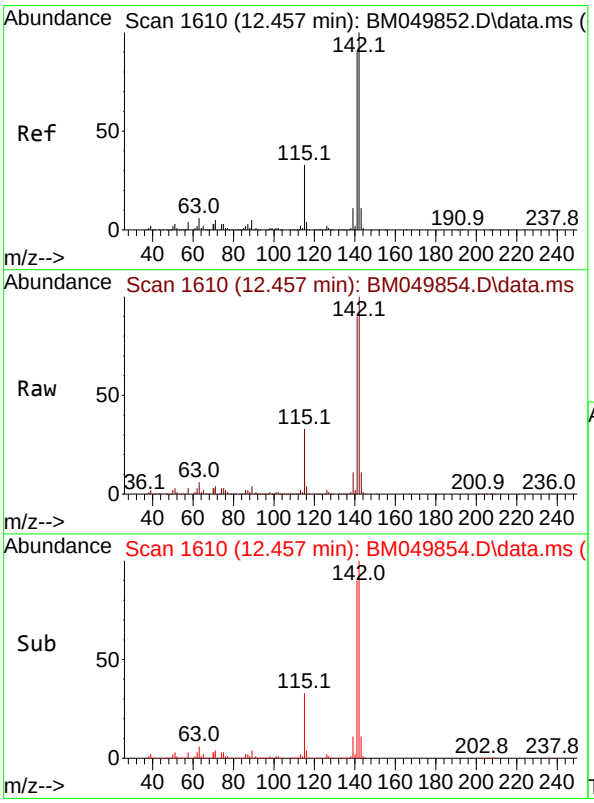
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

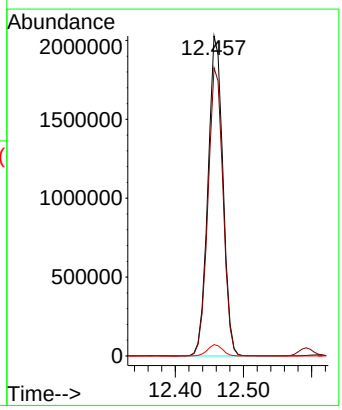
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

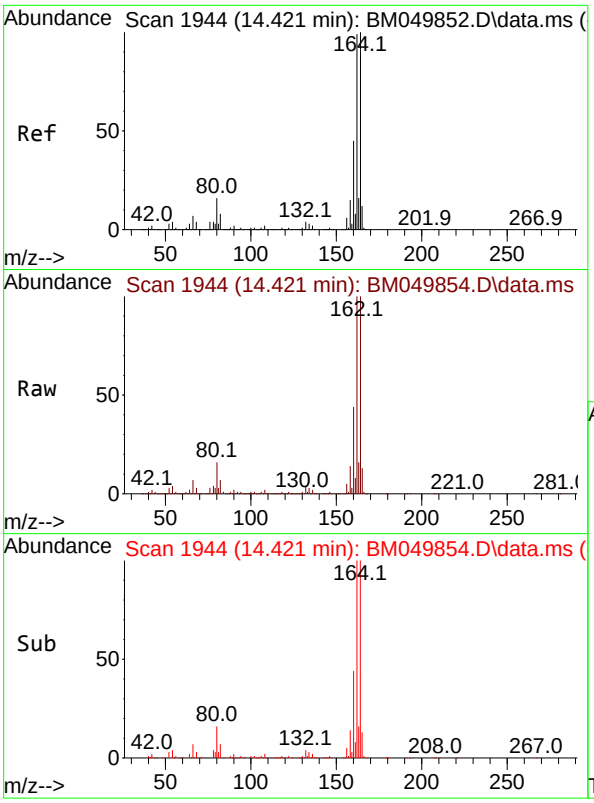


#38
1-Methylnaphthalene
Concen: 62.893 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 3091968

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2
116	3.6	2.9	4.3

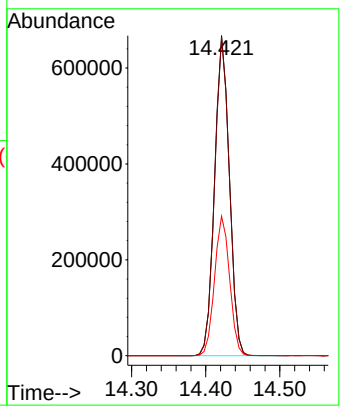




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:164 Resp: 92542

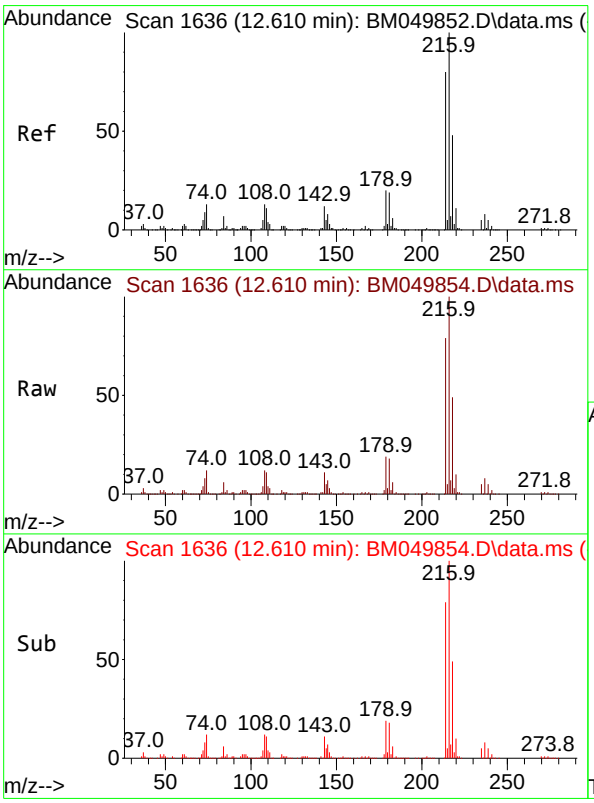
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	43.6	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

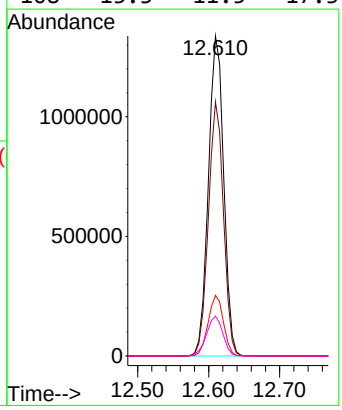
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

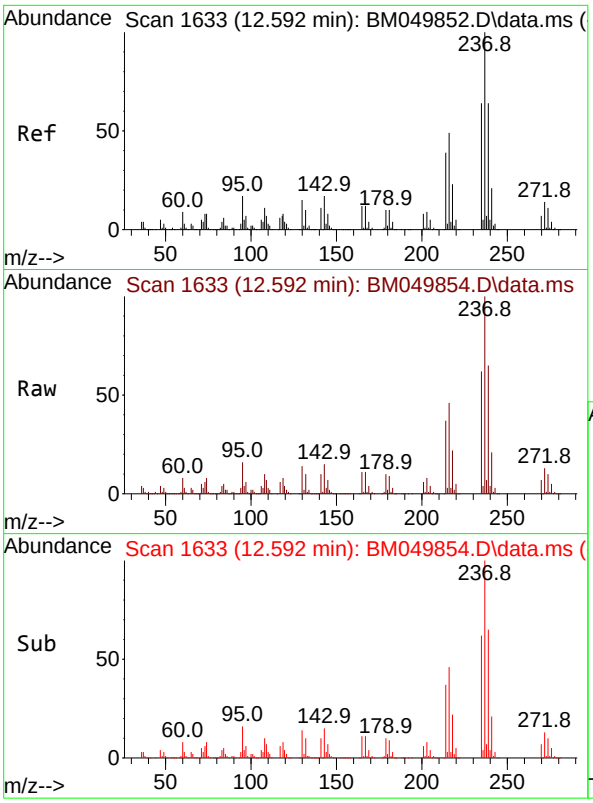


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.857 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:216 Resp: 2002675

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	18.9	15.8	23.6
108	13.3	11.5	17.3

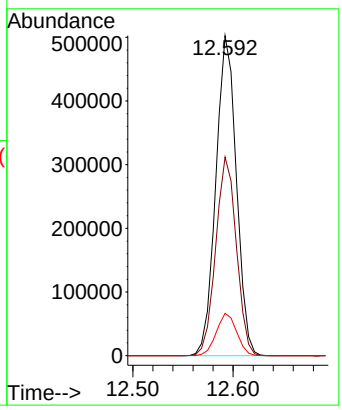




#41
Hexachlorocyclopentadiene
Concen: 63.016 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:237 Resp: 71489

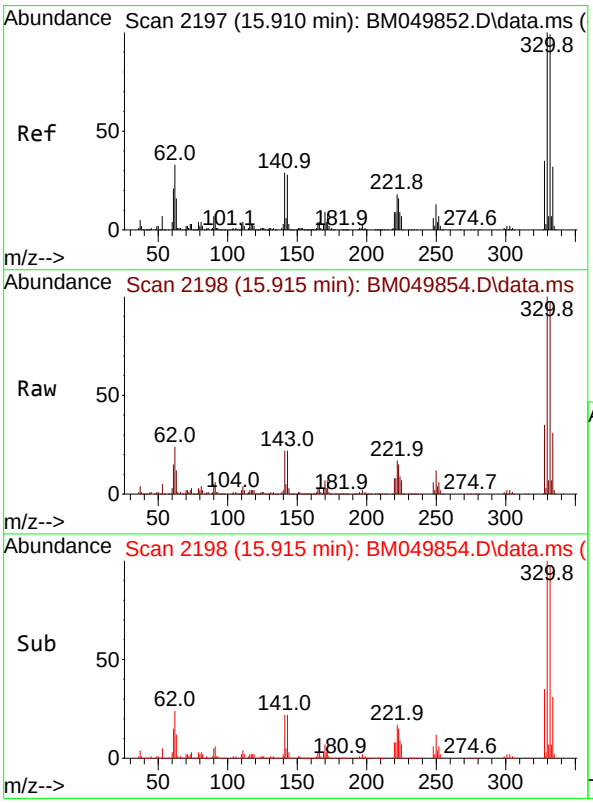
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.7	83.7
272	13.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

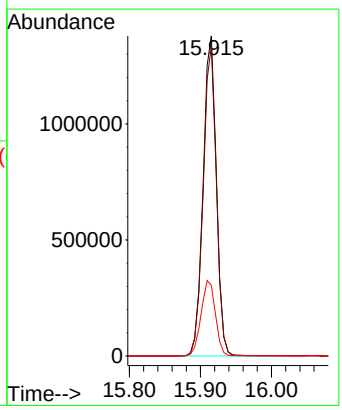
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

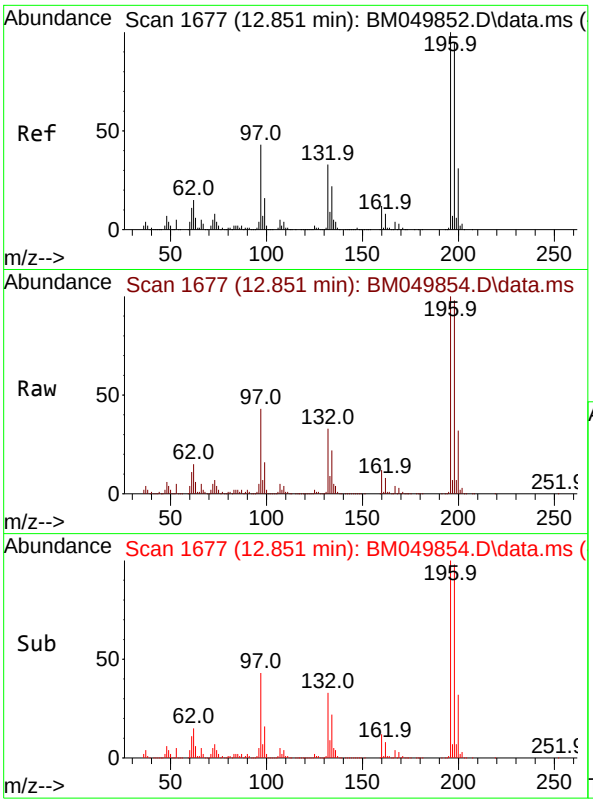


#42
2,4,6-Tribromophenol
Concen: 133.337 ng
RT: 15.915 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:330 Resp: 1794801

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	25.6	23.5	35.3

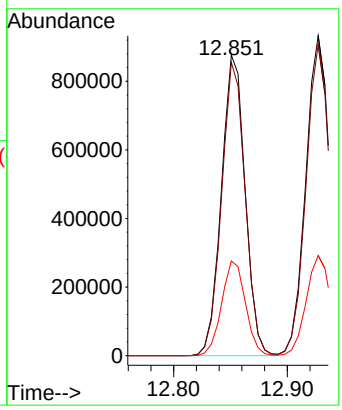




#43
2,4,6-Trichlorophenol
Concen: 61.873 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 127469

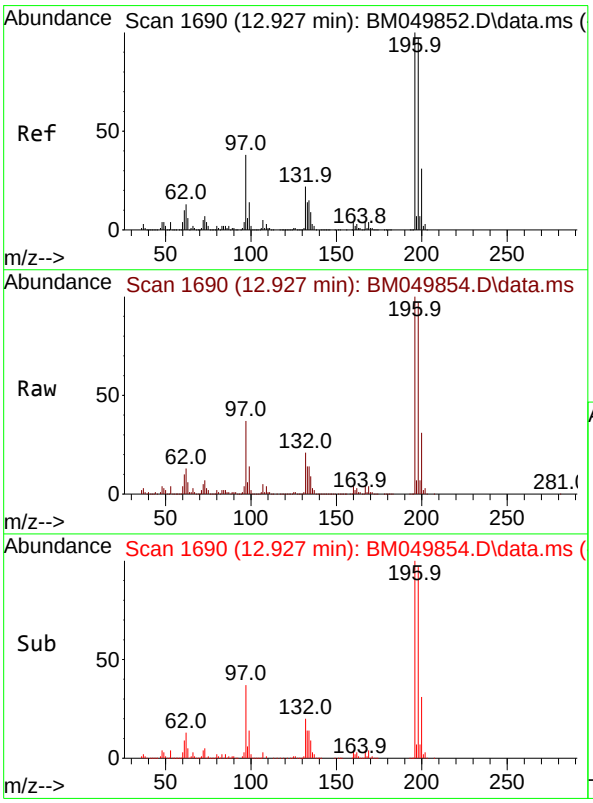
Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.5	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

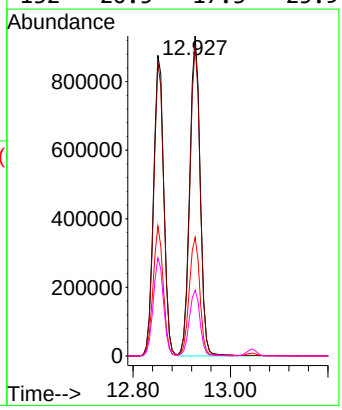
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

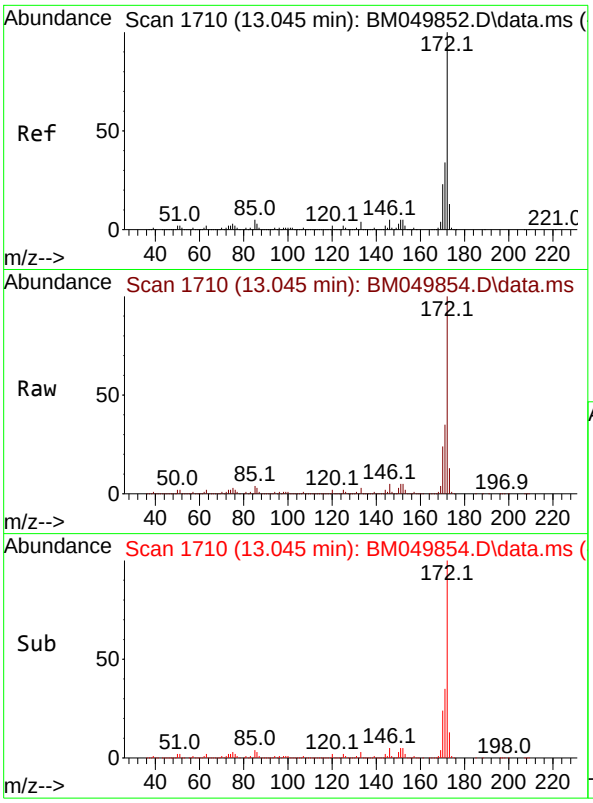


#44
2,4,5-Trichlorophenol
Concen: 62.494 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 1399112

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.7	116.5
97	37.1	30.3	45.5
132	20.5	17.3	25.9

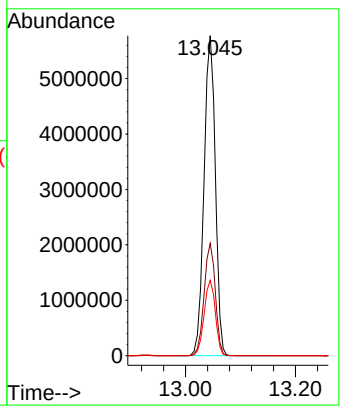




#45
2-Fluorobiphenyl
Concen: 120.538 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:172 Resp: 822625

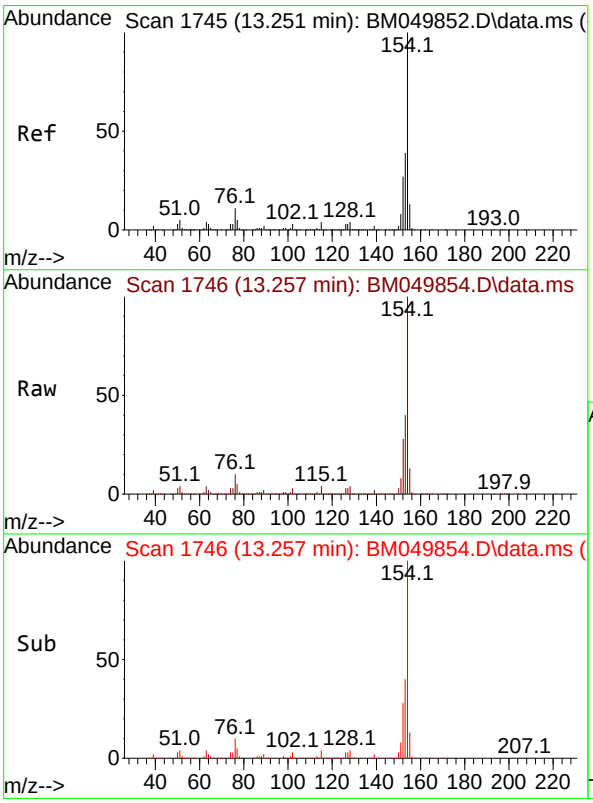
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

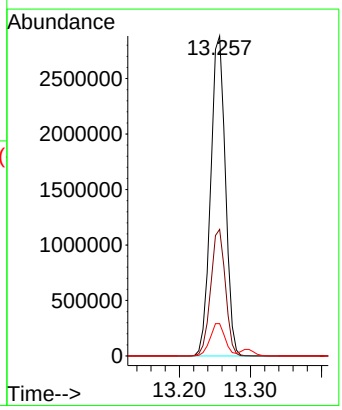
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

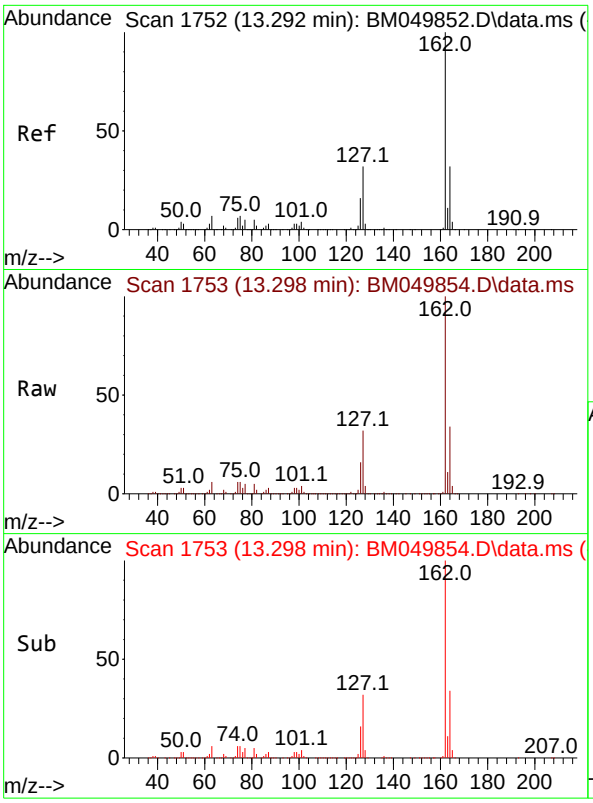


#46
1,1'-Biphenyl
Concen: 60.146 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 4137656

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.1	0.0	30.7

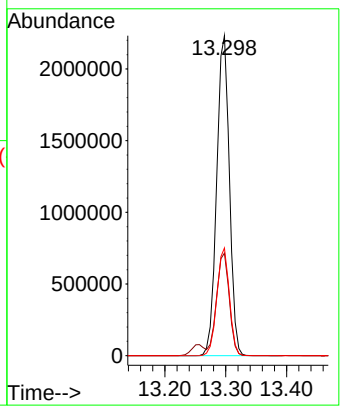




#47
2-Chloronaphthalene
Concen: 59.679 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 322686

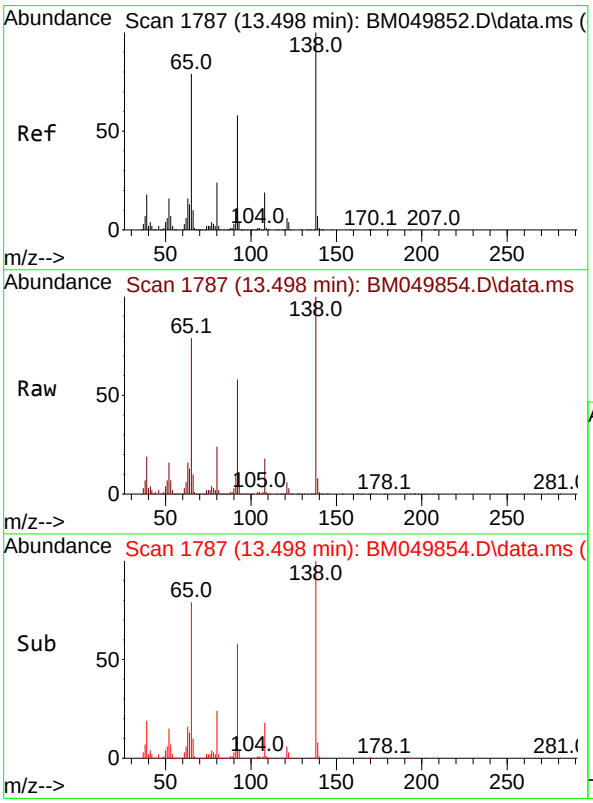
Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.7	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

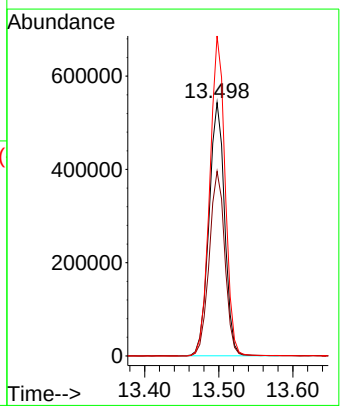
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

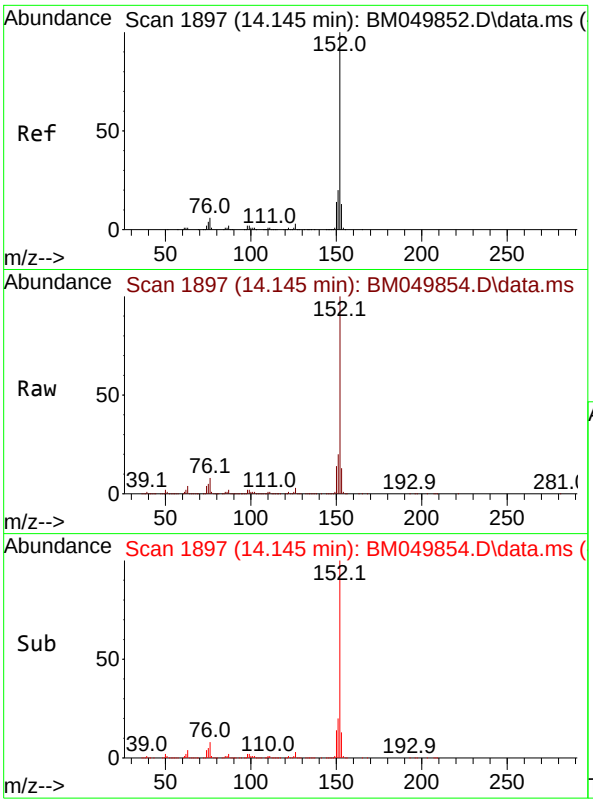


#48
2-Nitroaniline
Concen: 63.562 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 65 Resp: 795093

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.4	87.6
138	126.3	100.8	151.2

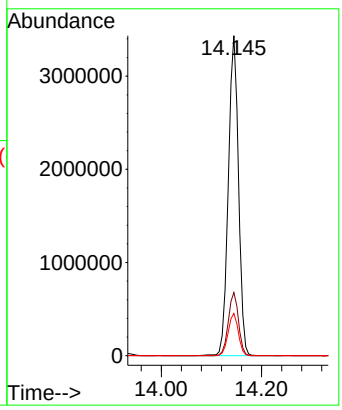




#49
Acenaphthylene
Concen: 61.175 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 481822

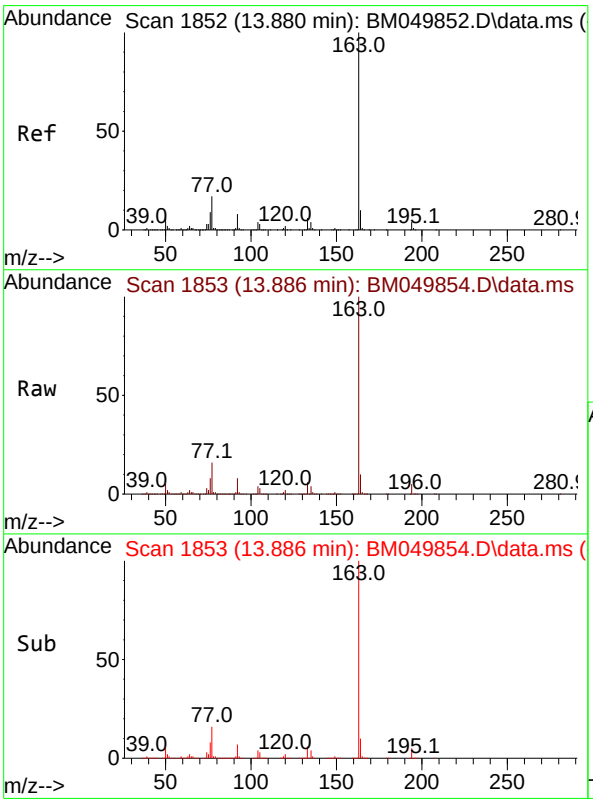
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

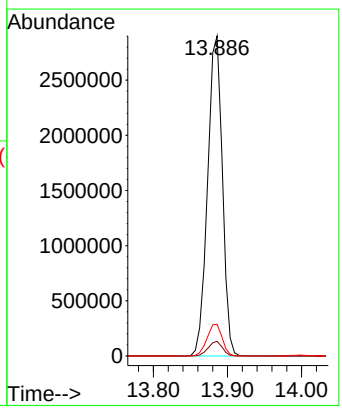
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

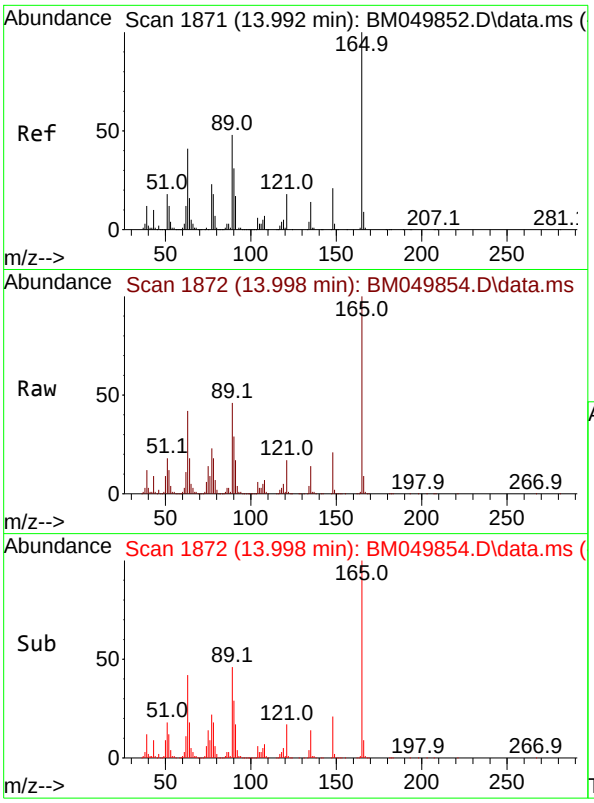


#50
Dimethylphthalate
Concen: 61.481 ng
RT: 13.886 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:163 Resp: 4013924

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.9	7.9	11.9

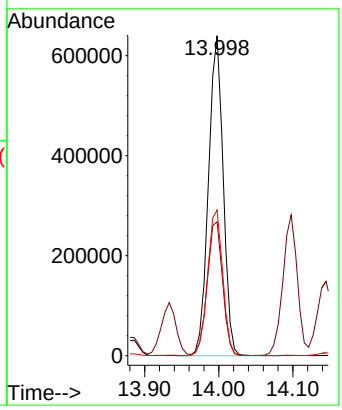




#51
2,6-Dinitrotoluene
Concen: 64.439 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 88143

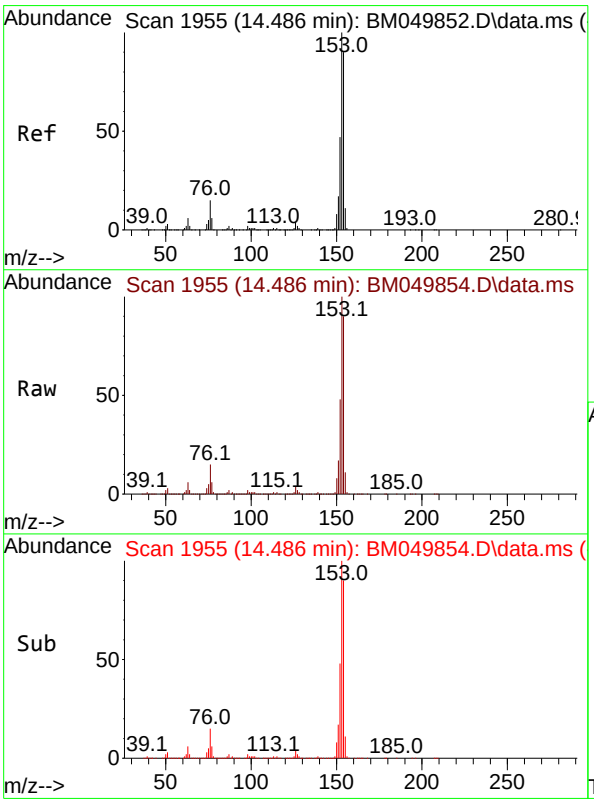
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	45.5	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

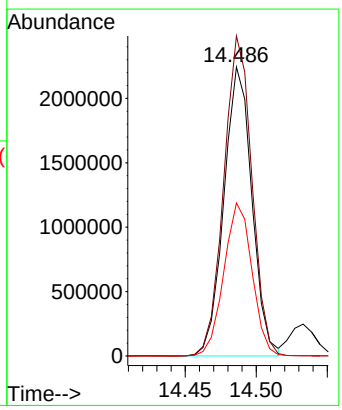
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

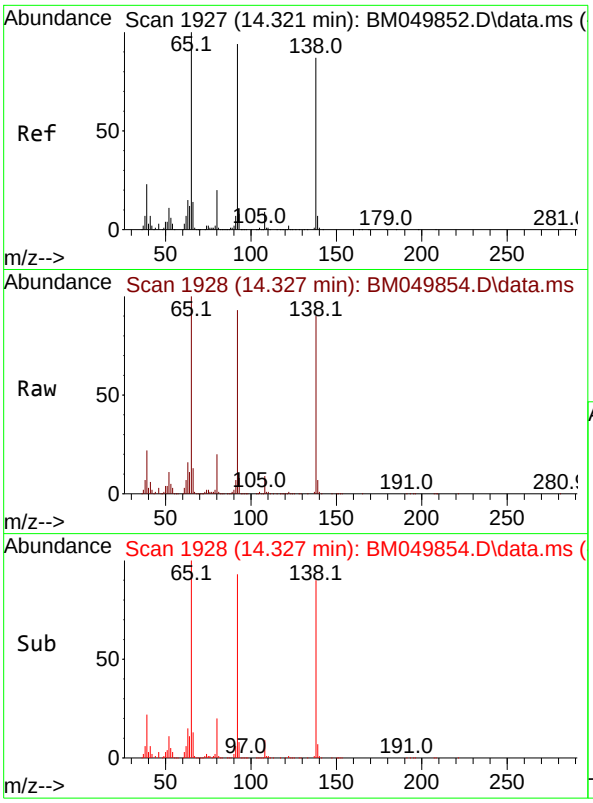


#52
Acenaphthene
Concen: 61.523 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 3082249

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	52.9	42.2	63.2





#53
3-Nitroaniline
Concen: 61.958 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

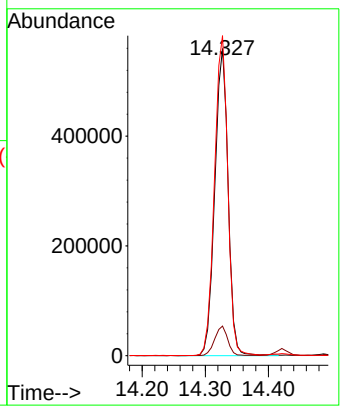
Tgt Ion:138 Resp: 81911

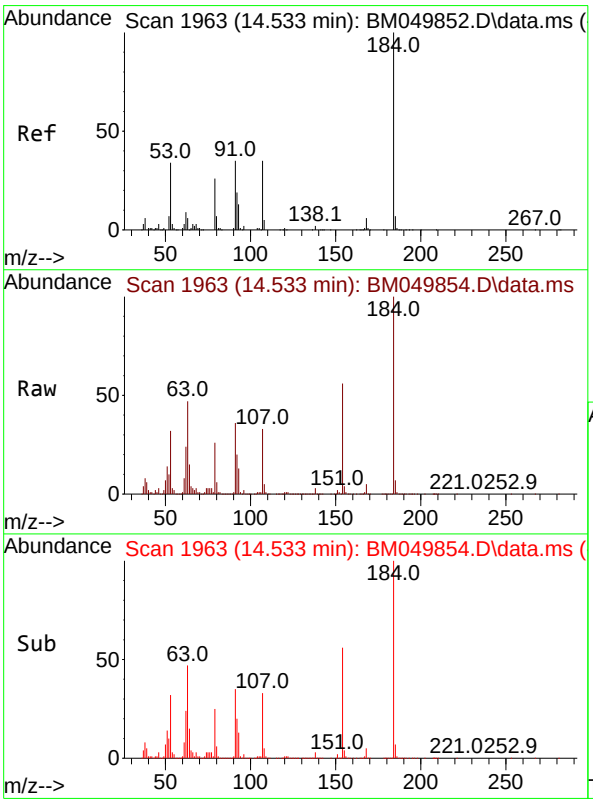
Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

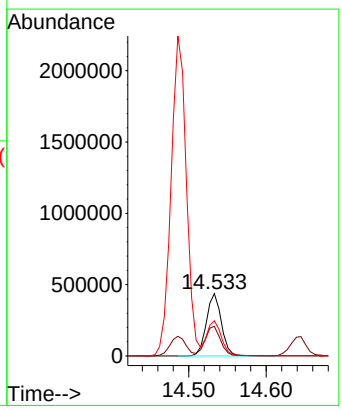


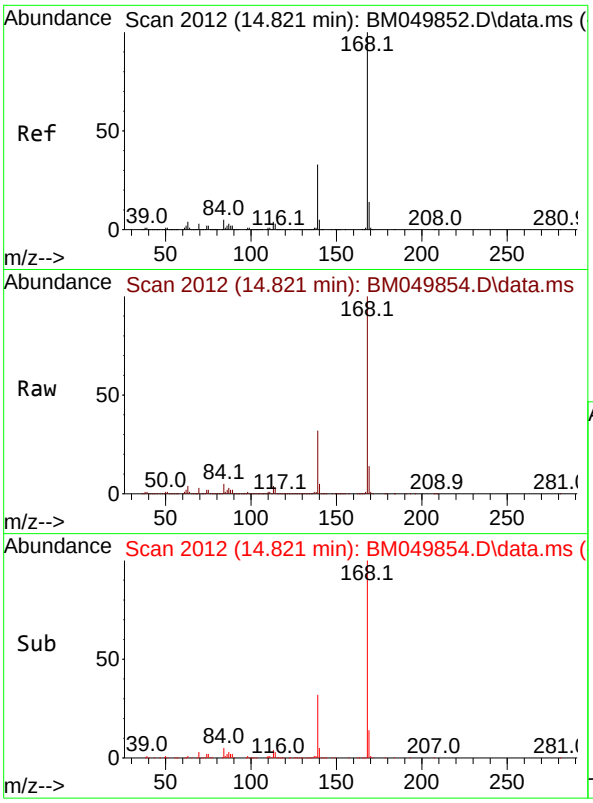


#54
2,4-Dinitrophenol
Concen: 61.369 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 589583

Ion	Ratio	Lower	Upper
184	100		
63	47.4	38.4	57.6
154	56.4	48.1	72.1

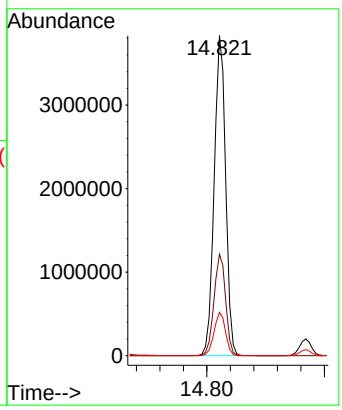




#55
Dibenzofuran
Concen: 61.715 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:168 Resp: 516864

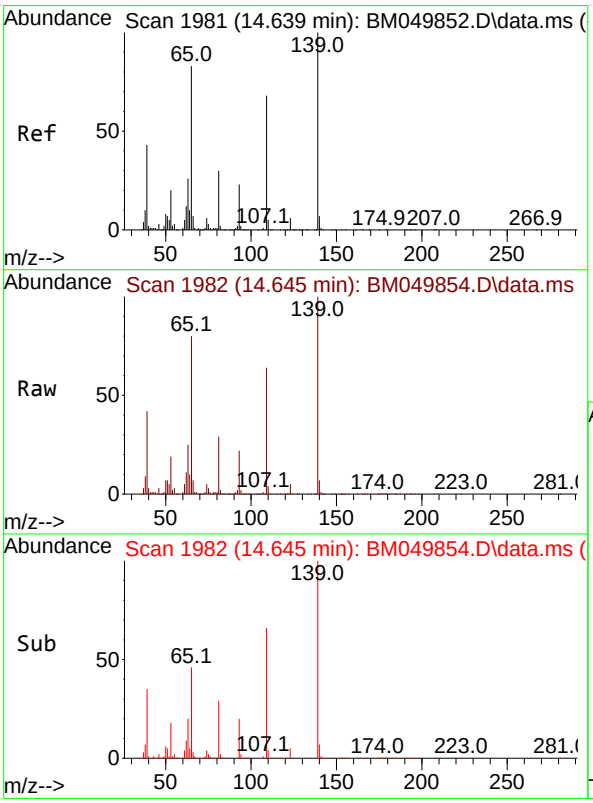
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

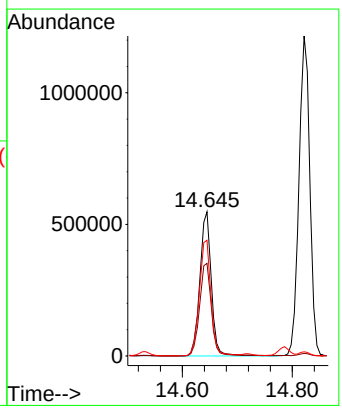
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

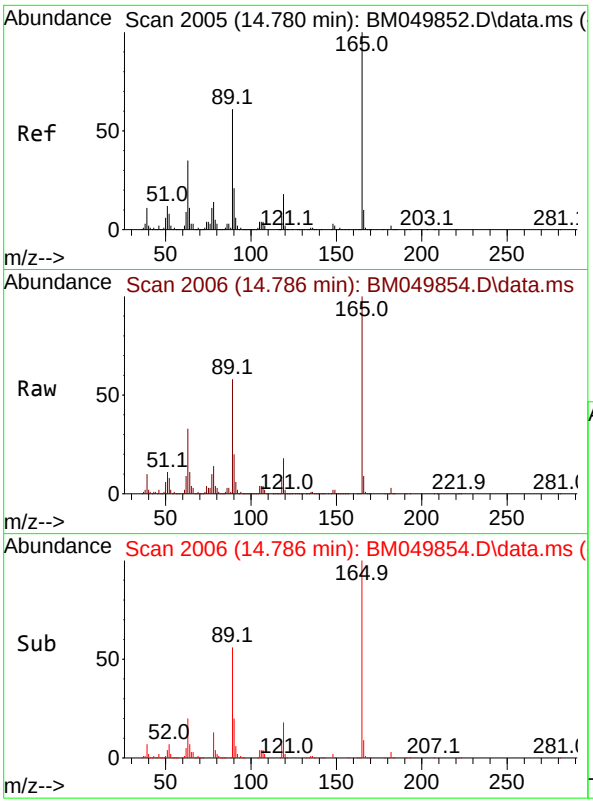


#56
4-Nitrophenol
Concen: 67.391 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 793938

Ion	Ratio	Lower	Upper
139	100		
109	64.2	47.9	87.9
65	80.3	62.7	102.7

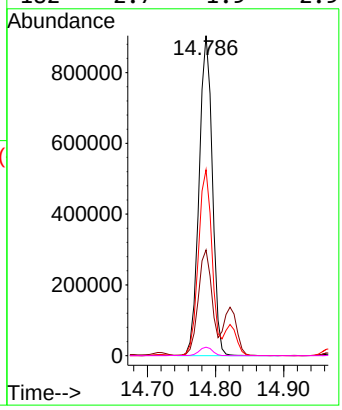




#57
2,4-Dinitrotoluene
Concen: 67.011 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 122283

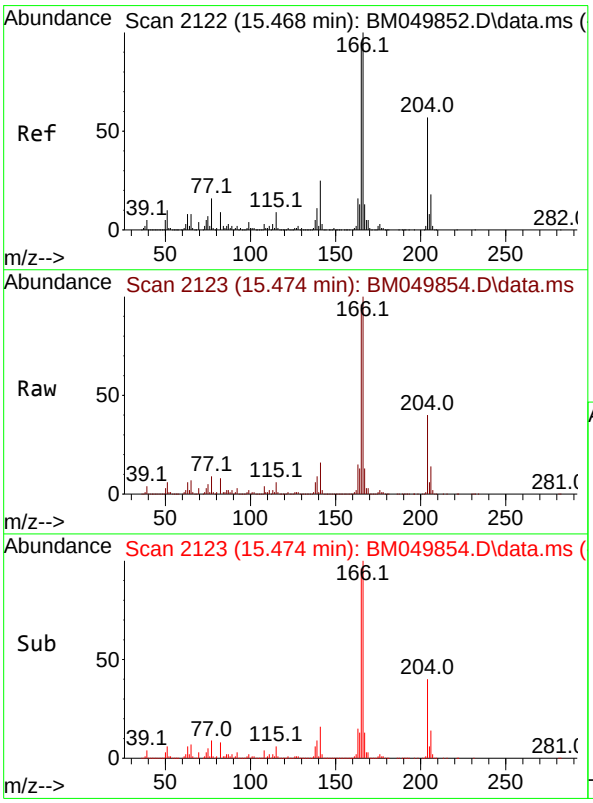
Ion	Ratio	Lower	Upper
165	100		
63	33.0	28.6	42.8
89	58.1	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

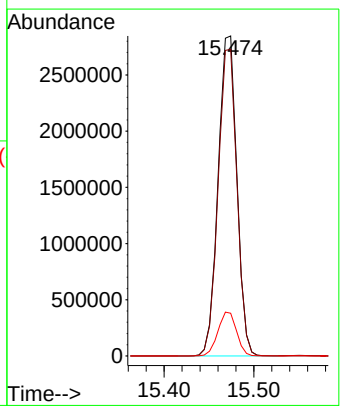
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

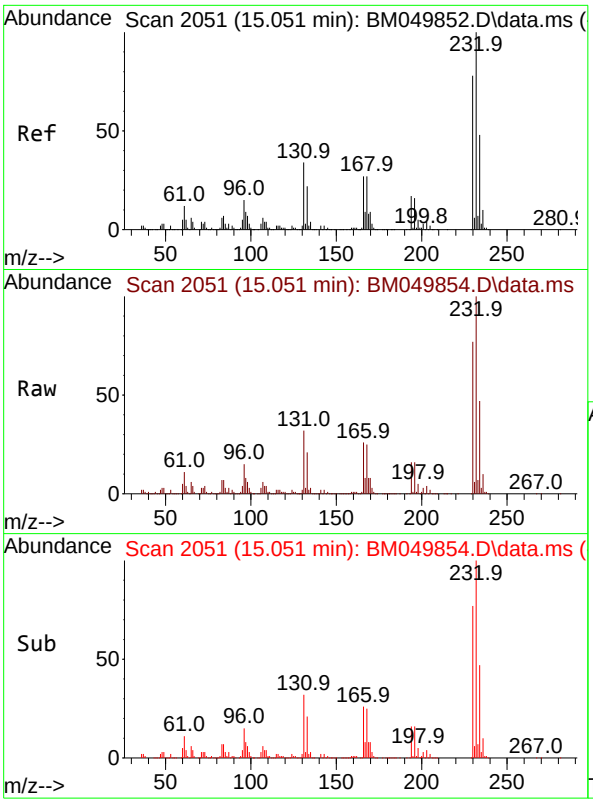


#58
Fluorene
Concen: 62.111 ng
RT: 15.474 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:166 Resp: 4134865

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.3	114.5
167	13.3	10.7	16.1

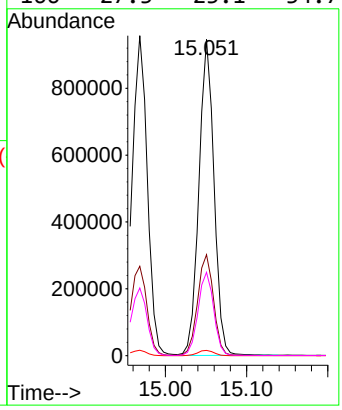




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.237 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:232 Resp: 122125

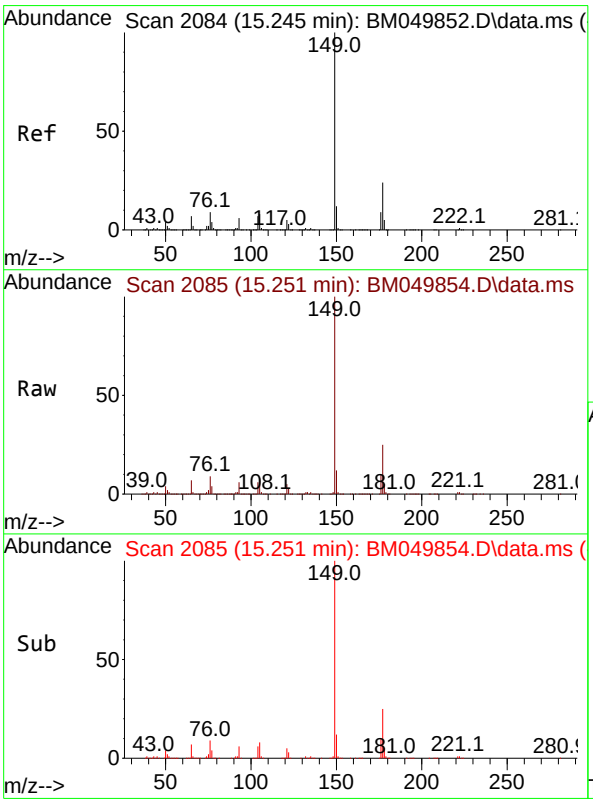
Ion	Ratio	Lower	Upper
232	100		
131	33.9	28.4	42.6
130	1.8	1.6	2.4
166	27.3	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

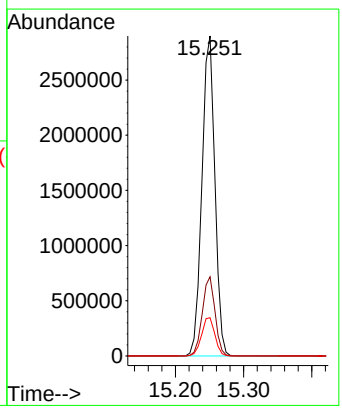
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

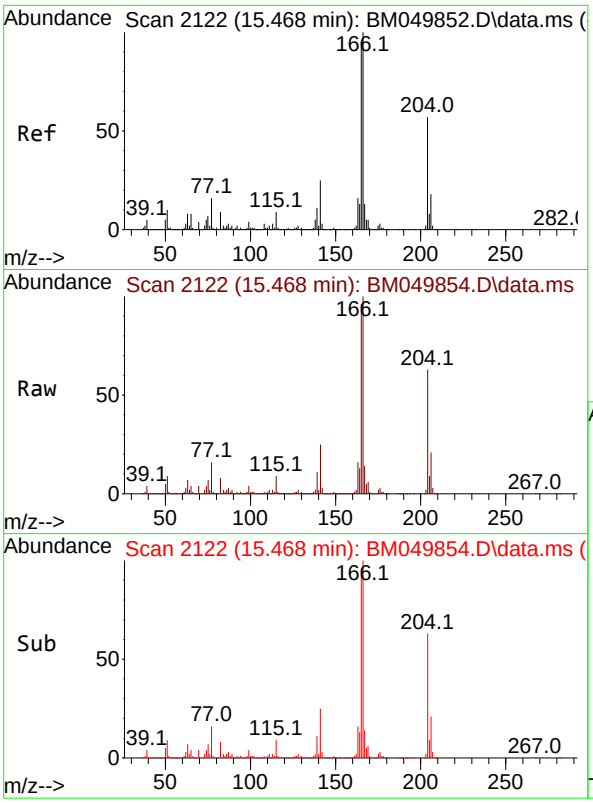


#60
Diethylphthalate
Concen: 61.113 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 3826285

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 64.546 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

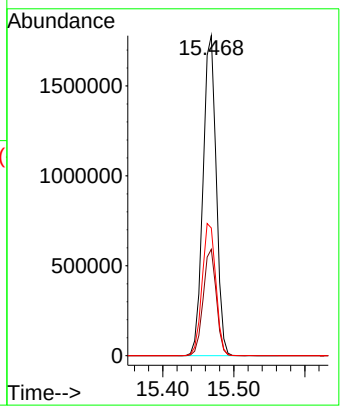
Tgt Ion:204 Resp: 230374

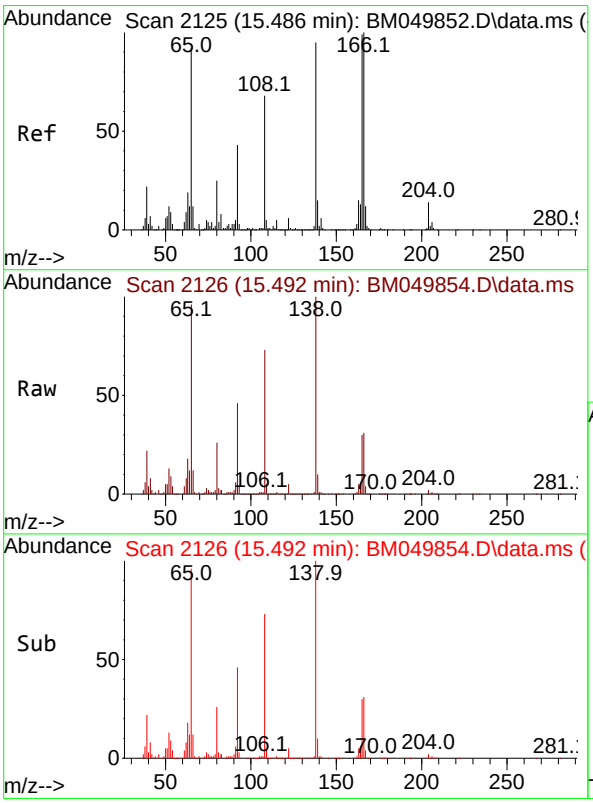
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	39.9	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

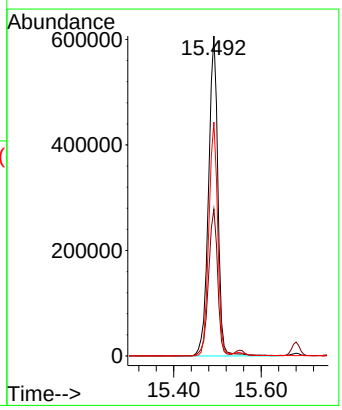


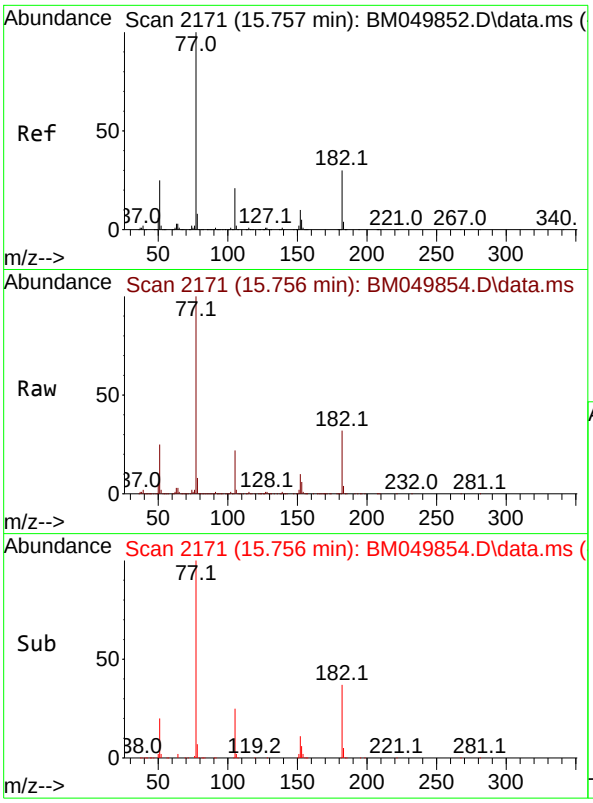


#62
4-Nitroaniline
Concen: 66.324 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:138 Resp: 906760

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	73.1	51.7	91.7

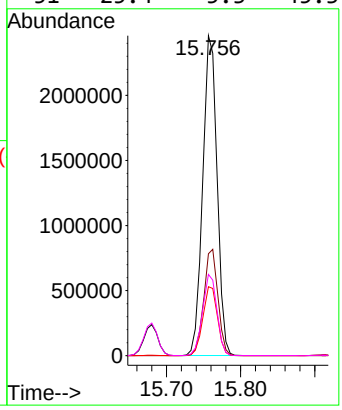




#63
Azobenzene
Concen: 61.760 ng
RT: 15.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 331055

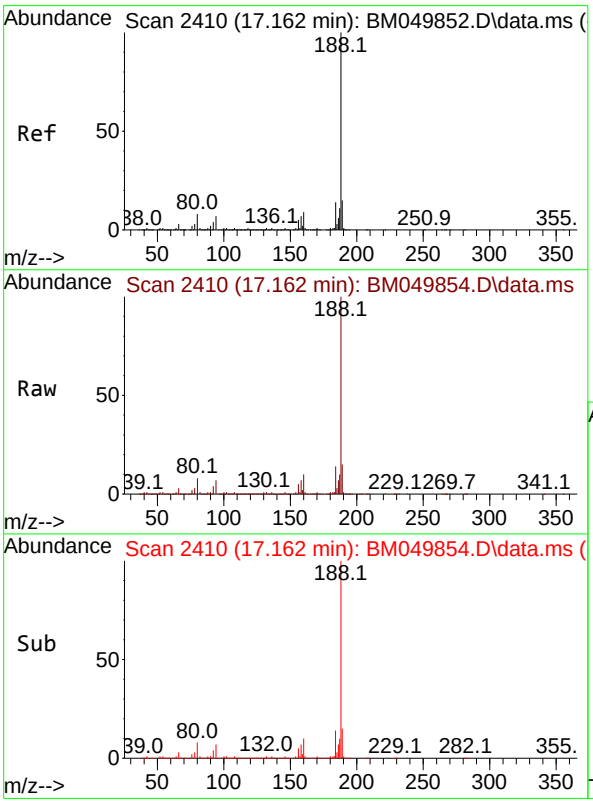
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

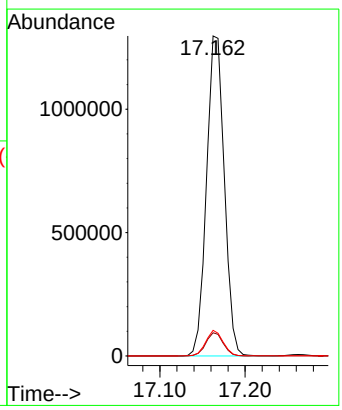
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

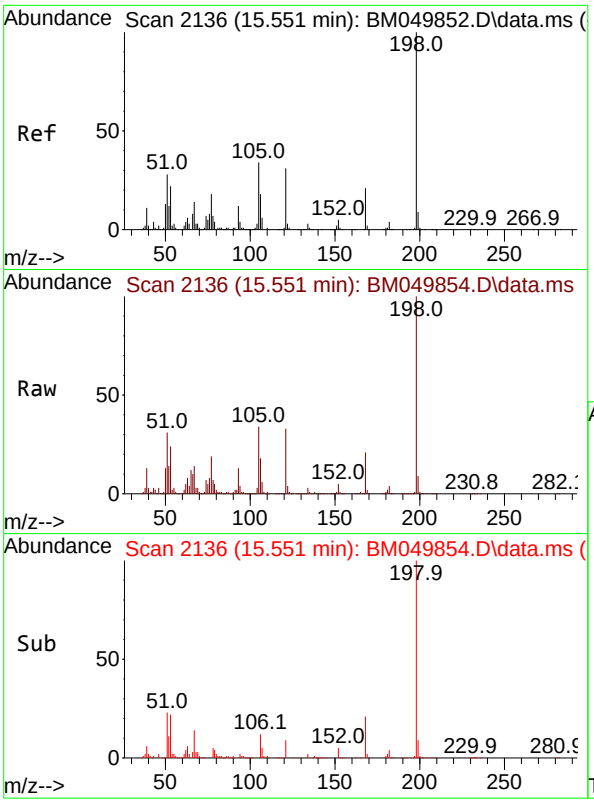


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:188 Resp: 1882039

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 65.675 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

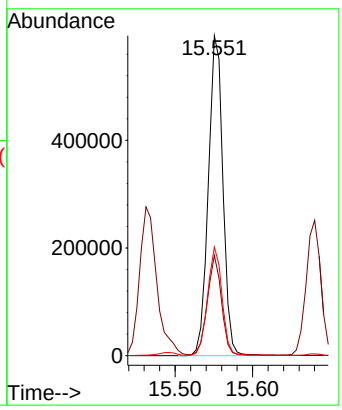
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

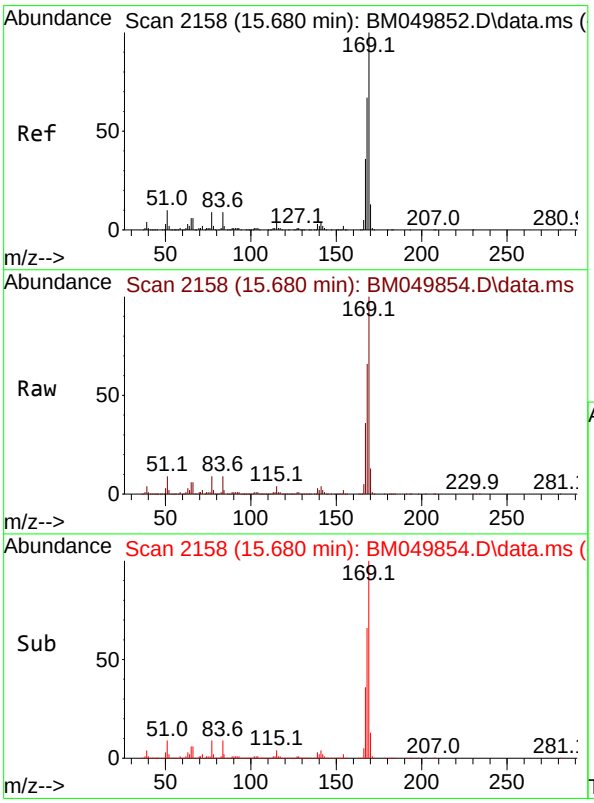
Tgt Ion:198 Resp: 77888

Ion	Ratio	Lower	Upper
198	100		
51	31.3	9.6	49.6
105	33.9	14.7	54.7

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

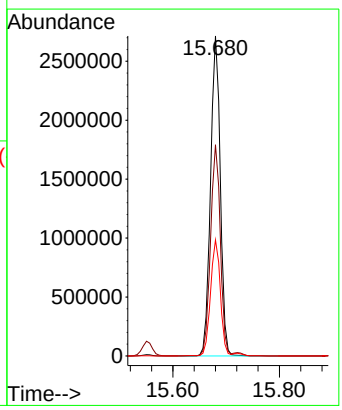


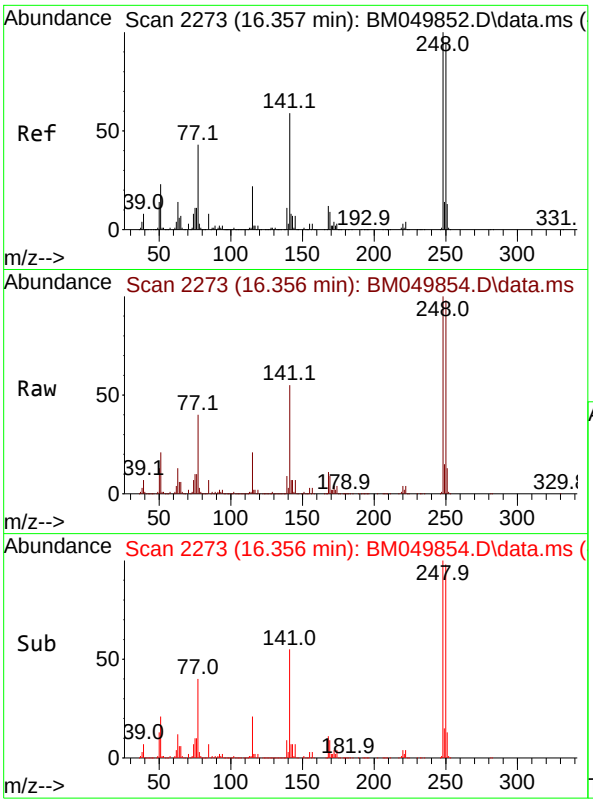


#66
n-Nitrosodiphenylamine
Concen: 61.149 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:169 Resp: 3444083

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.2
167	36.3	29.0	43.6

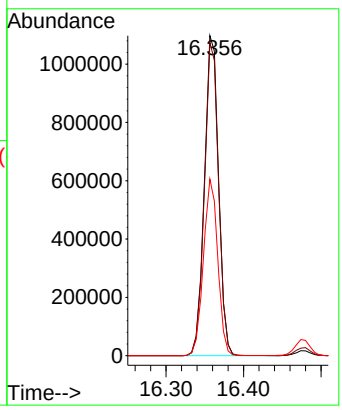




#67
4-Bromophenyl-phenylether
Concen: 63.930 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:248 Resp: 139675

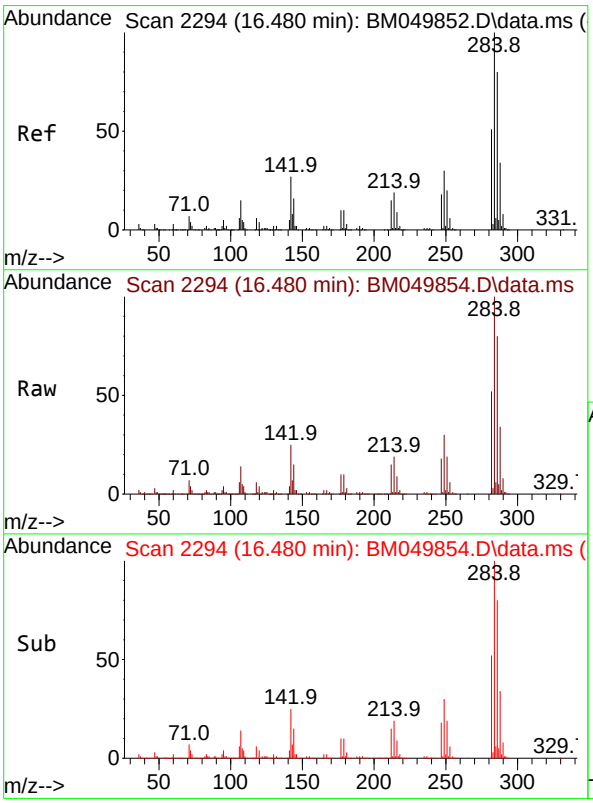
Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	55.2	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

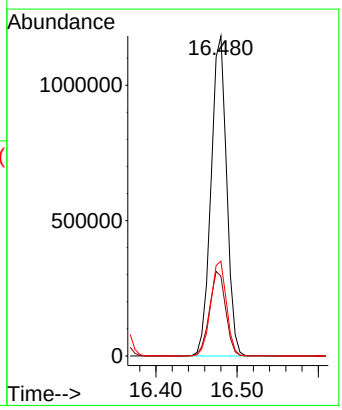
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

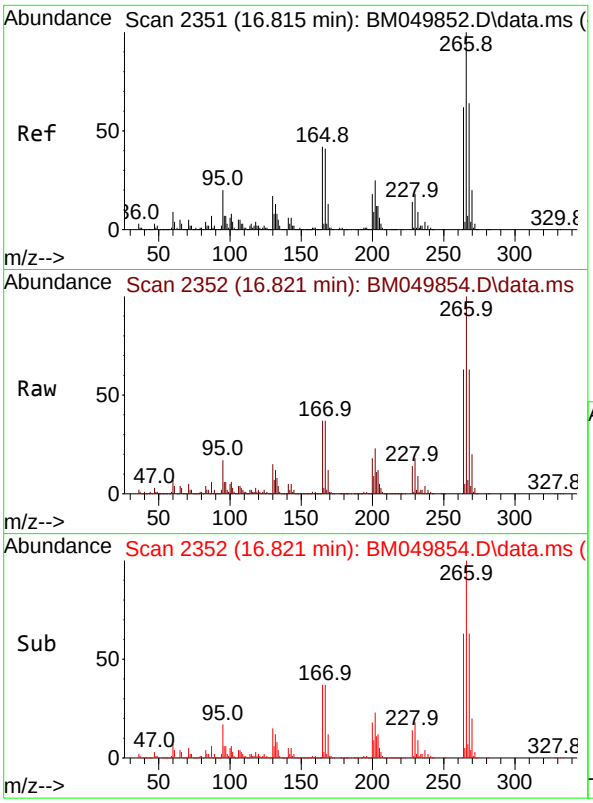


#68
Hexachlorobenzene
Concen: 62.842 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:284 Resp: 1574846

Ion	Ratio	Lower	Upper
284	100		
142	24.9	21.2	31.8
249	29.6	24.1	36.1

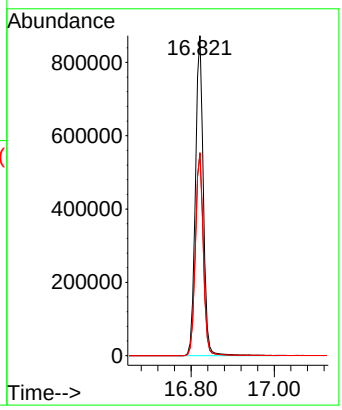




#70
Pentachlorophenol
Concen: 62.277 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:266 Resp: 114901

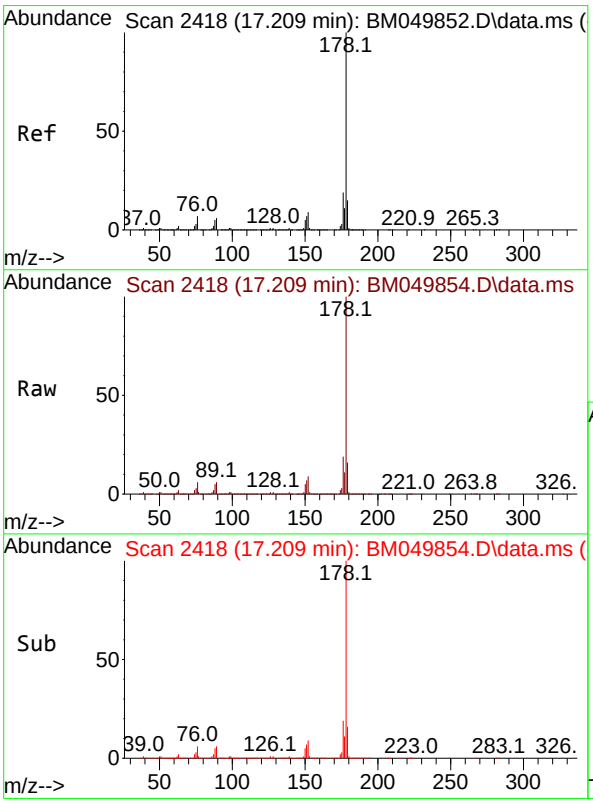
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.3	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

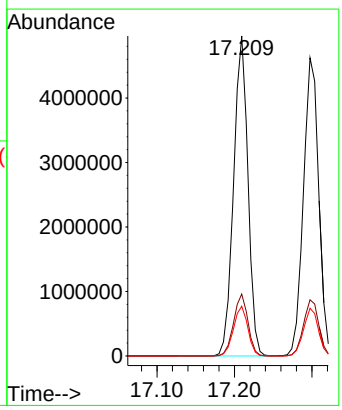
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

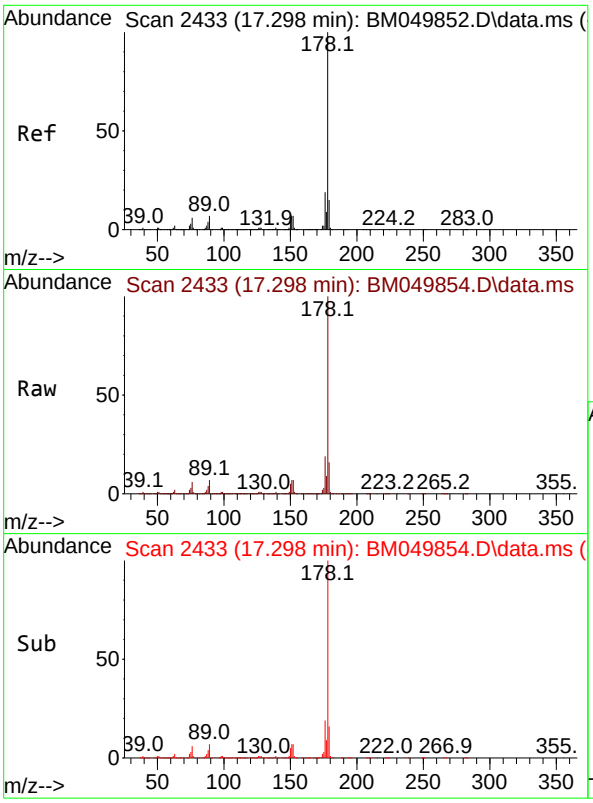


#71
Phenanthrene
Concen: 62.082 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 6405696

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.3	18.5





#72
Anthracene
Concen: 62.444 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

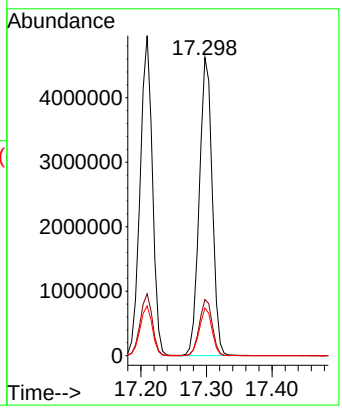
Tgt Ion:178 Resp: 634945

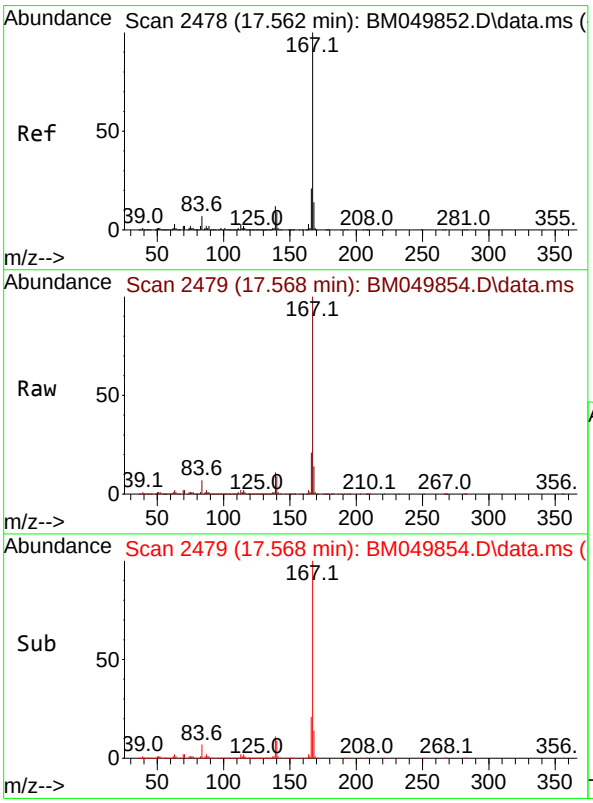
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.0	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

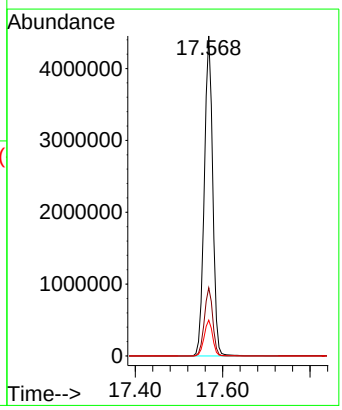


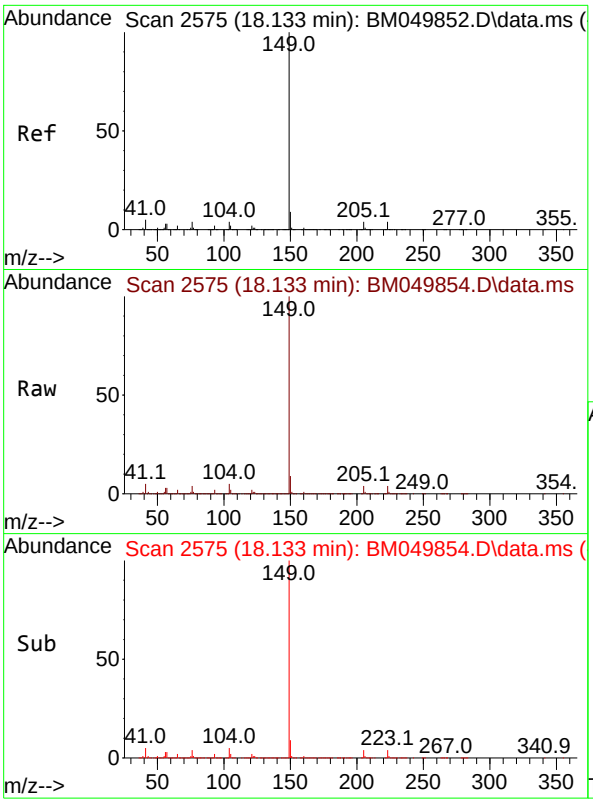


#73
Carbazole
Concen: 62.468 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:167 Resp: 5982768

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.2	9.3	13.9

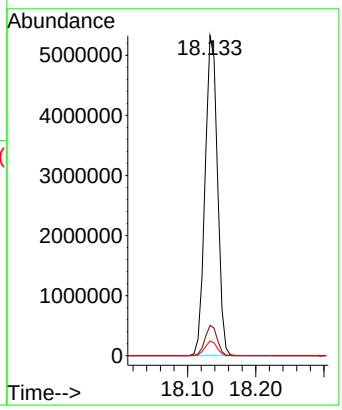




#74
Di-n-butylphthalate
Concen: 60.955 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 672403

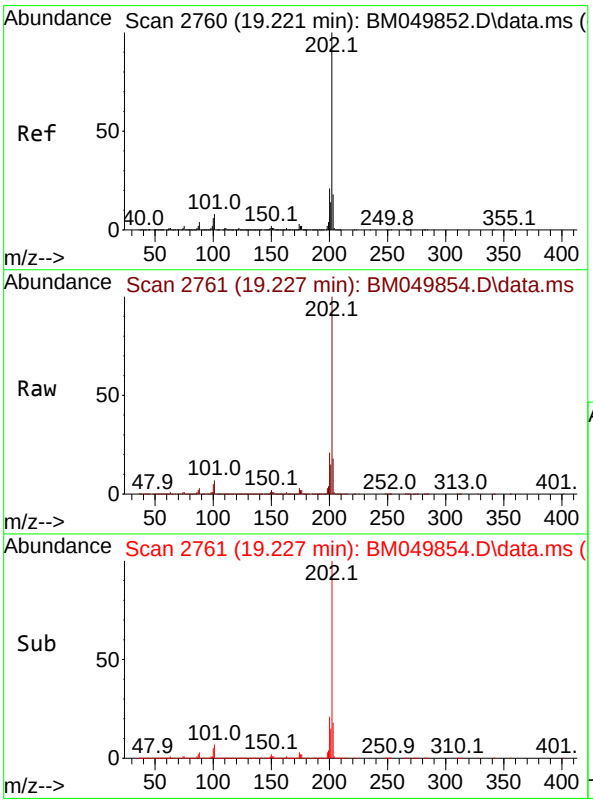
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

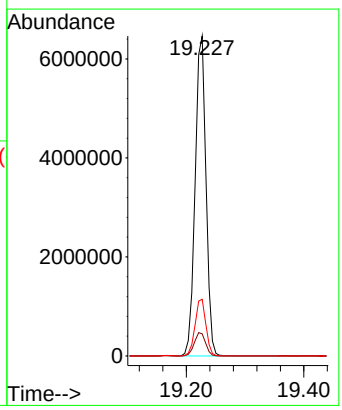
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

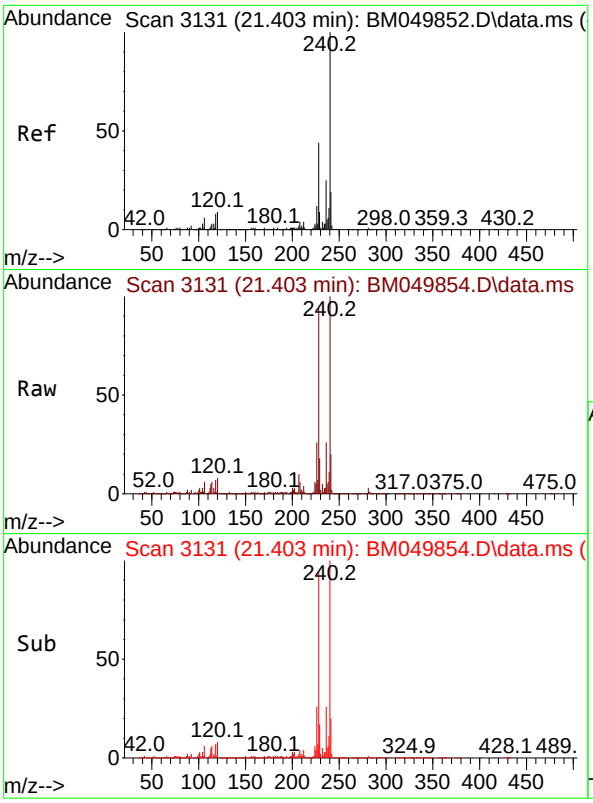


#75
Fluoranthene
Concen: 65.108 ng
RT: 19.227 min Scan# 2761
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:202 Resp: 8260007

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.4
203	17.7	0.0	37.8

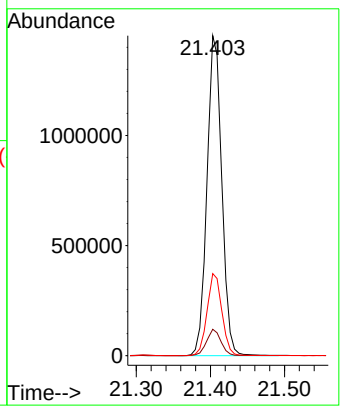




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:240 Resp: 201820

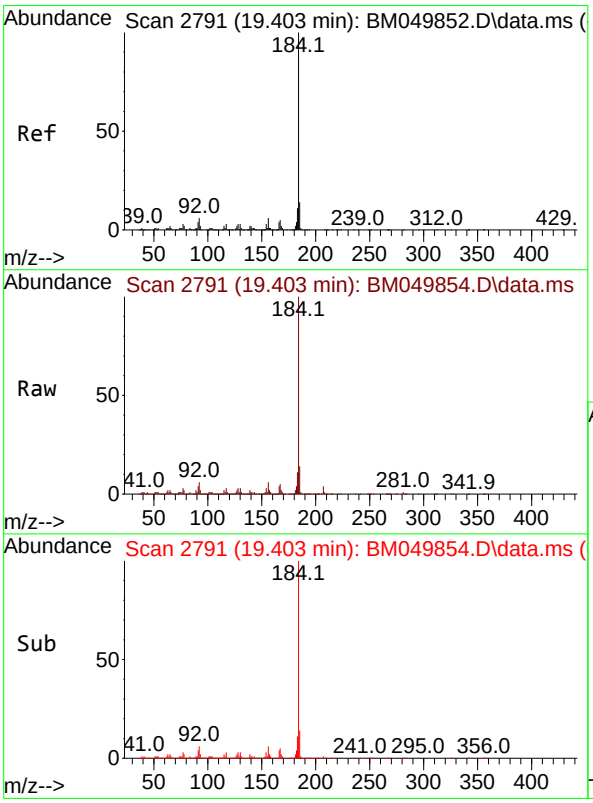
Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.9	10.3
236	25.7	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

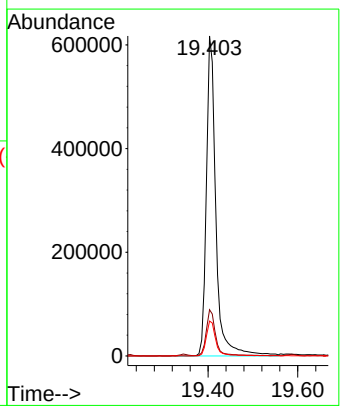
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

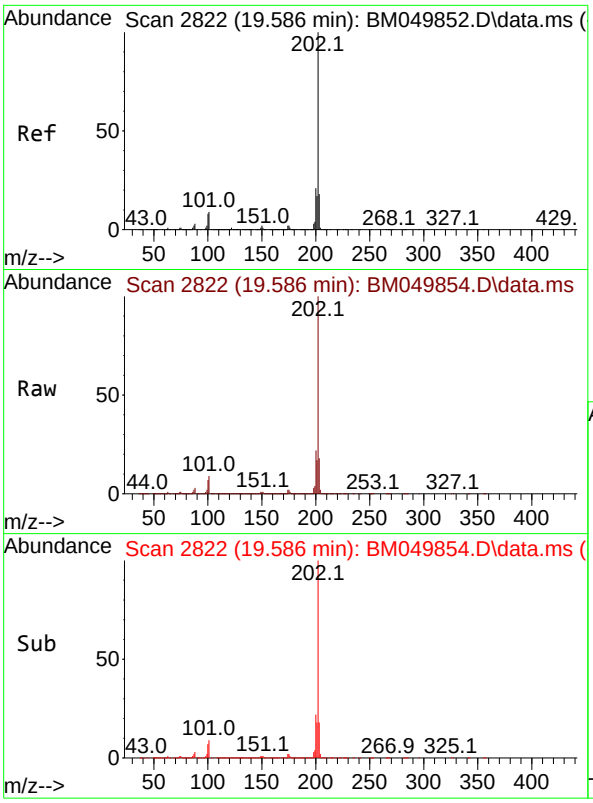


#77
Benzidine
Concen: 33.955 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 909121

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	10.9	8.8	13.2

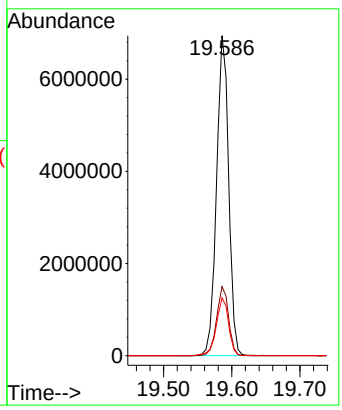




#78
Pyrene
Concen: 61.771 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:202 Resp: 859175

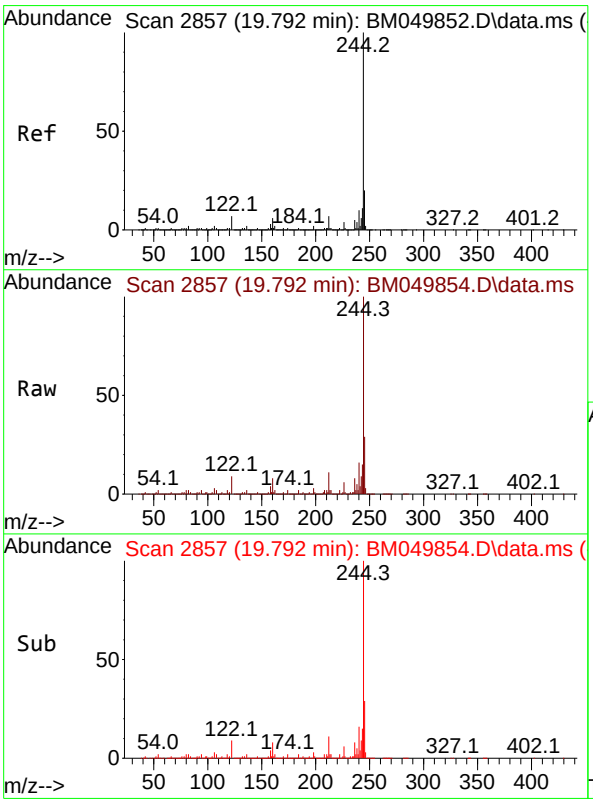
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.1	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

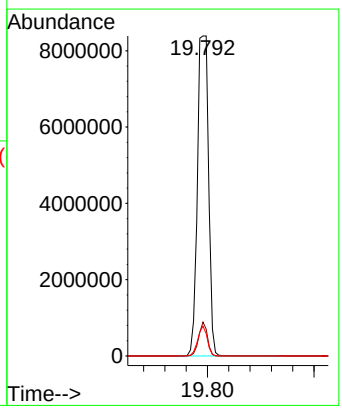
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

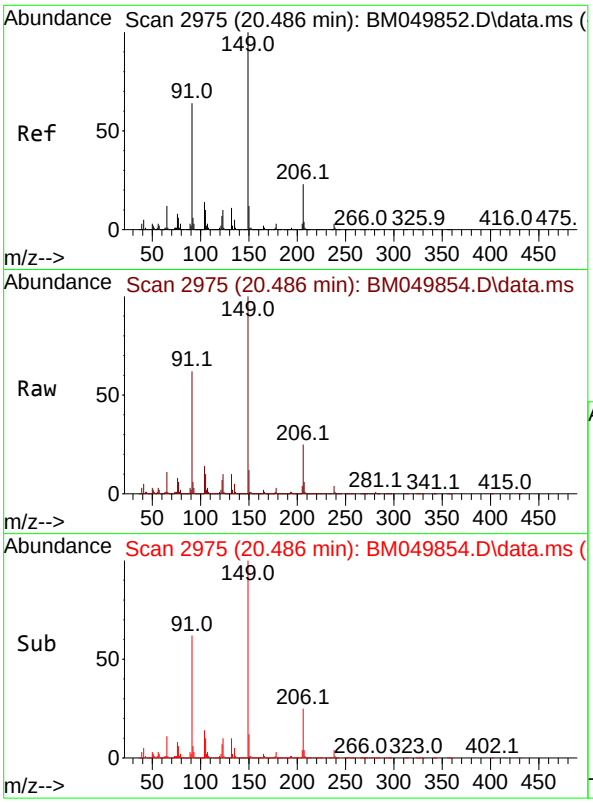


#79
Terphenyl-d14
Concen: 113.188 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:244 Resp:12189474

Ion	Ratio	Lower	Upper
244	100		
212	10.6	5.5	8.3#
122	9.3	5.4	8.0#

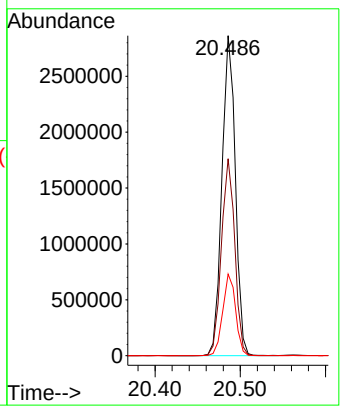




#80
Butylbenzylphthalate
Concen: 59.763 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 312345

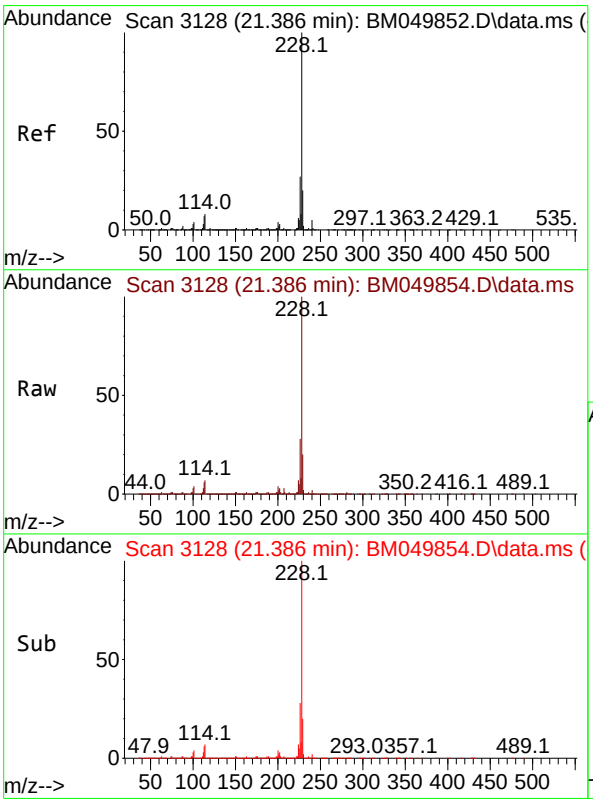
Ion	Ratio	Lower	Upper
149	100		
91	61.5	50.9	76.3
206	25.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

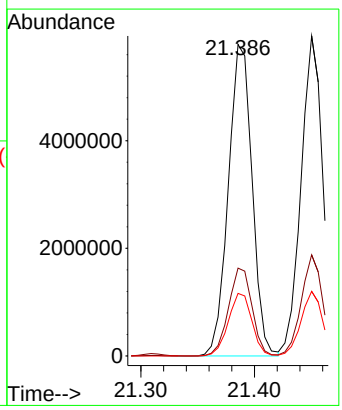
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

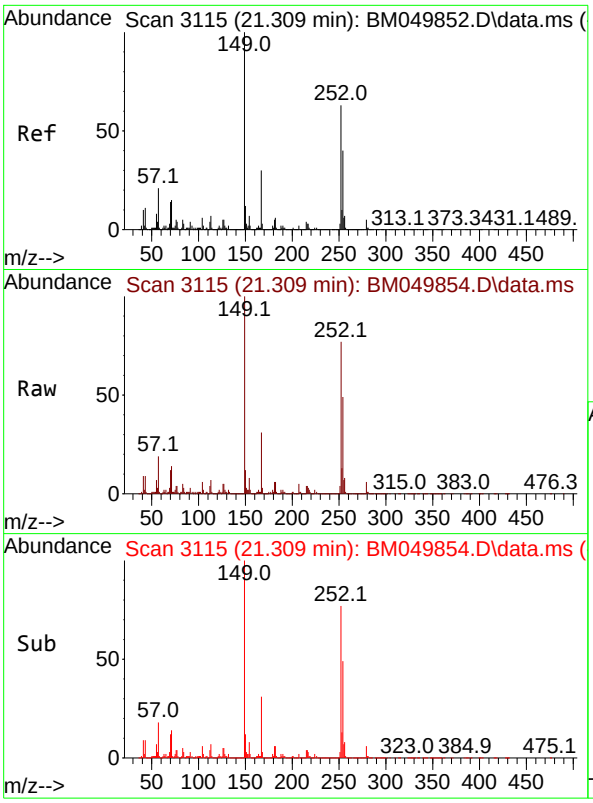


#81
Benzo(a)anthracene
Concen: 62.811 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 8424711

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.1	15.8	23.8

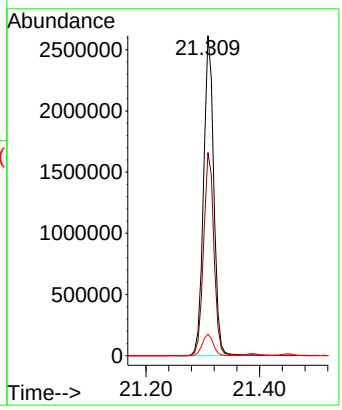




#82
3,3'-Dichlorobenzidine
Concen: 64.252 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 325453

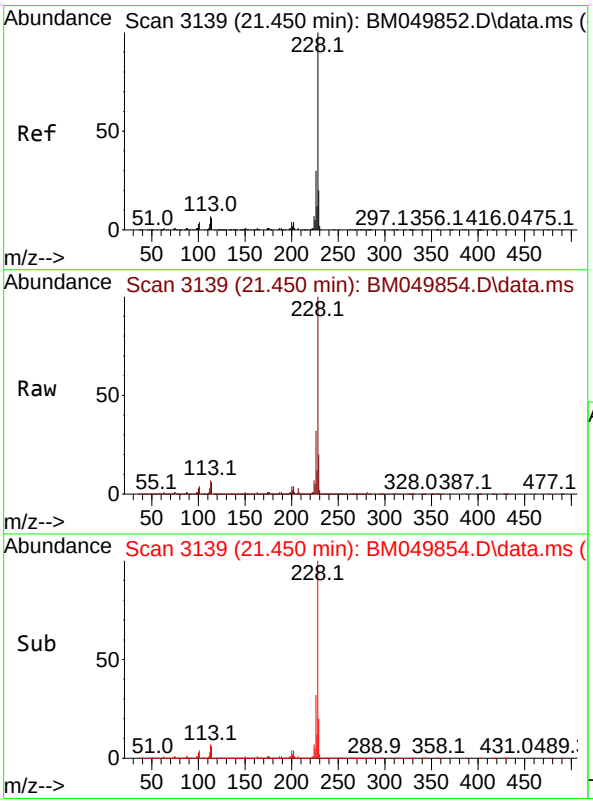
Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	6.7	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

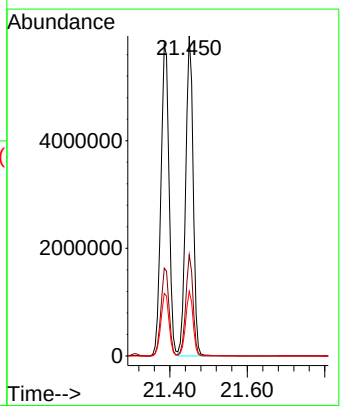
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

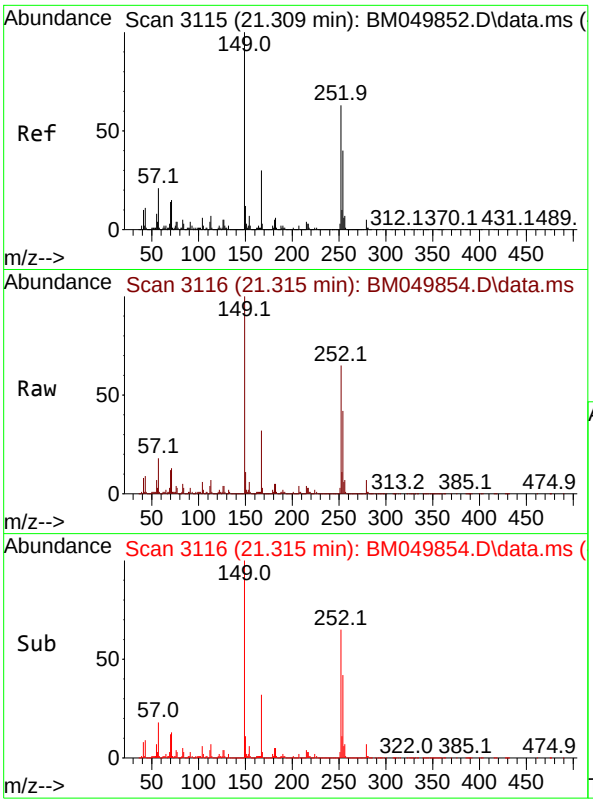


#83
Chrysene
Concen: 62.573 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 7979154

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	20.2	15.8	23.6

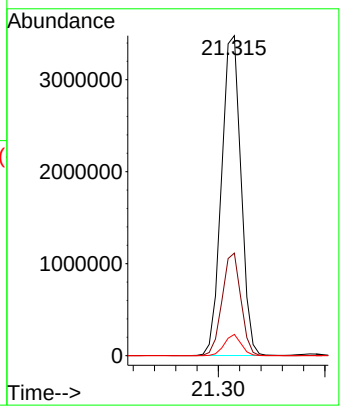




#84
Bis(2-ethylhexyl)phthalate
Concen: 57.790 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 440046

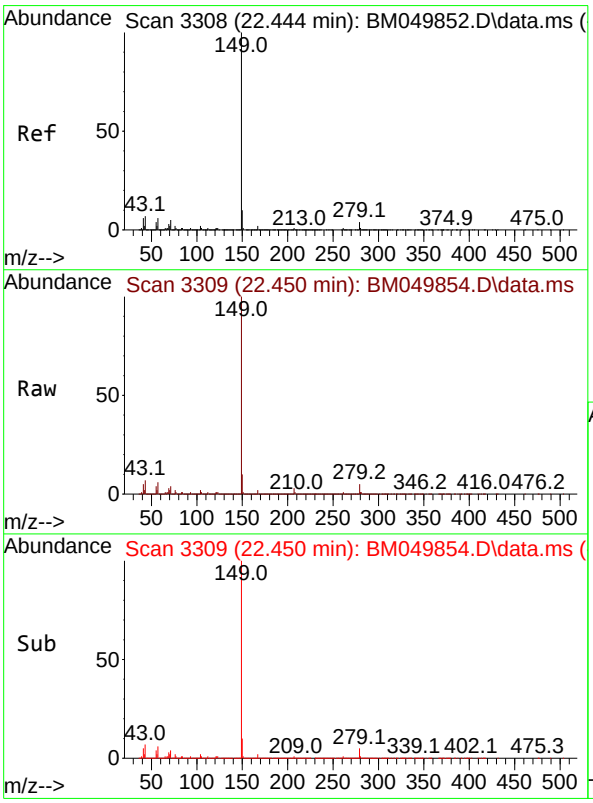
Ion	Ratio	Lower	Upper
149	100		
167	32.1	23.8	35.6
279	6.7	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

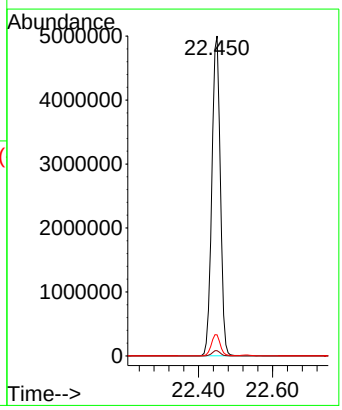
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

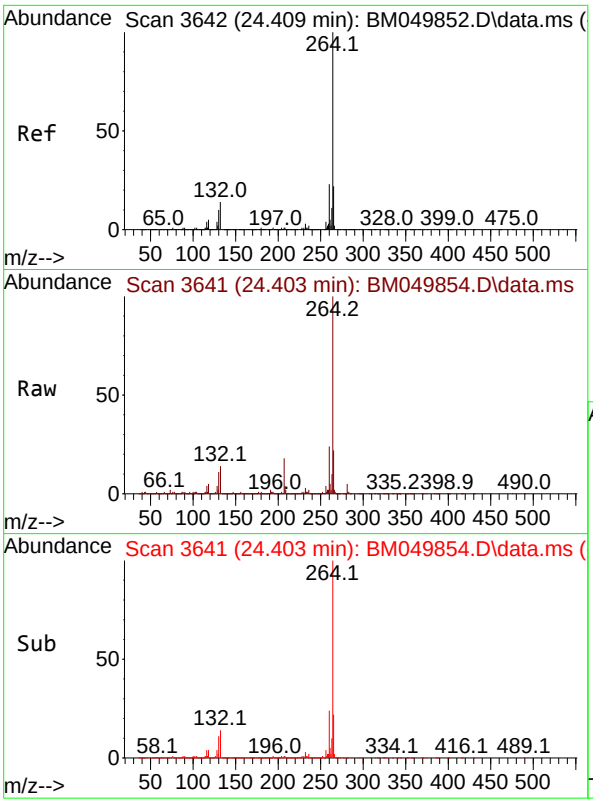


#85
Di-n-octyl phthalate
Concen: 59.593 ng
RT: 22.450 min Scan# 3309
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 7938550

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

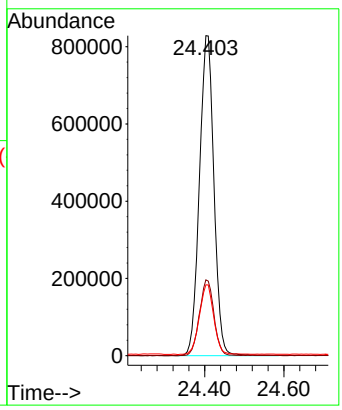




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:264 Resp: 210323

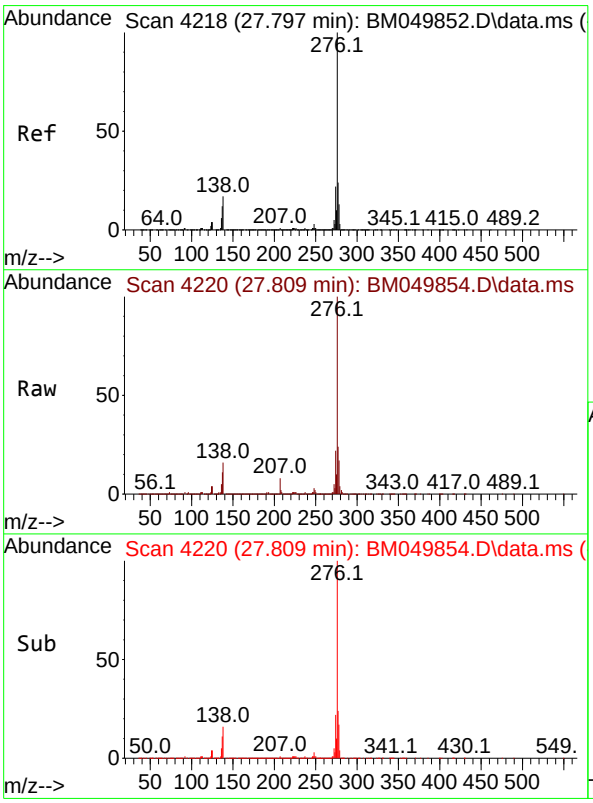
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.1	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

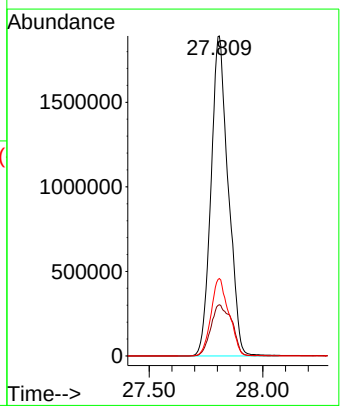
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

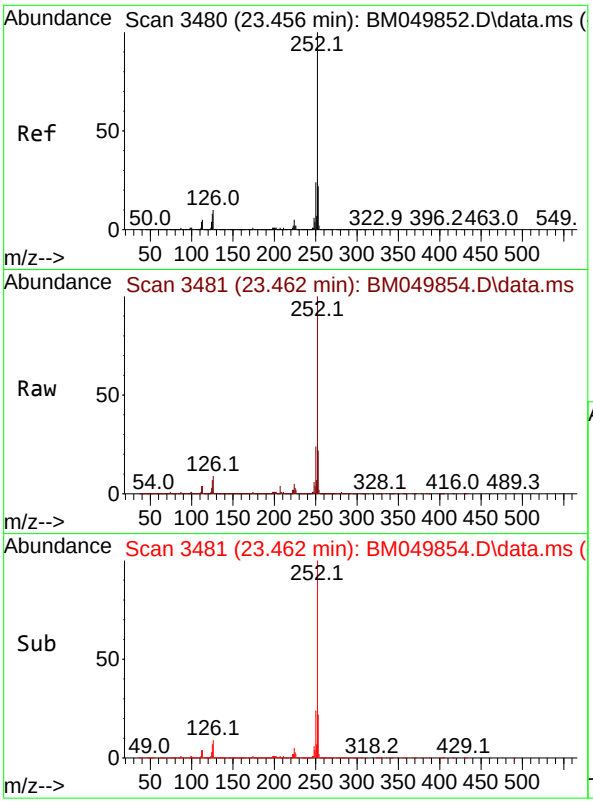


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.483 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 9952687

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1

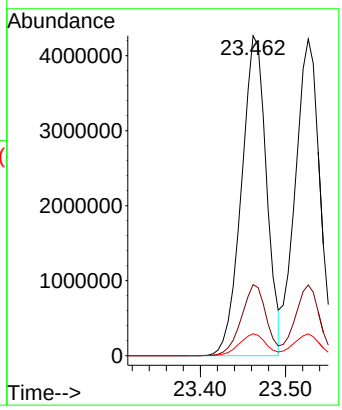




#88
Benzo(b)fluoranthene
Concen: 64.785 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 870223

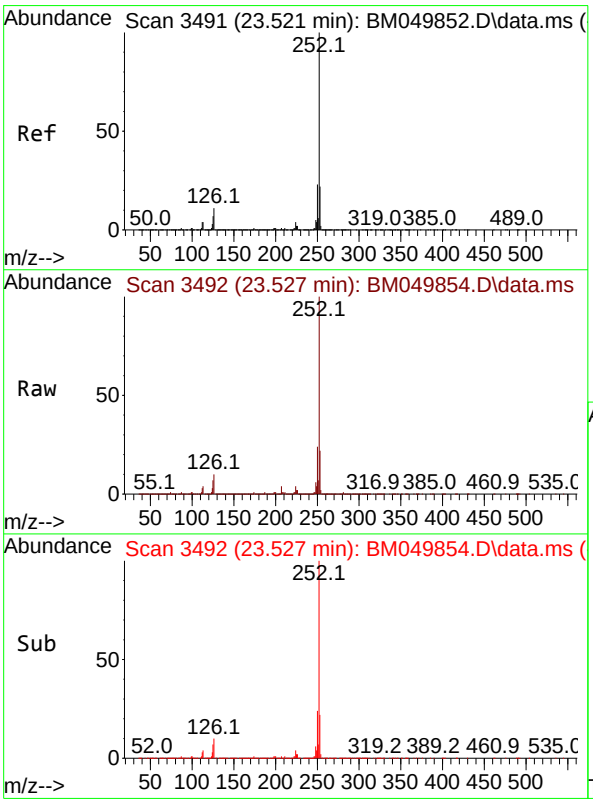
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.9	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

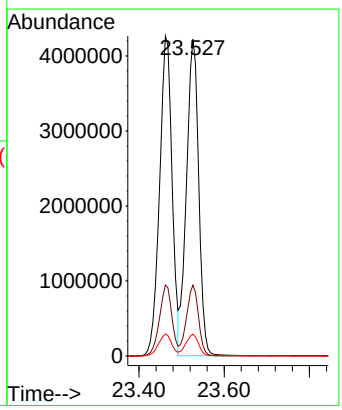
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

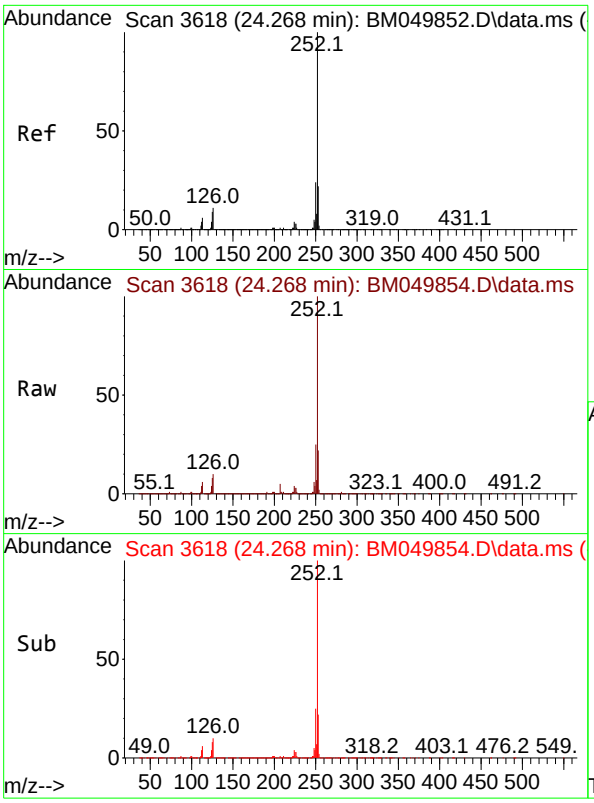


#89
Benzo(k)fluoranthene
Concen: 64.749 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 8428431

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.9	5.8	8.8

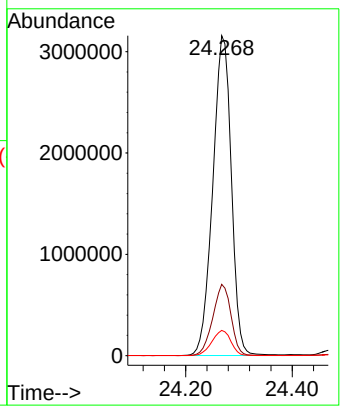




#90
Benzo(a)pyrene
Concen: 64.633 ng
RT: 24.268 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 762910

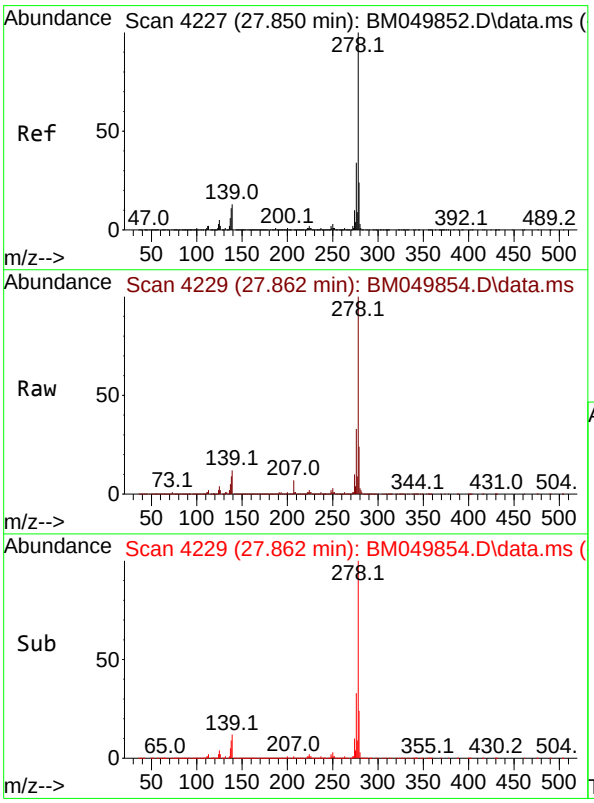
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

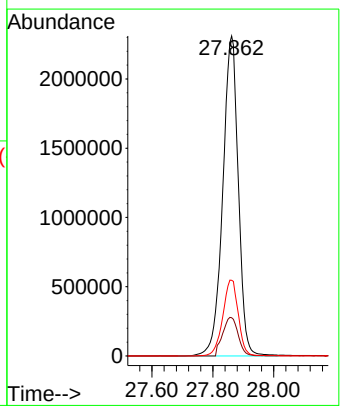
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

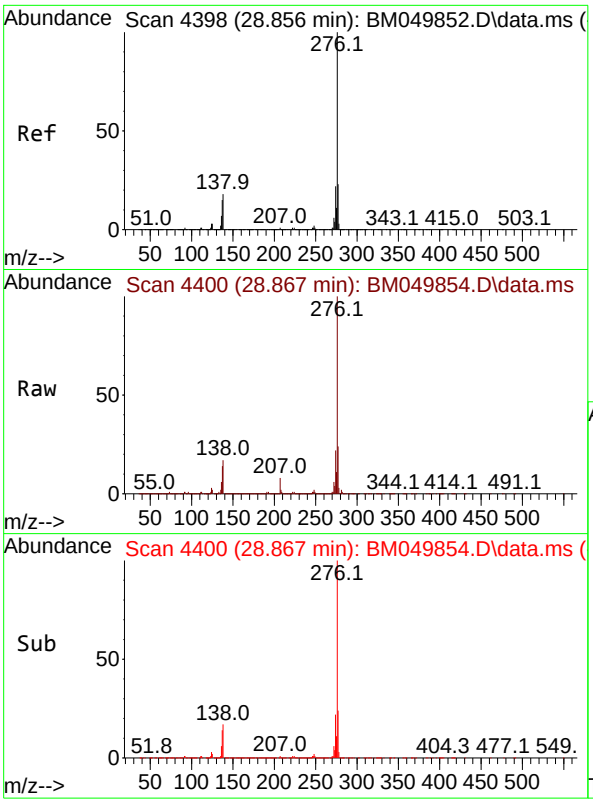


#91
Dibenzo(a,h)anthracene
Concen: 63.546 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:278 Resp: 8206056

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	23.7	19.1	28.7

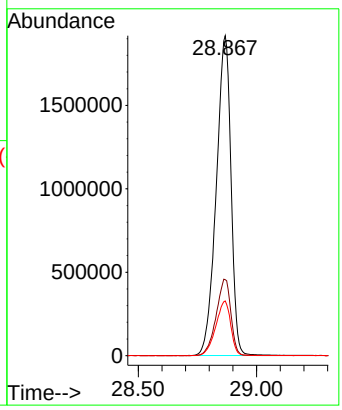




#92
Benzo(g,h,i)perylene
Concen: 62.639 ng
RT: 28.867 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 826585

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.1	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	337265	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1122639	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	724372	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1472595	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1558603	20.000	ng	0.00
86) Perylene-d12	24.403	264	1599218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3176757	159.945	ng	0.00
7) Phenol-d6	6.957	99	4006393	162.127	ng	0.00
23) Nitrobenzene-d5	8.940	82	3331067	165.228	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1903078	180.622	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8715915	163.160	ng	0.00
79) Terphenyl-d14	19.786	244	12523857	150.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	651448	79.642	ng	99
3) Pyridine	3.663	79	1721709m	80.145	ng	
4) n-Nitrosodimethylamine	3.569	42	657792	80.428	ng	98
6) Aniline	7.104	93	1557071	73.535	ng	99
8) 2-Chlorophenol	7.346	128	1617379	79.461	ng	99
9) Benzaldehyde	6.916	77	756625	59.716	ng	98
10) Phenol	6.981	94	1957010	81.154	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1502774	79.467	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1900533	78.977	ng	98
13) 1,4-Dichlorobenzene	7.816	146	1924197	79.467	ng	99
14) 1,2-Dichlorobenzene	8.134	146	1799229	78.890	ng	100
15) Benzyl Alcohol	8.022	79	1282444	82.414	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1638145	77.719	ng	99
17) 2-Methylphenol	8.228	107	1183257	79.623	ng	99
18) Hexachloroethane	8.857	117	658294	78.143	ng	97
19) n-Nitroso-di-n-propyla...	8.592	70	1100668	80.420	ng	99
20) 3+4-Methylphenols	8.557	107	1639646	80.930	ng	98
22) Acetophenone	8.604	105	2212514	81.093	ng	98
24) Nitrobenzene	8.981	77	1588049	81.805	ng	99
25) Isophorone	9.510	82	2783323	82.413	ng	99
26) 2-Nitrophenol	9.687	139	885850	86.097	ng	100
27) 2,4-Dimethylphenol	9.757	122	990665	84.960	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1849648	81.806	ng	99
29) 2,4-Dichlorophenol	10.228	162	1635110	84.360	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1854479	82.705	ng	99
31) Naphthalene	10.622	128	4692325	81.343	ng	99
32) Benzoic acid	9.934	122	1270650	80.764	ng	98
33) 4-Chloroaniline	10.734	127	1644863	80.751	ng	99
34) Hexachlorobutadiene	10.916	225	1160306	83.656	ng	99
35) Caprolactam	11.533	113	468650	84.302	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	1439396	84.779	ng	99
37) 2-Methylnaphthalene	12.239	142	3388769	83.379	ng	100
38) 1-Methylnaphthalene	12.457	142	3285148	82.967	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	2135182	84.255	ng	99
41) Hexachlorocyclopentadiene	12.592	237	725972	81.754	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	1356737	84.134	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1477695	84.323	ng		99
46) 1,1'-Biphenyl	13.257	154	4390713	81.540	ng		99
47) 2-Chloronaphthalene	13.298	162	3444094	81.376	ng		98
48) 2-Nitroaniline	13.498	65	853486	87.168	ng		98
49) Acenaphthylene	14.145	152	5122399	83.088	ng		99
50) Dimethylphthalate	13.880	163	4216670	82.512	ng		99
51) 2,6-Dinitrotoluene	13.998	165	927781	86.653	ng		96
52) Acenaphthene	14.486	154	3264918	83.258	ng		100
53) 3-Nitroaniline	14.327	138	930646	89.933	ng		96
54) 2,4-Dinitrophenol	14.533	184	625443	80.604	ng		97
55) Dibenzofuran	14.821	168	5445586	83.068	ng		98
56) 4-Nitrophenol	14.639	139	835691	90.623	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1283341	89.846	ng		96
58) Fluorene	15.469	166	4360823	83.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1308821	85.213	ng		97
60) Diethylphthalate	15.251	149	4046865	82.577	ng		98
61) 4-Chlorophenyl-phenyle...	15.469	204	2422112	86.698	ng		96
62) 4-Nitroaniline	15.492	138	958937	89.608	ng		98
63) Azobenzene	15.757	77	3477801	82.888	ng		98
65) 4,6-Dinitro-2-methylph...	15.551	198	824411	88.841	ng		99
66) n-Nitrosodiphenylamine	15.680	169	3615164	82.034	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	1482215	86.704	ng		96
68) Hexachlorobenzene	16.474	284	1670677	85.201	ng		100
70) Pentachlorophenol	16.821	266	1238924	85.821	ng		99
71) Phenanthrene	17.210	178	6757399	83.700	ng		99
72) Anthracene	17.298	178	6714186	84.390	ng		100
73) Carbazole	17.568	167	6306654	84.159	ng		99
74) Di-n-butylphthalate	18.133	149	7042435	81.592	ng		100
75) Fluoranthene	19.221	202	8767531	88.324	ng		99
77) Benzidine	19.404	184	2227000	107.704	ng		100
78) Pyrene	19.586	202	8996687	83.755	ng		98
80) Butylbenzylphthalate	20.486	149	3262795	80.838	ng		97
81) Benzo(a)anthracene	21.386	228	8779936	84.761	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3524132	90.091	ng		99
83) Chrysene	21.450	228	8388518	85.181	ng		98
84) Bis(2-ethylhexyl)phtha...	21.309	149	4596937	78.171	ng	#	96
85) Di-n-octyl phthalate	22.445	149	8204703	79.753	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	10271777	86.167	ng		98
88) Benzo(b)fluoranthene	23.462	252	9083493	88.935	ng		99
89) Benzo(k)fluoranthene	23.527	252	8710029	88.000	ng		99
90) Benzo(a)pyrene	24.268	252	7870455	87.693	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8515147	86.721	ng		99
92) Benzo(g,h,i)perylene	28.868	276	8495950	84.674	ng		98

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

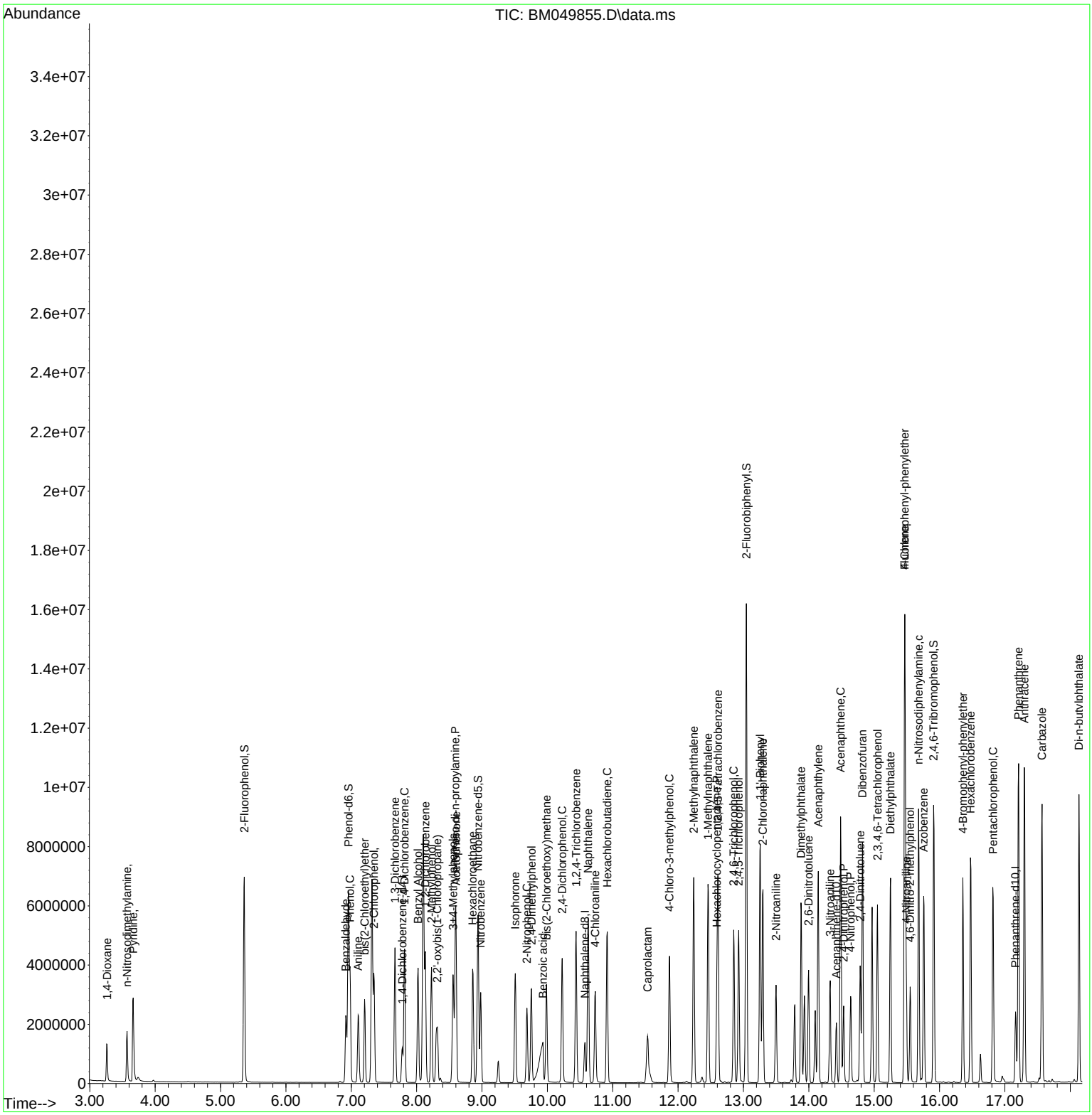
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



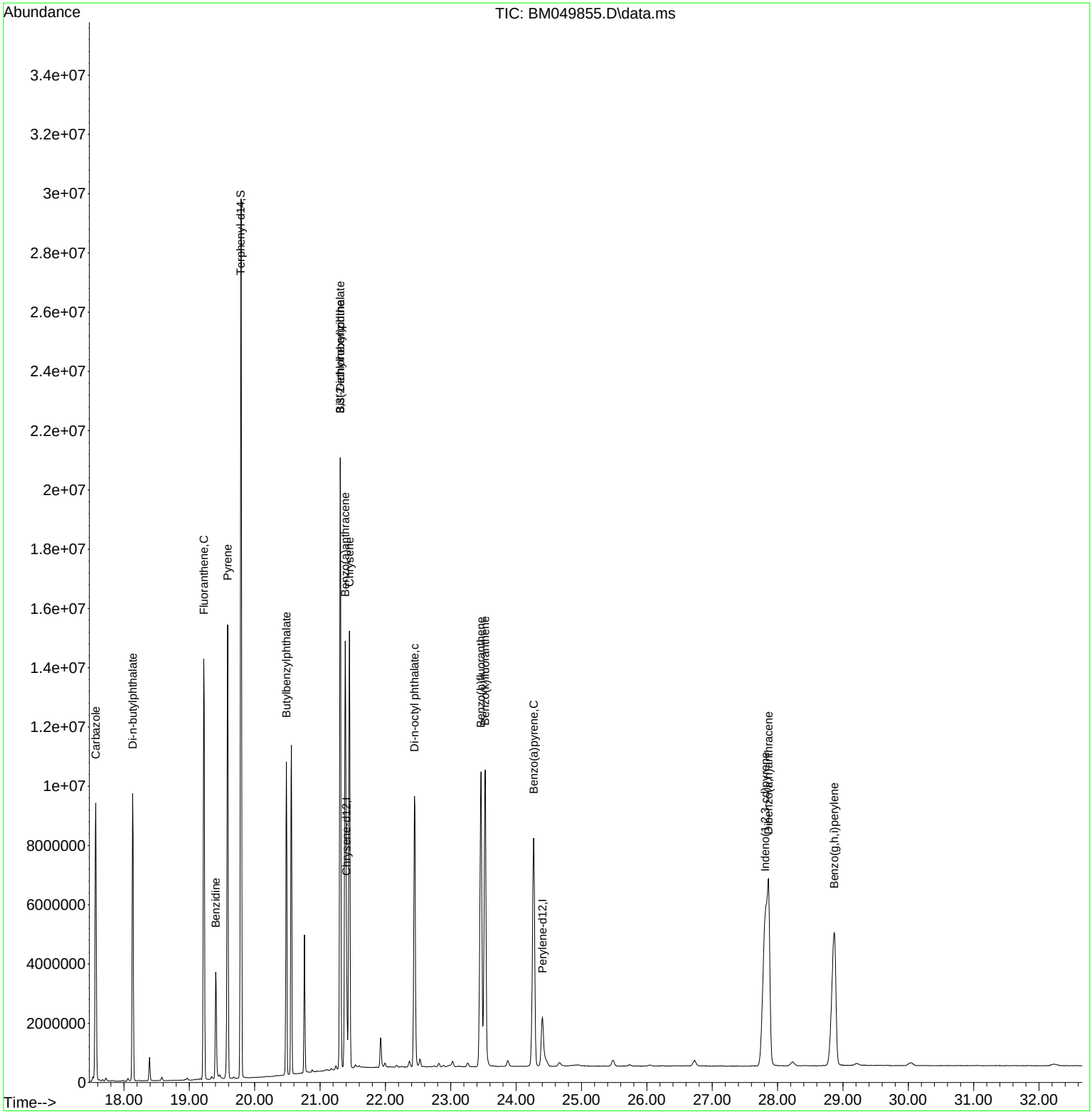
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

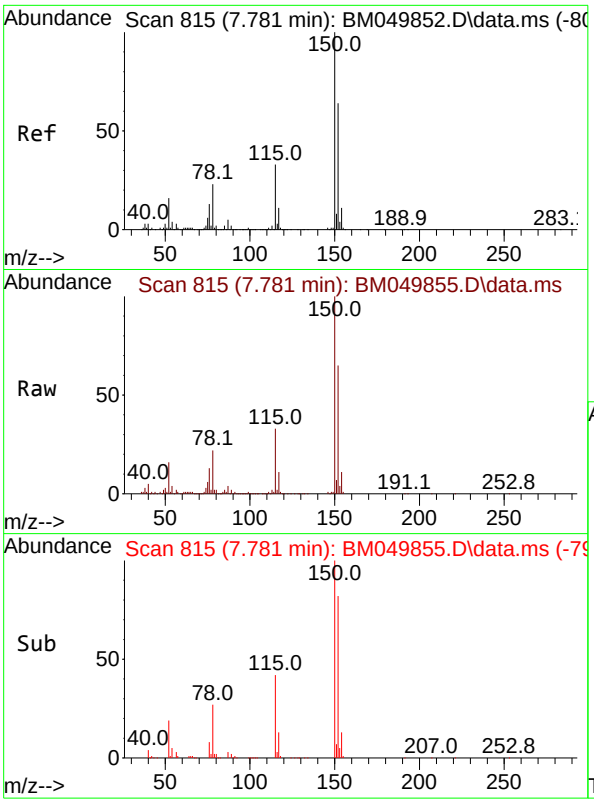
Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

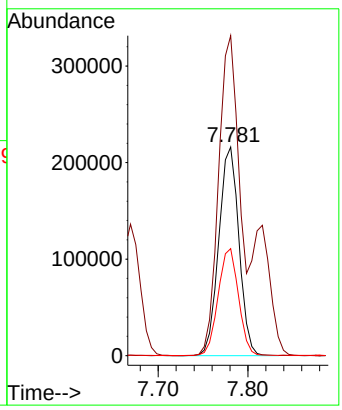




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 33726

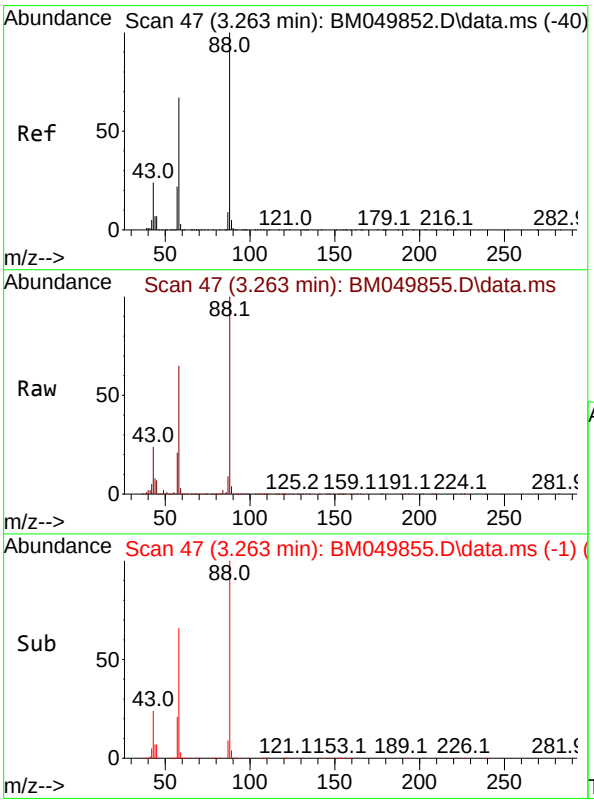
Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

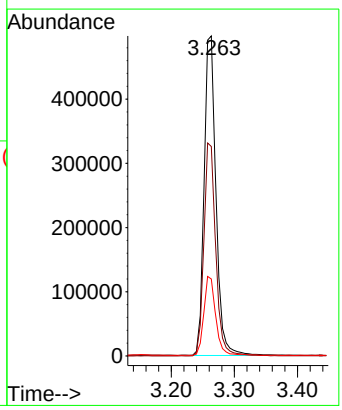
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

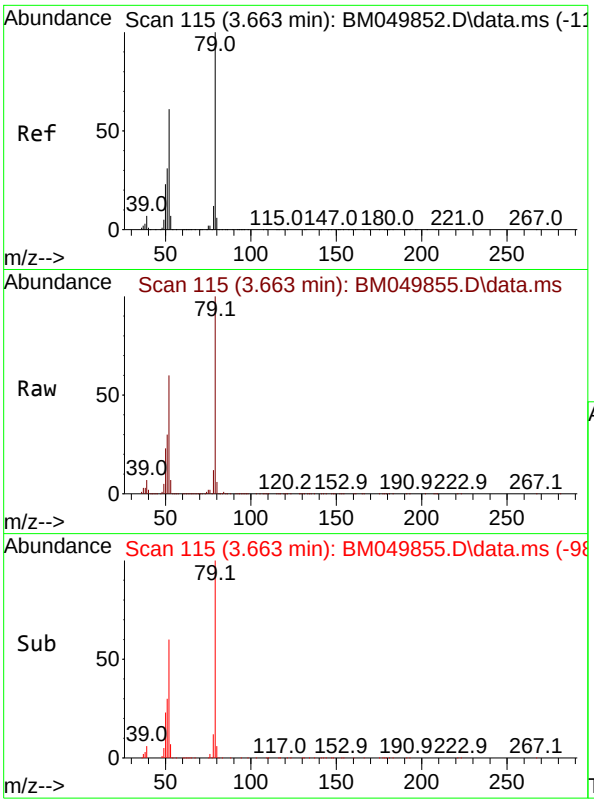


#2
1,4-Dioxane
Concen: 79.642 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 88 Resp: 651448

Ion	Ratio	Lower	Upper
88	100		
58	66.7	54.1	81.1
43	24.6	20.2	30.4

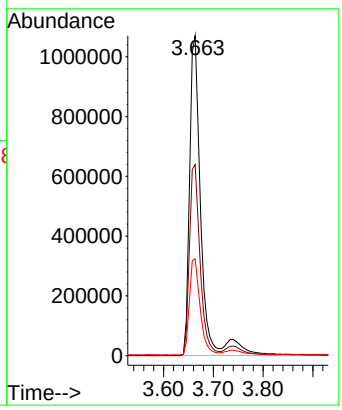




#3
Pyridine
Concen: 80.145 ng m
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 172170

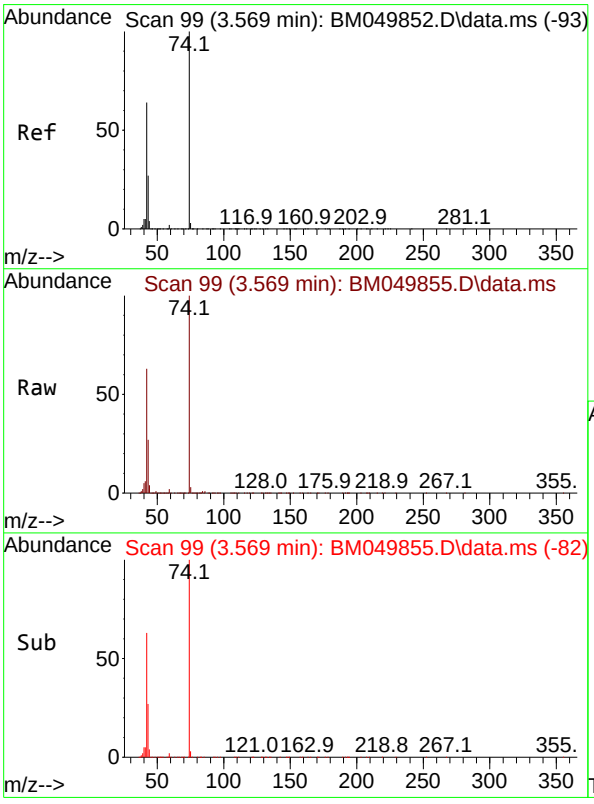
Ion	Ratio	Lower	Upper
79	100		
52	59.7	48.9	73.3
51	30.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

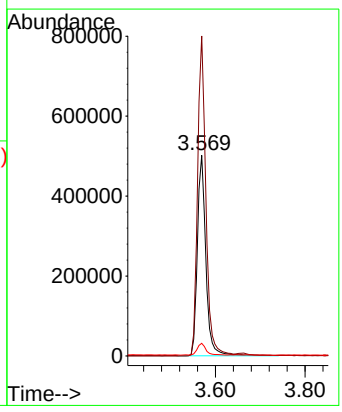
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

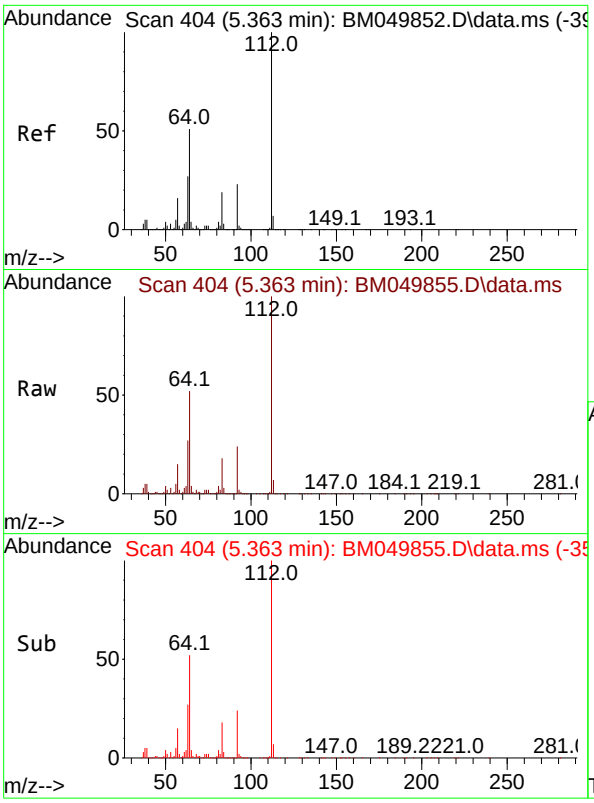


#4
n-Nitrosodimethylamine
Concen: 80.428 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 42 Resp: 657792

Ion	Ratio	Lower	Upper
42	100		
74	159.4	125.4	188.2
44	6.3	5.9	8.9

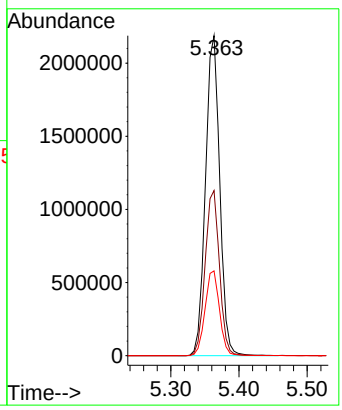




#5
2-Fluorophenol
Concen: 159.945 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:112 Resp: 317675

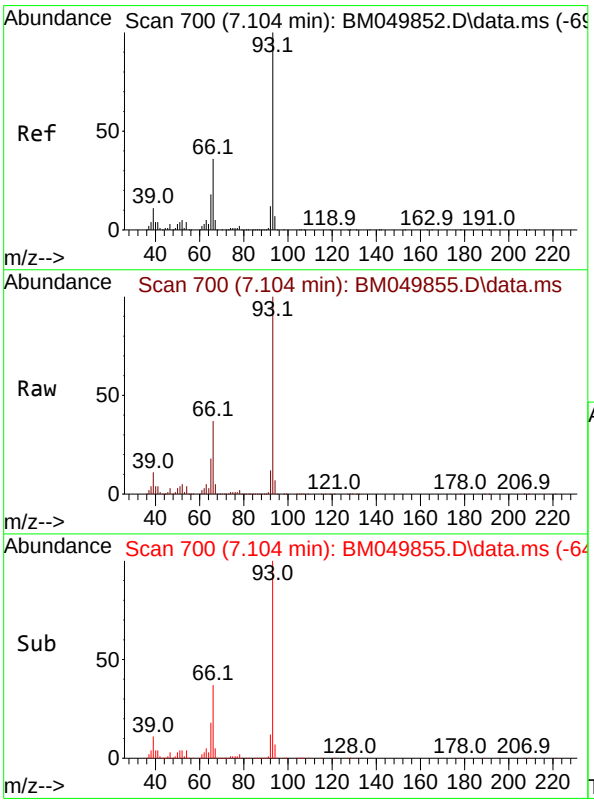
Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.5	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

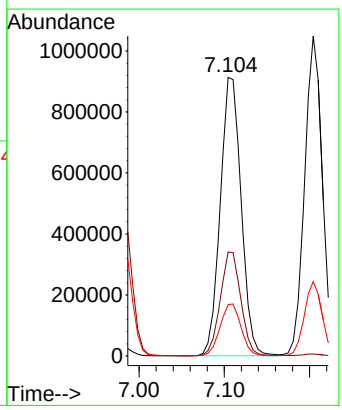
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

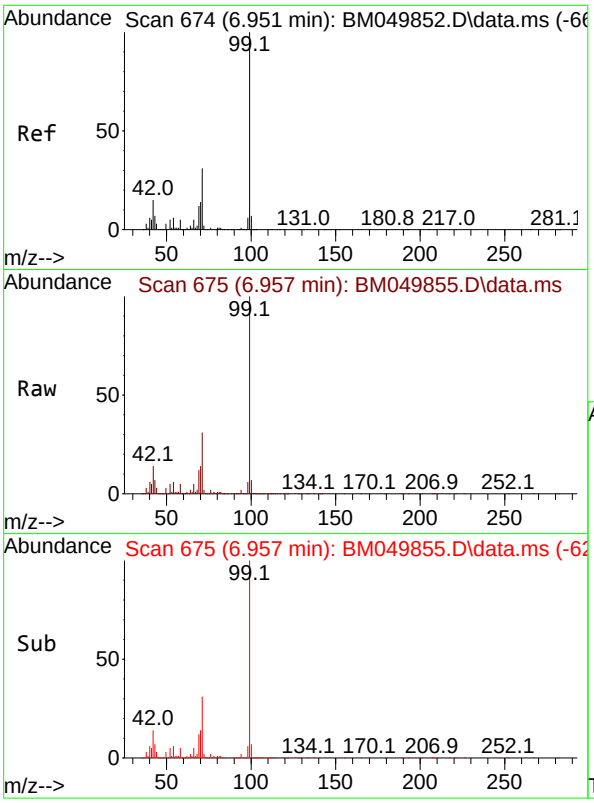


#6
Aniline
Concen: 73.535 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1557071

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.4	14.9	22.3

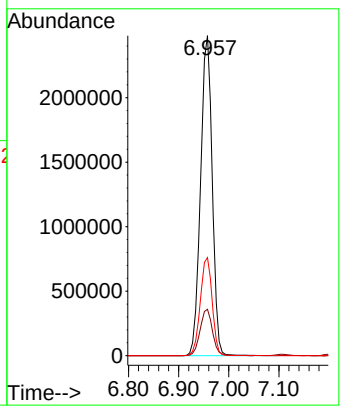




#7
Phenol-d6
Concen: 162.127 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 99 Resp: 400639

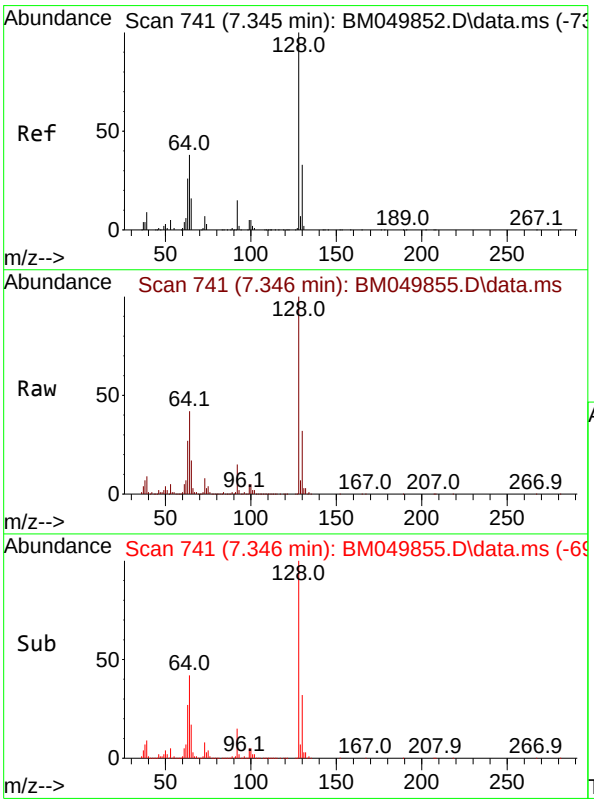
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.1	18.1
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

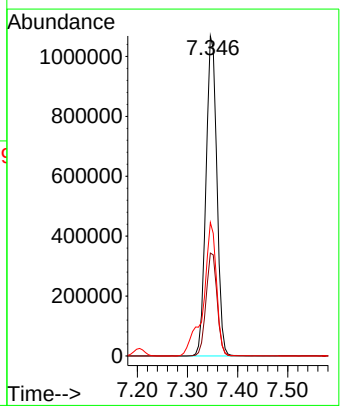
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

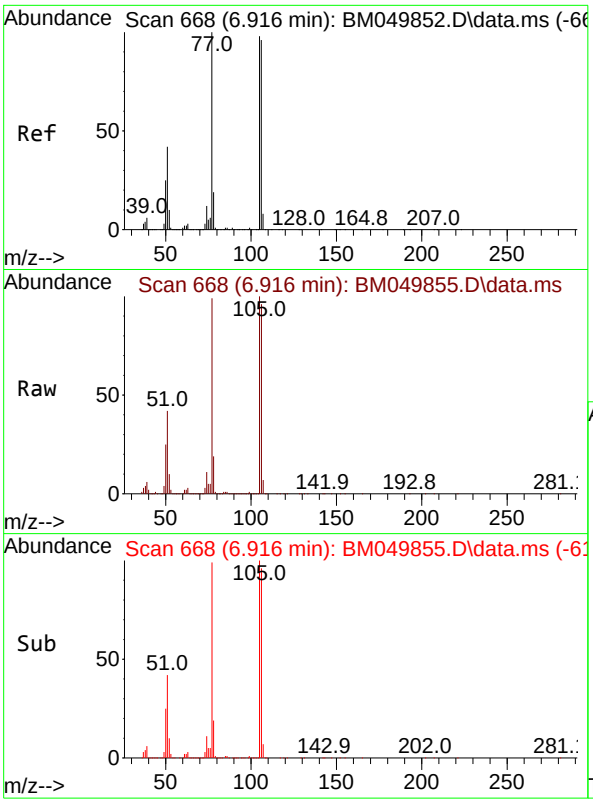


#8
2-Chlorophenol
Concen: 79.461 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 1617379

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	41.7	21.1	61.1

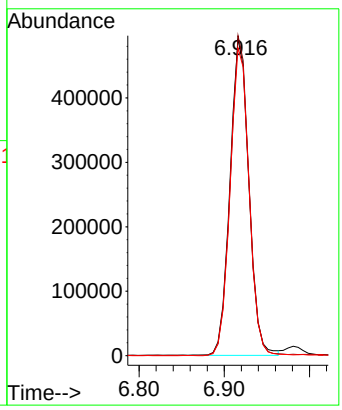




#9
Benzaldehyde
Concen: 59.716 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 75662

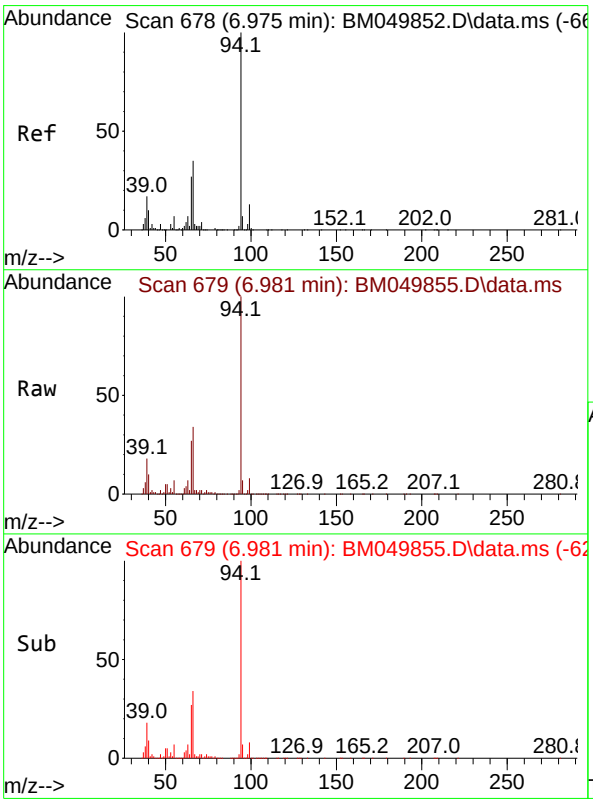
Ion	Ratio	Lower	Upper
77	100		
105	100.9	78.3	118.3
106	97.1	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

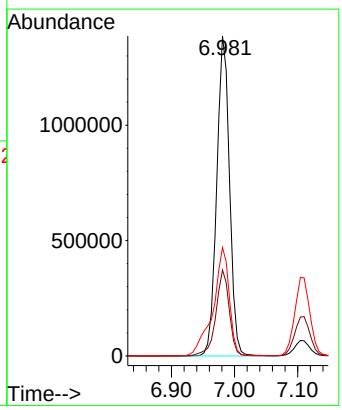
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

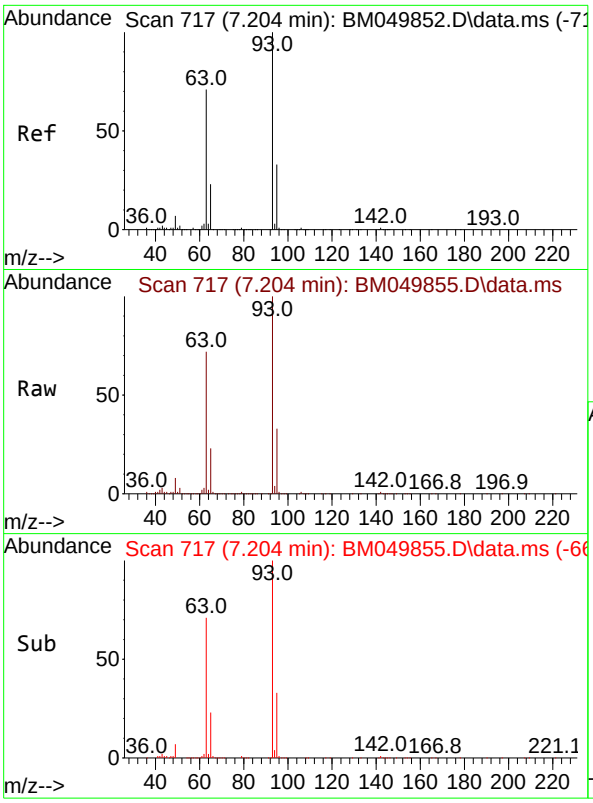


#10
Phenol
Concen: 81.154 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 94 Resp: 1957010

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.3	47.3
66	33.8	14.8	54.8

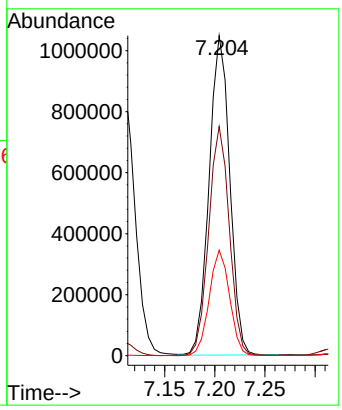




#11
bis(2-Chloroethyl)ether
Concen: 79.467 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 150277

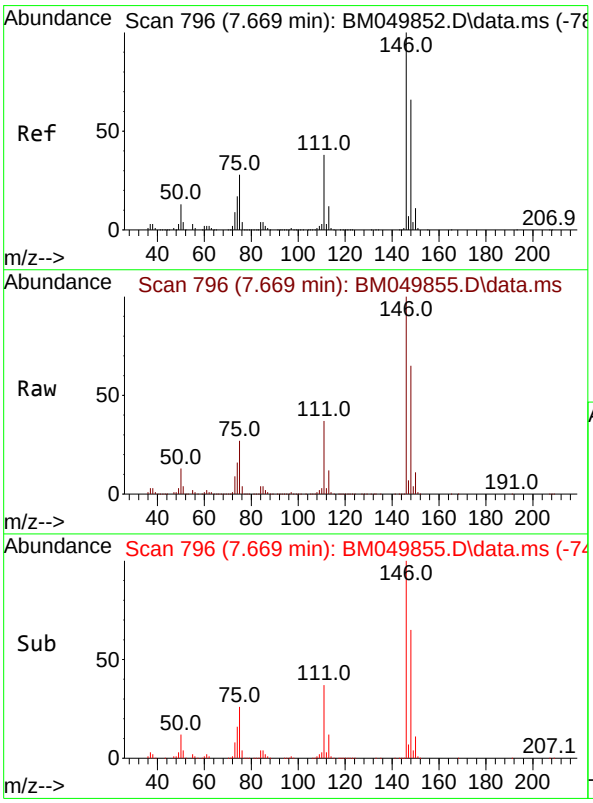
Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.9	90.9
95	33.0	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

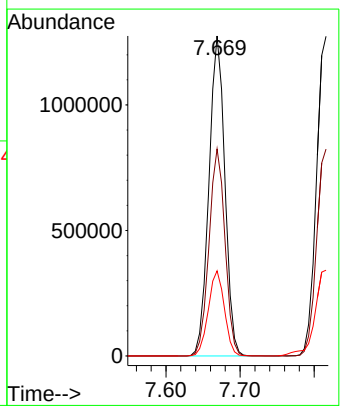
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

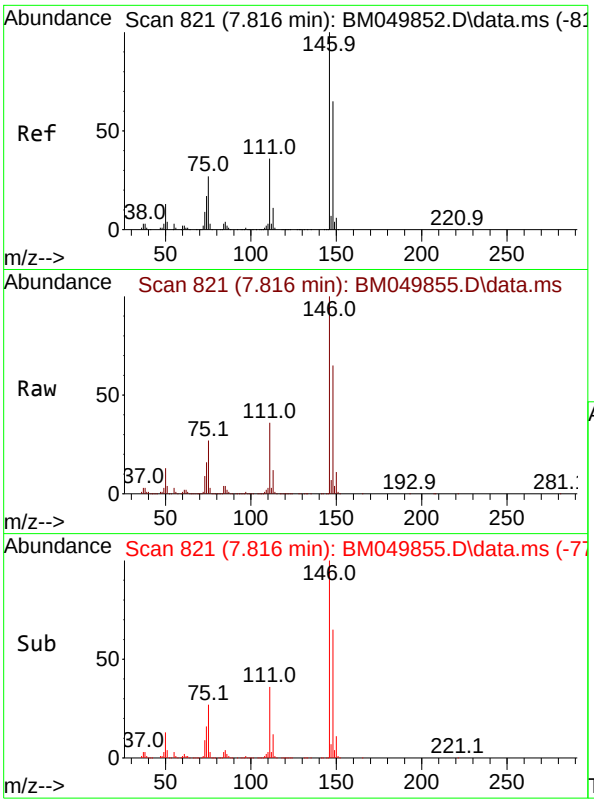


#12
1,3-Dichlorobenzene
Concen: 78.977 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1900533

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.6	22.5	33.7

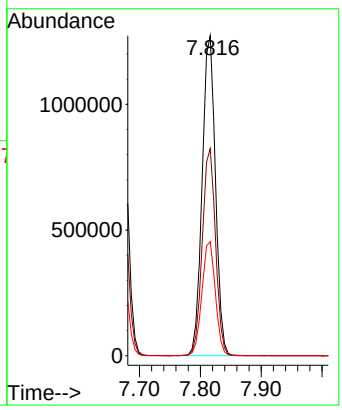




#13
1,4-Dichlorobenzene
Concen: 79.467 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 192419

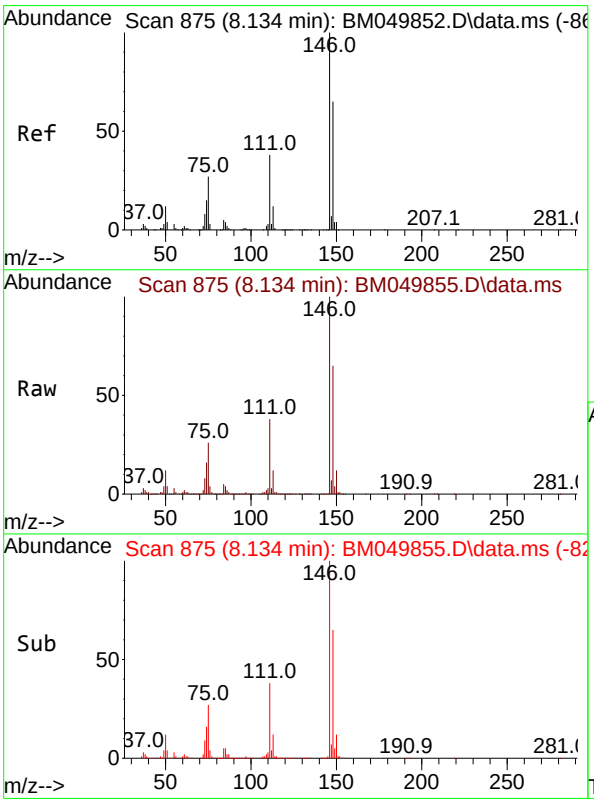
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
111	35.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

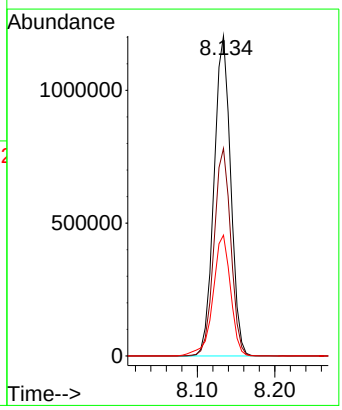
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

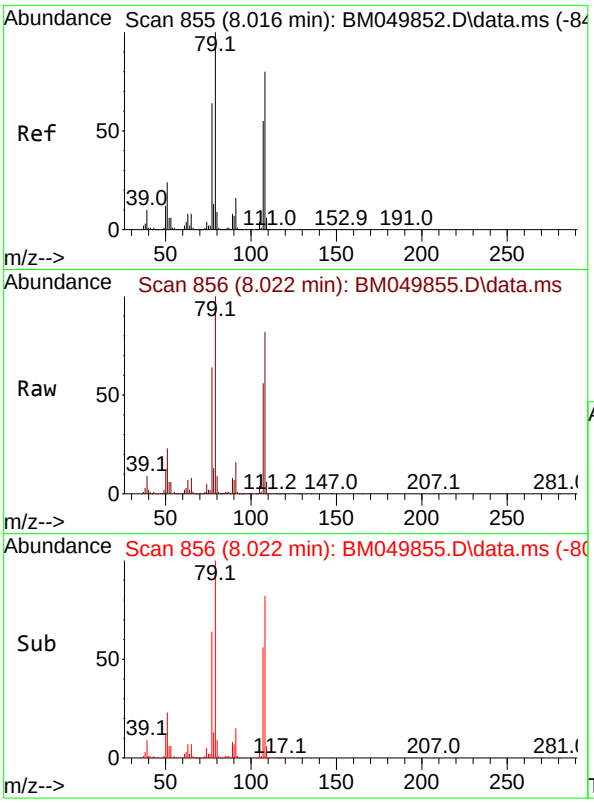


#14
1,2-Dichlorobenzene
Concen: 78.890 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1799229

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
111	37.7	30.2	45.4

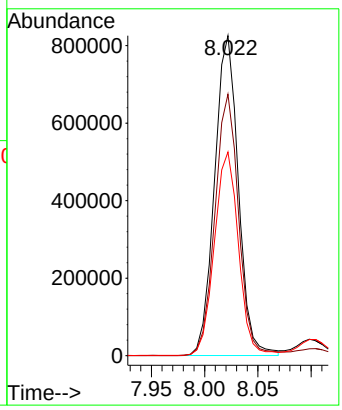




#15
Benzyl Alcohol
Concen: 82.414 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 128244

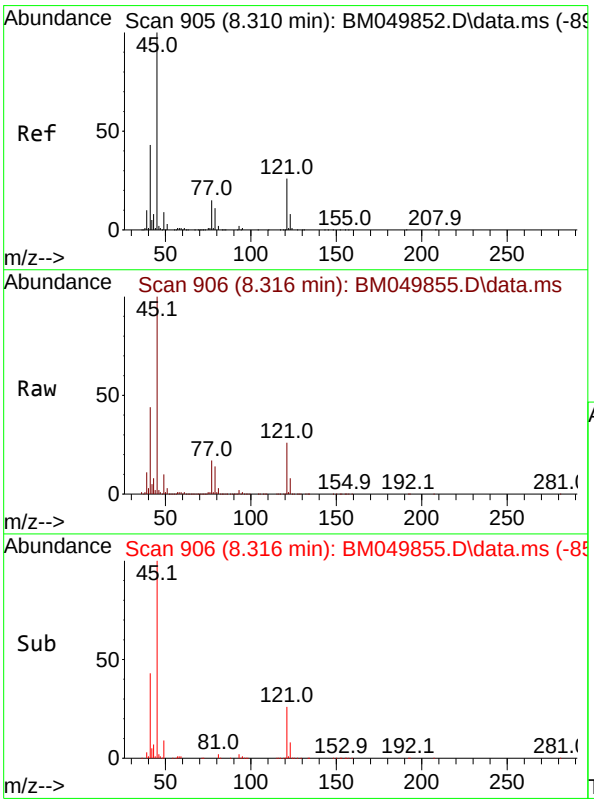
Ion	Ratio	Lower	Upper
79	100		
108	81.7	63.6	95.4
77	63.6	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

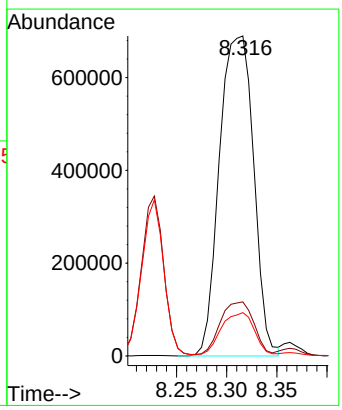
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

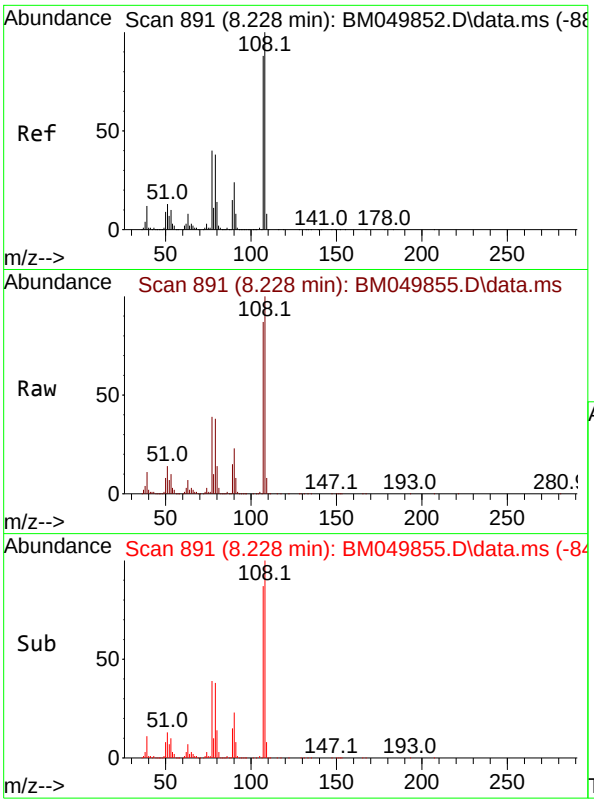


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.719 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 45 Resp: 1638145

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.5	0.0	32.9

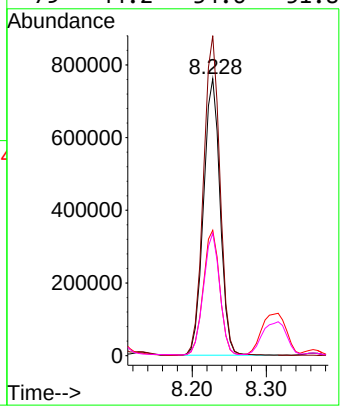




#17
2-Methylphenol
Concen: 79.623 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 118325

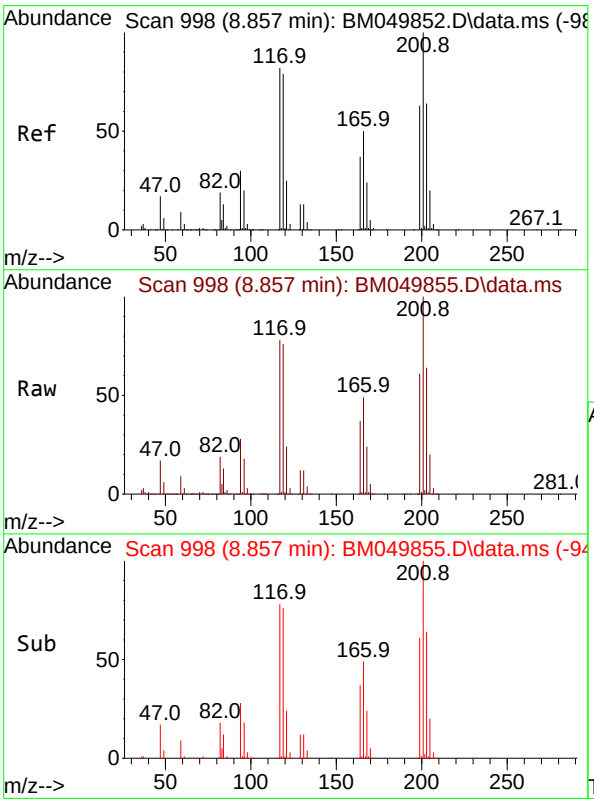
Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	45.3	36.5	54.7
79	44.2	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

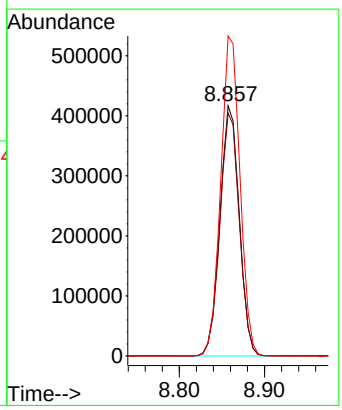
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

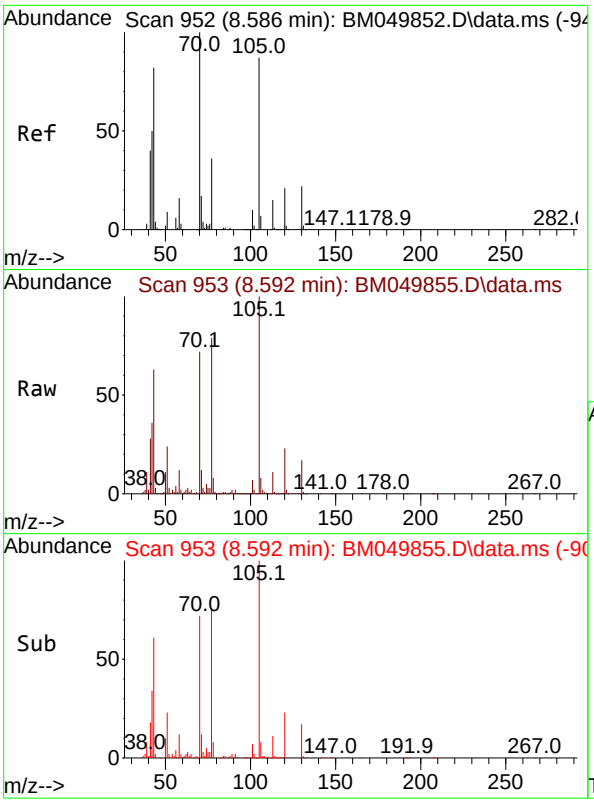


#18
Hexachloroethane
Concen: 78.143 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:117 Resp: 658294

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	128.0	97.7	146.5

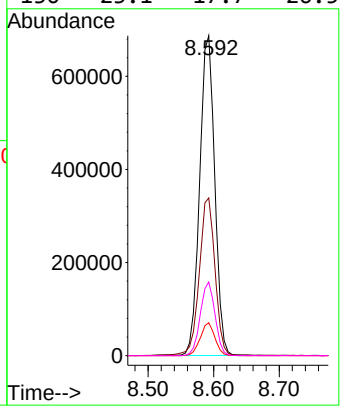




#19
n-Nitroso-di-n-propylamine
Concen: 80.420 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 70 Resp: 110066

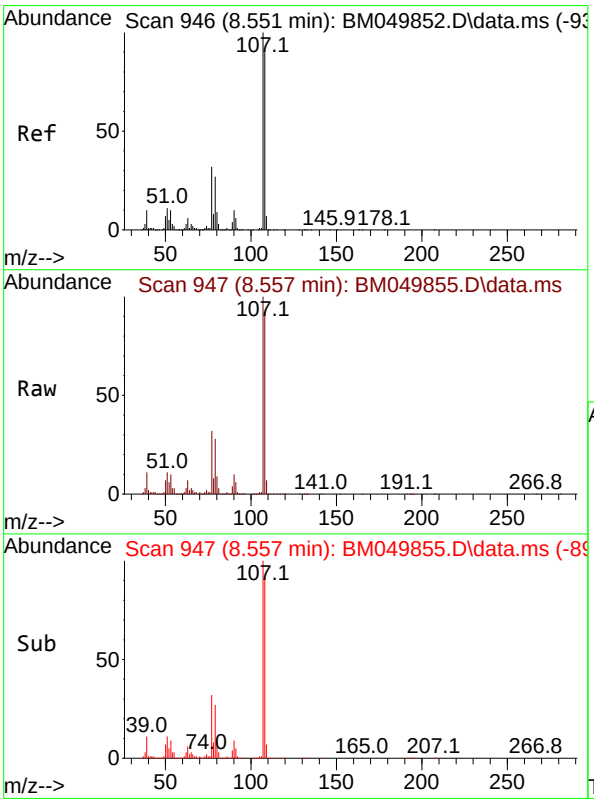
Ion	Ratio	Lower	Upper
70	100		
42	49.3	40.2	60.2
101	10.3	7.9	11.9
130	23.1	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

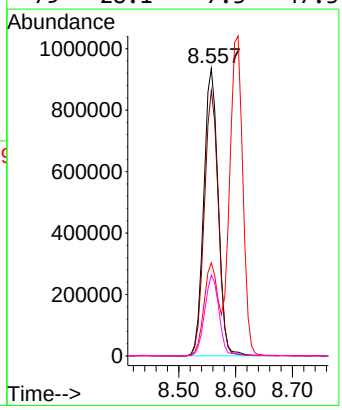
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

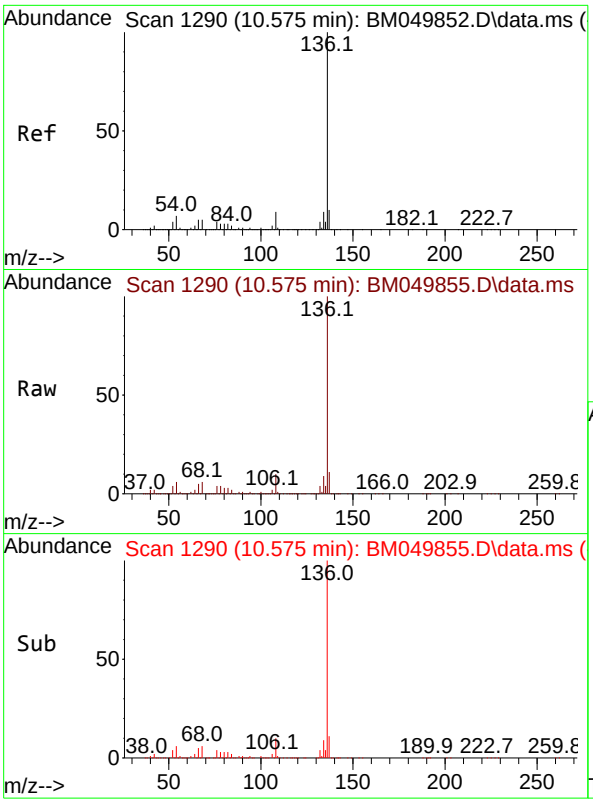


#20
3+4-Methylphenols
Concen: 80.930 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1639646

Ion	Ratio	Lower	Upper
107	100		
108	92.2	69.6	109.6
77	32.4	11.7	51.7
79	28.1	7.3	47.3

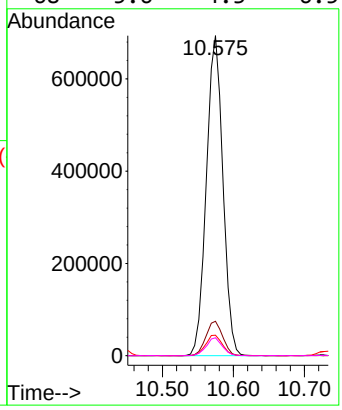




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:136 Resp: 112263

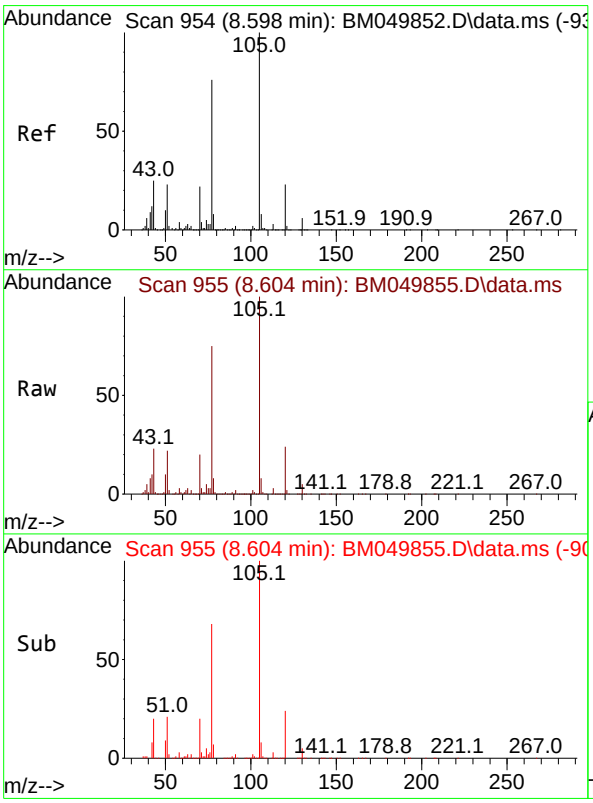
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

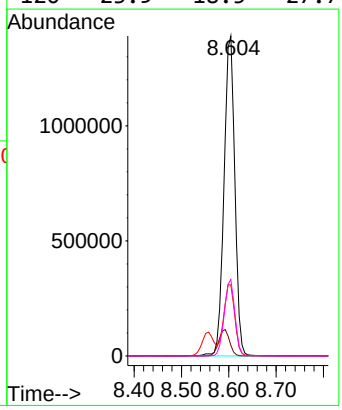
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

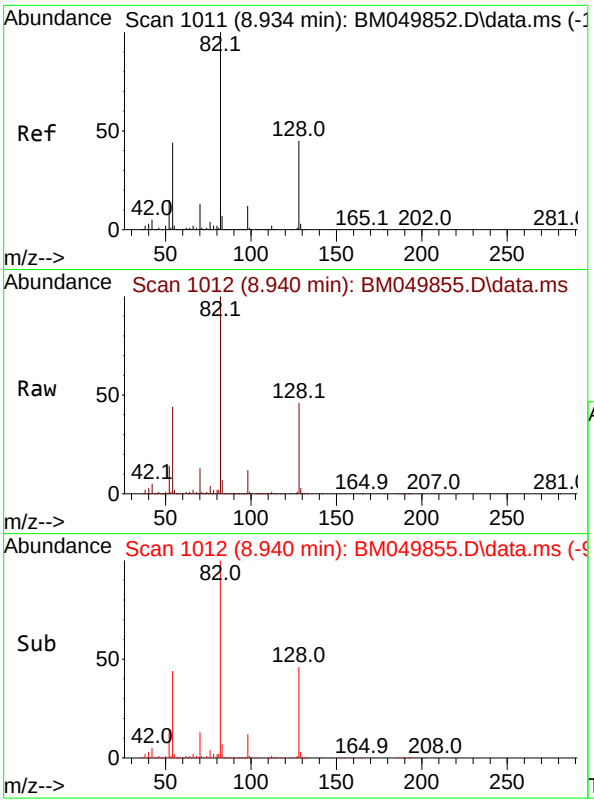


#22
Acetophenone
Concen: 81.093 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:105 Resp: 2212514

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.2	18.6	27.8
120	23.9	18.5	27.7

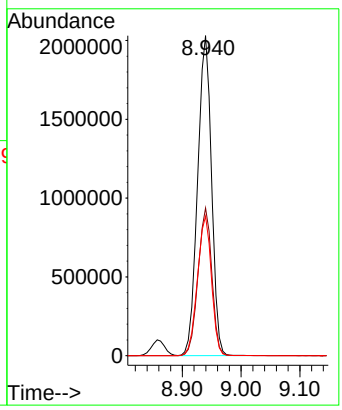




#23
Nitrobenzene-d5
Concen: 165.228 ng
RT: 8.940 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 82 Resp: 333106

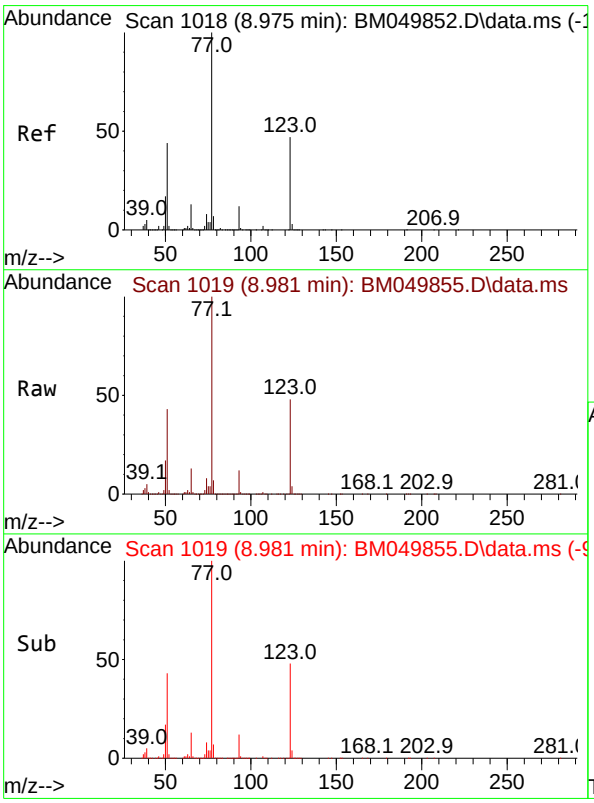
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.6	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

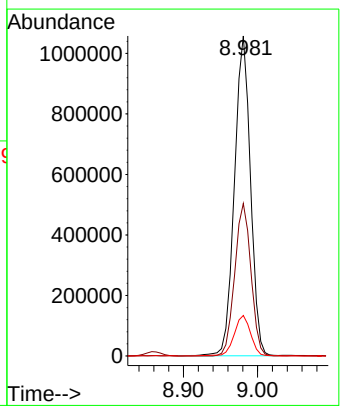
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

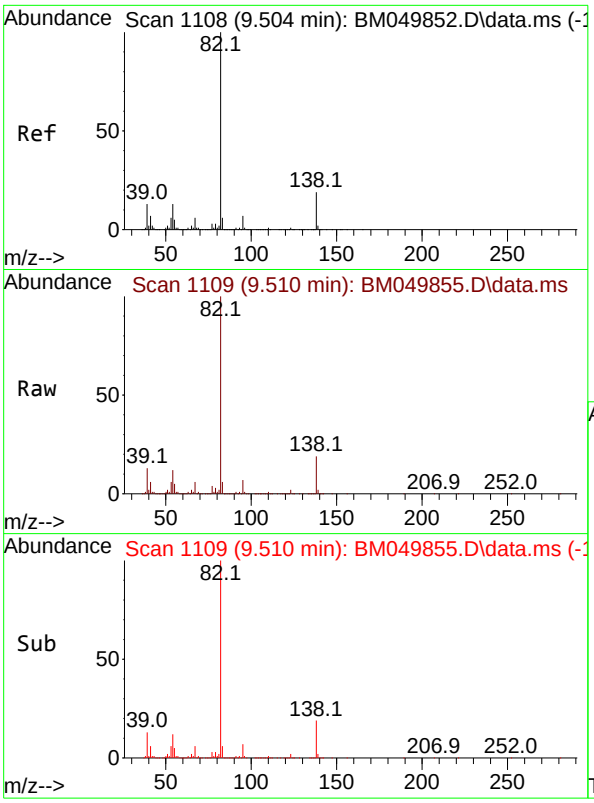


#24
Nitrobenzene
Concen: 81.805 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 1588049

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1

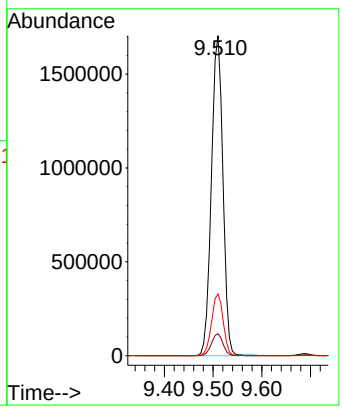




#25
Isophorone
Concen: 82.413 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 82 Resp: 278332

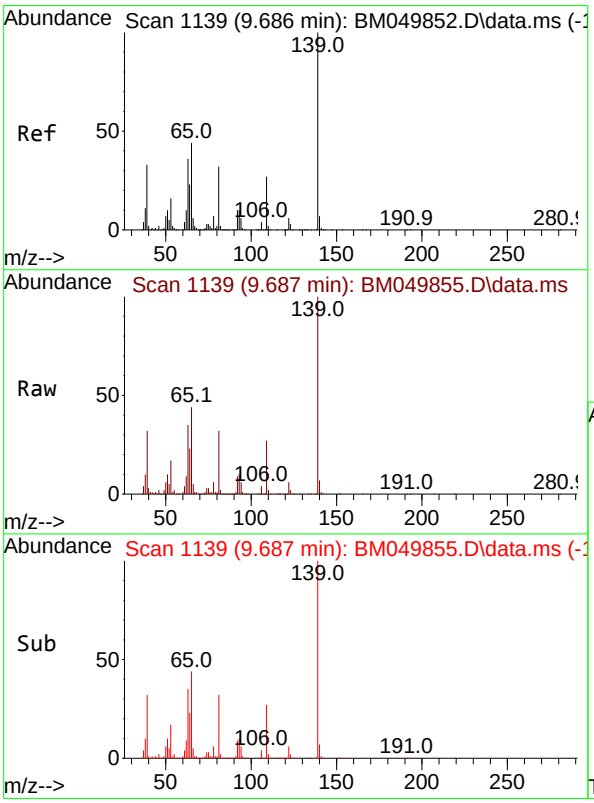
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	19.3	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

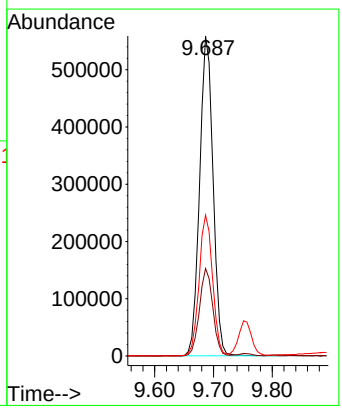
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

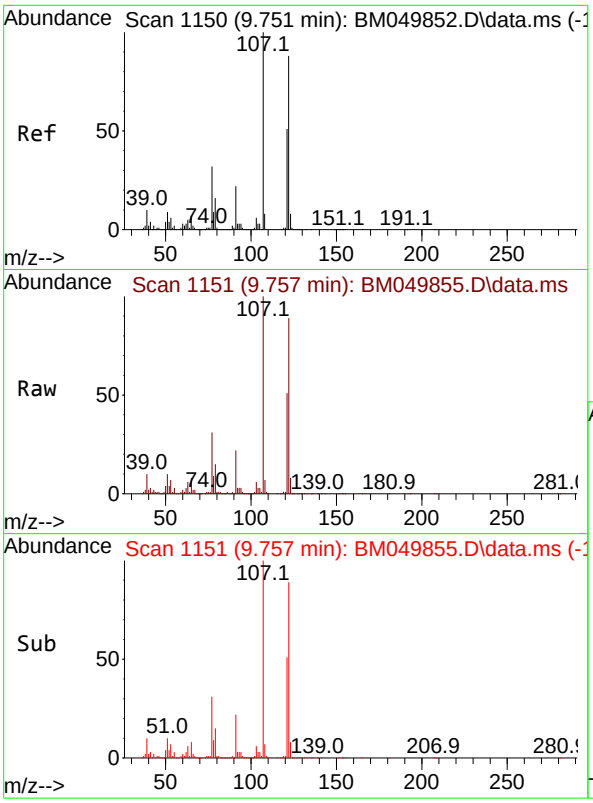


#26
2-Nitrophenol
Concen: 86.097 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 885850

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	44.0	35.2	52.8

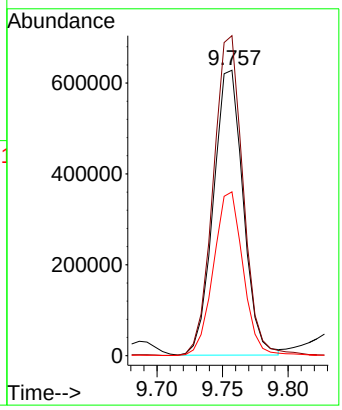




#27
2,4-Dimethylphenol
Concen: 84.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 99066

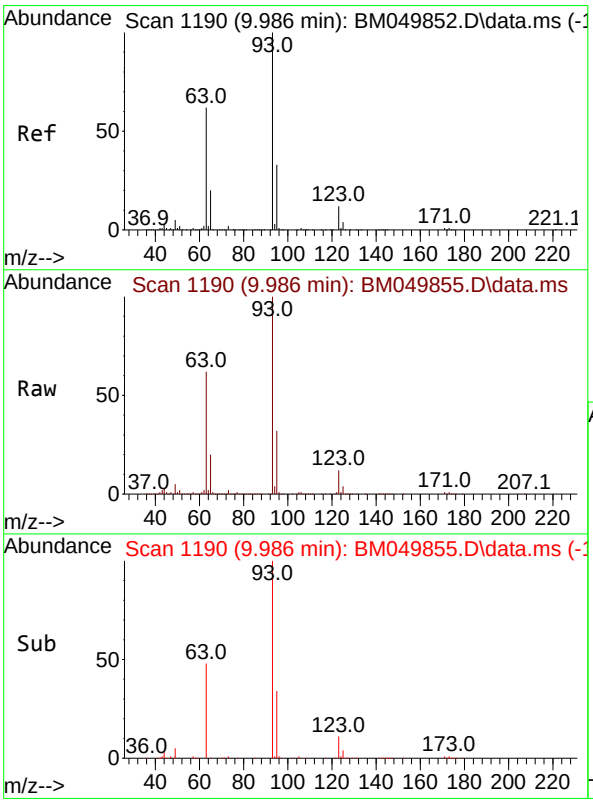
Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.4	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

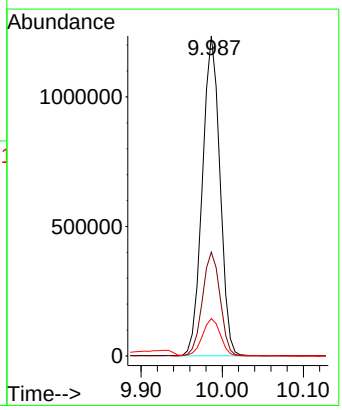
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

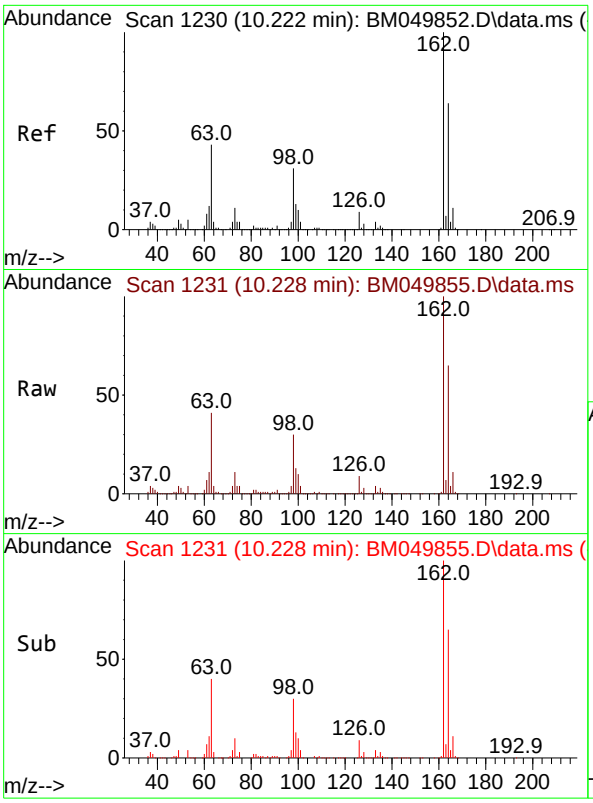


#28
bis(2-Chloroethoxy)methane
Concen: 81.806 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1849648

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.7	9.5	14.3

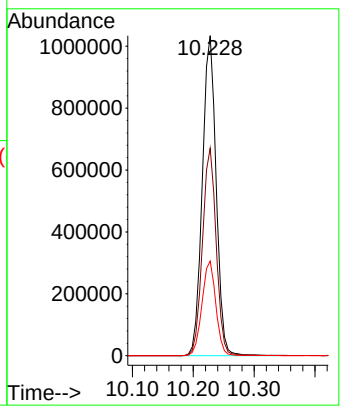




#29
2,4-Dichlorophenol
Concen: 84.360 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 163511

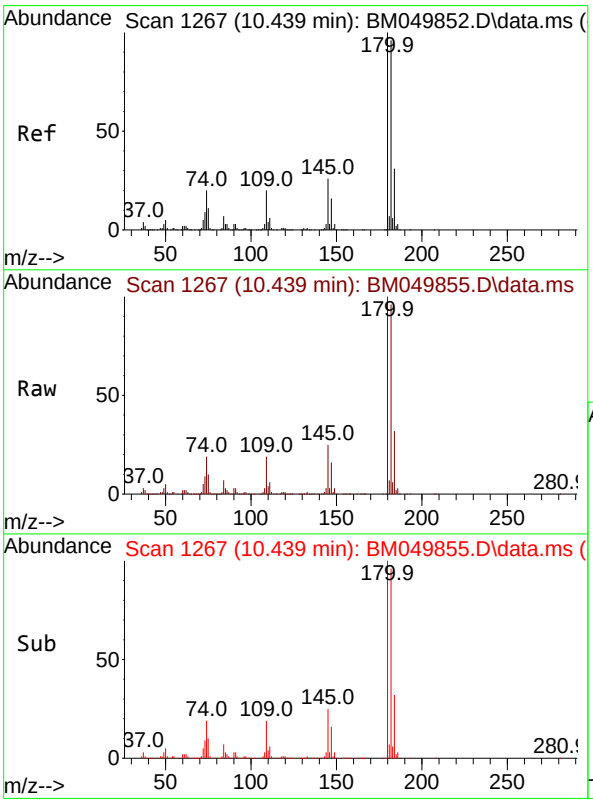
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	29.6	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

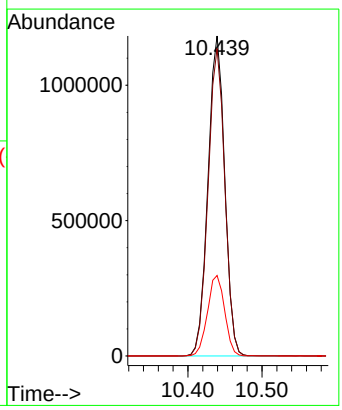
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

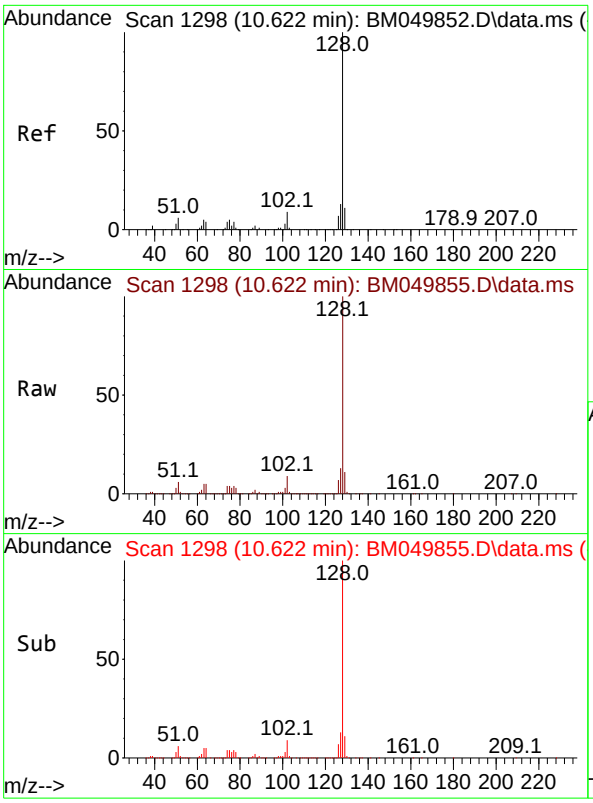


#30
1,2,4-Trichlorobenzene
Concen: 82.705 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:180 Resp: 1854479

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
145	25.2	20.8	31.2

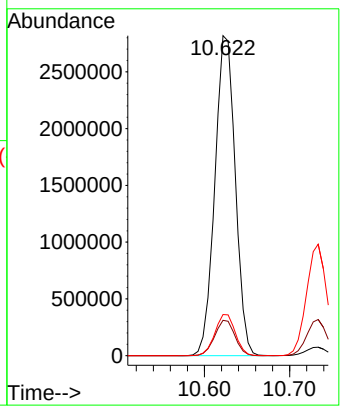




#31
Naphthalene
Concen: 81.343 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 469232

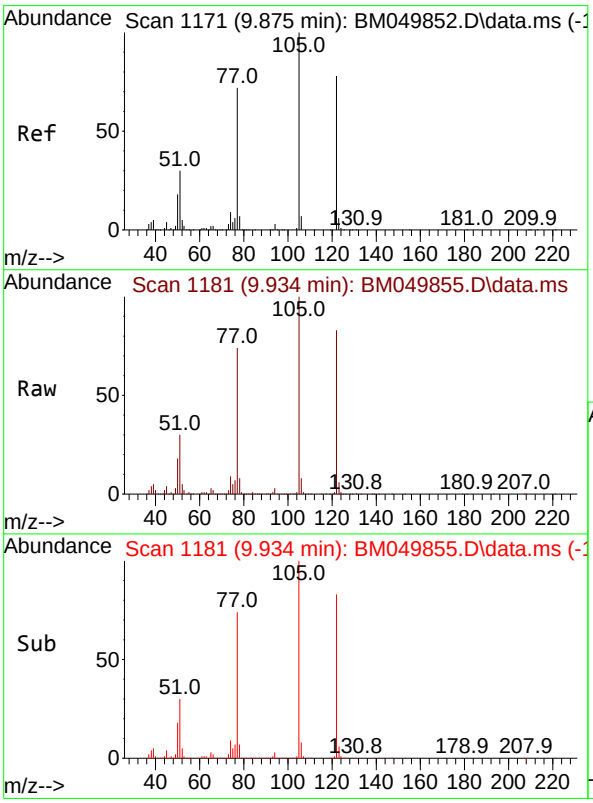
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

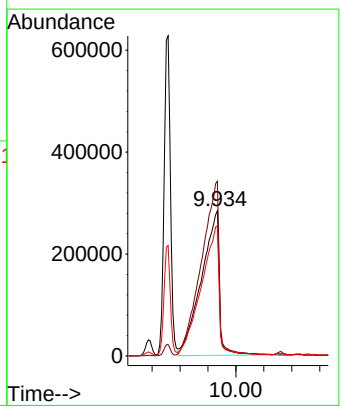
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

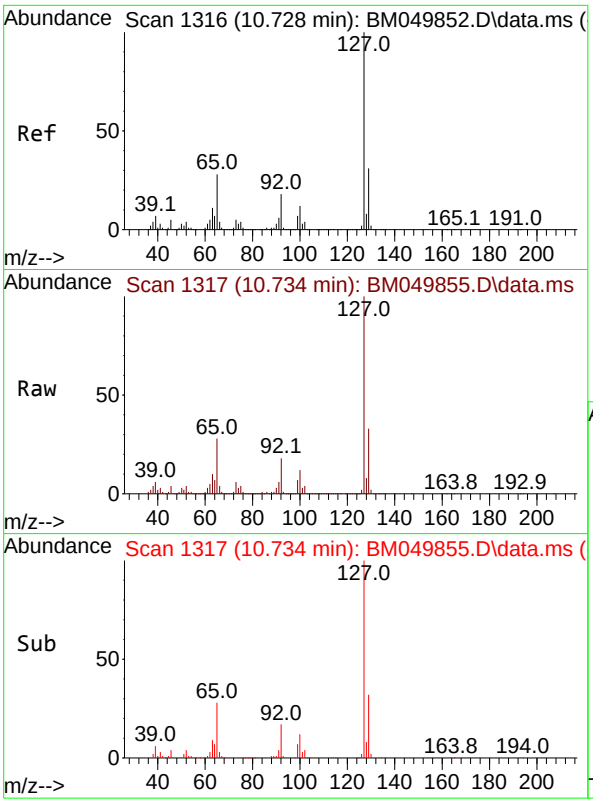


#32
Benzoic acid
Concen: 80.764 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.059 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 1270650

Ion	Ratio	Lower	Upper
122	100		
105	120.3	103.8	143.8
77	89.4	70.7	110.7

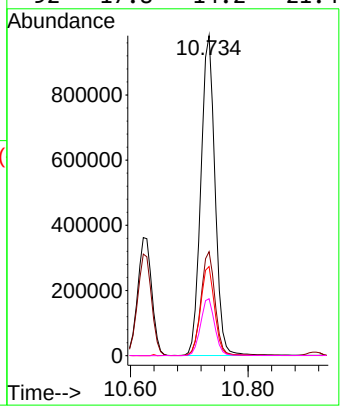




#33
4-Chloroaniline
Concen: 80.751 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:127 Resp: 164486

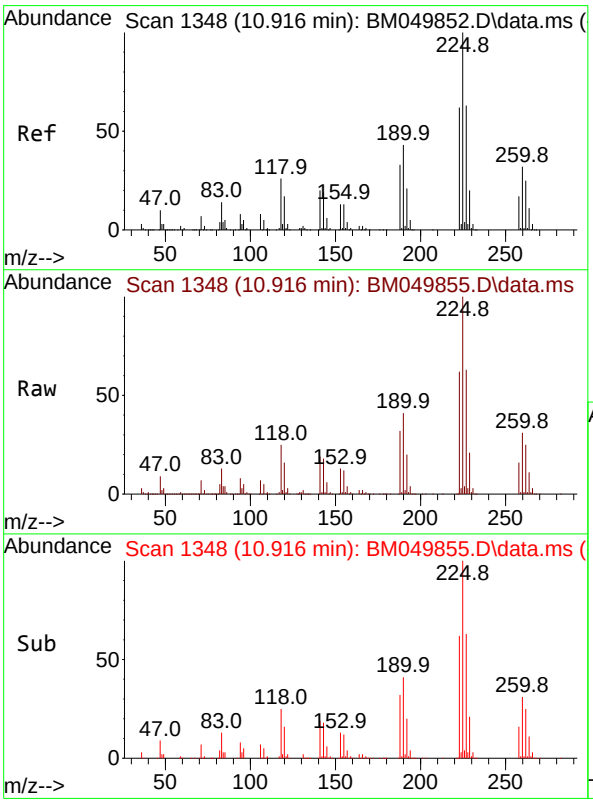
Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	27.8	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

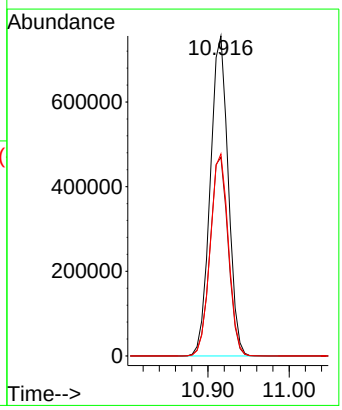
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

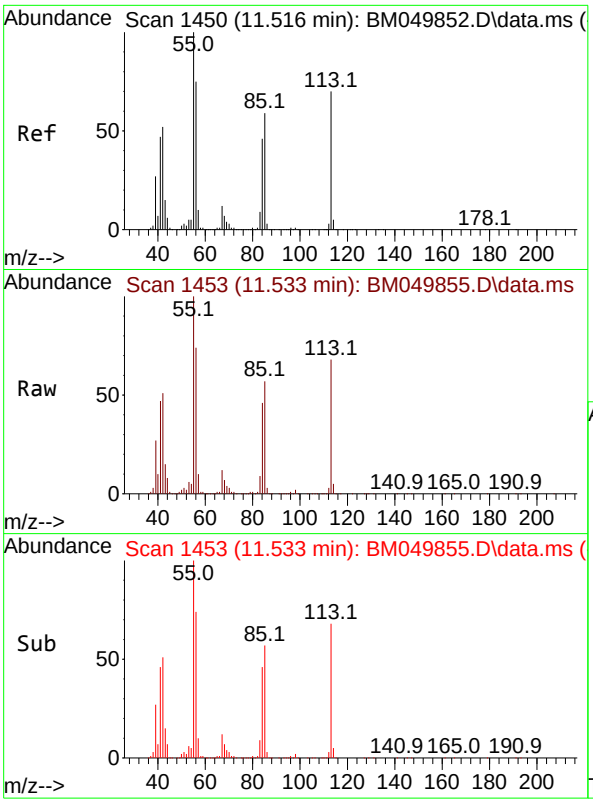


#34
Hexachlorobutadiene
Concen: 83.656 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:225 Resp: 1160306

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.2
227	63.1	50.1	75.1

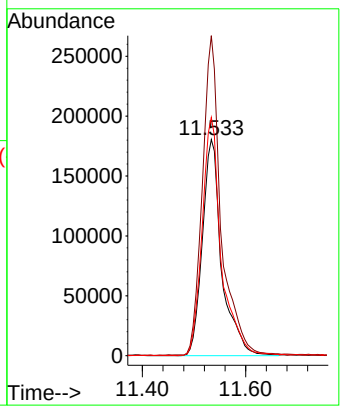




#35
Caprolactam
Concen: 84.302 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:113 Resp: 46865

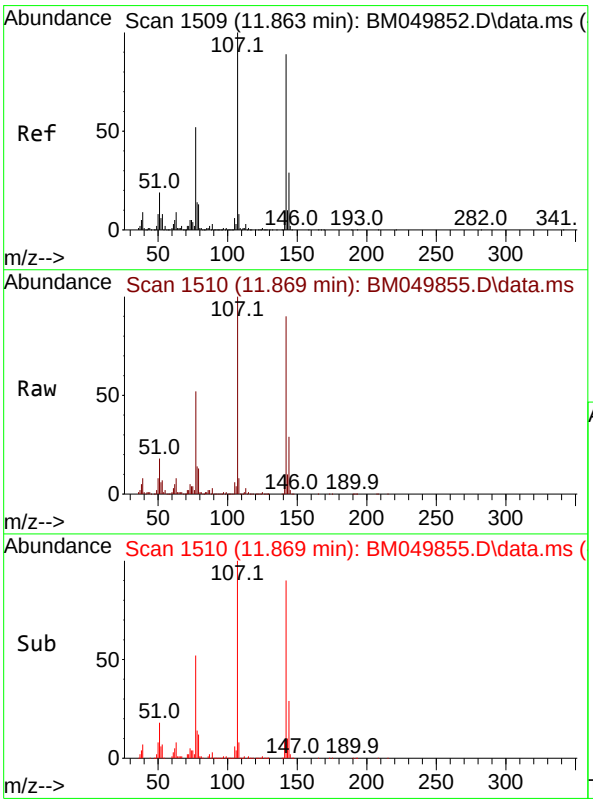
Ion	Ratio	Lower	Upper
113	100		
55	148.0	124.3	164.3
56	110.2	87.5	127.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

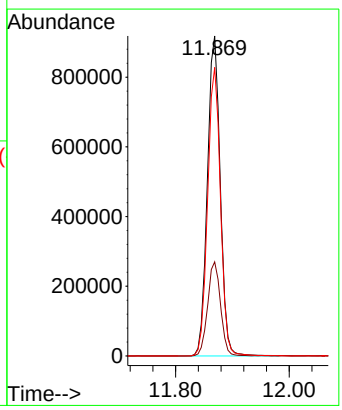
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

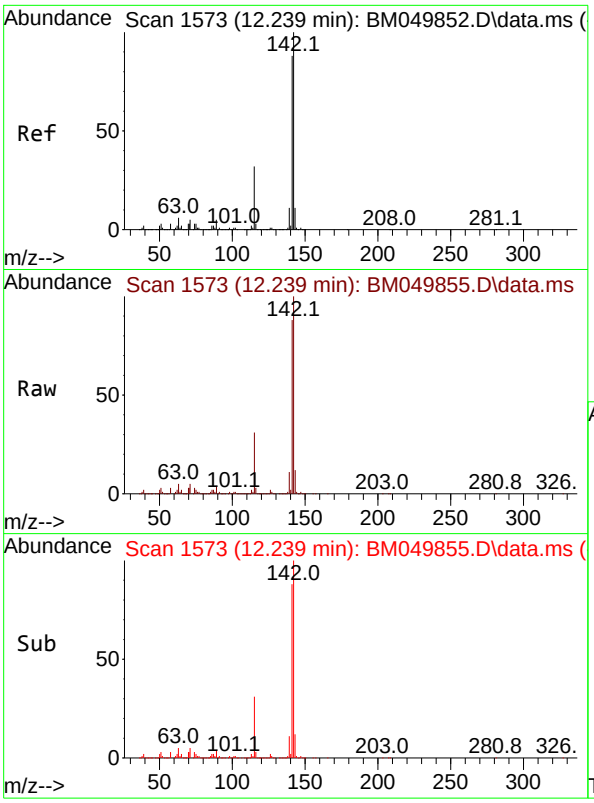


#36
4-Chloro-3-methylphenol
Concen: 84.779 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1439396

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.6	35.4
142	90.2	71.4	107.0

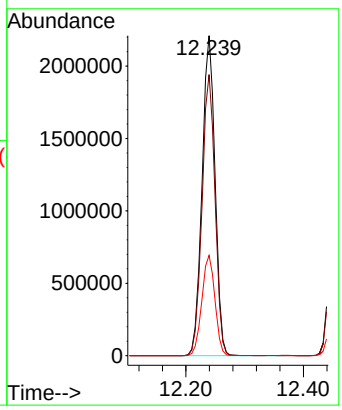




#37
2-Methylnaphthalene
Concen: 83.379 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 338876

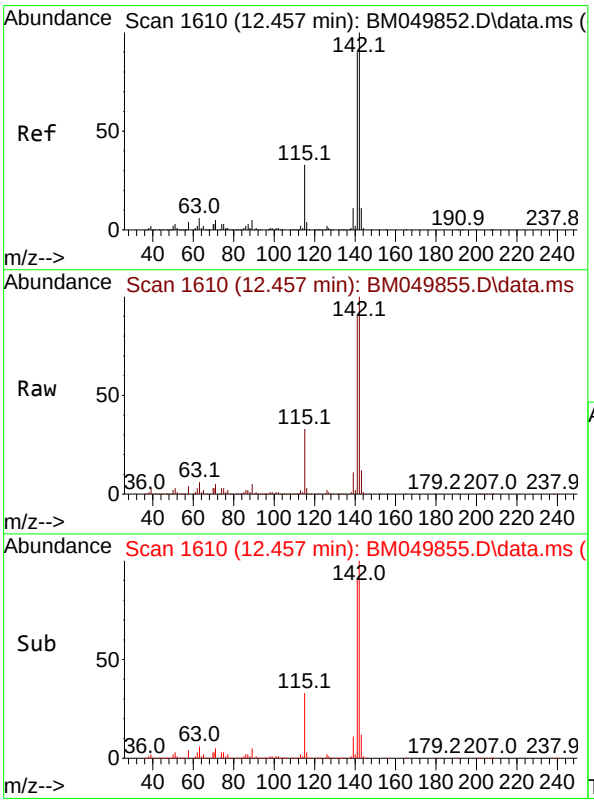
Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

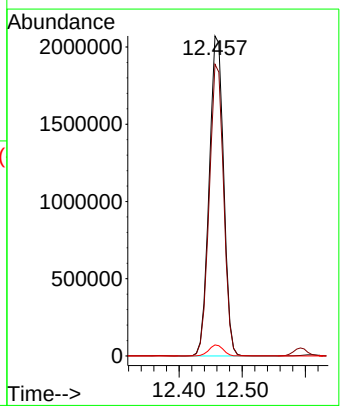
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

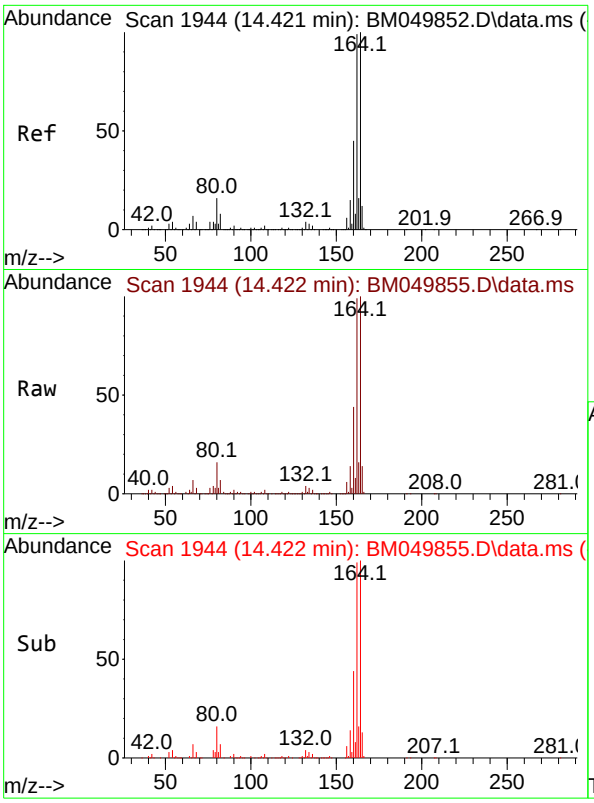


#38
1-Methylnaphthalene
Concen: 82.967 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 3285148

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.2	108.2
116	3.4	2.9	4.3

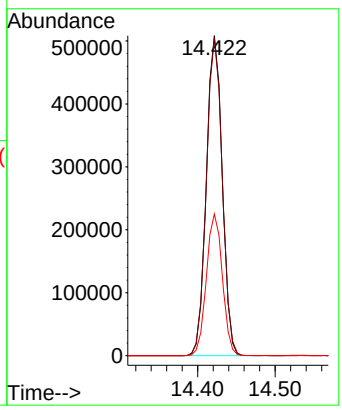




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:164 Resp: 72437

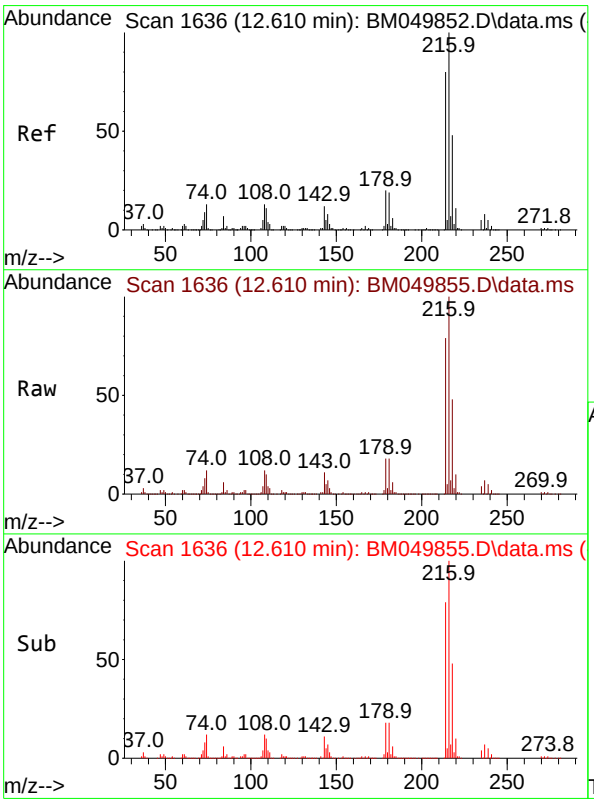
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.3	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

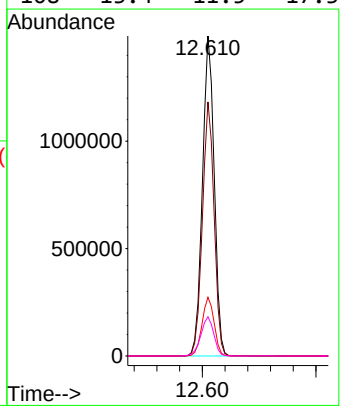
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

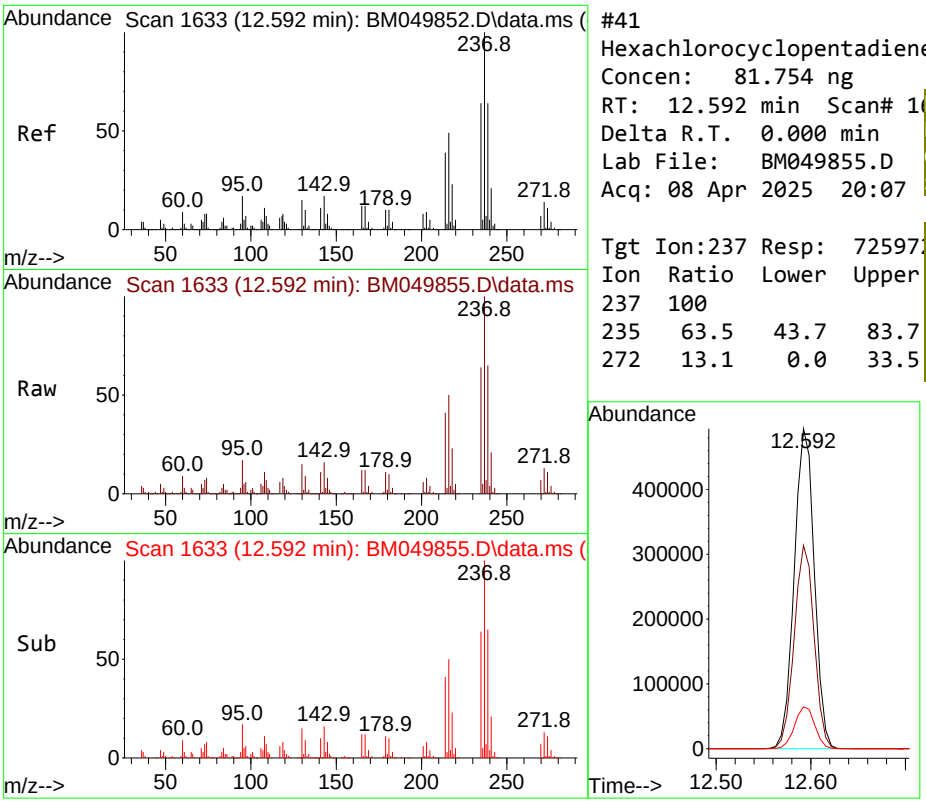


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.255 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:216 Resp: 2135182

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	18.8	15.8	23.6
108	13.4	11.5	17.3





#41
Hexachlorocyclopentadiene
Concen: 81.754 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

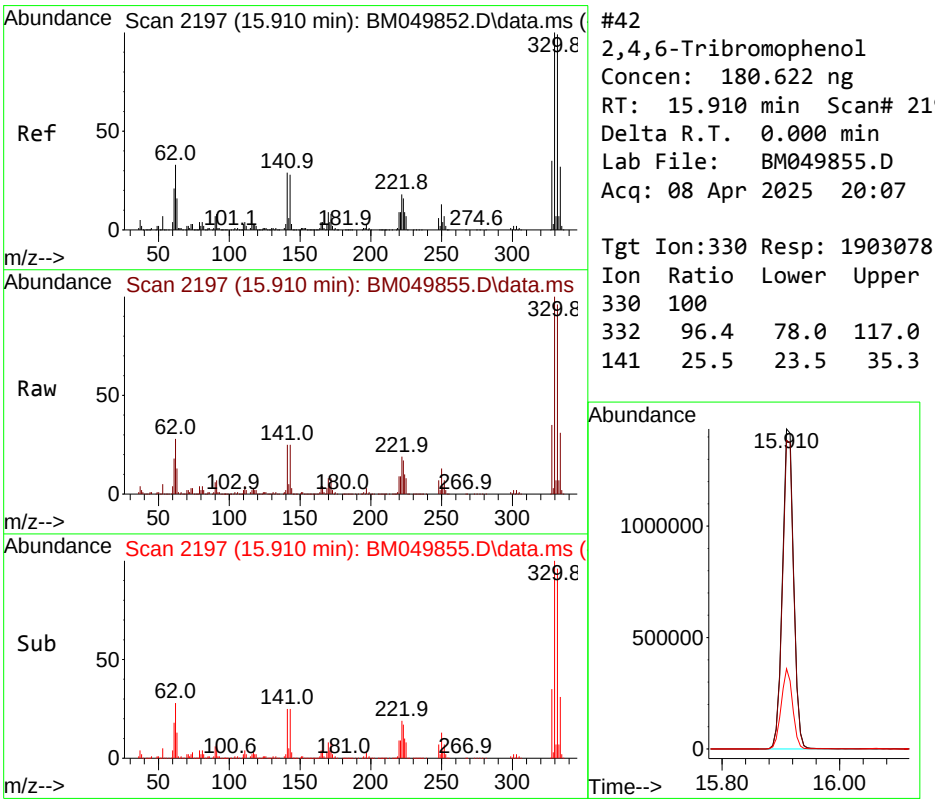
Tgt Ion:237 Resp: 72597

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.7	83.7
272	13.1	0.0	33.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

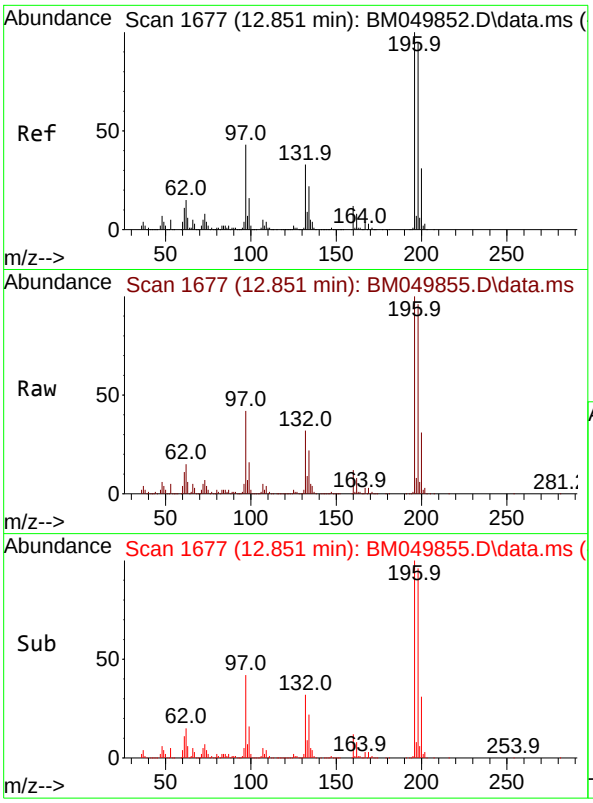
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



#42
2,4,6-Tribromophenol
Concen: 180.622 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:330 Resp: 1903078

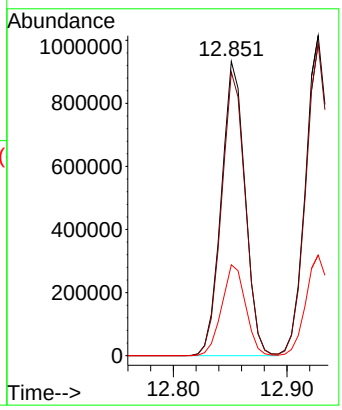
Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	25.5	23.5	35.3



#43
2,4,6-Trichlorophenol
Concen: 84.134 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 135673

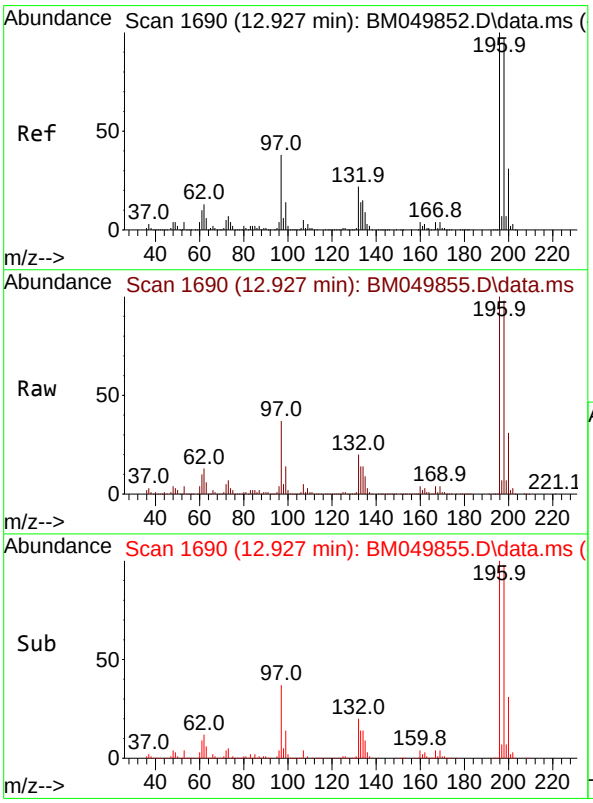
Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
200	30.9	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

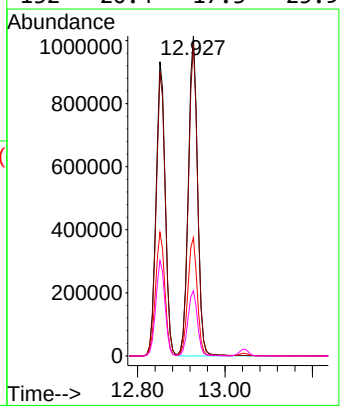
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

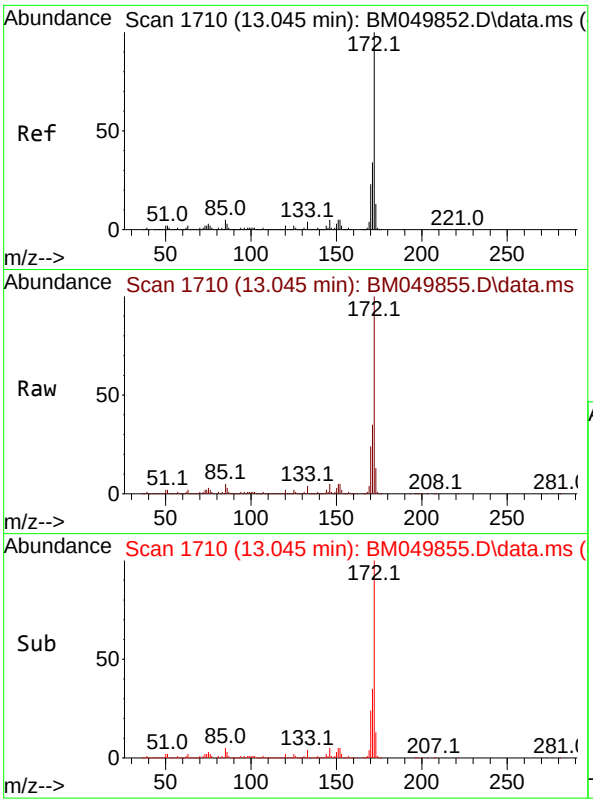


#44
2,4,5-Trichlorophenol
Concen: 84.323 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 1477695

Ion	Ratio	Lower	Upper
196	100		
198	97.5	77.7	116.5
97	37.0	30.3	45.5
132	20.4	17.3	25.9

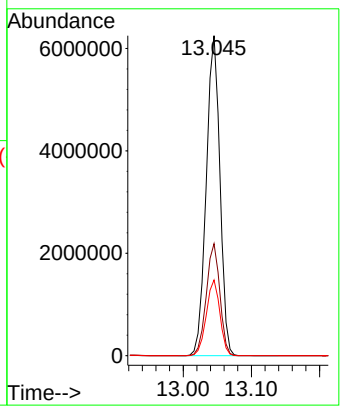




#45
2-Fluorobiphenyl
Concen: 163.160 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:172 Resp: 871591

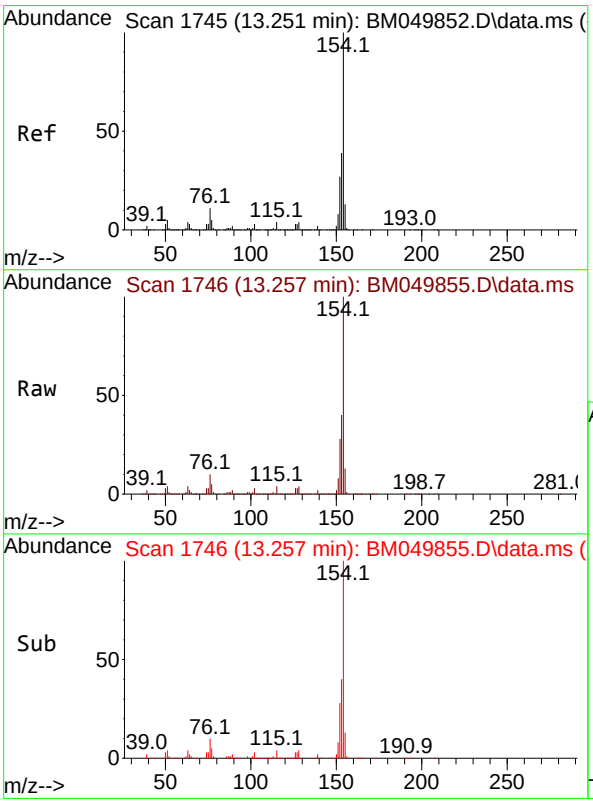
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.2
170	23.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

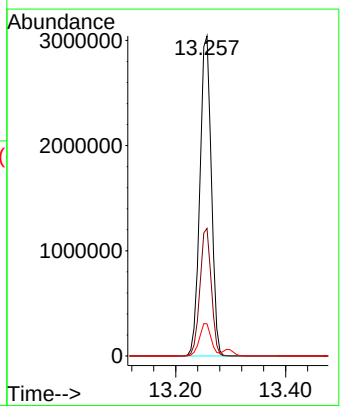
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

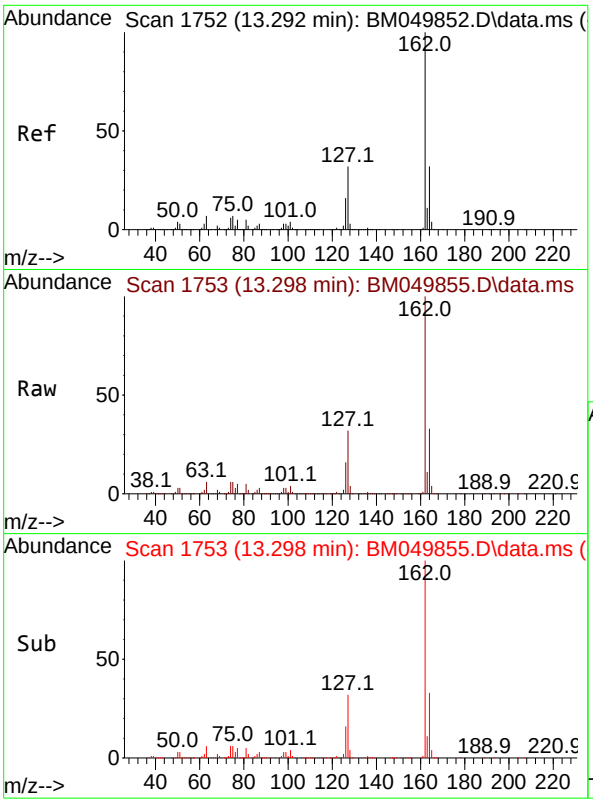


#46
1,1'-Biphenyl
Concen: 81.540 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 4390713

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.3	59.3
76	10.0	0.0	30.7

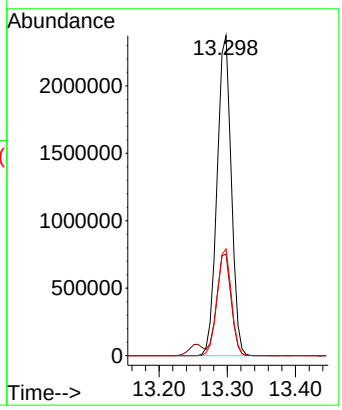




#47
2-Chloronaphthalene
Concen: 81.376 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 344409

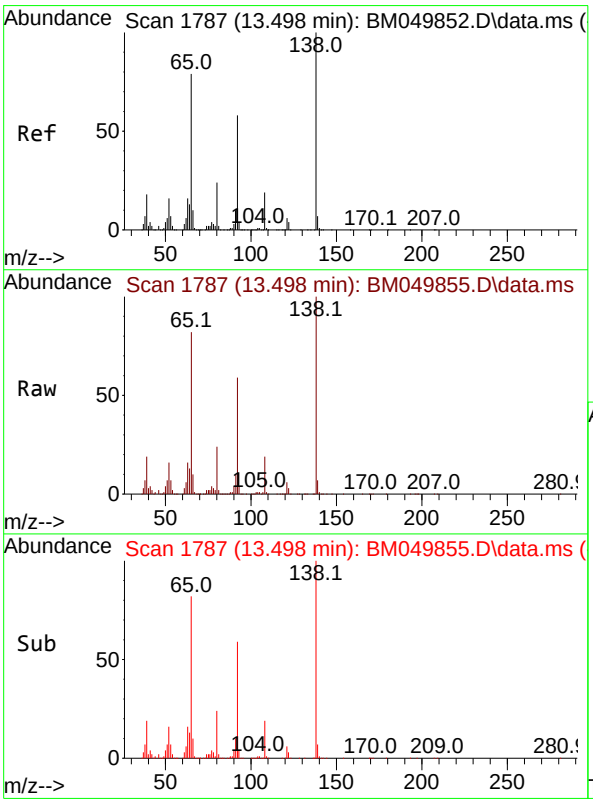
Ion	Ratio	Lower	Upper
162	100		
127	31.7	26.0	39.0
164	33.3	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

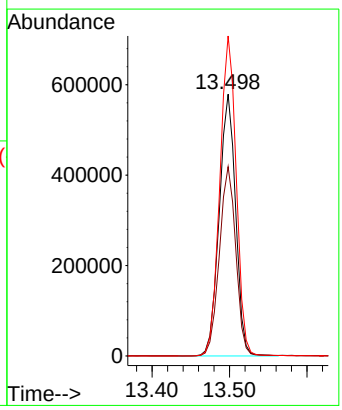
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

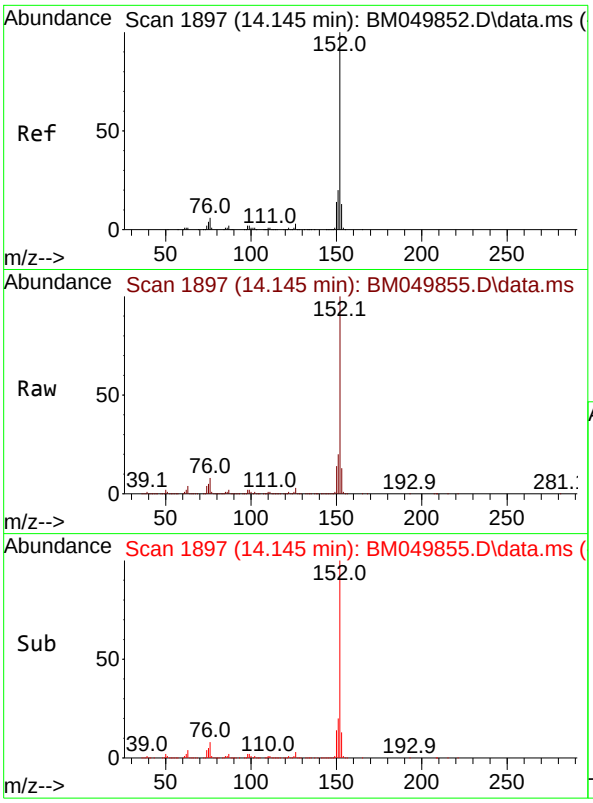


#48
2-Nitroaniline
Concen: 87.168 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 65 Resp: 853486

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	122.2	100.8	151.2

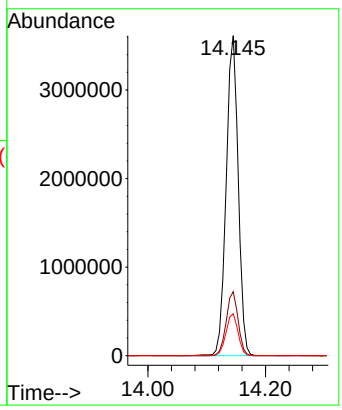




#49
Acenaphthylene
Concen: 83.088 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 512239

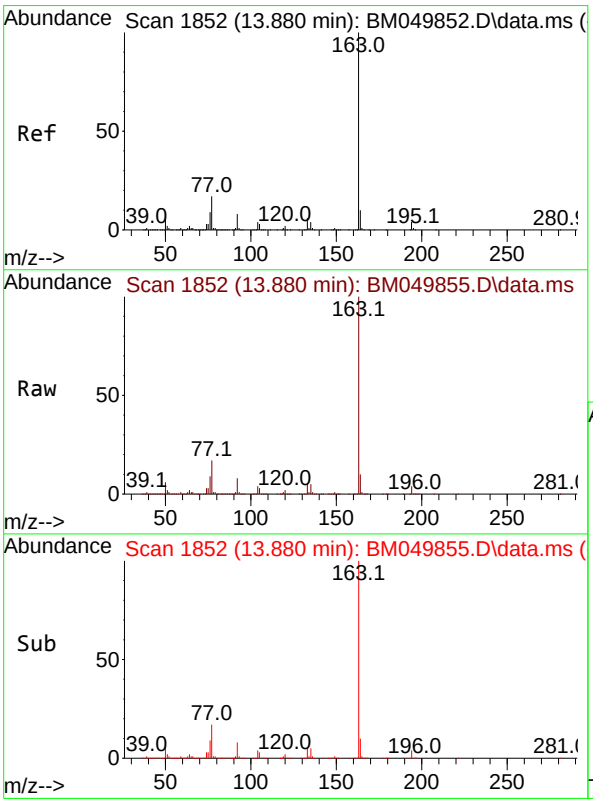
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

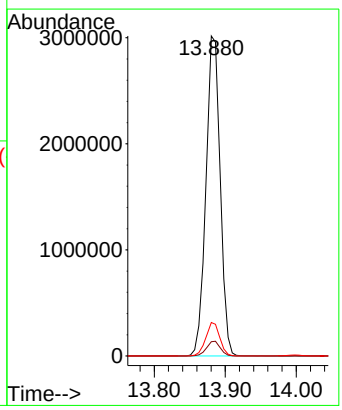
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

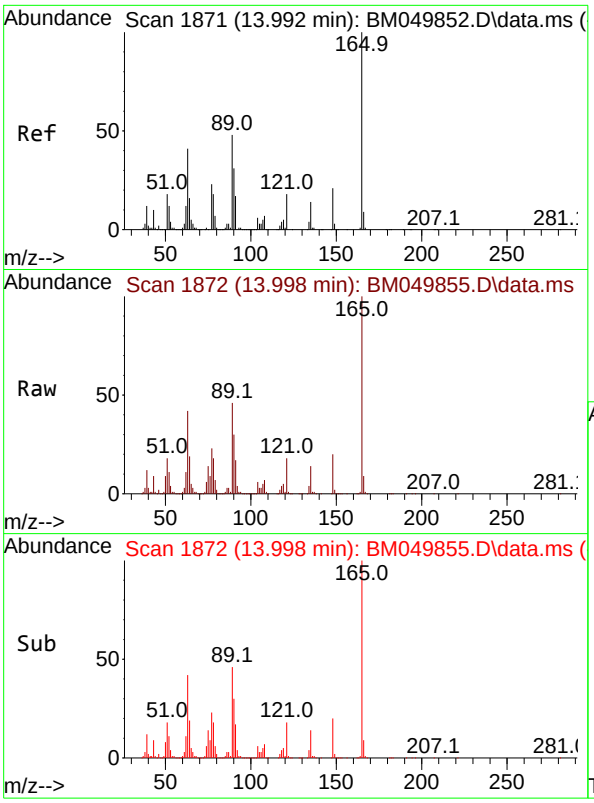


#50
Dimethylphthalate
Concen: 82.512 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:163 Resp: 4216670

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.4	7.9	11.9

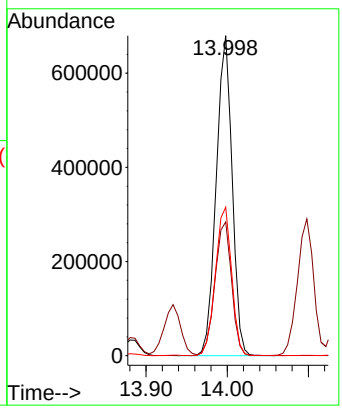




#51
2,6-Dinitrotoluene
Concen: 86.653 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 92778

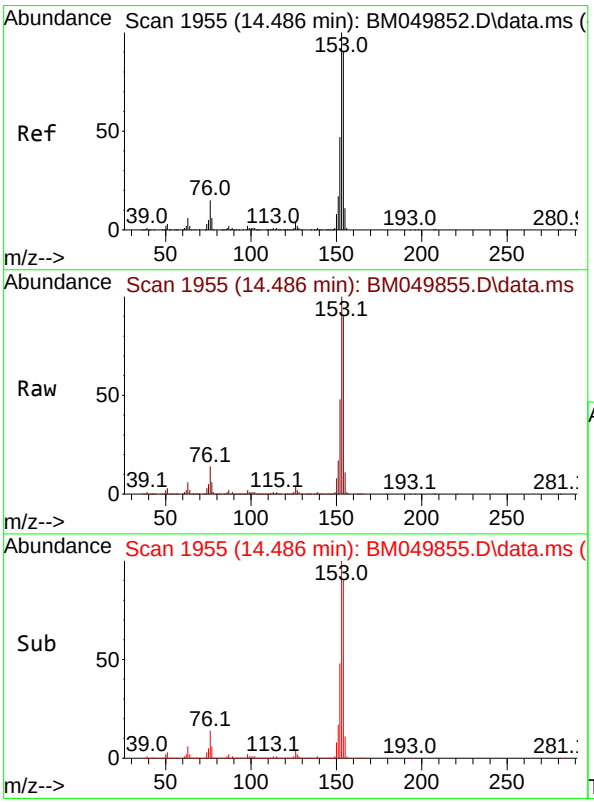
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	46.4	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

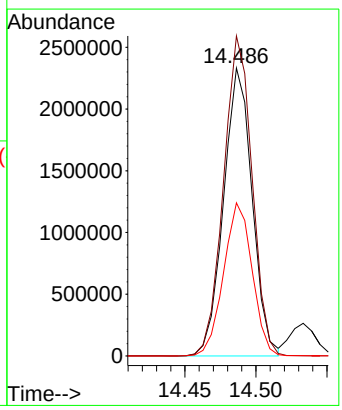
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

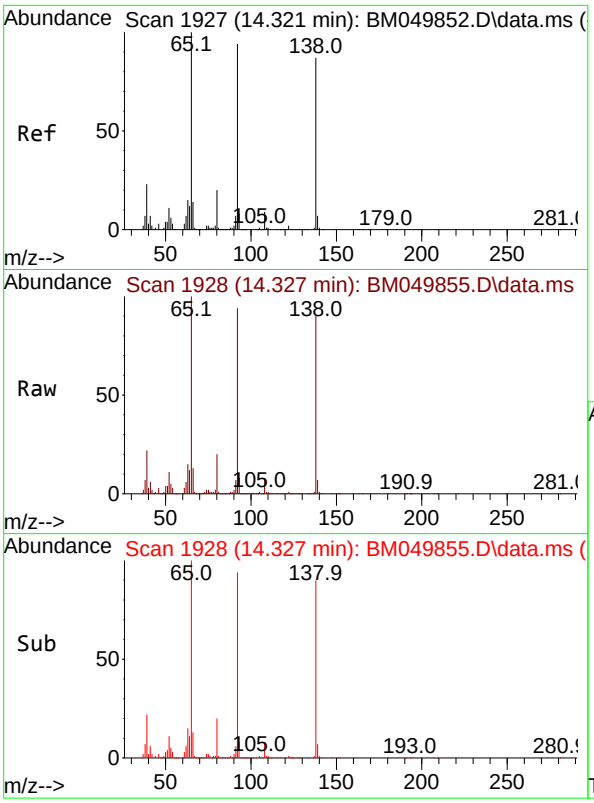


#52
Acenaphthene
Concen: 83.258 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 3264918

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	53.2	42.2	63.2

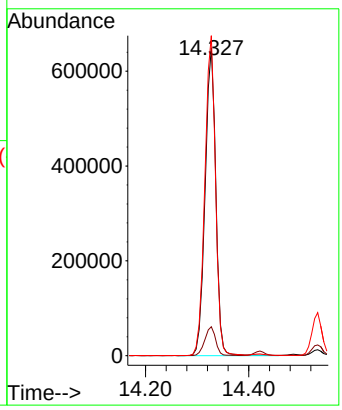




#53
3-Nitroaniline
Concen: 89.933 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 93064

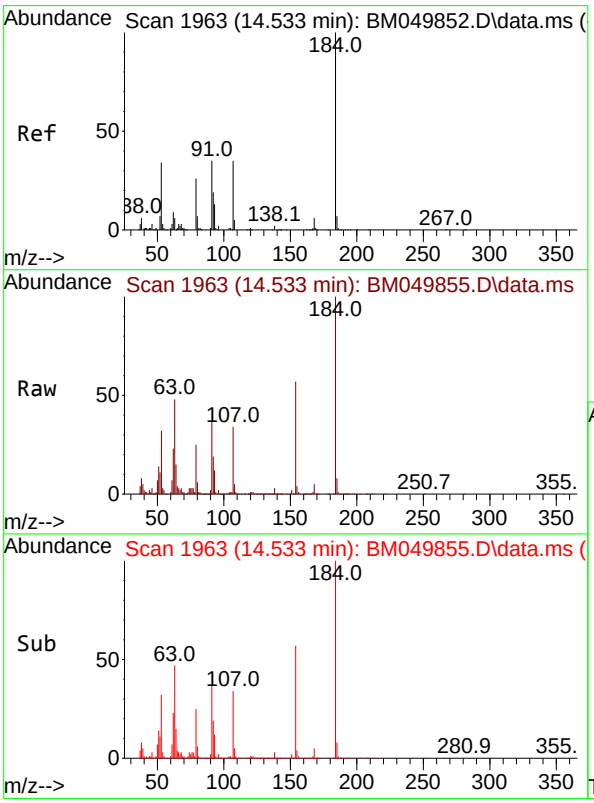
Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	104.0	86.5	129.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

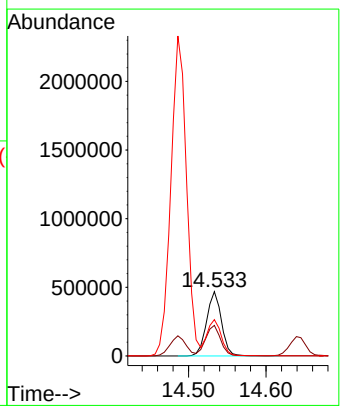
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

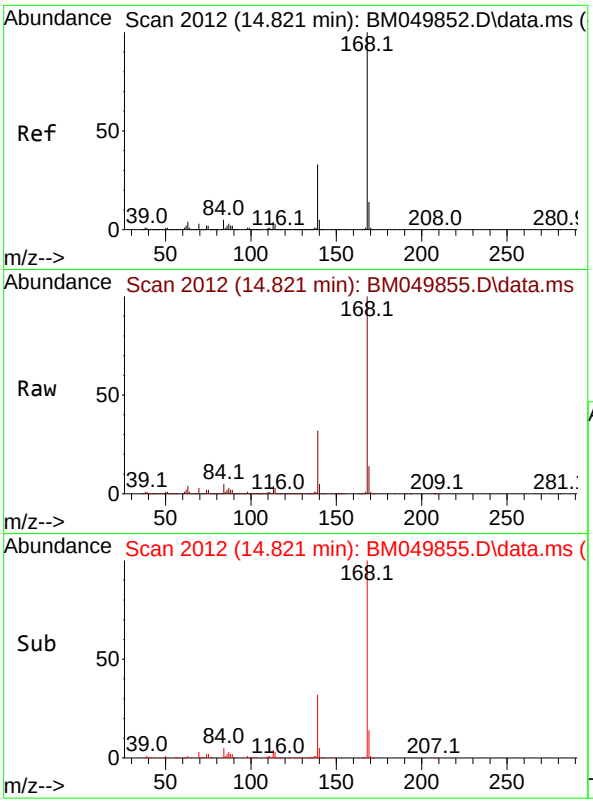


#54
2,4-Dinitrophenol
Concen: 80.604 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 625443

Ion	Ratio	Lower	Upper
184	100		
63	47.6	38.4	57.6
154	56.6	48.1	72.1

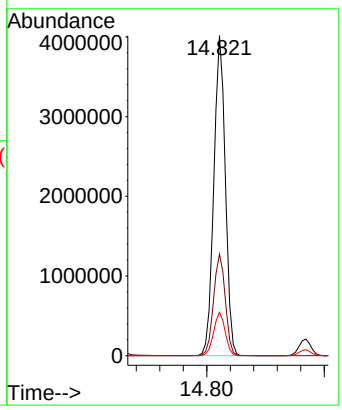




#55
Dibenzofuran
Concen: 83.068 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:168 Resp: 544558(

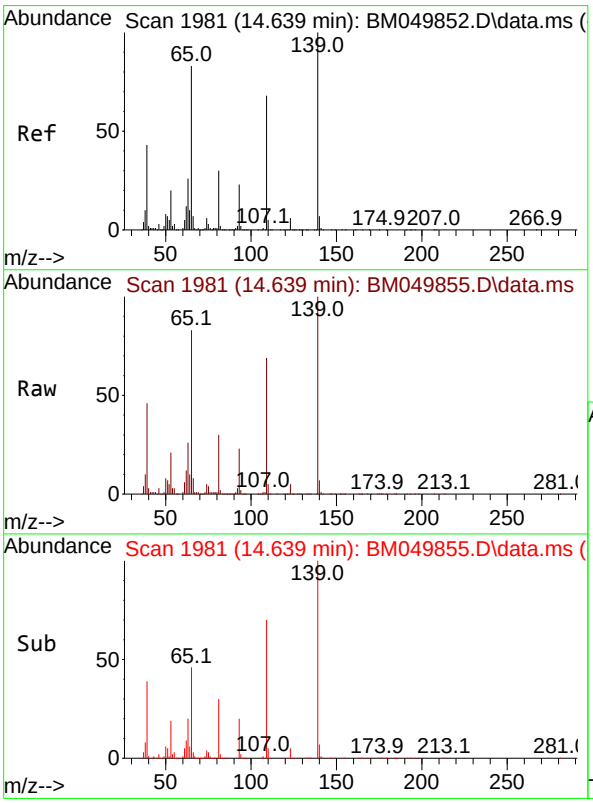
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

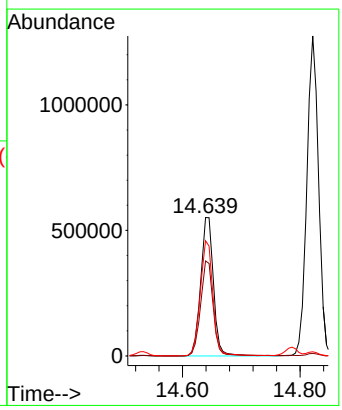
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

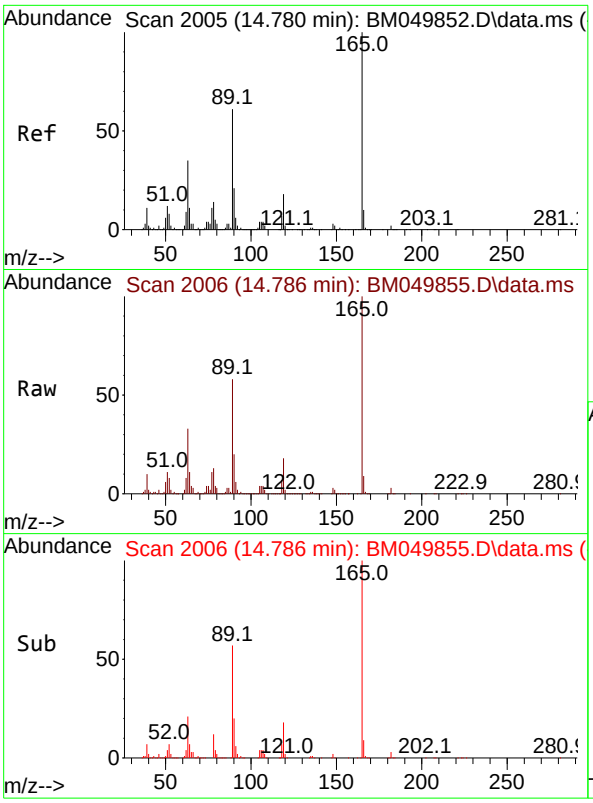


#56
4-Nitrophenol
Concen: 90.623 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 835691

Ion	Ratio	Lower	Upper
139	100		
109	68.7	47.9	87.9
65	83.2	62.7	102.7

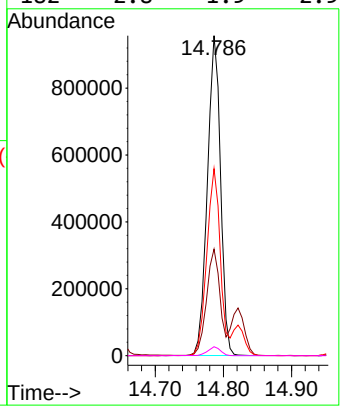




#57
2,4-Dinitrotoluene
Concen: 89.846 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 128334

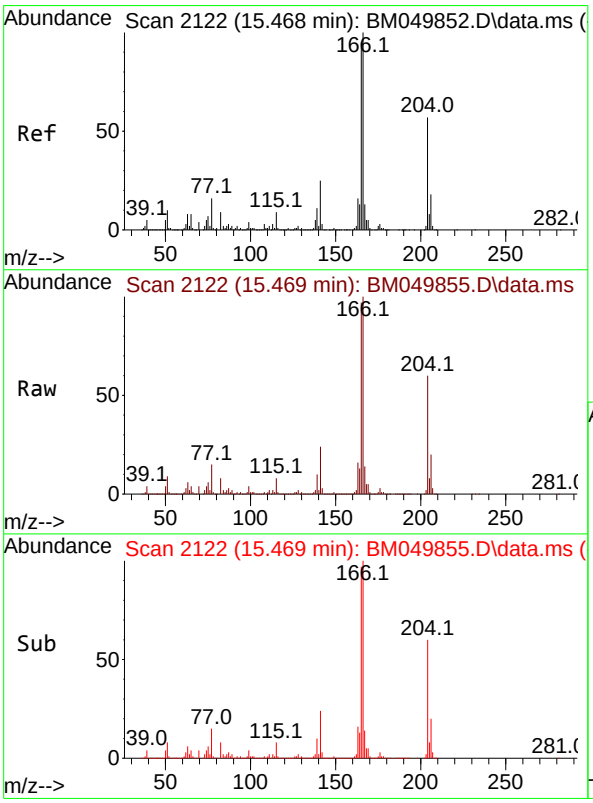
Ion	Ratio	Lower	Upper
165	100		
63	33.3	28.6	42.8
89	58.5	49.0	73.6
182	2.8	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

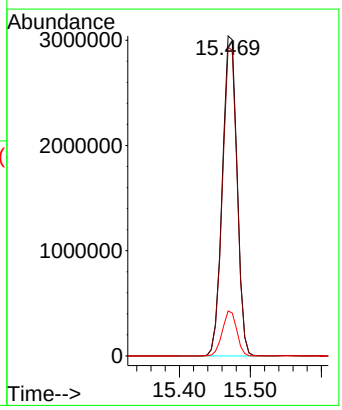
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

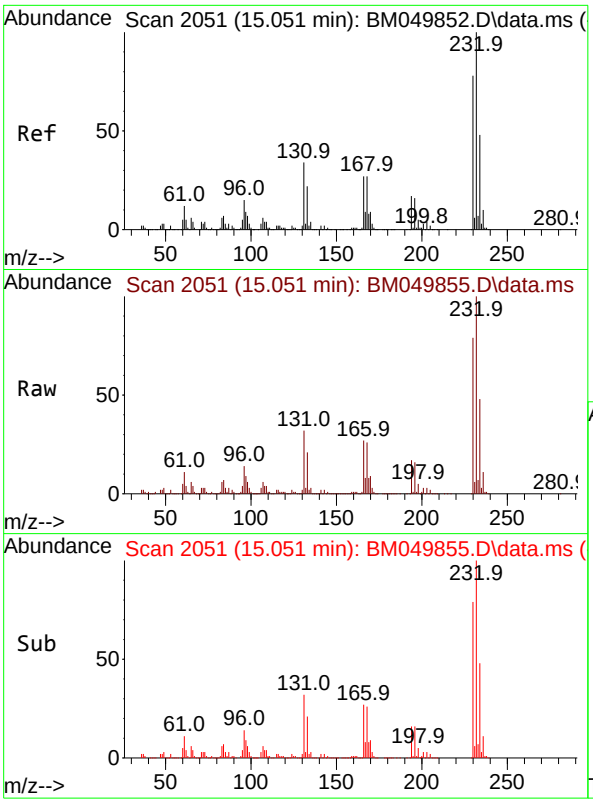


#58
Fluorene
Concen: 83.687 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:166 Resp: 4360823

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.3	114.5
167	14.0	10.7	16.1

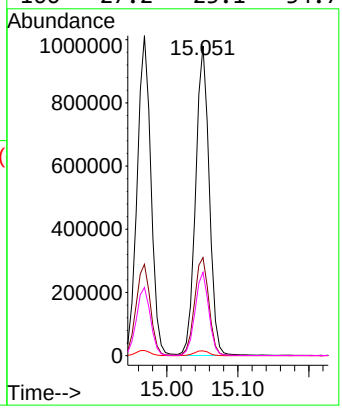




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.213 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:232 Resp: 130882

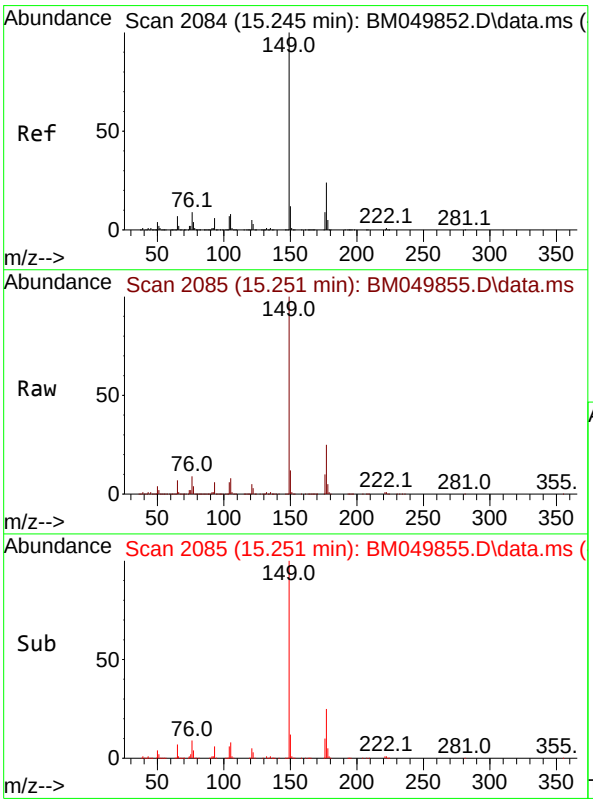
Ion	Ratio	Lower	Upper
232	100		
131	33.3	28.4	42.6
130	1.7	1.6	2.4
166	27.2	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

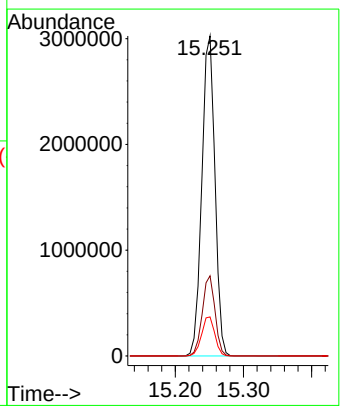
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

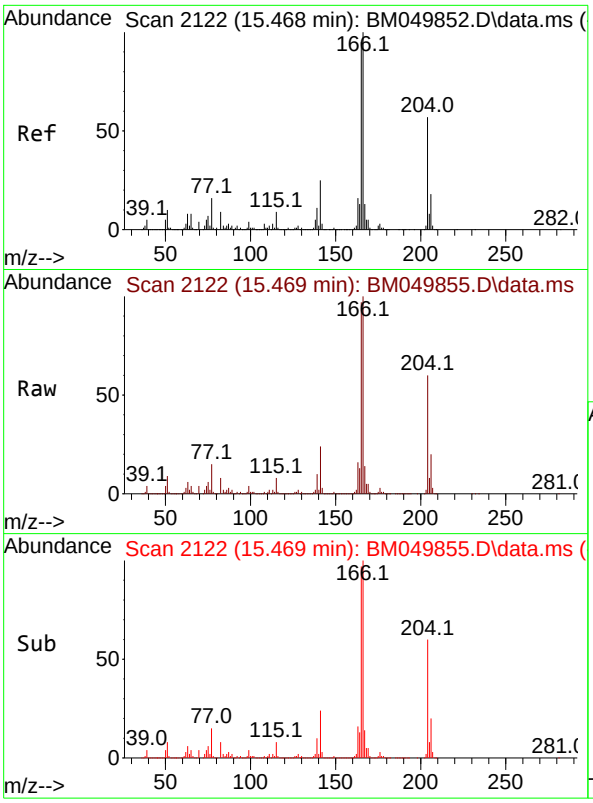


#60
Diethylphthalate
Concen: 82.577 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 4046865

Ion	Ratio	Lower	Upper
149	100		
177	25.0	19.0	28.4
150	12.2	9.7	14.5

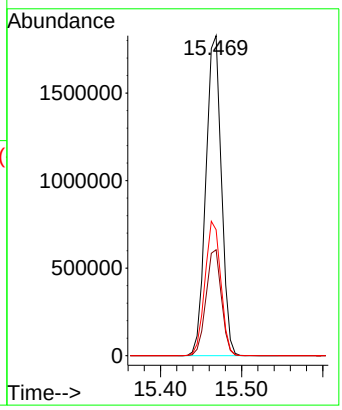




#61
4-Chlorophenyl-phenylether
Concen: 86.698 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:204 Resp: 242211

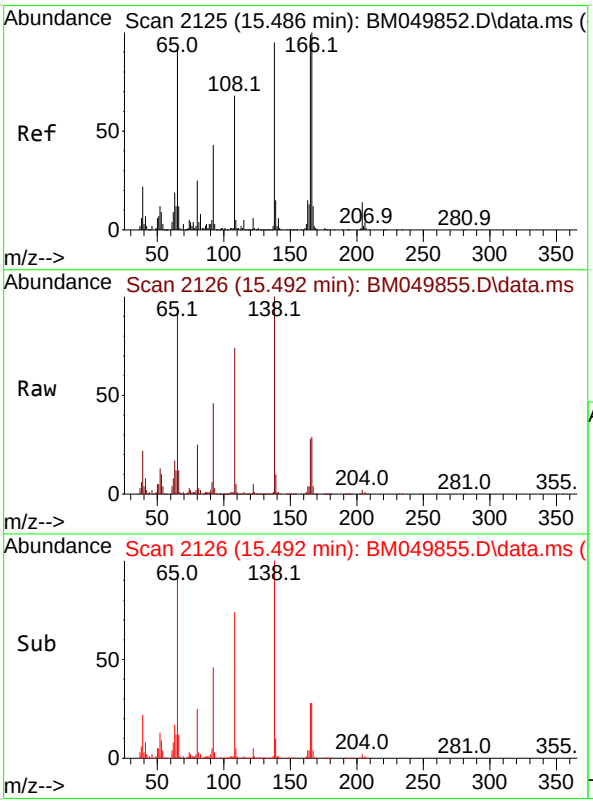
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	39.3	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

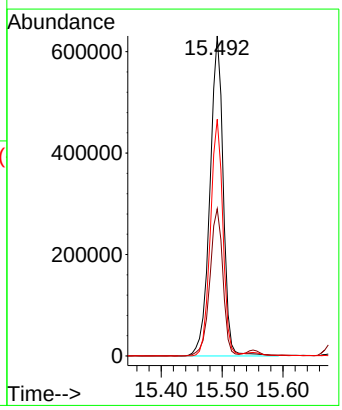
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

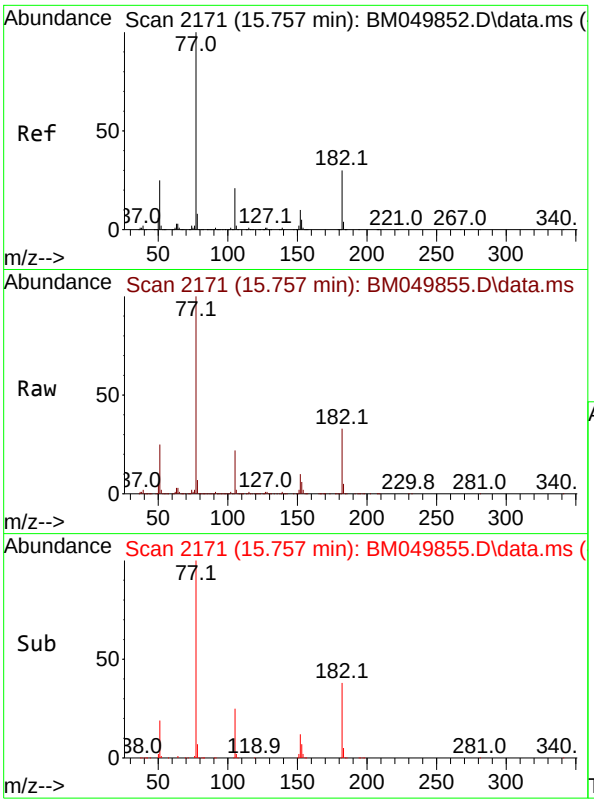


#62
4-Nitroaniline
Concen: 89.608 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 958937

Ion	Ratio	Lower	Upper
138	100		
92	46.0	24.9	64.9
108	74.0	51.7	91.7

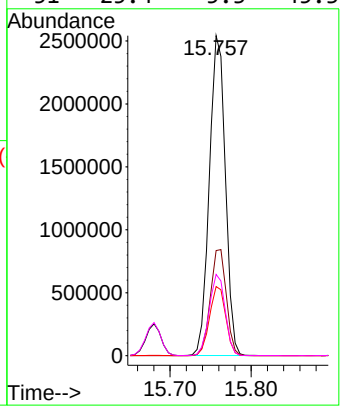




#63
Azobenzene
Concen: 82.888 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

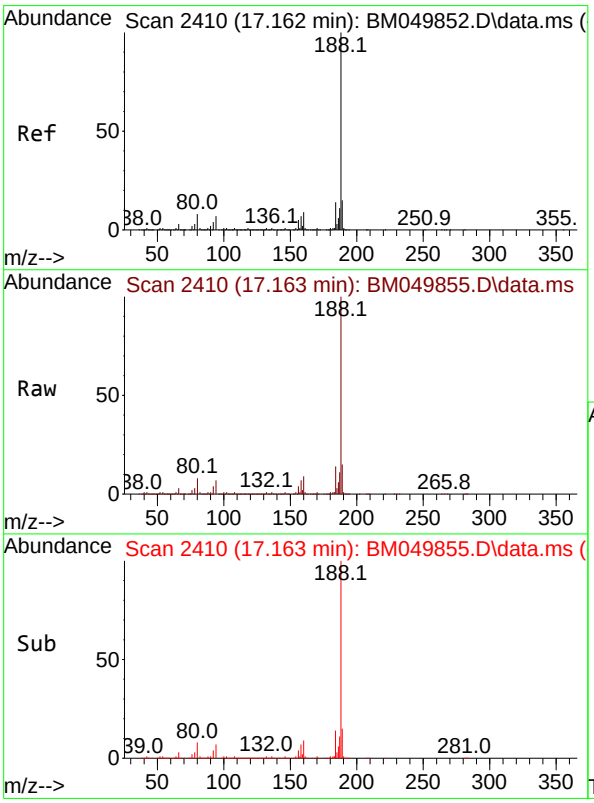
Tgt Ion: 77 Resp: 347780

Ion	Ratio	Lower	Upper
77	100		
182	32.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

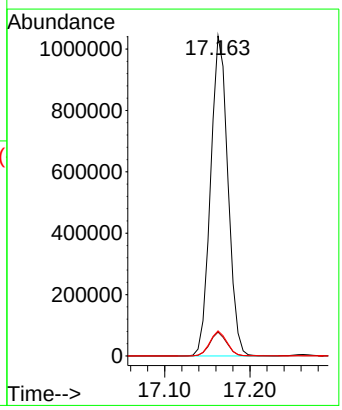
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

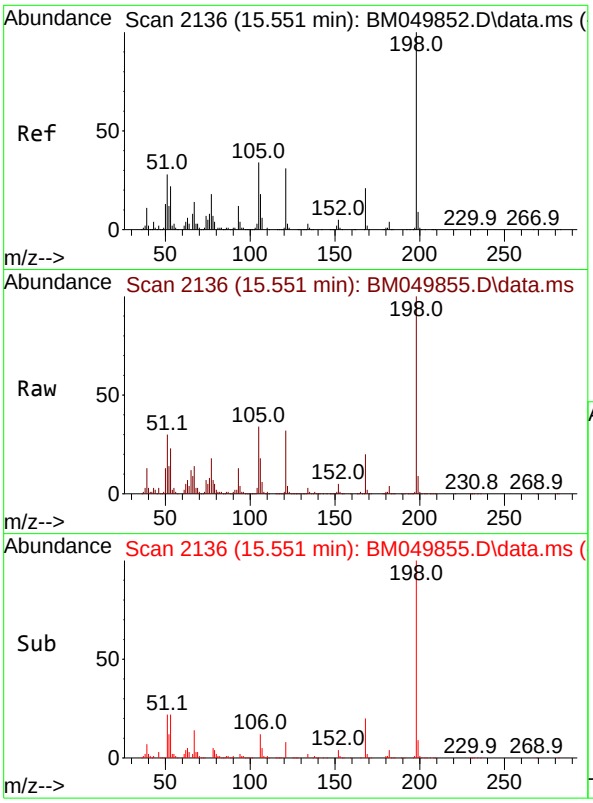


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:188 Resp: 1472595

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.4	9.6

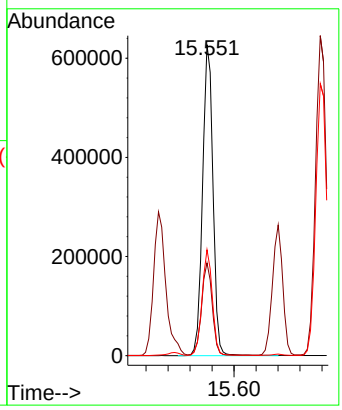




#65
4,6-Dinitro-2-methylphenol
Concen: 88.841 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:198 Resp: 82441

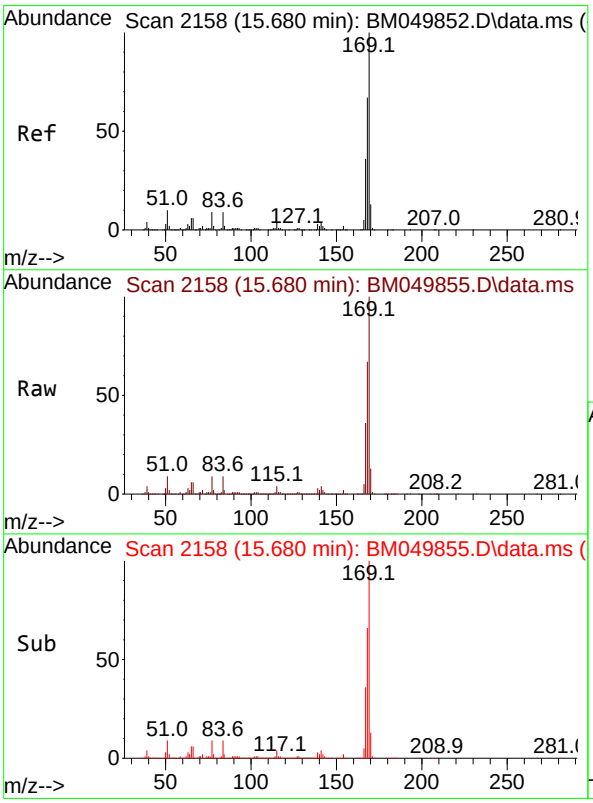
Ion	Ratio	Lower	Upper
198	100		
51	29.8	9.6	49.6
105	34.1	14.7	54.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

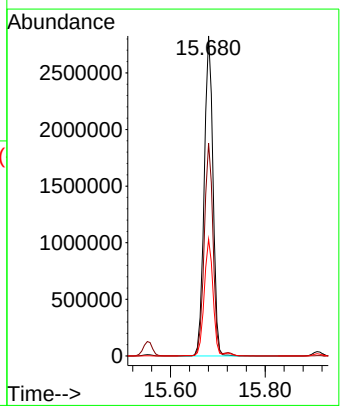
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

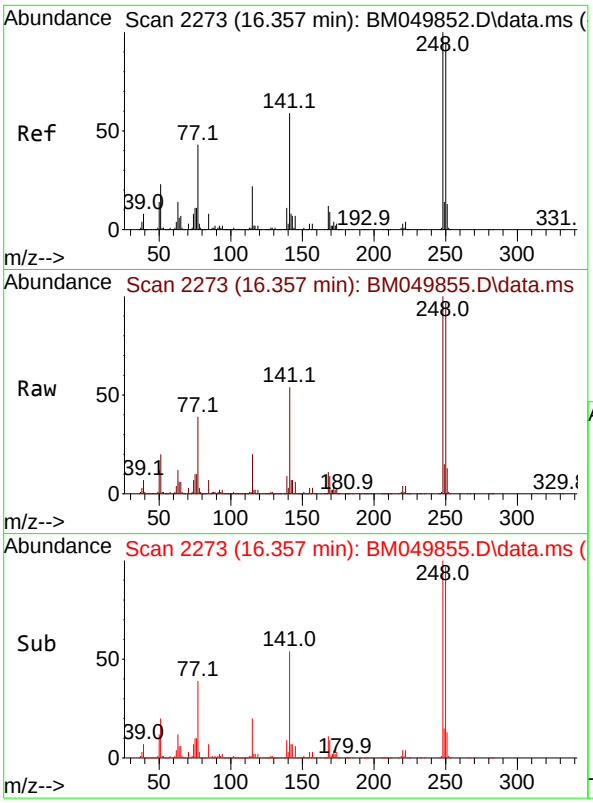


#66
n-Nitrosodiphenylamine
Concen: 82.034 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:169 Resp: 3615164

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 86.704 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

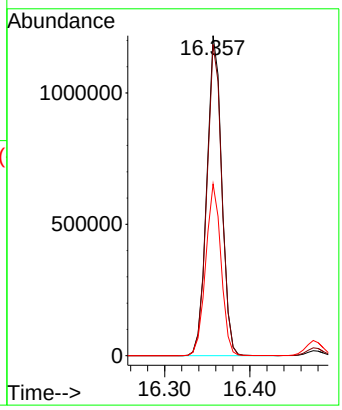
Tgt Ion:248 Resp: 148221

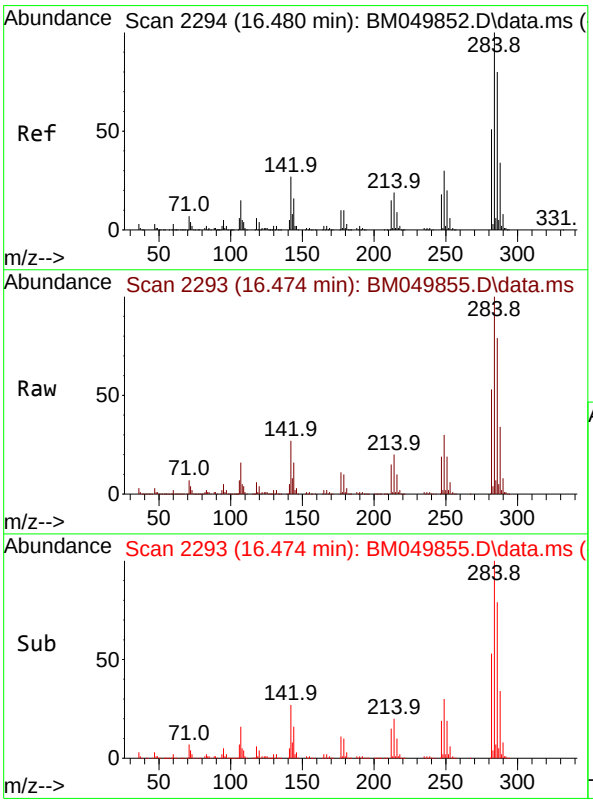
Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.2
141	53.6	47.3	70.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

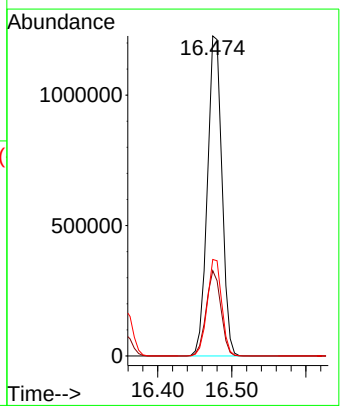


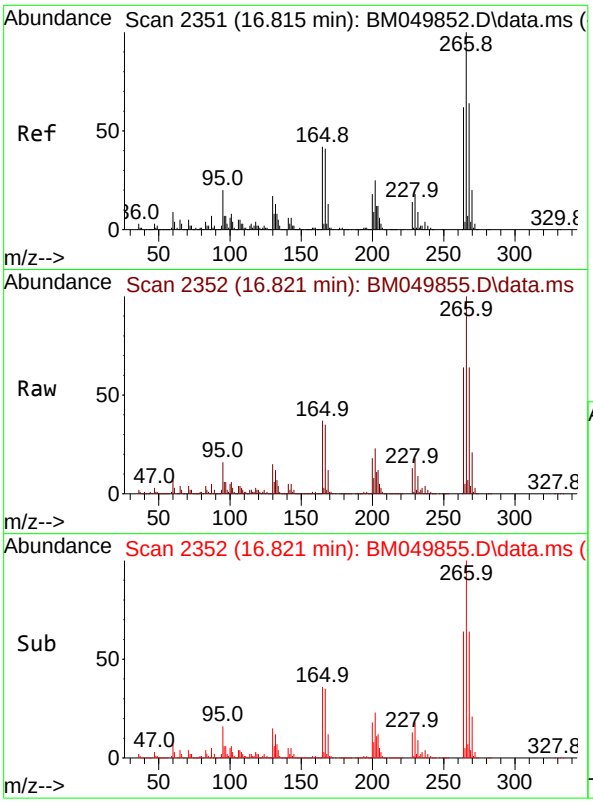


#68
Hexachlorobenzene
Concen: 85.201 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:284 Resp: 1670677

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.2	31.8
249	30.2	24.1	36.1

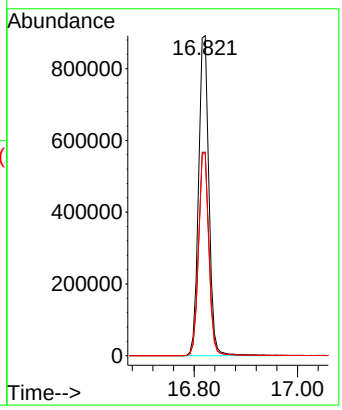




#70
Pentachlorophenol
Concen: 85.821 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:266 Resp: 123892

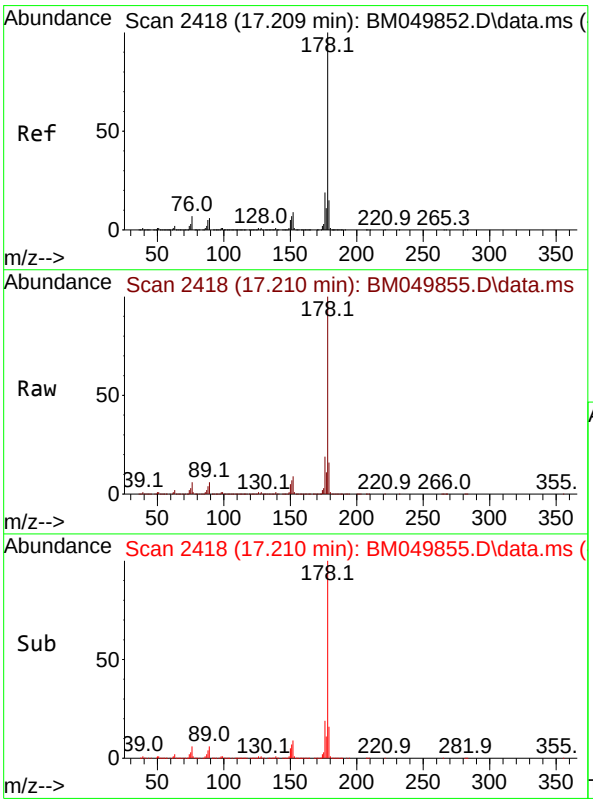
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.6	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

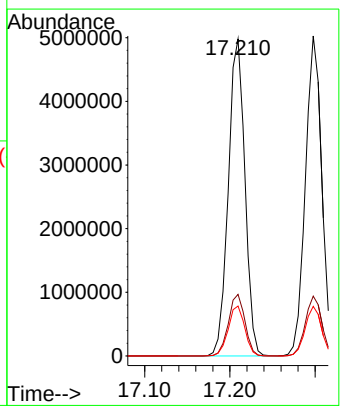
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

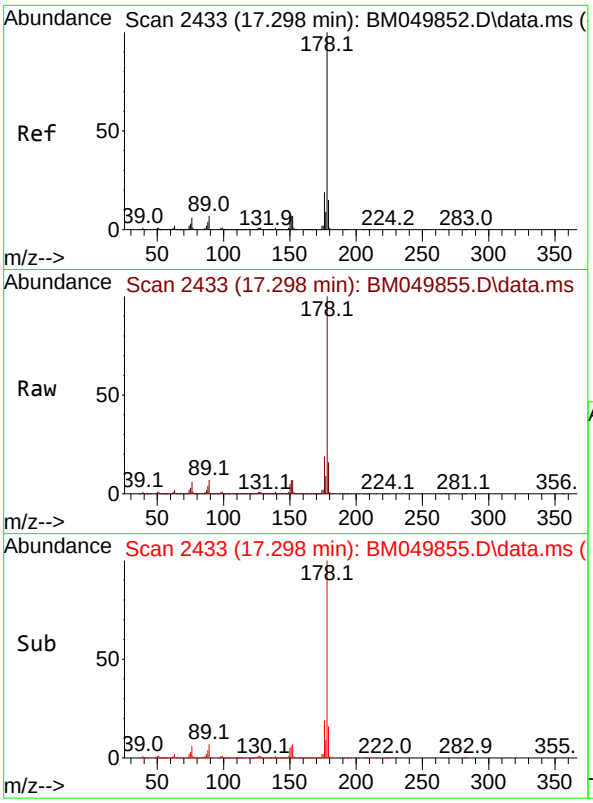


#71
Phenanthrene
Concen: 83.700 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 6757399

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.3	18.5

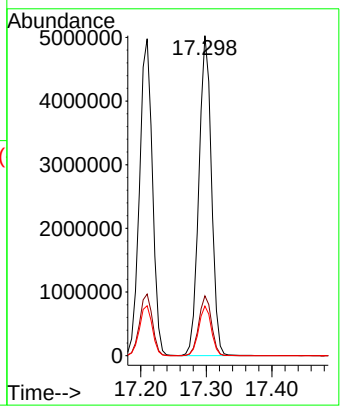




#72
Anthracene
Concen: 84.390 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 671418

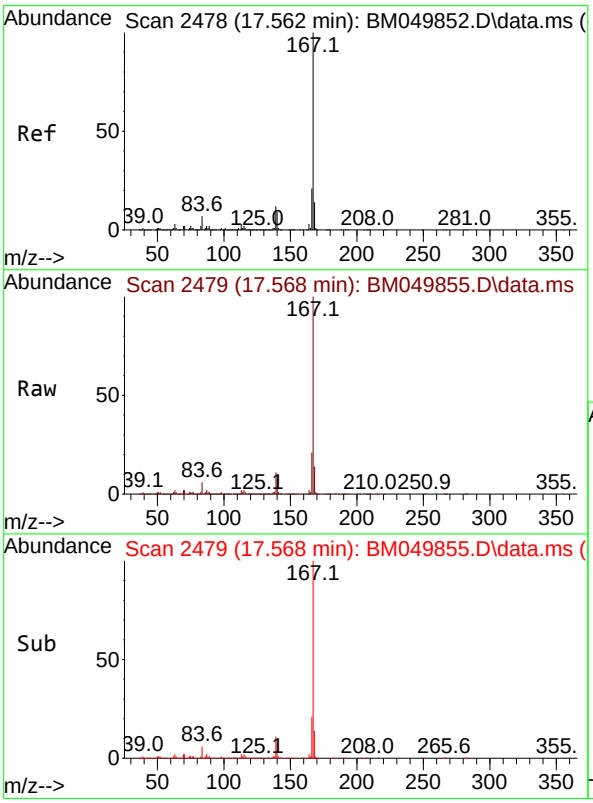
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

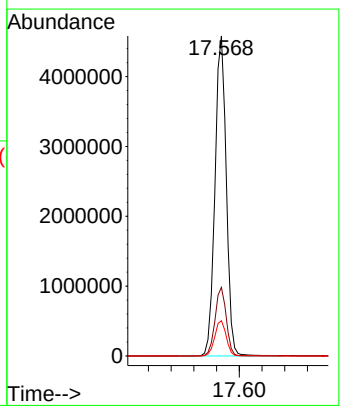
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

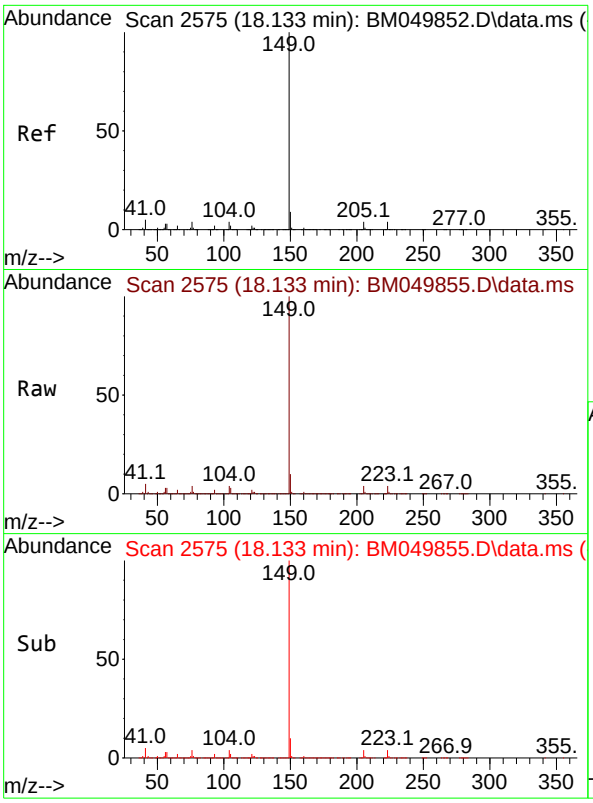


#73
Carbazole
Concen: 84.159 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:167 Resp: 6306654

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	11.0	9.3	13.9

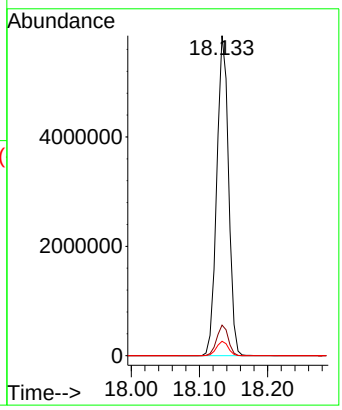




#74
Di-n-butylphthalate
Concen: 81.592 ng
RT: 18.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 704243

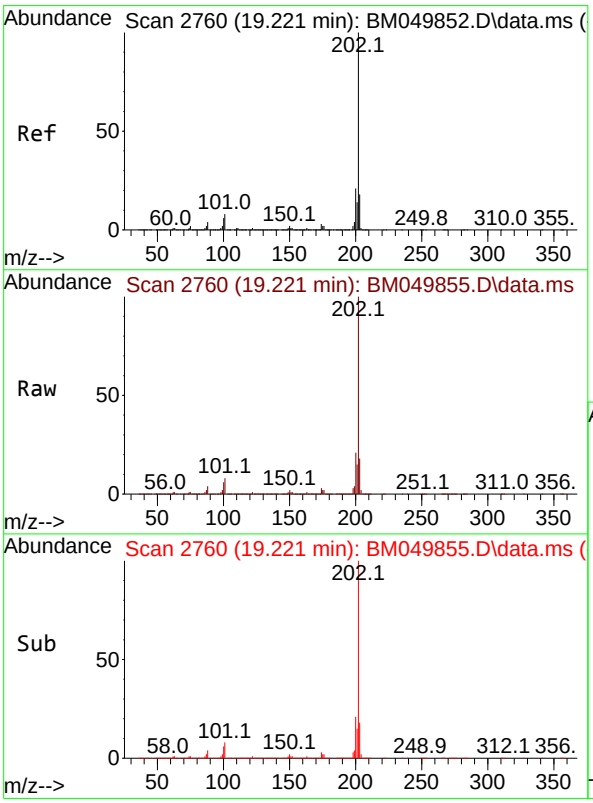
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.5	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

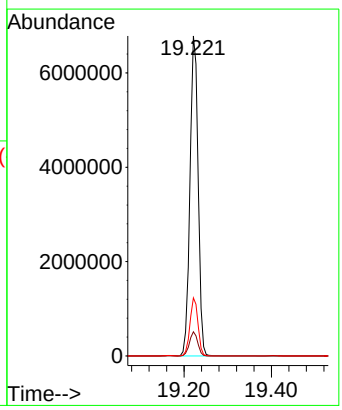
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

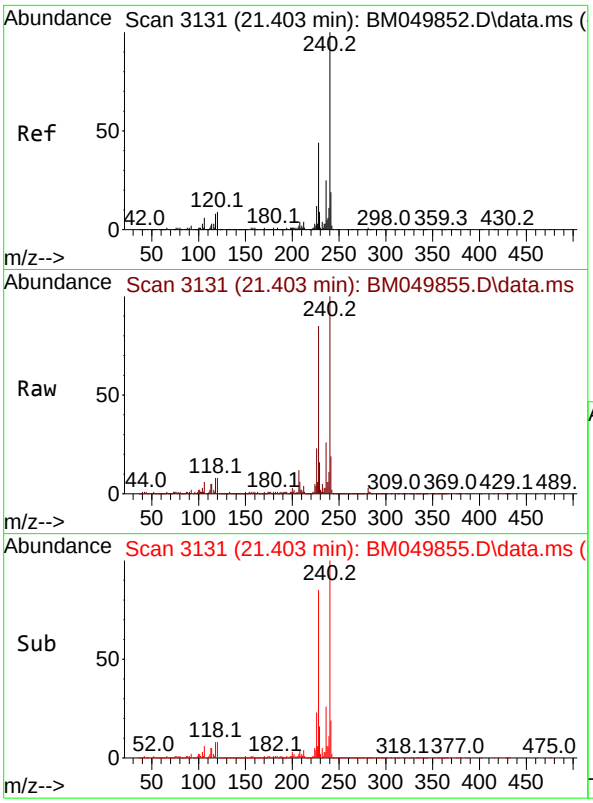


#75
Fluoranthene
Concen: 88.324 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 8767531

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	18.1	0.0	37.8

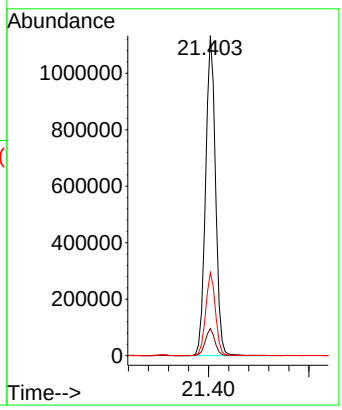




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:240 Resp: 155860

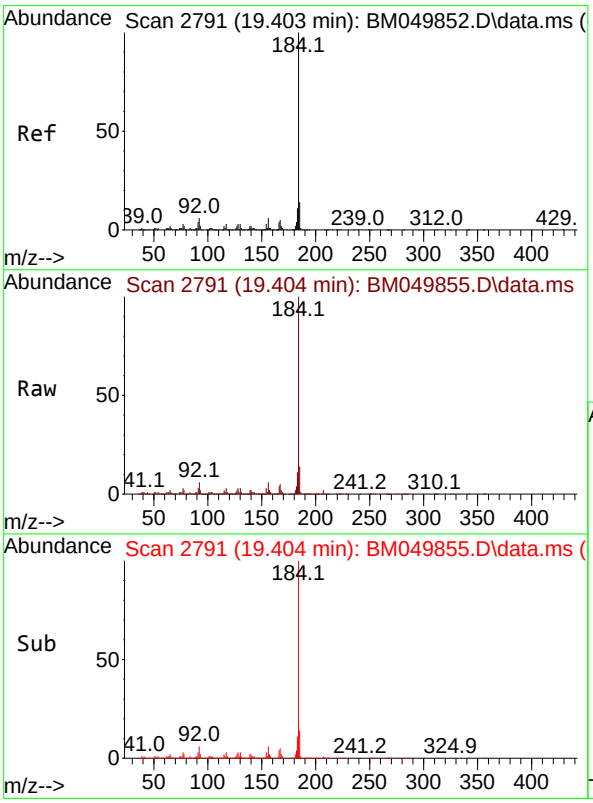
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.0	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

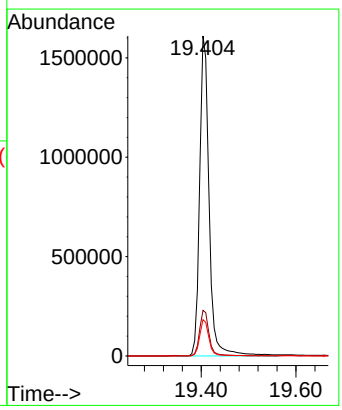
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

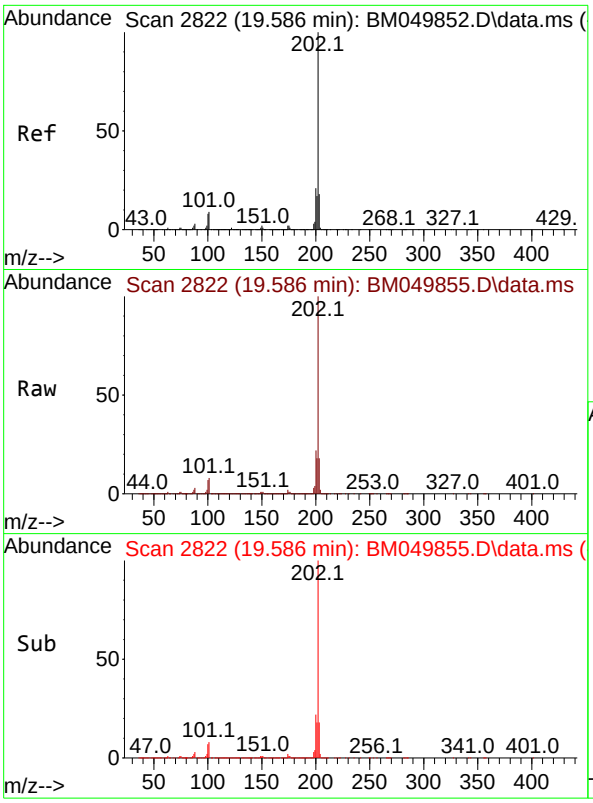


#77
Benzidine
Concen: 107.704 ng
RT: 19.404 min Scan# 2791
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 2227000

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.4	8.8	13.2

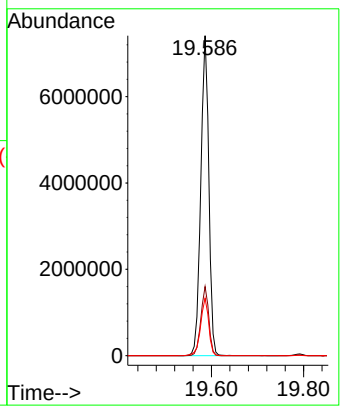




#78
Pyrene
Concen: 83.755 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 899668

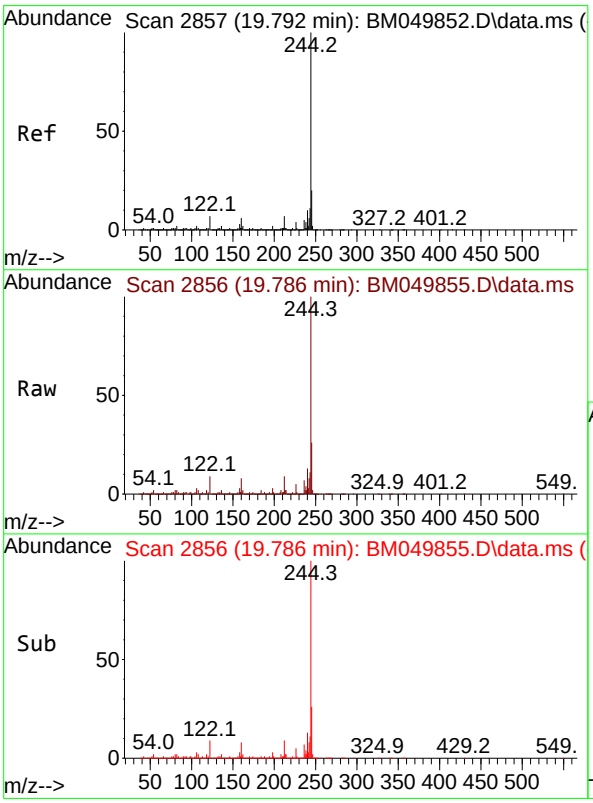
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.0	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

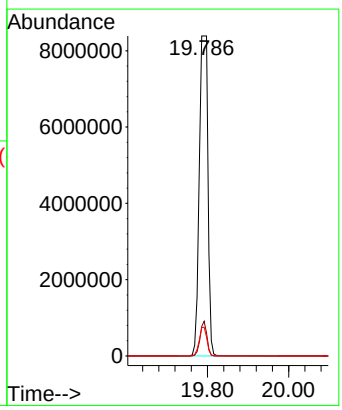
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

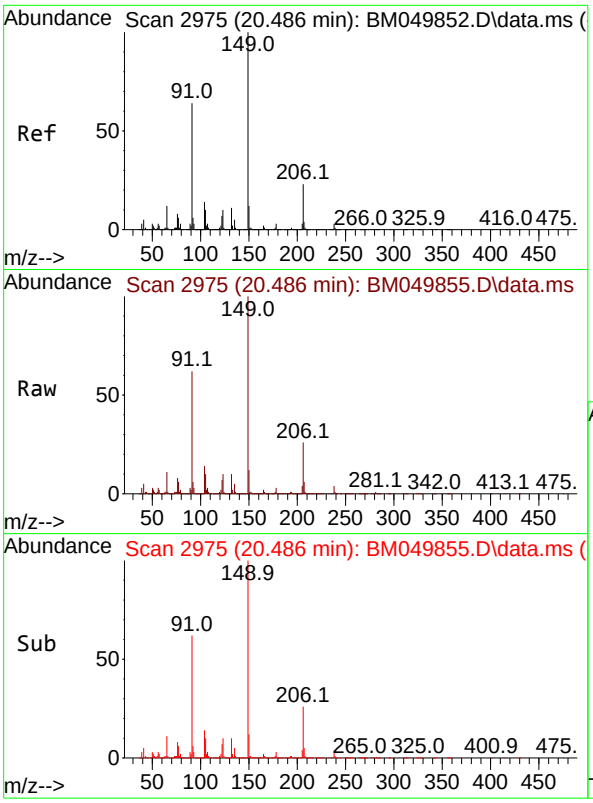


#79
Terphenyl-d14
Concen: 150.586 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:244 Resp:12523857

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.5	8.3#
122	8.9	5.4	8.0#

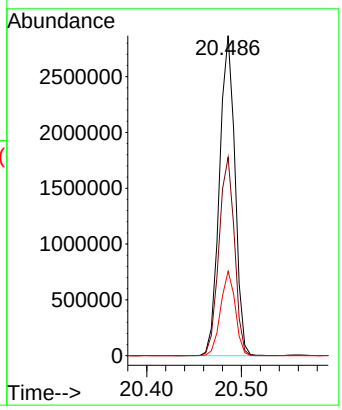




#80
Butylbenzylphthalate
Concen: 80.838 ng
RT: 20.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 326279

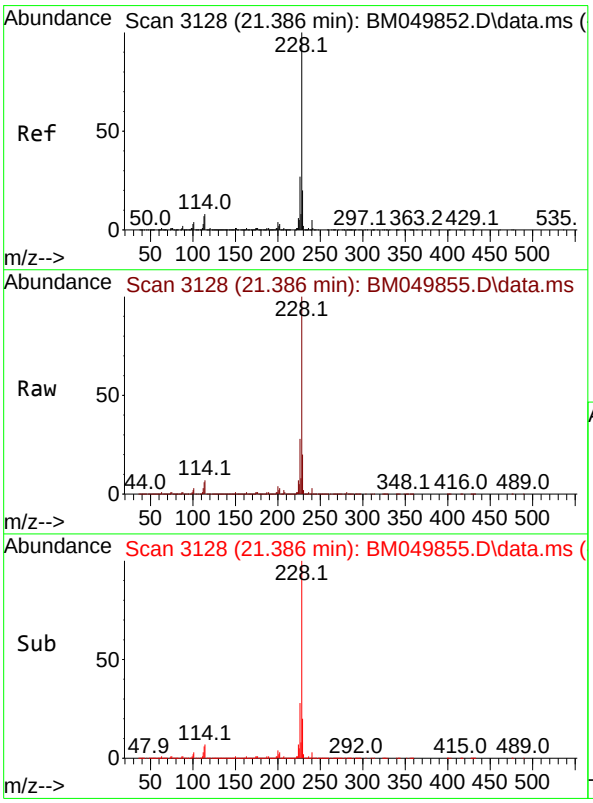
Ion	Ratio	Lower	Upper
149	100		
91	62.0	50.9	76.3
206	26.4	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

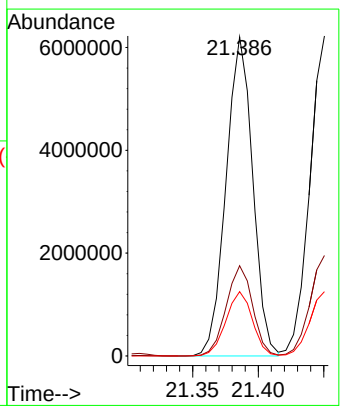
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

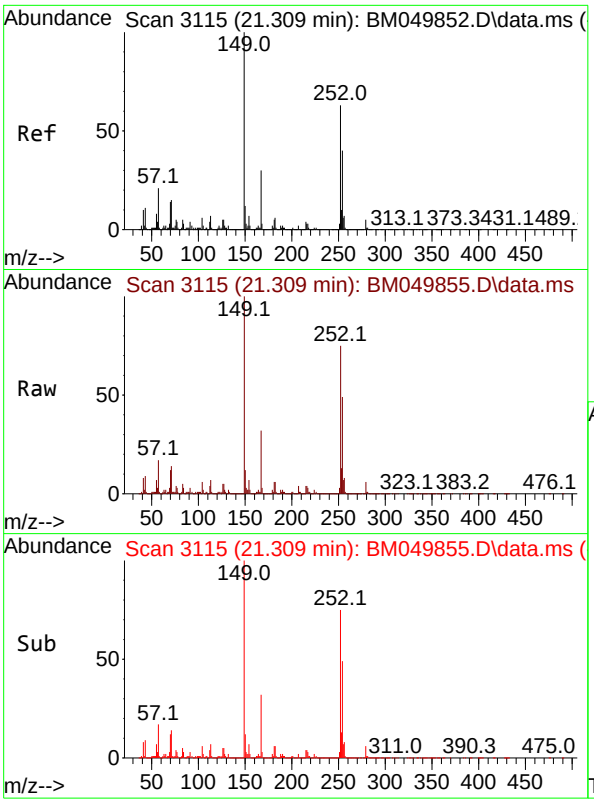


#81
Benzo(a)anthracene
Concen: 84.761 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8779936

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.2	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 90.091 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

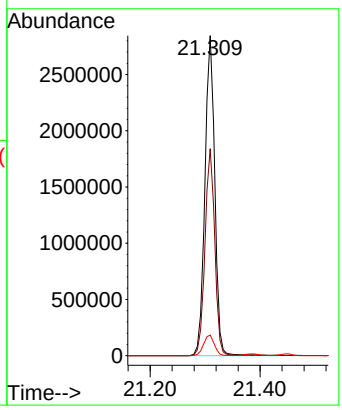
Tgt Ion:252 Resp: 352413

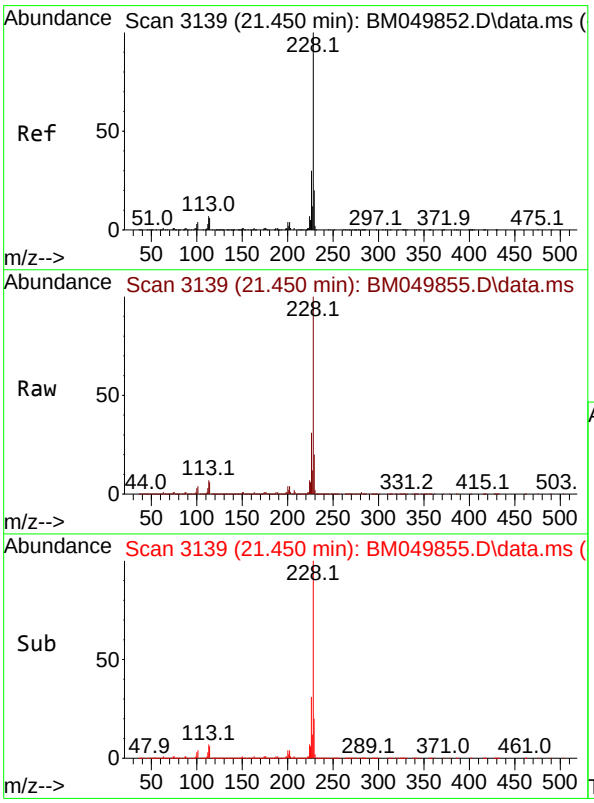
Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	6.4	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

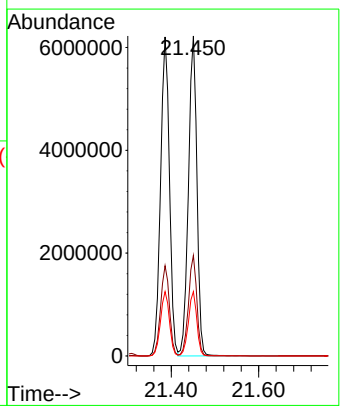


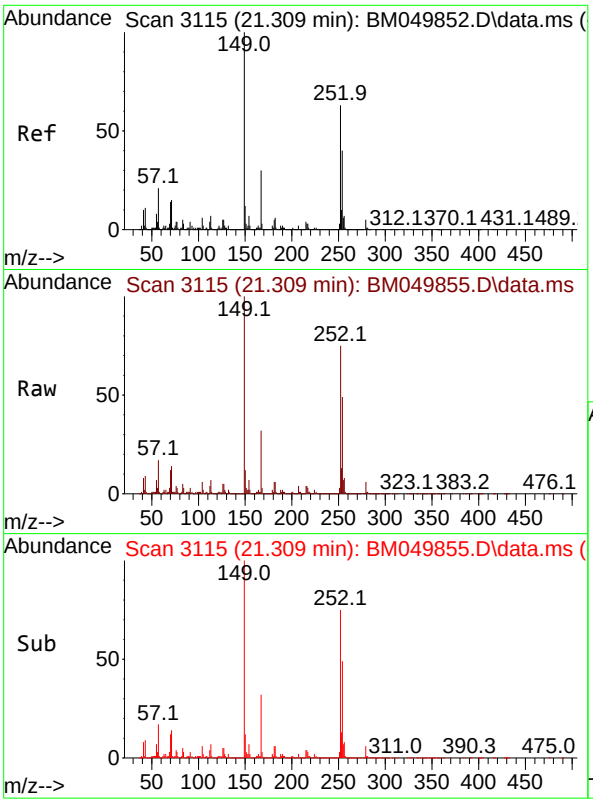


#83
Chrysene
Concen: 85.181 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8388518

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	20.1	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 78.171 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

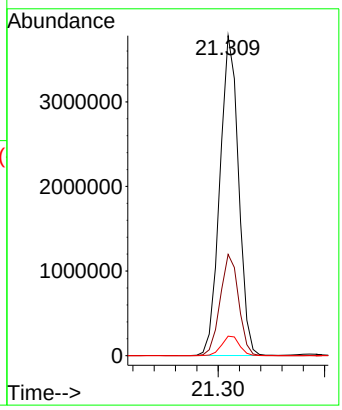
Tgt Ion:149 Resp: 459693

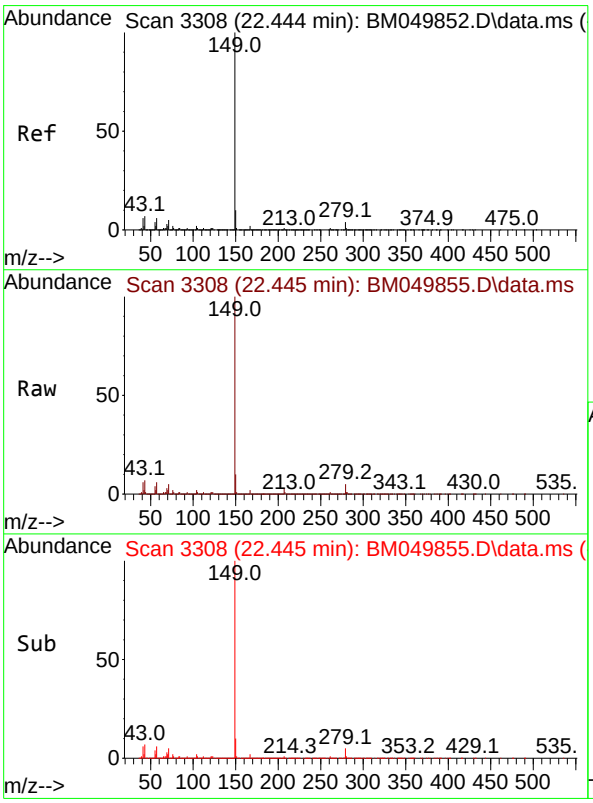
Ion	Ratio	Lower	Upper
149	100		
167	31.7	23.8	35.6
279	6.1	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

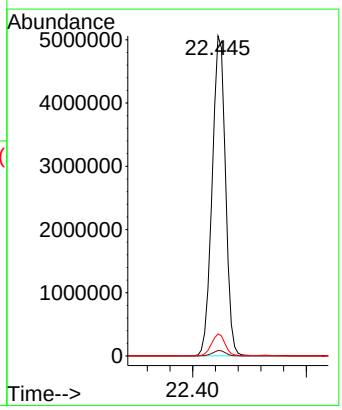


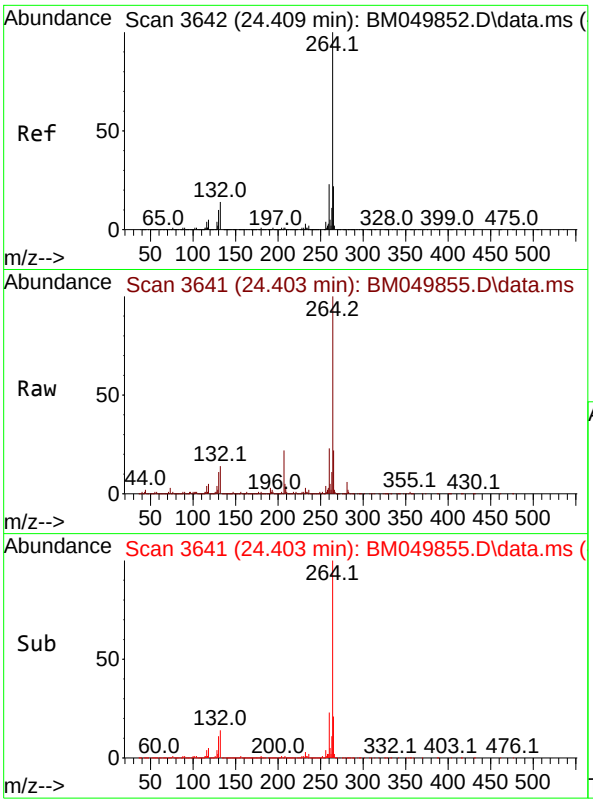


#85
Di-n-octyl phthalate
Concen: 79.753 ng
RT: 22.445 min Scan# 3308
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 8204703

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.9	5.8	8.6

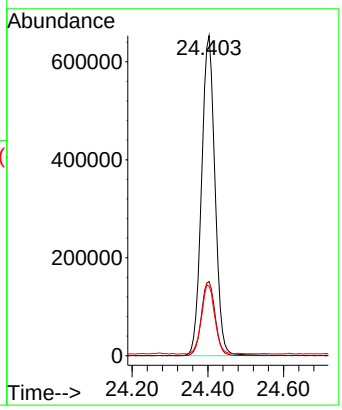




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:264 Resp: 159921

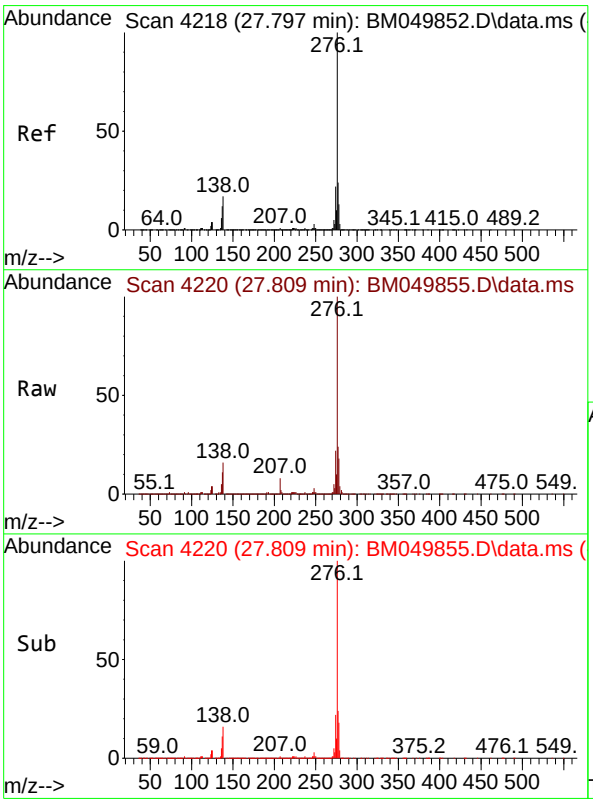
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

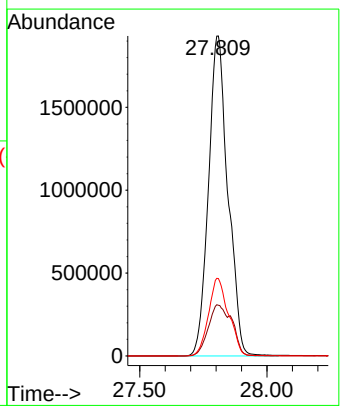
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

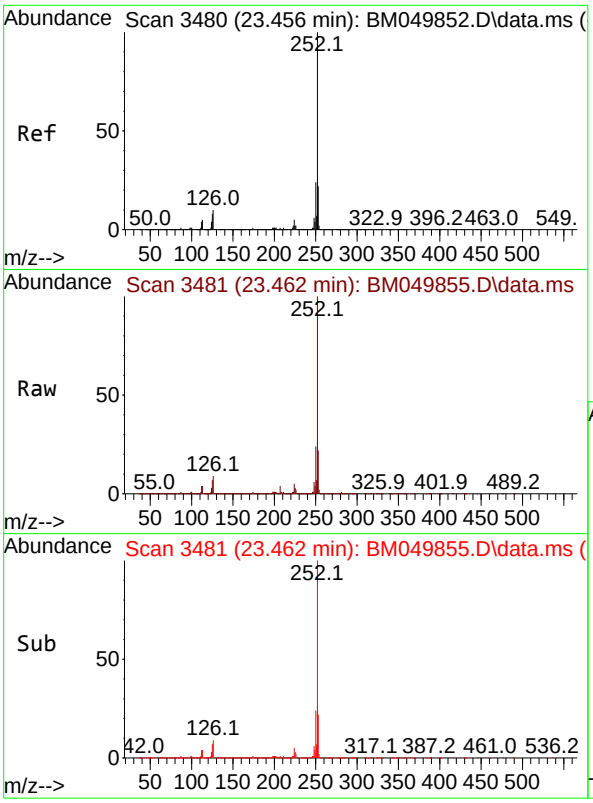


#87
Indeno(1,2,3-cd)pyrene
Concen: 86.167 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp:10271777

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1

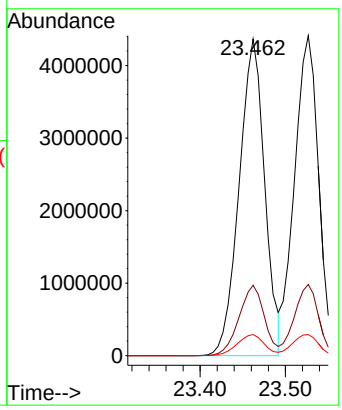




#88
Benzo(b)fluoranthene
Concen: 88.935 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 908349

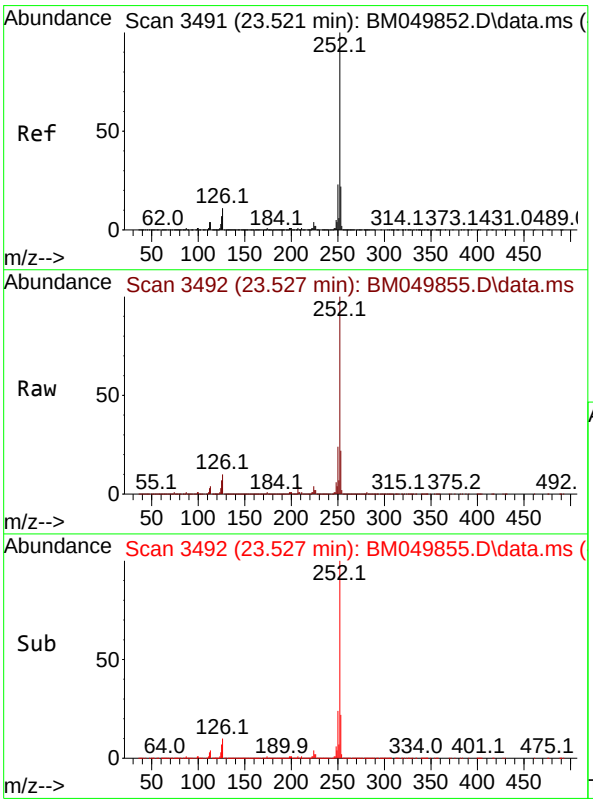
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

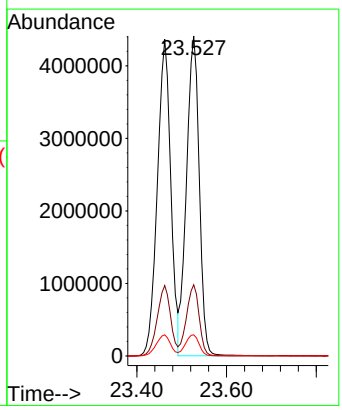
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

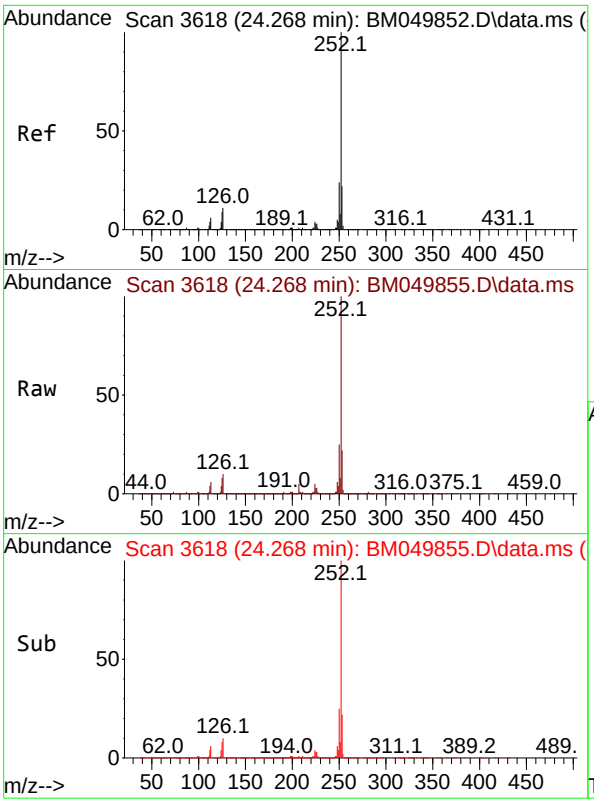


#89
Benzo(k)fluoranthene
Concen: 88.000 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 8710029

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.6	5.8	8.8

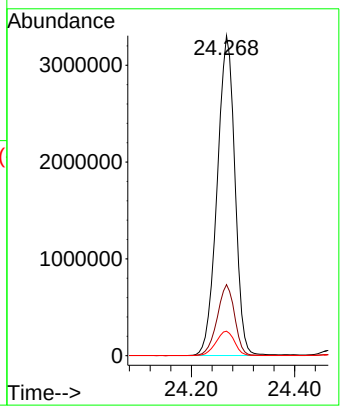




#90
Benzo(a)pyrene
Concen: 87.693 ng
RT: 24.268 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 787045

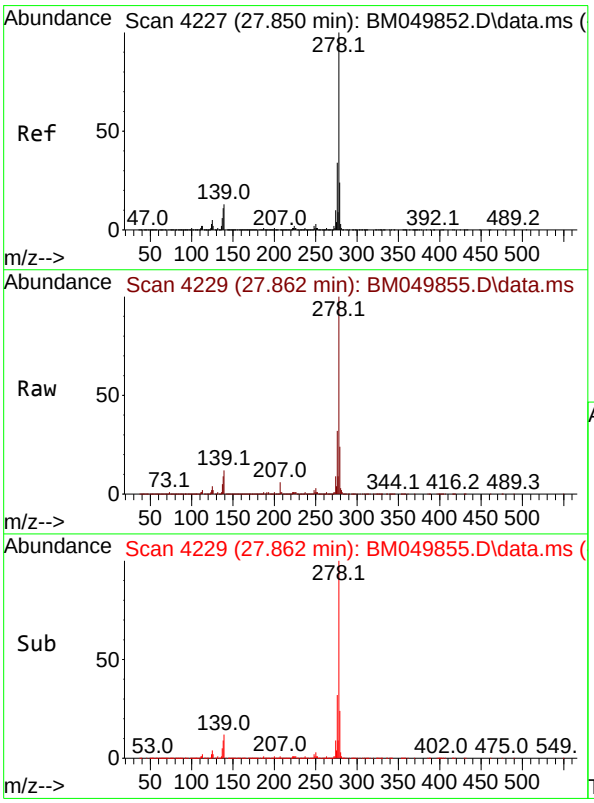
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	7.6	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

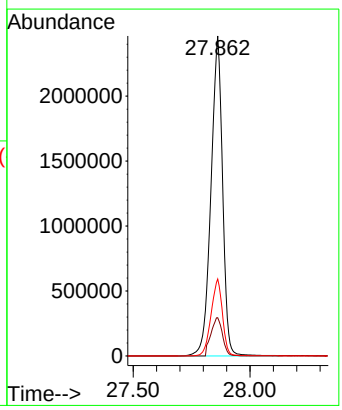
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

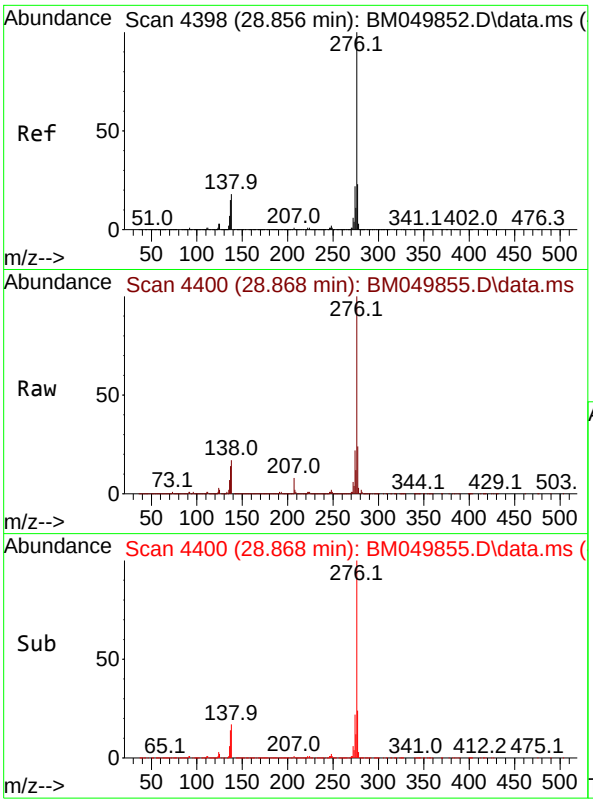


#91
Dibenzo(a,h)anthracene
Concen: 86.721 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:278 Resp: 8515147

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	24.1	19.1	28.7

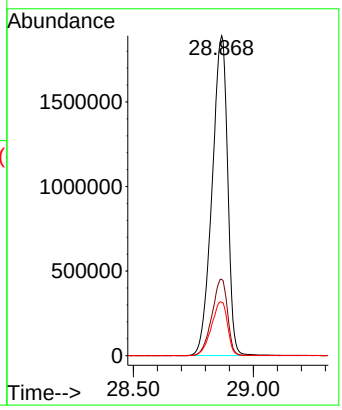




#92
Benzo(g,h,i)perylene
Concen: 84.674 ng
RT: 28.868 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp: 849595

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	16.6	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	315403	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1065845	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	683720	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1374499	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1374864	20.000	ng	0.00
86) Perylene-d12	24.397	264	1454417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1477323	79.537	ng	0.00
7) Phenol-d6	6.951	99	1843667	79.779	ng	0.00
23) Nitrobenzene-d5	8.934	82	1580621	82.580	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	830905	83.550	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4148227	82.271	ng	0.00
79) Terphenyl-d14	19.792	244	6672291	90.949	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	298756	39.056	ng	100
3) Pyridine	3.663	79	788453	39.231	ng	97
4) n-Nitrosodimethylamine	3.569	42	302128	39.502	ng	100
6) Aniline	7.104	93	824180	41.621	ng	99
8) 2-Chlorophenol	7.345	128	758833	39.865	ng	99
9) Benzaldehyde	6.916	77	479003	40.391	ng	97
10) Phenol	6.975	94	895478	39.708	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	705217	39.877	ng	98
12) 1,3-Dichlorobenzene	7.669	146	897350	39.874	ng	98
13) 1,4-Dichlorobenzene	7.810	146	898553	39.681	ng	98
14) 1,2-Dichlorobenzene	8.128	146	855104	40.092	ng	99
15) Benzyl Alcohol	8.016	79	585871	40.260	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	787669	39.960	ng	99
17) 2-Methylphenol	8.222	107	557174	40.092	ng	99
18) Hexachloroethane	8.857	117	312580	39.677	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	525287	41.040	ng	99
20) 3+4-Methylphenols	8.551	107	760368	40.132	ng	98
22) Acetophenone	8.598	105	1065111	41.119	ng	99
24) Nitrobenzene	8.975	77	750719	40.732	ng	99
25) Isophorone	9.504	82	1319919	41.165	ng	99
26) 2-Nitrophenol	9.686	139	405206	41.481	ng	98
27) 2,4-Dimethylphenol	9.751	122	454139	41.022	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	877287	40.868	ng	99
29) 2,4-Dichlorophenol	10.222	162	759071	41.249	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	860242	40.409	ng	99
31) Naphthalene	10.622	128	2222571	40.582	ng	99
32) Benzoic acid	9.886	122	548954	41.427	ng	97
33) 4-Chloroaniline	10.728	127	815667	42.177	ng	98
34) Hexachlorobutadiene	10.916	225	535791	40.688	ng	98
35) Caprolactam	11.510	113	219136	41.519	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	670620	41.604	ng	99
37) 2-Methylnaphthalene	12.239	142	1589046	41.181	ng	99
38) 1-Methylnaphthalene	12.457	142	1536235	40.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	974104	40.724	ng	99
41) Hexachlorocyclopentadiene	12.592	237	348434	41.571	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	629554	41.361	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

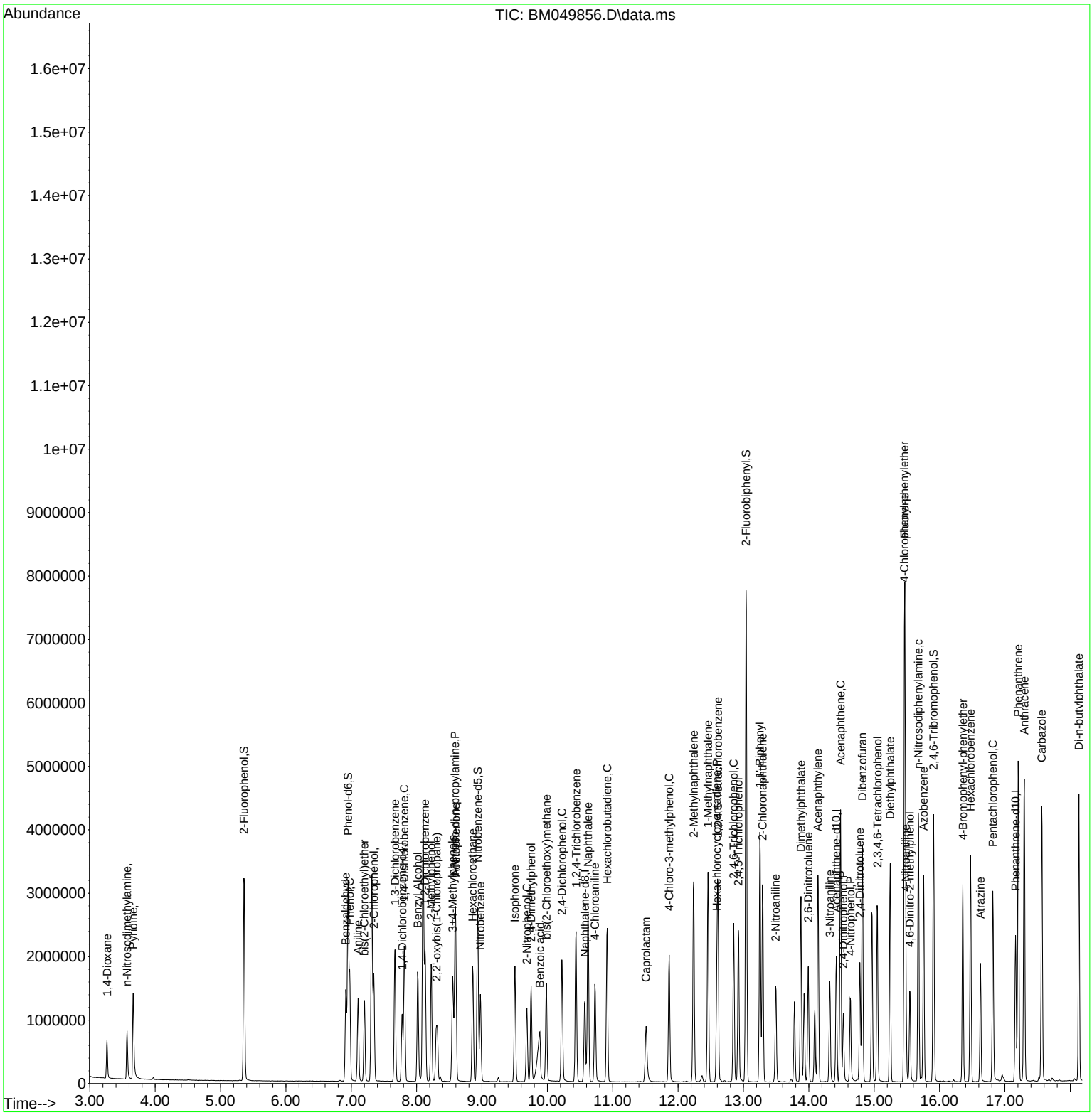
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	684953	41.410	ng	99
46) 1,1'-Biphenyl	13.251	154	2088758	41.097	ng	100
47) 2-Chloronaphthalene	13.292	162	1626662	40.719	ng	98
48) 2-Nitroaniline	13.492	65	386594	41.831	ng	96
49) Acenaphthylene	14.139	152	2404483	41.321	ng	100
50) Dimethylphthalate	13.880	163	2006252	41.593	ng	99
51) 2,6-Dinitrotoluene	13.992	165	430765	42.625	ng	99
52) Acenaphthene	14.486	154	1537342	41.534	ng	99
53) 3-Nitroaniline	14.321	138	430166	44.041	ng	96
54) 2,4-Dinitrophenol	14.527	184	261179	39.689	ng	97
55) Dibenzofuran	14.821	168	2572884	41.581	ng	99
56) 4-Nitrophenol	14.639	139	380237	43.685	ng	97
57) 2,4-Dinitrotoluene	14.780	165	588187	43.627	ng	99
58) Fluorene	15.468	166	2052408	41.729	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	604398	41.690	ng	99
60) Diethylphthalate	15.245	149	1935360	41.839	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1107114	41.984	ng	99
62) 4-Nitroaniline	15.486	138	445025	44.058	ng	99
63) Azobenzene	15.757	77	1658136	41.869	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	355438	41.037	ng	97
66) n-Nitrosodiphenylamine	15.674	169	1689818	41.081	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	654585	41.024	ng	98
68) Hexachlorobenzene	16.474	284	746406	40.782	ng	98
69) Atrazine	16.627	200	351283	32.937	ng	100
70) Pentachlorophenol	16.815	266	547416	40.626	ng	99
71) Phenanthrene	17.204	178	3110670	41.280	ng	100
72) Anthracene	17.298	178	3081134	41.490	ng	100
73) Carbazole	17.562	167	2897408	41.424	ng	100
74) Di-n-butylphthalate	18.133	149	3282090	40.739	ng	100
75) Fluoranthene	19.221	202	3829085	41.327	ng	99
77) Benzidine	19.403	184	690660	37.866	ng	99
78) Pyrene	19.586	202	3930574	41.482	ng	100
80) Butylbenzylphthalate	20.486	149	1452887	40.807	ng	97
81) Benzo(a)anthracene	21.386	228	3774940	41.314	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1404639	40.707	ng	99
83) Chrysene	21.444	228	3564842	41.037	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2130265	41.067	ng	99
85) Di-n-octyl phthalate	22.444	149	3614929	39.835	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4377775	40.380	ng	100
88) Benzo(b)fluoranthene	23.456	252	3807278	40.988	ng	100
89) Benzo(k)fluoranthene	23.515	252	3640395	40.442	ng	99
90) Benzo(a)pyrene	24.262	252	3296735	40.389	ng	98
91) Dibenzo(a,h)anthracene	27.844	278	3588859	40.189	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3657794	40.085	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

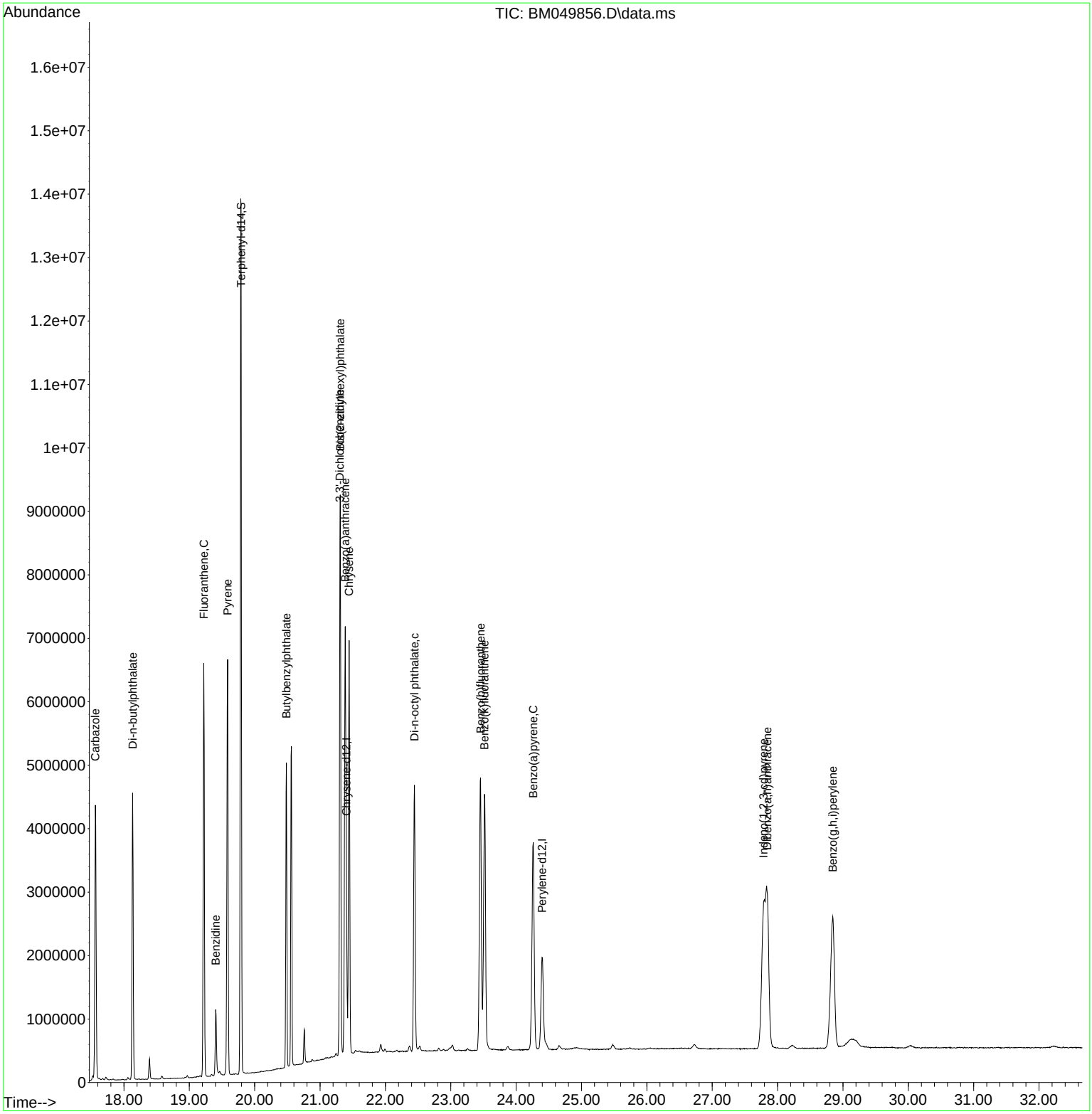
Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

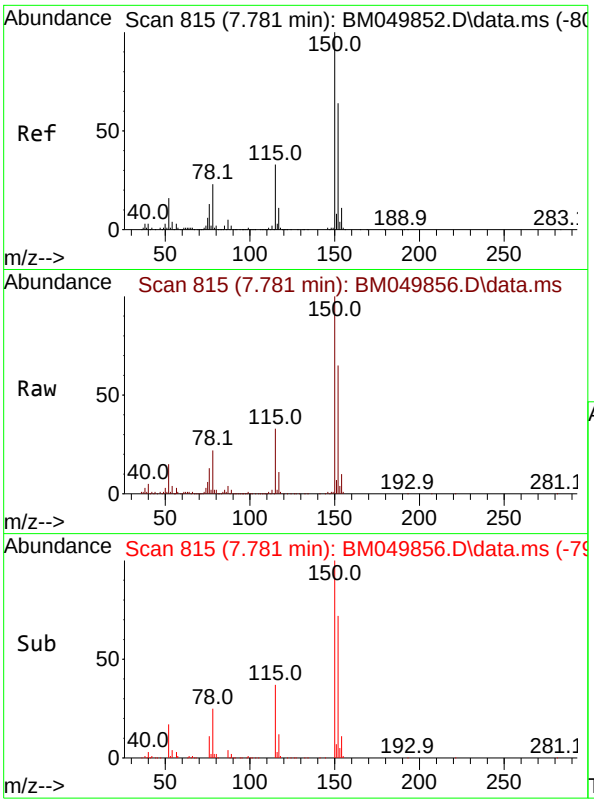


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



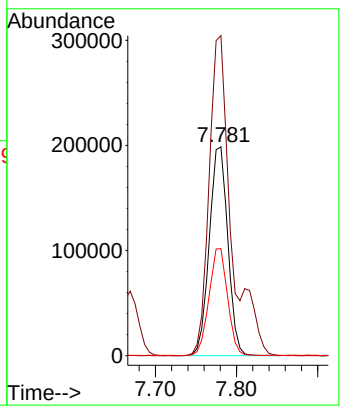


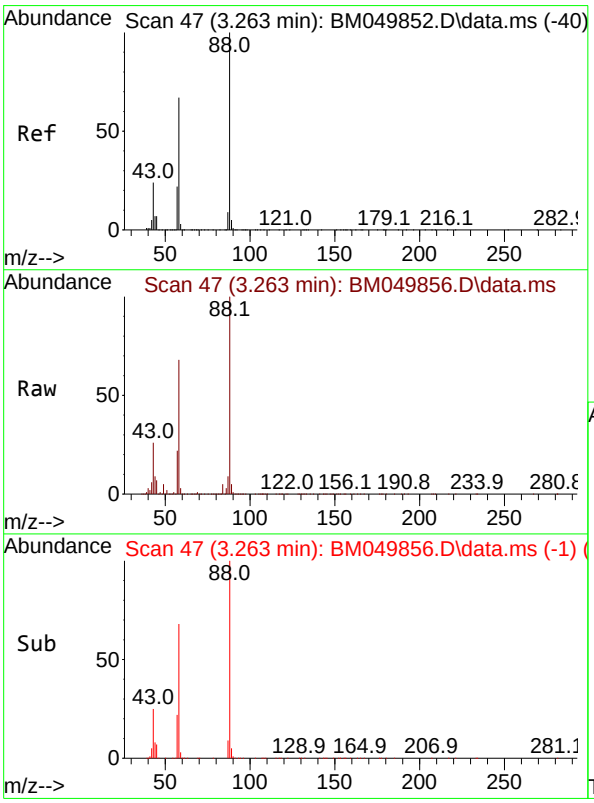
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 315403

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7

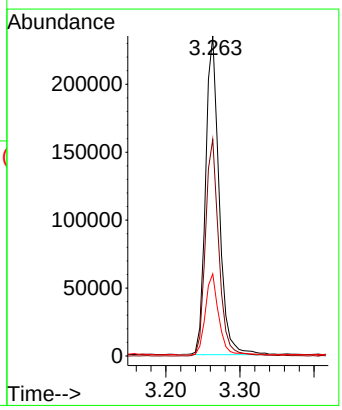


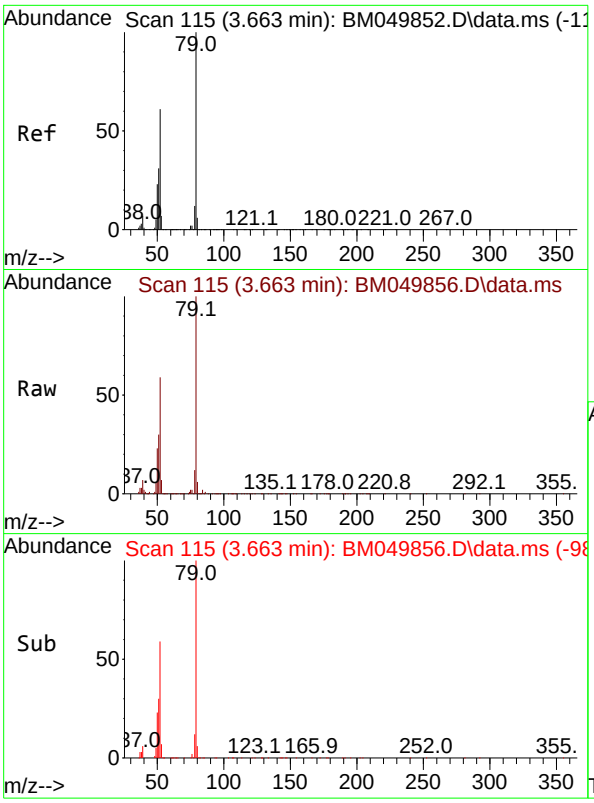


#2
1,4-Dioxane
Concen: 39.056 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 88 Resp: 298756

Ion	Ratio	Lower	Upper
88	100		
58	67.4	54.1	81.1
43	24.8	20.2	30.4



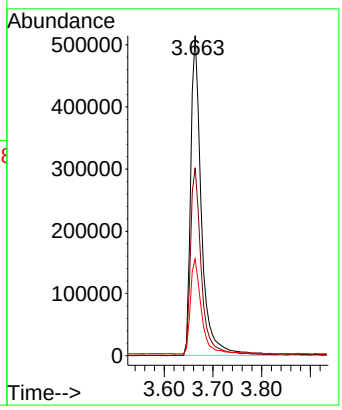


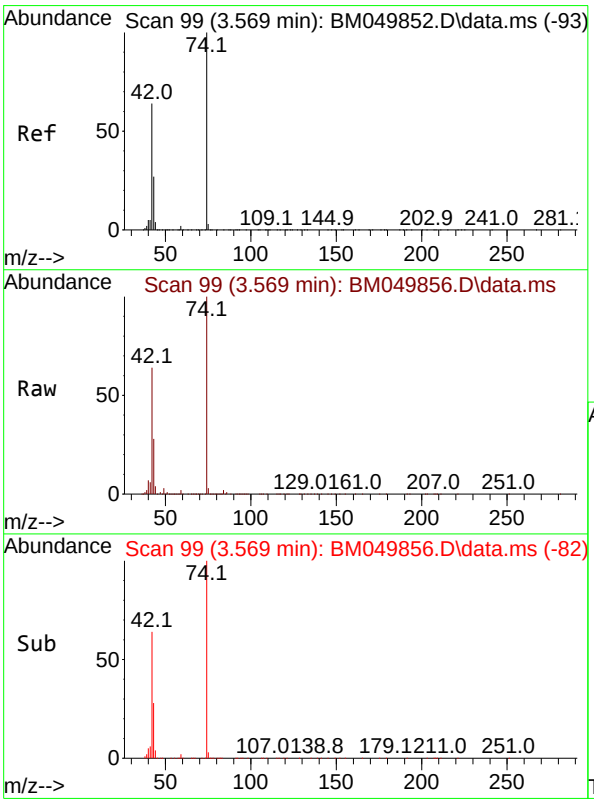
#3
Pyridine
Concen: 39.231 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 788453

Ion	Ratio	Lower	Upper
79	100		
52	58.8	48.9	73.3
51	30.2	25.0	37.6

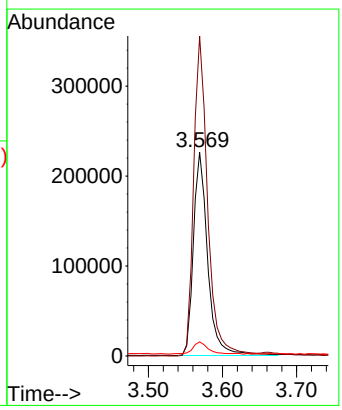


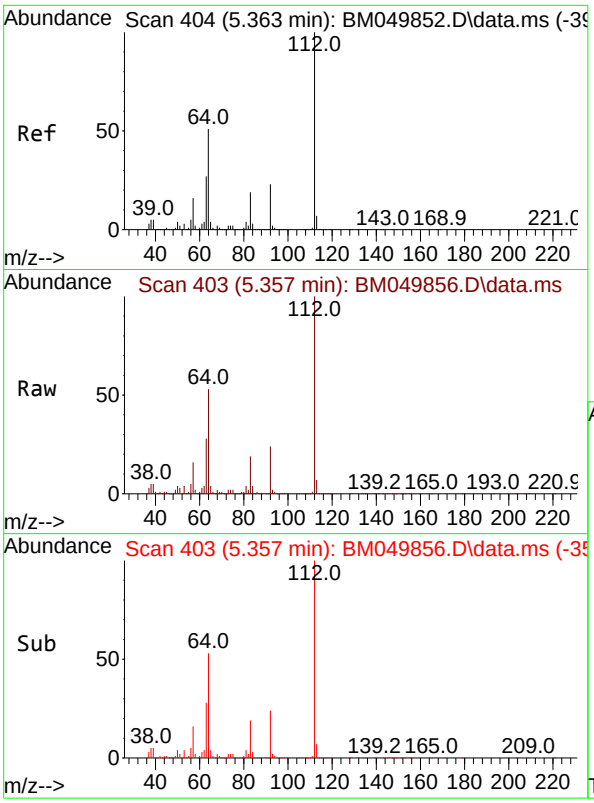


#4
n-Nitrosodimethylamine
Concen: 39.502 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 42 Resp: 302128

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



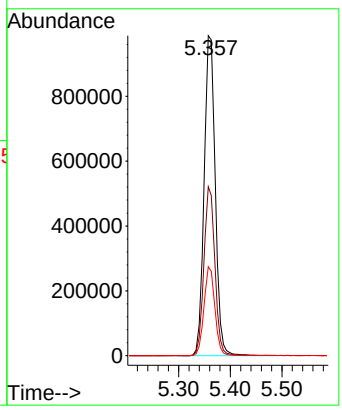


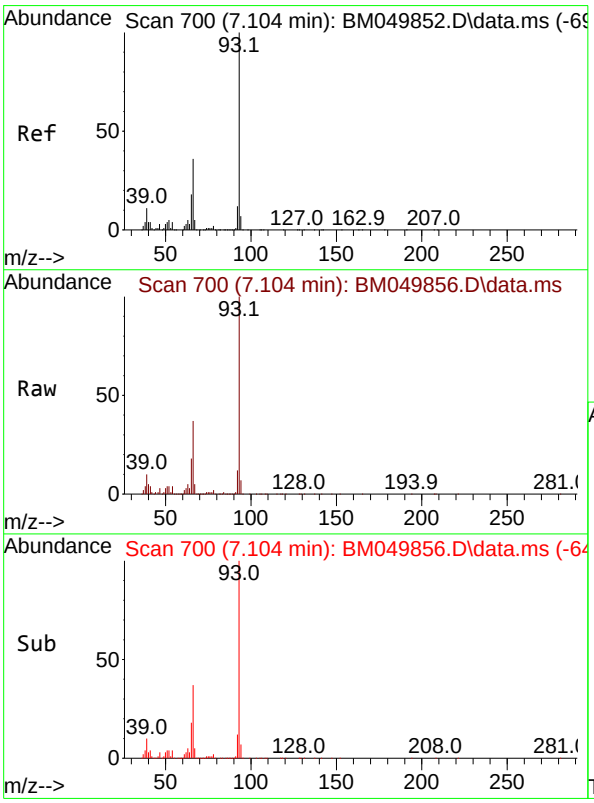
#5
2-Fluorophenol
Concen: 79.537 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:112 Resp: 1477323

Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.0	61.6
63	27.8	21.5	32.3

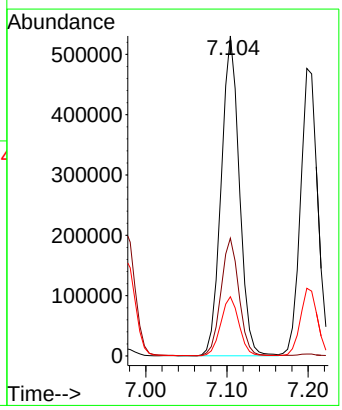


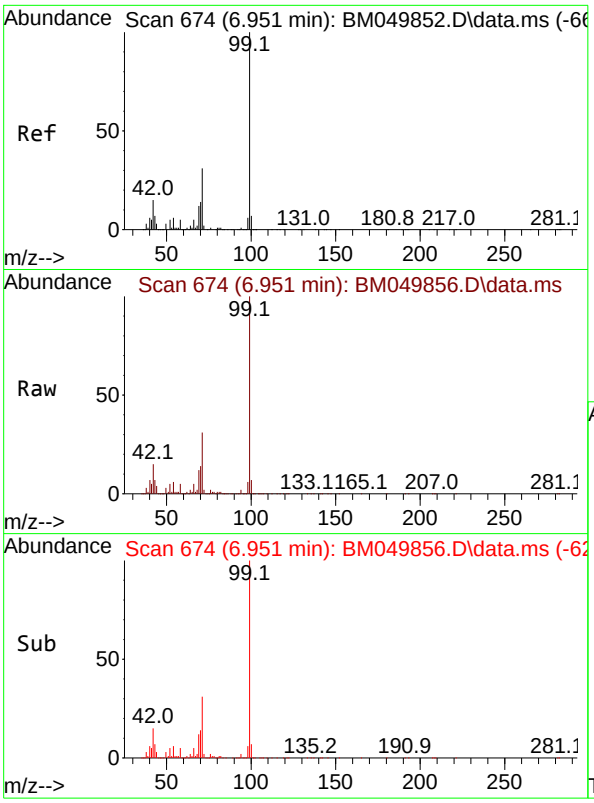


#6
Aniline
Concen: 41.621 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 824180

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.5	14.9	22.3



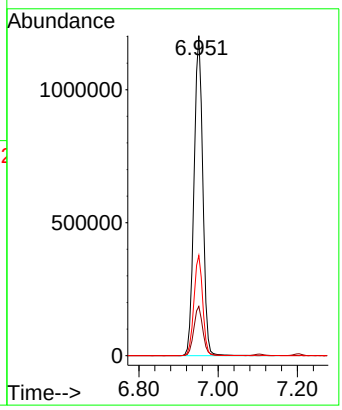


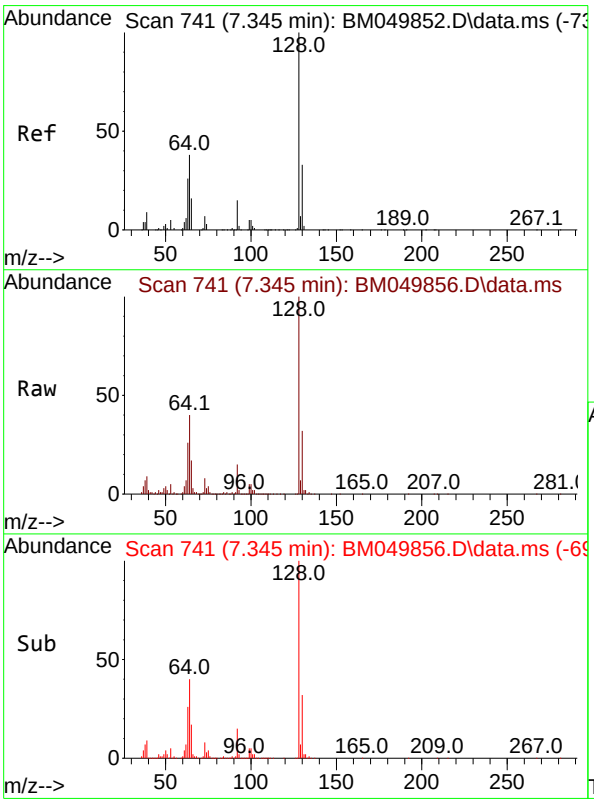
#7
Phenol-d6
Concen: 79.779 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 99 Resp: 1843667

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.3	24.9	37.3

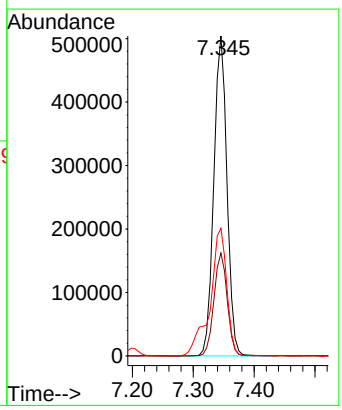


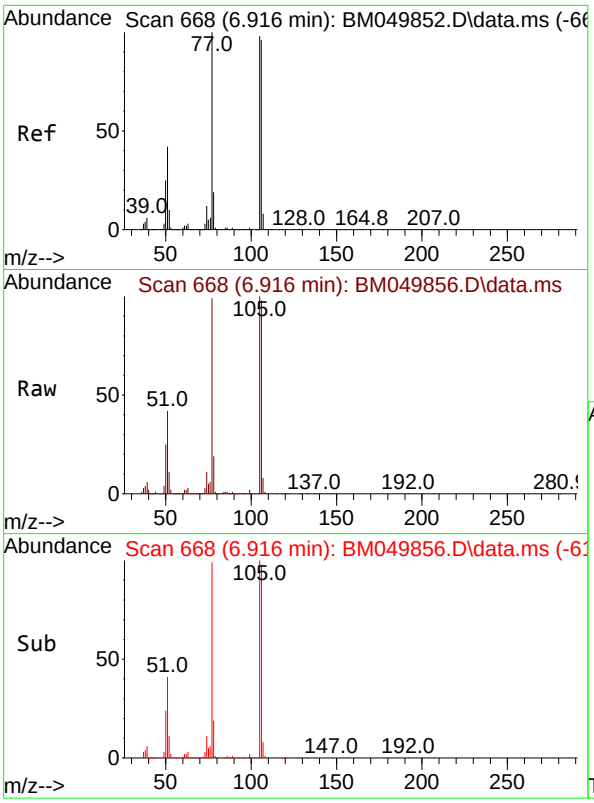


#8
2-Chlorophenol
Concen: 39.865 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:128 Resp: 758833

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.9	21.1	61.1



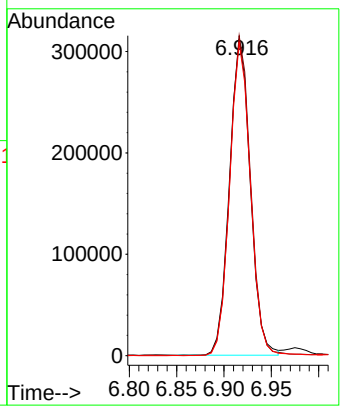


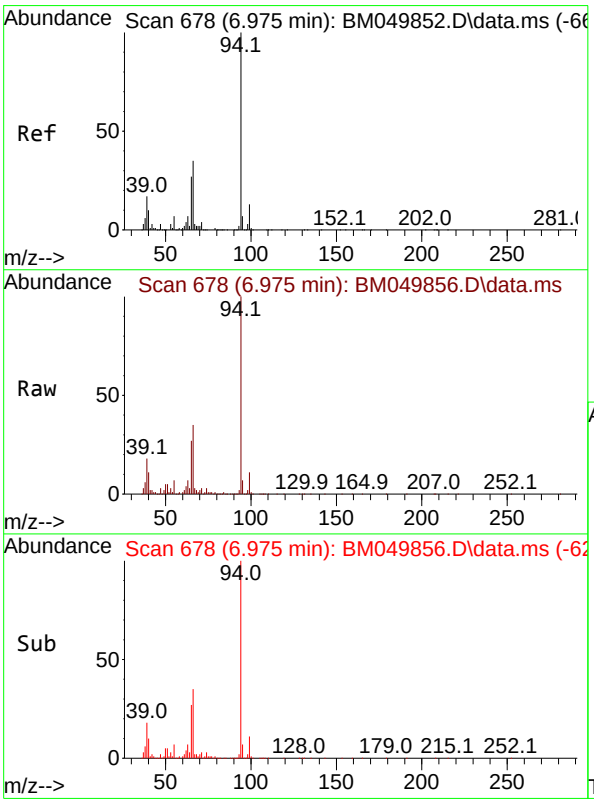
#9
Benzaldehyde
Concen: 40.391 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 479003

Ion	Ratio	Lower	Upper
77	100		
105	101.0	78.3	118.3
106	98.9	76.0	116.0

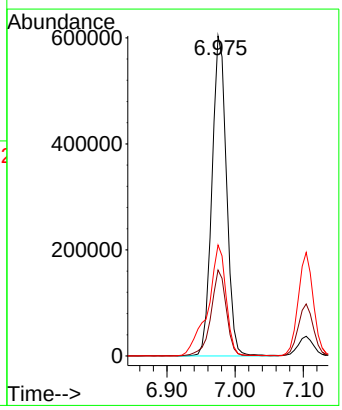


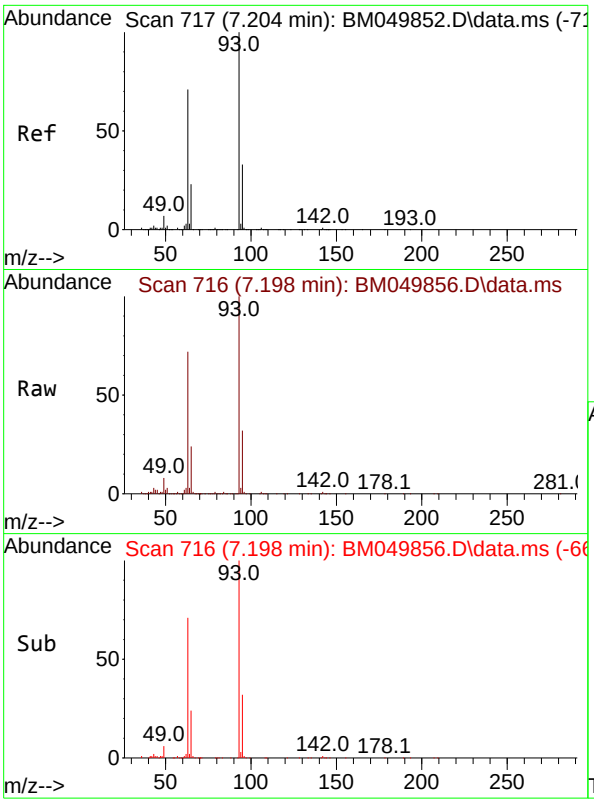


#10
Phenol
Concen: 39.708 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 94 Resp: 895478

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.3	47.3
66	34.6	14.8	54.8



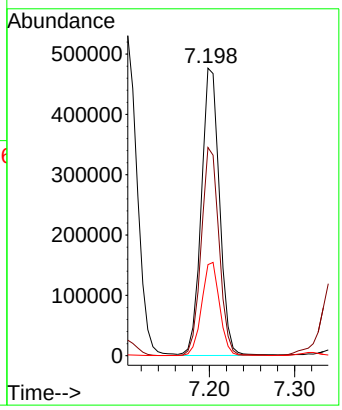


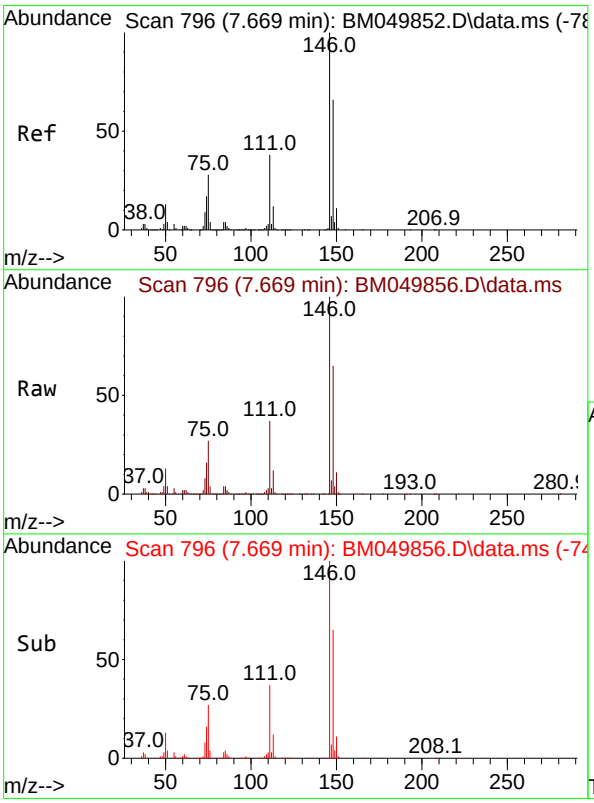
#11
bis(2-Chloroethyl)ether
Concen: 39.877 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 93 Resp: 705217

Ion	Ratio	Lower	Upper
93	100		
63	72.4	50.9	90.9
95	31.6	12.6	52.6

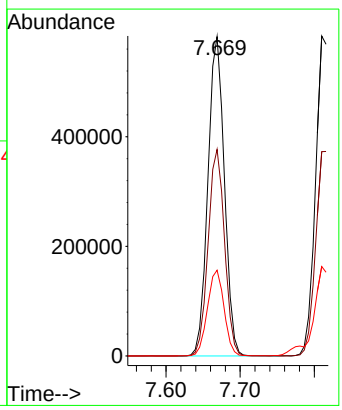


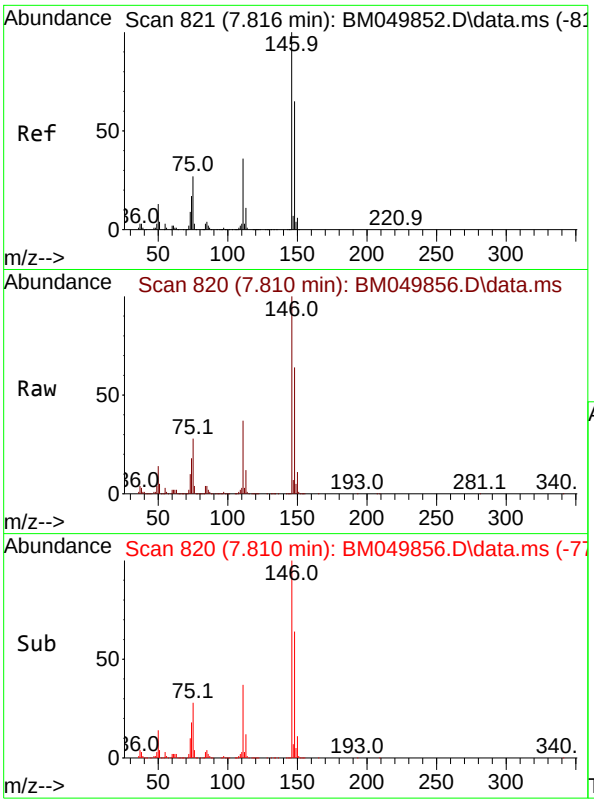


#12
1,3-Dichlorobenzene
Concen: 39.874 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 897350

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.8	22.5	33.7



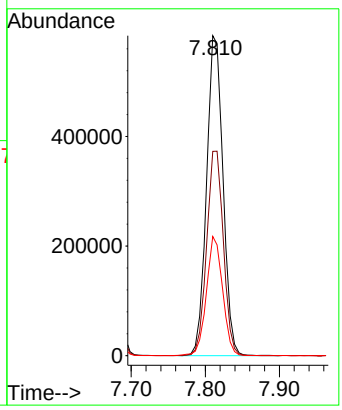


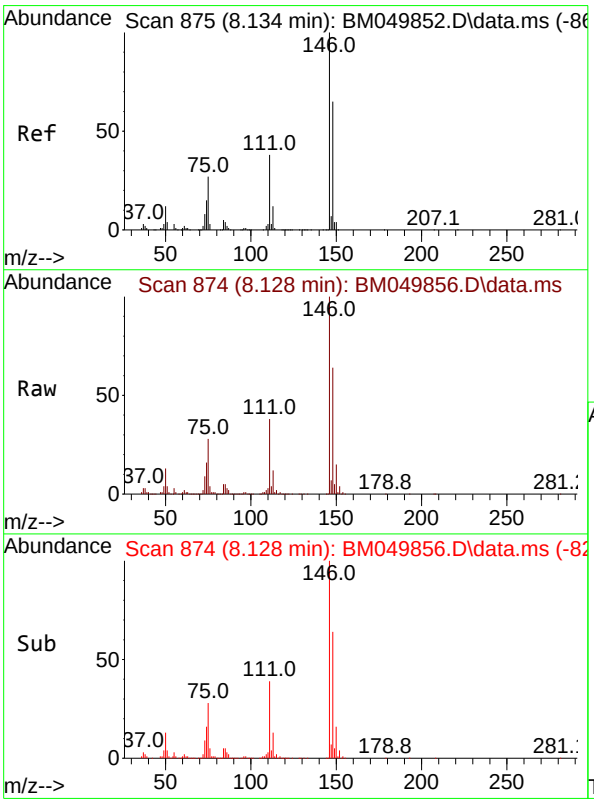
#13
1,4-Dichlorobenzene
Concen: 39.681 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:146 Resp: 898553

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.3	28.5	42.7

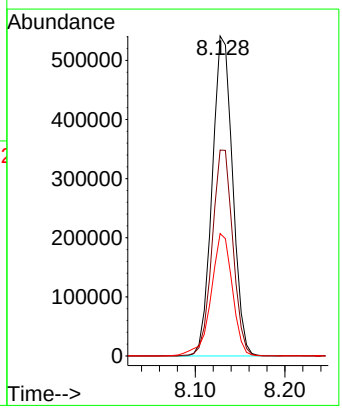


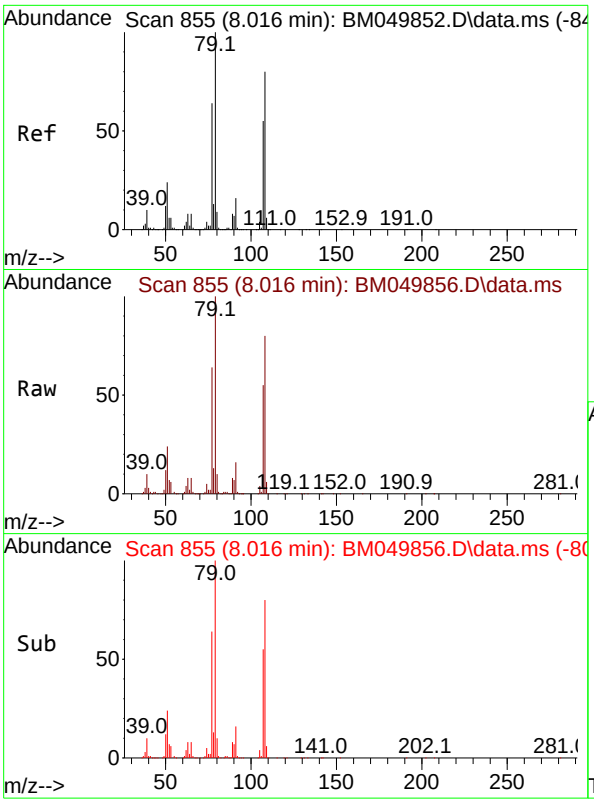


#14
1,2-Dichlorobenzene
Concen: 40.092 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 855104

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	38.2	30.2	45.4



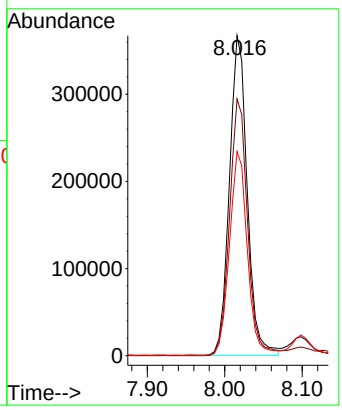


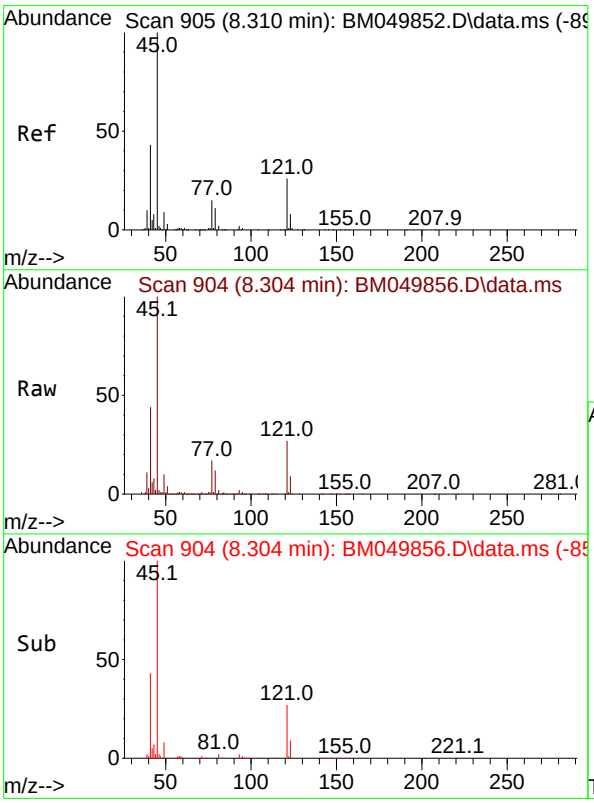
#15
Benzyl Alcohol
Concen: 40.260 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 585871

Ion	Ratio	Lower	Upper
79	100		
108	80.2	63.6	95.4
77	63.8	51.3	76.9

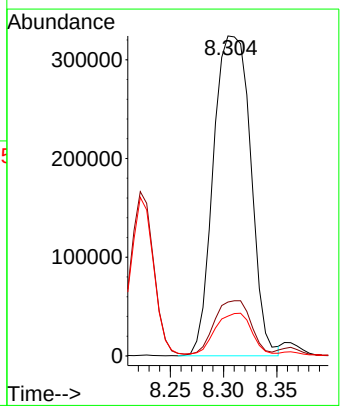


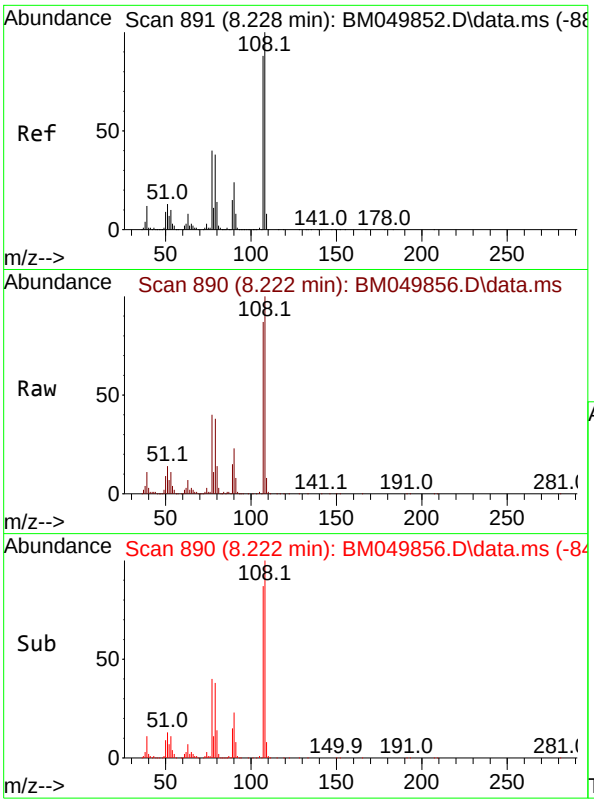


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.960 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 45 Resp: 787669

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.5	0.0	32.9



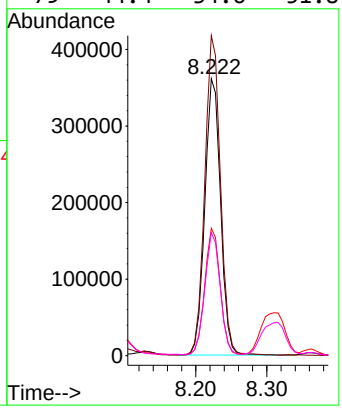


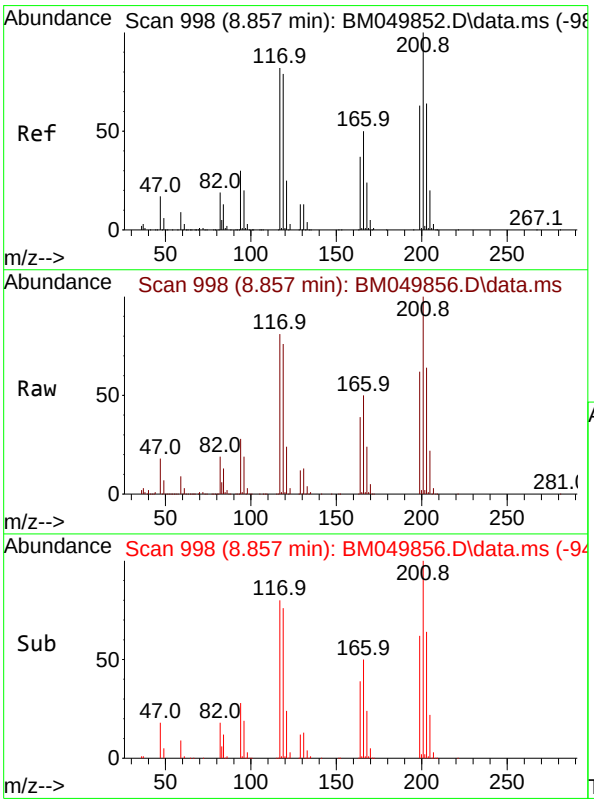
#17
2-Methylphenol
Concen: 40.092 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:107 Resp: 557174

Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	46.0	36.5	54.7
79	44.4	34.6	51.8

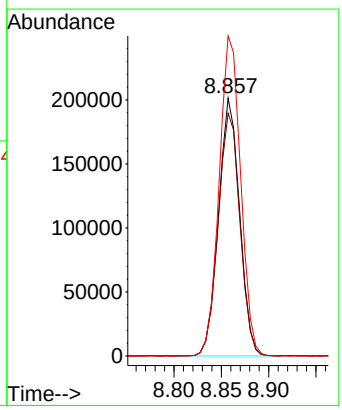


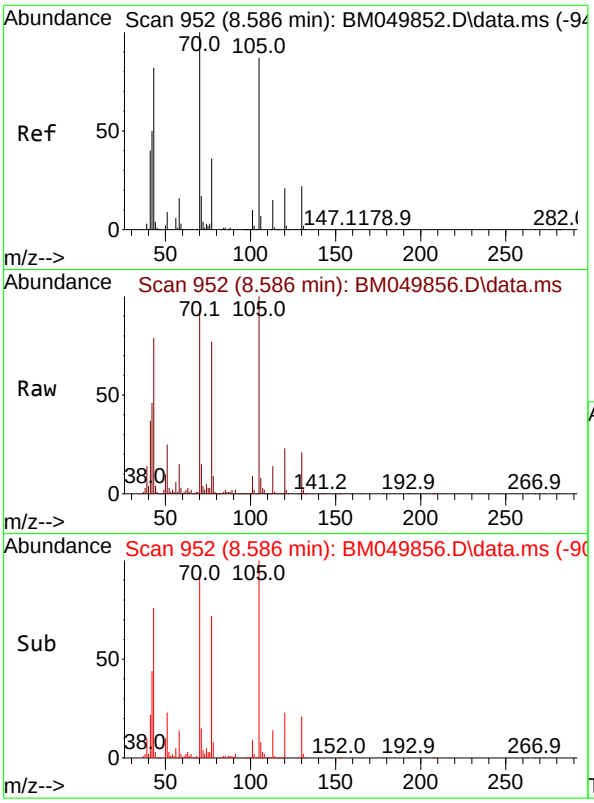


#18
Hexachloroethane
Concen: 39.677 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:117 Resp: 312580

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
201	124.2	97.7	146.5



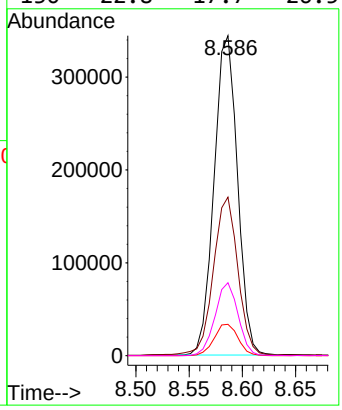


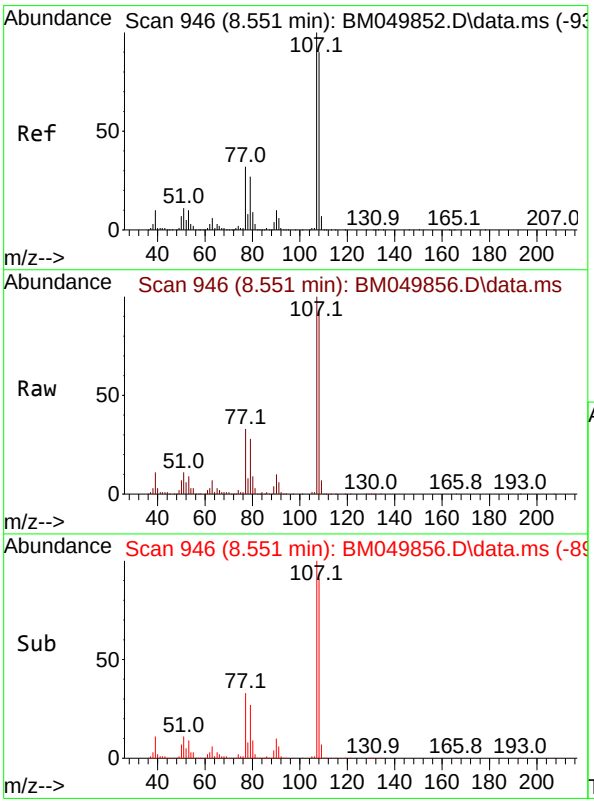
#19
n-Nitroso-di-n-propylamine
Concen: 41.040 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 70 Resp: 525287

Ion	Ratio	Lower	Upper
70	100		
42	49.6	40.2	60.2
101	9.8	7.9	11.9
130	22.8	17.7	26.5

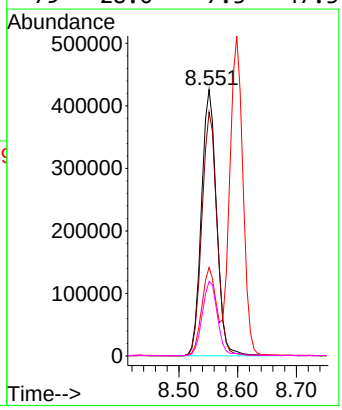


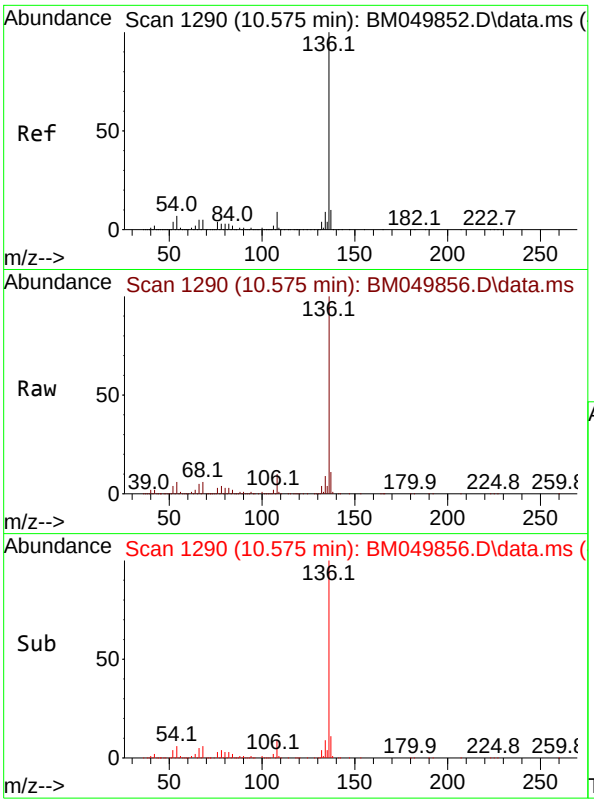


#20
3+4-Methylphenols
Concen: 40.132 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 760368

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.2	11.7	51.7
79	28.0	7.3	47.3



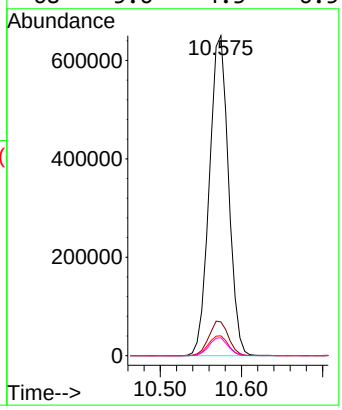


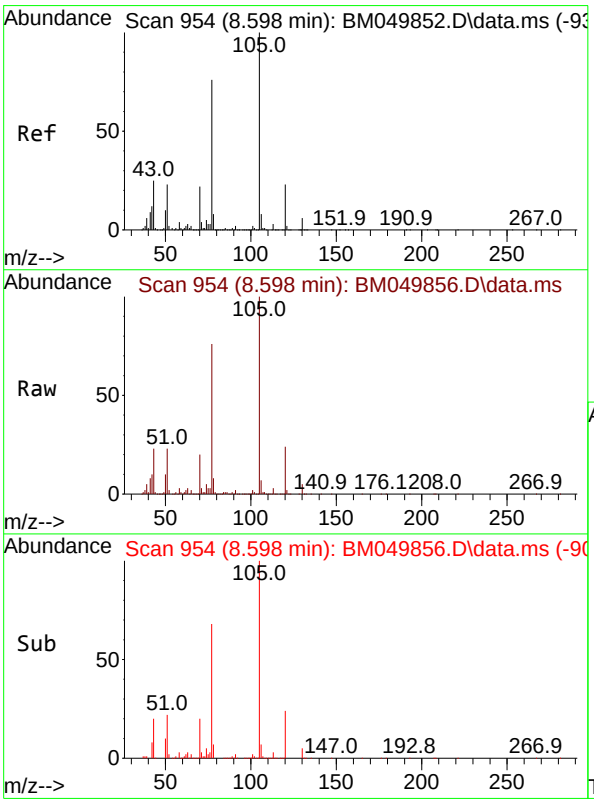
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:136 Resp: 1065845

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.2	5.3	7.9
68	5.6	4.3	6.5

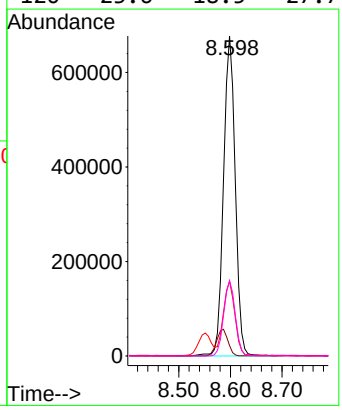


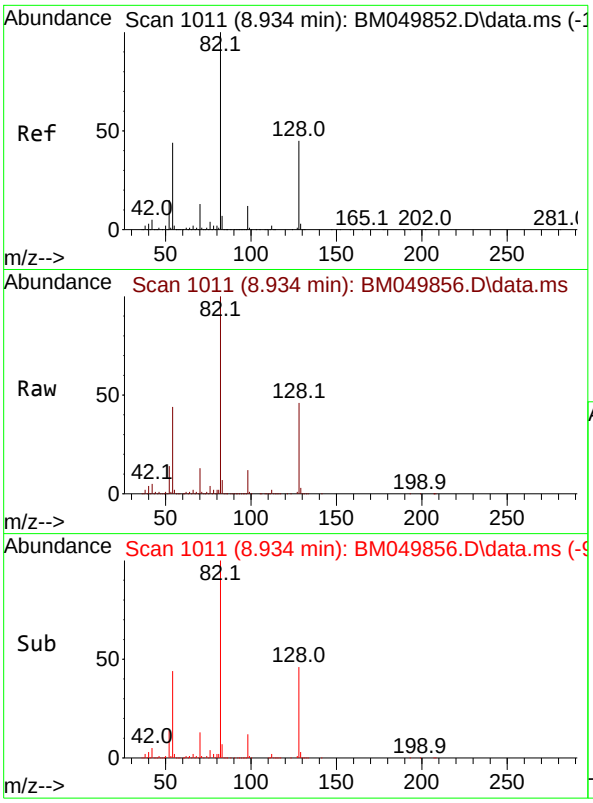


#22
Acetophenone
Concen: 41.119 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:105 Resp: 1065111

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	23.4	18.6	27.8
120	23.6	18.5	27.7



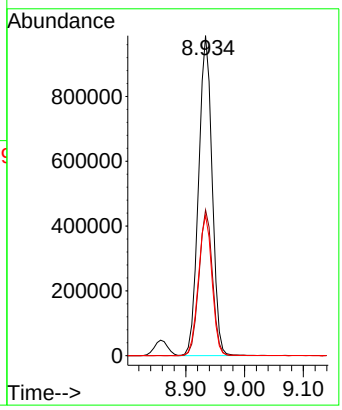


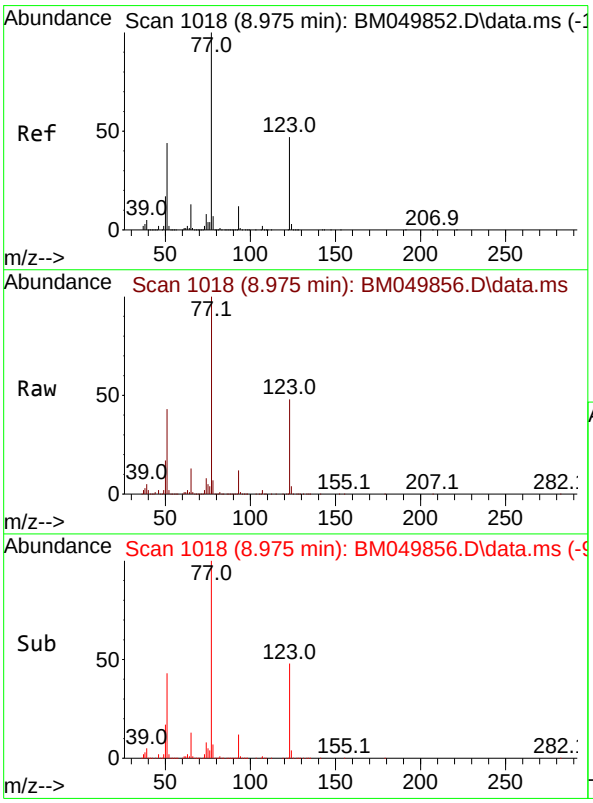
#23
Nitrobenzene-d5
Concen: 82.580 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1580621

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	43.8	35.0	52.6

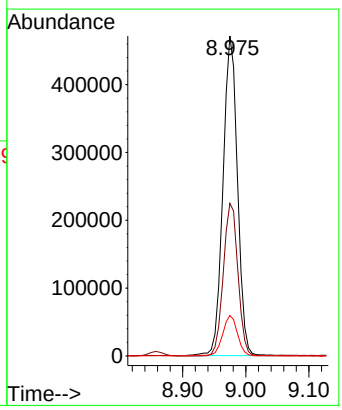


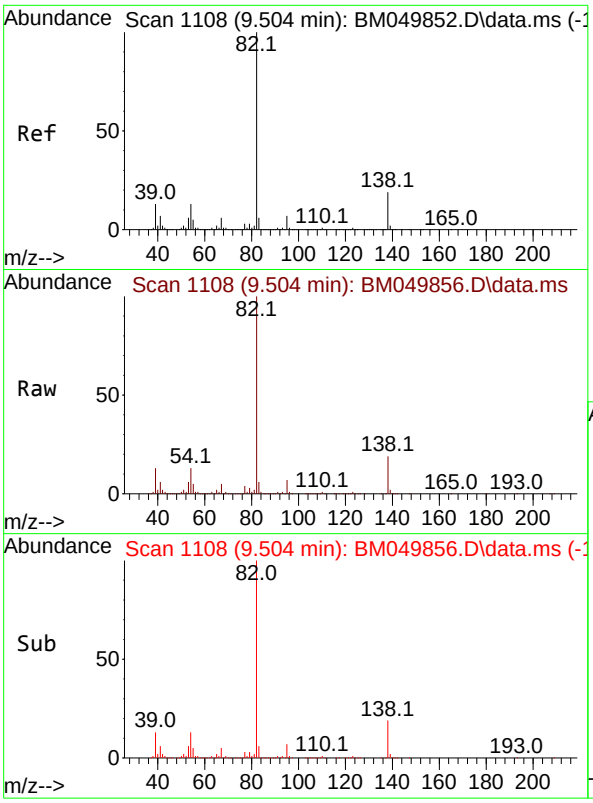


#24
Nitrobenzene
Concen: 40.732 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 77 Resp: 750719

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1



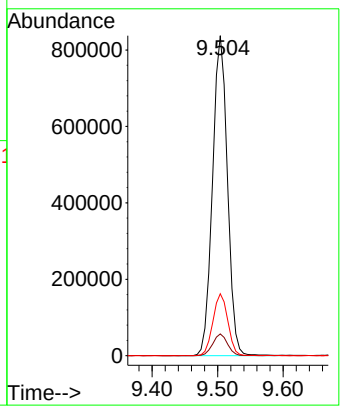


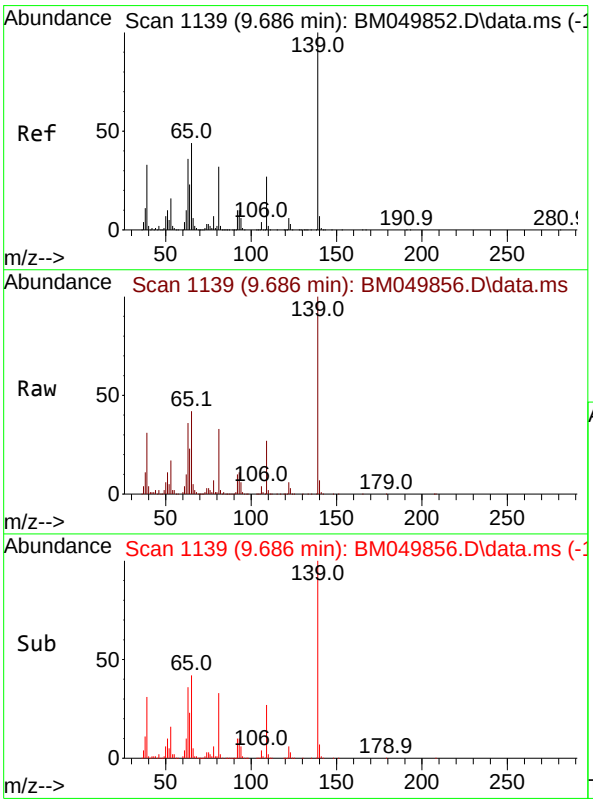
#25
Isophorone
Concen: 41.165 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1319919

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6

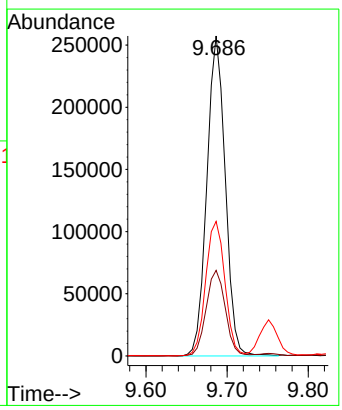


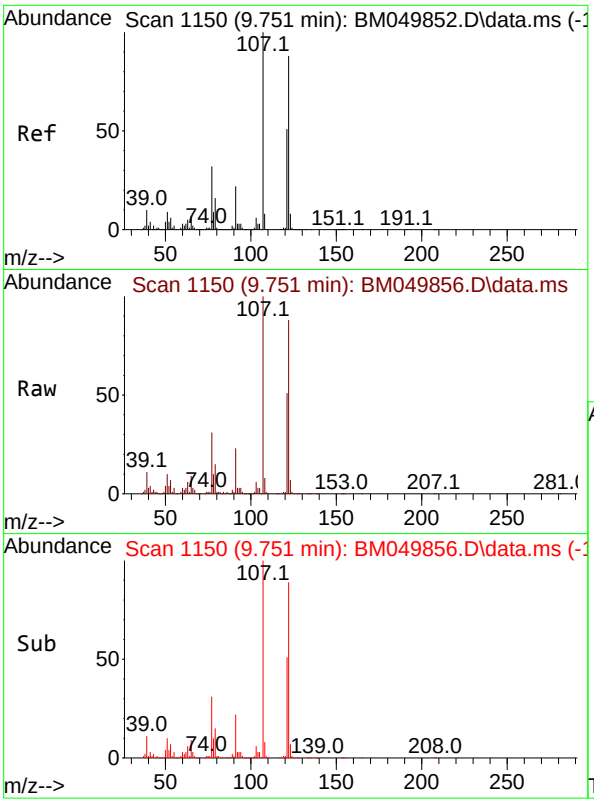


#26
2-Nitrophenol
Concen: 41.481 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 405206

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.7	32.5
65	42.0	35.2	52.8



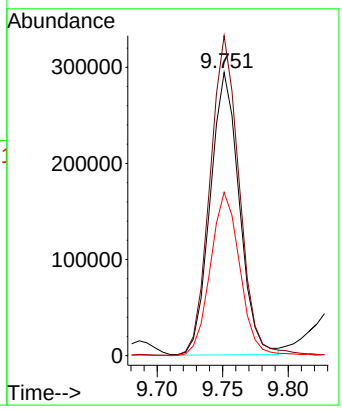


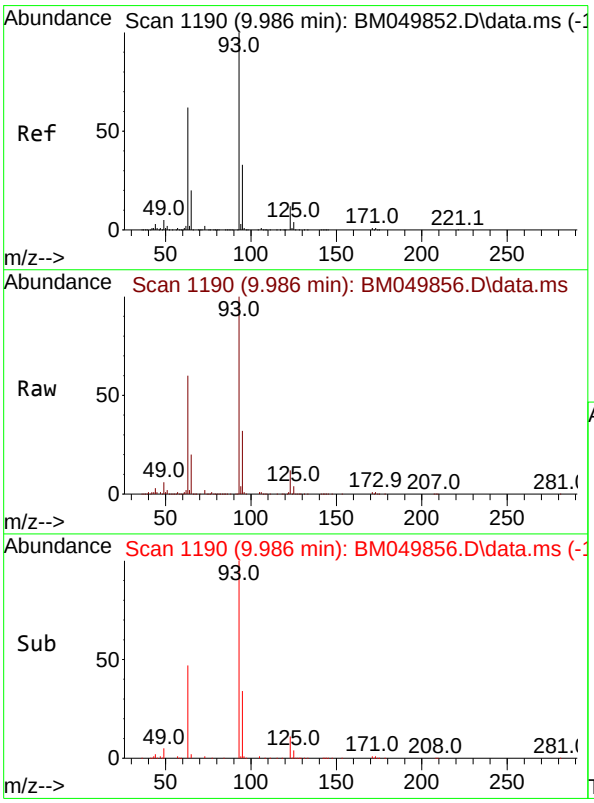
#27
2,4-Dimethylphenol
Concen: 41.022 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:122 Resp: 454139

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.3	135.5
121	57.7	46.1	69.1

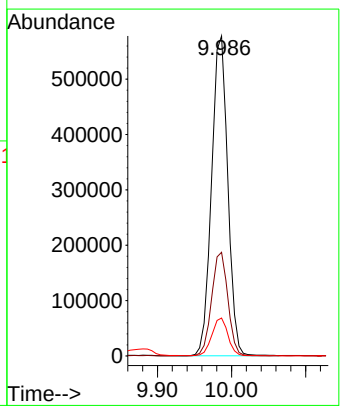


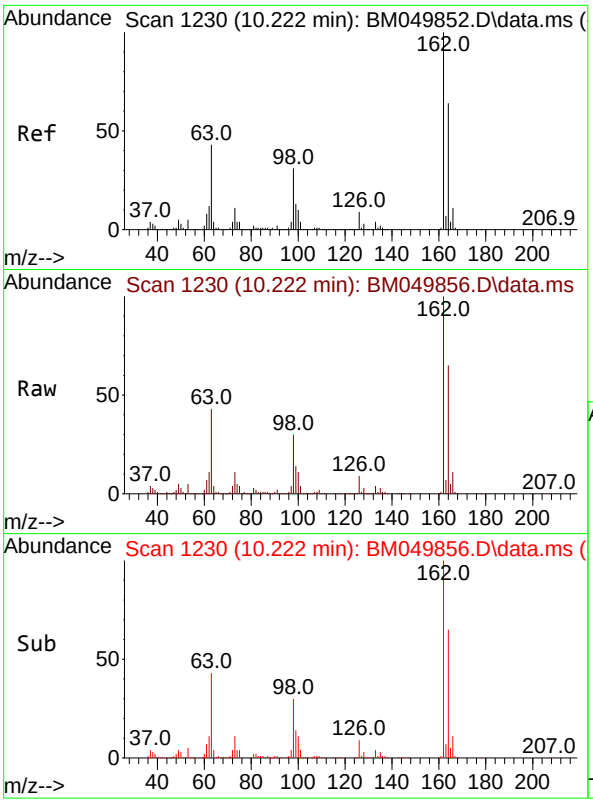


#28
bis(2-Chloroethoxy)methane
Concen: 40.868 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 877287

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.9	9.5	14.3



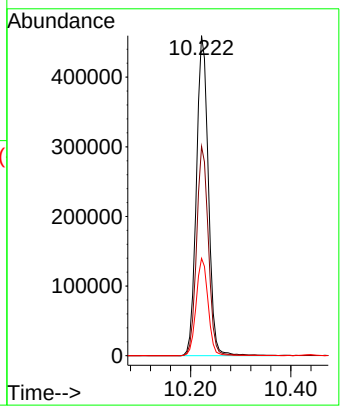


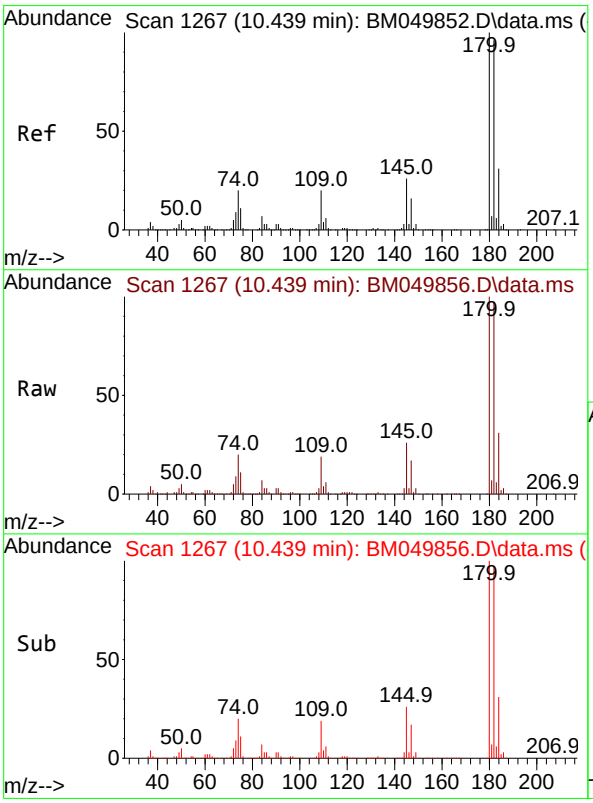
#29
2,4-Dichlorophenol
Concen: 41.249 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 759071

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	30.4	10.9	50.9

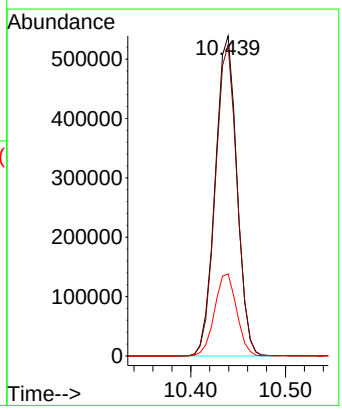


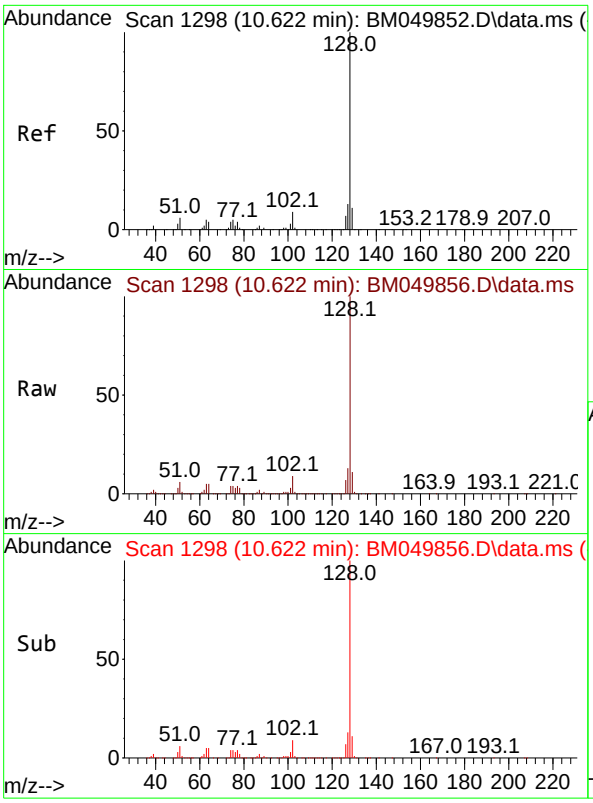


#30
1,2,4-Trichlorobenzene
Concen: 40.409 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:180 Resp: 860242

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
145	25.7	20.8	31.2



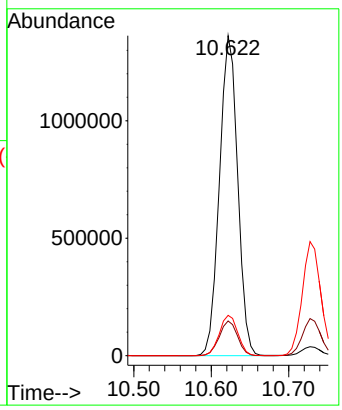


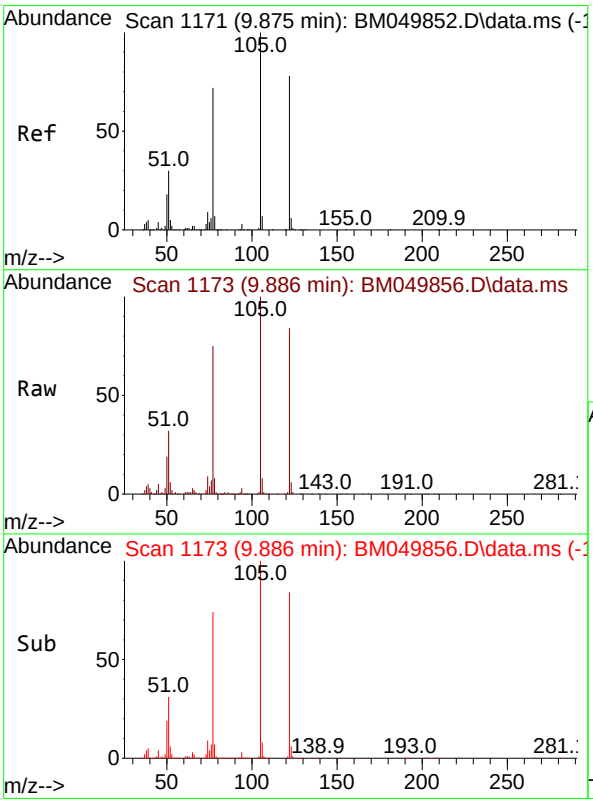
#31
Naphthalene
Concen: 40.582 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:128 Resp: 2222571

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8

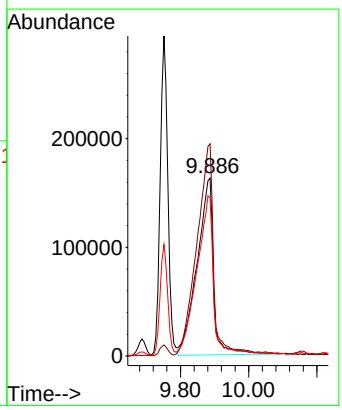


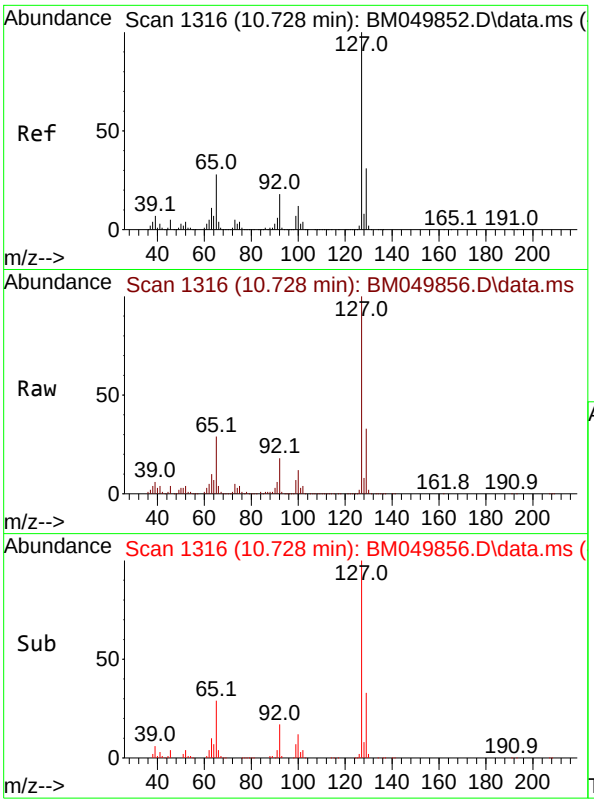


#32
Benzoic acid
Concen: 41.427 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:122 Resp: 548954

Ion	Ratio	Lower	Upper
122	100		
105	119.2	103.8	143.8
77	88.9	70.7	110.7



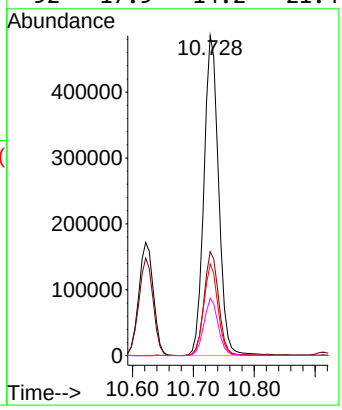


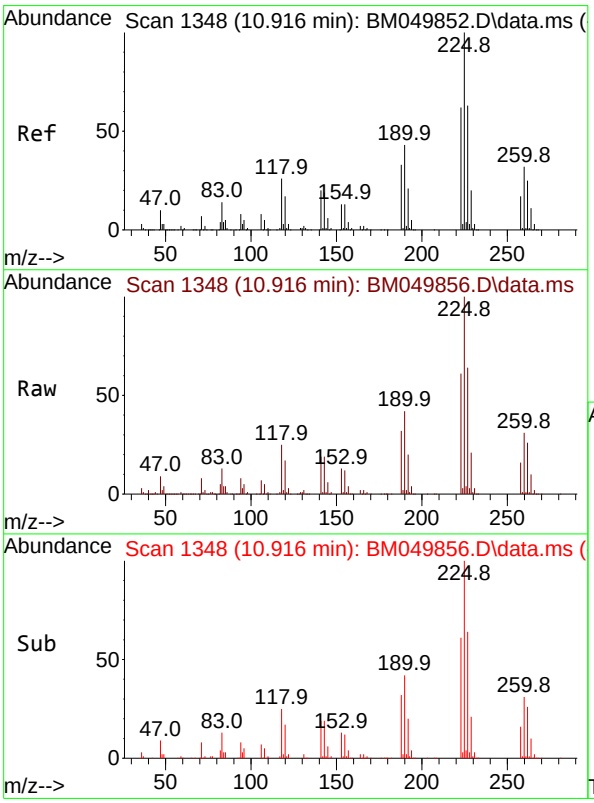
#33
4-Chloroaniline
Concen: 42.177 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:127 Resp: 815667

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	28.7	22.4	33.6
92	17.9	14.2	21.4

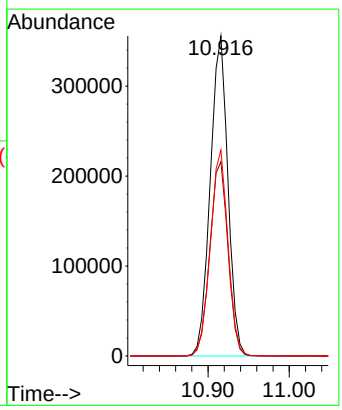


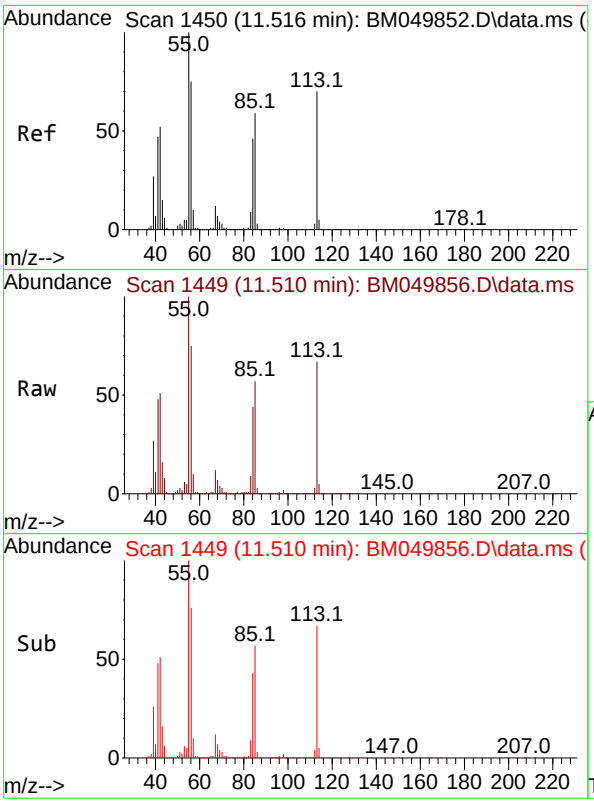


#34
Hexachlorobutadiene
Concen: 40.688 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:225 Resp: 535791

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.4	74.2
227	64.4	50.1	75.1



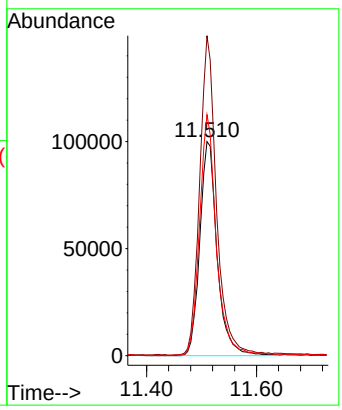


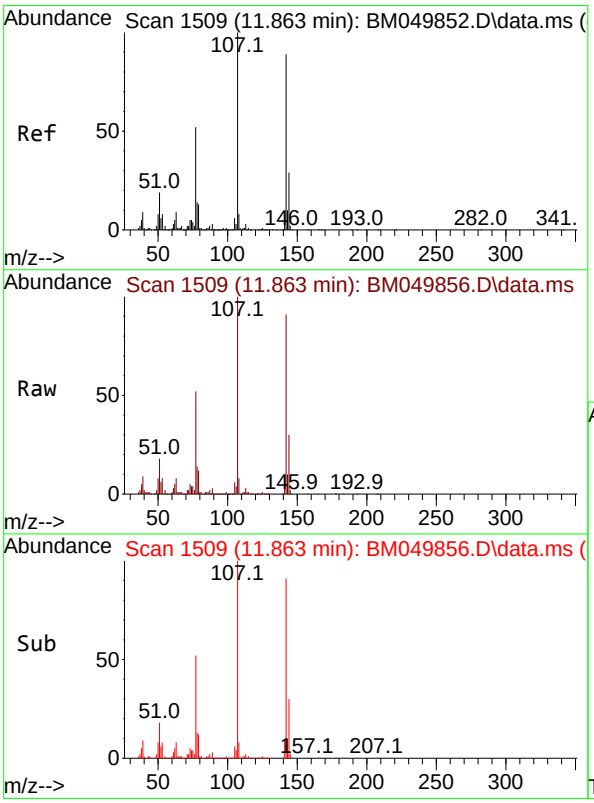
#35
Caprolactam
Concen: 41.519 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:113 Resp: 219136

Ion	Ratio	Lower	Upper
113	100		
55	149.5	124.3	164.3
56	112.6	87.5	127.5

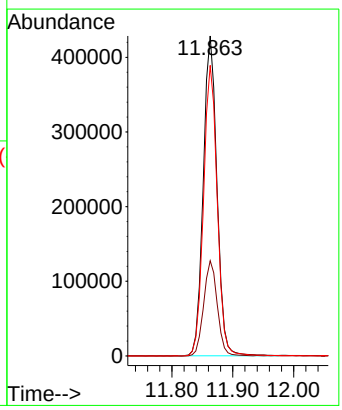


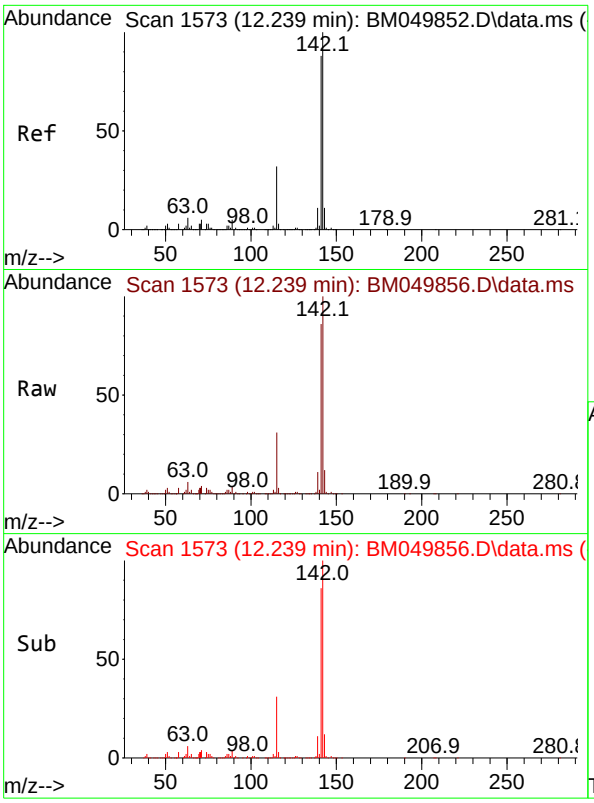


#36
4-Chloro-3-methylphenol
Concen: 41.604 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 670620

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.8	71.4	107.0



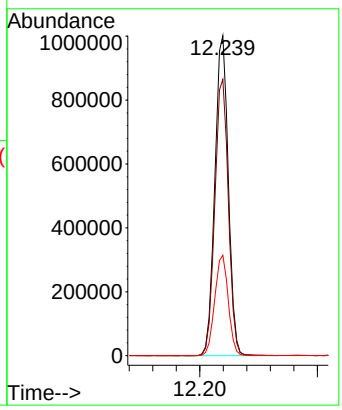


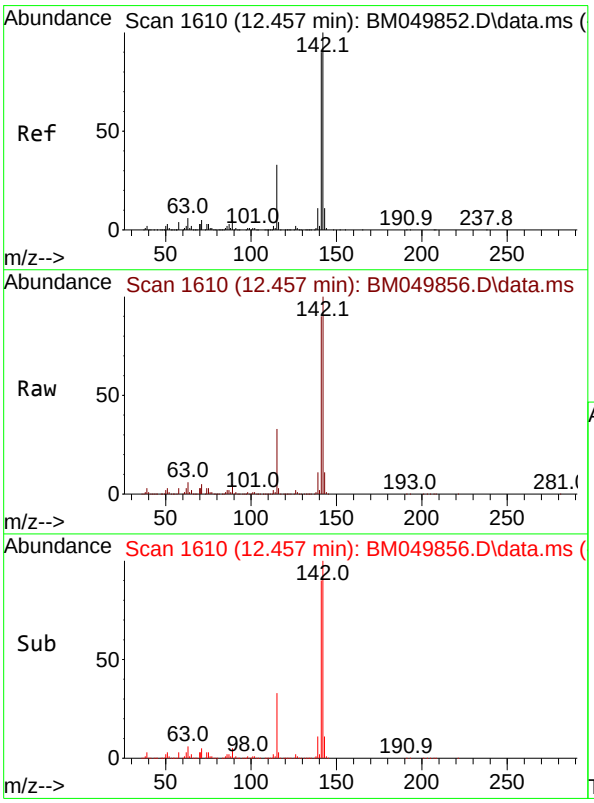
#37
2-Methylnaphthalene
Concen: 41.181 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:142 Resp: 1589046

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2
115	31.4	25.4	38.2

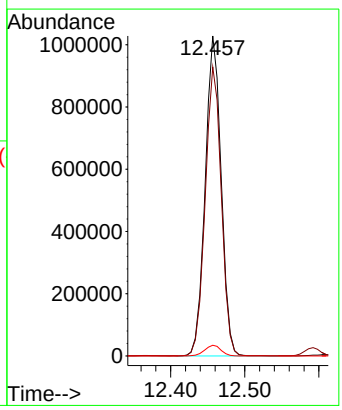


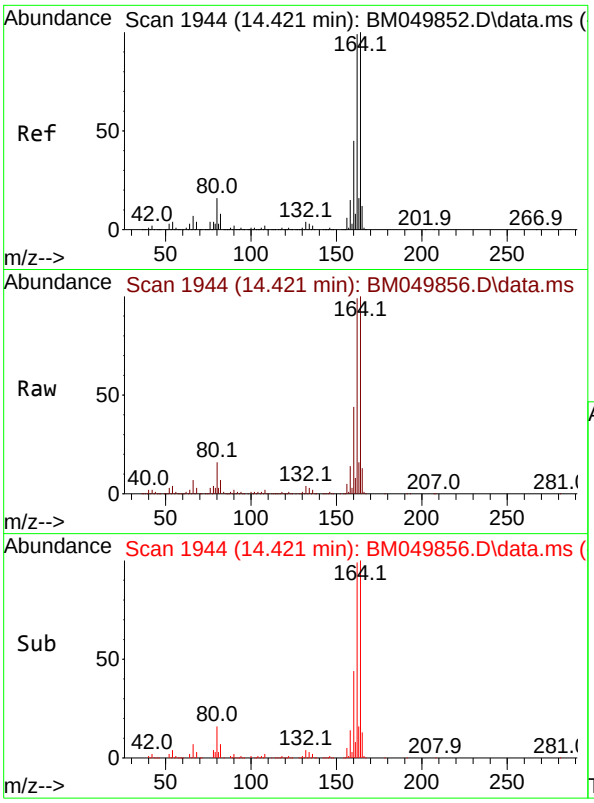


#38
1-Methylnaphthalene
Concen: 40.865 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:142 Resp: 1536235

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.4	2.9	4.3



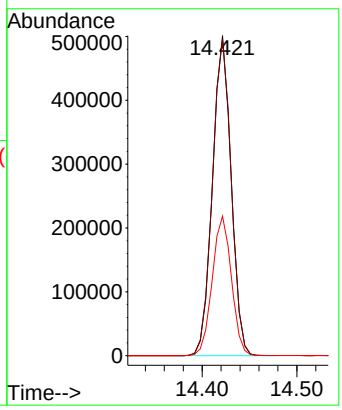


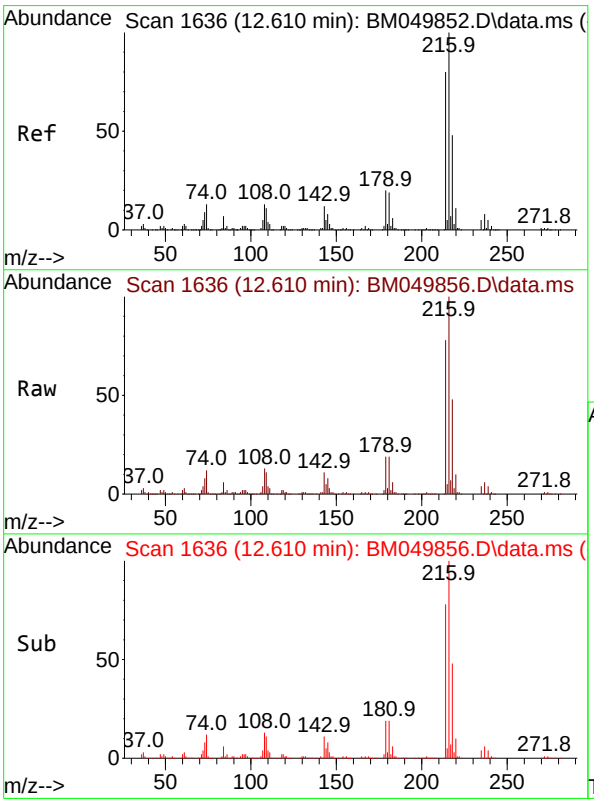
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:164 Resp: 683720

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	43.6	36.2	54.2

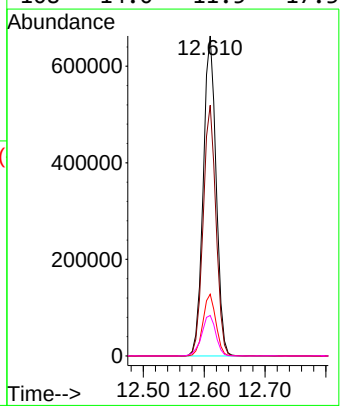


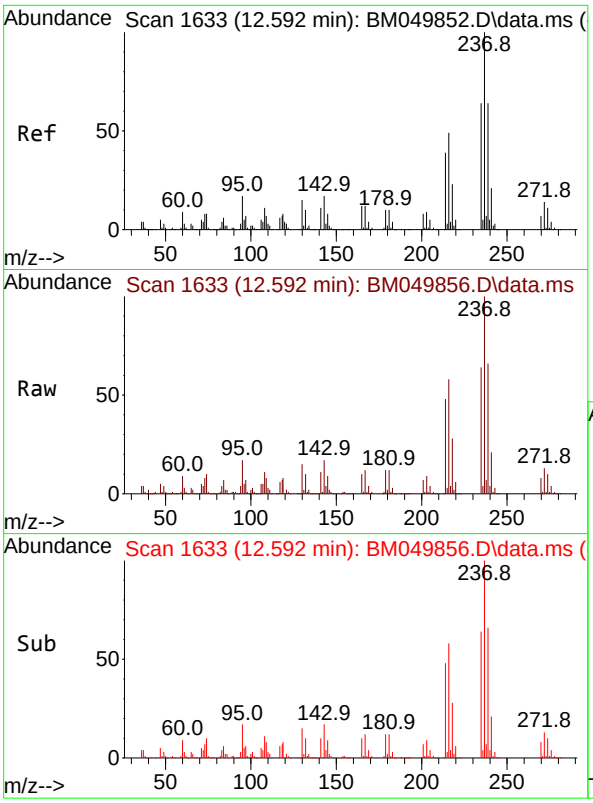


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.724 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:216 Resp: 974104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	19.4	15.8	23.6
108	14.0	11.5	17.3



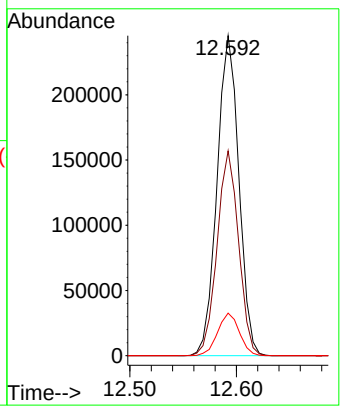


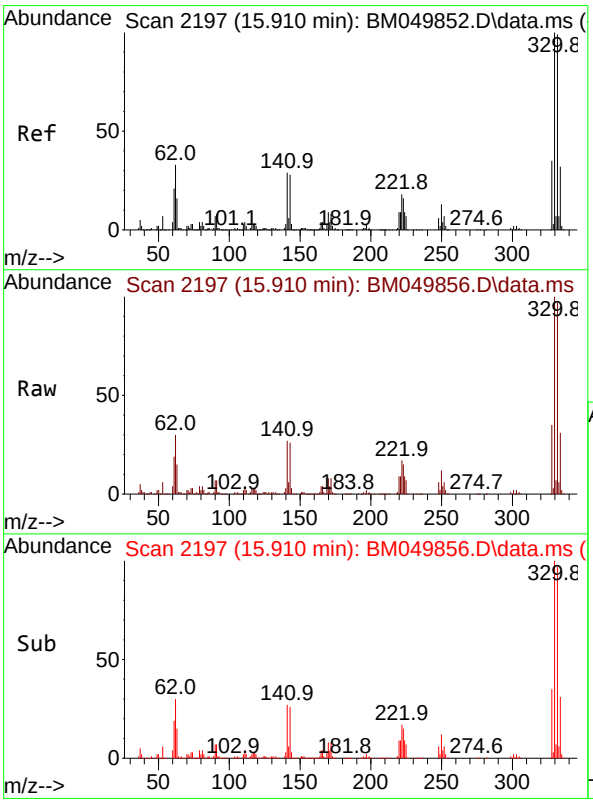
#41
Hexachlorocyclopentadiene
Concen: 41.571 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:237 Resp: 348434

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.7	83.7
272	13.3	0.0	33.5

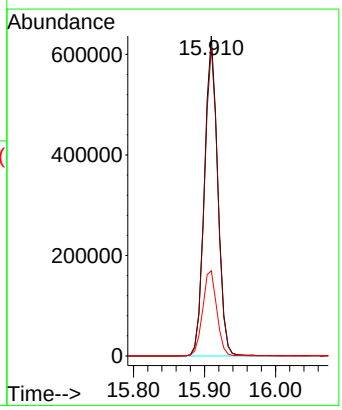


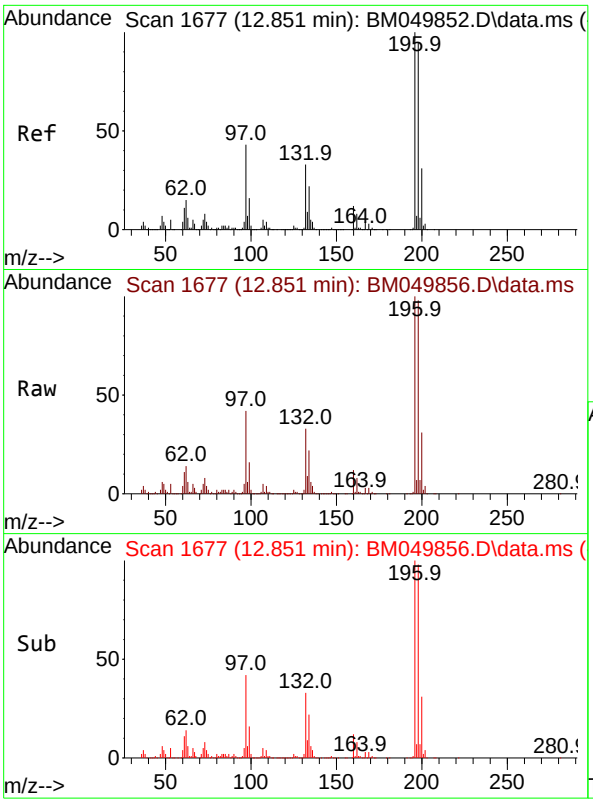


#42
2,4,6-Tribromophenol
Concen: 83.550 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:330 Resp: 830905

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	28.4	23.5	35.3



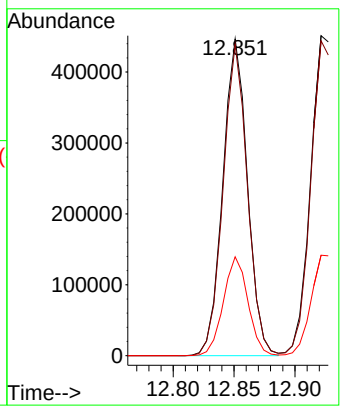


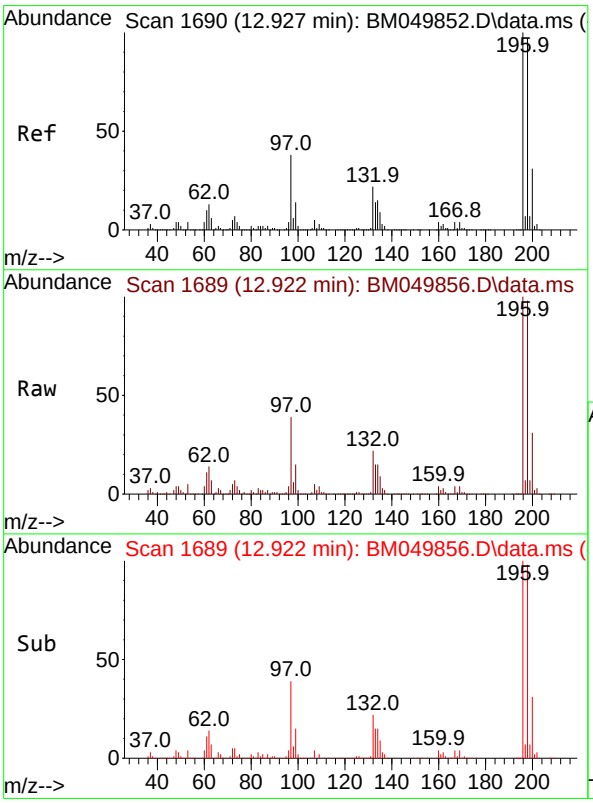
#43
2,4,6-Trichlorophenol
Concen: 41.361 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:196 Resp: 629554

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.1	114.1
200	31.2	24.7	37.1

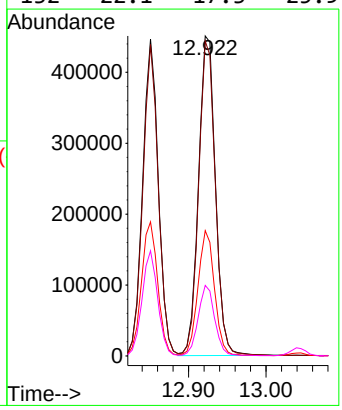


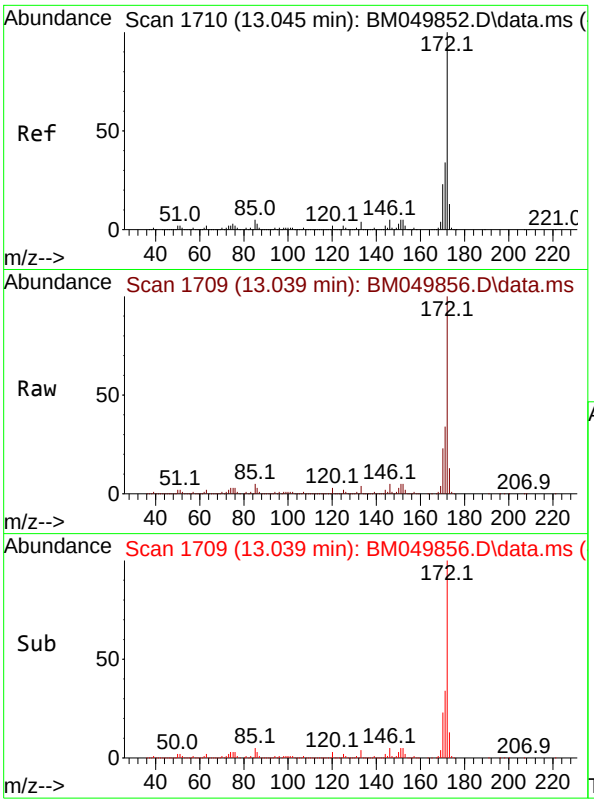


#44
2,4,5-Trichlorophenol
Concen: 41.410 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:196 Resp: 684953

Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.7	116.5
97	39.2	30.3	45.5
132	22.1	17.3	25.9



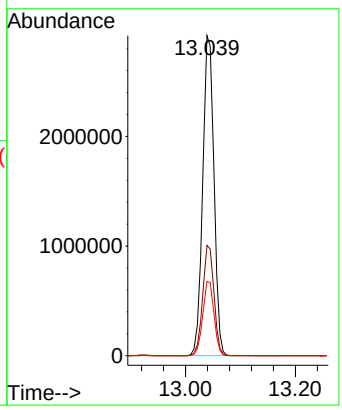


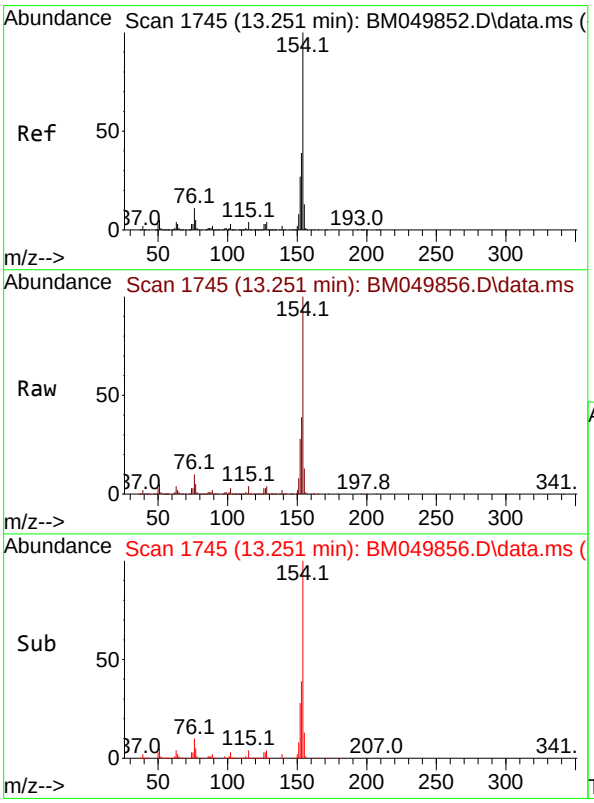
#45
2-Fluorobiphenyl
Concen: 82.271 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:172 Resp: 4148227

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.2	18.6	28.0

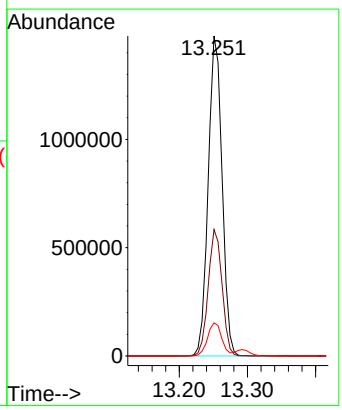


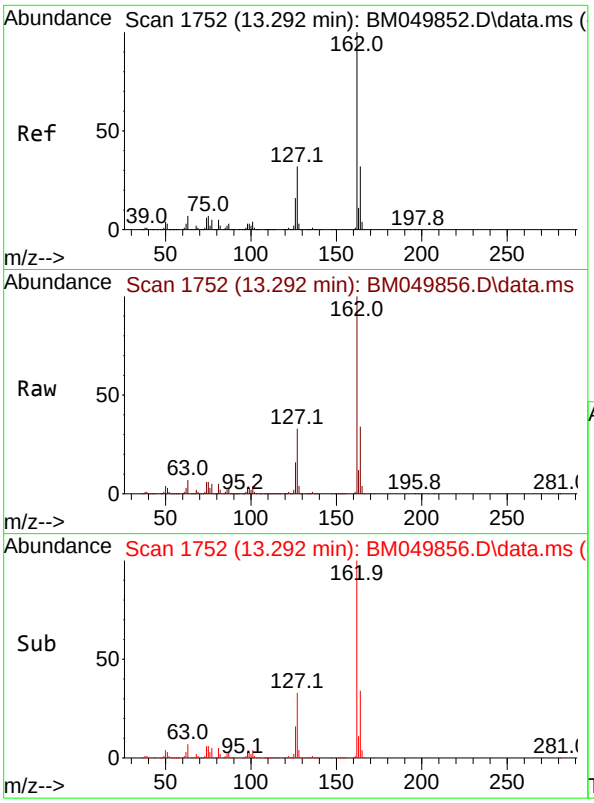


#46
1,1'-Biphenyl
Concen: 41.097 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 2088758

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.3	59.3
76	10.3	0.0	30.7



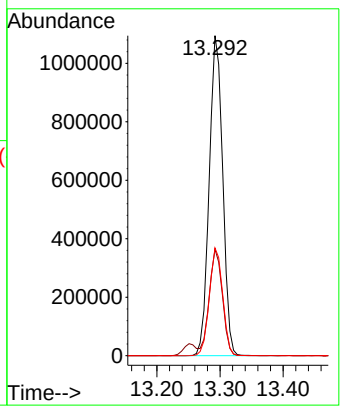


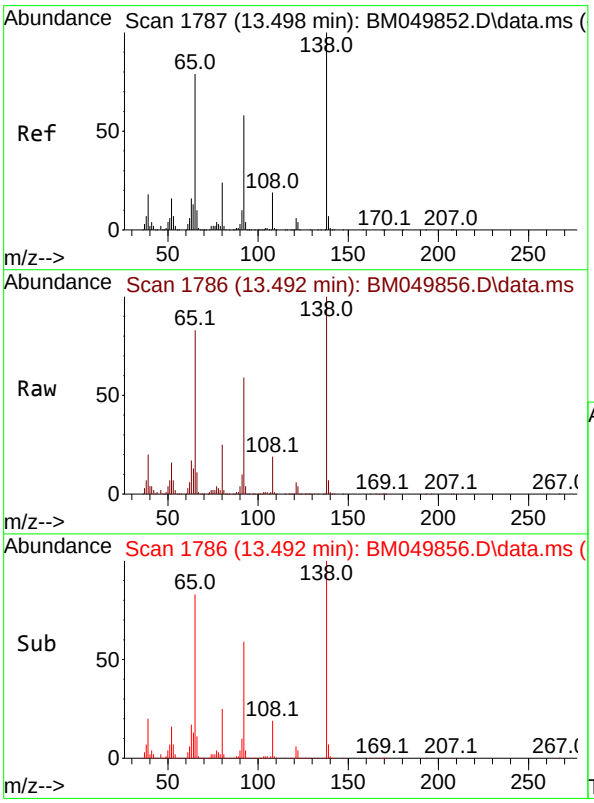
#47
2-Chloronaphthalene
Concen: 40.719 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 1626662

Ion	Ratio	Lower	Upper
162	100		
127	33.2	26.0	39.0
164	33.7	25.9	38.9

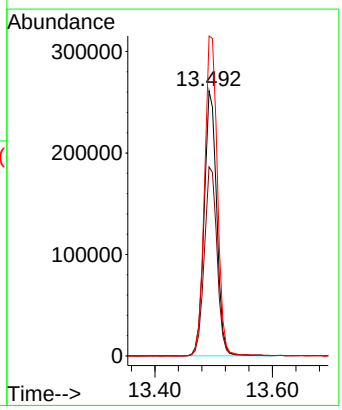


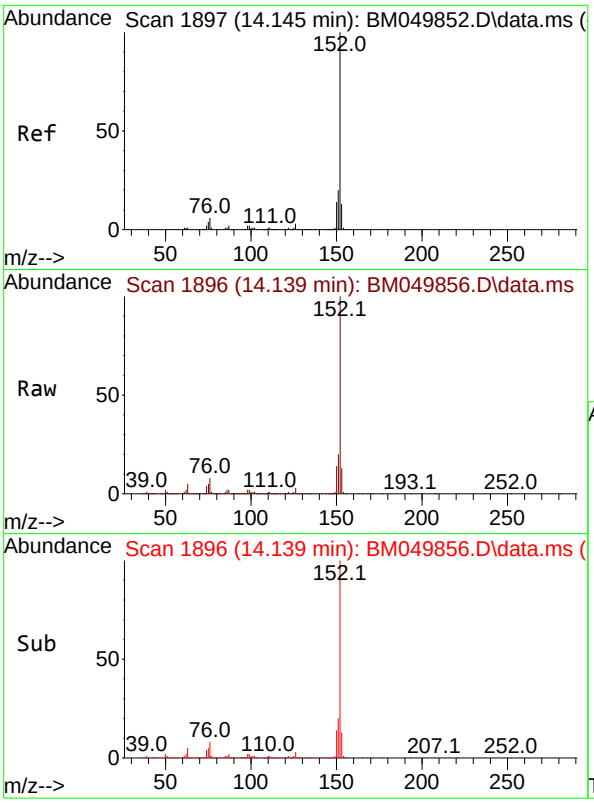


#48
2-Nitroaniline
Concen: 41.831 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 65 Resp: 386594

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	120.7	100.8	151.2



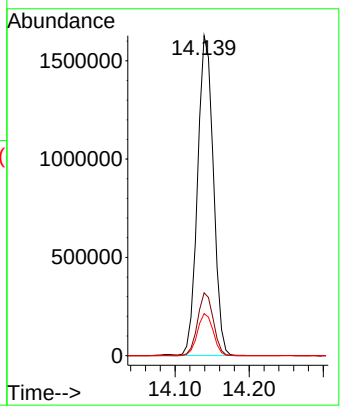


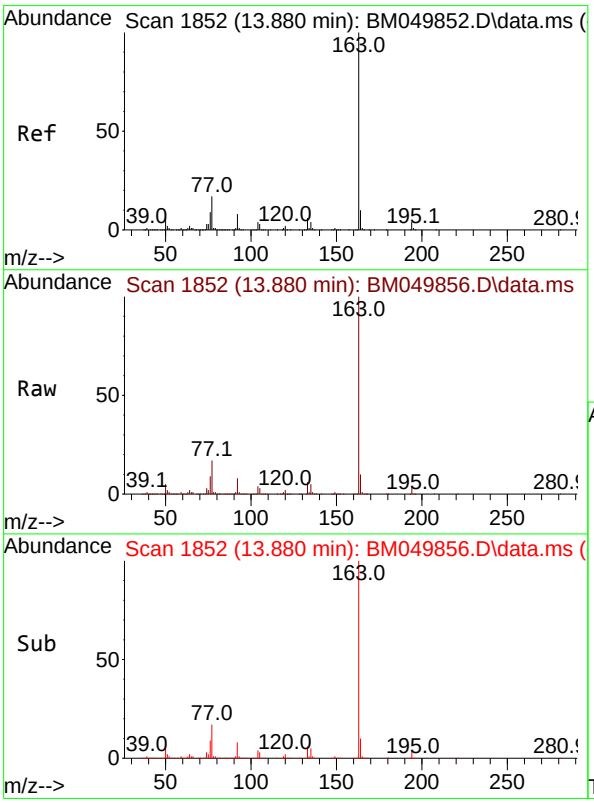
#49
Acenaphthylene
Concen: 41.321 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 2404483

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.4	15.6

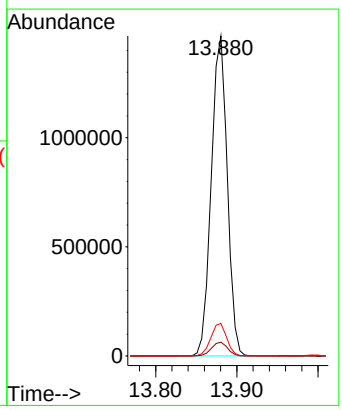


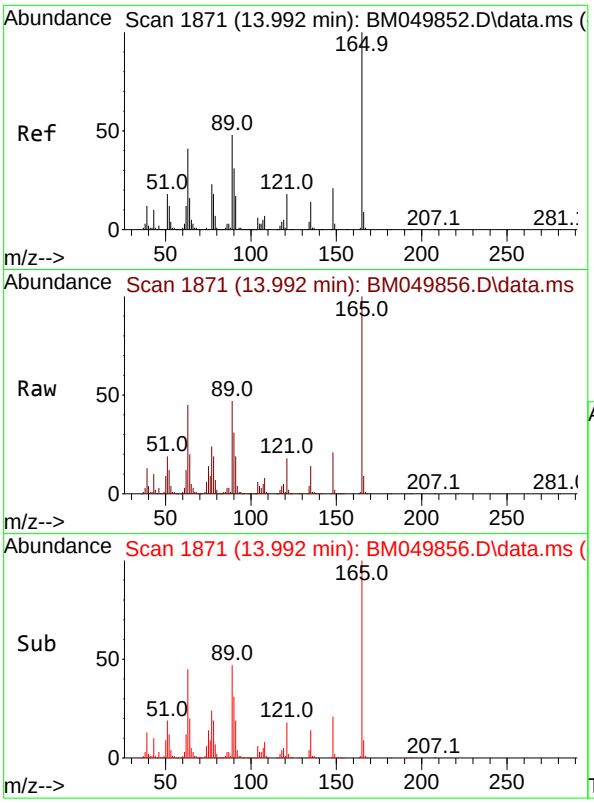


#50
Dimethylphthalate
Concen: 41.593 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:163 Resp: 2006252

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



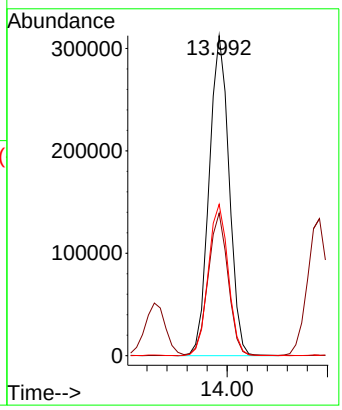


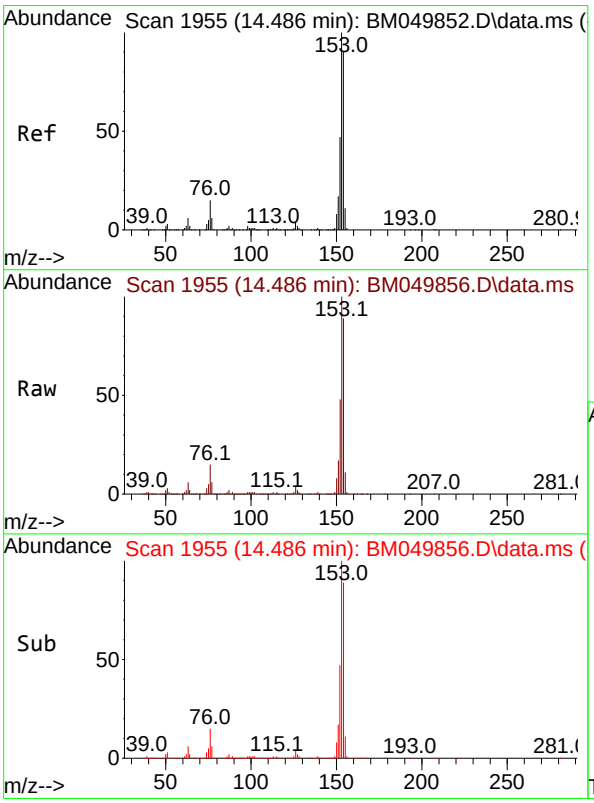
#51
2,6-Dinitrotoluene
Concen: 42.625 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 430765

Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	47.3	38.3	57.5

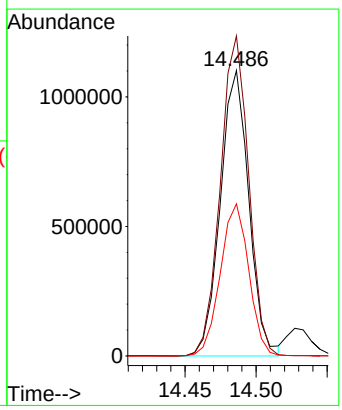


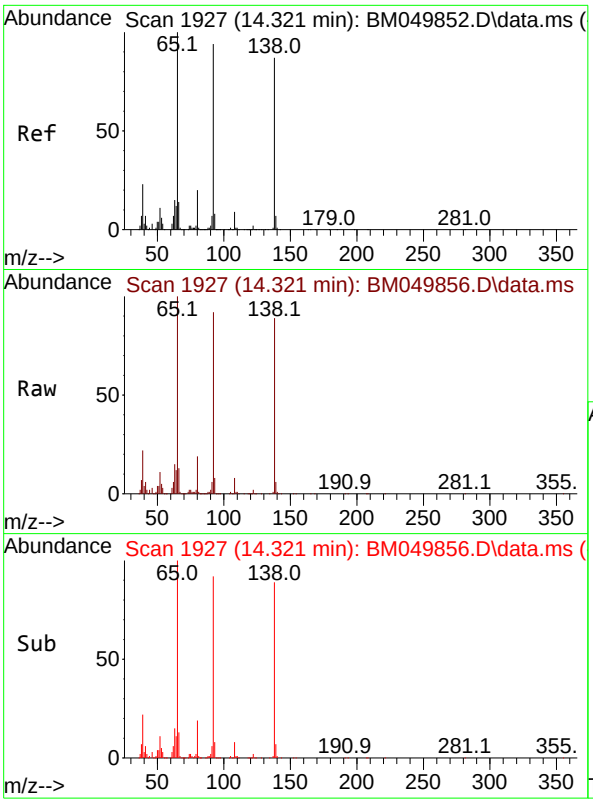


#52
Acenaphthene
Concen: 41.534 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 1537342

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.3	133.9
152	53.3	42.2	63.2



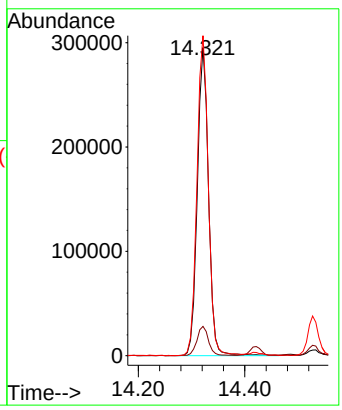


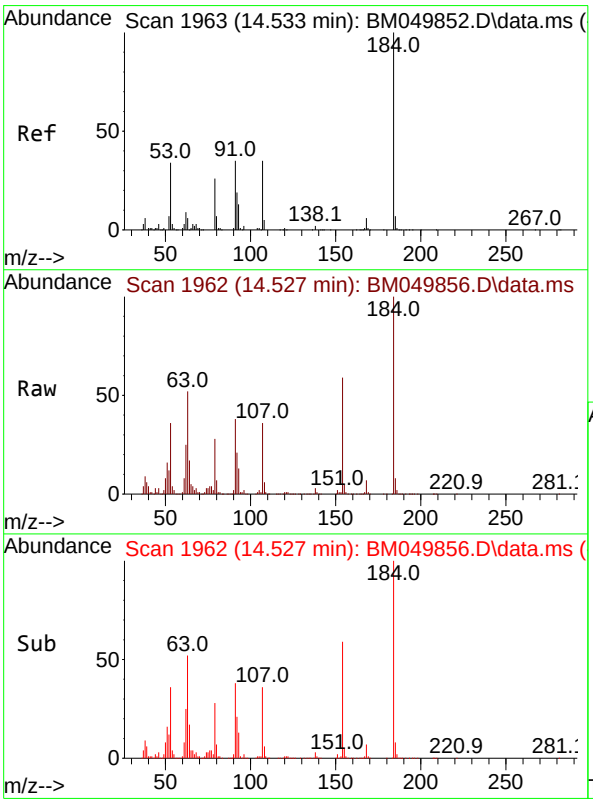
#53
3-Nitroaniline
Concen: 44.041 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:138 Resp: 430166

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.1	12.1
92	103.9	86.5	129.7

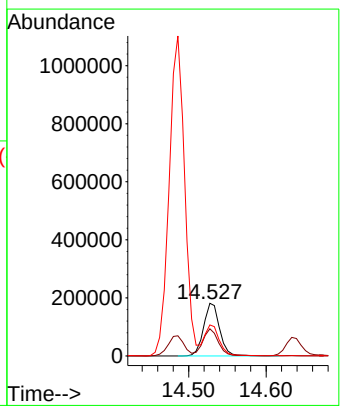


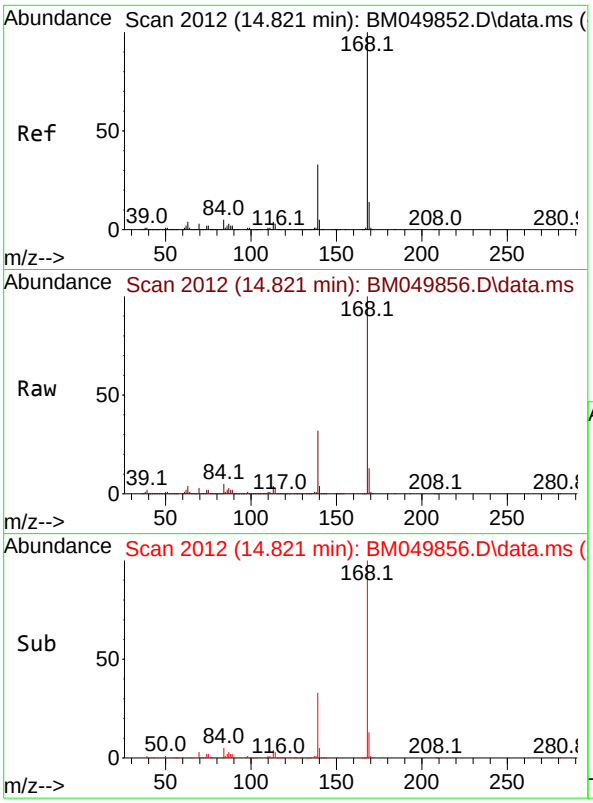


#54
2,4-Dinitrophenol
Concen: 39.689 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:184 Resp: 261179

Ion	Ratio	Lower	Upper
184	100		
63	51.8	38.4	57.6
154	59.0	48.1	72.1



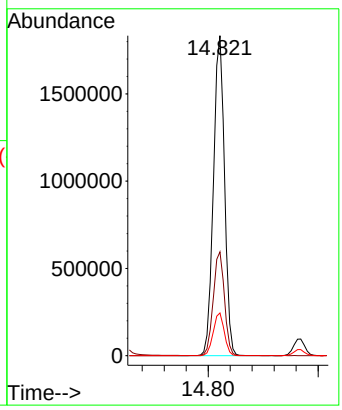


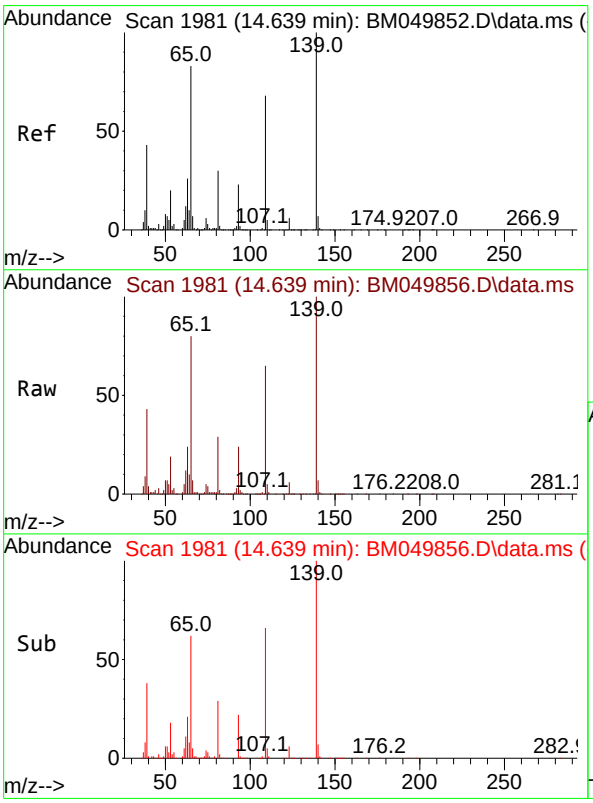
#55
Dibenzofuran
Concen: 41.581 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:168 Resp: 2572884

Ion	Ratio	Lower	Upper
168	100		
139	32.5	26.6	39.8
169	13.4	11.0	16.4

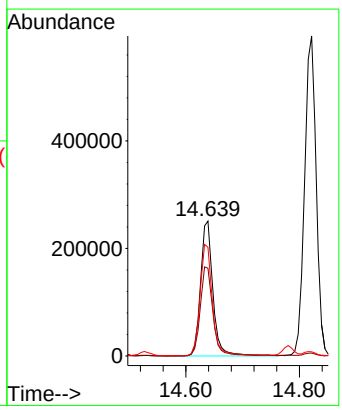


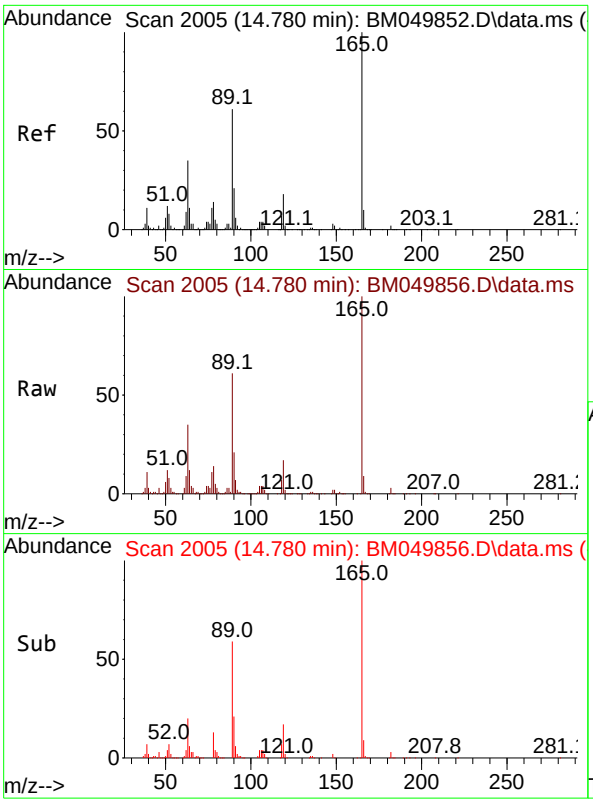


#56
4-Nitrophenol
Concen: 43.685 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 380237

Ion	Ratio	Lower	Upper
139	100		
109	65.0	47.9	87.9
65	80.5	62.7	102.7



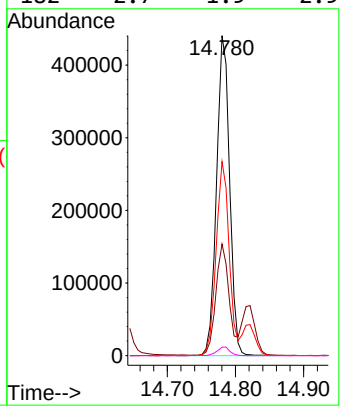


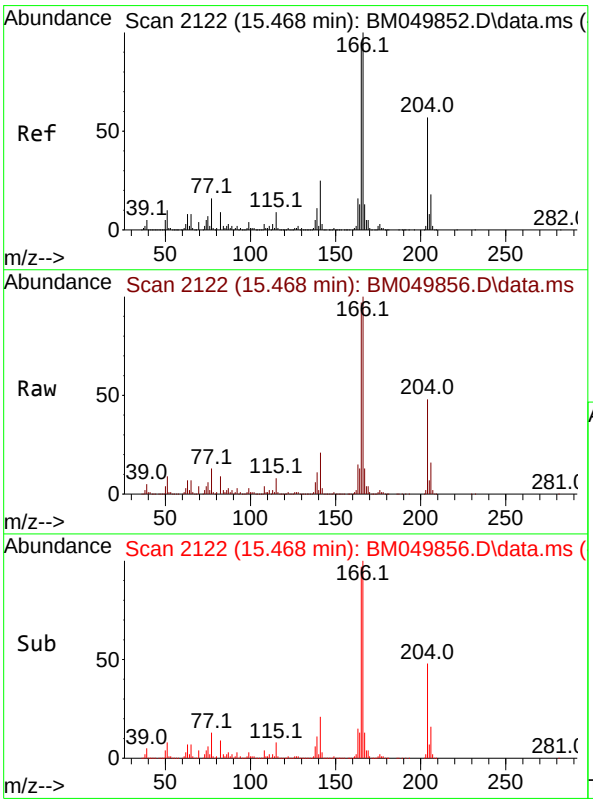
#57
2,4-Dinitrotoluene
Concen: 43.627 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 588187

Ion	Ratio	Lower	Upper
165	100		
63	34.9	28.6	42.8
89	60.6	49.0	73.6
182	2.7	1.9	2.9

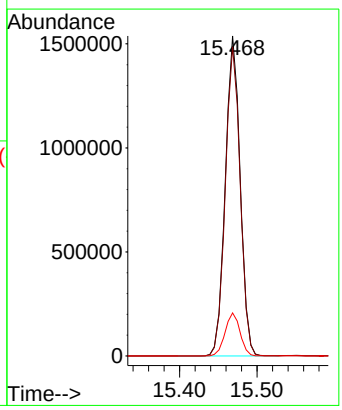


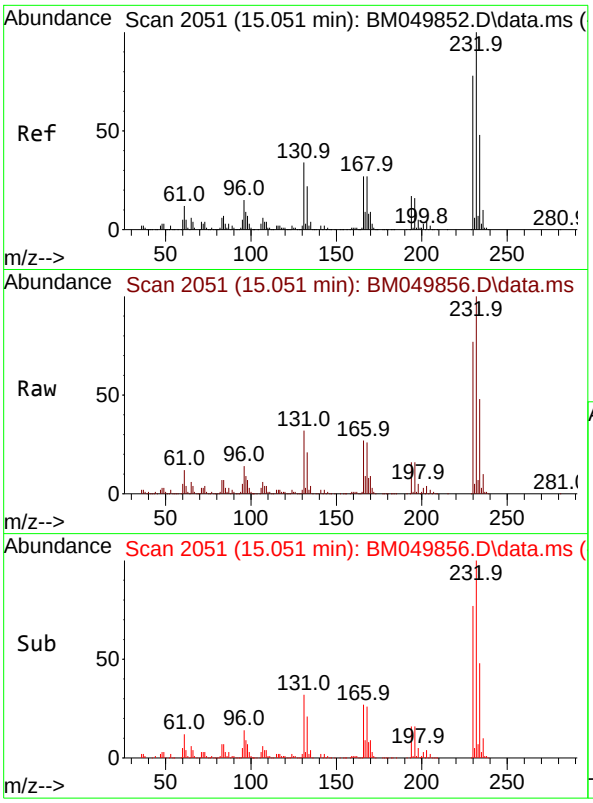


#58
Fluorene
Concen: 41.729 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:166 Resp: 2052408

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.5	10.7	16.1



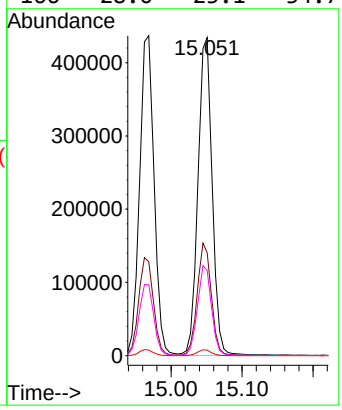


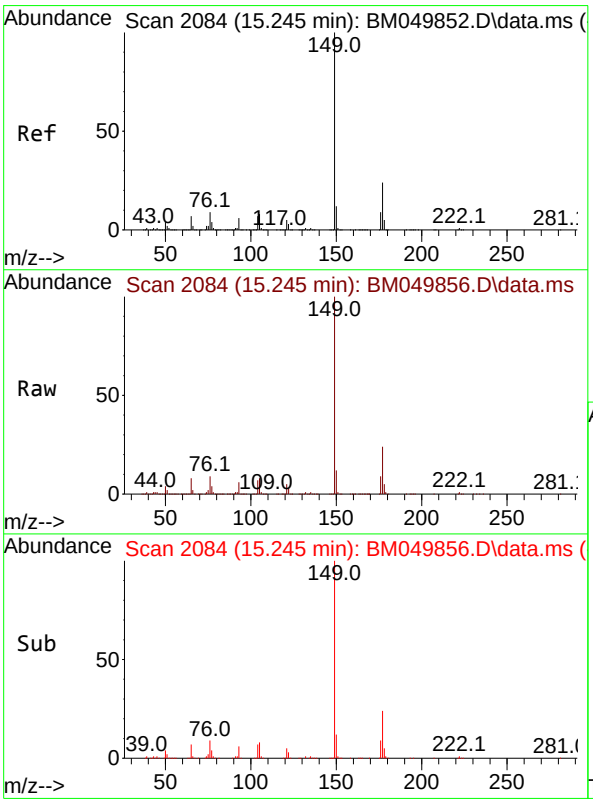
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.690 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:232 Resp: 604398

Ion	Ratio	Lower	Upper
232	100		
131	35.1	28.4	42.6
130	1.9	1.6	2.4
166	28.0	23.1	34.7

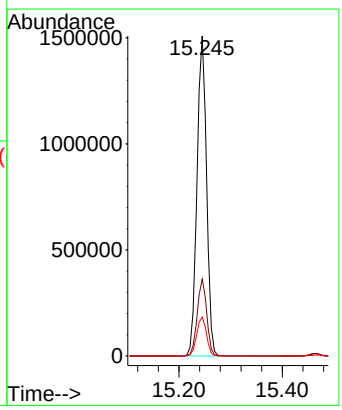


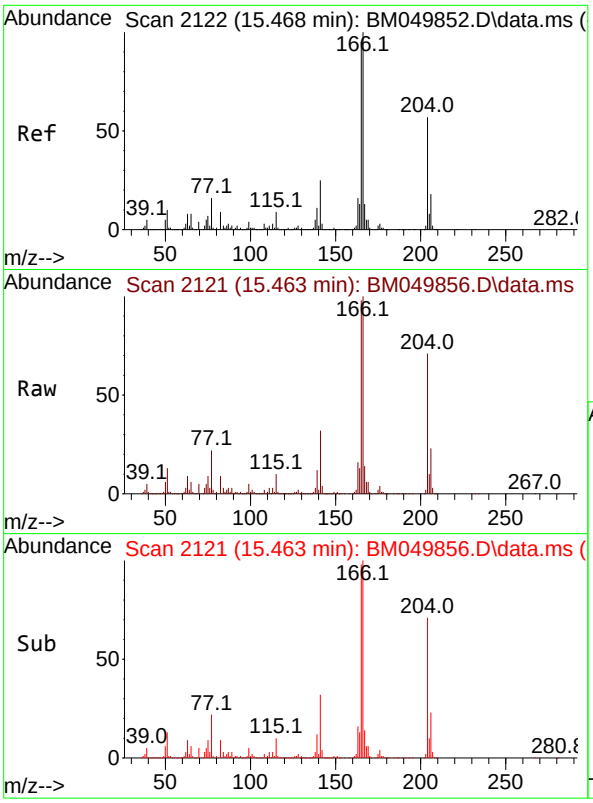


#60
Diethylphthalate
Concen: 41.839 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1935360

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



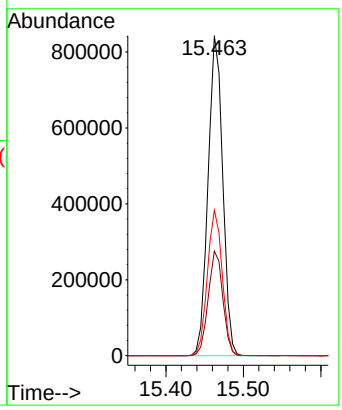


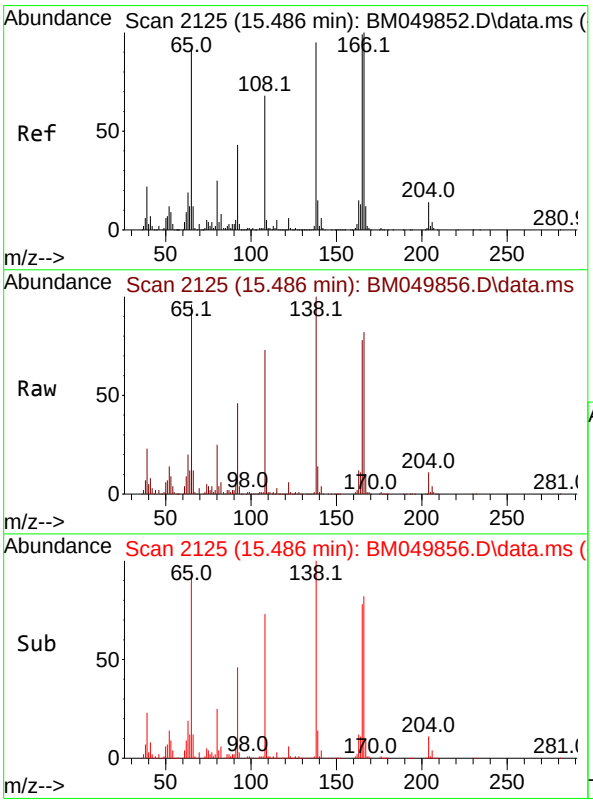
#61
4-Chlorophenyl-phenylether
Concen: 41.984 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:204 Resp: 1107114

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.4	35.0	52.6

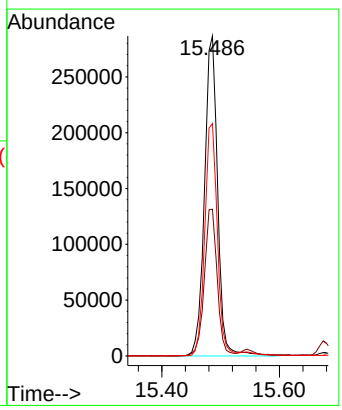


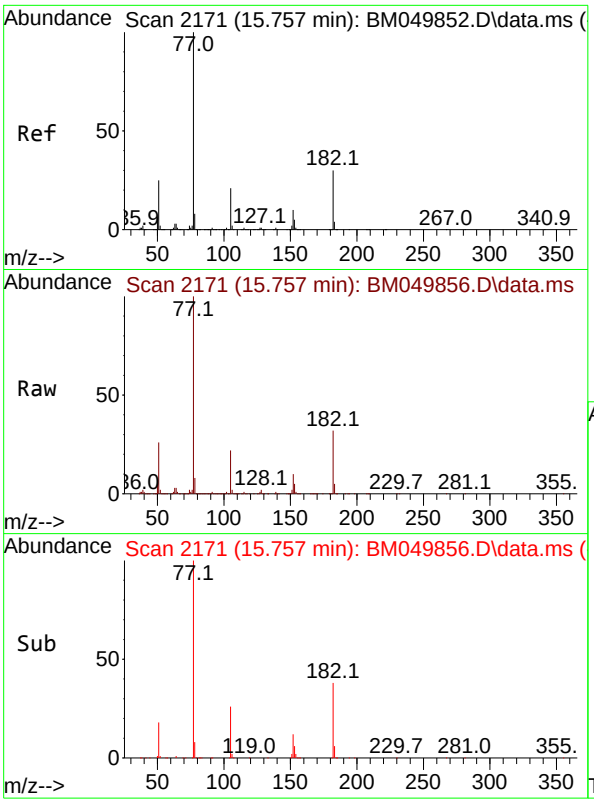


#62
4-Nitroaniline
Concen: 44.058 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:138 Resp: 445025

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	72.7	51.7	91.7



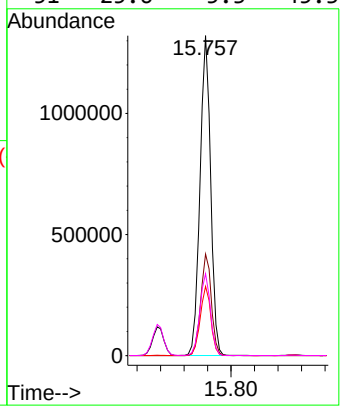


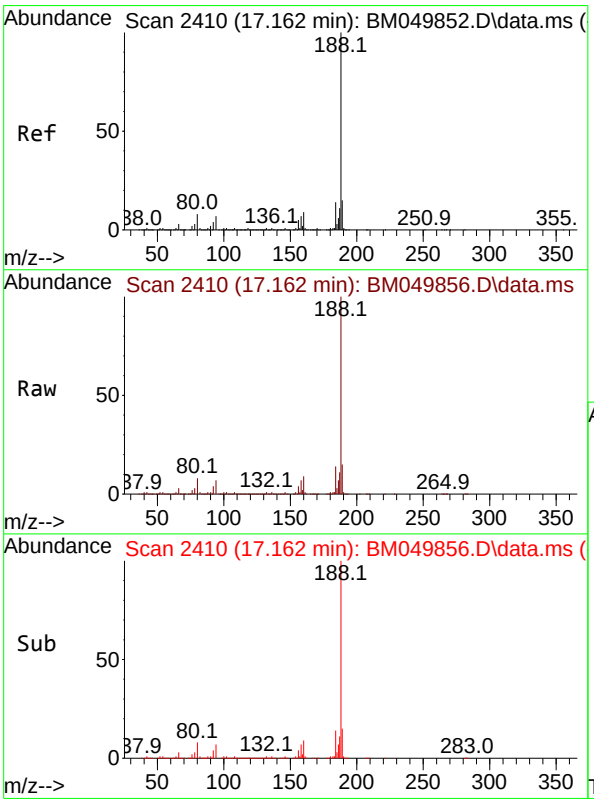
#63
Azobenzene
Concen: 41.869 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 1658136

Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.4	50.4
105	21.7	1.5	41.5
51	25.6	5.3	45.3

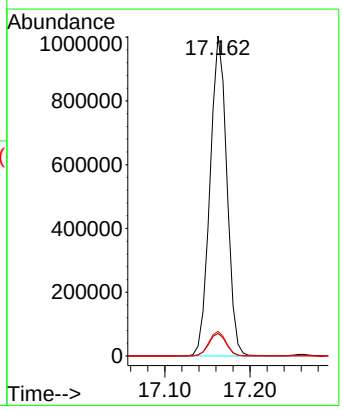


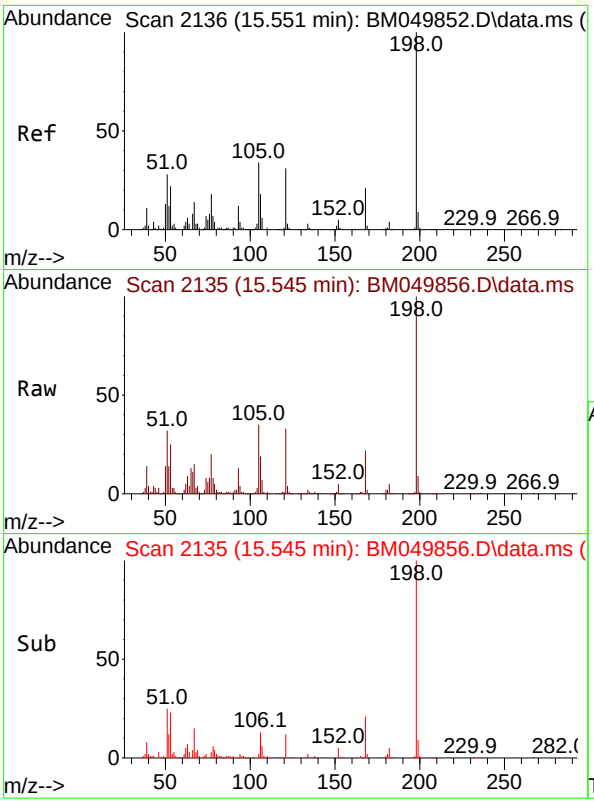


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:188 Resp: 1374499

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.7	6.4	9.6



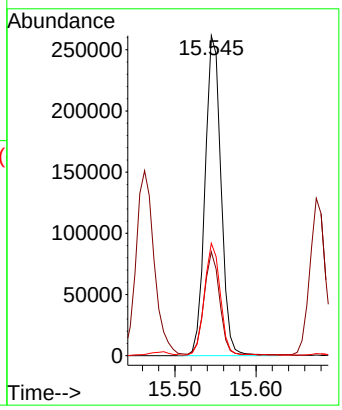


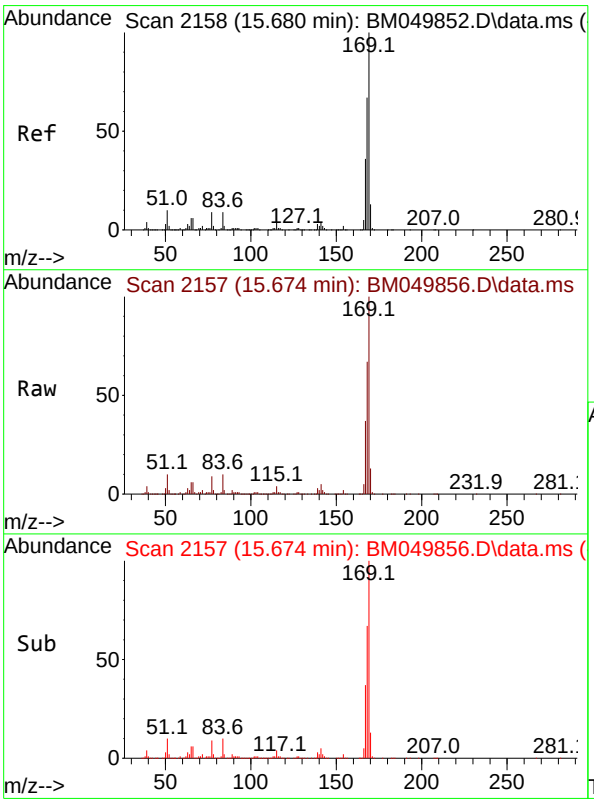
#65
4,6-Dinitro-2-methylphenol
Concen: 41.037 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:198 Resp: 355438

Ion	Ratio	Lower	Upper
198	100		
51	32.5	9.6	49.6
105	35.1	14.7	54.7

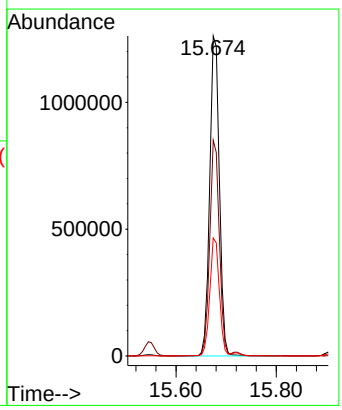


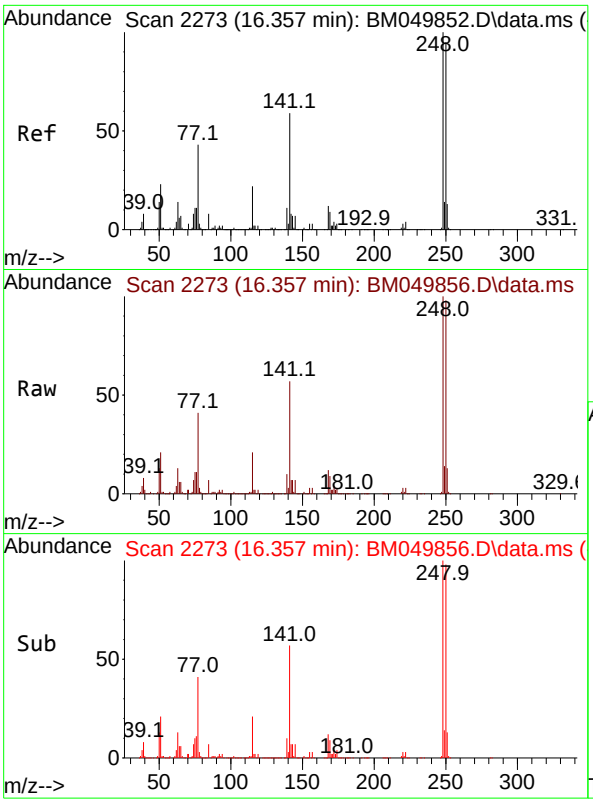


#66
n-Nitrosodiphenylamine
Concen: 41.081 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:169 Resp: 1689818

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.9	29.0	43.6



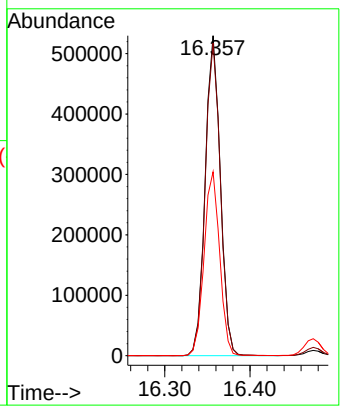


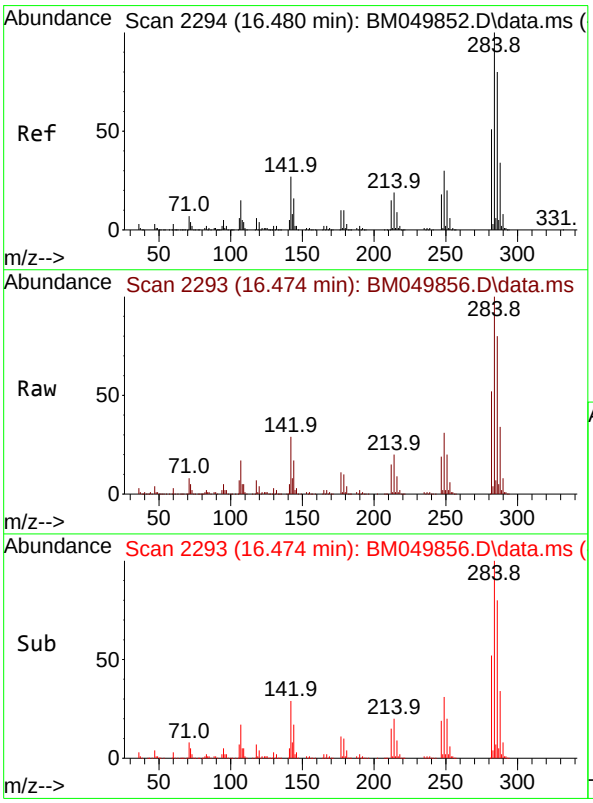
#67
4-Bromophenyl-phenylether
Concen: 41.024 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:248 Resp: 654585

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.2	114.2
141	57.5	47.3	70.9

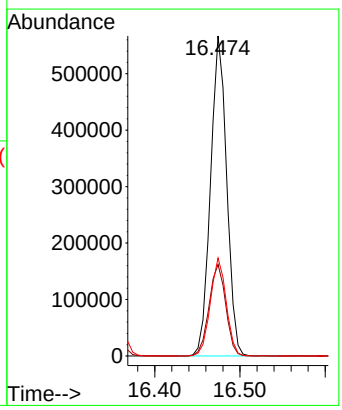


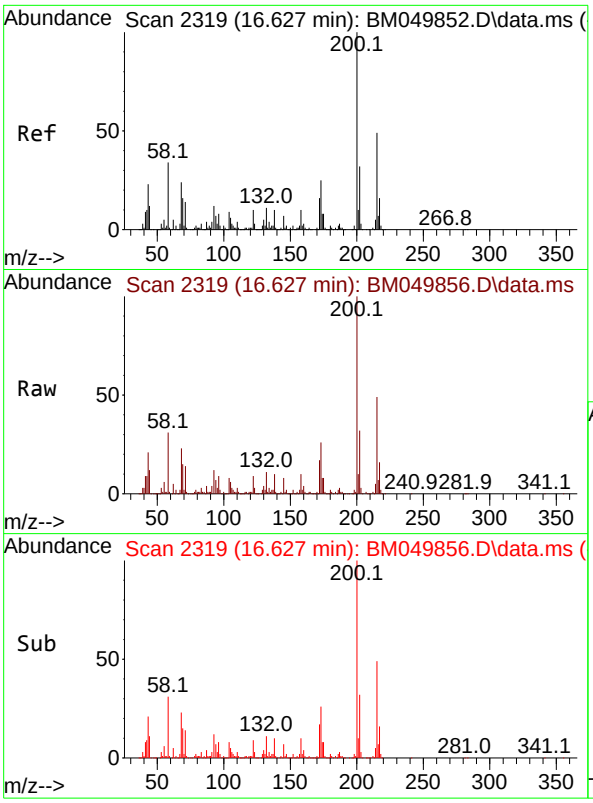


#68
Hexachlorobenzene
Concen: 40.782 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:284 Resp: 746406

Ion	Ratio	Lower	Upper
284	100		
142	28.6	21.2	31.8
249	30.6	24.1	36.1



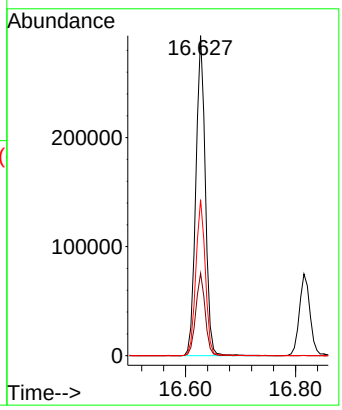


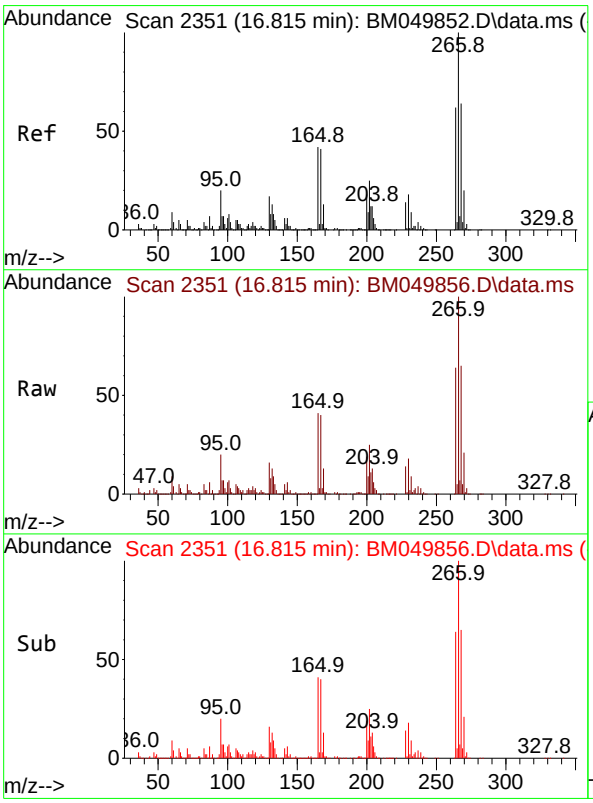
#69
Atrazine
Concen: 32.937 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:200 Resp: 351283

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	48.8	29.0	69.0

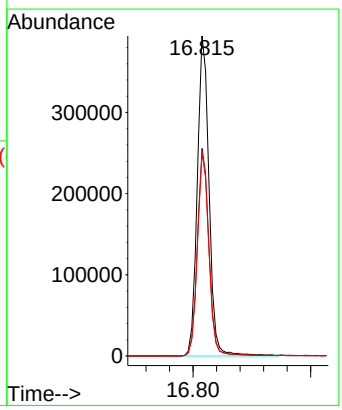


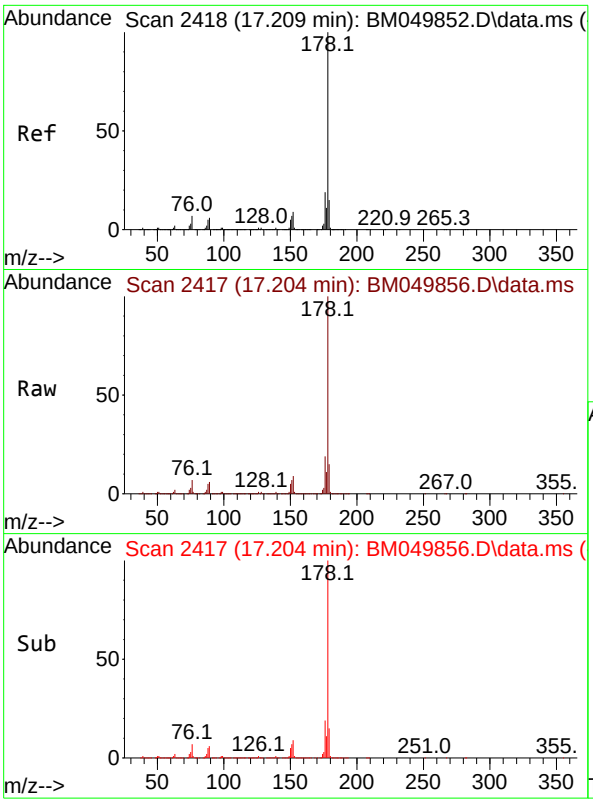


#70
Pentachlorophenol
Concen: 40.626 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:266 Resp: 547416

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.4	77.2
264	63.6	49.8	74.8



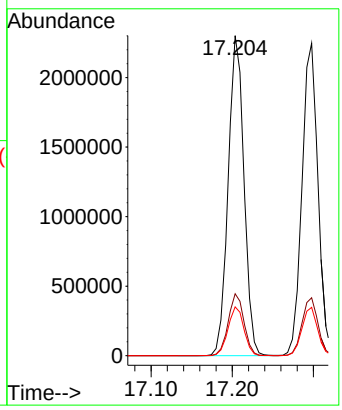


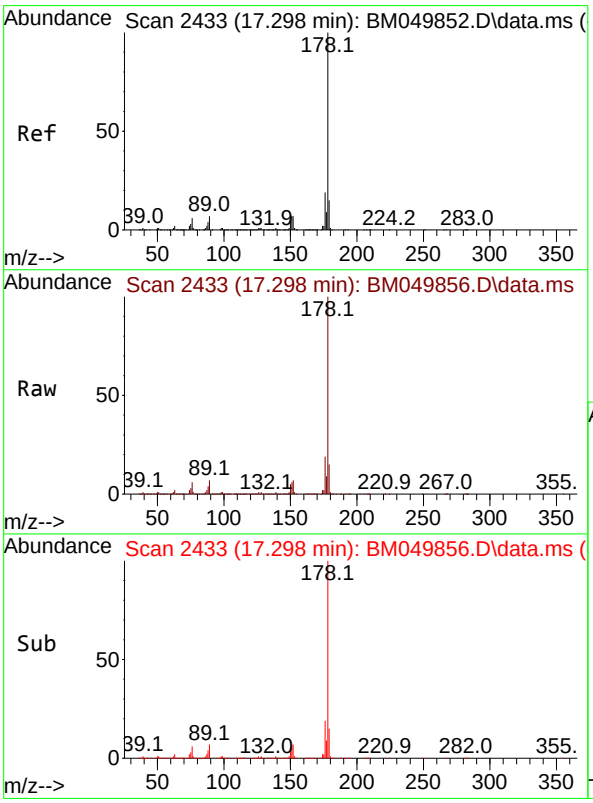
#71
Phenanthrene
Concen: 41.280 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:178 Resp: 3110670

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.3	18.5

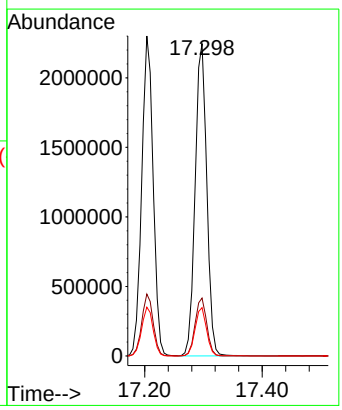


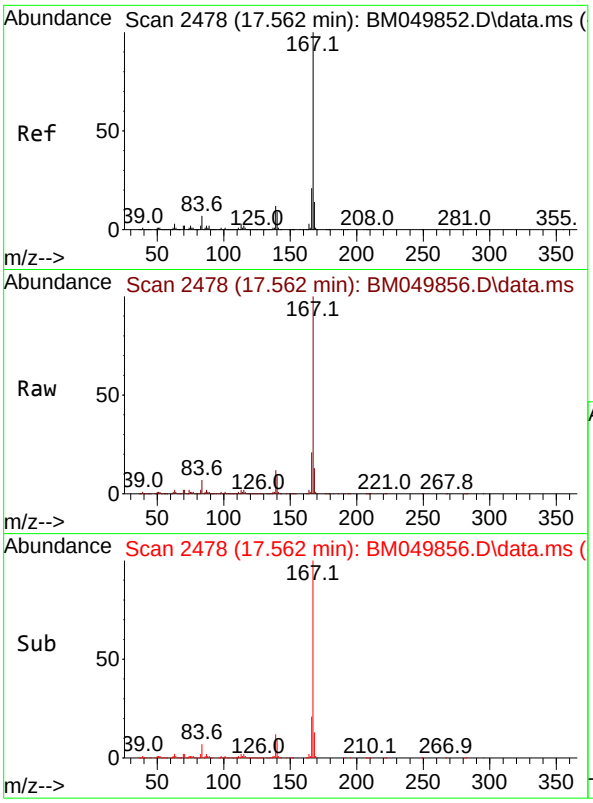


#72
Anthracene
Concen: 41.490 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:178 Resp: 3081134

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.4	18.6



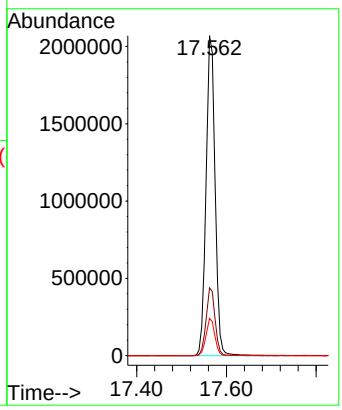


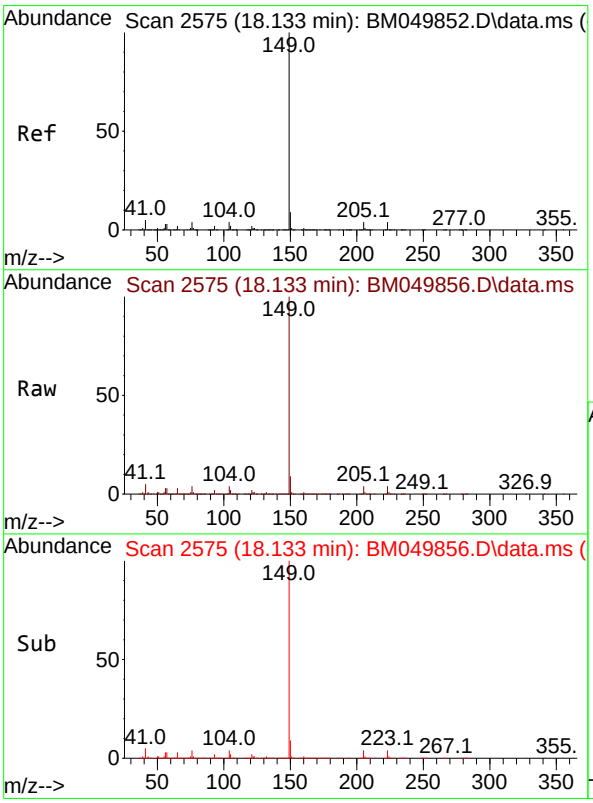
#73
Carbazole
Concen: 41.424 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:167 Resp: 2897408

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.6	9.3	13.9

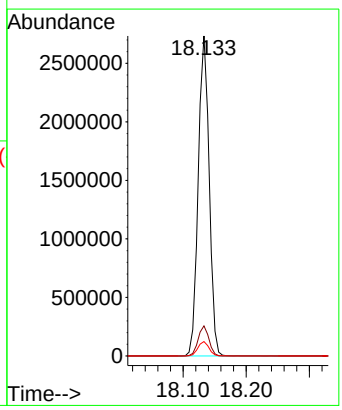


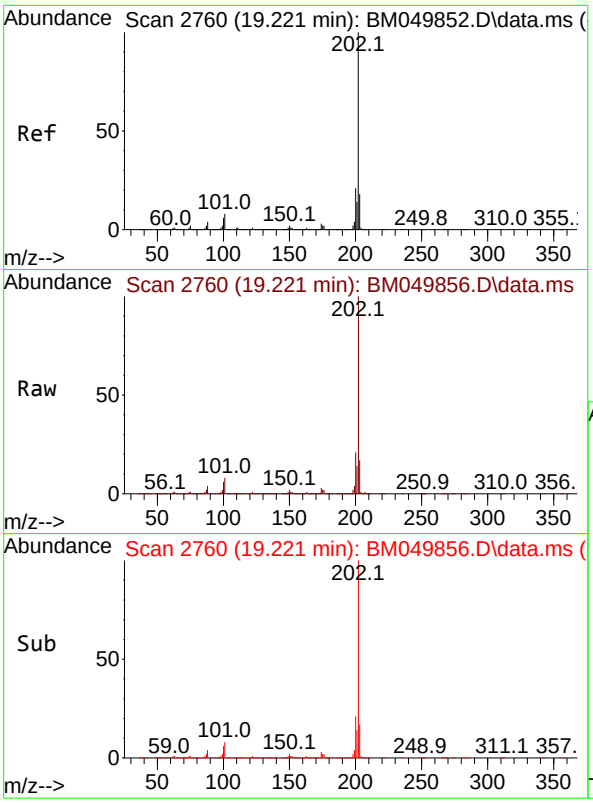


#74
Di-n-butylphthalate
Concen: 40.739 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 3282090

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.5	5.3



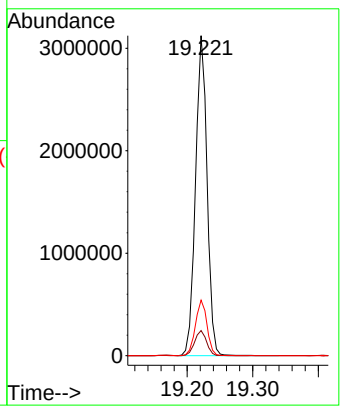


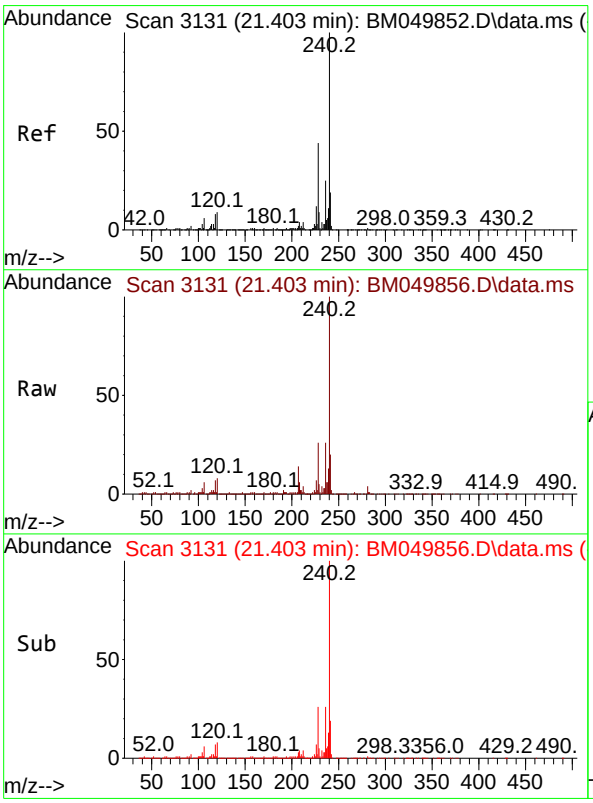
#75
Fluoranthene
Concen: 41.327 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:202 Resp: 3829085

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.4	0.0	37.8

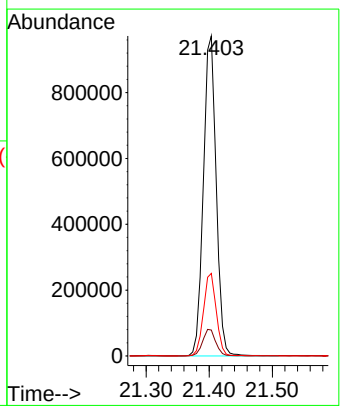


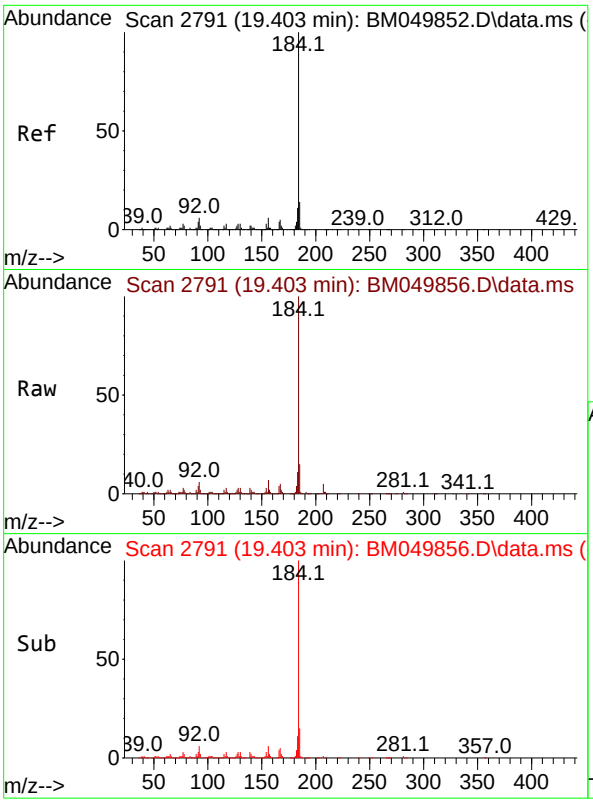


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:240 Resp: 1374864

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.9	10.3
236	25.8	20.4	30.6



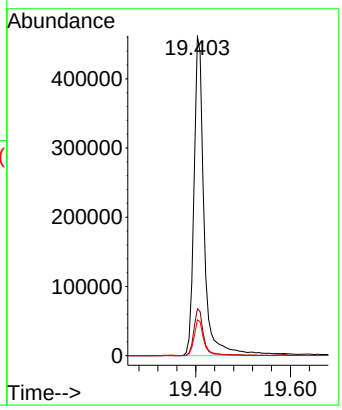


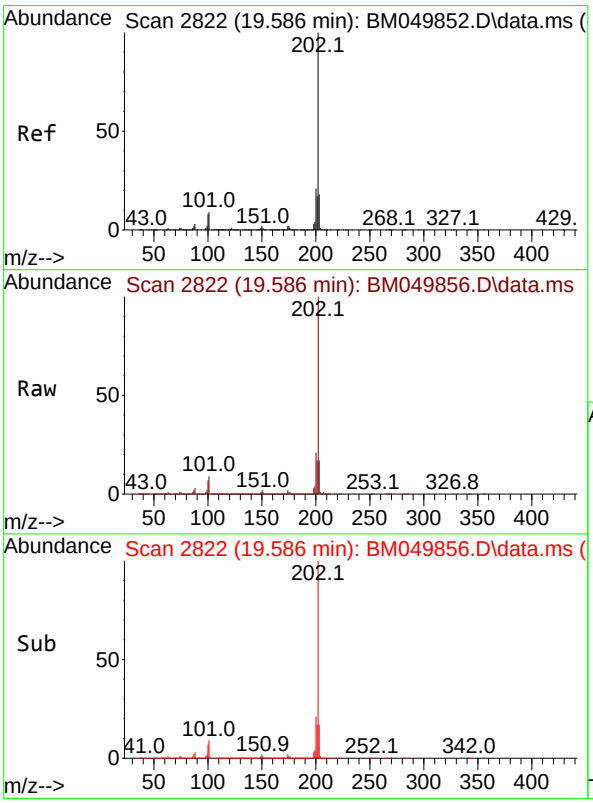
#77
Benzidine
Concen: 37.866 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:184 Resp: 690660

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.2	8.8	13.2

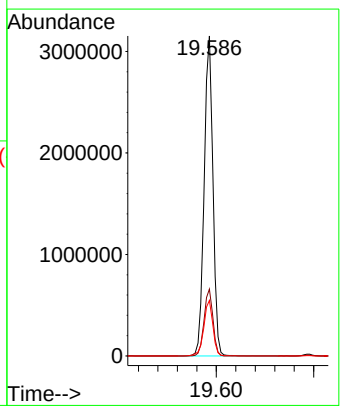


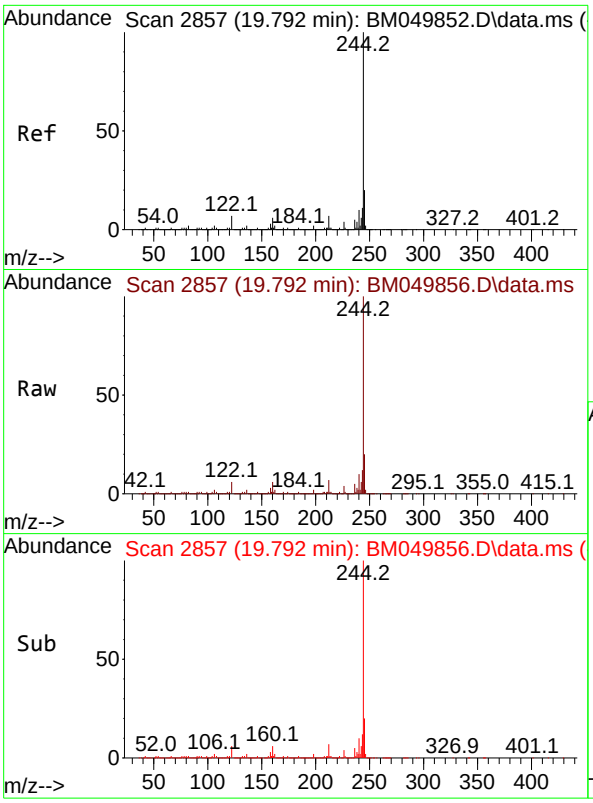


#78
Pyrene
Concen: 41.482 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:202 Resp: 3930574

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.3	14.0	21.0



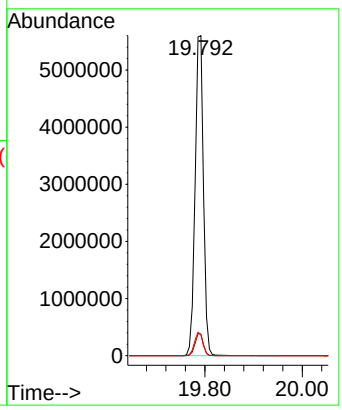


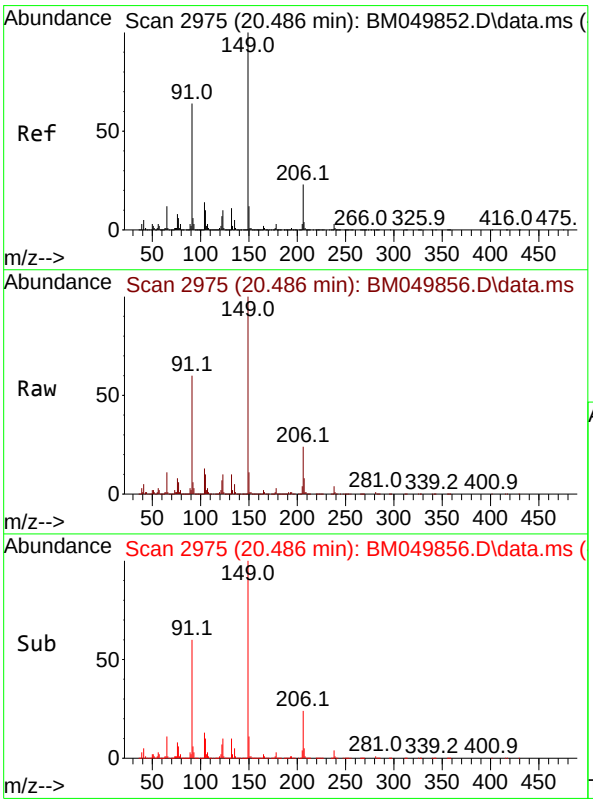
#79
Terphenyl-d14
Concen: 90.949 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:244 Resp: 6672291

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	6.5	5.4	8.0

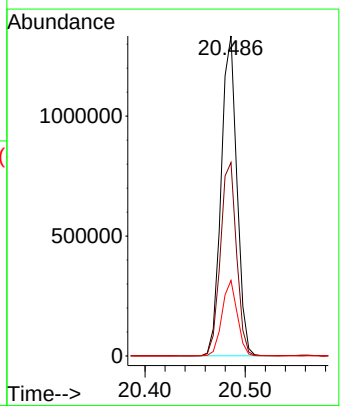


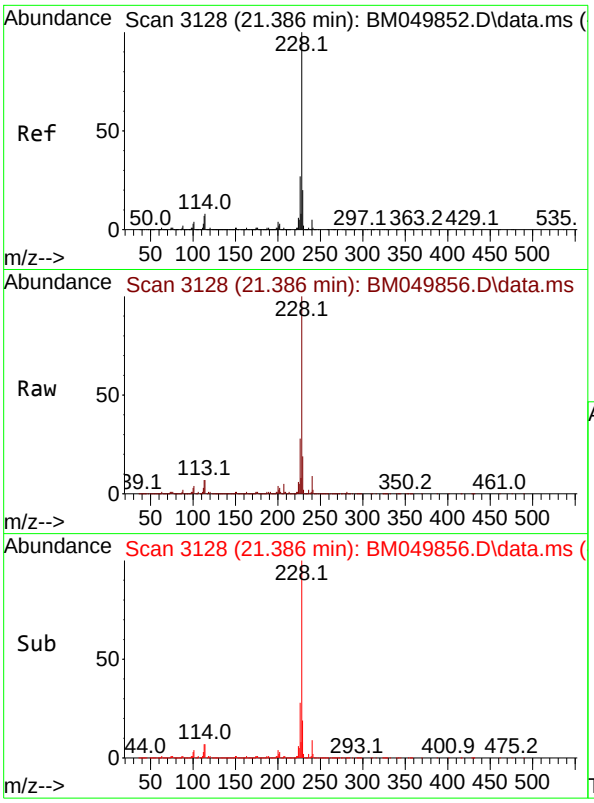


#80
Butylbenzylphthalate
Concen: 40.807 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1452887

Ion	Ratio	Lower	Upper
149	100		
91	60.4	50.9	76.3
206	23.6	18.4	27.6



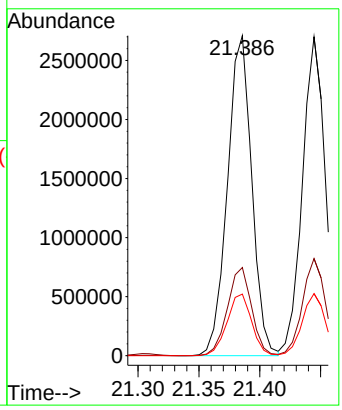


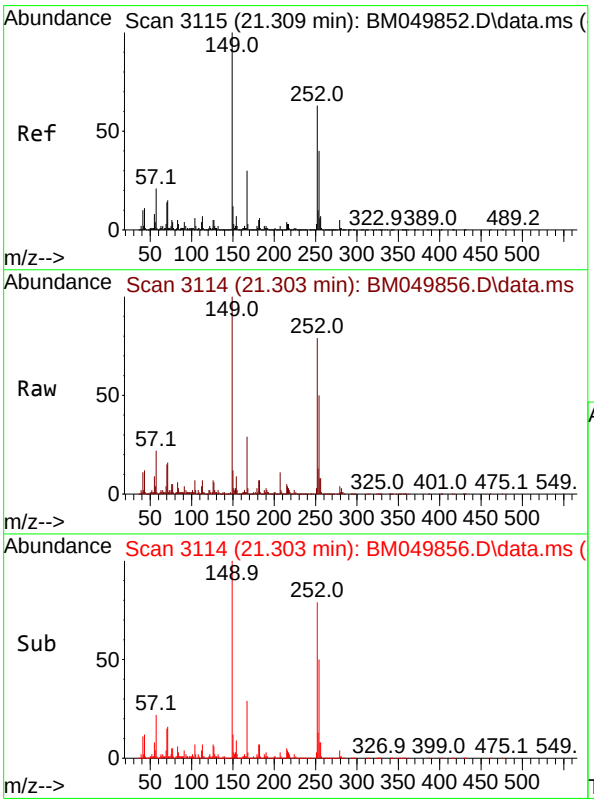
#81
Benzo(a)anthracene
Concen: 41.314 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3774940

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.3	15.8	23.8

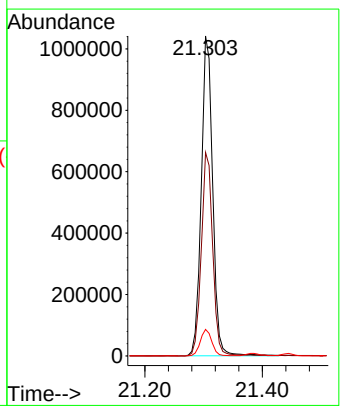


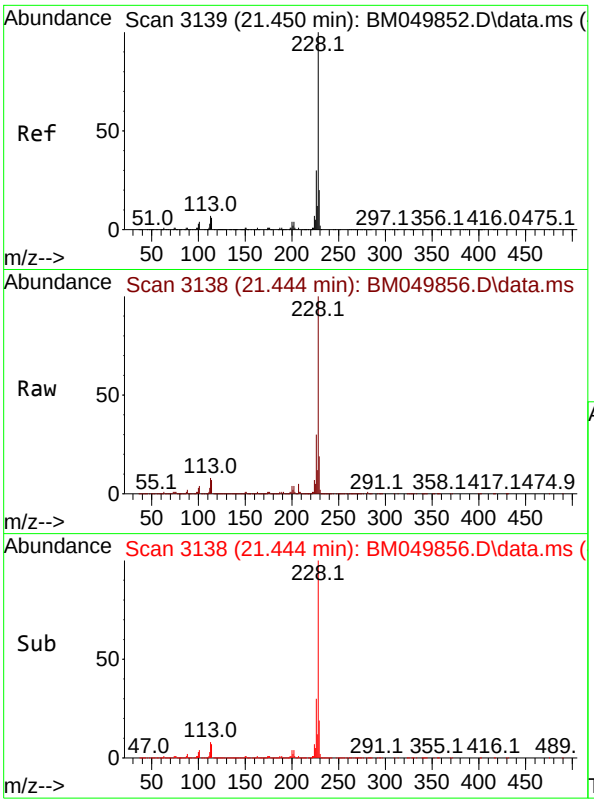


#82
3,3'-Dichlorobenzidine
Concen: 40.707 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 1404639

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	8.3	6.3	9.5



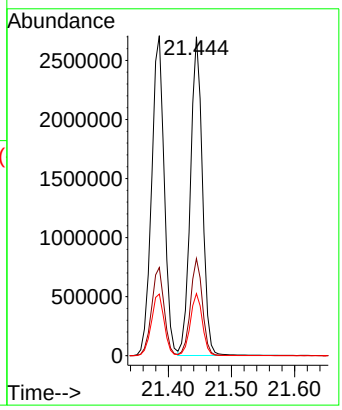


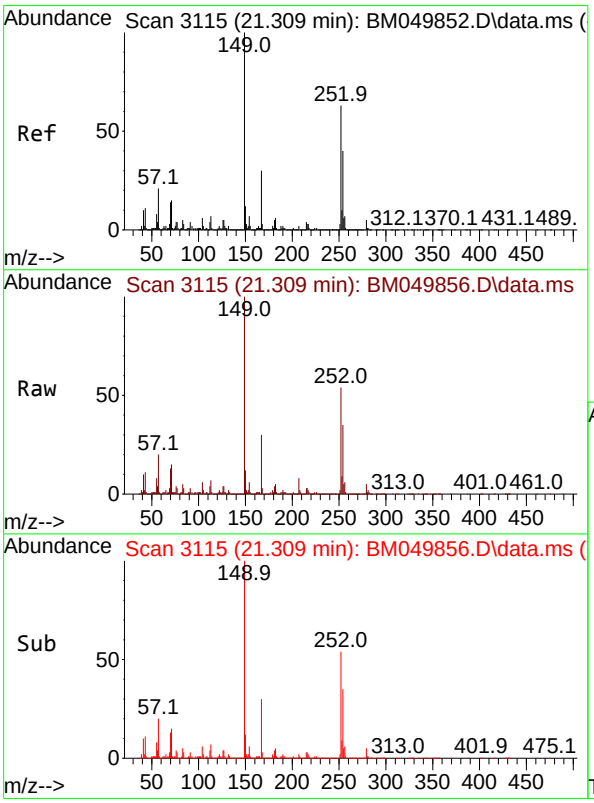
#83
Chrysene
Concen: 41.037 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3564842

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	19.5	15.8	23.6

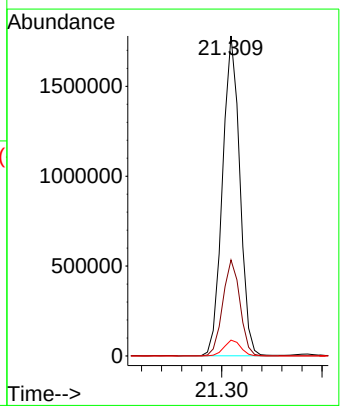


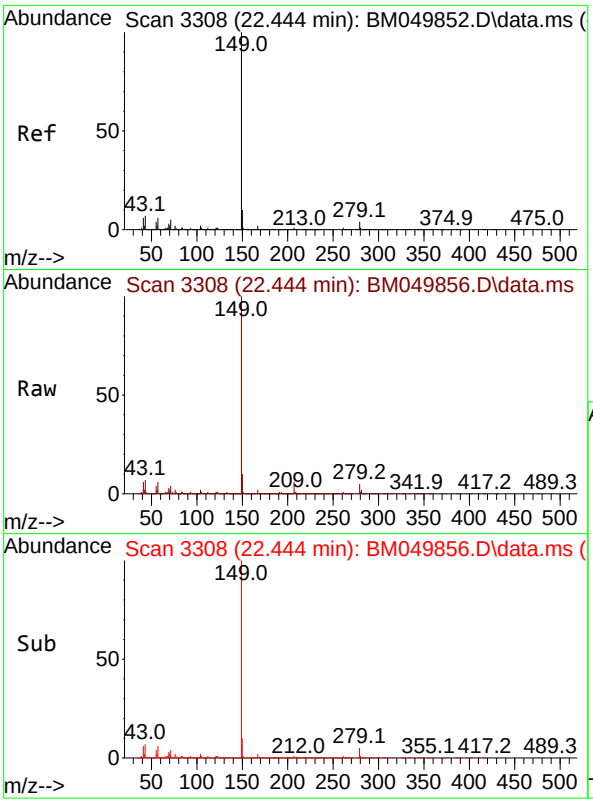


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.067 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 2130265

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.8	35.6
279	5.0	3.8	5.8



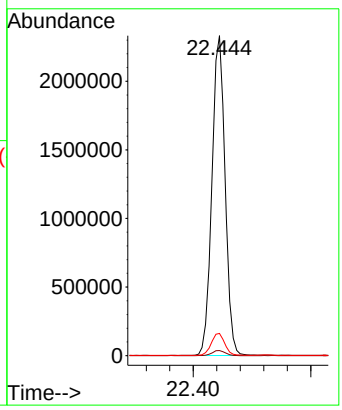


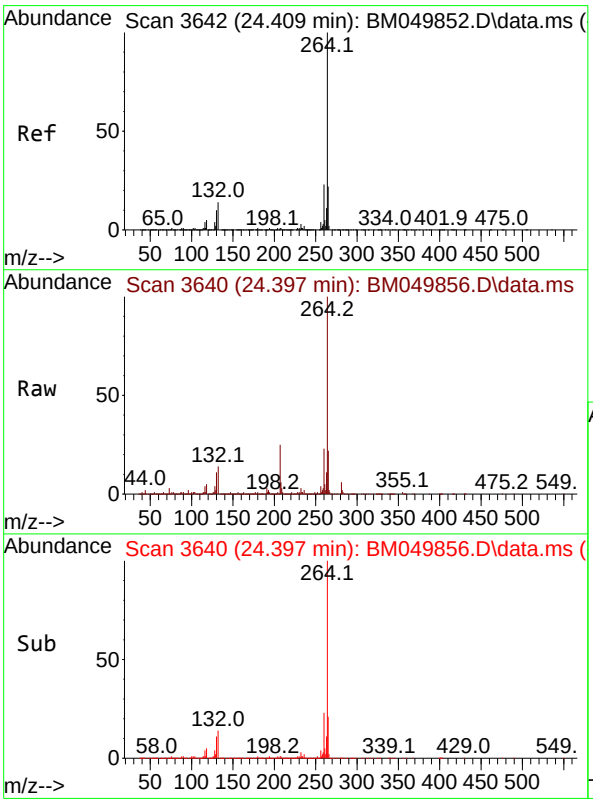
#85
Di-n-octyl phthalate
Concen: 39.835 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:149 Resp: 3614929

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

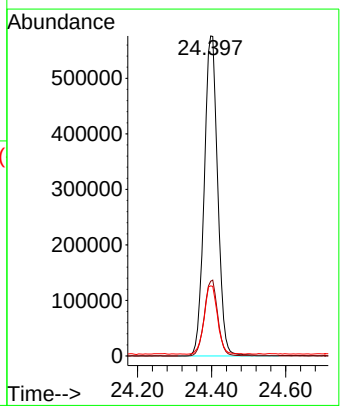


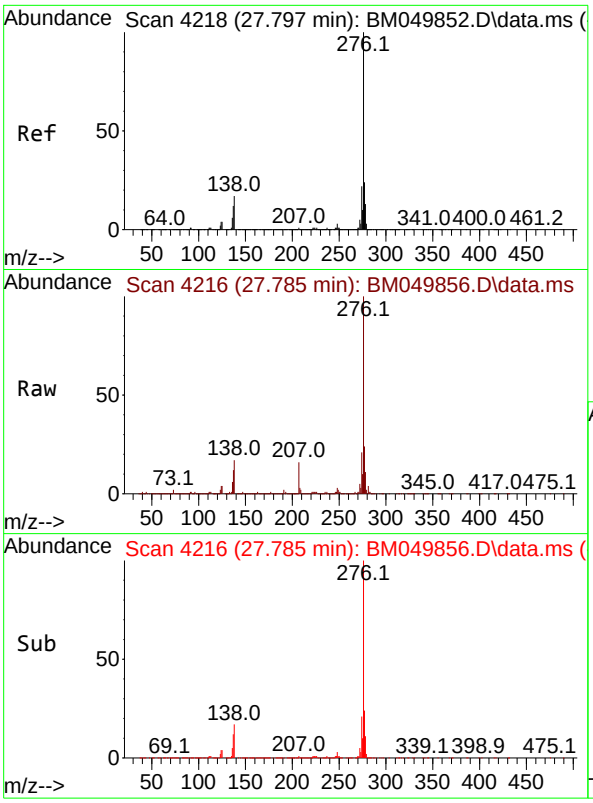


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:264 Resp: 1454417

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.8	26.8



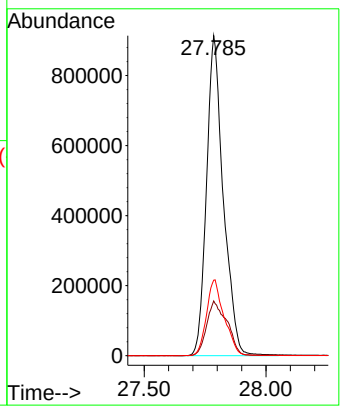


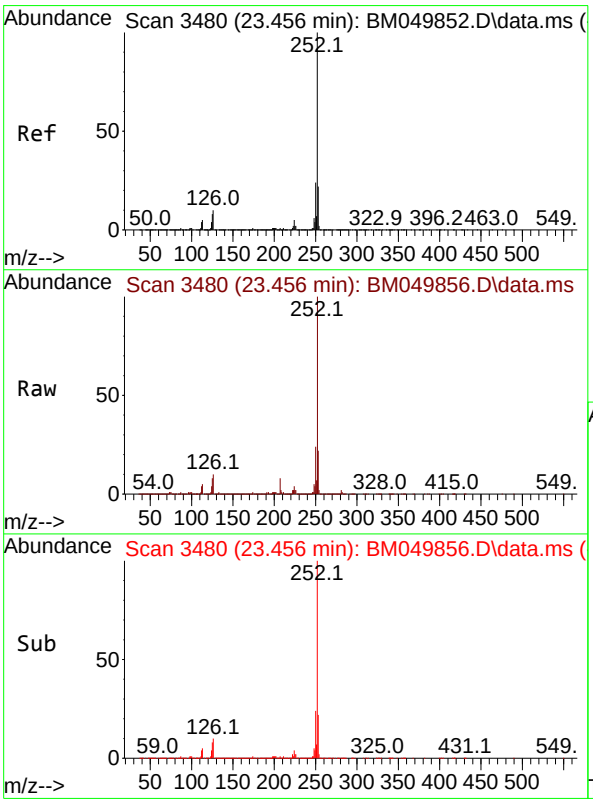
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.380 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:276 Resp: 4377775

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.8	25.2
277	25.0	20.1	30.1

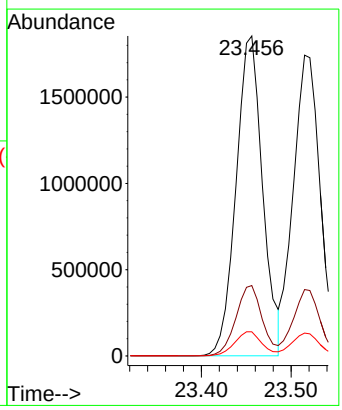


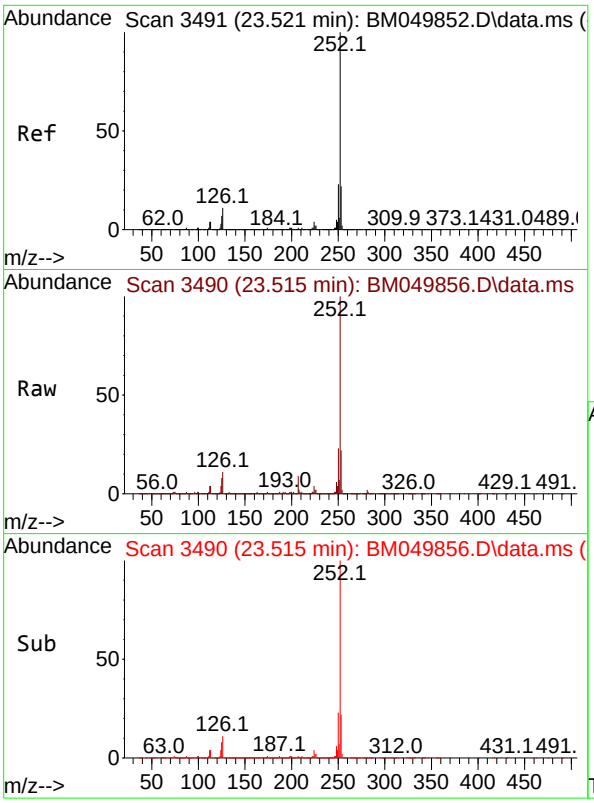


#88
Benzo(b)fluoranthene
Concen: 40.988 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3807278

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



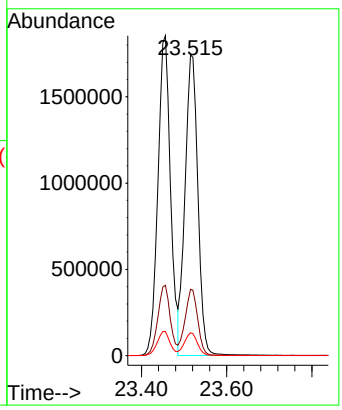


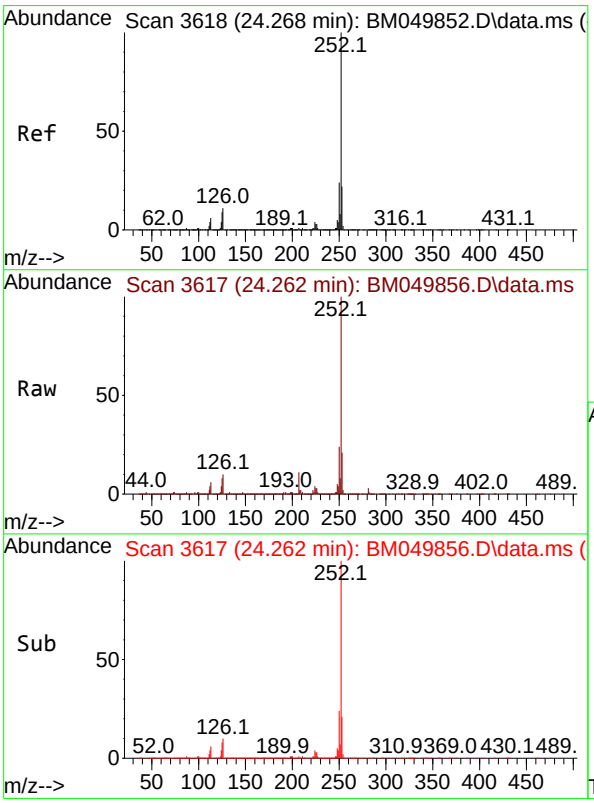
#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:252 Resp: 3640395

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.6	5.8	8.8

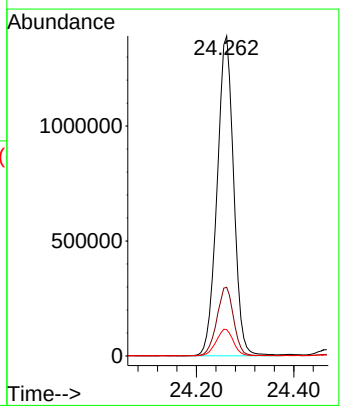


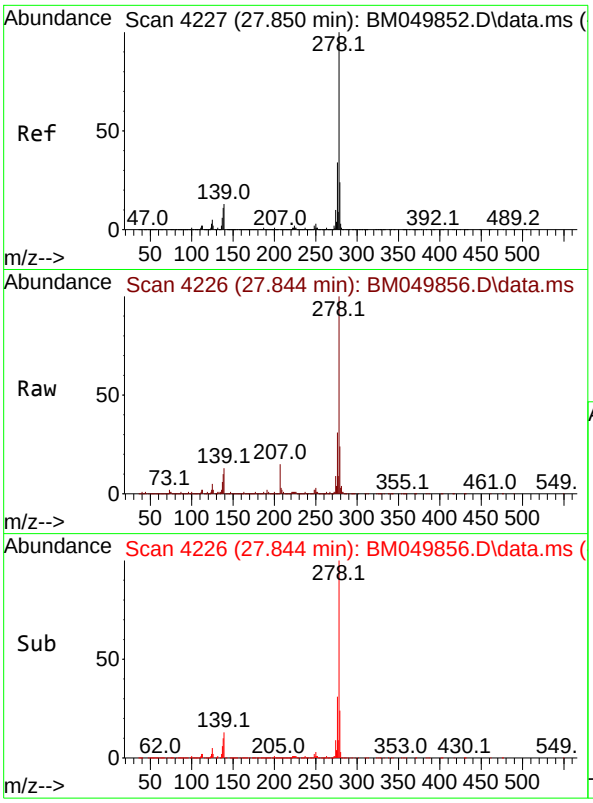


#90
Benzo(a)pyrene
Concen: 40.389 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3296735

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.3	7.0	10.4



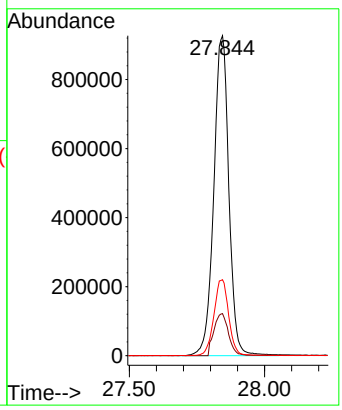


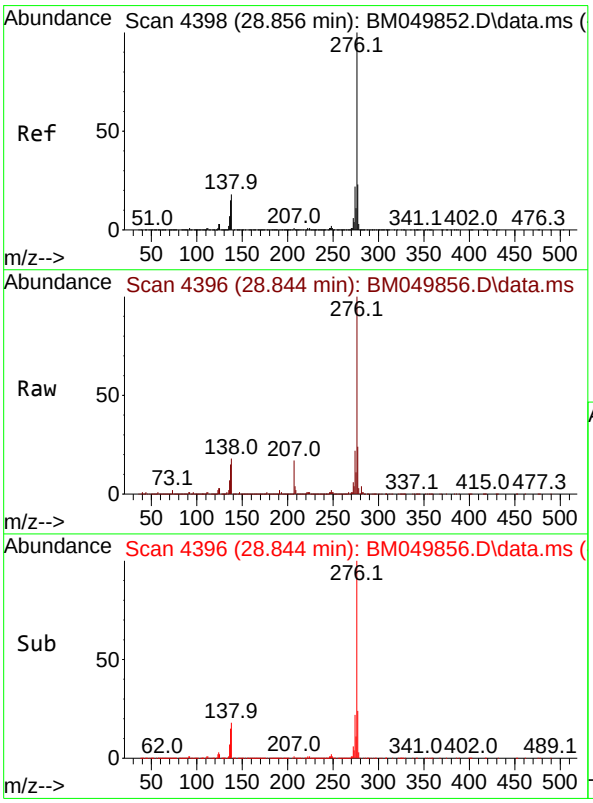
#91
Dibenzo(a,h)anthracene
Concen: 40.189 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:278 Resp: 3588859

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.7	19.1	28.7

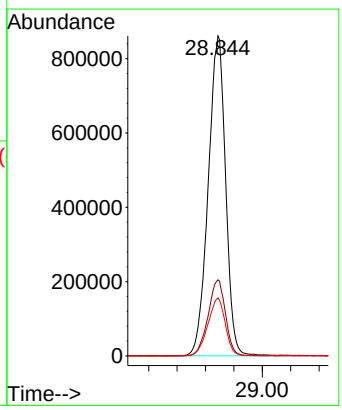




#92
Benzo(g,h,i)perylene
Concen: 40.085 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:276 Resp: 3657794

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	18.2	14.6	21.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.485	0.474	2.3	101	0.00
3		Pyridine	1.274	1.250	1.9	101	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	102	0.00
5	S	2-Fluorophenol	1.178	1.171	0.6	103	0.00
6		Aniline	1.256	1.307	-4.1	103	0.00
7	S	Phenol-d6	1.465	1.461	0.3	102	0.00
8		2-Chlorophenol	1.207	1.203	0.3	103	0.00
9		Benzaldehyde	0.752	0.759	-0.9	106	0.00
10	C	Phenol	1.430	1.420	0.7	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.118	0.3	103	0.00
12		1,3-Dichlorobenzene	1.427	1.423	0.3	103	0.00
13	C	1,4-Dichlorobenzene	1.436	1.424	0.8	102	0.00
14		1,2-Dichlorobenzene	1.352	1.356	-0.3	103	0.00
15		Benzyl Alcohol	0.923	0.929	-0.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.249	0.1	103	0.00
17		2-Methylphenol	0.881	0.883	-0.2	103	0.00
18		Hexachloroethane	0.500	0.496	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.833	-2.6	104	0.00
20		3+4-Methylphenols	1.201	1.205	-0.3	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.486	0.500	-2.9	104	0.00
23	S	Nitrobenzene-d5	0.359	0.371	-3.3	105	0.00
24		Nitrobenzene	0.346	0.352	-1.7	103	0.00
25		Isophorone	0.602	0.619	-2.8	104	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	104	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.412	-2.2	104	0.00
29	C	2,4-Dichlorophenol	0.345	0.356	-3.2	105	0.00
30		1,2,4-Trichlorobenzene	0.399	0.404	-1.3	104	0.00
31		Naphthalene	1.028	1.043	-1.5	104	0.00
32		Benzoic acid	0.220	0.258	-17.3	116	0.01
33		4-Chloroaniline	0.363	0.383	-5.5	104	0.00
34	C	Hexachlorobutadiene	0.247	0.251	-1.6	105	0.00
35		Caprolactam	0.099	0.103	-4.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.315	-4.3	106	0.00
37		2-Methylnaphthalene	0.724	0.745	-2.9	105	0.00
38		1-Methylnaphthalene	0.705	0.721	-2.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.712	-1.7	107	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.255	-4.1	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.304	-4.5	110	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.460	-3.4	106	0.00
44		2,4,5-Trichlorophenol	0.484	0.501	-3.5	106	0.00
45	S	2-Fluorobiphenyl	1.475	1.517	-2.8	106	0.00
46		1,1'-Biphenyl	1.487	1.527	-2.7	106	0.00
47		2-Chloronaphthalene	1.169	1.190	-1.8	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.283	-4.8	106	0.00
49		Acenaphthylene	1.702	1.758	-3.3	107	0.00
50		Dimethylphthalate	1.411	1.467	-4.0	108	0.00
51		2,6-Dinitrotoluene	0.296	0.315	-6.4	108	0.00
52	C	Acenaphthene	1.083	1.124	-3.8	107	0.00
53		3-Nitroaniline	0.286	0.315	-10.1	108	0.00
54	P	2,4-Dinitrophenol	0.175	0.191	-9.1	110	0.00
55		Dibenzofuran	1.810	1.882	-4.0	108	0.00
56	P	4-Nitrophenol	0.255	0.278	-9.0	109	0.00
57		2,4-Dinitrotoluene	0.394	0.430	-9.1	108	0.00
58		Fluorene	1.439	1.501	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.442	-4.2	110	0.00
60		Diethylphthalate	1.353	1.415	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	0.771	0.810	-5.1	109	0.00
62		4-Nitroaniline	0.295	0.325	-10.2	108	0.00
63		Azobenzene	1.158	1.213	-4.7	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.615	-2.7	108	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	109	0.00
68		Hexachlorobenzene	0.266	0.272	-2.3	109	0.00
69		Atrazine	0.155	0.128	17.4	108	0.00
70	C	Pentachlorophenol	0.196	0.199	-1.5	106	0.00
71		Phenanthrene	1.096	1.132	-3.3	109	0.00
72		Anthracene	1.081	1.121	-3.7	109	0.00
73		Carbazole	1.018	1.054	-3.5	109	0.00
74		Di-n-butylphthalate	1.172	1.194	-1.9	107	0.00
75	C	Fluoranthene	1.348	1.393	-3.3	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.265	0.251	5.3	67	0.00
78		Pyrene	1.378	1.429	-3.7	109	0.00
79	S	Terphenyl-d14	1.067	1.213	-13.7	110	0.00
80		Butylbenzylphthalate	0.518	0.528	-1.9	106	0.00
81		Benzo(a)anthracene	1.329	1.373	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	0.502	0.511	-1.8	105	0.00
83		Chrysene	1.264	1.296	-2.5	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.775	-2.6	106	0.00
85	c	Di-n-octyl phthalate	1.320	1.315	0.4	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.505	-0.9	105	-0.01
88		Benzo(b)fluoranthene	1.277	1.309	-2.5	105	0.00
89		Benzo(k)fluoranthene	1.238	1.251	-1.1	106	0.00
90	C	Benzo(a)pyrene	1.122	1.133	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.228	1.234	-0.5	104	0.00
92		Benzo(g,h,i)perylene	1.255	1.257	-0.2	105	-0.01

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	39.056	2.4	101	0.00
3		Pyridine	40.000	39.231	1.9	101	0.00
4		n-Nitrosodimethylamine	40.000	39.502	1.2	102	0.00
5	S	2-Fluorophenol	80.000	79.537	0.6	103	0.00
6		Aniline	40.000	41.621	-4.1	103	0.00
7	S	Phenol-d6	80.000	79.779	0.3	102	0.00
8		2-Chlorophenol	40.000	39.865	0.3	103	0.00
9		Benzaldehyde	40.000	40.391	-1.0	106	0.00
10	C	Phenol	40.000	39.708	0.7	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.877	0.3	103	0.00
12		1,3-Dichlorobenzene	40.000	39.874	0.3	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.681	0.8	102	0.00
14		1,2-Dichlorobenzene	40.000	40.092	-0.2	103	0.00
15		Benzyl Alcohol	40.000	40.260	-0.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.960	0.1	103	0.00
17		2-Methylphenol	40.000	40.092	-0.2	103	0.00
18		Hexachloroethane	40.000	39.677	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.040	-2.6	104	0.00
20		3+4-Methylphenols	40.000	40.132	-0.3	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	41.119	-2.8	104	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	105	0.00
24		Nitrobenzene	40.000	40.732	-1.8	103	0.00
25		Isophorone	40.000	41.165	-2.9	104	0.00
26	C	2-Nitrophenol	40.000	41.481	-3.7	104	0.00
27		2,4-Dimethylphenol	40.000	41.022	-2.6	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.868	-2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.249	-3.1	105	0.00
30		1,2,4-Trichlorobenzene	40.000	40.409	-1.0	104	0.00
31		Naphthalene	40.000	40.582	-1.5	104	0.00
32		Benzoic acid	40.000	41.427	-3.6	116	0.01
33		4-Chloroaniline	40.000	42.177	-5.4	104	0.00
34	C	Hexachlorobutadiene	40.000	40.688	-1.7	105	0.00
35		Caprolactam	40.000	41.519	-3.8	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.604	-4.0	106	0.00
37		2-Methylnaphthalene	40.000	41.181	-3.0	105	0.00
38		1-Methylnaphthalene	40.000	40.865	-2.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.724	-1.8	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.571	-3.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.550	-4.4	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.361	-3.4	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.410	-3.5	106	0.00
45	S	2-Fluorobiphenyl	80.000	82.271	-2.8	106	0.00
46		1,1'-Biphenyl	40.000	41.097	-2.7	106	0.00
47		2-Chloronaphthalene	40.000	40.719	-1.8	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	41.831	-4.6	106	0.00
49		Acenaphthylene	40.000	41.321	-3.3	107	0.00
50		Dimethylphthalate	40.000	41.593	-4.0	108	0.00
51		2,6-Dinitrotoluene	40.000	42.625	-6.6	108	0.00
52	C	Acenaphthene	40.000	41.534	-3.8	107	0.00
53		3-Nitroaniline	40.000	44.041	-10.1	108	0.00
54	P	2,4-Dinitrophenol	40.000	39.689	0.8	110	0.00
55		Dibenzofuran	40.000	41.581	-4.0	108	0.00
56	P	4-Nitrophenol	40.000	43.685	-9.2	109	0.00
57		2,4-Dinitrotoluene	40.000	43.627	-9.1	108	0.00
58		Fluorene	40.000	41.729	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	110	0.00
60		Diethylphthalate	40.000	41.839	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.984	-5.0	109	0.00
62		4-Nitroaniline	40.000	44.058	-10.1	108	0.00
63		Azobenzene	40.000	41.869	-4.7	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.037	-2.6	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.081	-2.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	41.024	-2.6	109	0.00
68		Hexachlorobenzene	40.000	40.782	-2.0	109	0.00
69		Atrazine	40.000	32.937	17.7	108	0.00
70	C	Pentachlorophenol	40.000	40.626	-1.6	106	0.00
71		Phenanthrene	40.000	41.280	-3.2	109	0.00
72		Anthracene	40.000	41.490	-3.7	109	0.00
73		Carbazole	40.000	41.424	-3.6	109	0.00
74		Di-n-butylphthalate	40.000	40.739	-1.8	107	0.00
75	C	Fluoranthene	40.000	41.327	-3.3	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	37.866	5.3	67	0.00
78		Pyrene	40.000	41.482	-3.7	109	0.00
79	S	Terphenyl-d14	80.000	90.949	-13.7	110	0.00
80		Butylbenzylphthalate	40.000	40.807	-2.0	106	0.00
81		Benzo(a)anthracene	40.000	41.314	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.707	-1.8	105	0.00
83		Chrysene	40.000	41.037	-2.6	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.067	-2.7	106	0.00
85	c	Di-n-octyl phthalate	40.000	39.835	0.4	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.380	-1.0	105	-0.01
88		Benzo(b)fluoranthene	40.000	40.988	-2.5	105	0.00
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	106	0.00
90	C	Benzo(a)pyrene	40.000	40.389	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.189	-0.5	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.085	-0.2	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

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

Response Factor Report MSBNA_P

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)

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

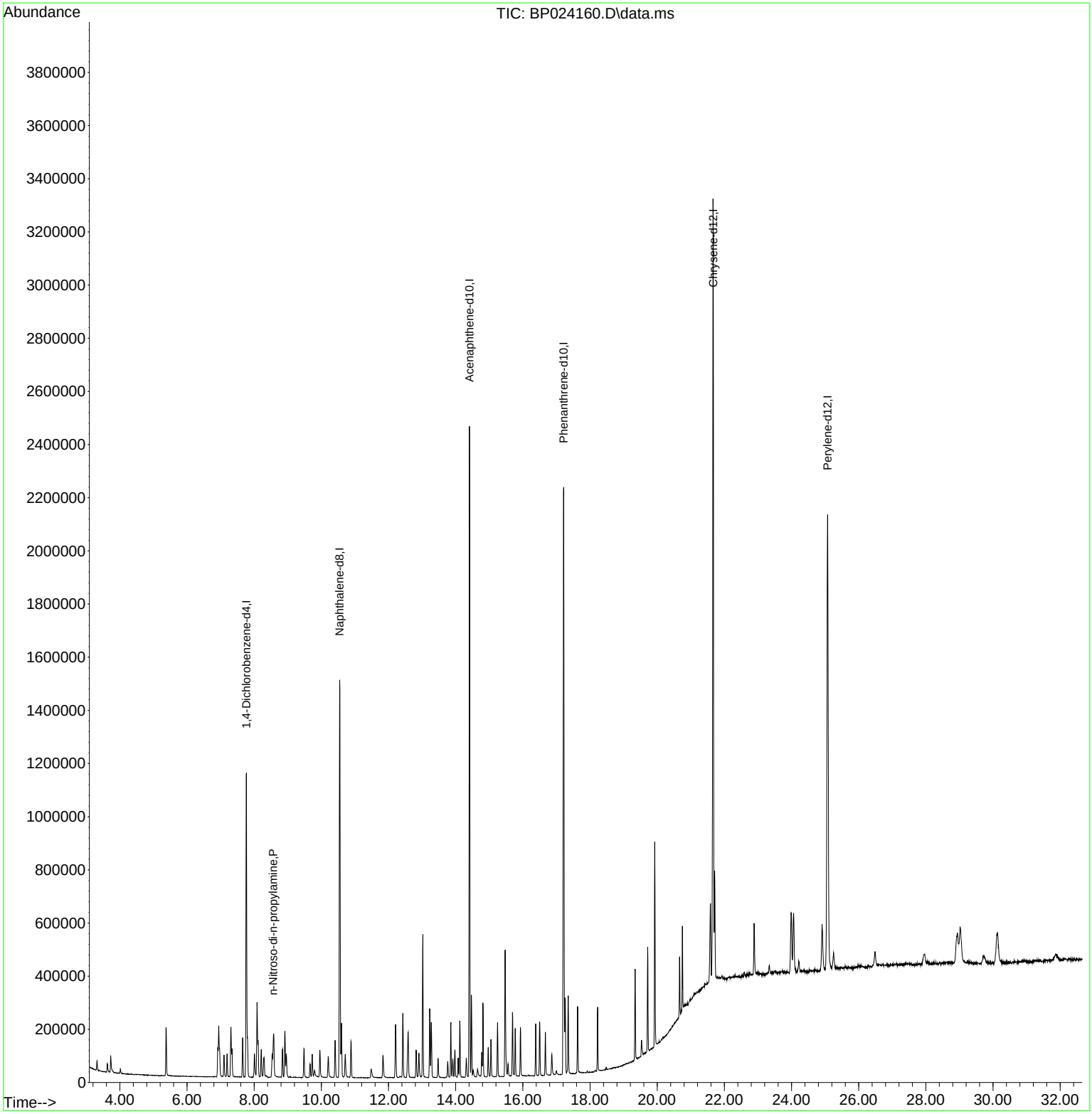
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	323931	20.000	ng	0.00
21) Naphthalene-d8	10.546	136	1324397	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	805172	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1551813	20.000	ng	0.01
76) Chrysene-d12	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

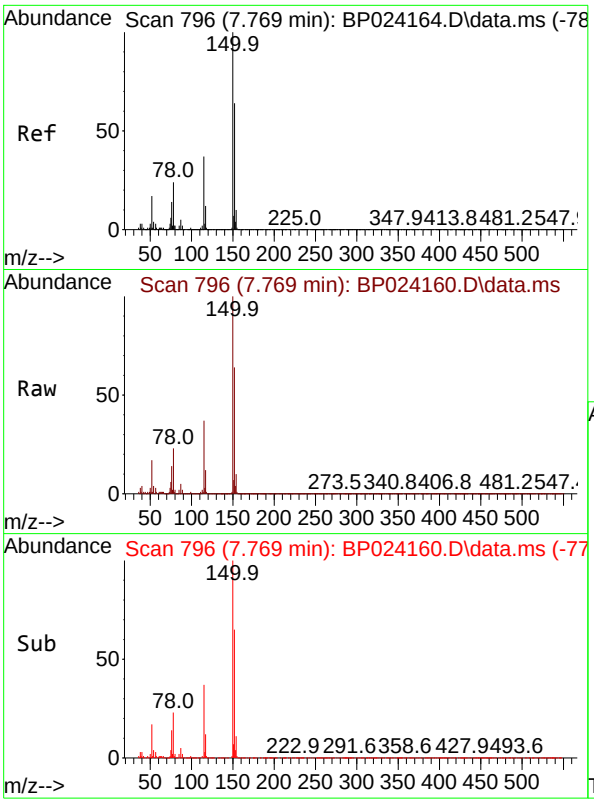
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



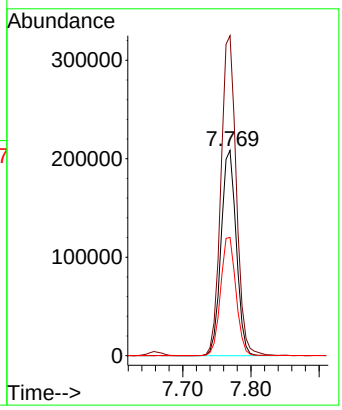


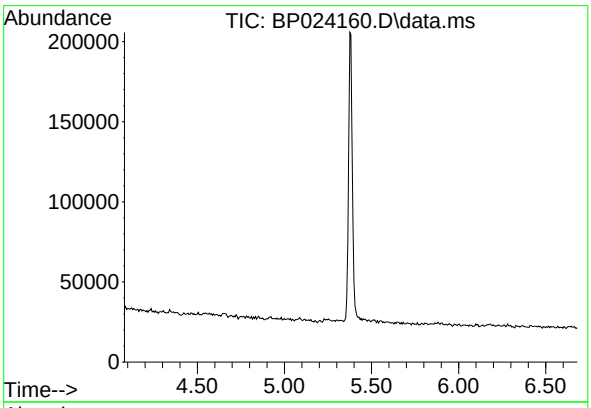
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



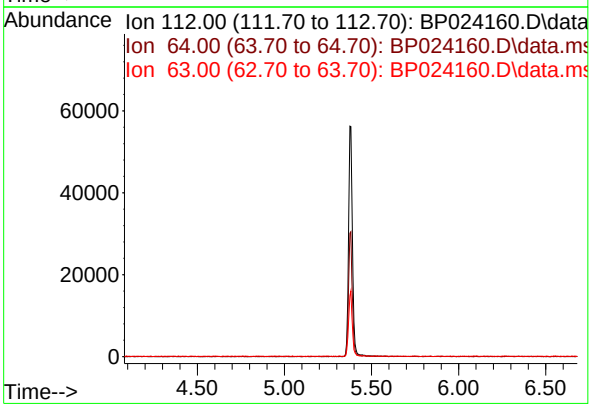


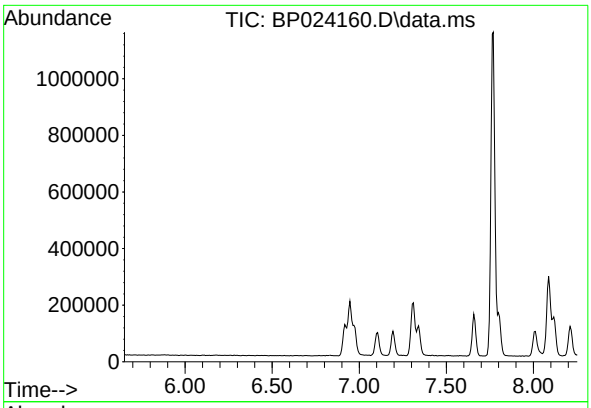
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.38 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.6
63	25.8





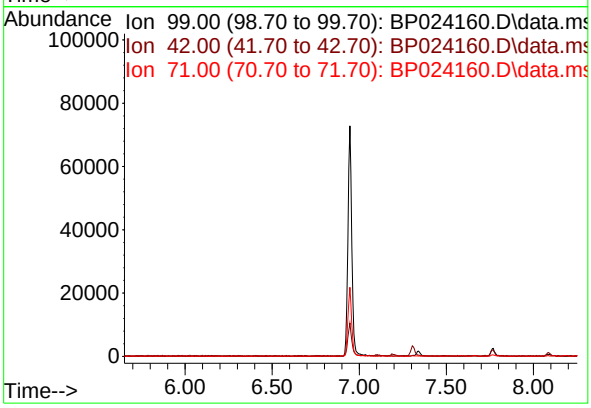
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

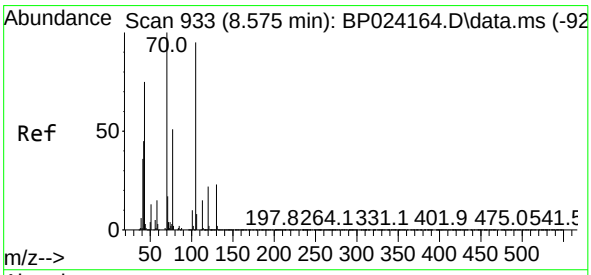
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

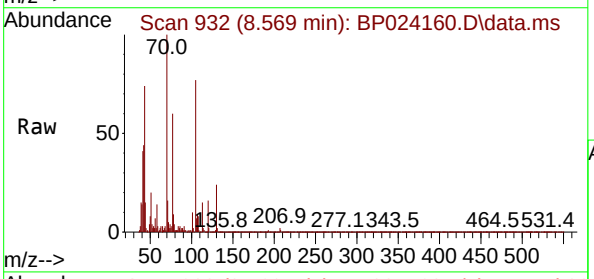
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

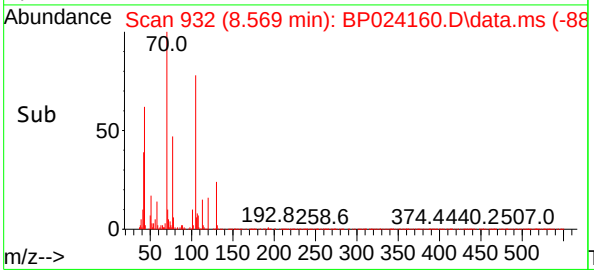
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	13.3
71	29.1





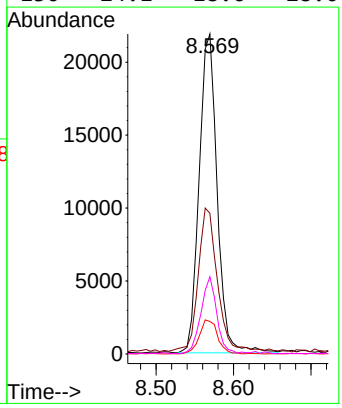


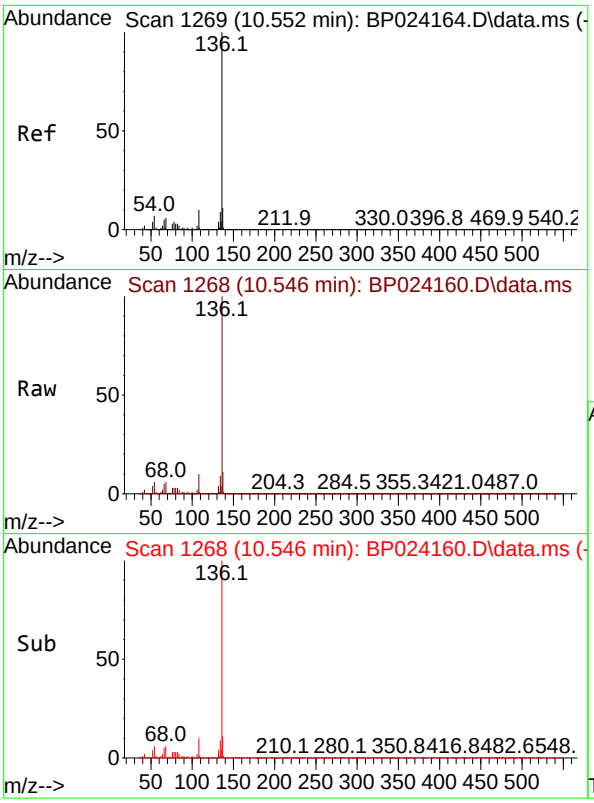


#19
n-Nitroso-di-n-propylamine
Concen: 2.454 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



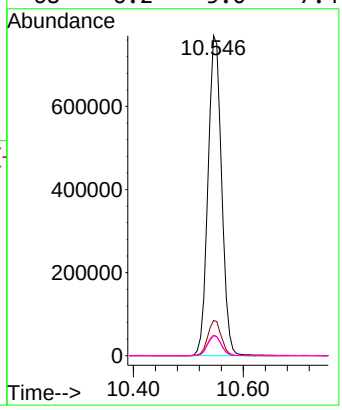


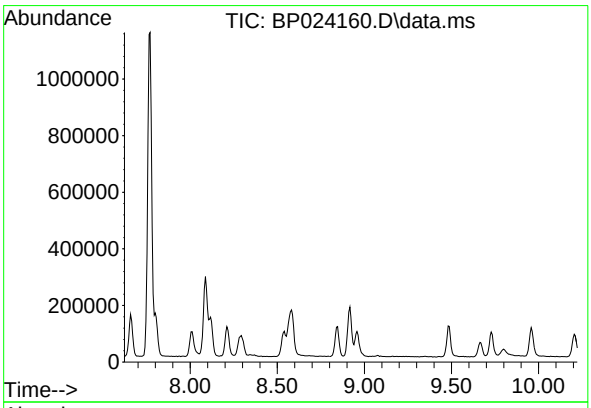
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



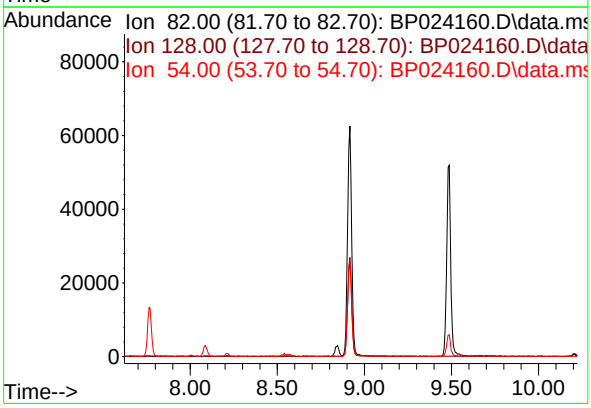


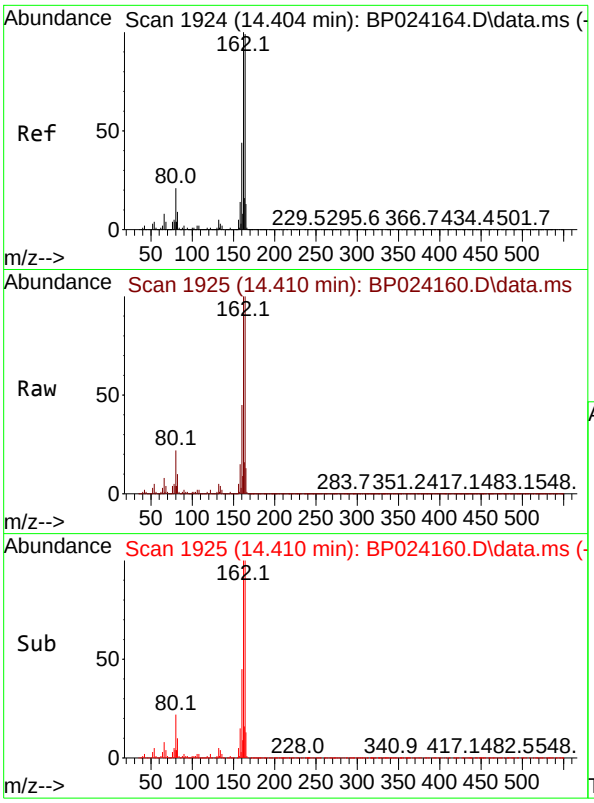
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.92 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.7
54	40.6



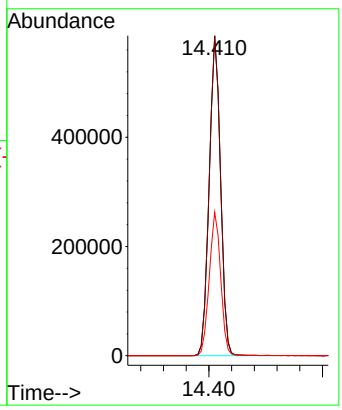


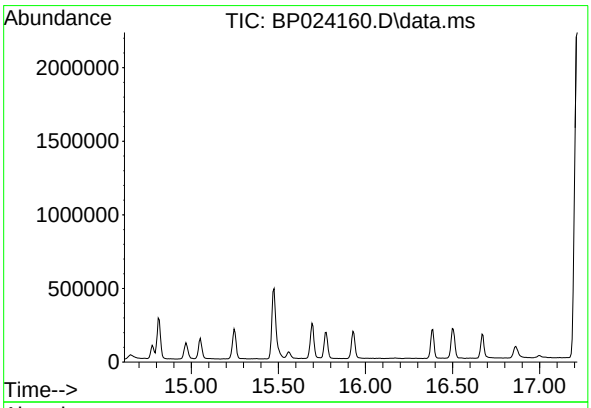
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



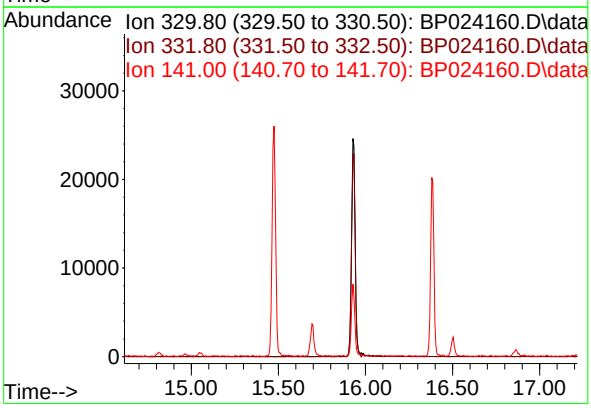


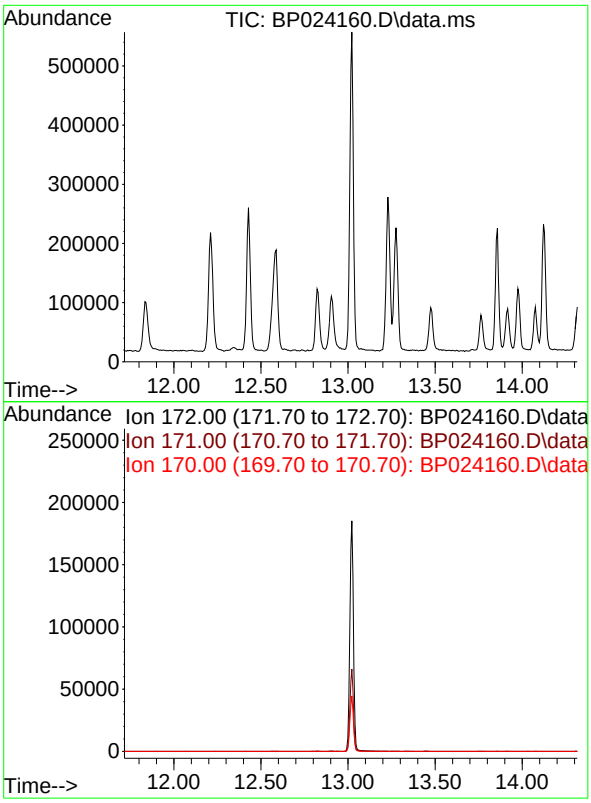
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.92 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	31.3





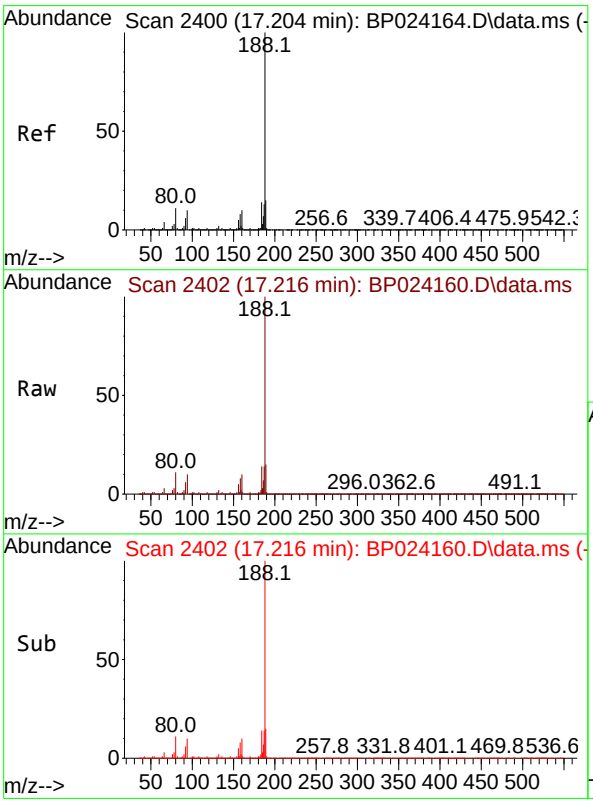
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

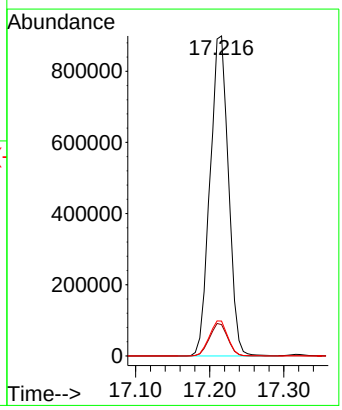
Sig	Exp Ratio
172	100
171	35.4
170	23.7

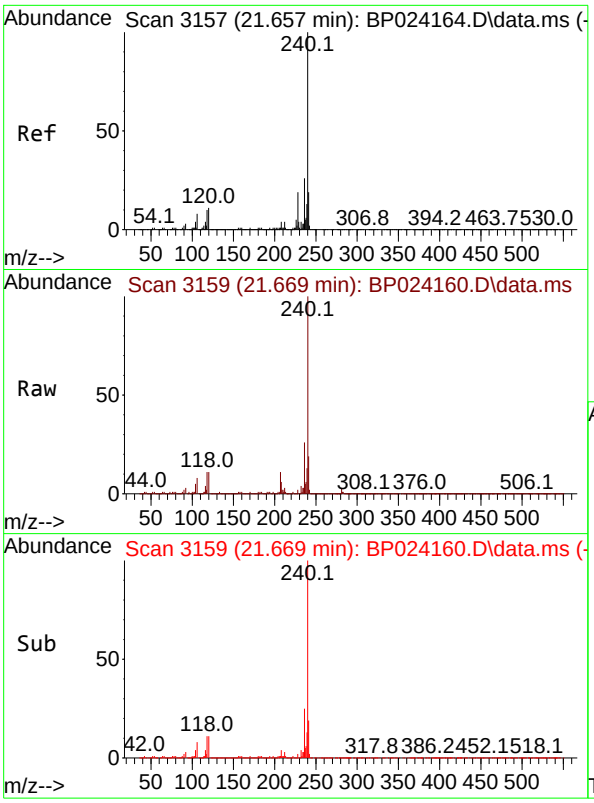


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



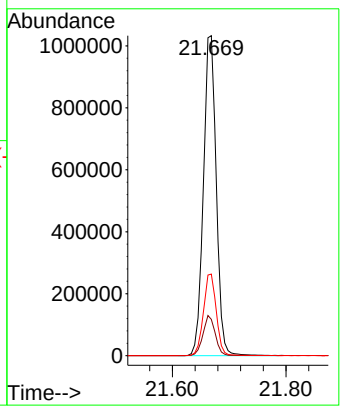


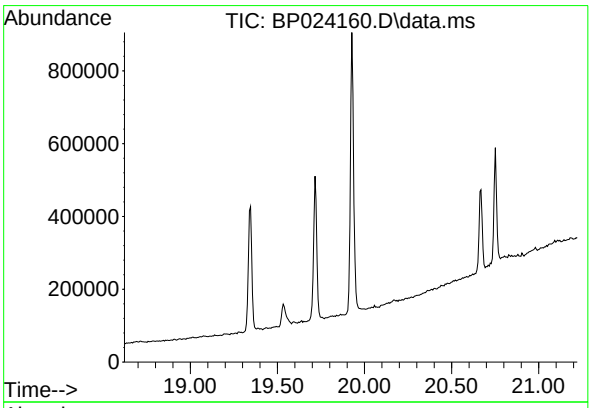
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



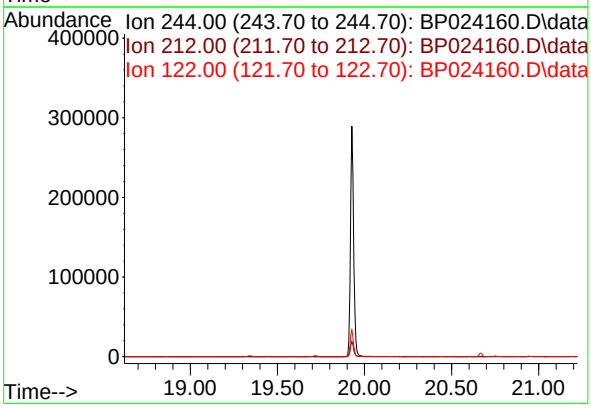


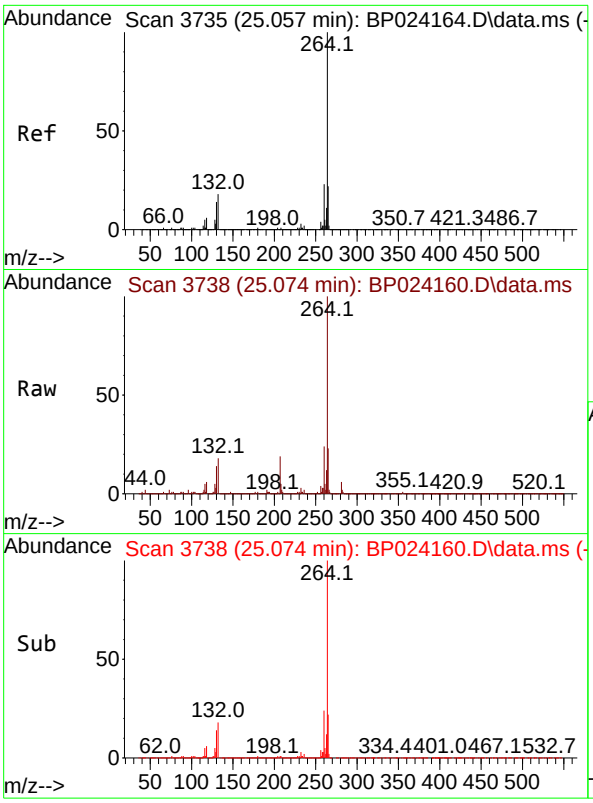
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	12.0



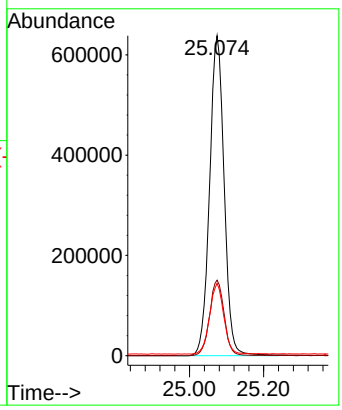


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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



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

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

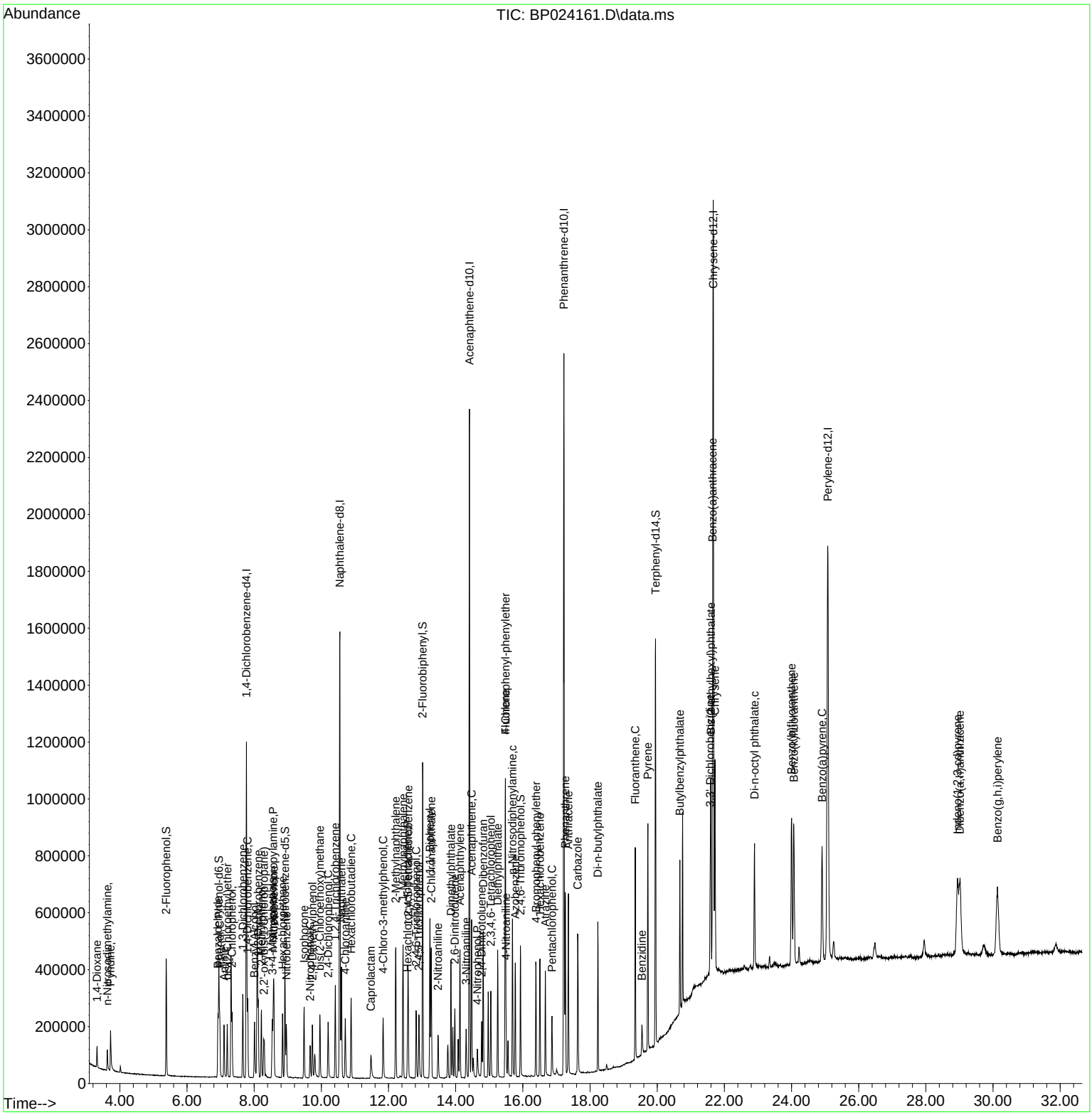
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.234	154	293289	4.721	ng	98
47) 2-Chloronaphthalene	13.275	162	221413	4.715	ng	98
48) 2-Nitroaniline	13.475	65	45667	4.117	ng	88
49) Acenaphthylene	14.128	152	316902	4.580	ng	99
50) Dimethylphthalate	13.857	163	270053	4.789	ng	100
51) 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

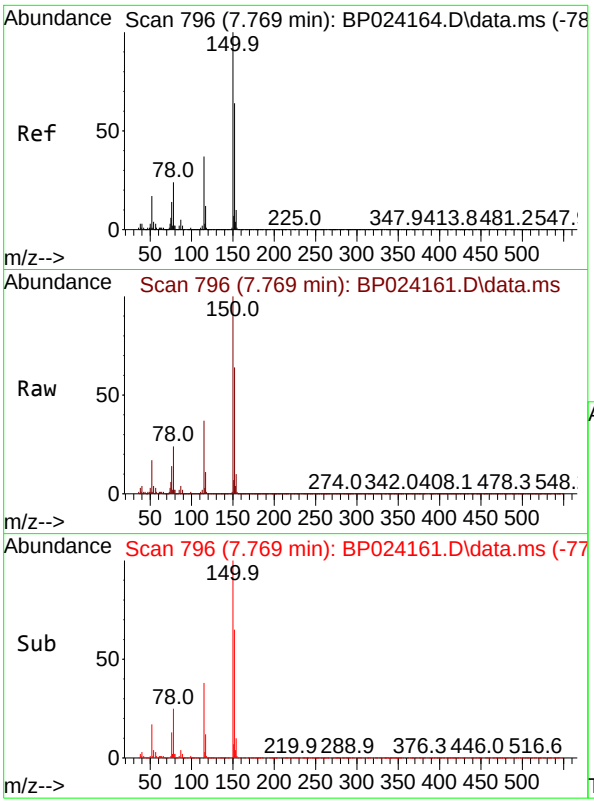
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



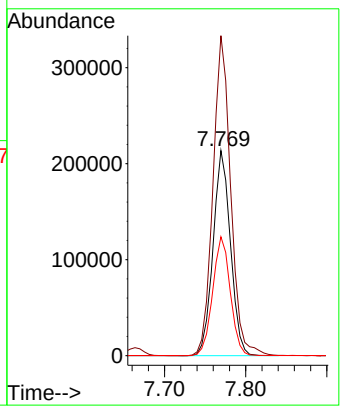


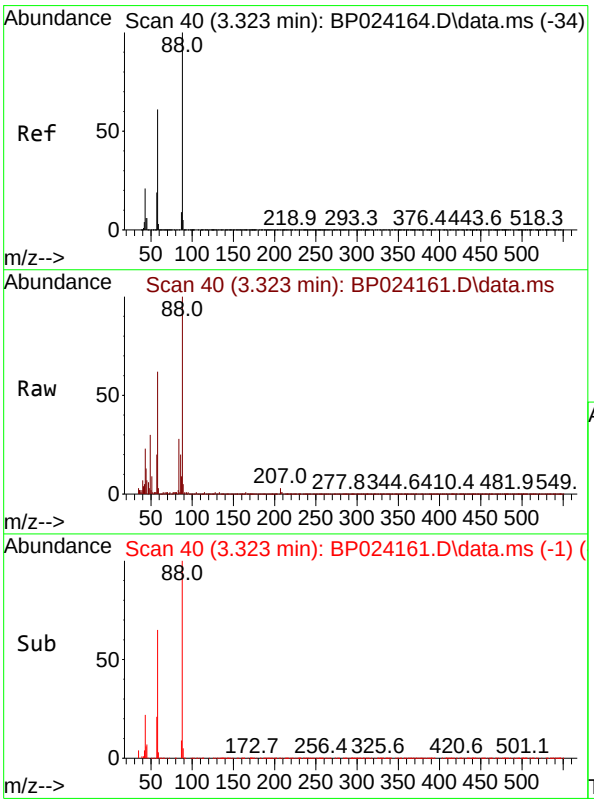
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

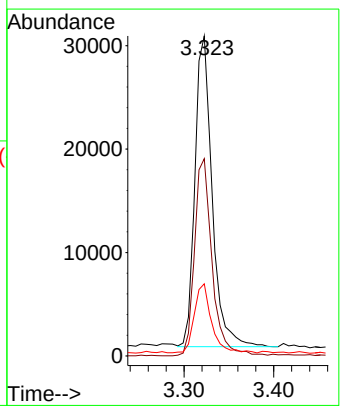


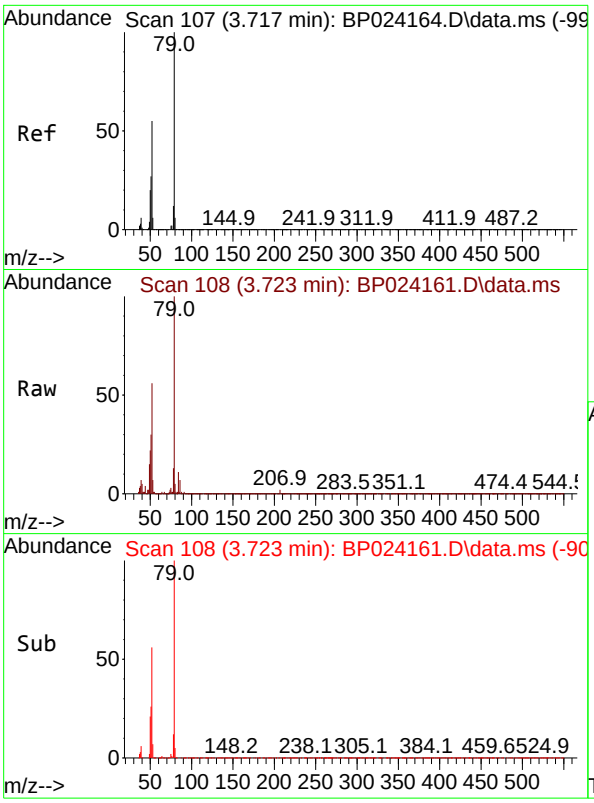


#2
1,4-Dioxane
Concen: 5.003 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



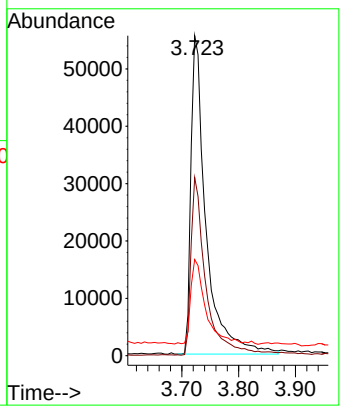


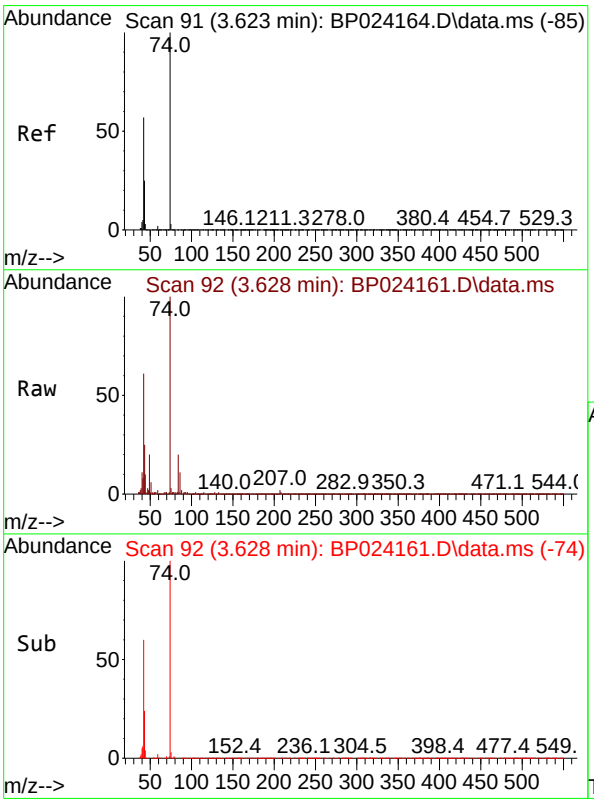
#3
Pyridine
Concen: 4.956 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

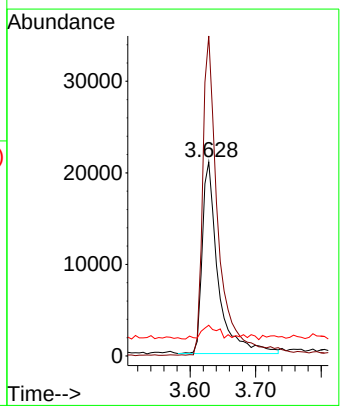


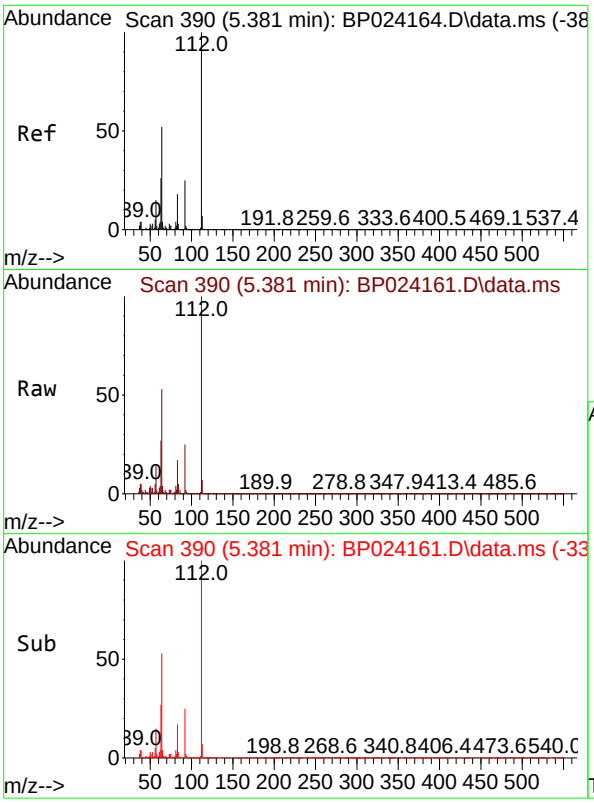


#4
n-Nitrosodimethylamine
Concen: 4.788 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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#



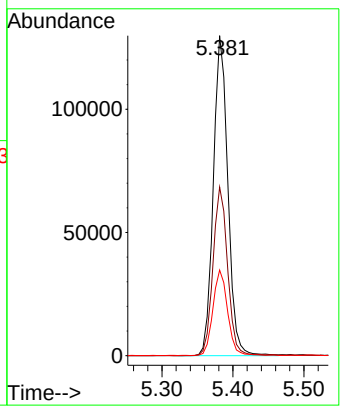


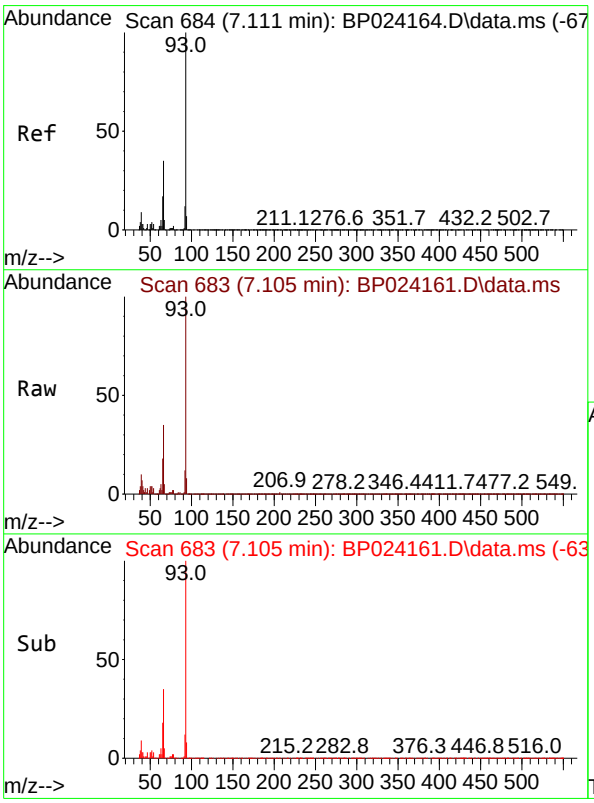
#5
2-Fluorophenol
Concen: 9.032 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

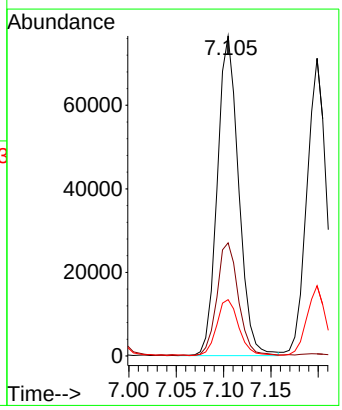


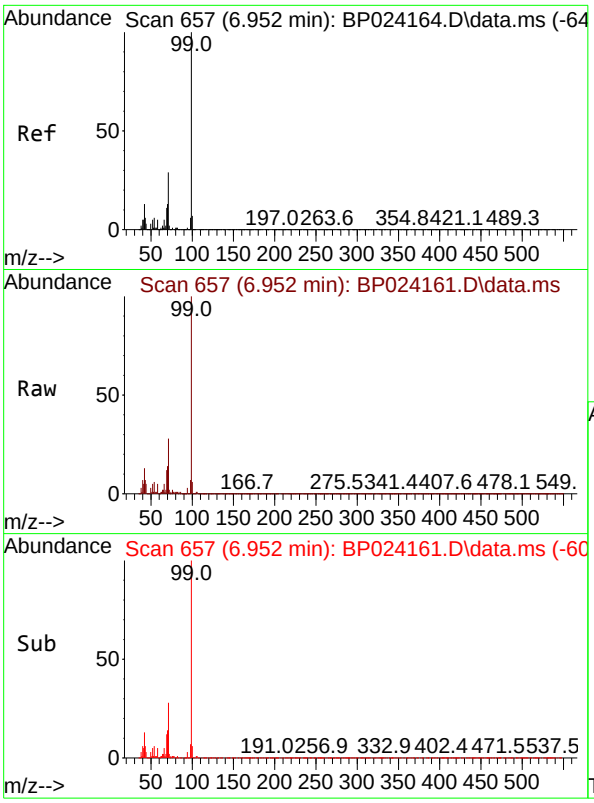


#6
Aniline
Concen: 4.998 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



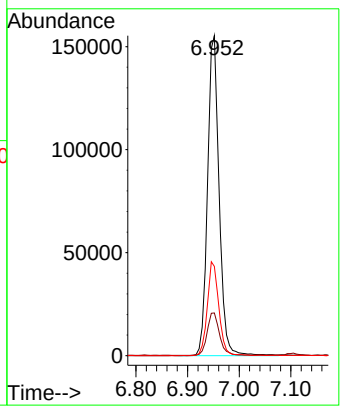


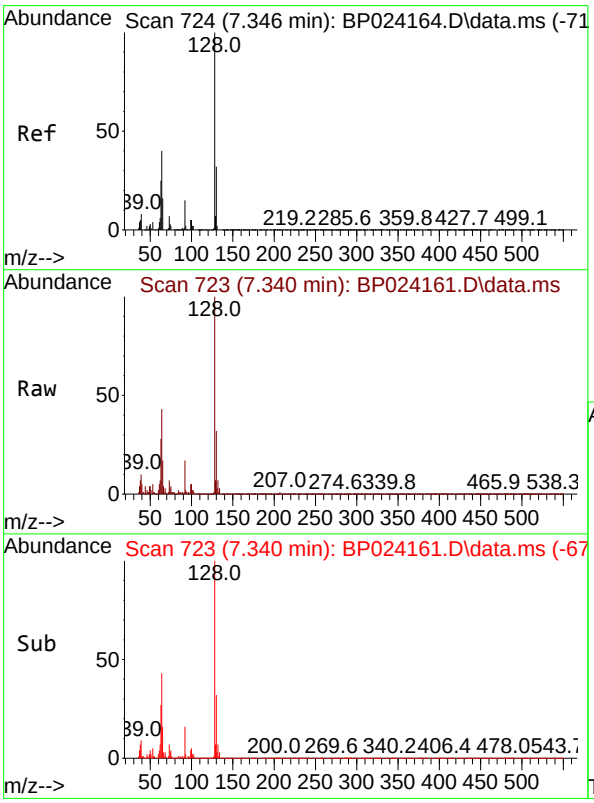
#7
Phenol-d6
Concen: 9.213 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

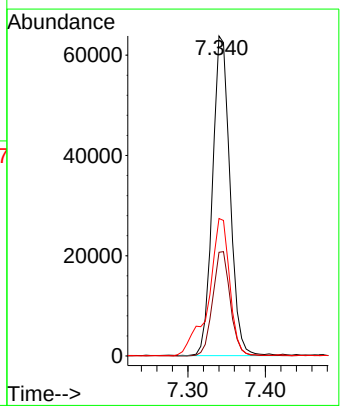


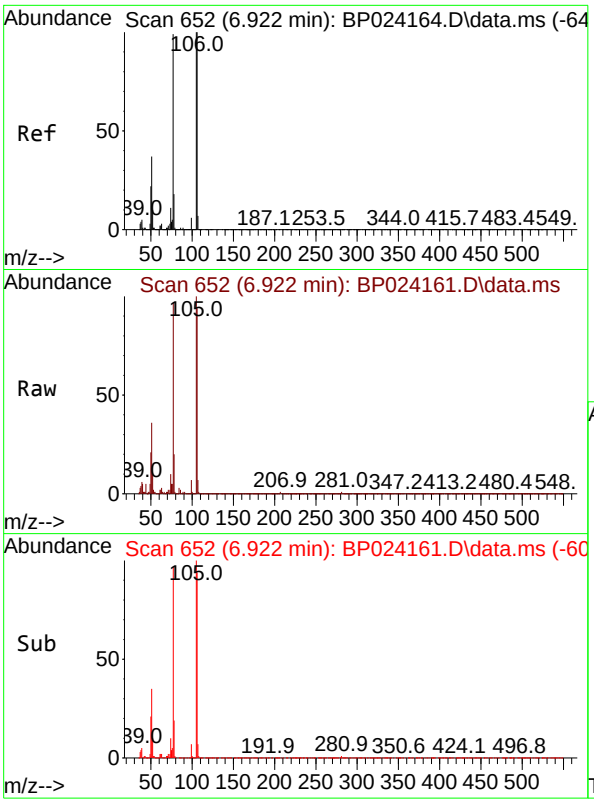


#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



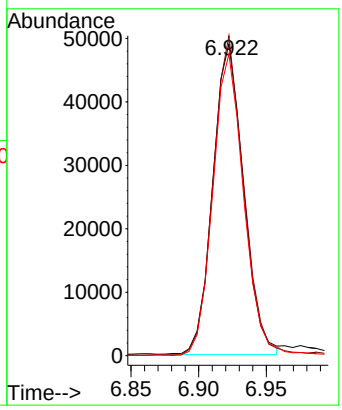


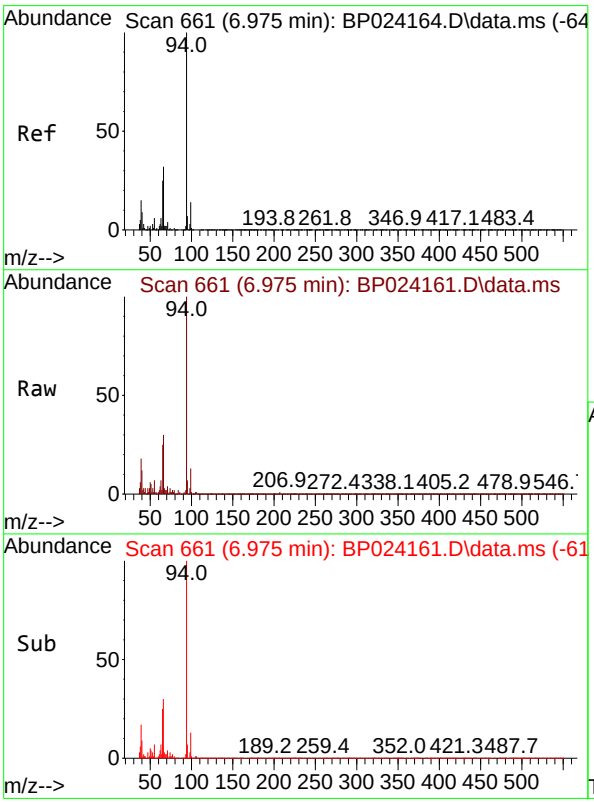
#9
Benzaldehyde
Concen: 6.456 ng m
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

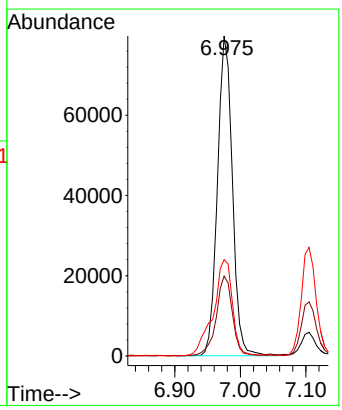


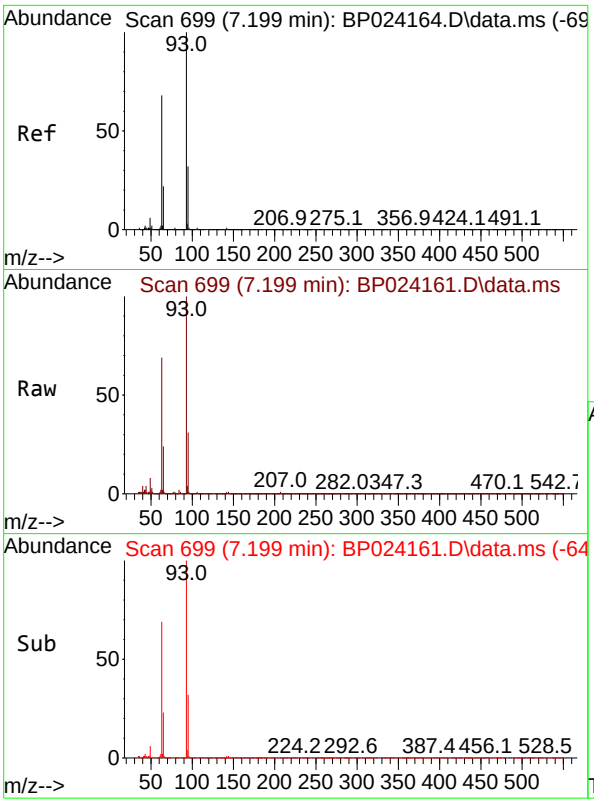


#10
Phenol
Concen: 4.767 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



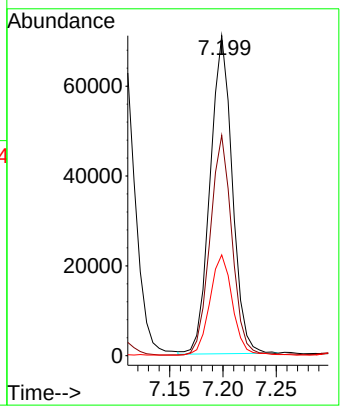


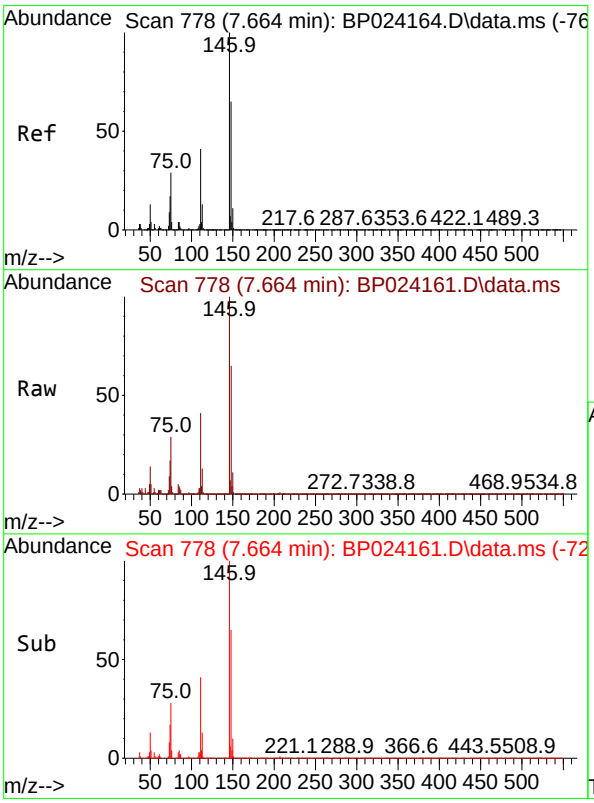
#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

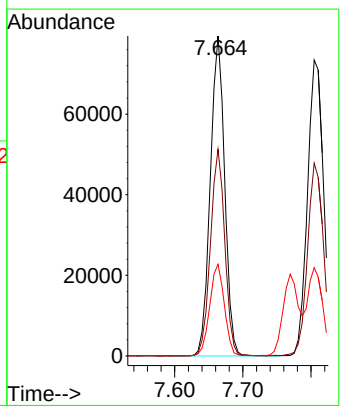


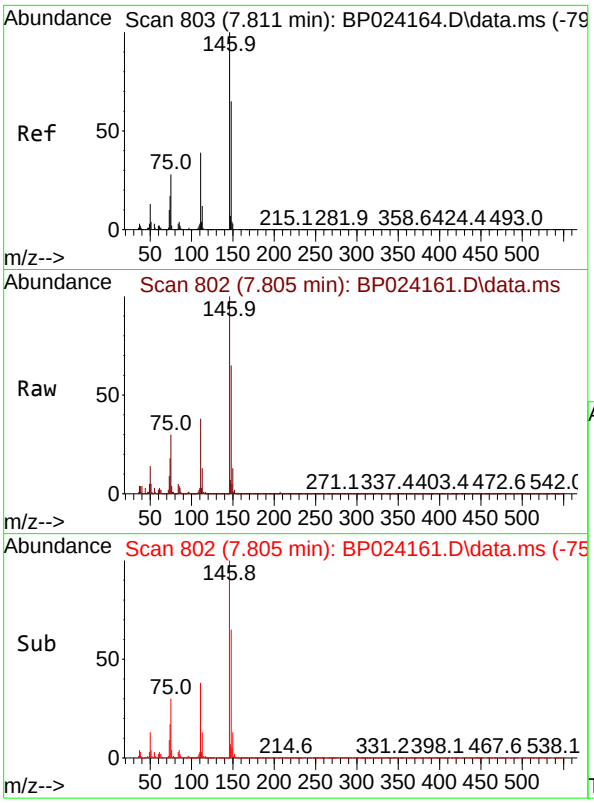


#12
1,3-Dichlorobenzene
Concen: 4.917 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



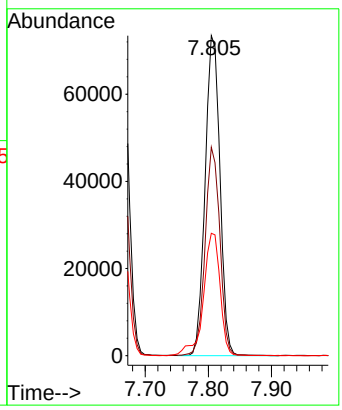


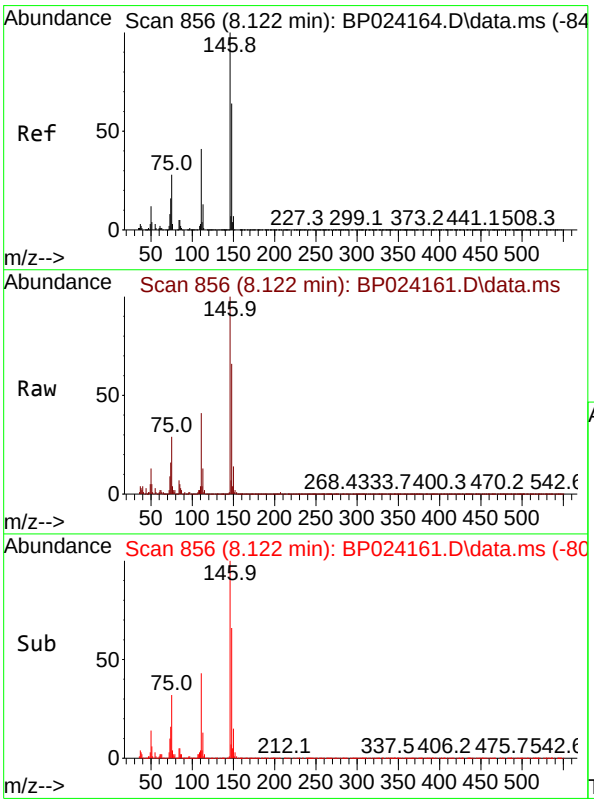
#13
1,4-Dichlorobenzene
Concen: 4.998 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

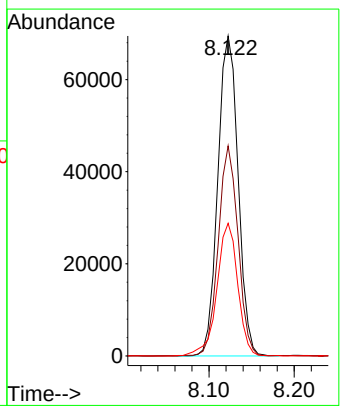


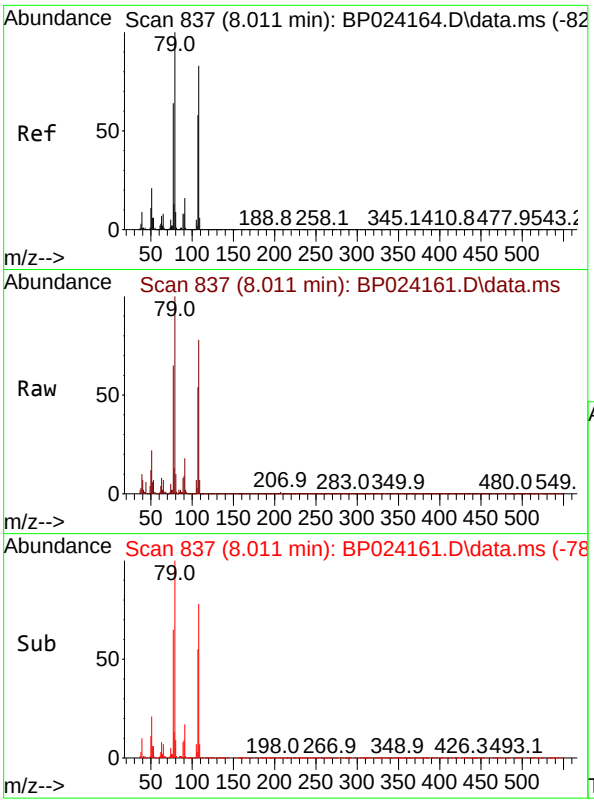


#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



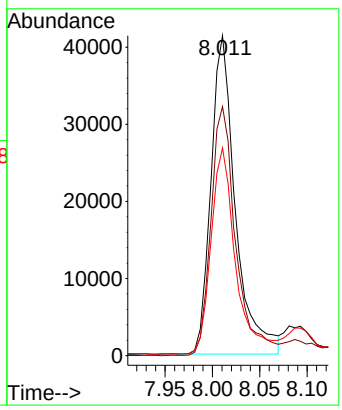


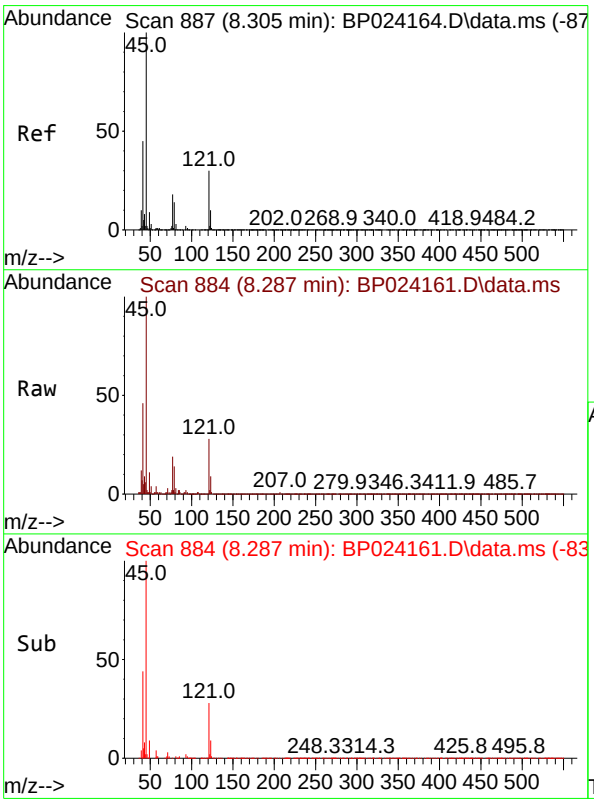
#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

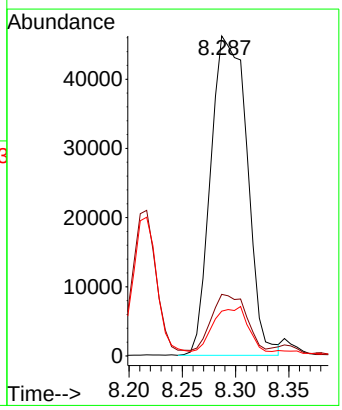


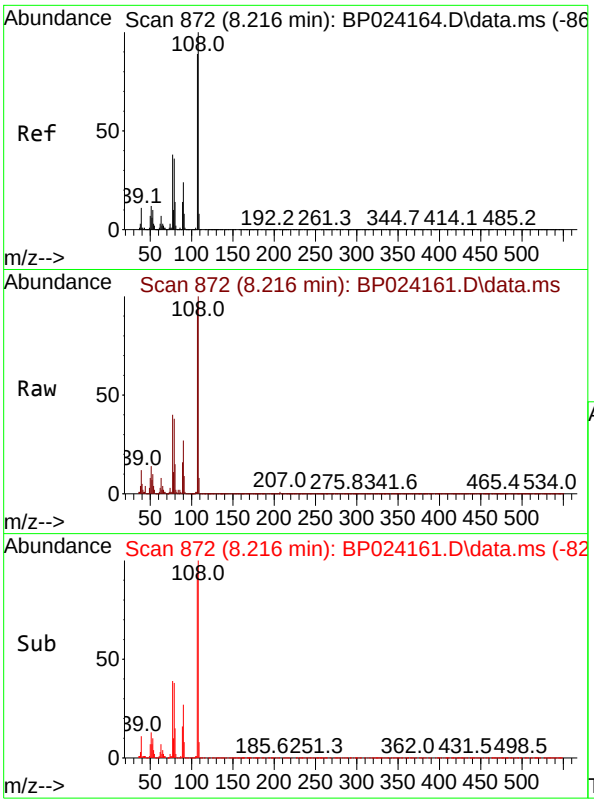


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.422 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



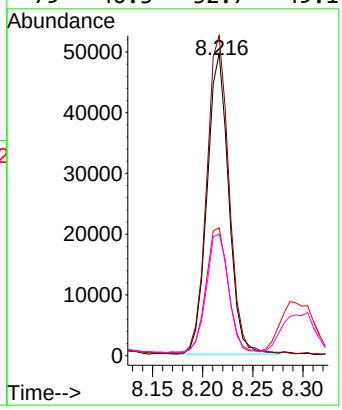


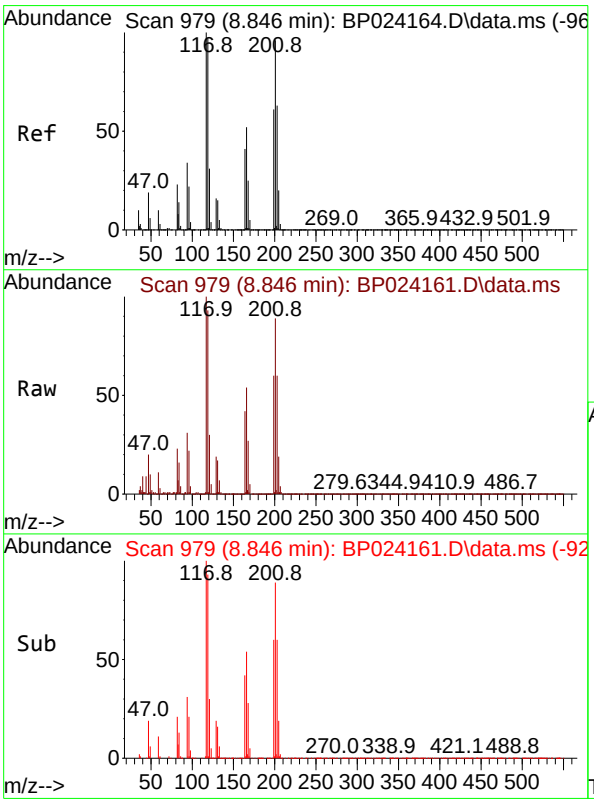
#17
2-Methylphenol
Concen: 4.616 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

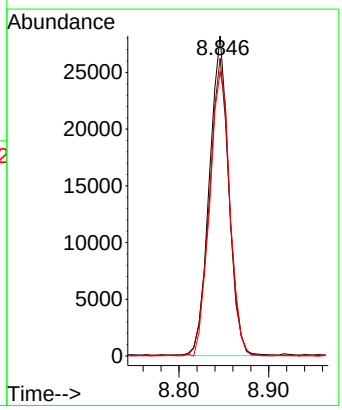


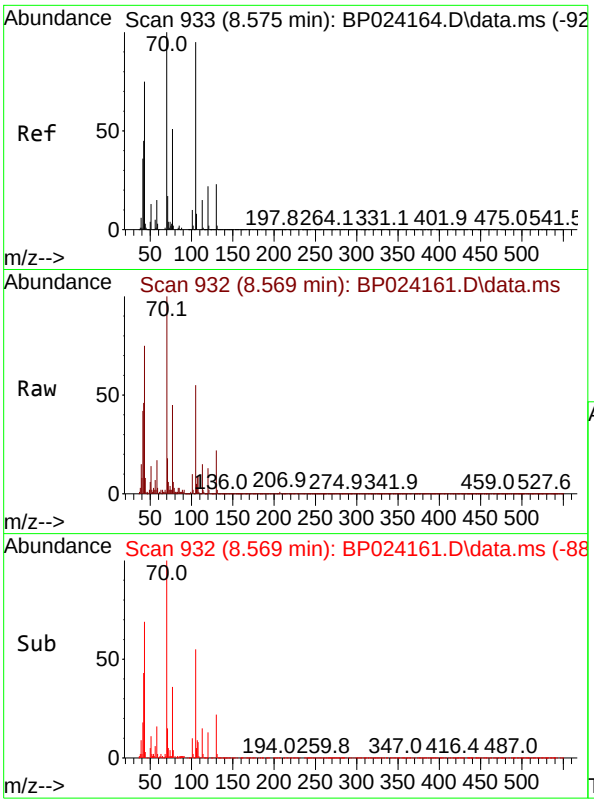


#18
Hexachloroethane
Concen: 4.909 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



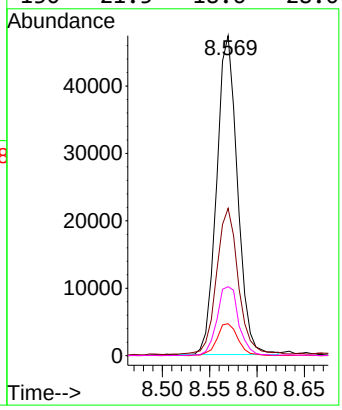


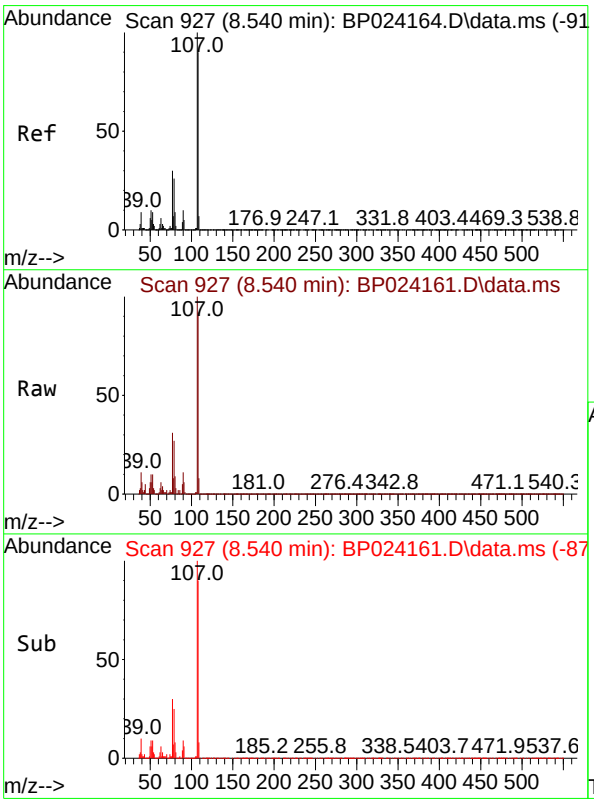
#19
n-Nitroso-di-n-propylamine
Concen: 5.139 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

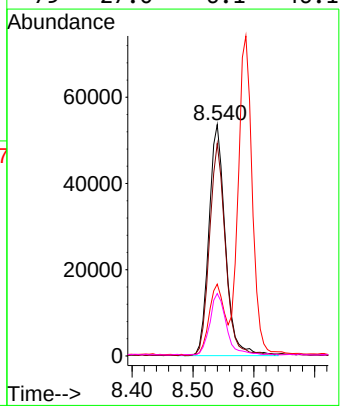


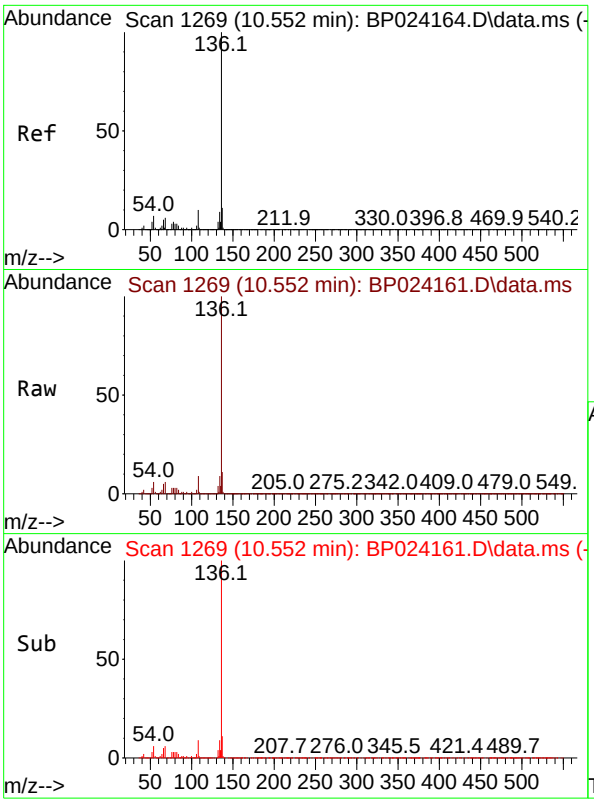


#20
3+4-Methylphenols
Concen: 4.606 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



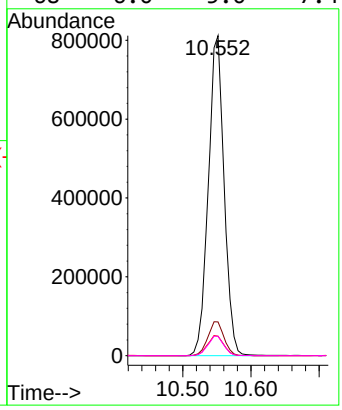


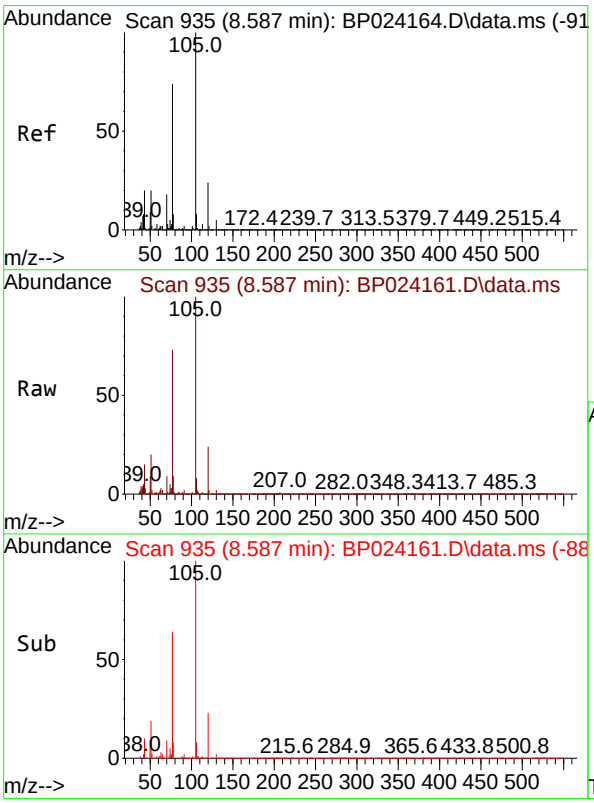
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

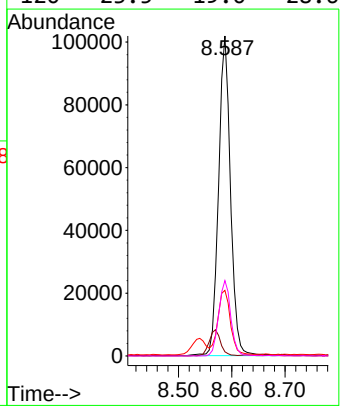


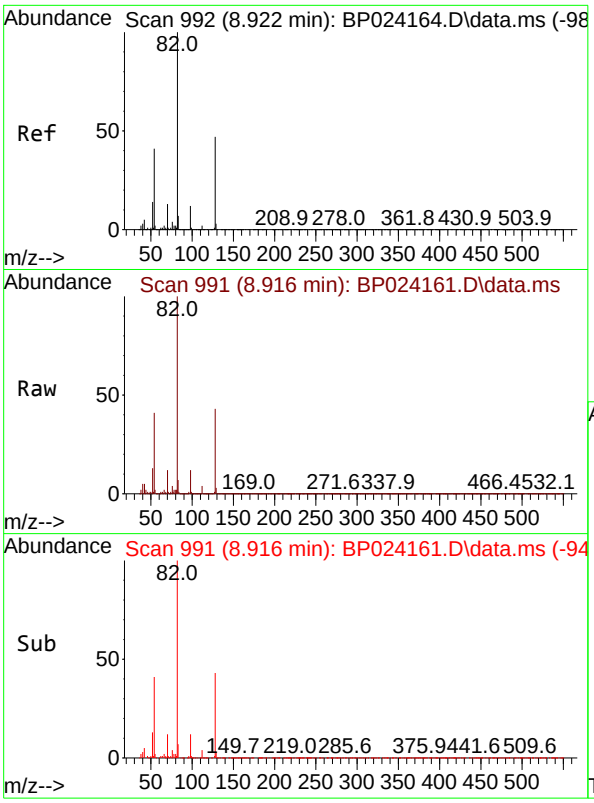


#22
Acetophenone
Concen: 4.699 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



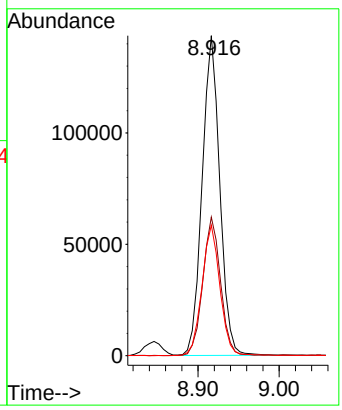


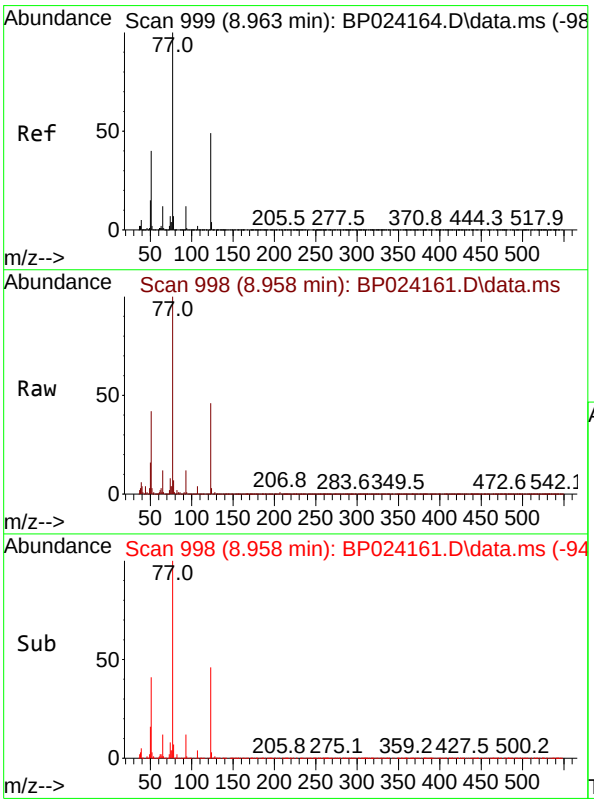
#23
Nitrobenzene-d5
Concen: 9.202 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

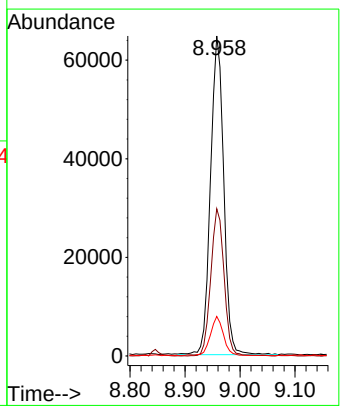


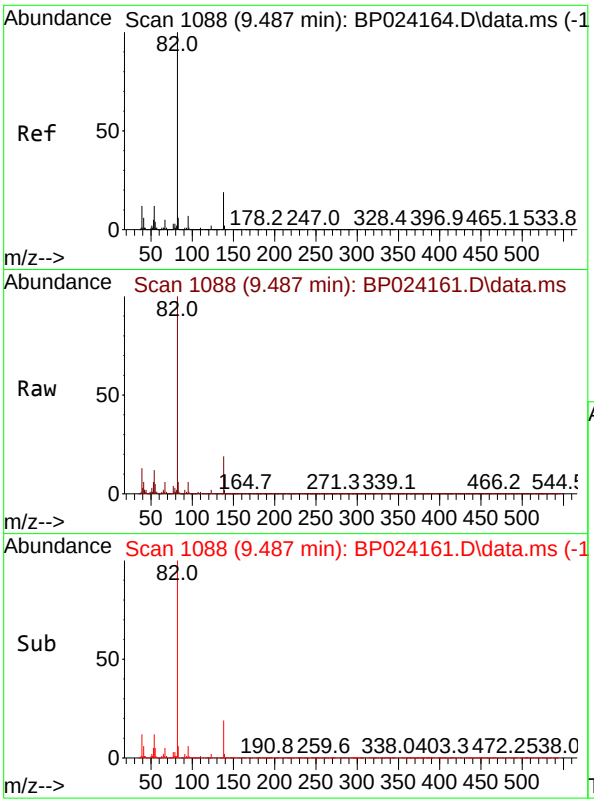


#24
Nitrobenzene
Concen: 4.677 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



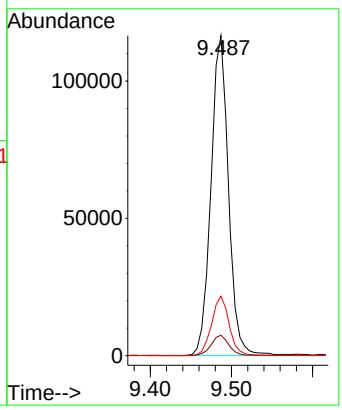


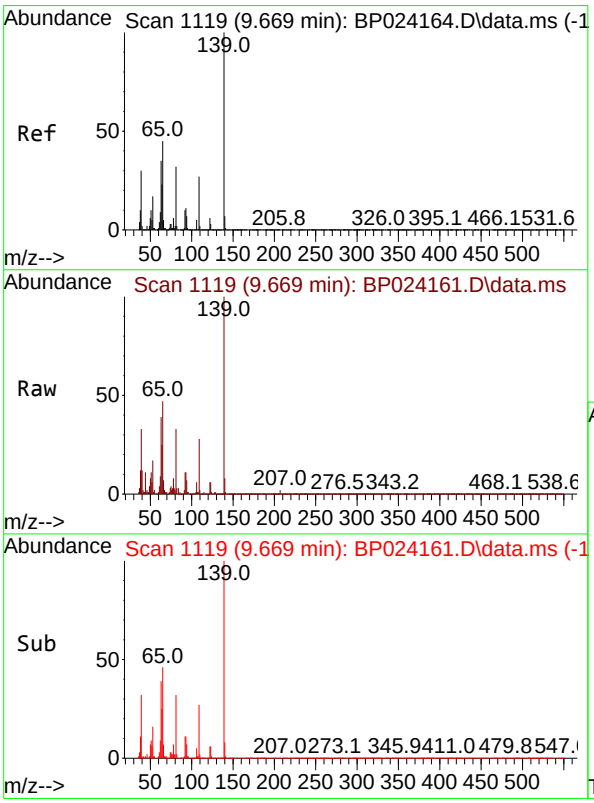
#25
Isophorone
Concen: 4.540 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

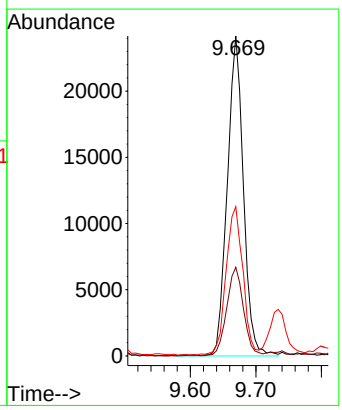


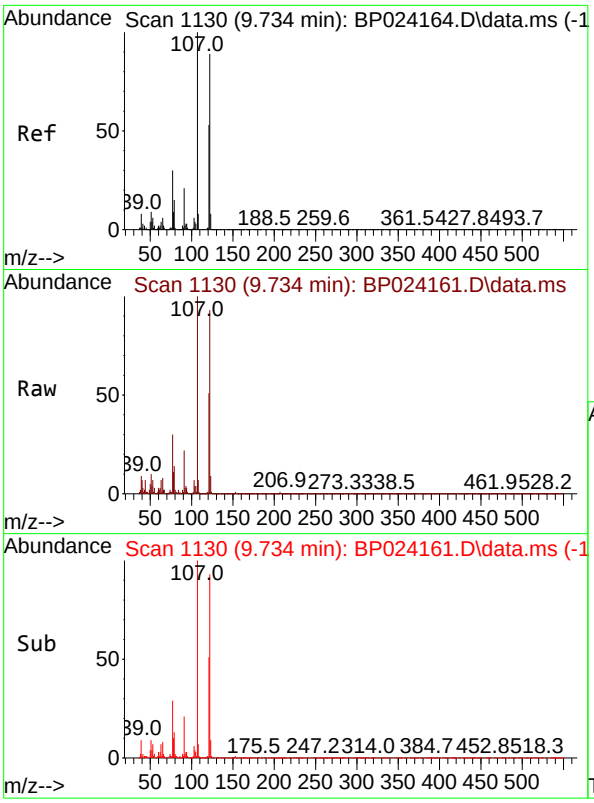


#26
2-Nitrophenol
Concen: 3.880 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



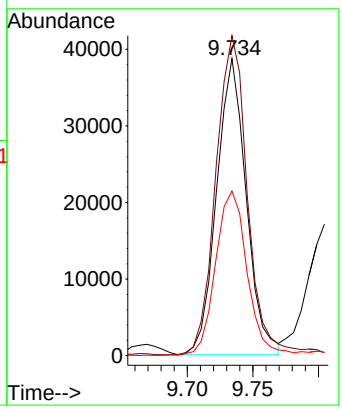


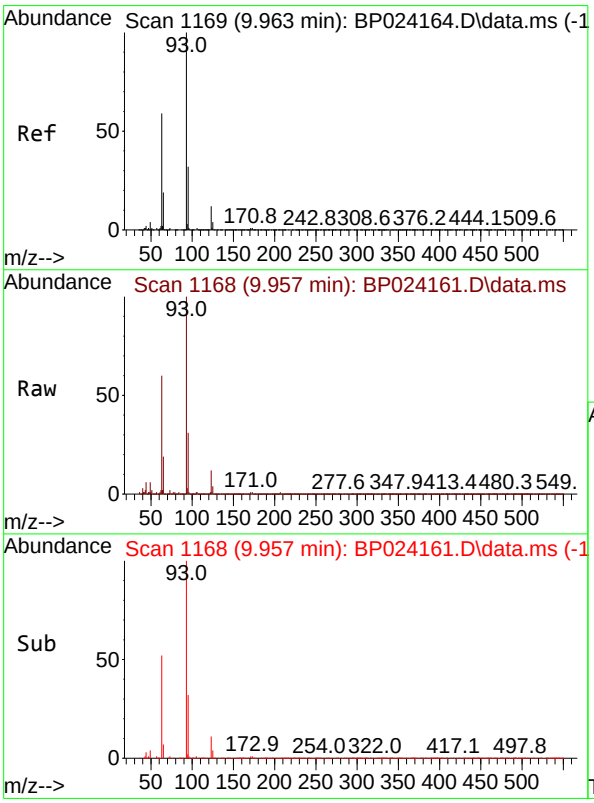
#27
2,4-Dimethylphenol
Concen: 4.354 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

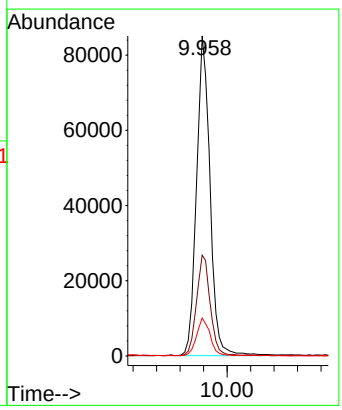


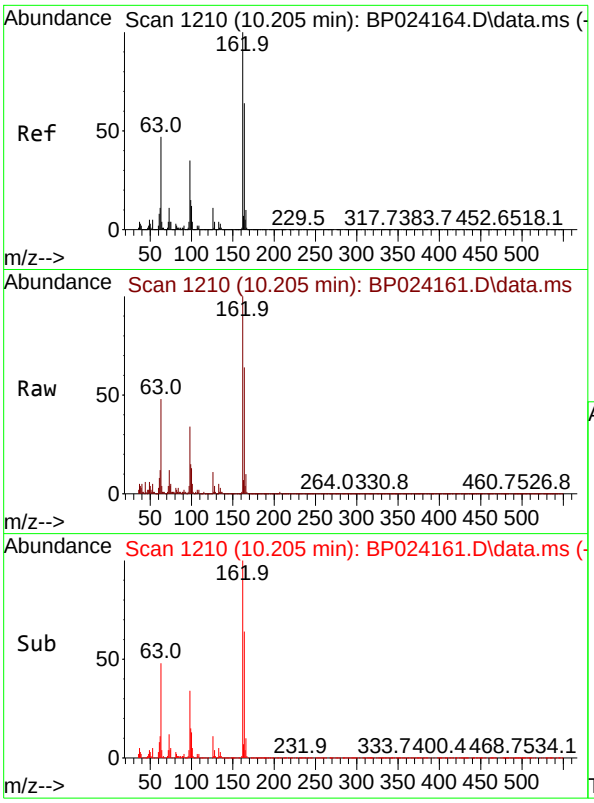


#28
bis(2-Chloroethoxy)methane
Concen: 4.872 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



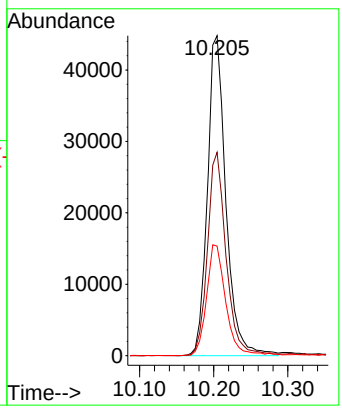


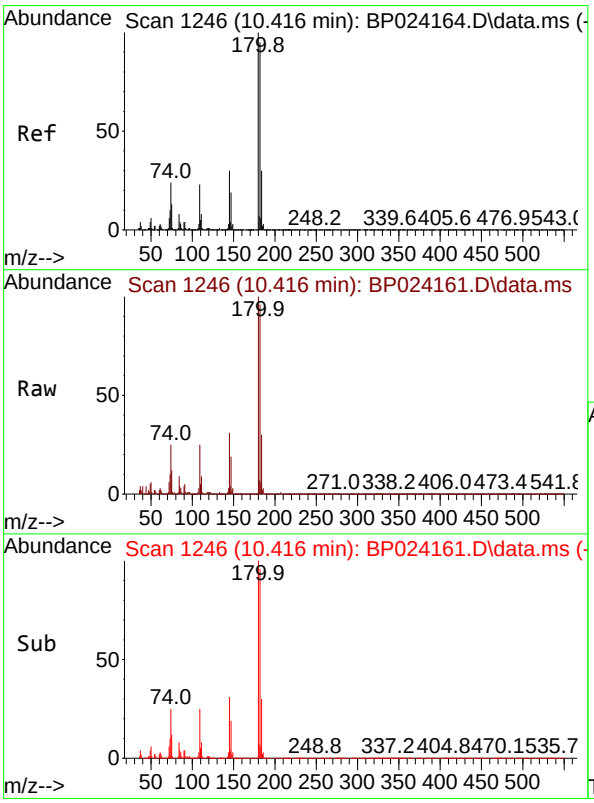
#29
2,4-Dichlorophenol
Concen: 4.072 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

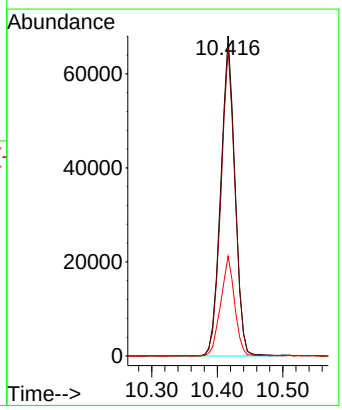


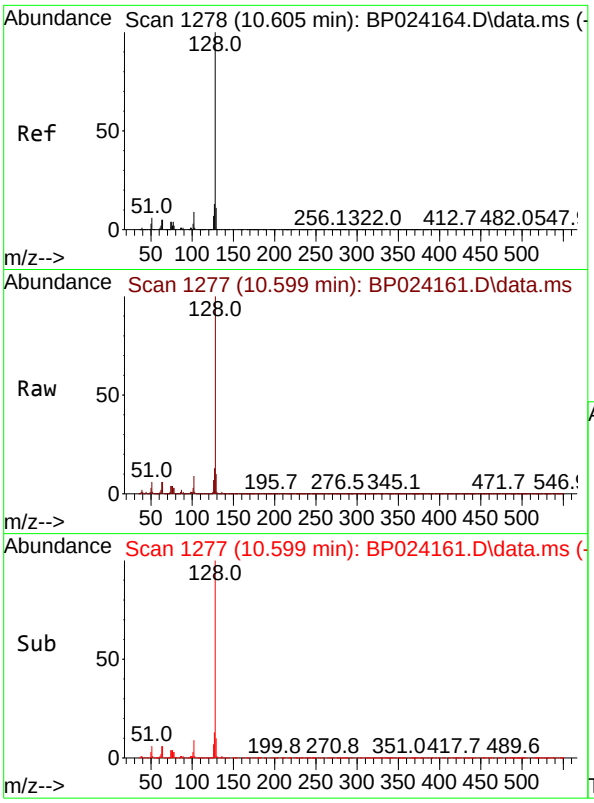


#30
1,2,4-Trichlorobenzene
Concen: 4.646 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



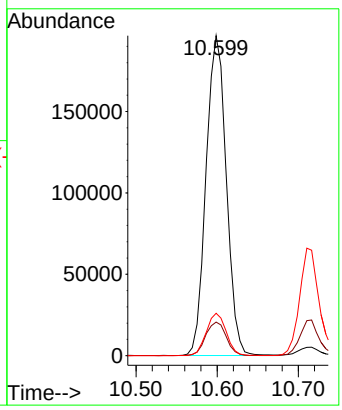


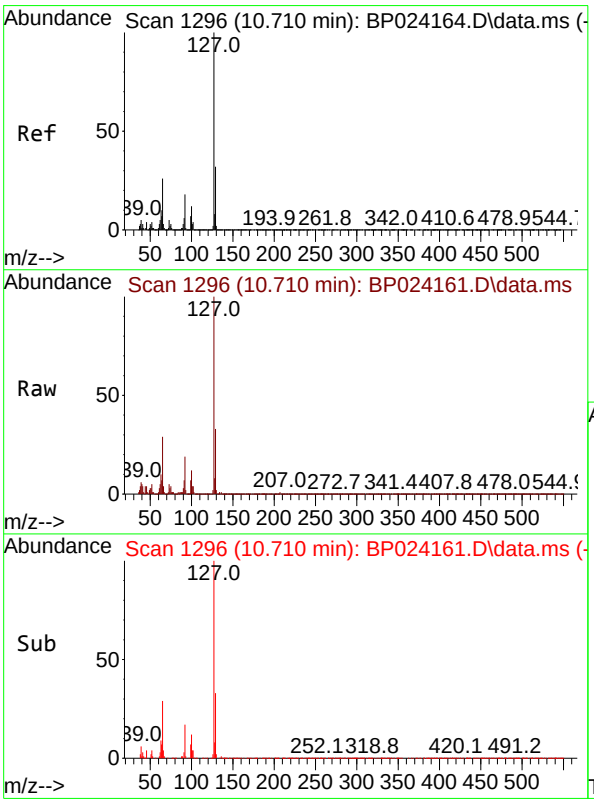
#31
Naphthalene
Concen: 4.840 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

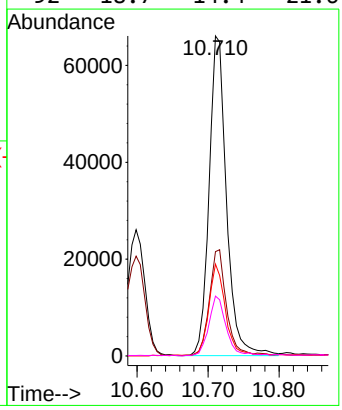


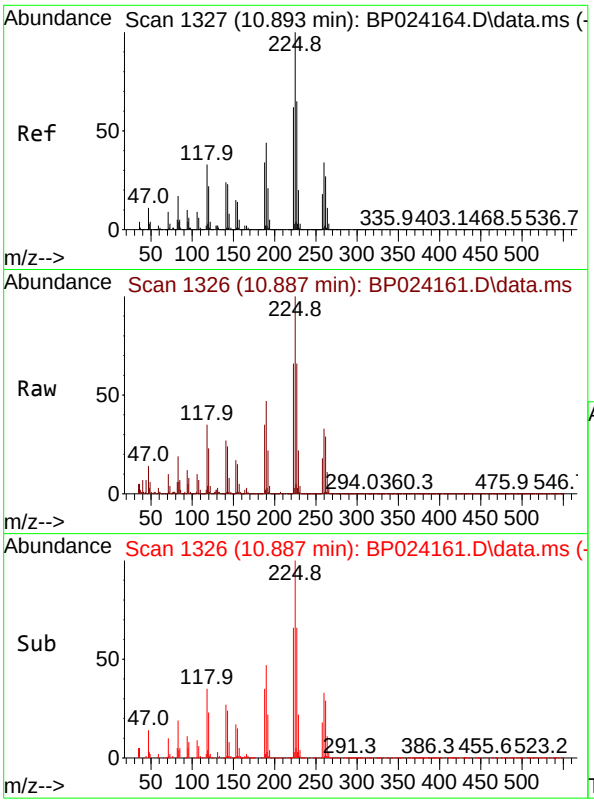


#33
4-Chloroaniline
Concen: 4.545 ng
RT: 10.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



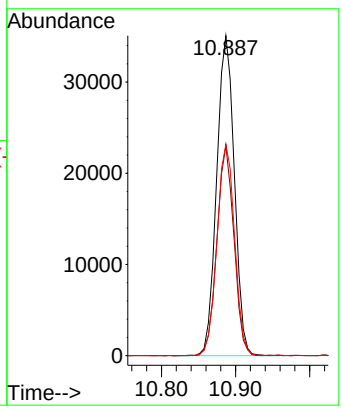


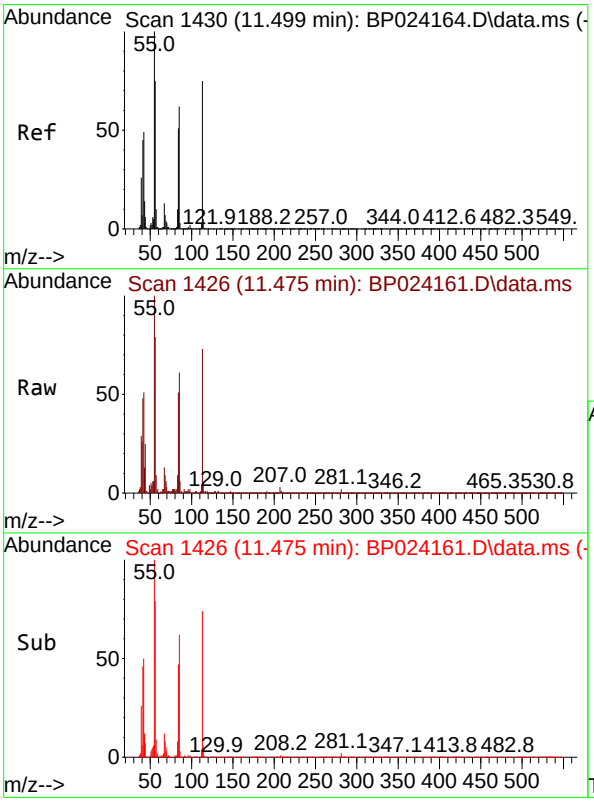
#34
Hexachlorobutadiene
Concen: 4.589 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

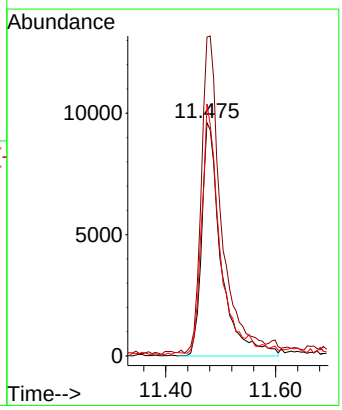


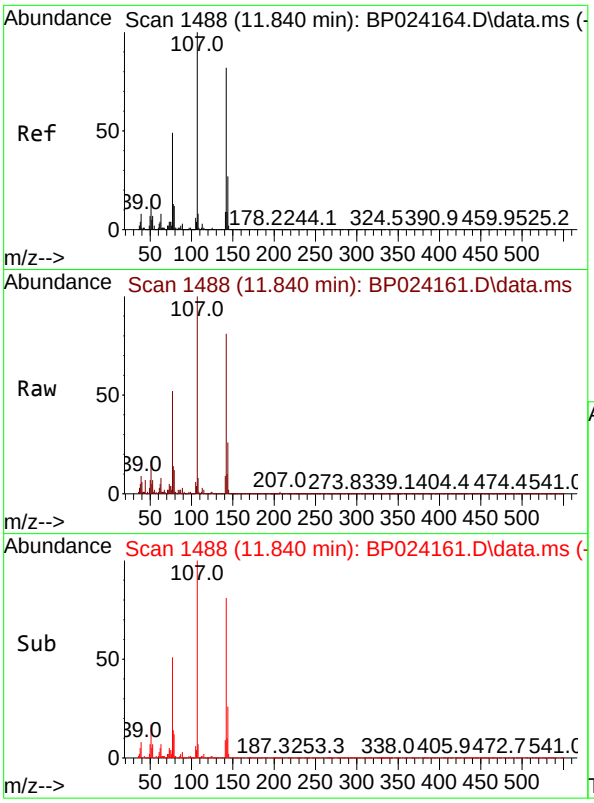


#35
Caprolactam
Concen: 4.057 ng
RT: 11.475 min Scan# 1426
Delta R.T. -0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



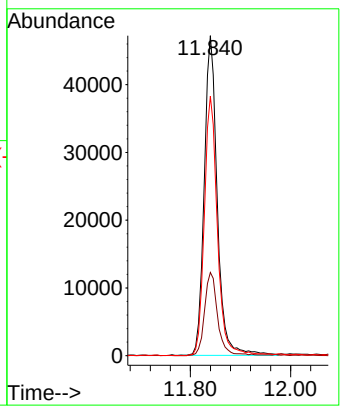


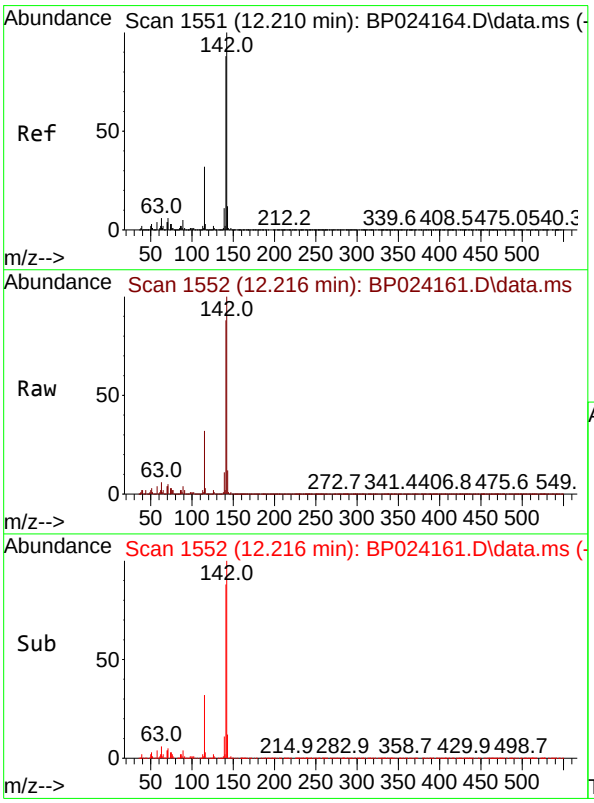
#36
4-Chloro-3-methylphenol
Concen: 4.352 ng
RT: 11.840 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

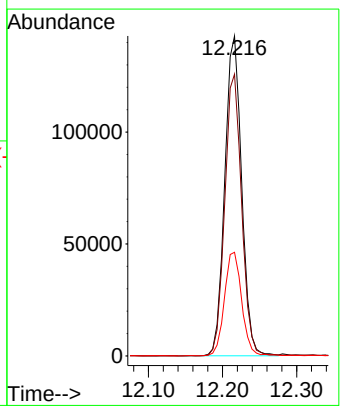


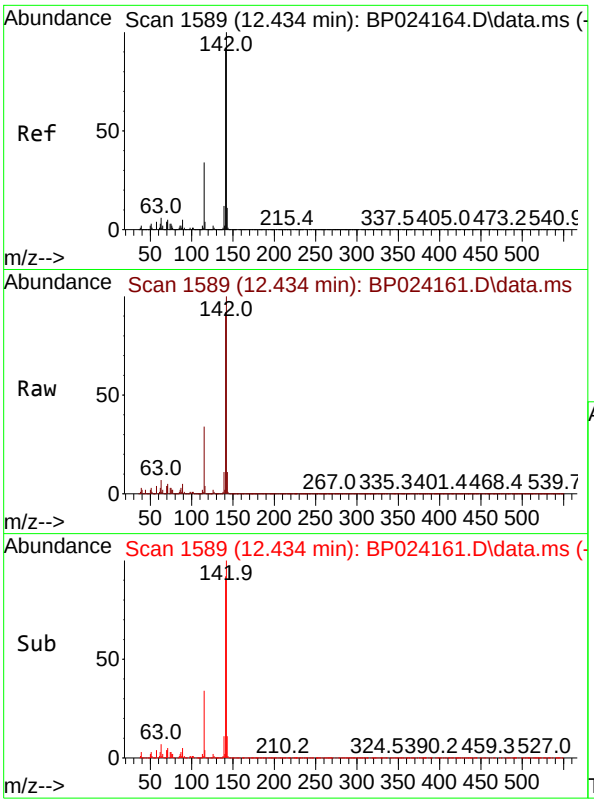


#37
2-Methylnaphthalene
Concen: 4.817 ng
RT: 12.216 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



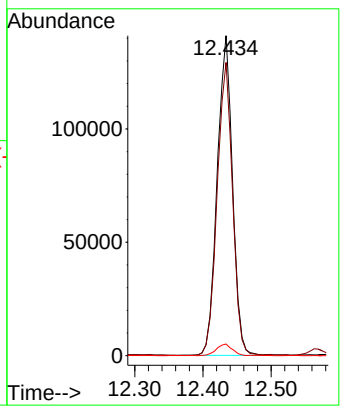


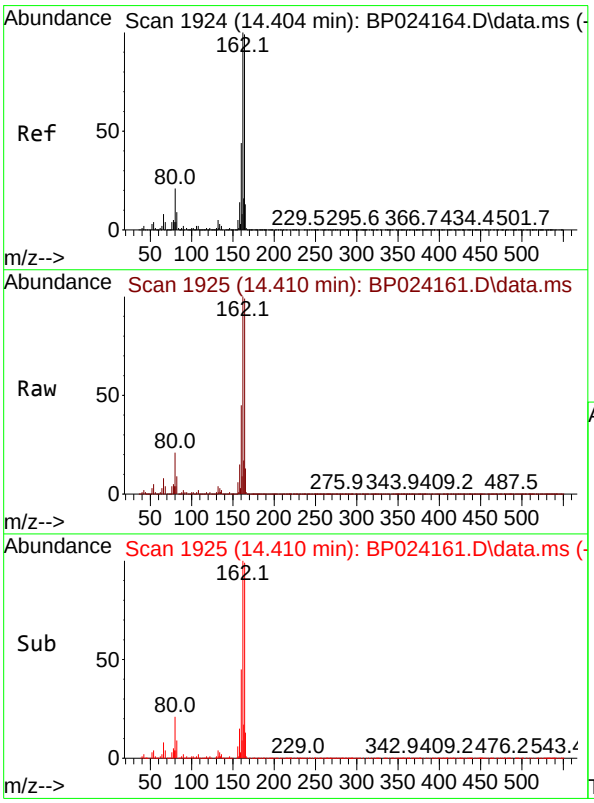
#38
1-Methylnaphthalene
Concen: 4.848 ng
RT: 12.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

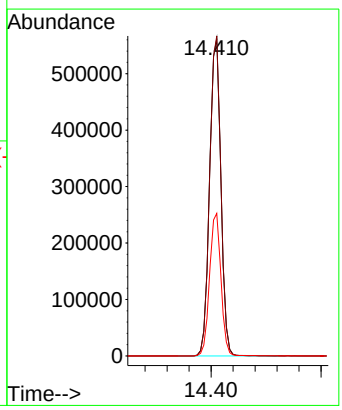


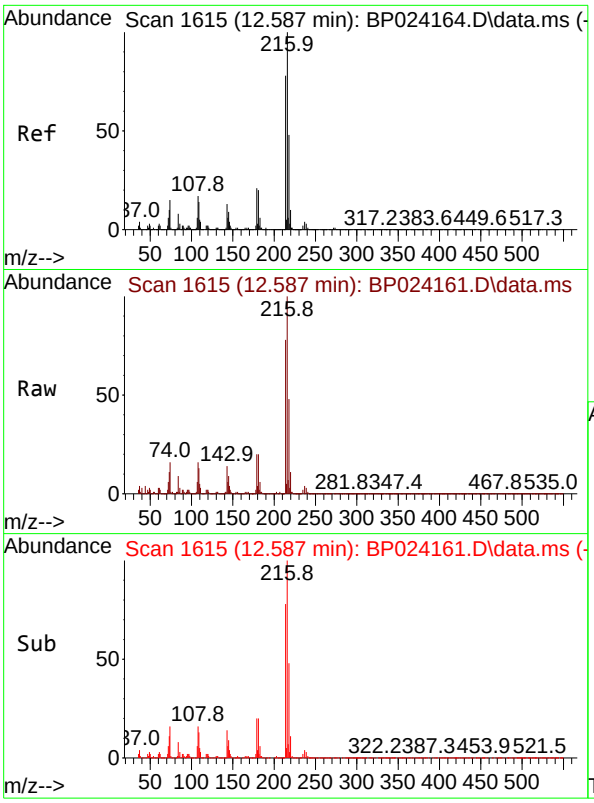


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



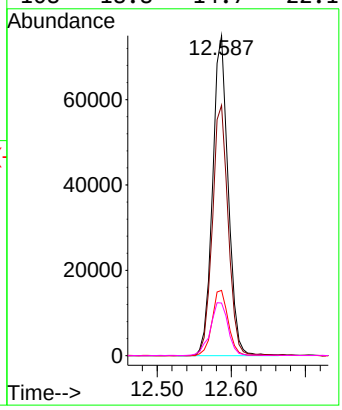


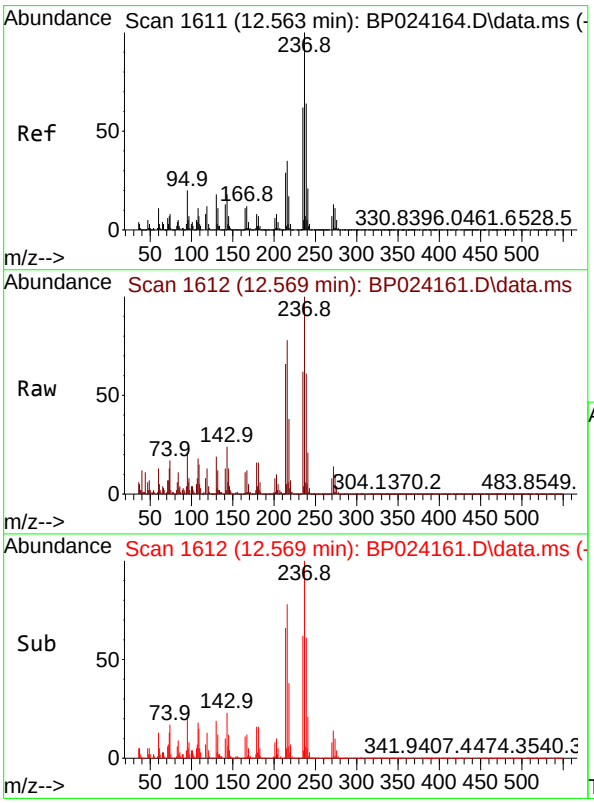
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.459 ng
RT: 12.587 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

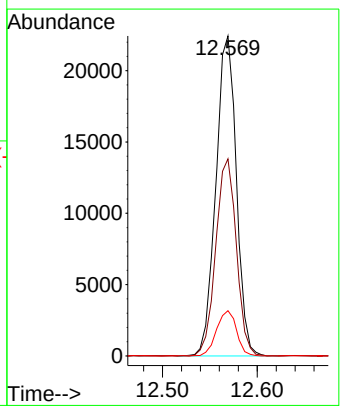


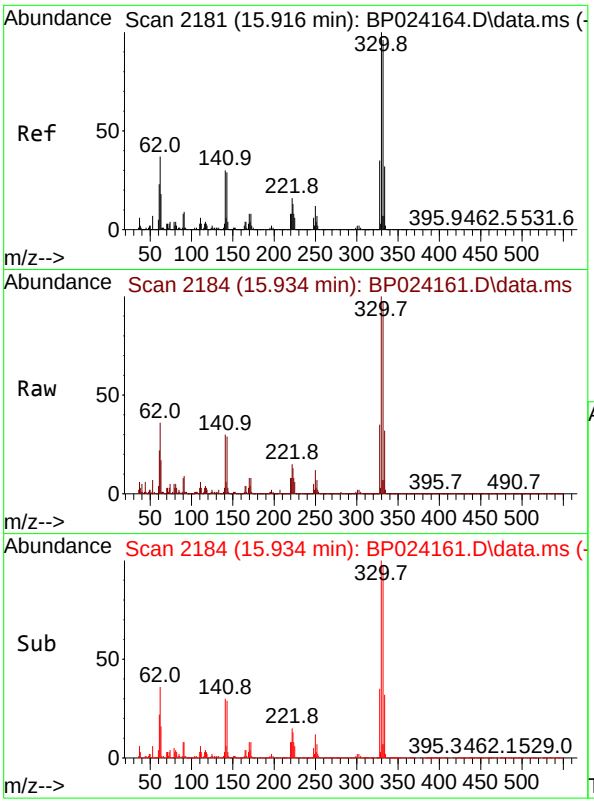


#41
Hexachlorocyclopentadiene
Concen: 3.693 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



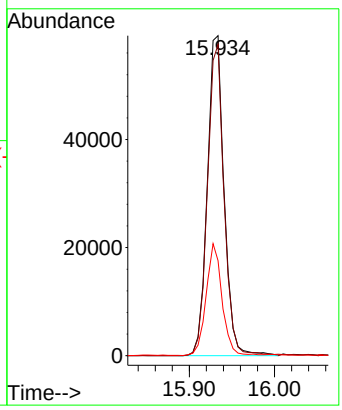


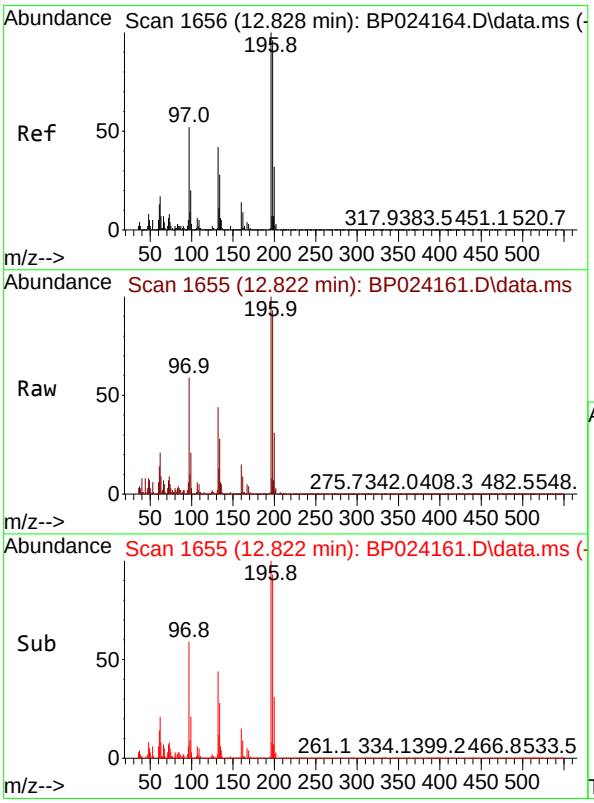
#42
2,4,6-Tribromophenol
Concen: 8.288 ng
RT: 15.934 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

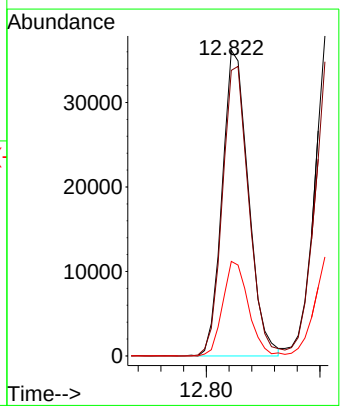


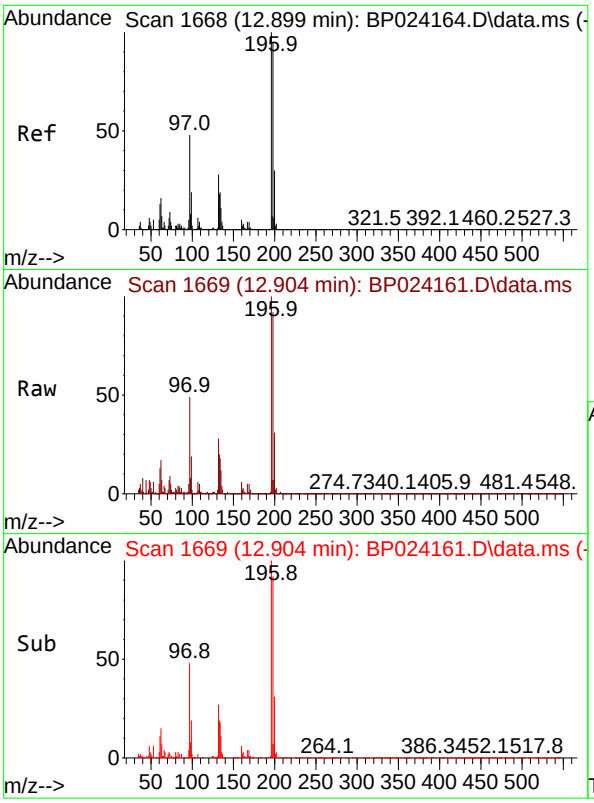


#43
2,4,6-Trichlorophenol
Concen: 3.883 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



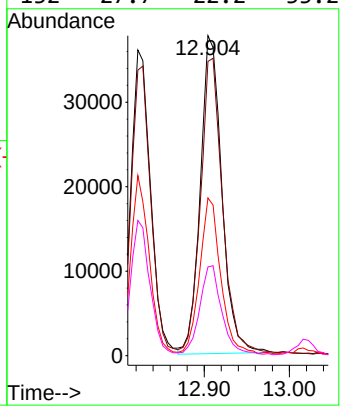


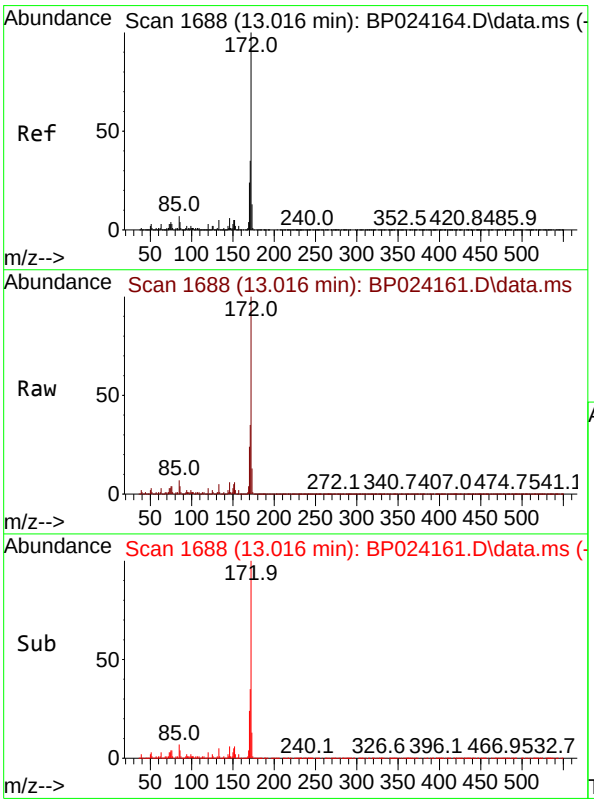
#44
2,4,5-Trichlorophenol
Concen: 4.044 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

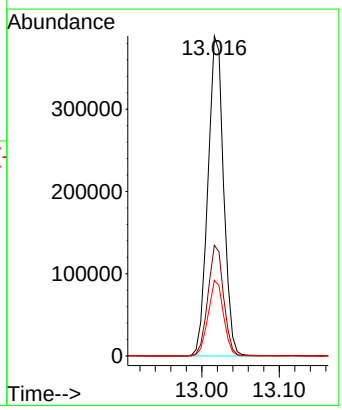


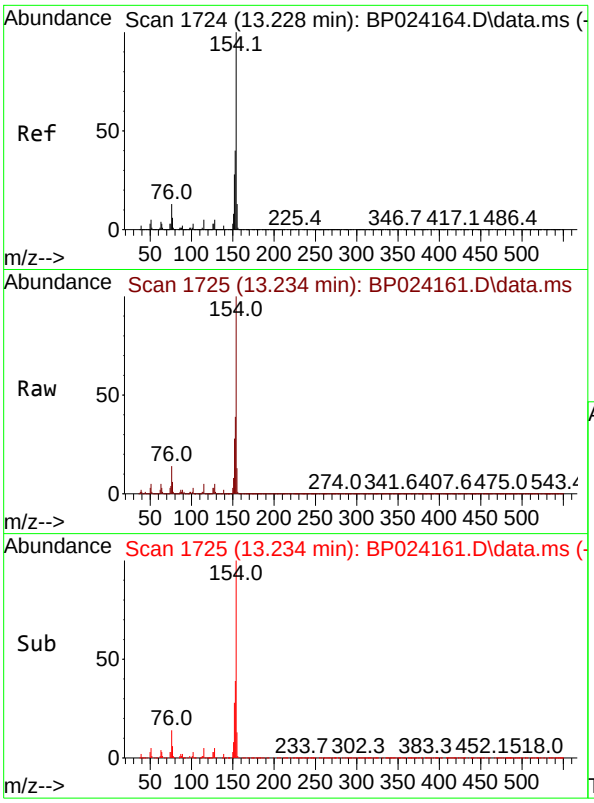


#45
2-Fluorobiphenyl
Concen: 9.532 ng
RT: 13.016 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



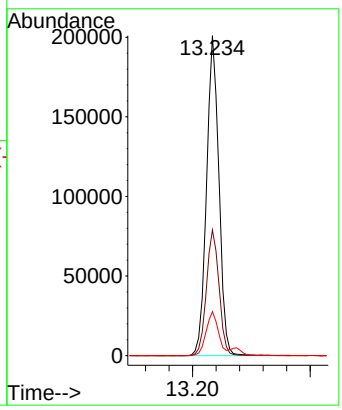


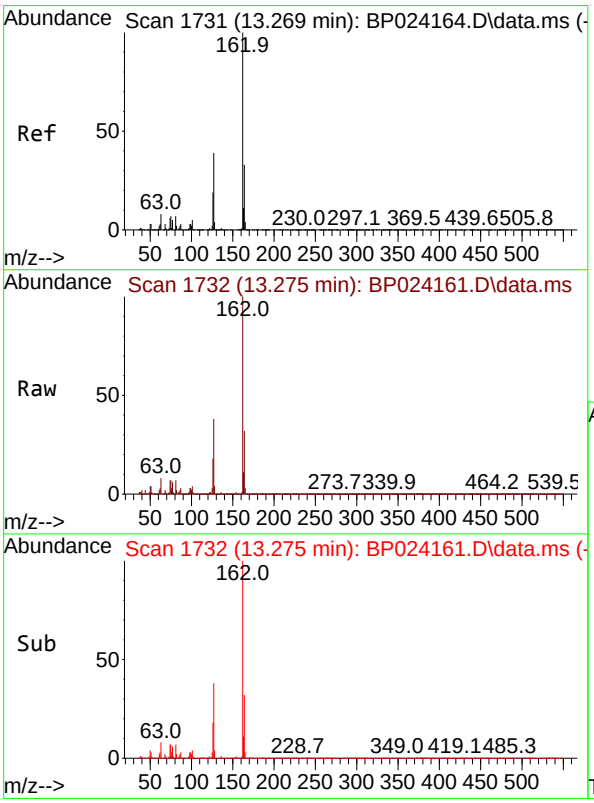
#46
1,1'-Biphenyl
Concen: 4.721 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

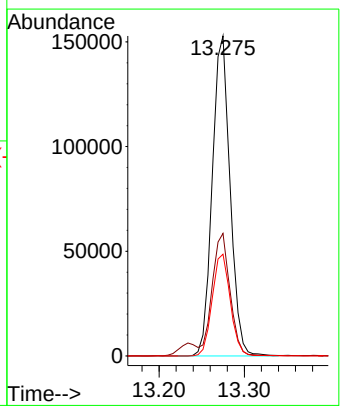


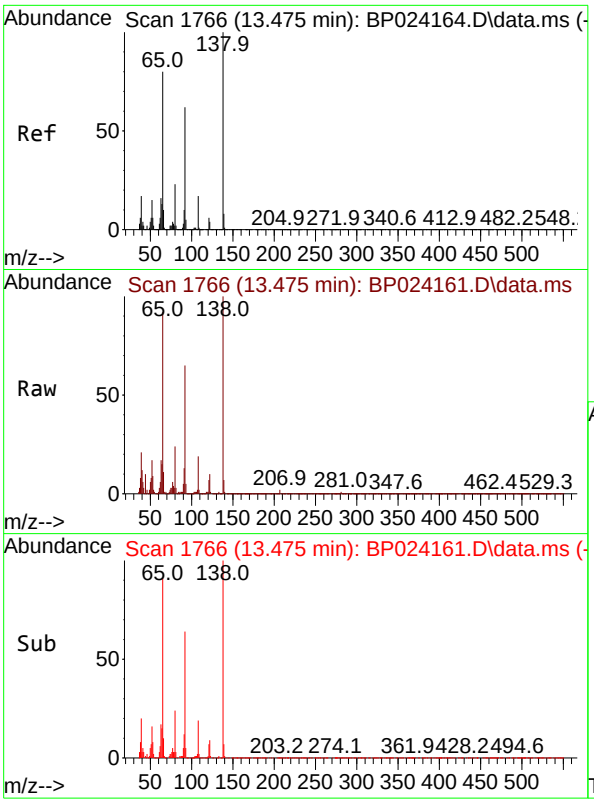


#47
2-Chloronaphthalene
Concen: 4.715 ng
RT: 13.275 min Scan# 1732
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



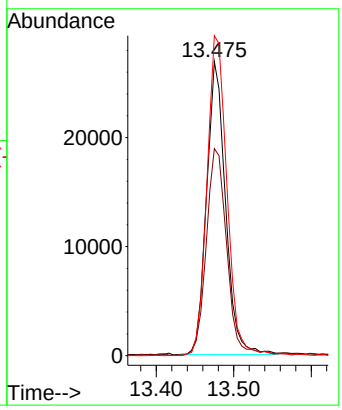


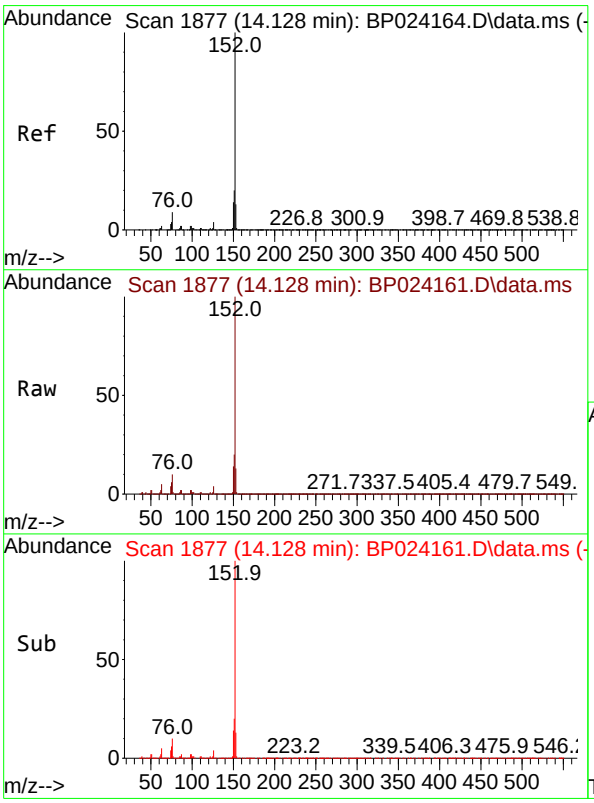
#48
2-Nitroaniline
Concen: 4.117 ng
RT: 13.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

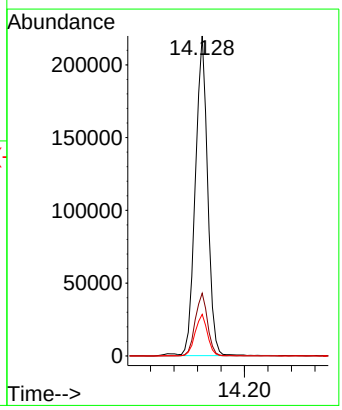


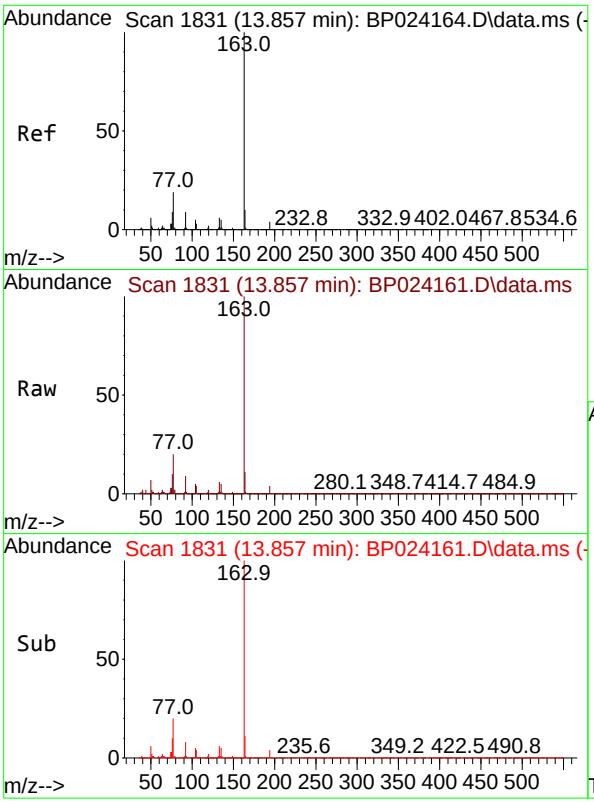


#49
Acenaphthylene
Concen: 4.580 ng
RT: 14.128 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



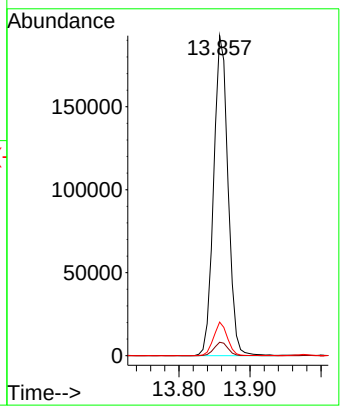


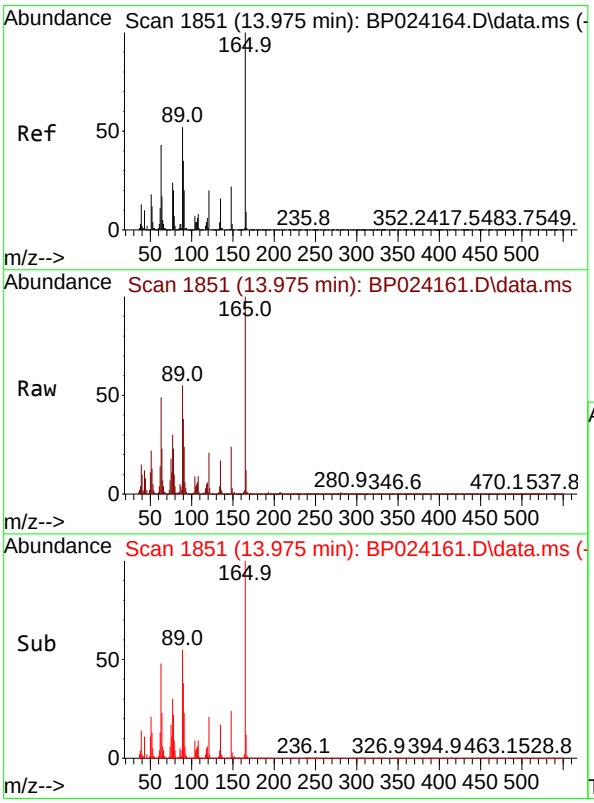
#50
Dimethylphthalate
Concen: 4.789 ng
RT: 13.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

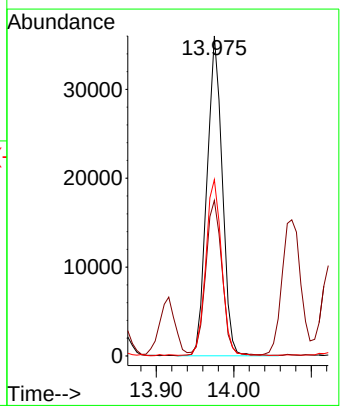


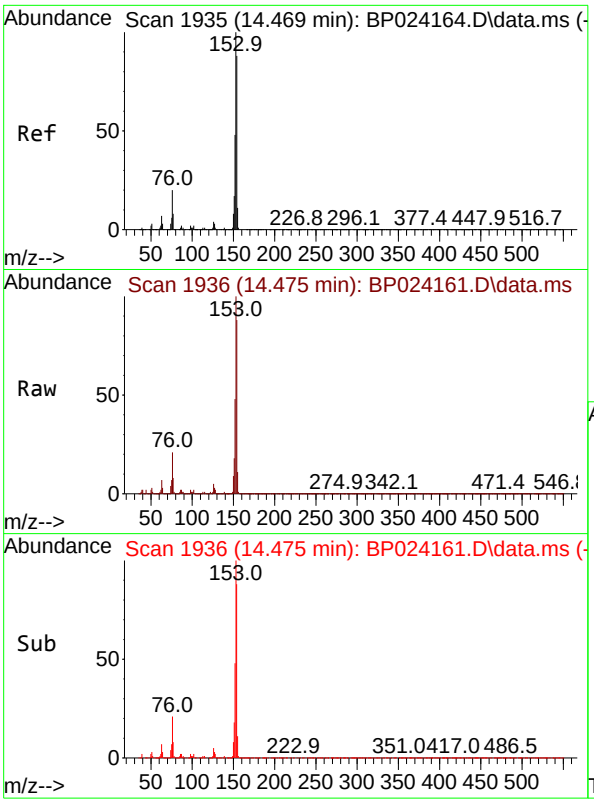


#51
2,6-Dinitrotoluene
Concen: 4.317 ng
RT: 13.975 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



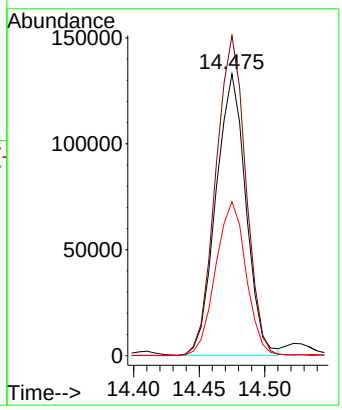


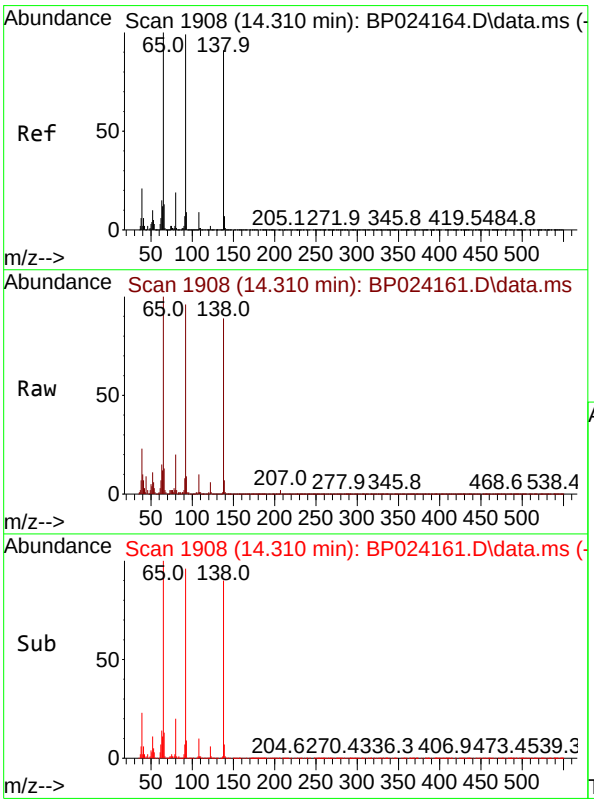
#52
Acenaphthene
Concen: 4.742 ng
RT: 14.475 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

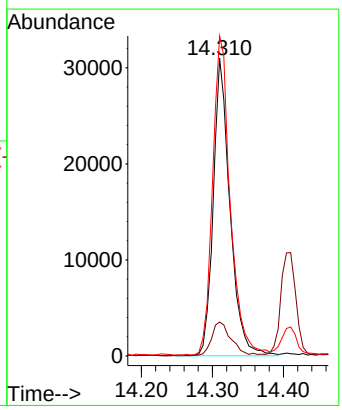


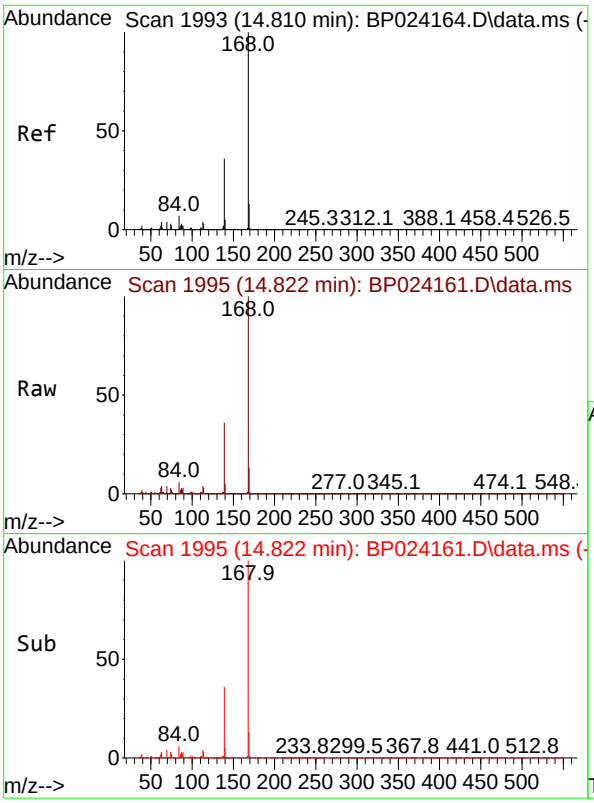


#53
3-Nitroaniline
Concen: 4.129 ng
RT: 14.310 min Scan# 1908
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



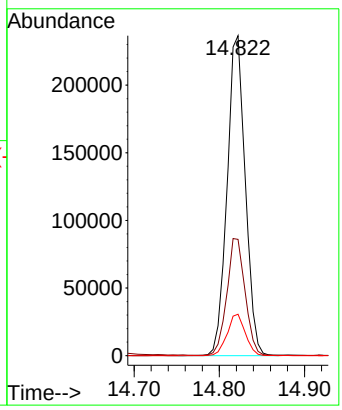


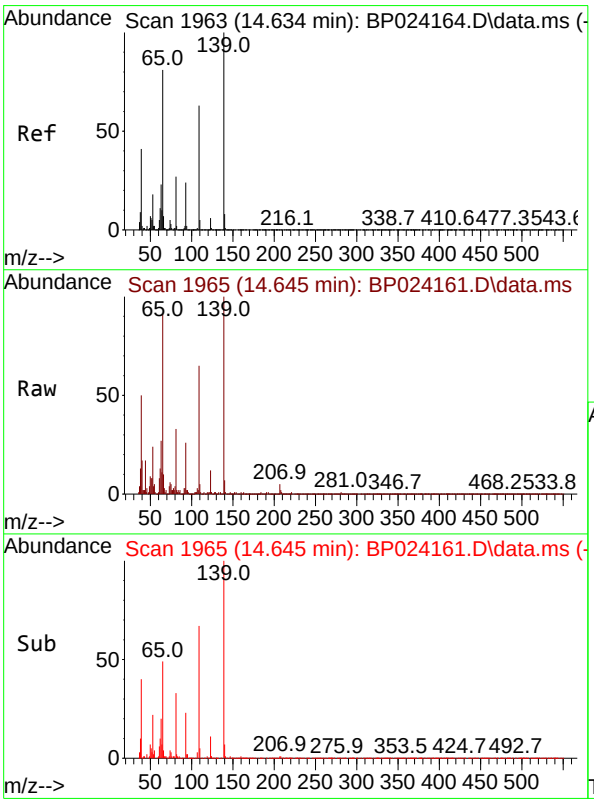
#55
Dibenzofuran
Concen: 4.858 ng
RT: 14.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

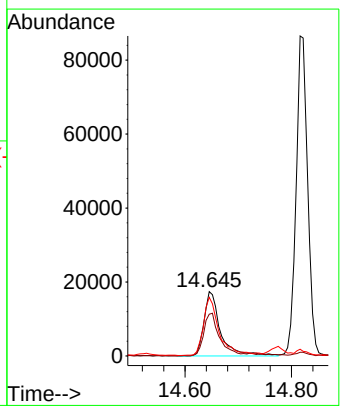


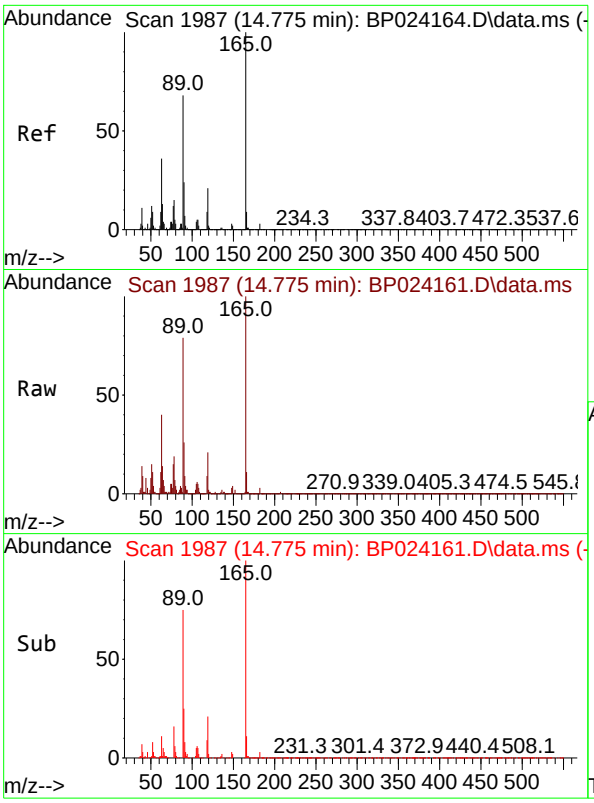


#56
4-Nitrophenol
Concen: 3.521 ng
RT: 14.645 min Scan# 1965
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



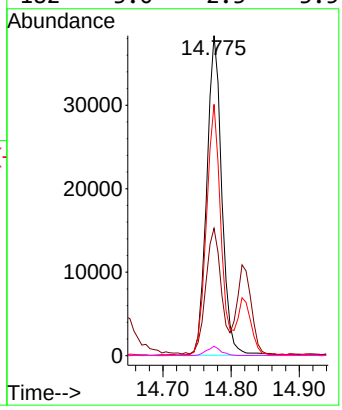


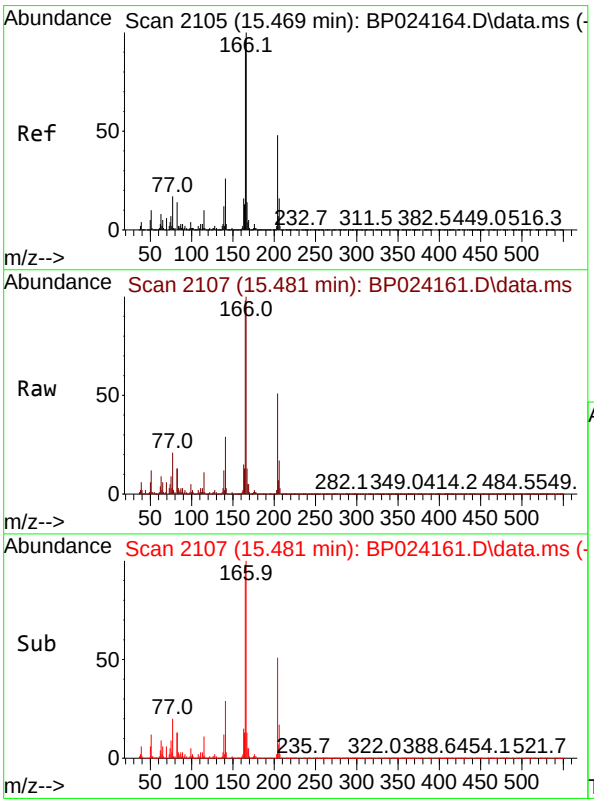
#57
2,4-Dinitrotoluene
Concen: 3.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

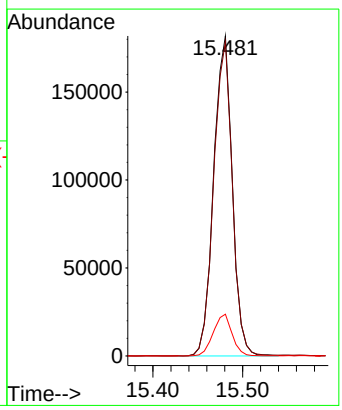


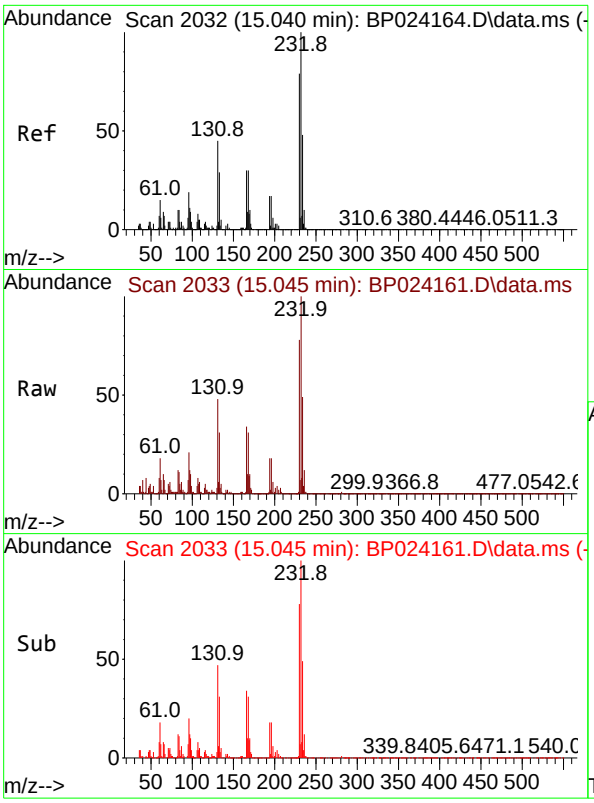


#58
Fluorene
Concen: 4.629 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



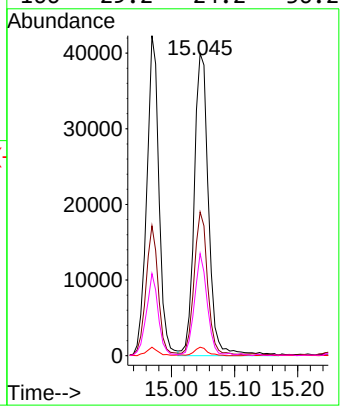


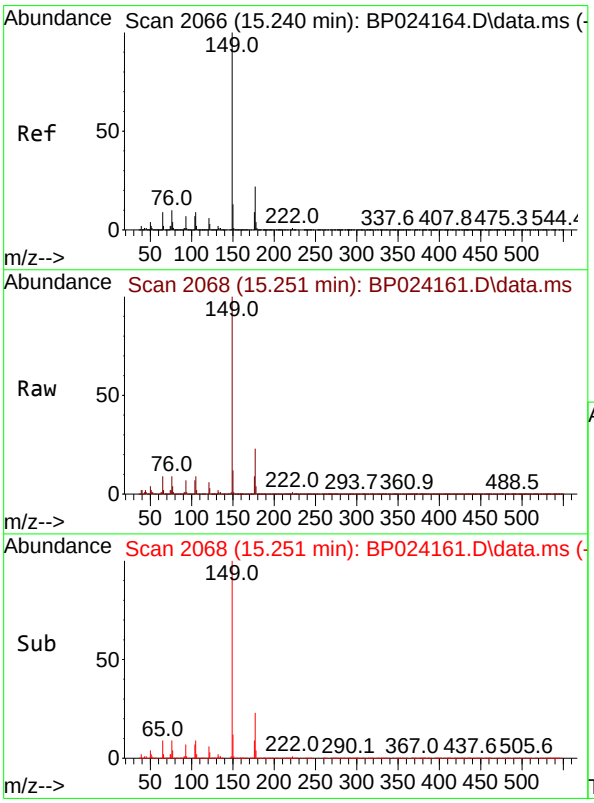
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

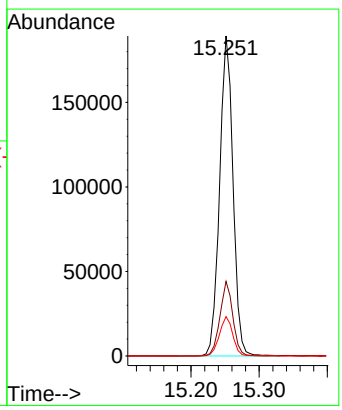


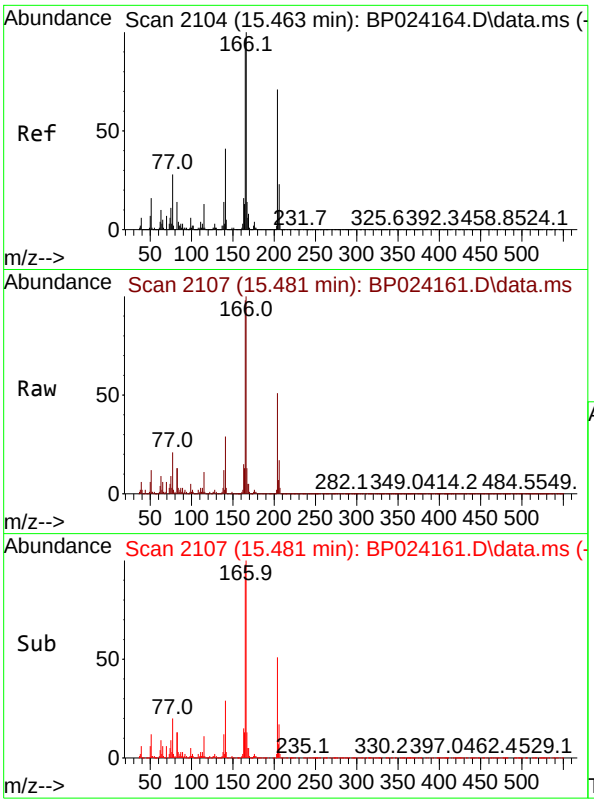


#60
Diethylphthalate
Concen: 4.631 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



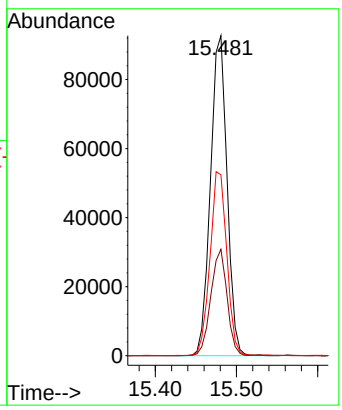


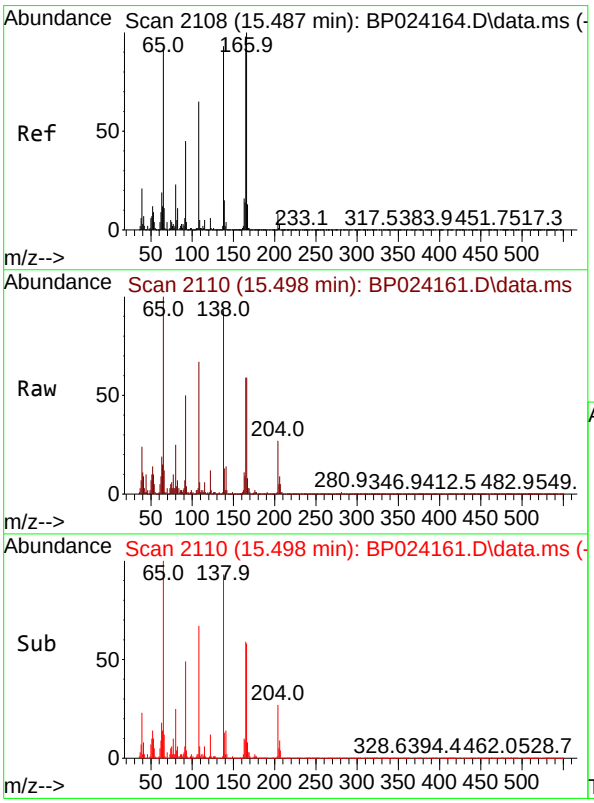
#61
4-Chlorophenyl-phenylether
Concen: 4.724 ng
RT: 15.481 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

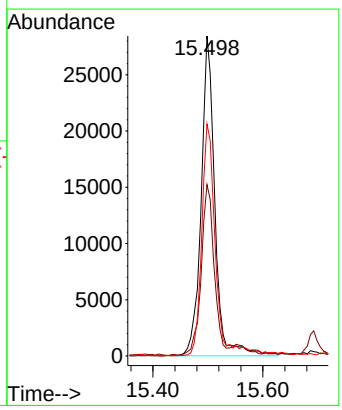


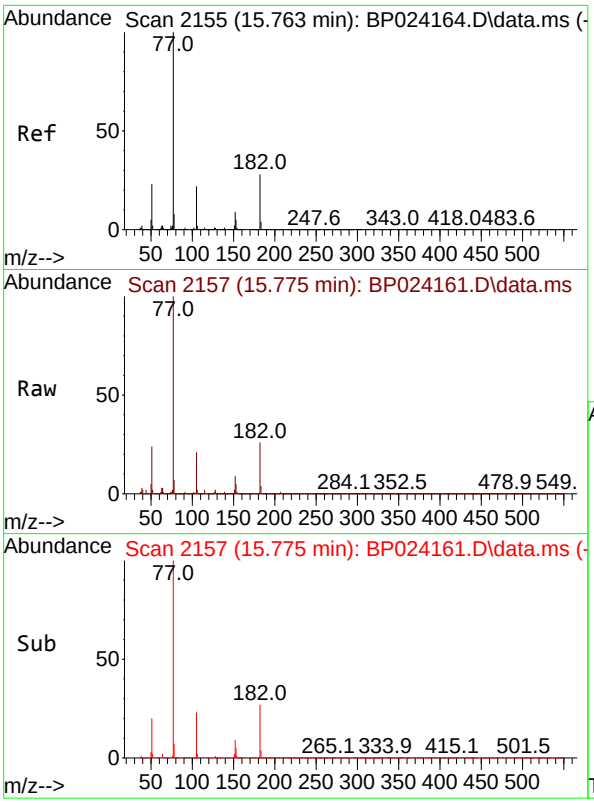


#62
4-Nitroaniline
Concen: 3.871 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



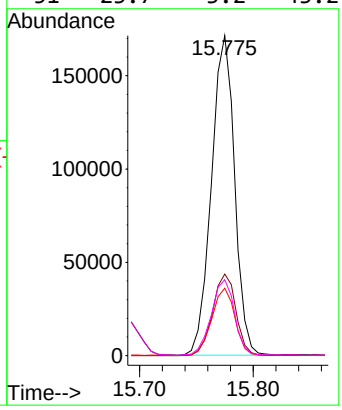


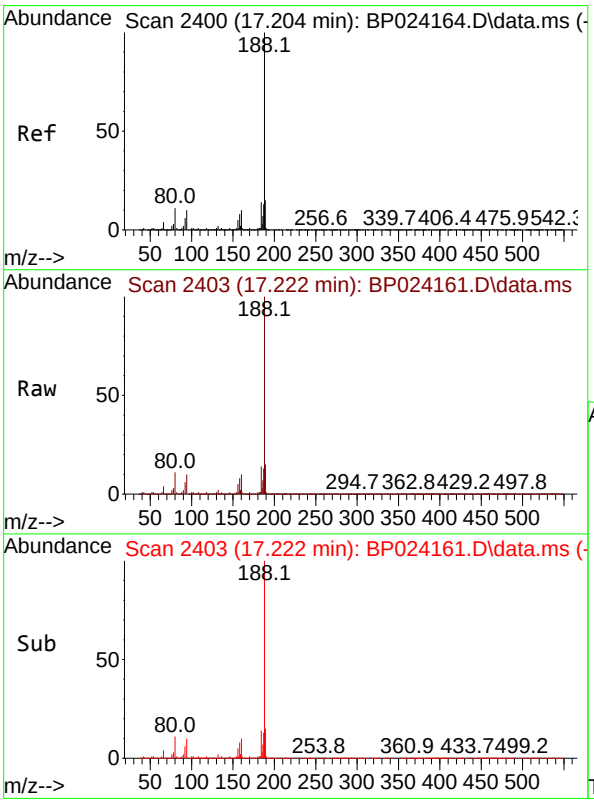
#63
Azobenzene
Concen: 4.628 ng
RT: 15.775 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

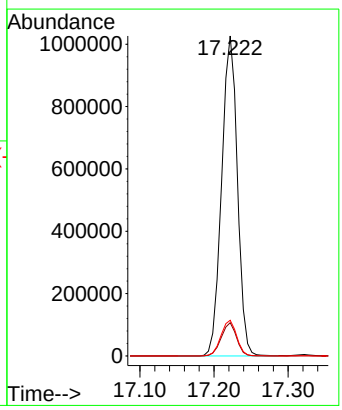


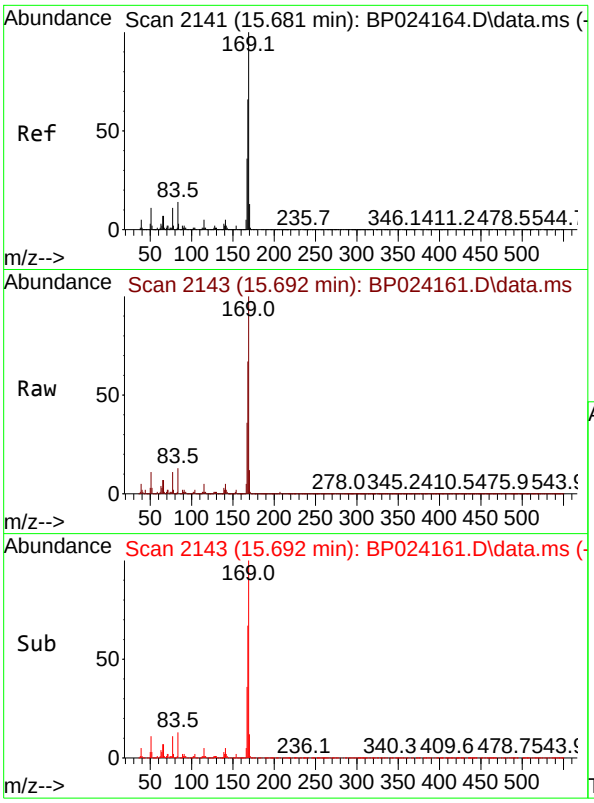


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



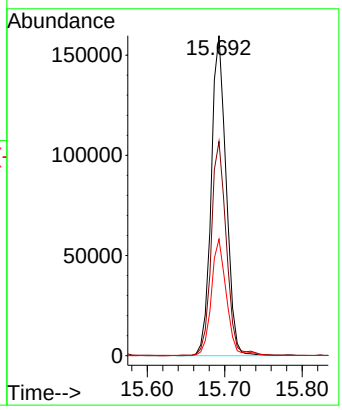


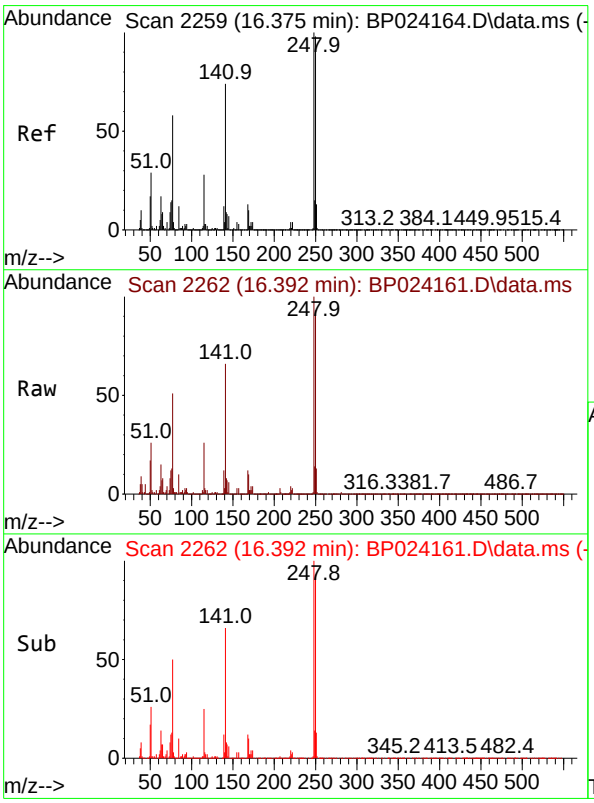
#66
n-Nitrosodiphenylamine
Concen: 4.522 ng
RT: 15.692 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

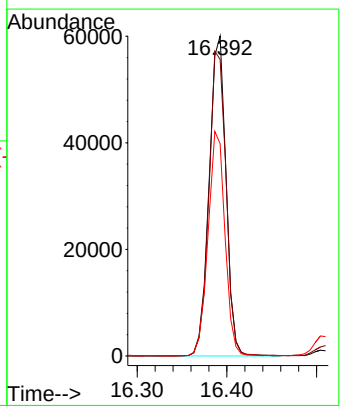


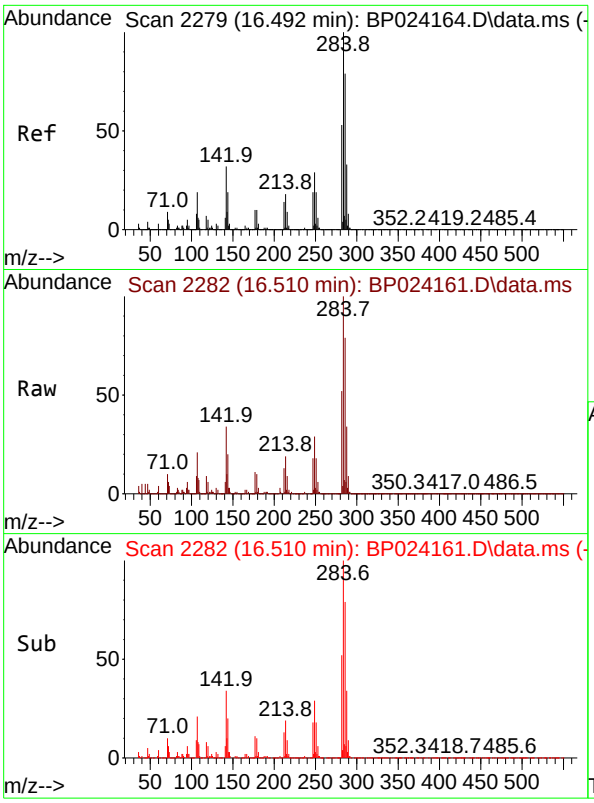


#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



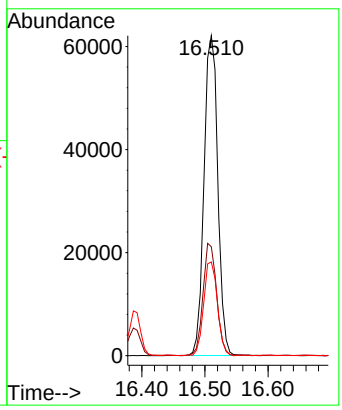


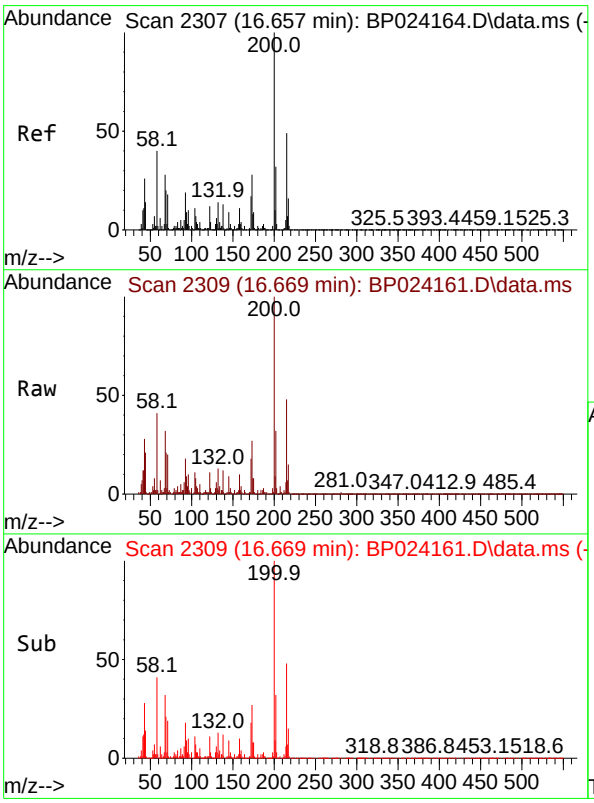
#68
Hexachlorobenzene
Concen: 4.696 ng
RT: 16.510 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

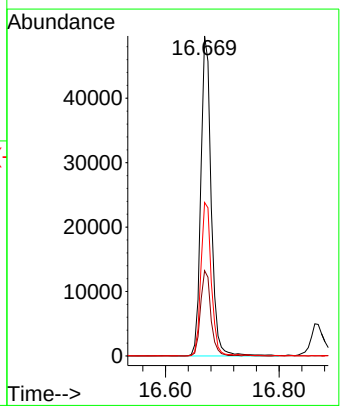


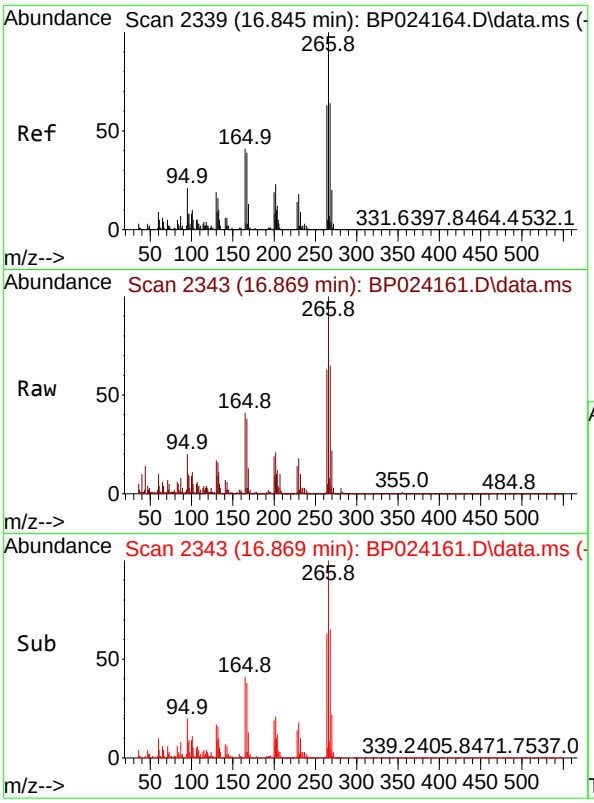


#69
Atrazine
Concen: 5.152 ng
RT: 16.669 min Scan# 2309
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



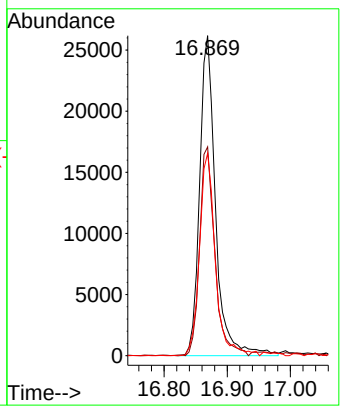


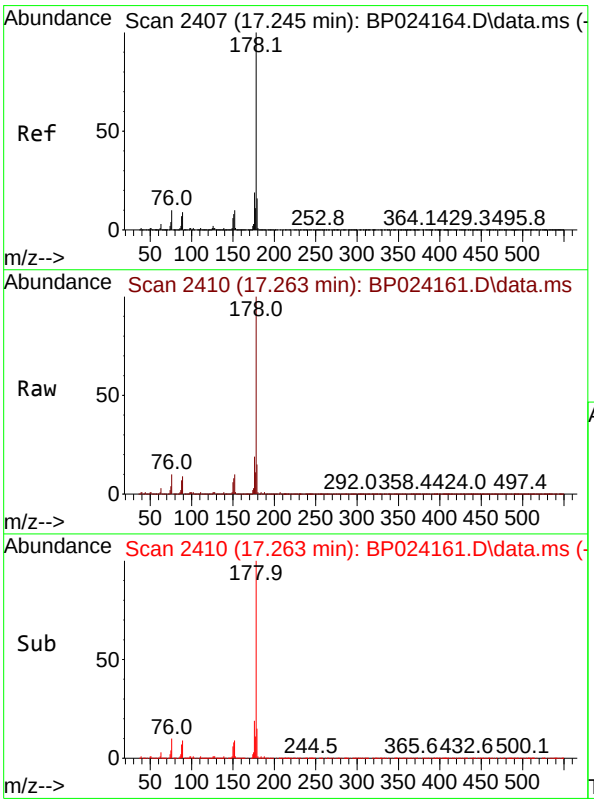
#70
Pentachlorophenol
Concen: 3.525 ng
RT: 16.869 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

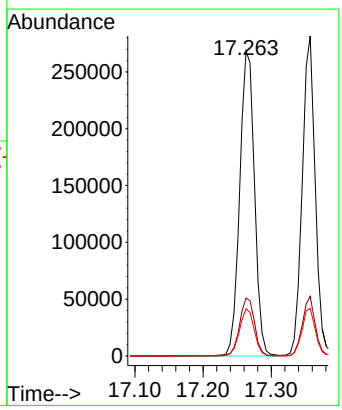


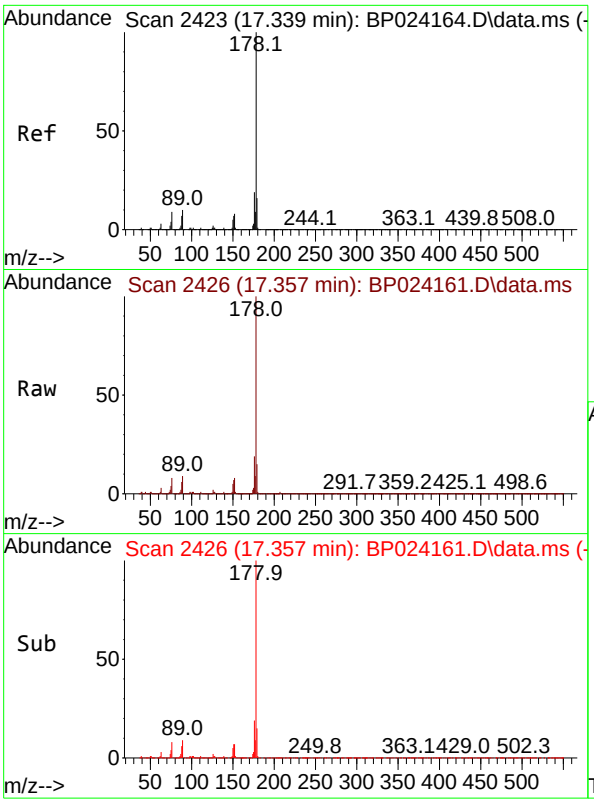


#71
Phenanthrene
Concen: 4.734 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



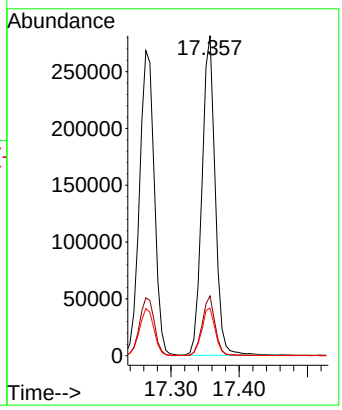


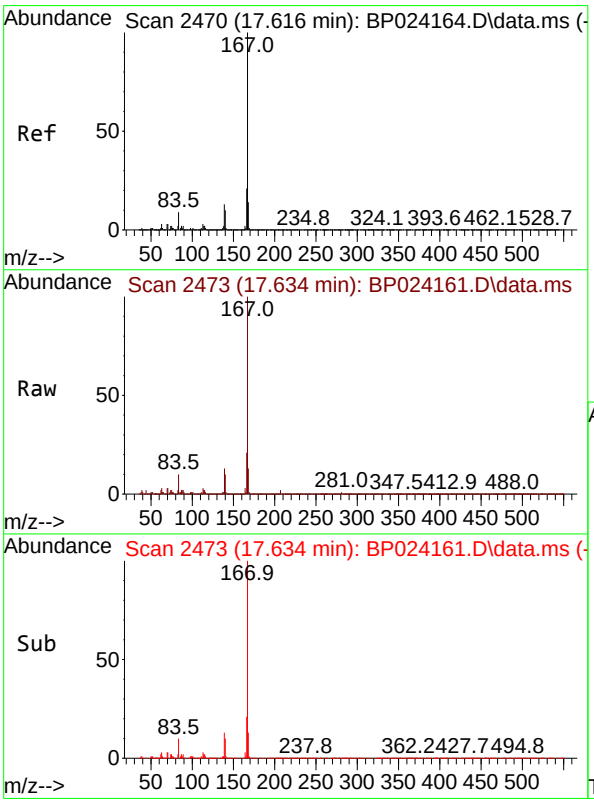
#72
Anthracene
Concen: 4.595 ng
RT: 17.357 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

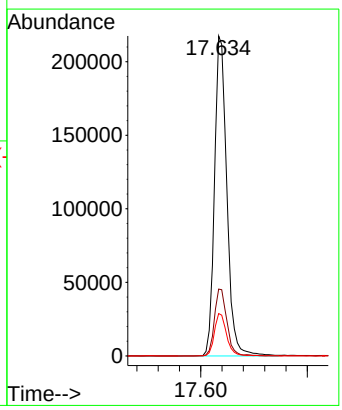


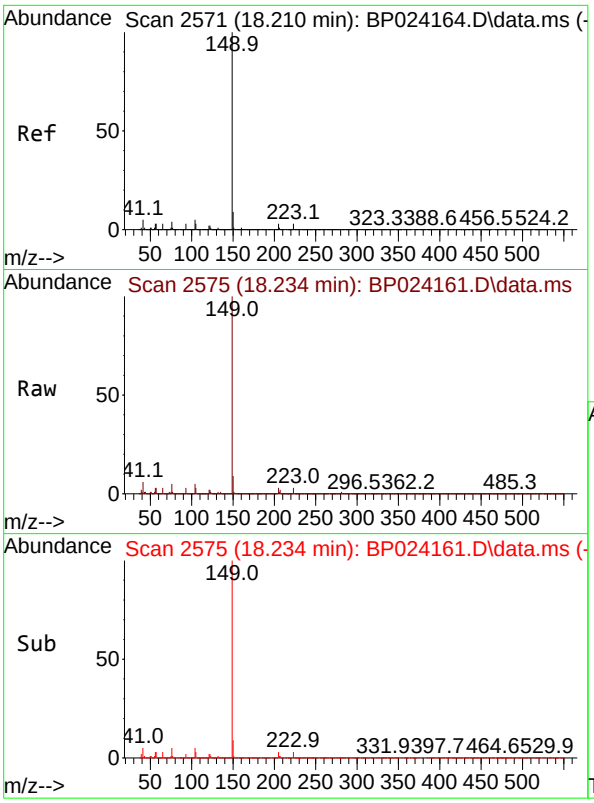


#73
Carbazole
Concen: 4.469 ng
RT: 17.634 min Scan# 2473
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



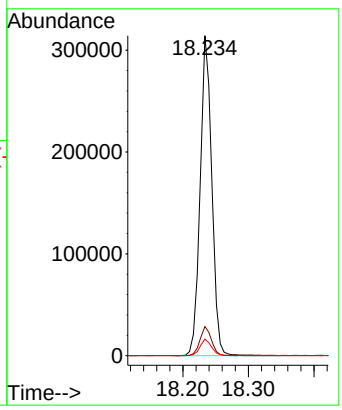


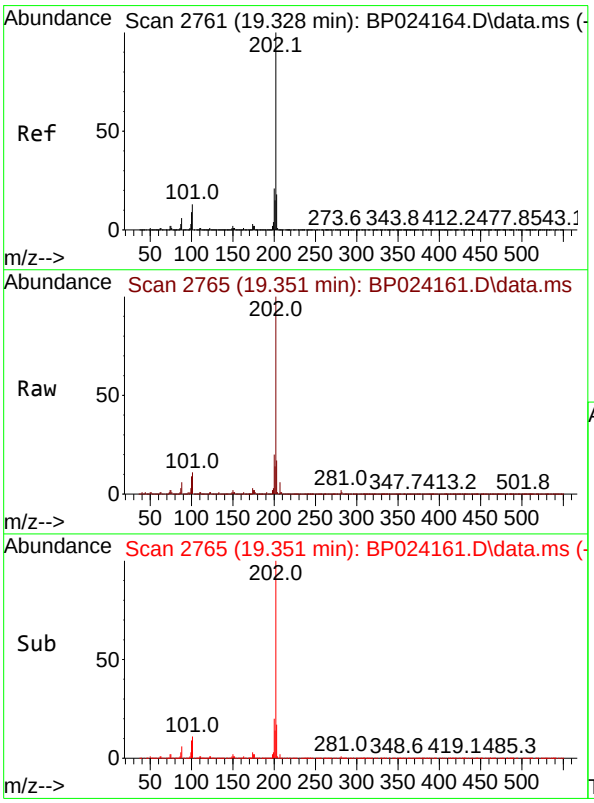
#74
Di-n-butylphthalate
Concen: 4.270 ng
RT: 18.234 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

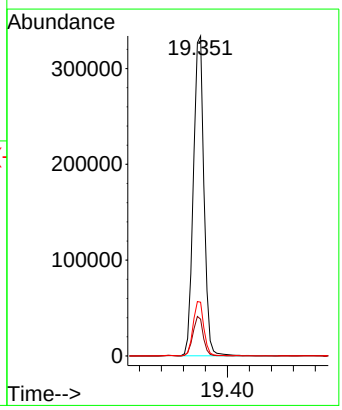


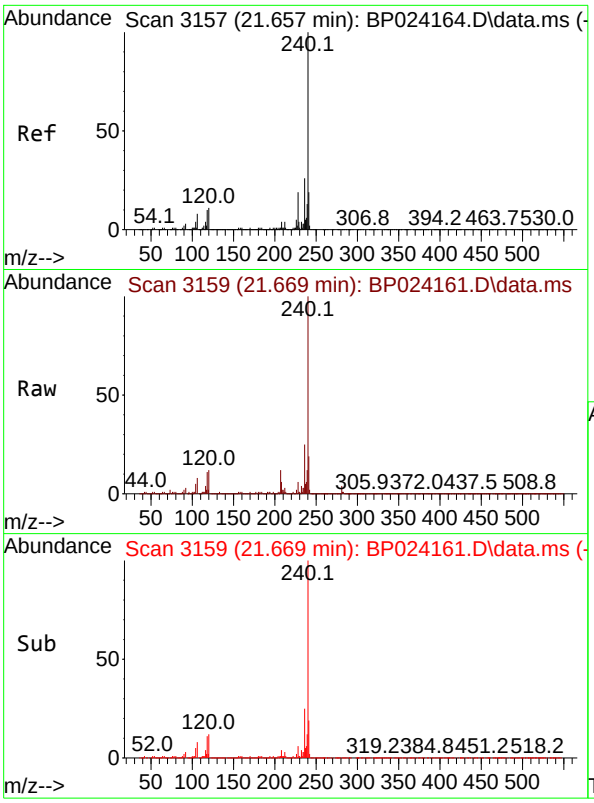


#75
Fluoranthene
Concen: 4.597 ng
RT: 19.351 min Scan# 2765
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



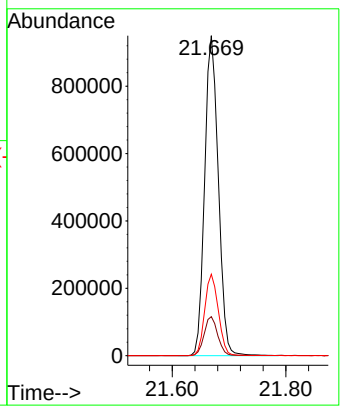


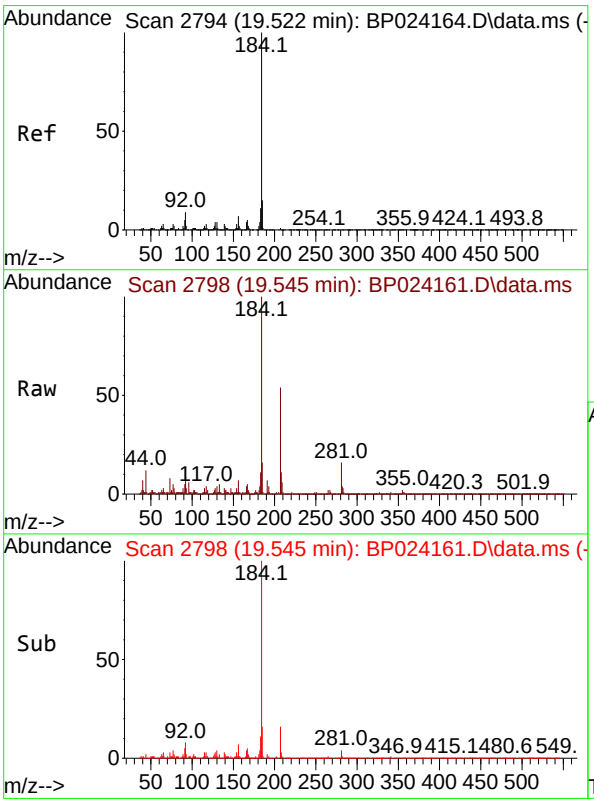
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

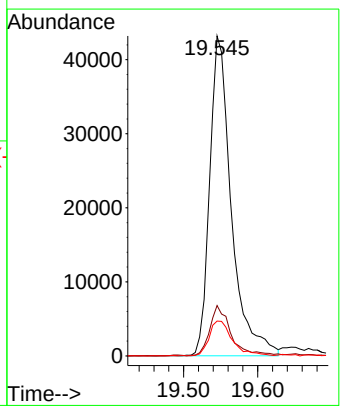


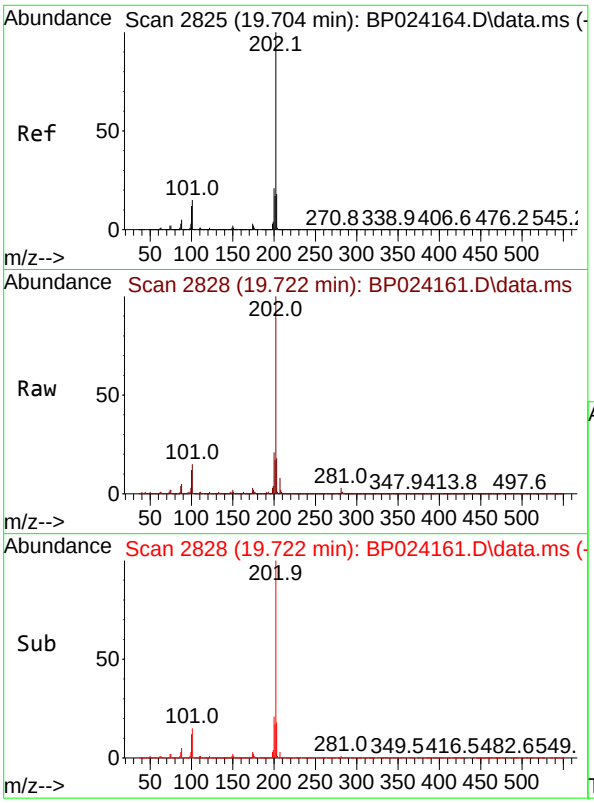


#77
Benzidine
Concen: 4.562 ng
RT: 19.545 min Scan# 2798
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



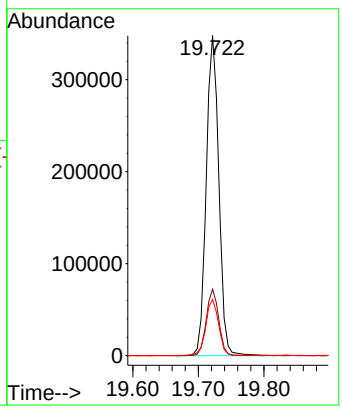


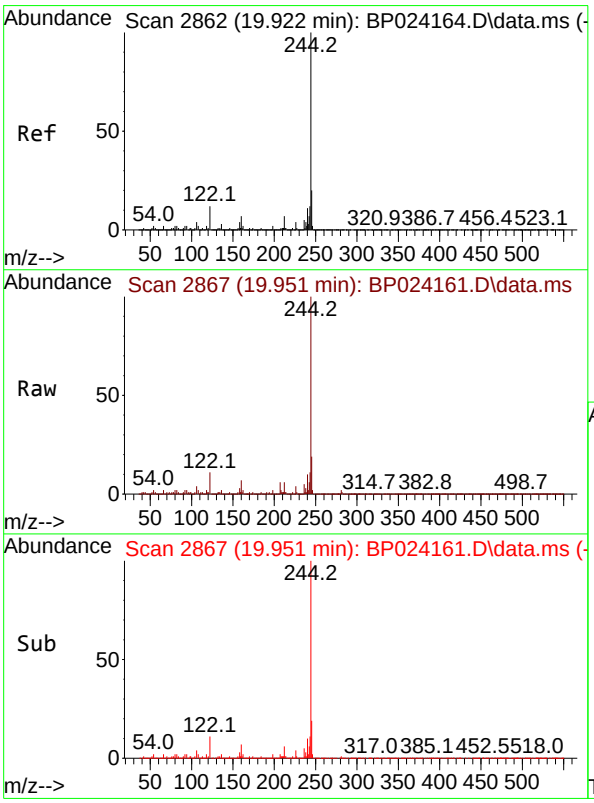
#78
Pyrene
Concen: 4.634 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

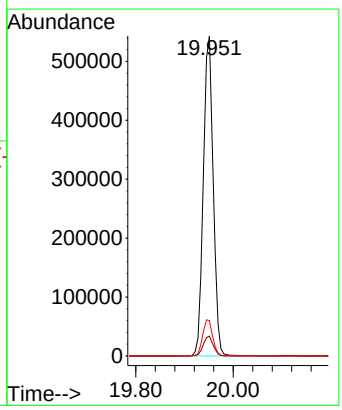


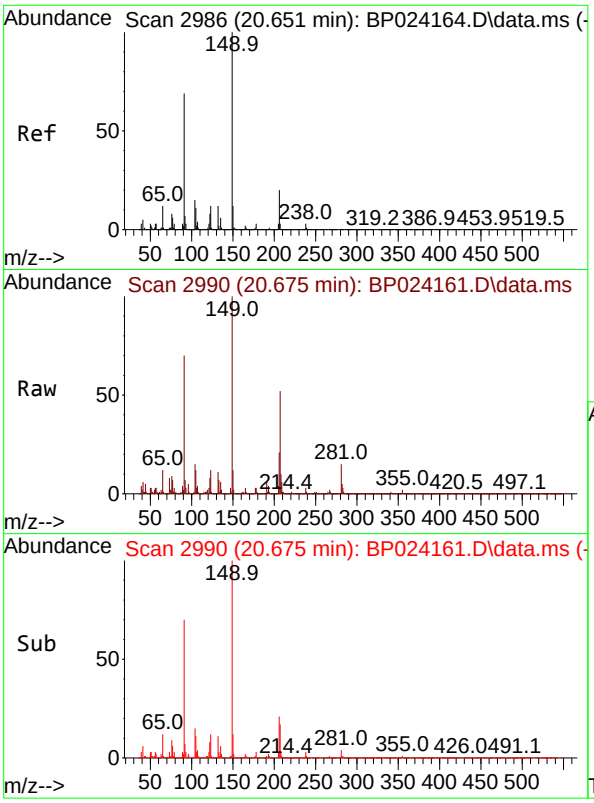


#79
Terphenyl-d14
Concen: 9.563 ng
RT: 19.951 min Scan# 2867
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



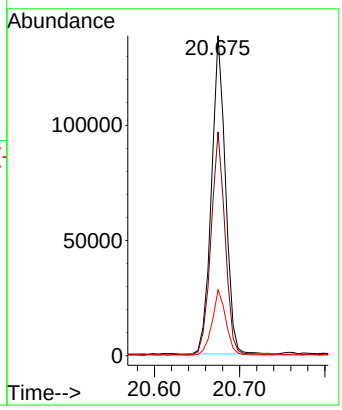


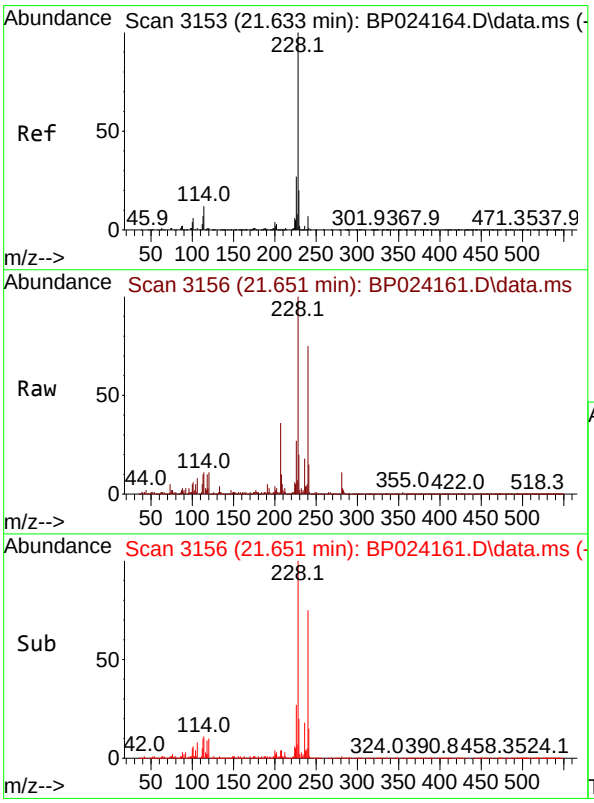
#80
Butylbenzylphthalate
Concen: 4.101 ng
RT: 20.675 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

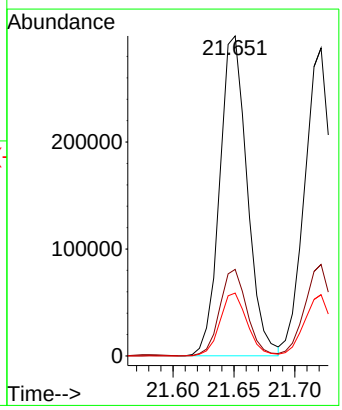


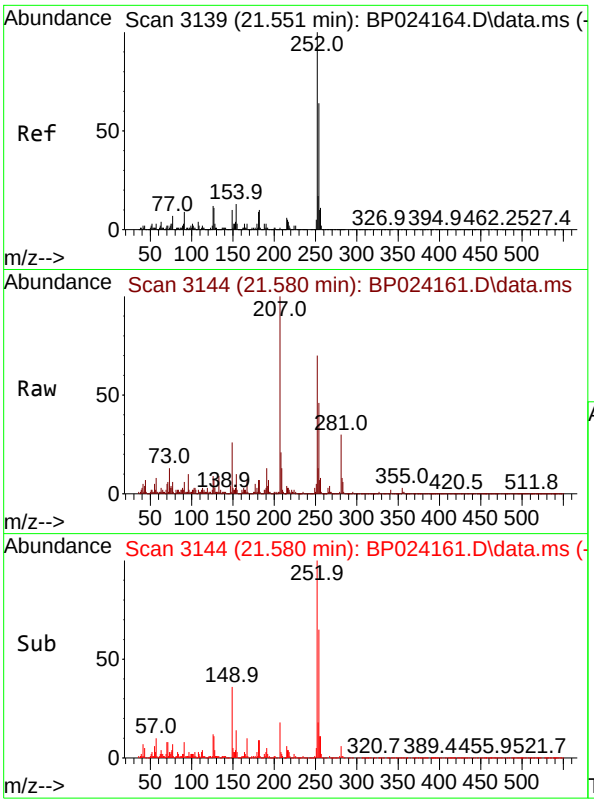


#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 21.651 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



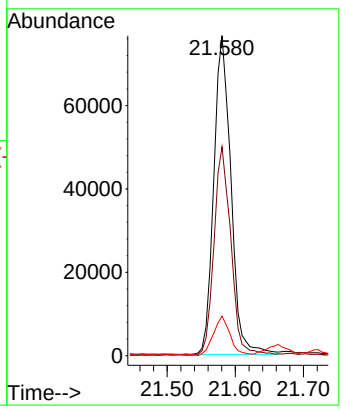


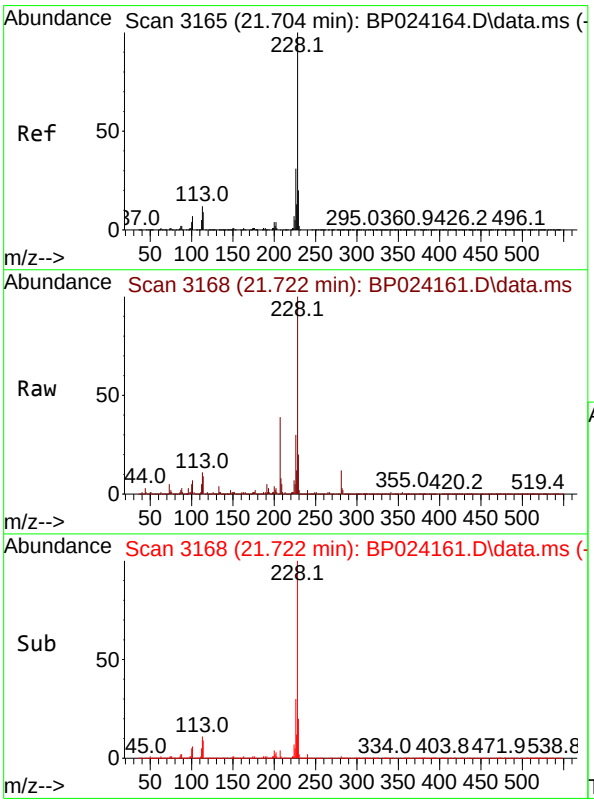
#82
3,3'-Dichlorobenzidine
Concen: 4.336 ng
RT: 21.580 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

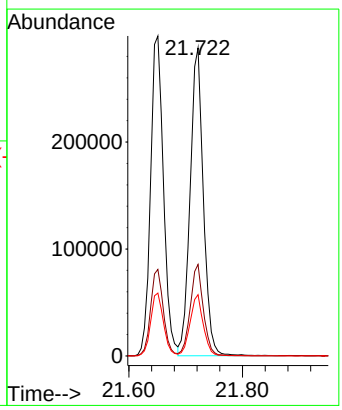


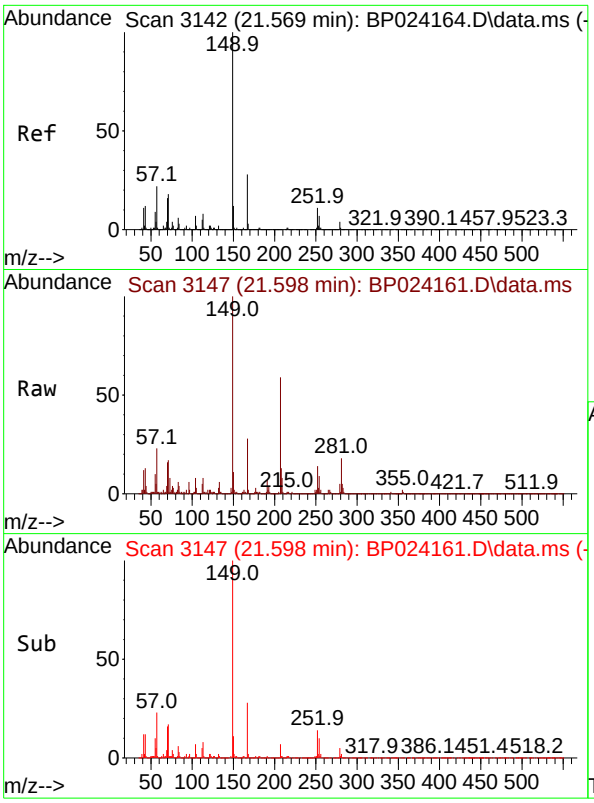


#83
Chrysene
Concen: 4.898 ng
RT: 21.722 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



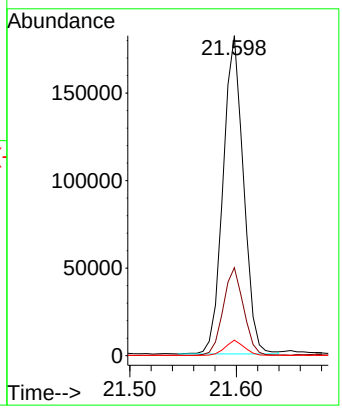


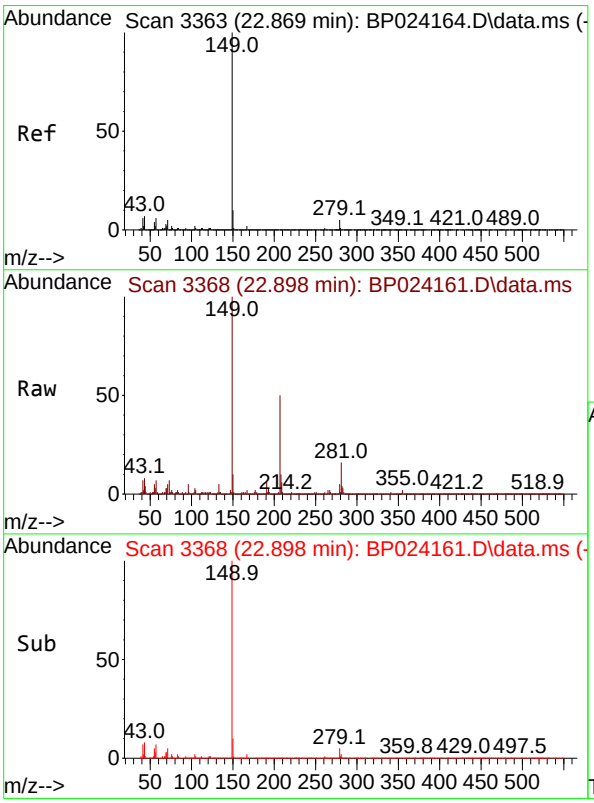
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.153 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

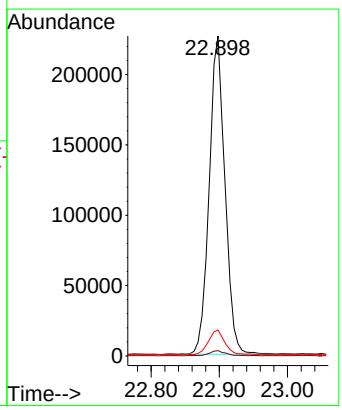


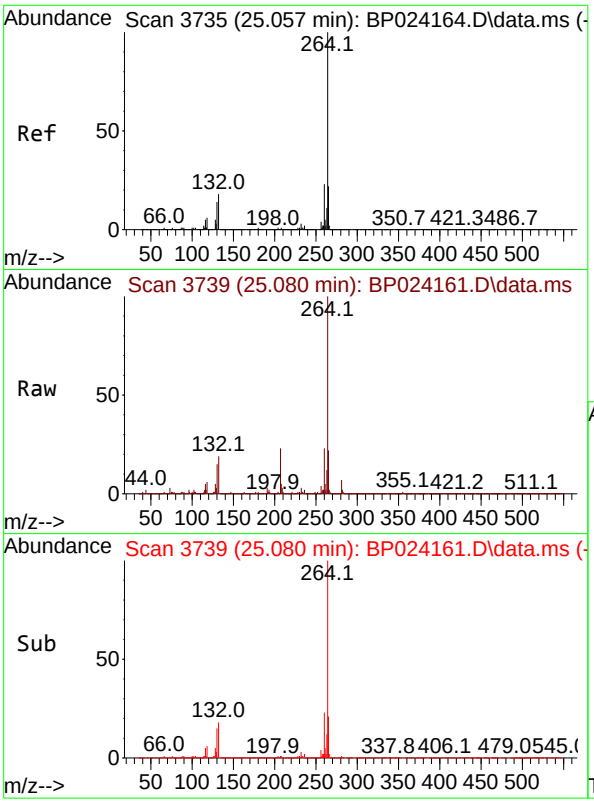


#85
Di-n-octyl phthalate
Concen: 3.905 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



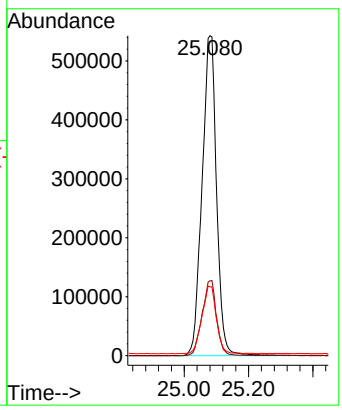


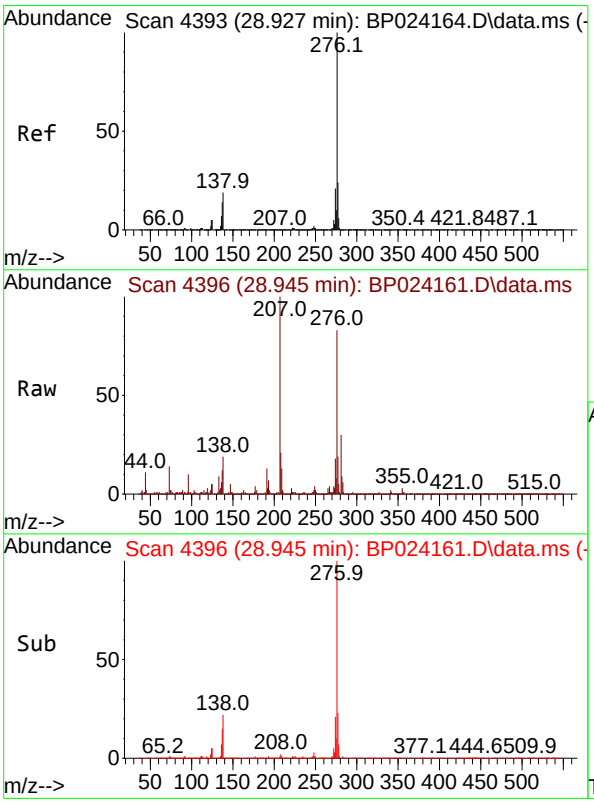
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

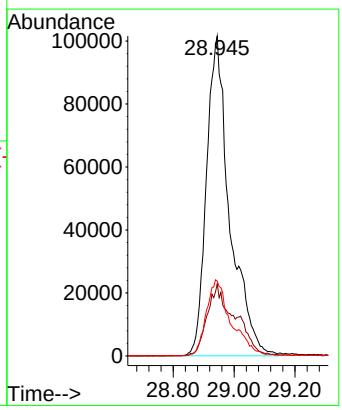


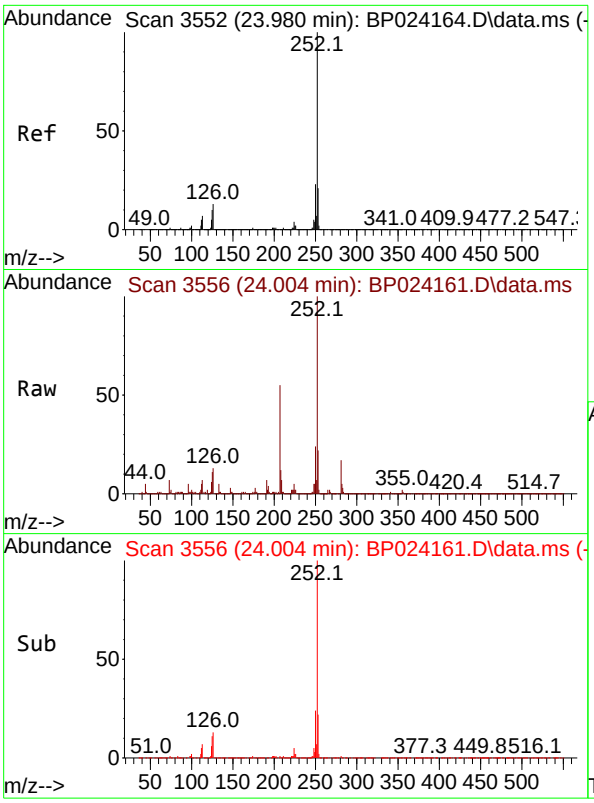


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.476 ng
RT: 28.945 min Scan# 4396
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



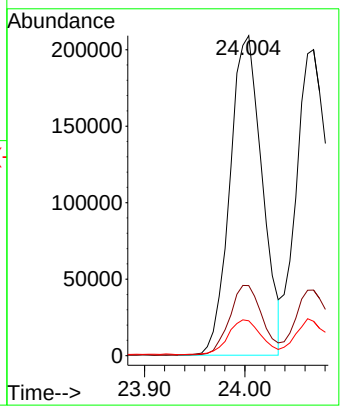


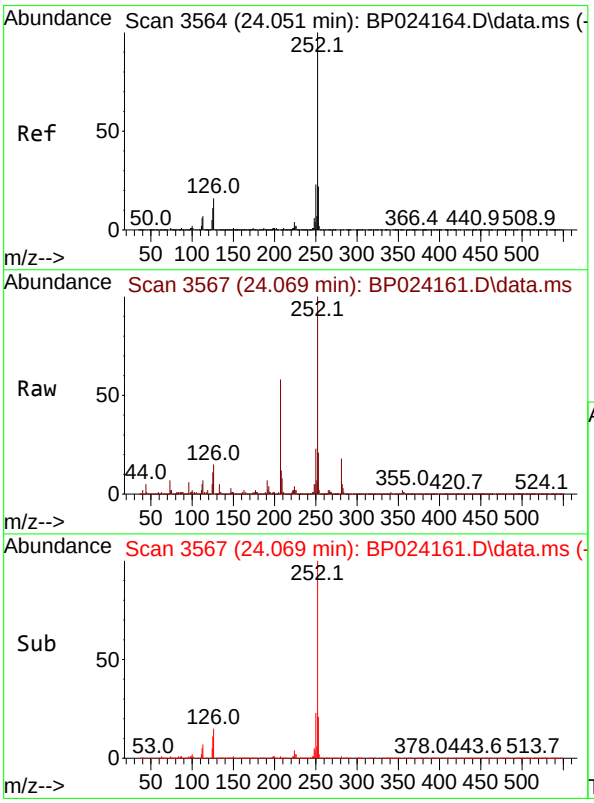
#88
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

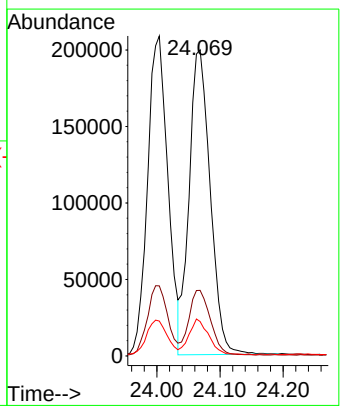


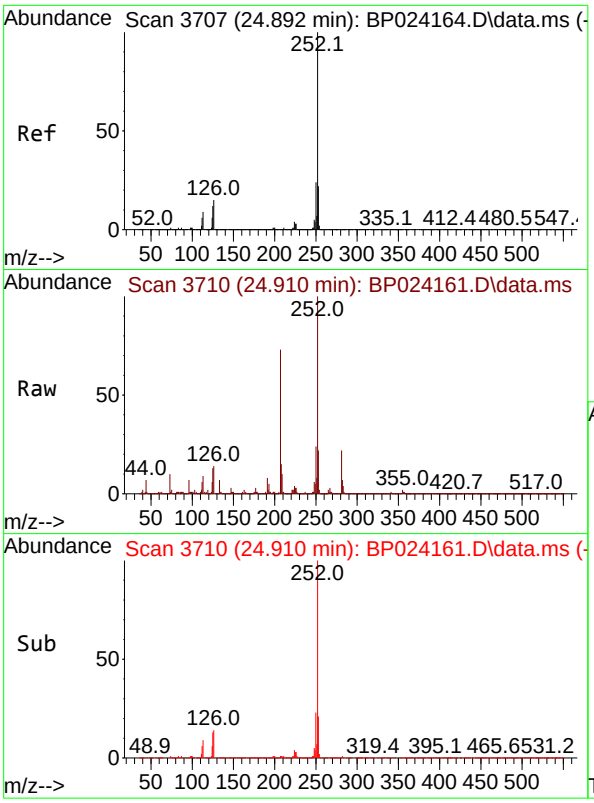


#89
Benzo(k)fluoranthene
Concen: 4.417 ng
RT: 24.069 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



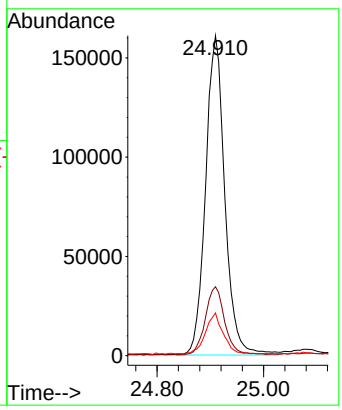


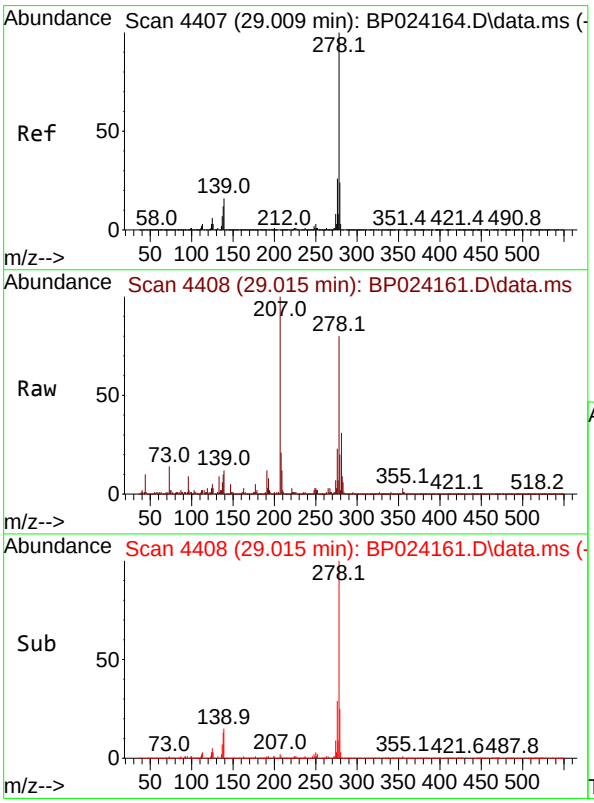
#90
Benzo(a)pyrene
Concen: 4.421 ng
RT: 24.910 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

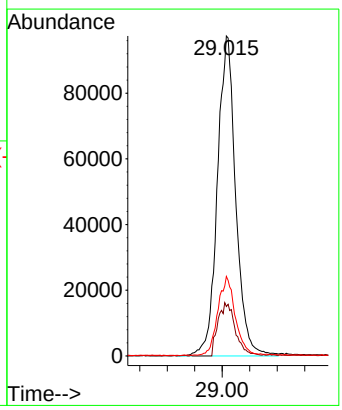


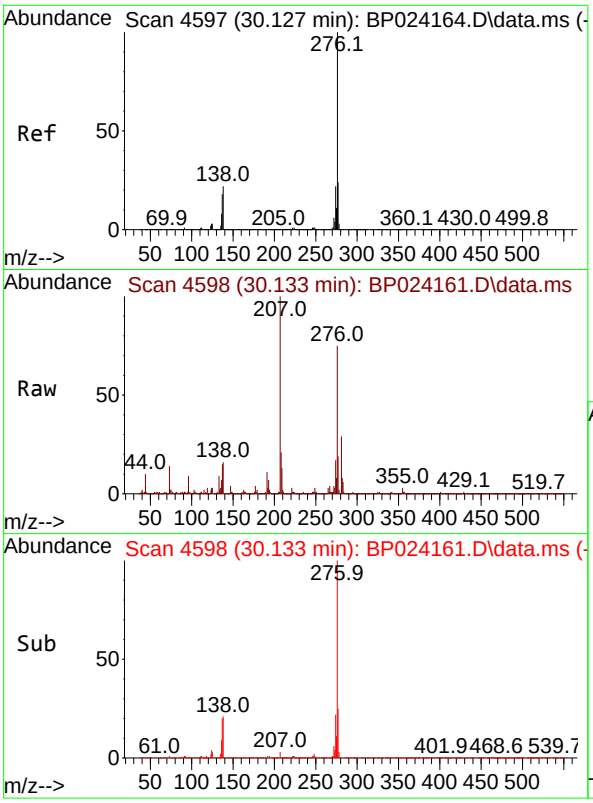


#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.015 min Scan# 4408
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



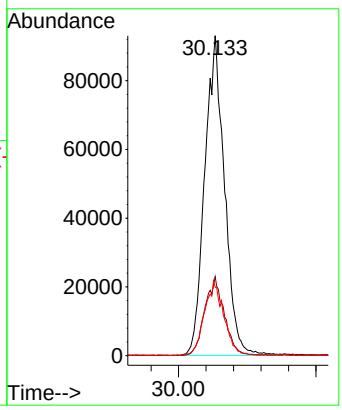


#92
Benzo(g,h,i)perylene
Concen: 4.518 ng
RT: 30.133 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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



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

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

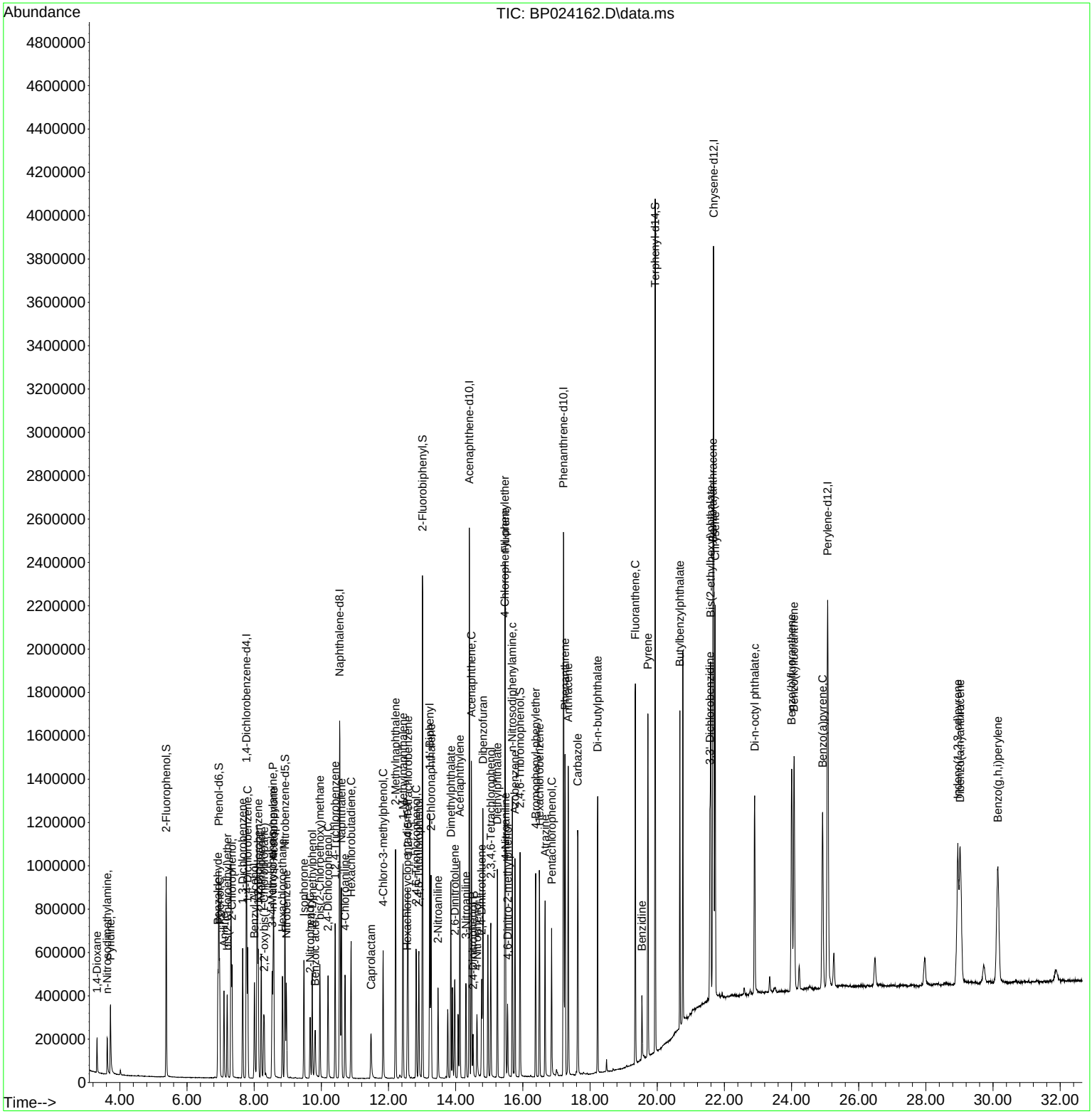
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	159135	8.841	ng		98
46) 1,1'-Biphenyl	13.228	154	647980	9.494	ng		99
47) 2-Chloronaphthalene	13.269	162	483199	9.365	ng		98
48) 2-Nitroaniline	13.475	65	110660	9.079	ng		94
49) Acenaphthylene	14.122	152	714937	9.405	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

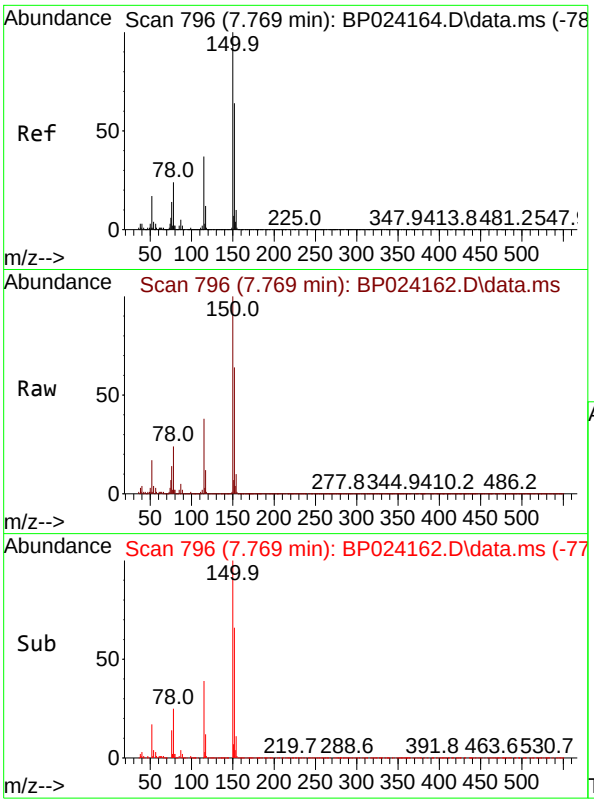
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



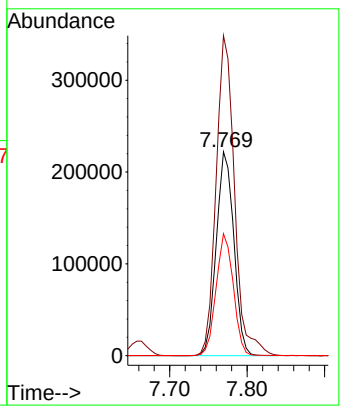


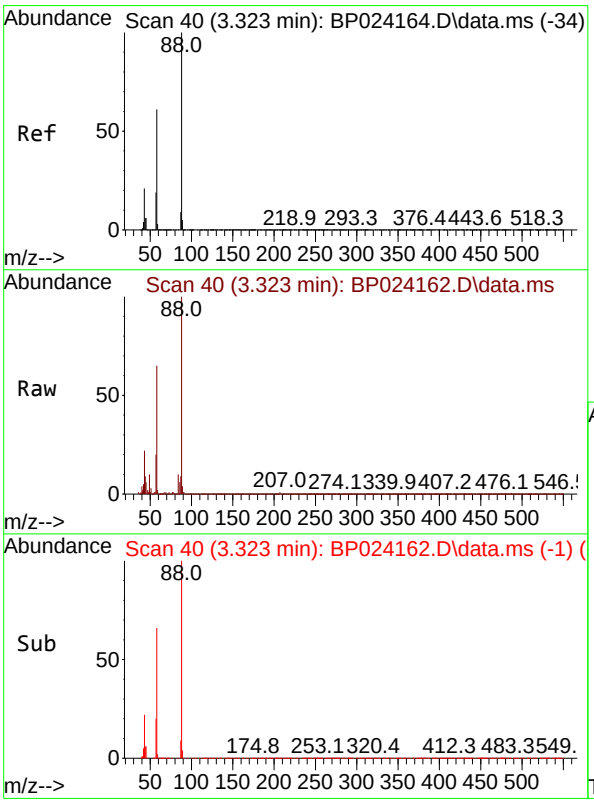
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

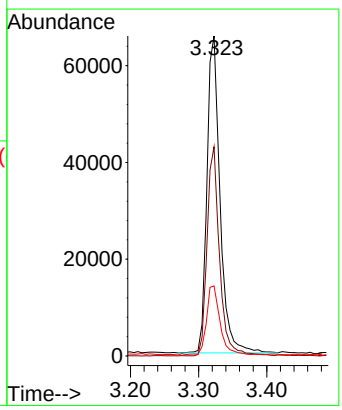


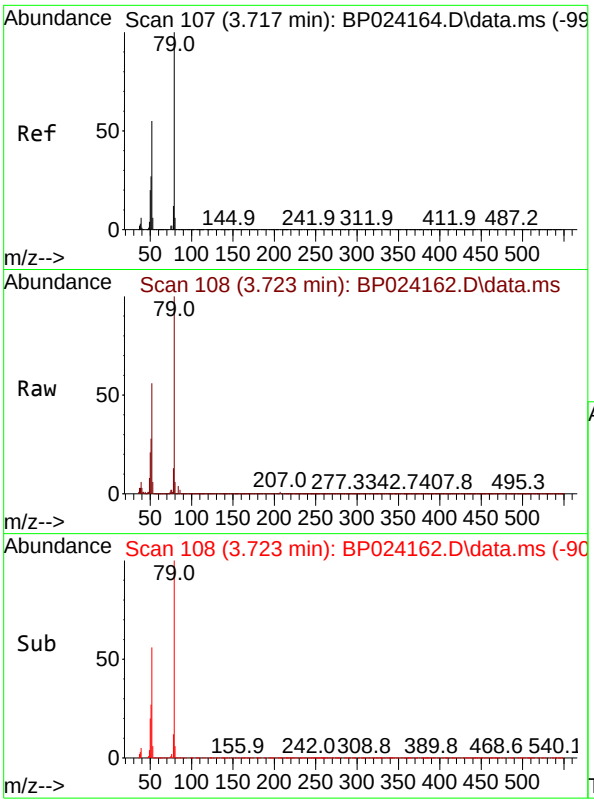


#2
1,4-Dioxane
Concen: 9.934 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



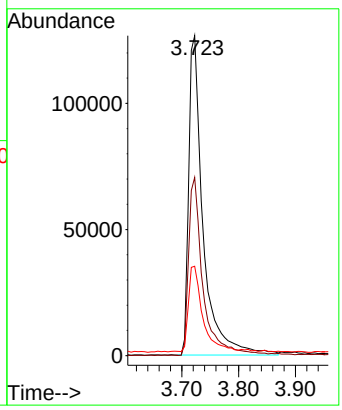


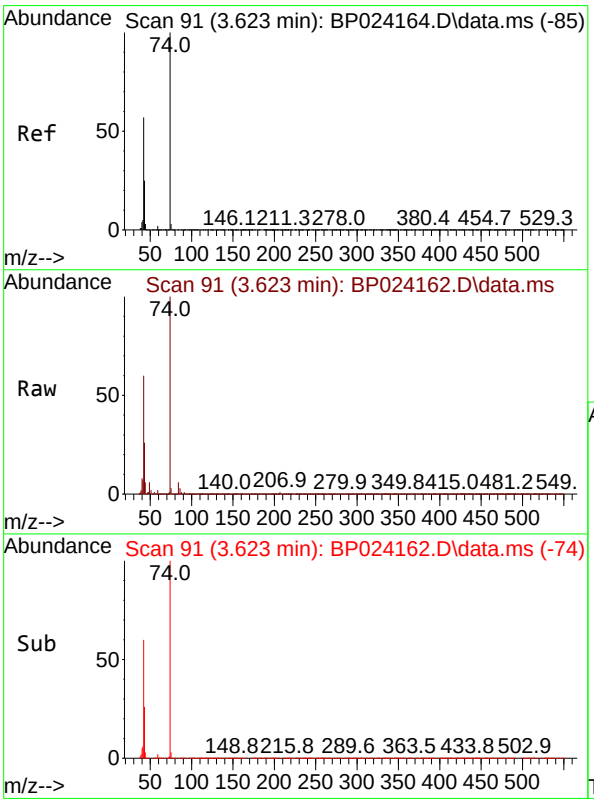
#3
Pyridine
Concen: 9.709 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

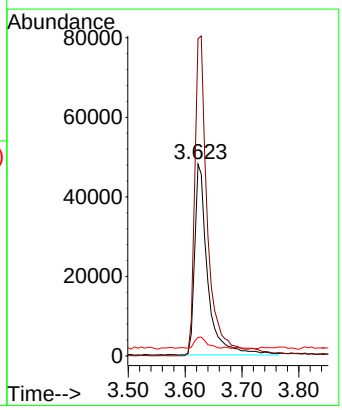


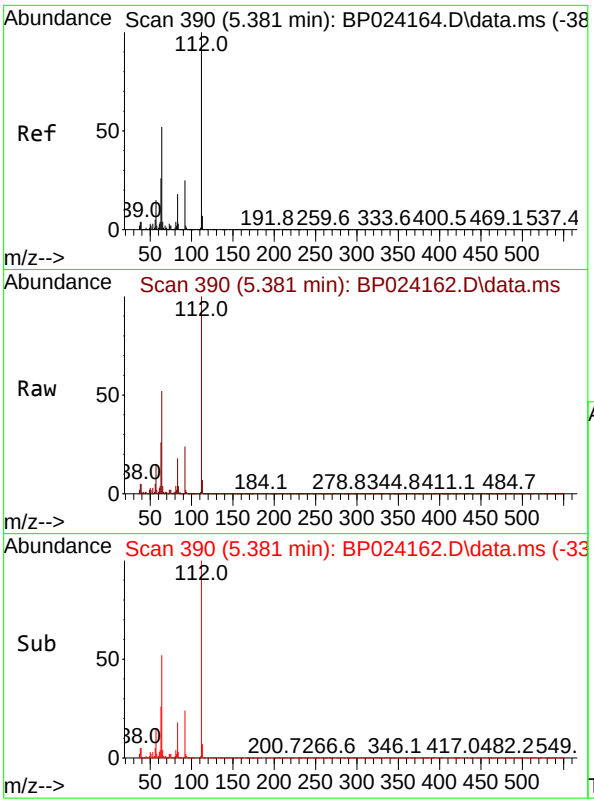


#4
n-Nitrosodimethylamine
Concen: 9.413 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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#



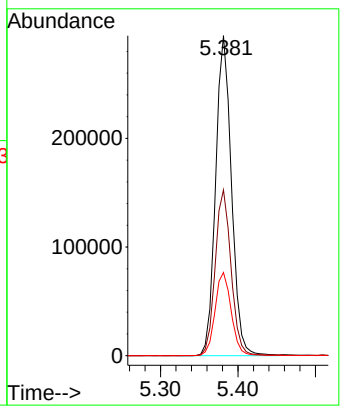


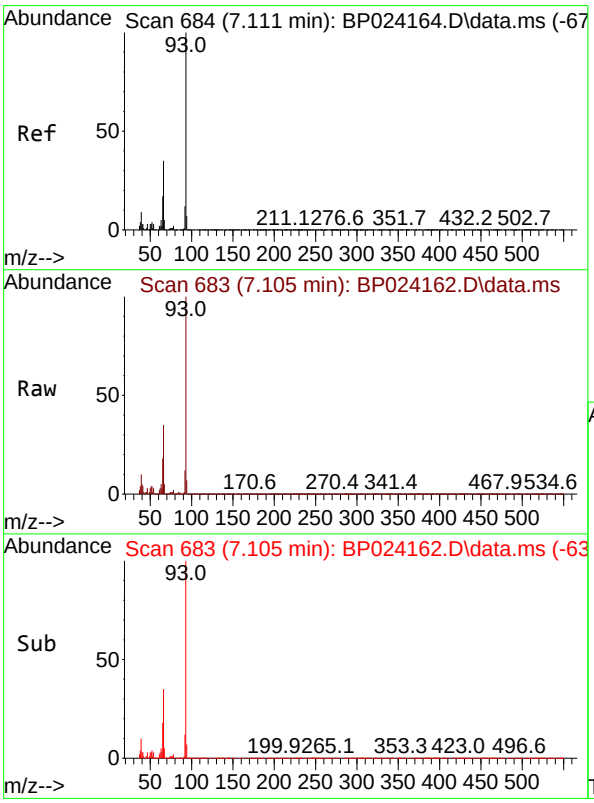
#5
2-Fluorophenol
Concen: 18.636 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

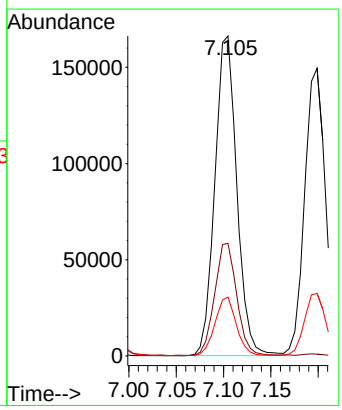


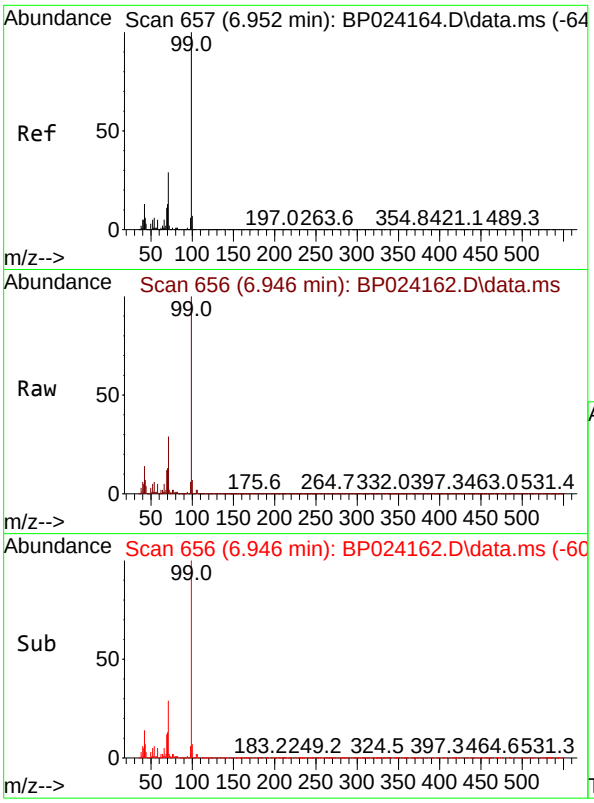


#6
Aniline
Concen: 10.145 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



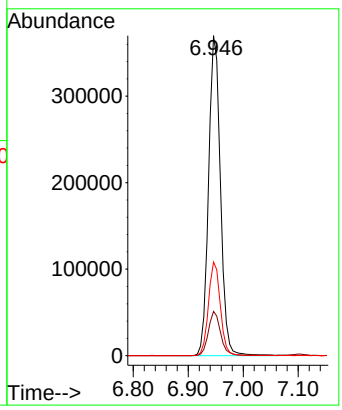


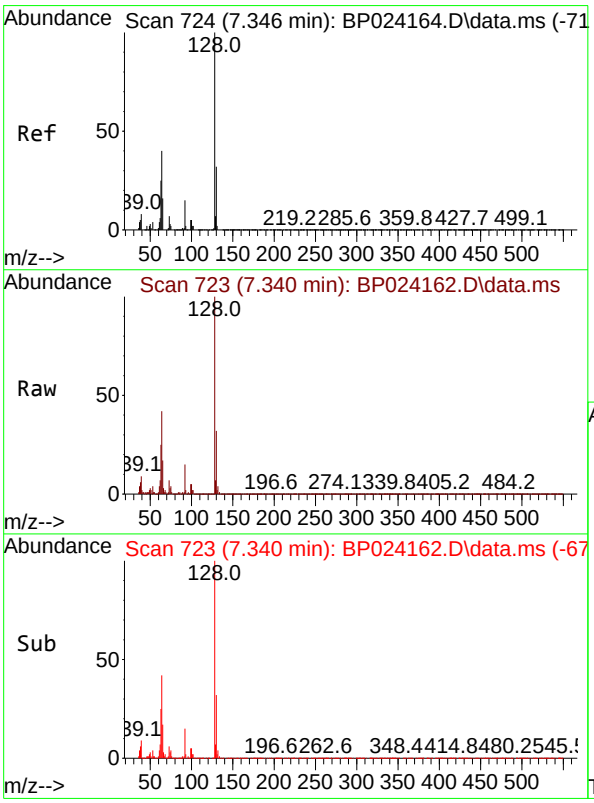
#7
Phenol-d6
Concen: 19.188 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

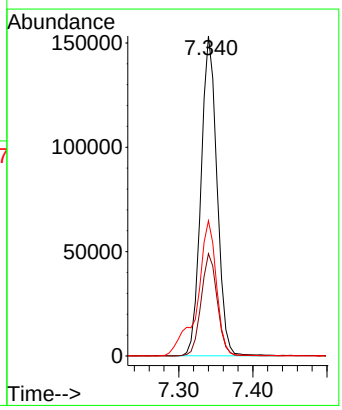


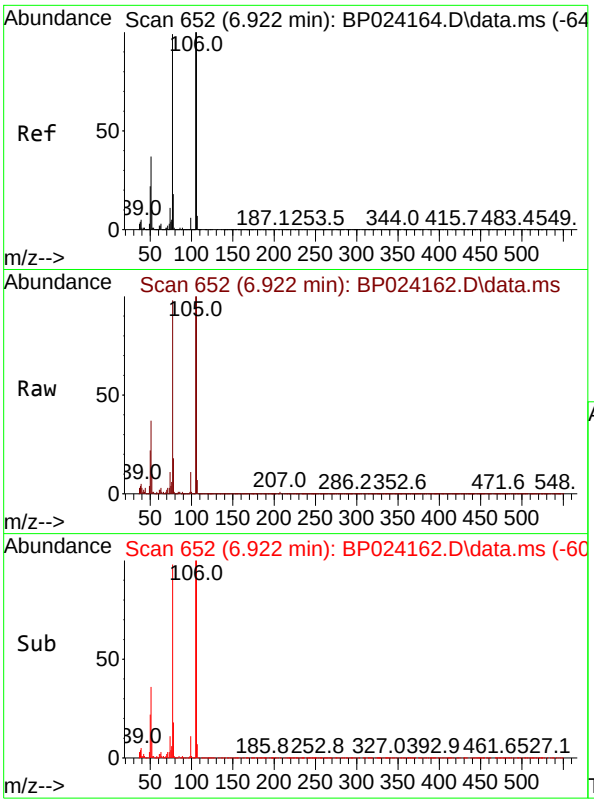


#8
2-Chlorophenol
Concen: 9.655 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



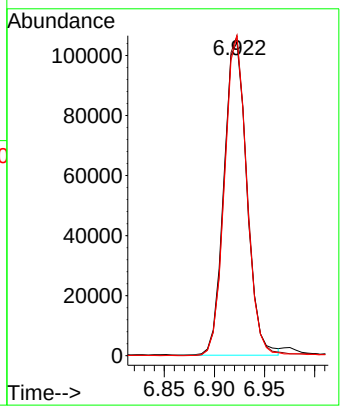


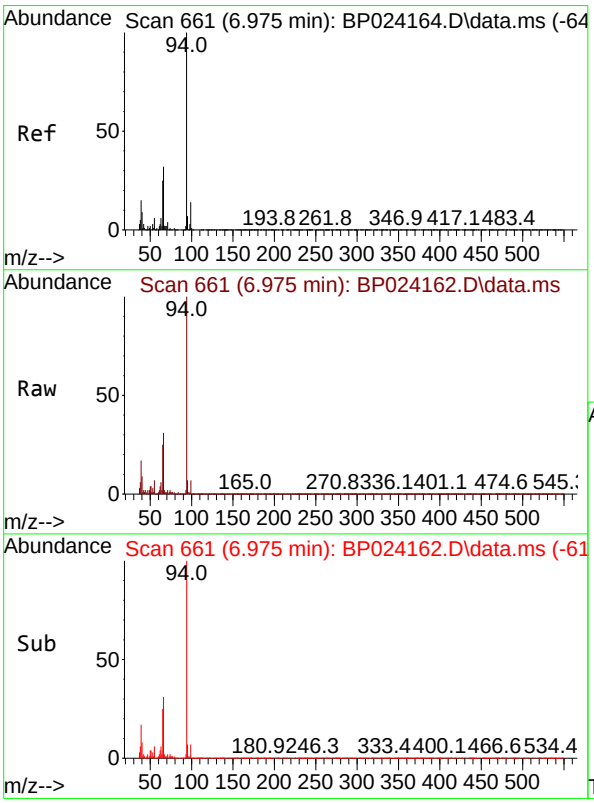
#9
Benzaldehyde
Concen: 12.620 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

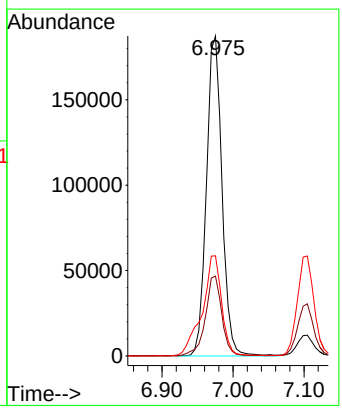


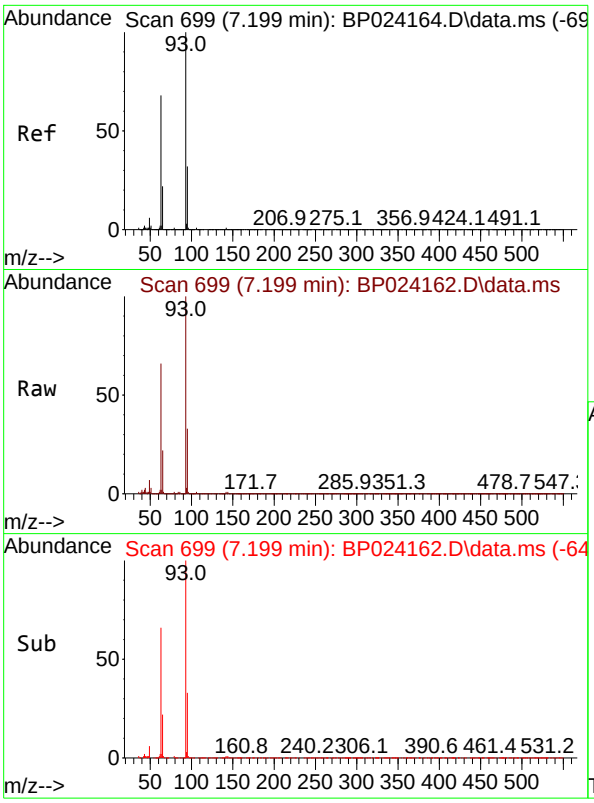


#10
Phenol
Concen: 9.849 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



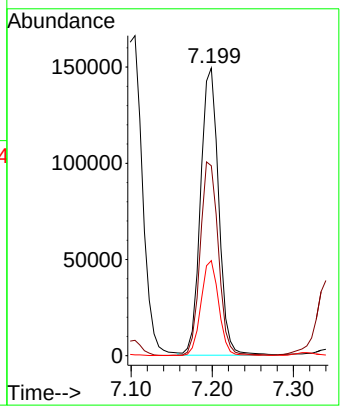


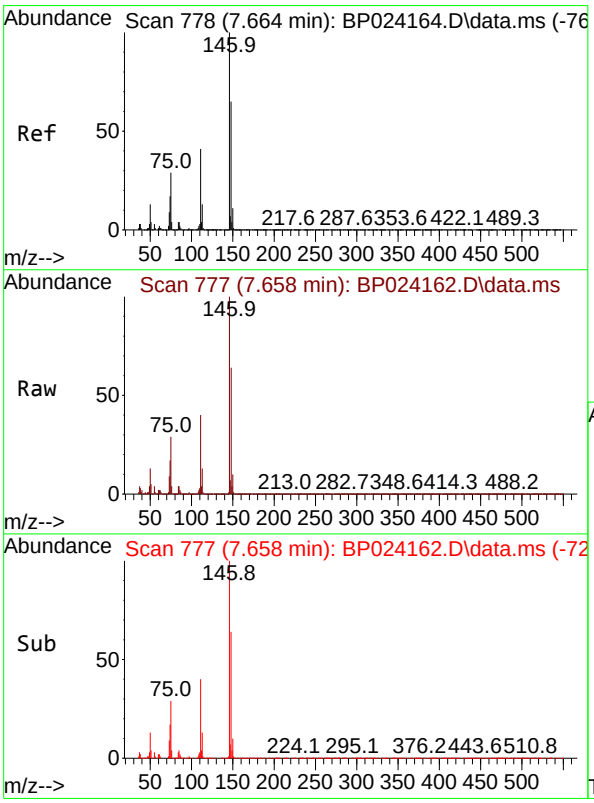
#11
bis(2-Chloroethyl)ether
Concen: 10.095 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

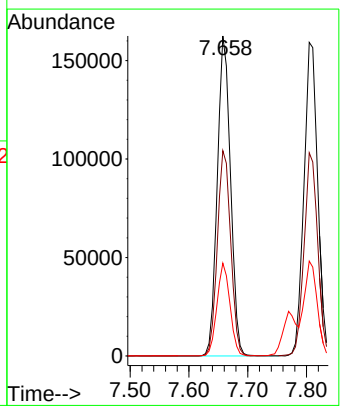


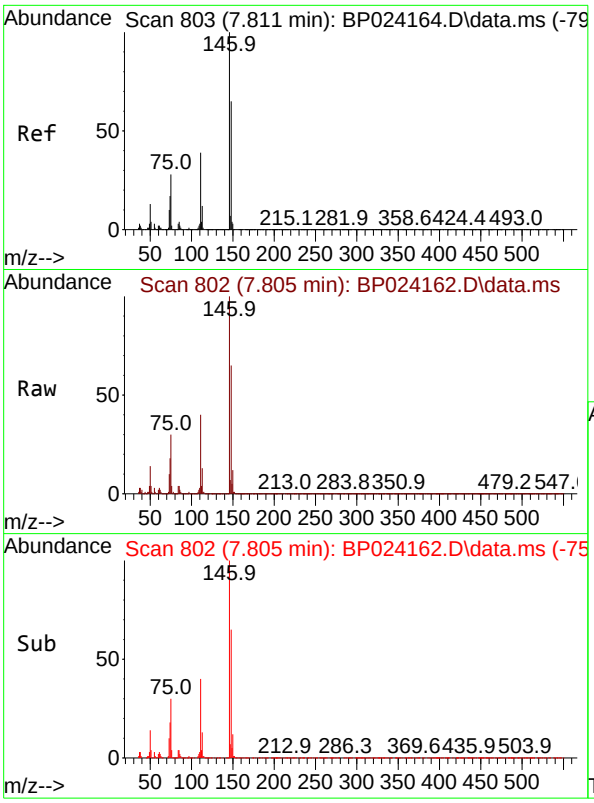


#12
1,3-Dichlorobenzene
Concen: 9.715 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



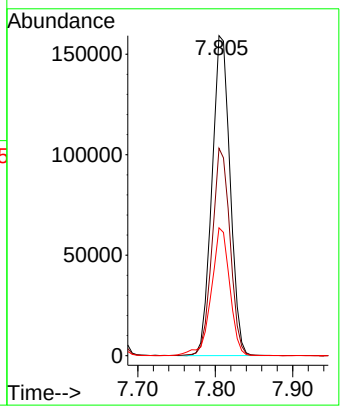


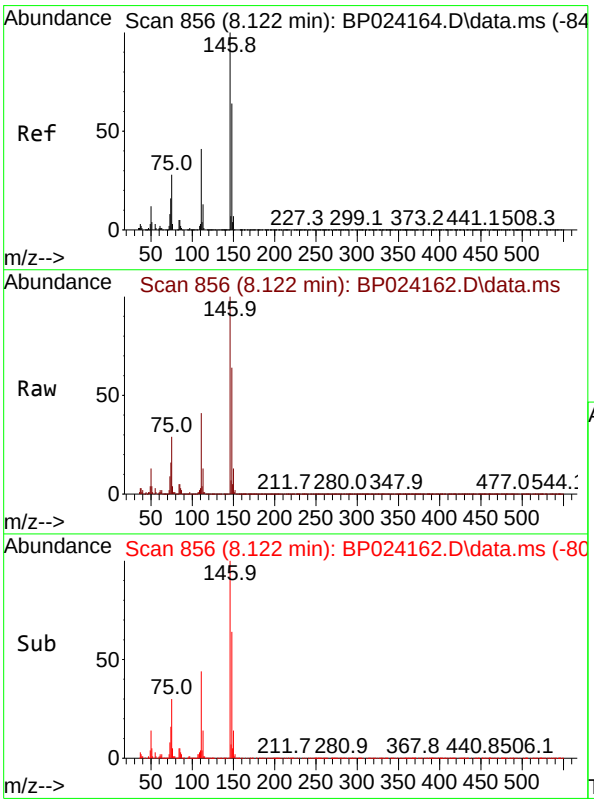
#13
1,4-Dichlorobenzene
Concen: 9.777 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

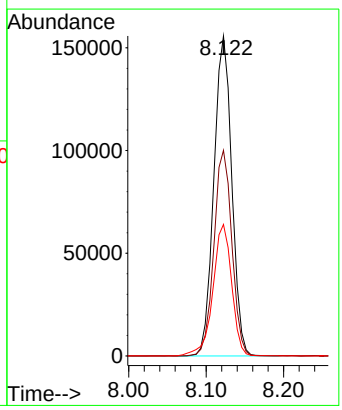


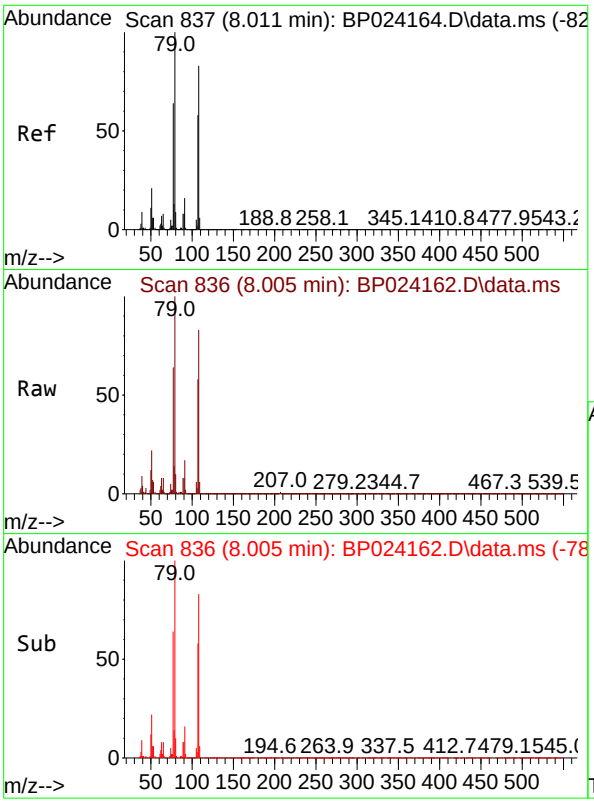


#14
1,2-Dichlorobenzene
Concen: 9.856 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



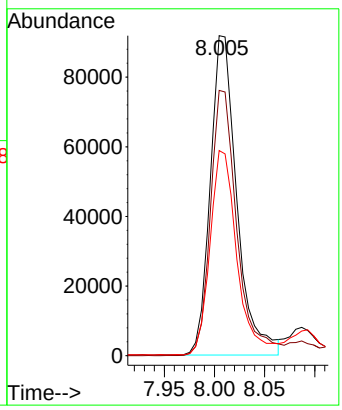


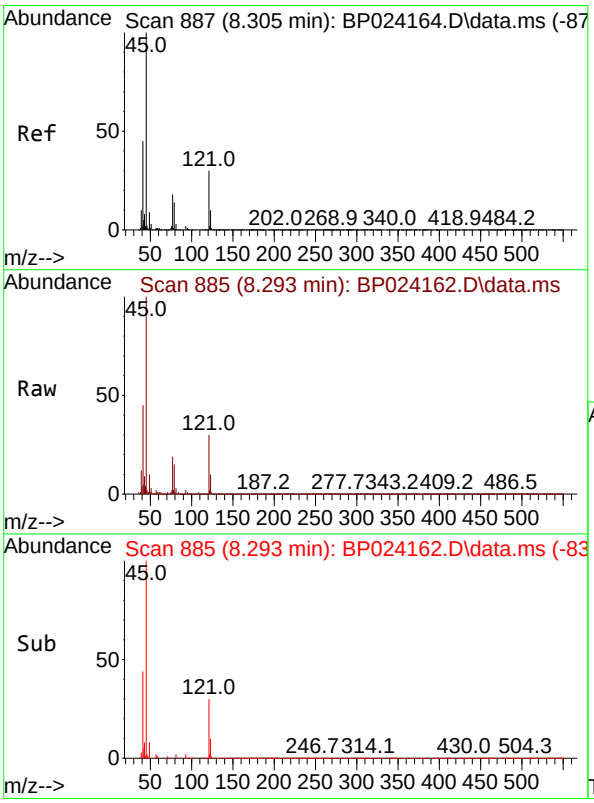
#15
Benzyl Alcohol
Concen: 9.584 ng
RT: 8.005 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

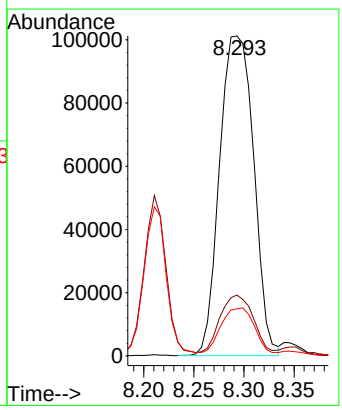


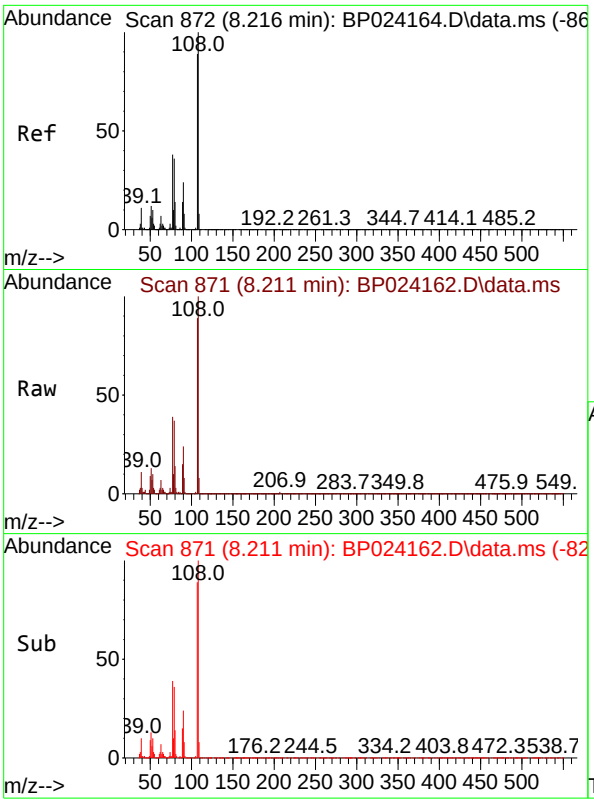


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.794 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



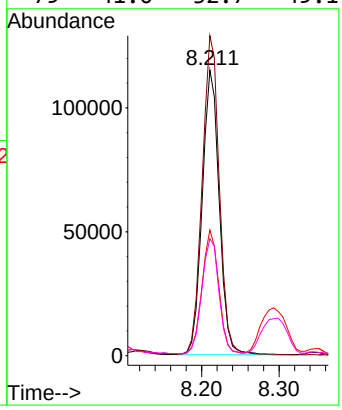


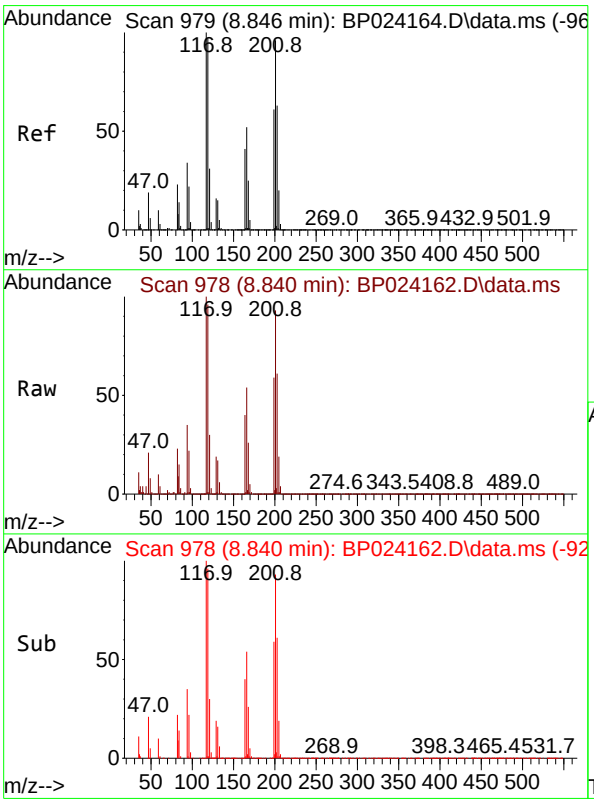
#17
2-Methylphenol
Concen: 9.876 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

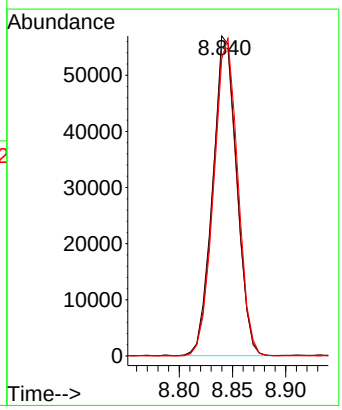


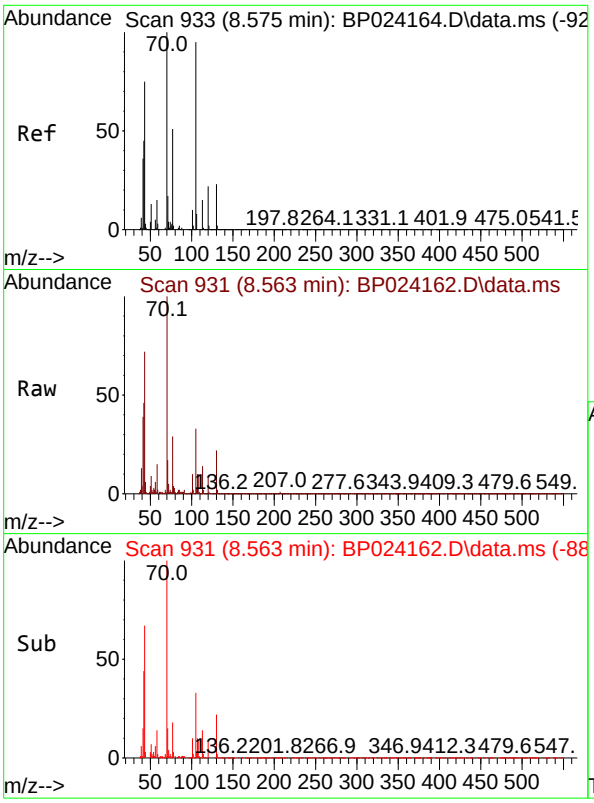


#18
Hexachloroethane
Concen: 9.439 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



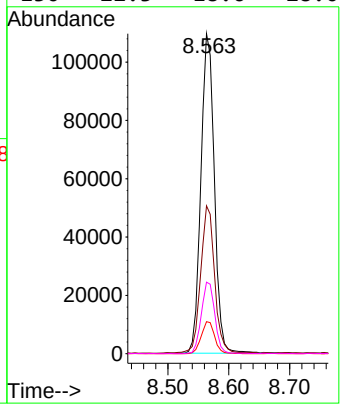


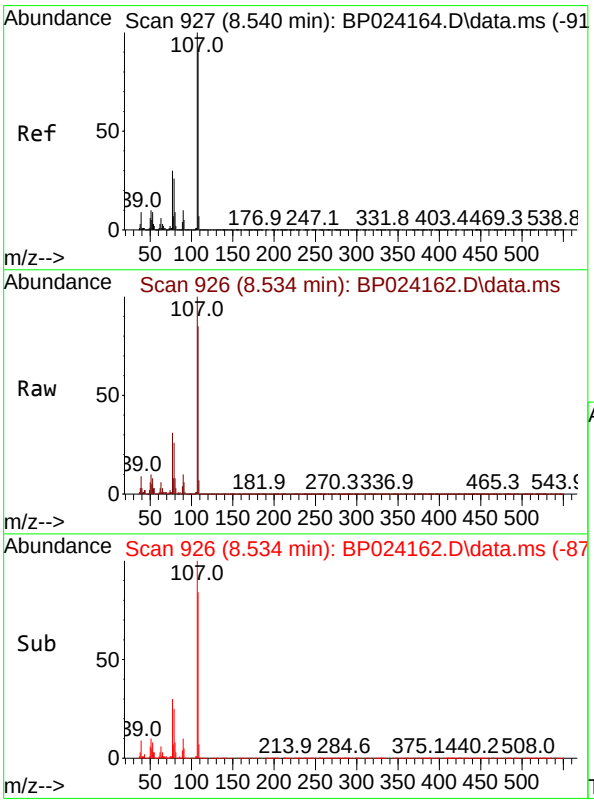
#19
n-Nitroso-di-n-propylamine
Concen: 10.797 ng
RT: 8.563 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

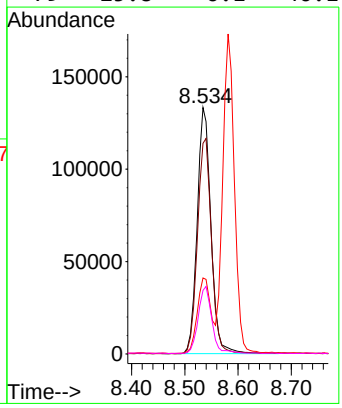


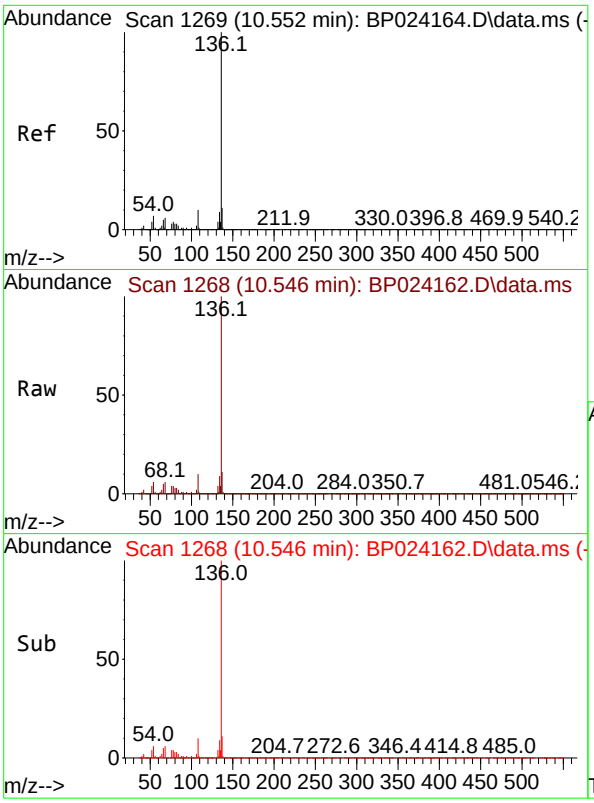


#20
3+4-Methylphenols
Concen: 9.906 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



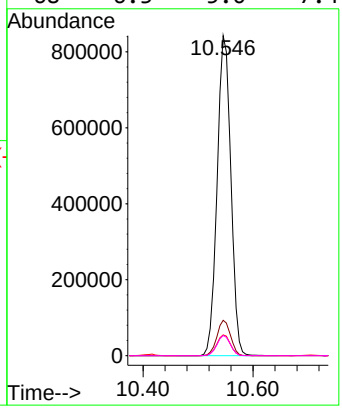


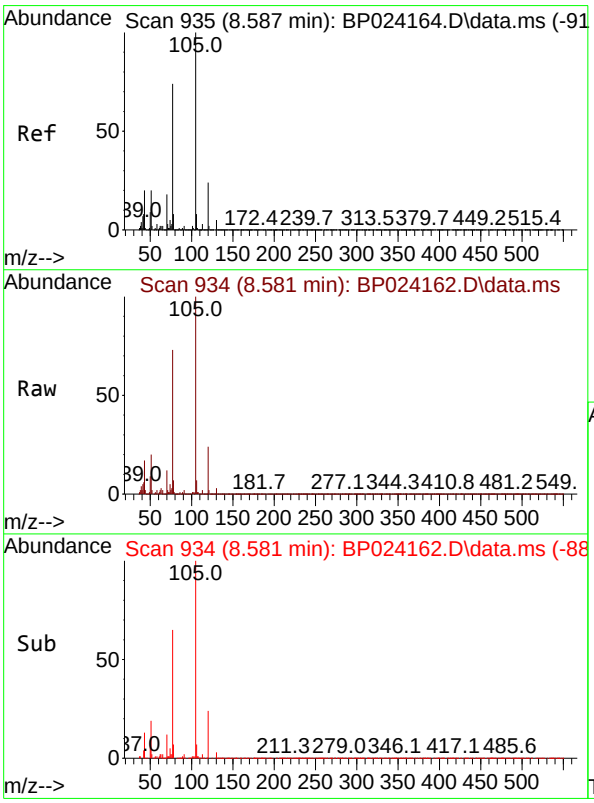
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

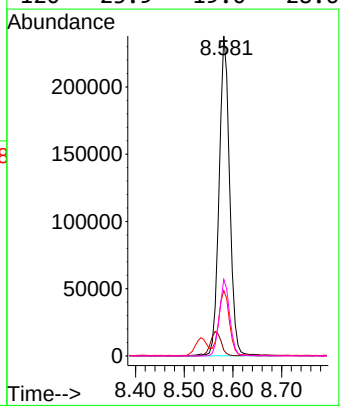


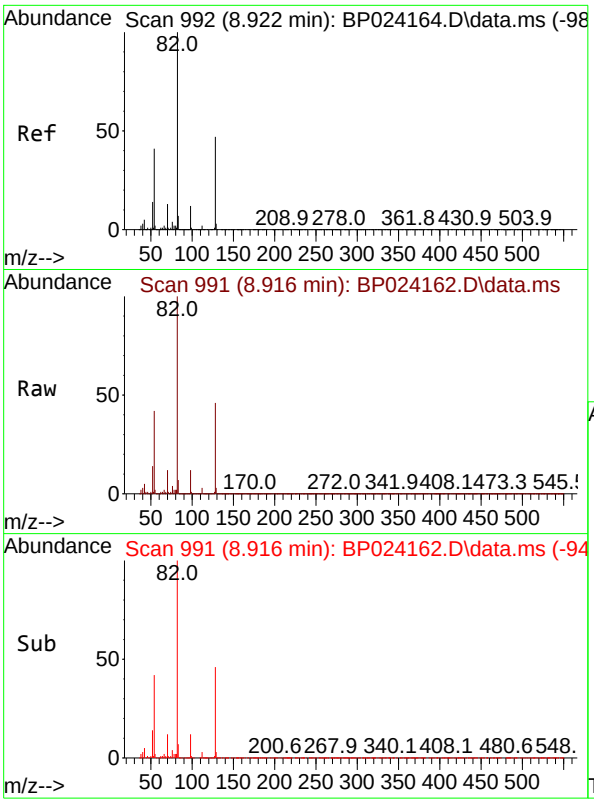


#22
Acetophenone
Concen: 9.536 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



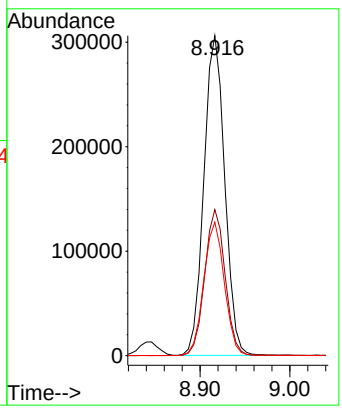


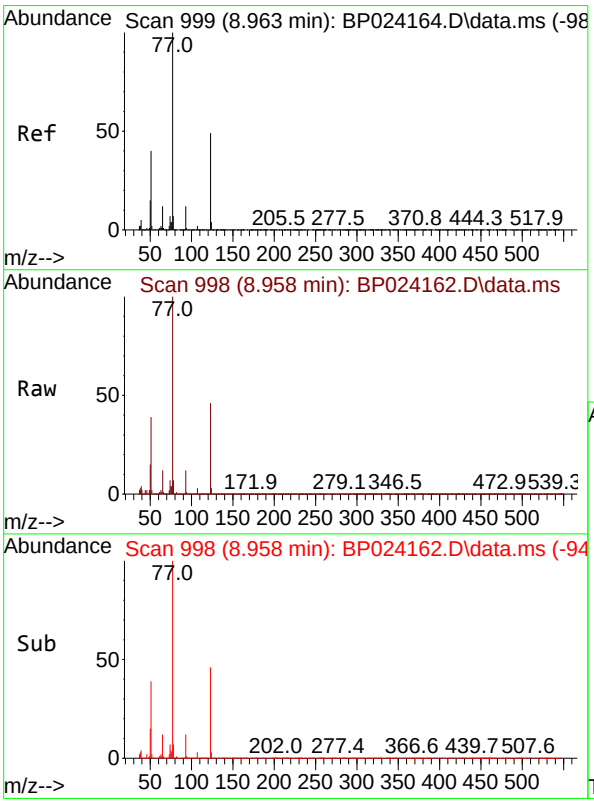
#23
Nitrobenzene-d5
Concen: 18.856 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

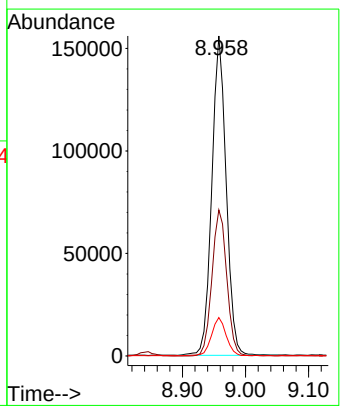


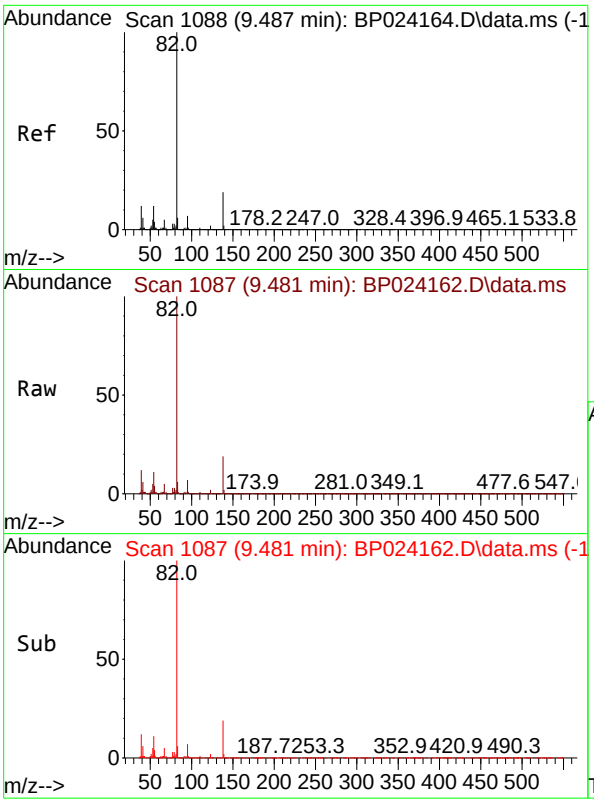


#24
Nitrobenzene
Concen: 9.536 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



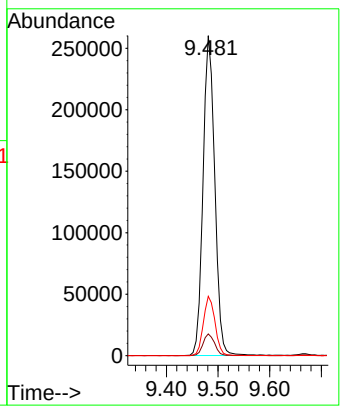


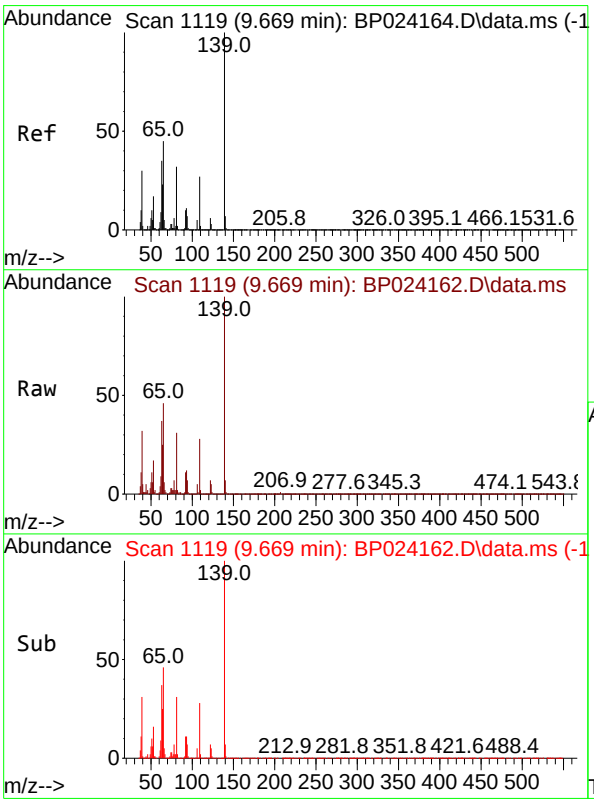
#25
Isophorone
Concen: 9.590 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

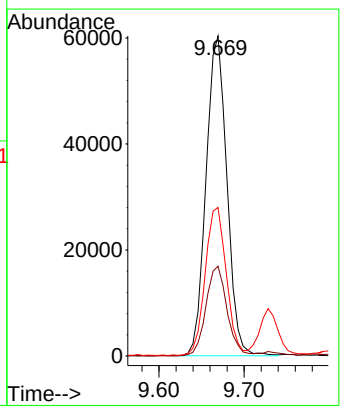


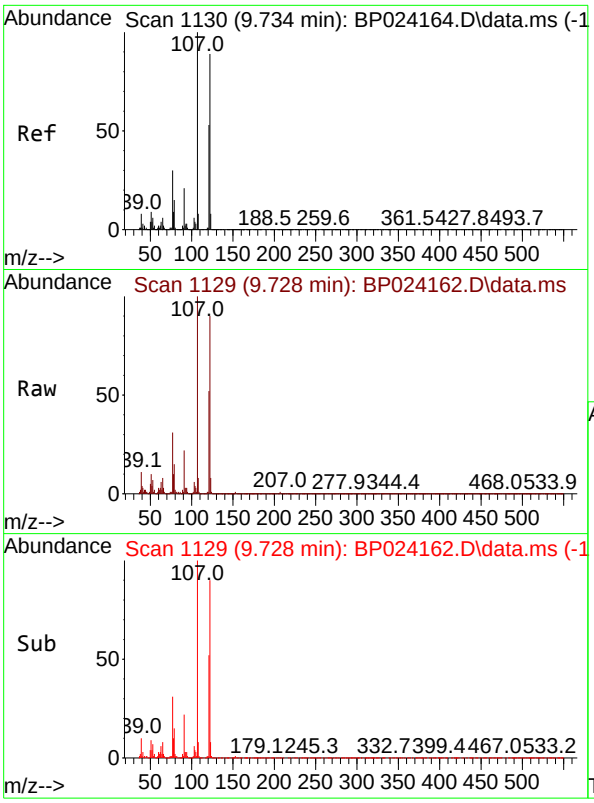


#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



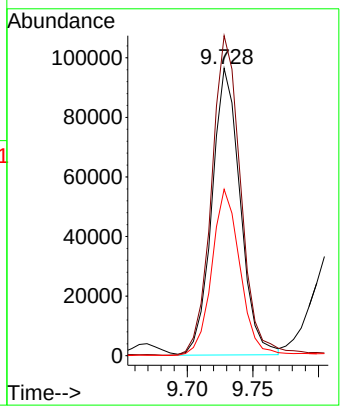


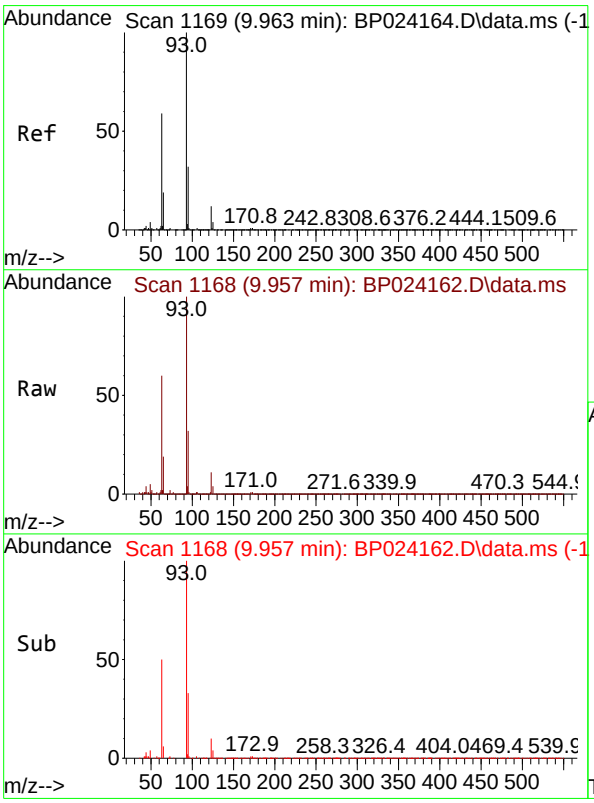
#27
2,4-Dimethylphenol
Concen: 9.265 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

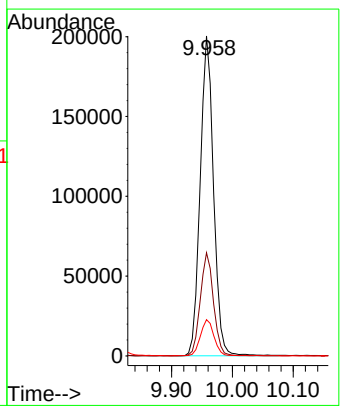


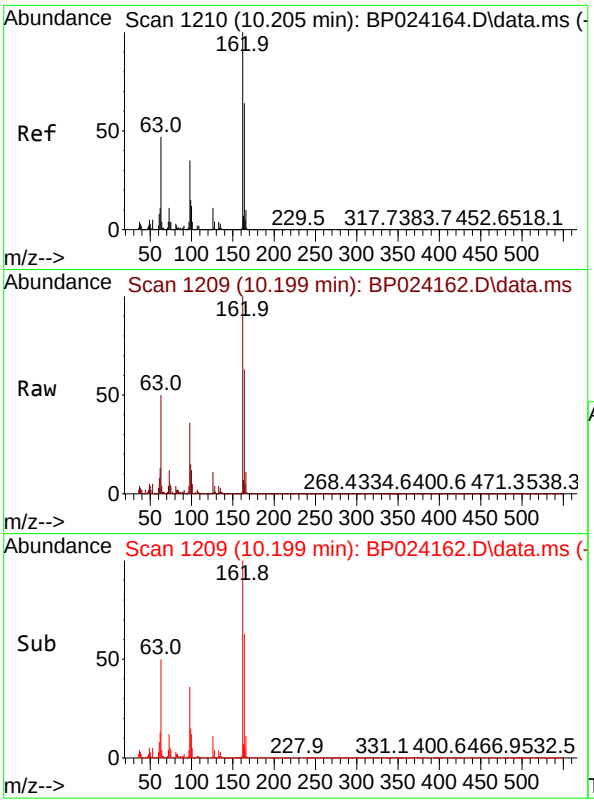


#28
bis(2-Chloroethoxy)methane
Concen: 9.838 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



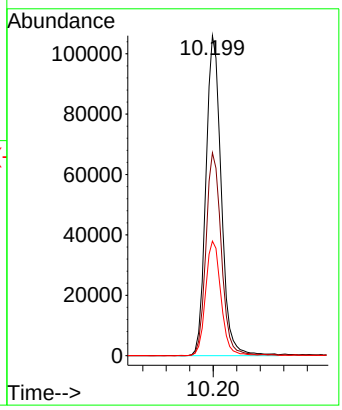


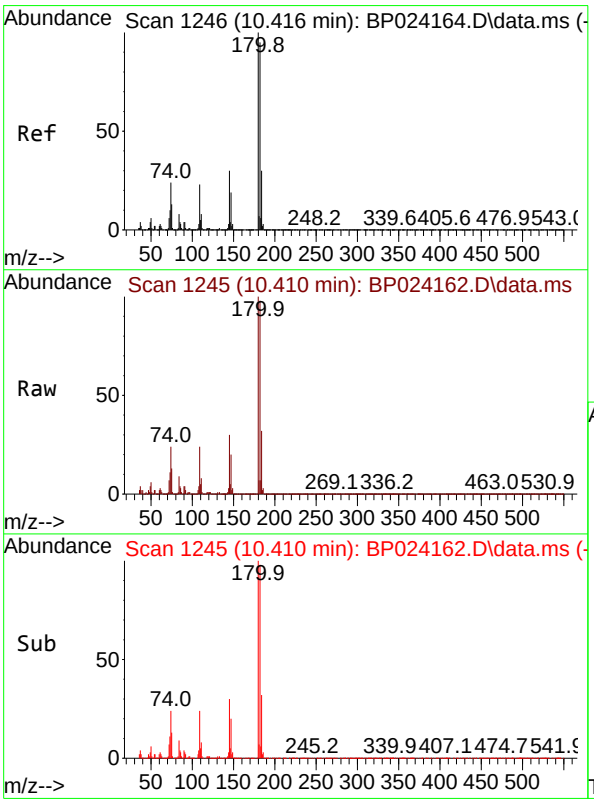
#29
2,4-Dichlorophenol
Concen: 9.046 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

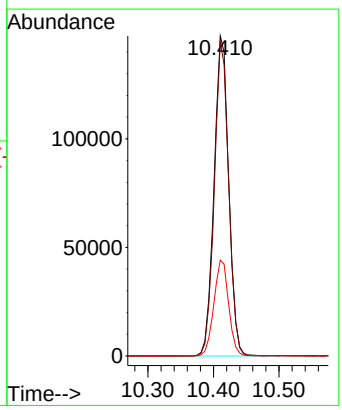


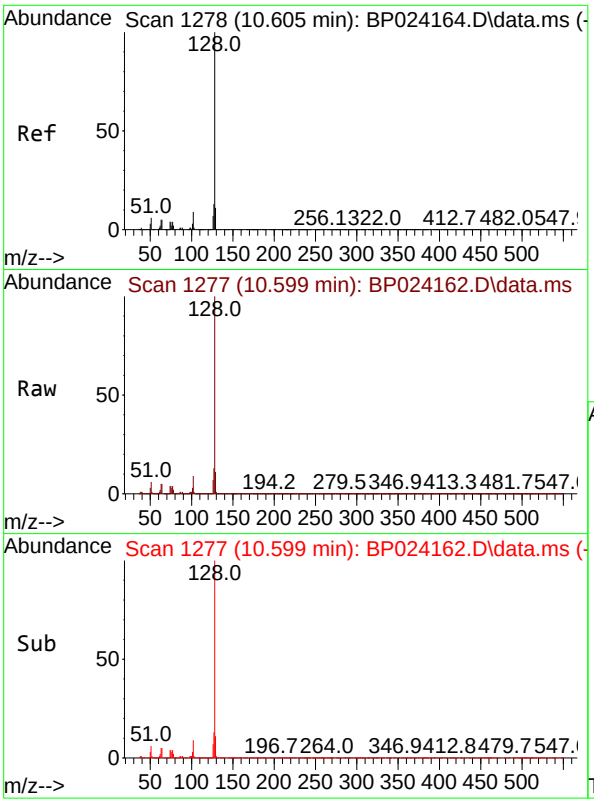


#30
1,2,4-Trichlorobenzene
Concen: 9.355 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



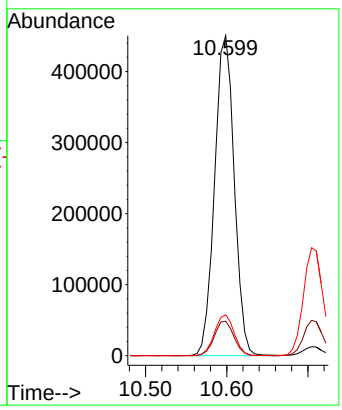


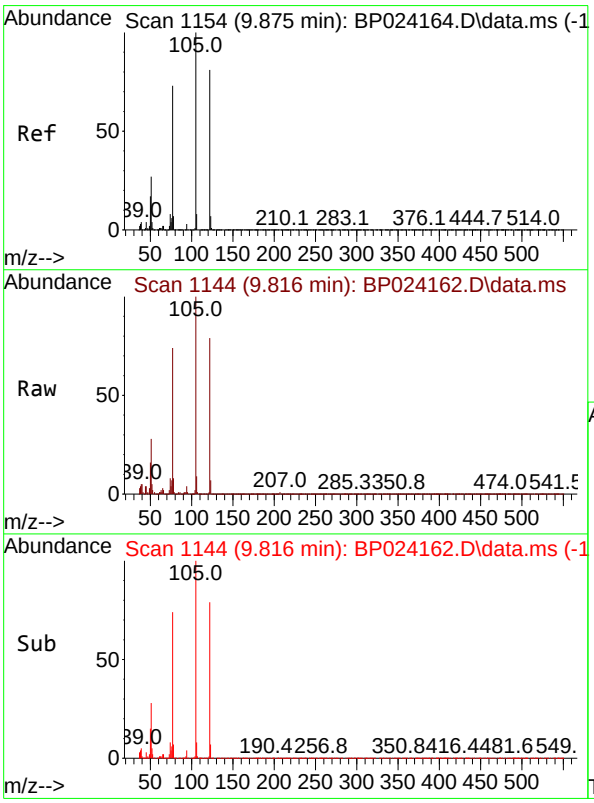
#31
Naphthalene
Concen: 9.642 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

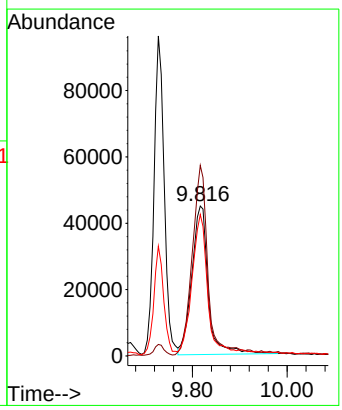


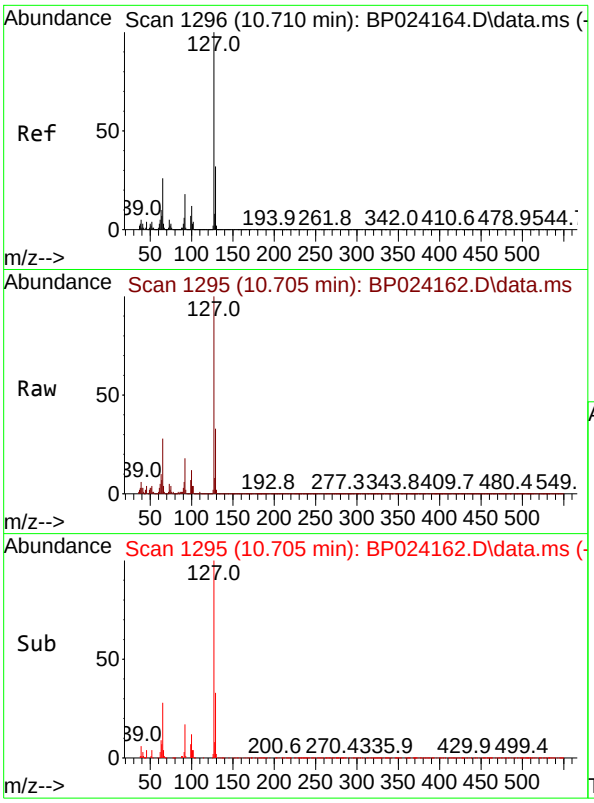


#32
Benzoic acid
Concen: 7.587 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.059 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



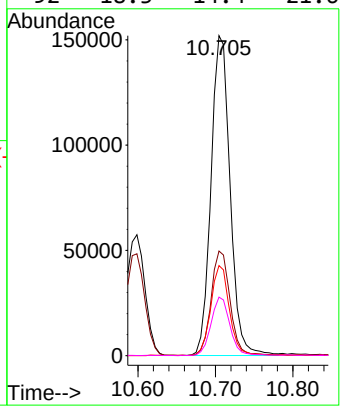


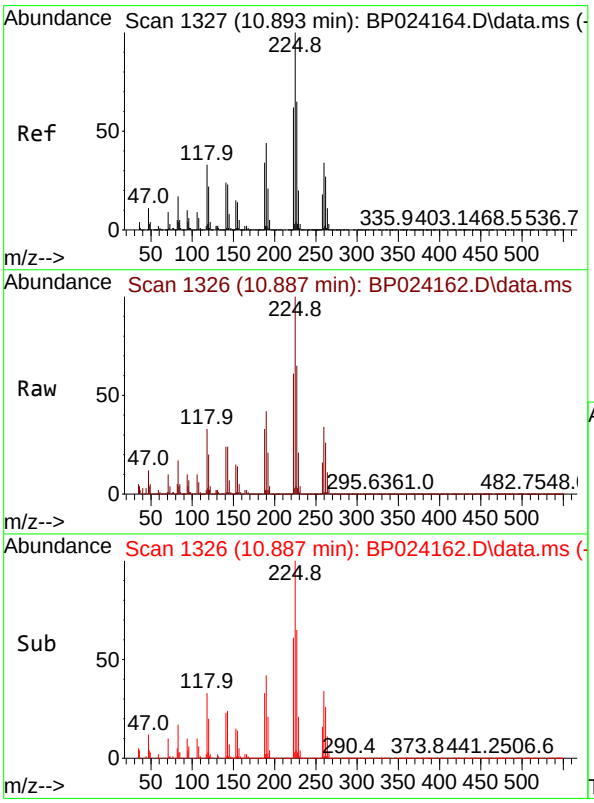
#33
4-Chloroaniline
Concen: 9.404 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

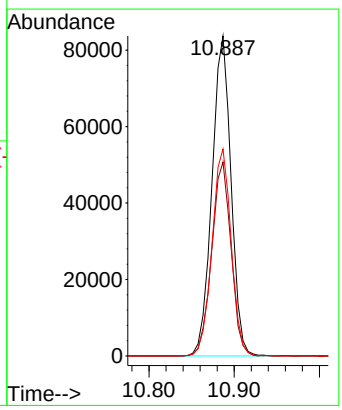


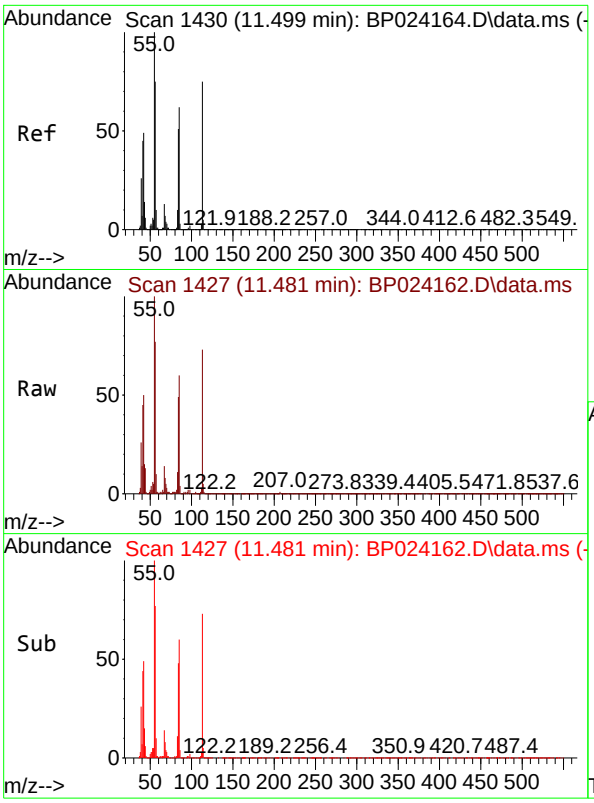


#34
Hexachlorobutadiene
Concen: 9.224 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



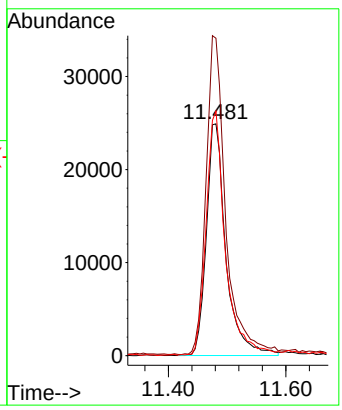


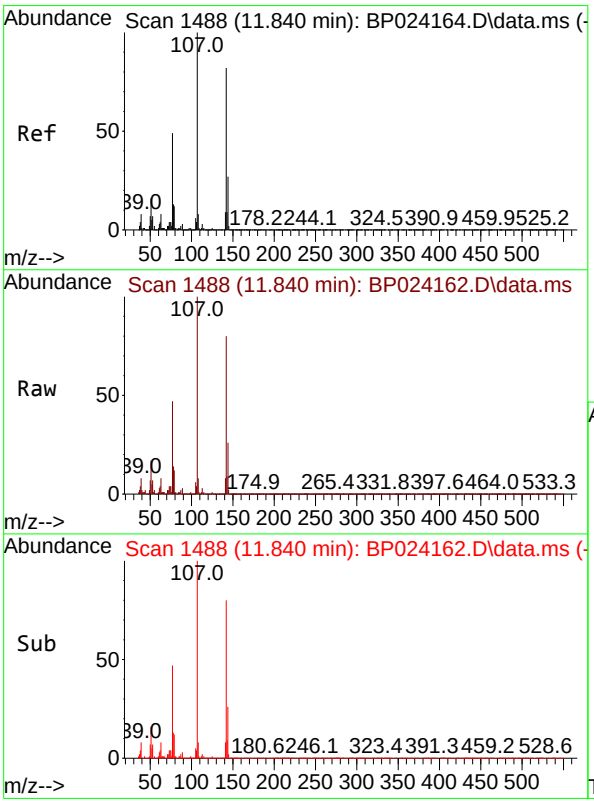
#35
Caprolactam
Concen: 8.931 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

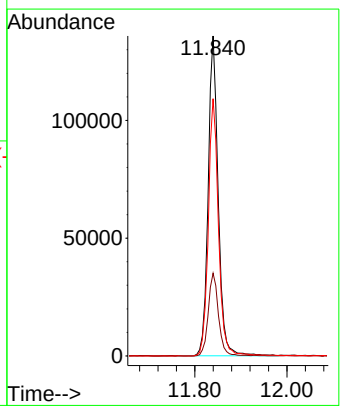


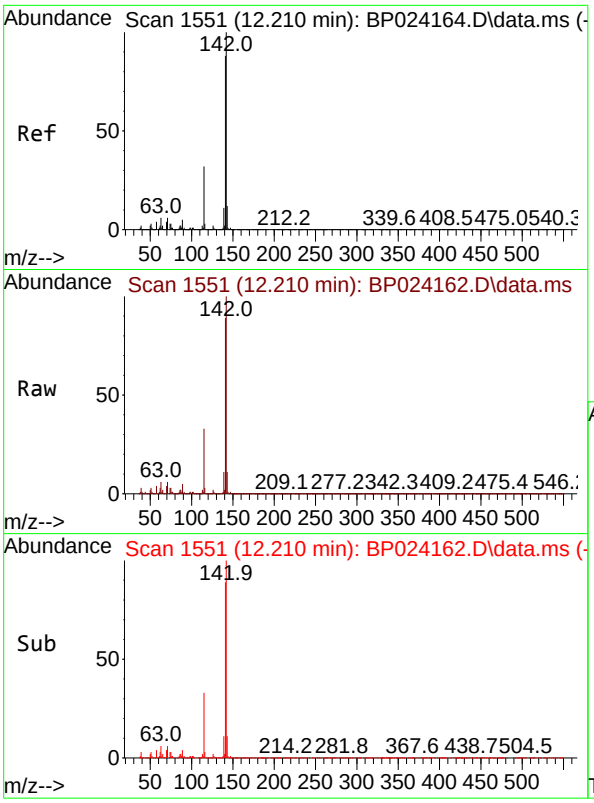


#36
4-Chloro-3-methylphenol
Concen: 9.462 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



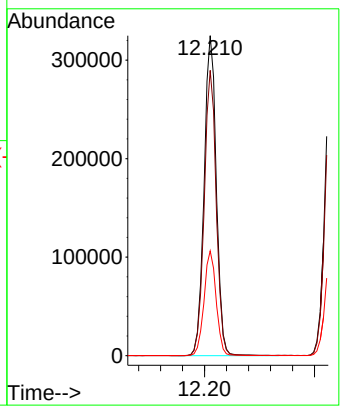


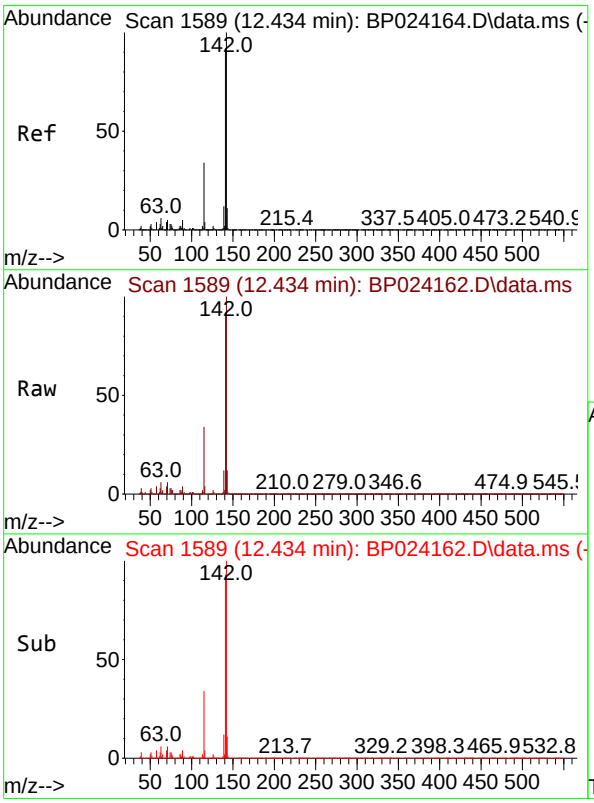
#37
2-Methylnaphthalene
Concen: 9.564 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

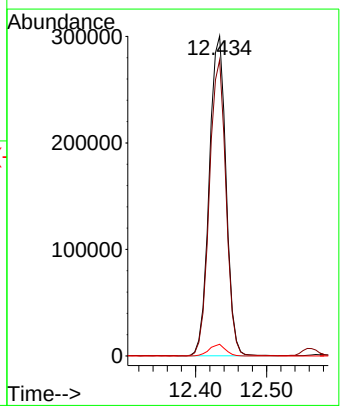


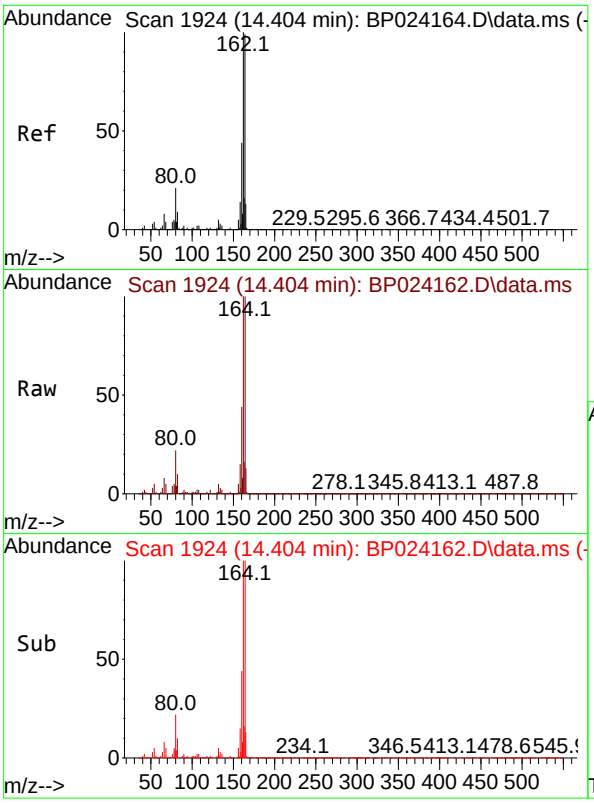


#38
1-Methylnaphthalene
Concen: 9.680 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



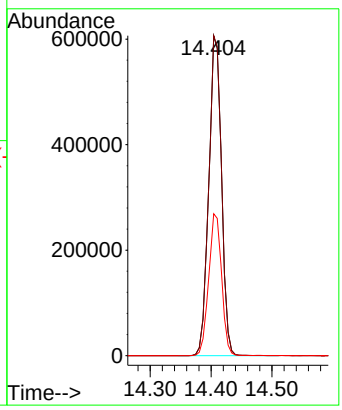


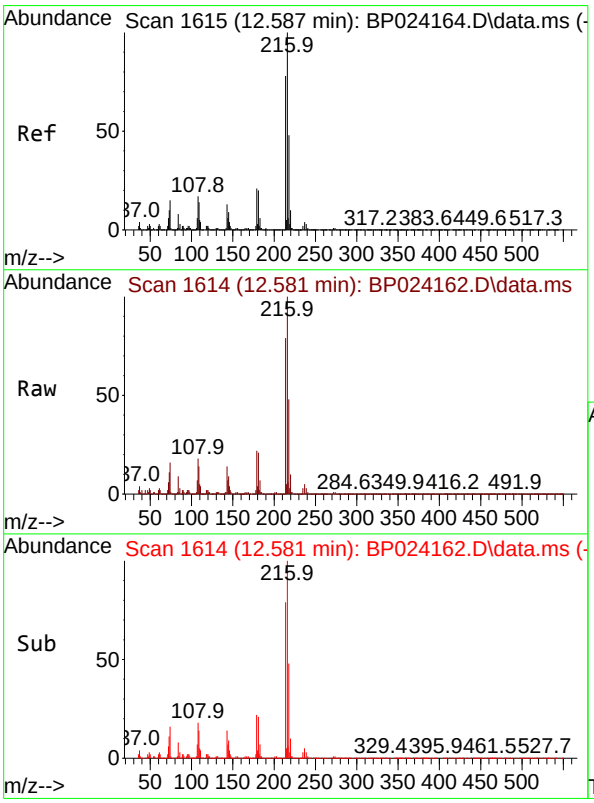
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

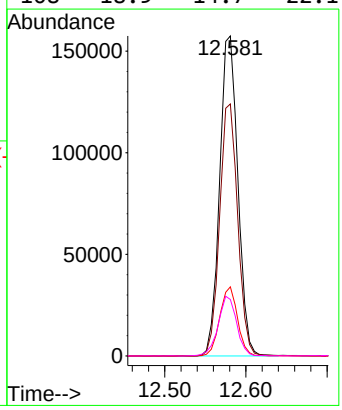


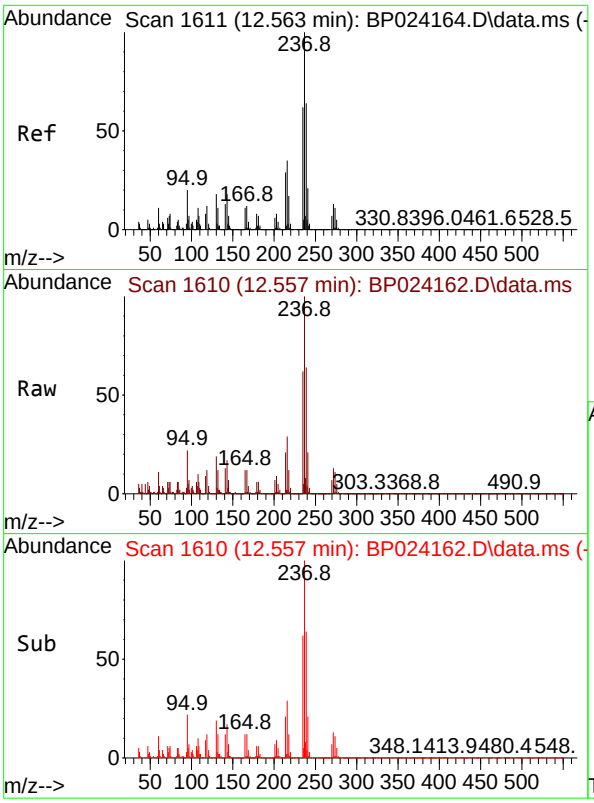


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.116 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



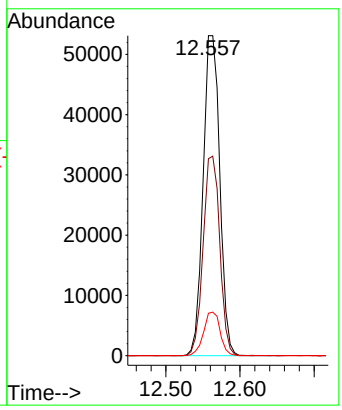


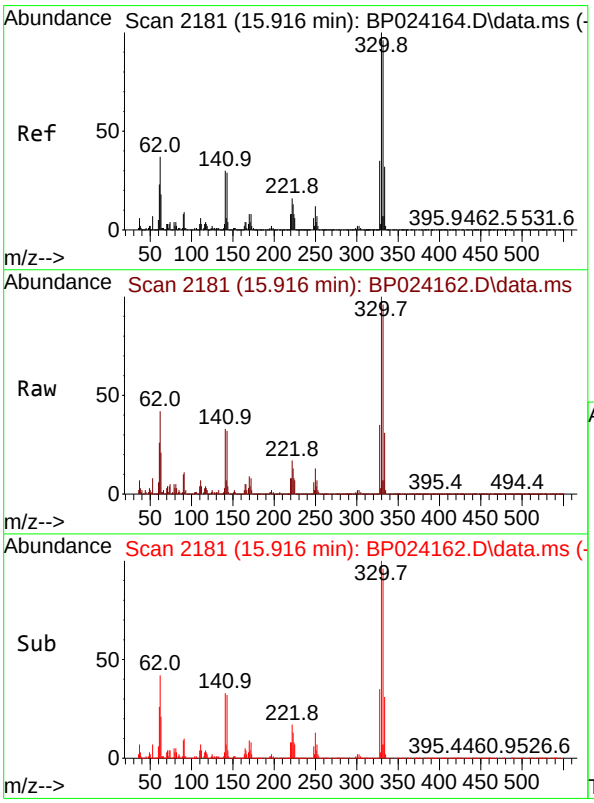
#41
Hexachlorocyclopentadiene
Concen: 8.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

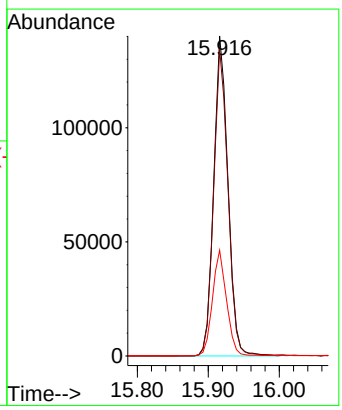


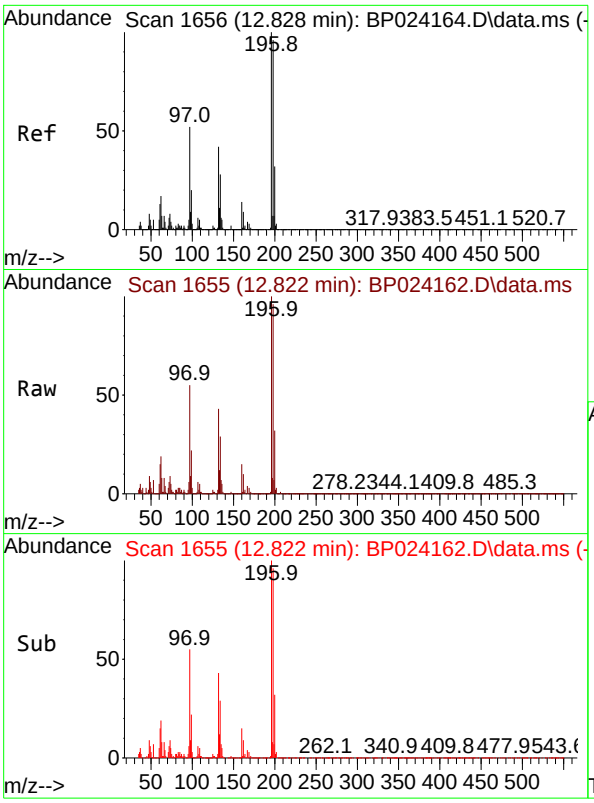


#42
2,4,6-Tribromophenol
Concen: 18.161 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



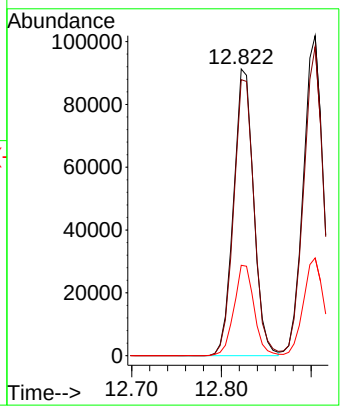


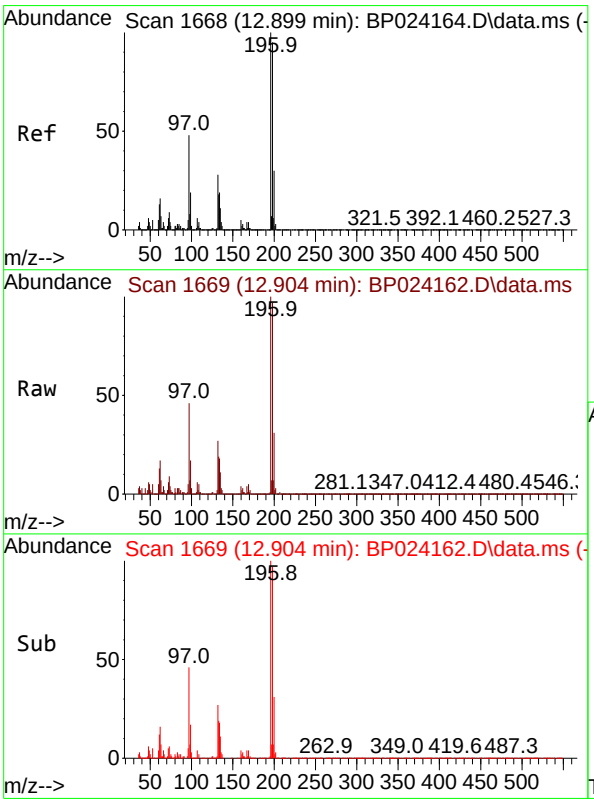
#43
2,4,6-Trichlorophenol
Concen: 8.649 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

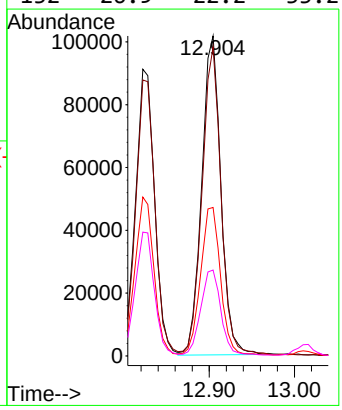


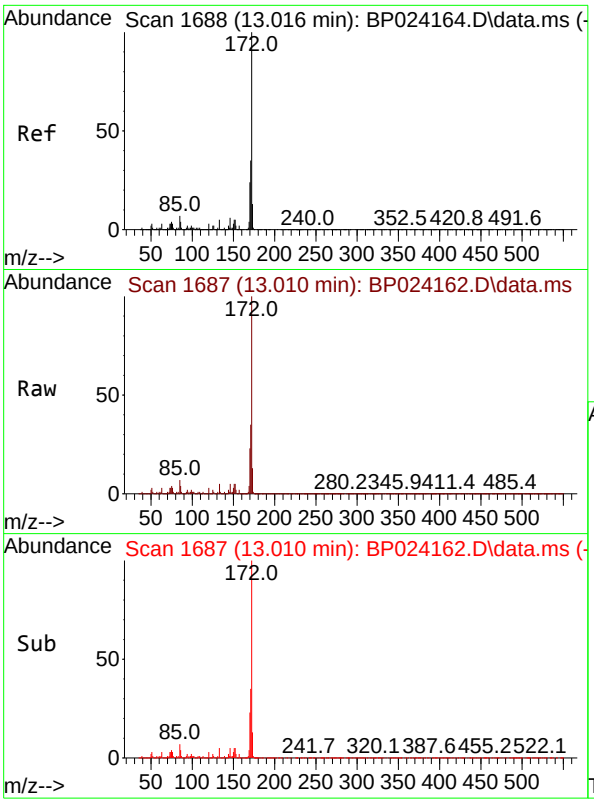


#44
2,4,5-Trichlorophenol
Concen: 8.841 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



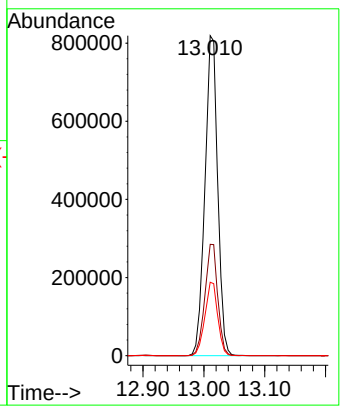


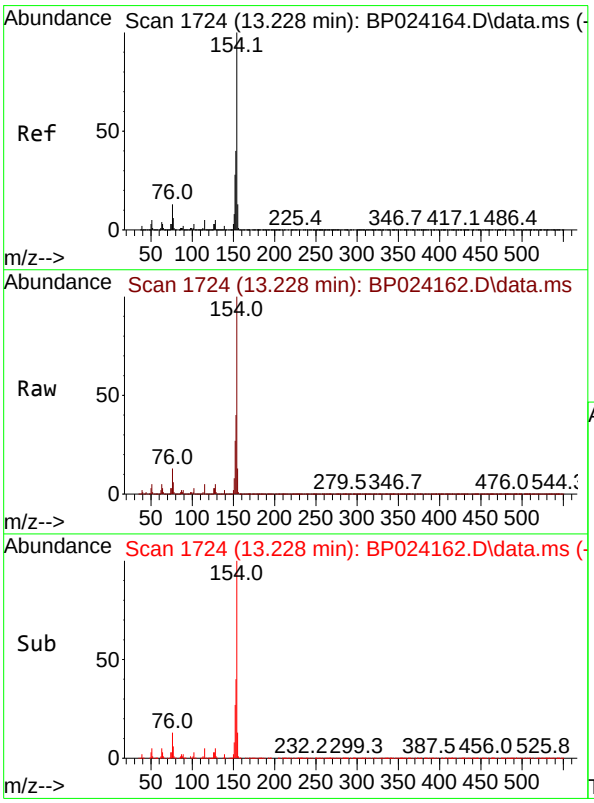
#45
2-Fluorobiphenyl
Concen: 18.984 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

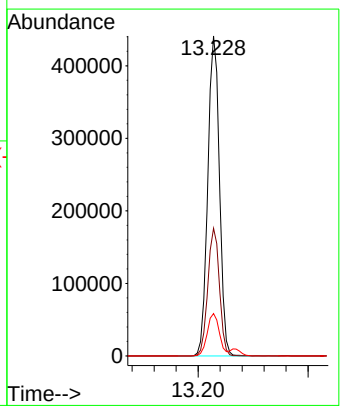


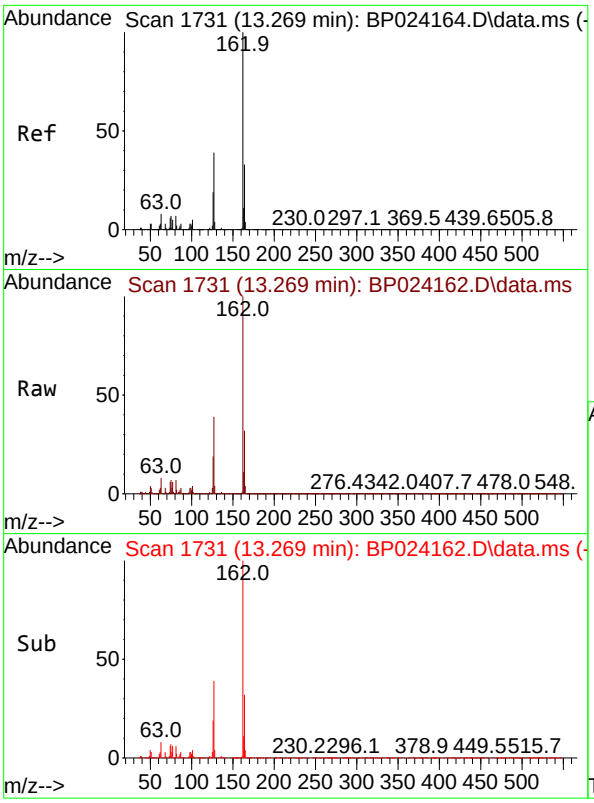


#46
1,1'-Biphenyl
Concen: 9.494 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



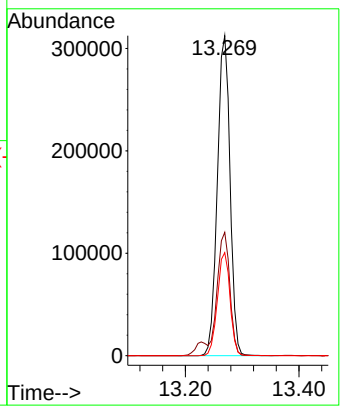


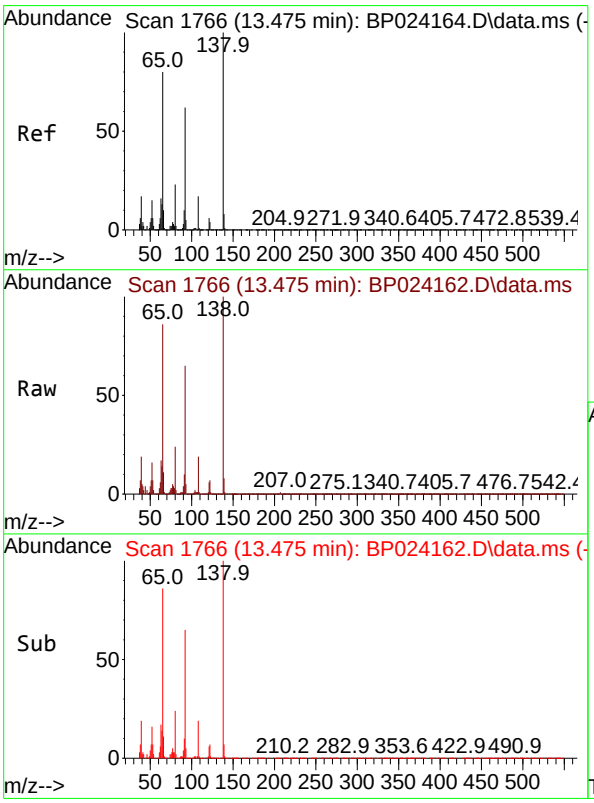
#47
2-Chloronaphthalene
Concen: 9.365 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

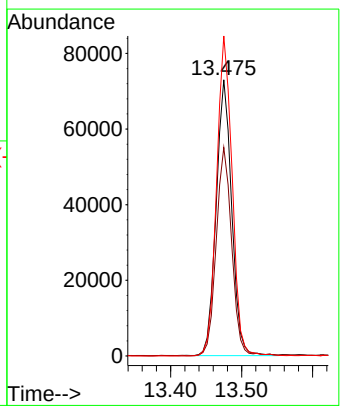


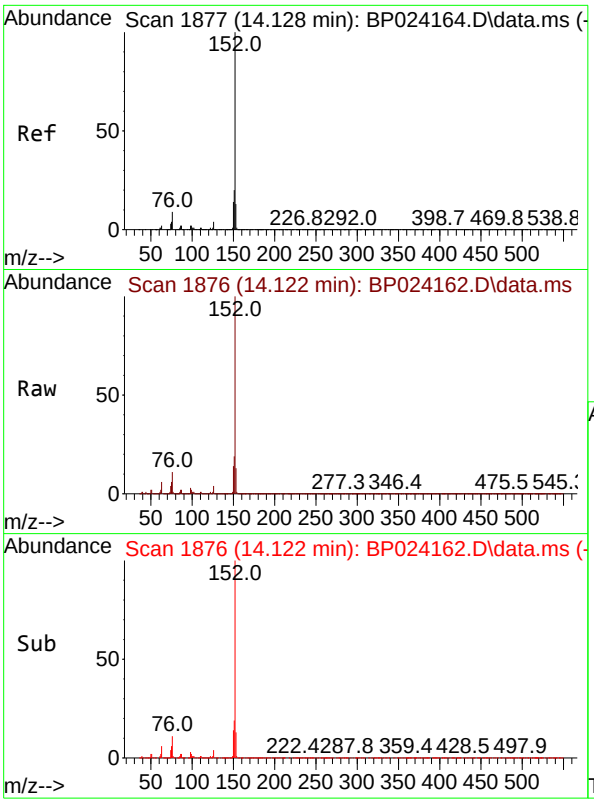


#48
2-Nitroaniline
Concen: 9.079 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



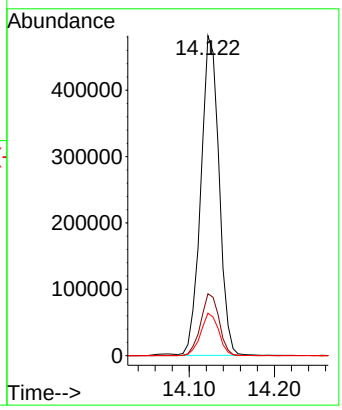


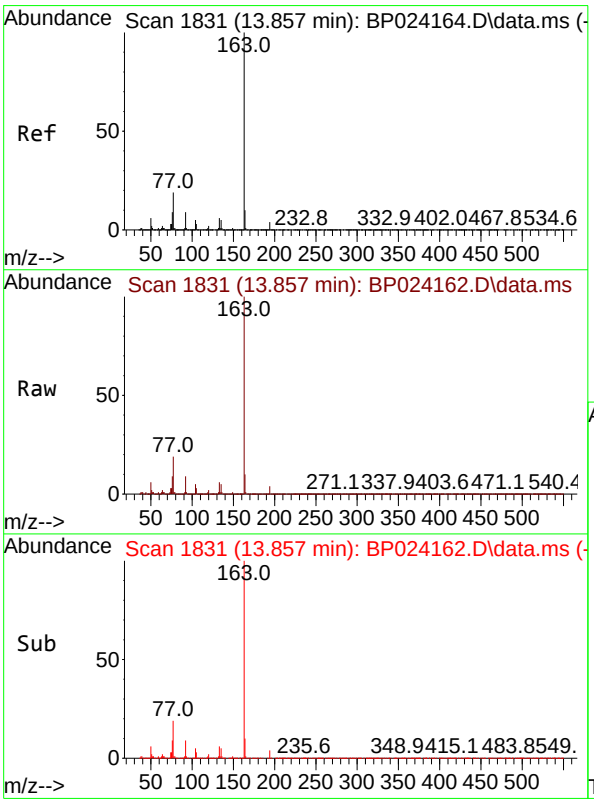
#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

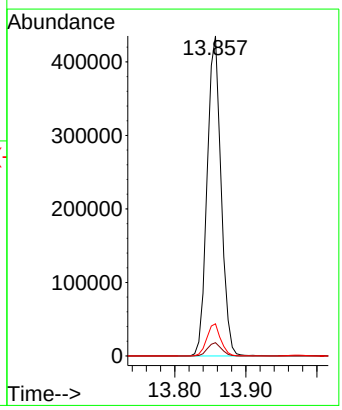


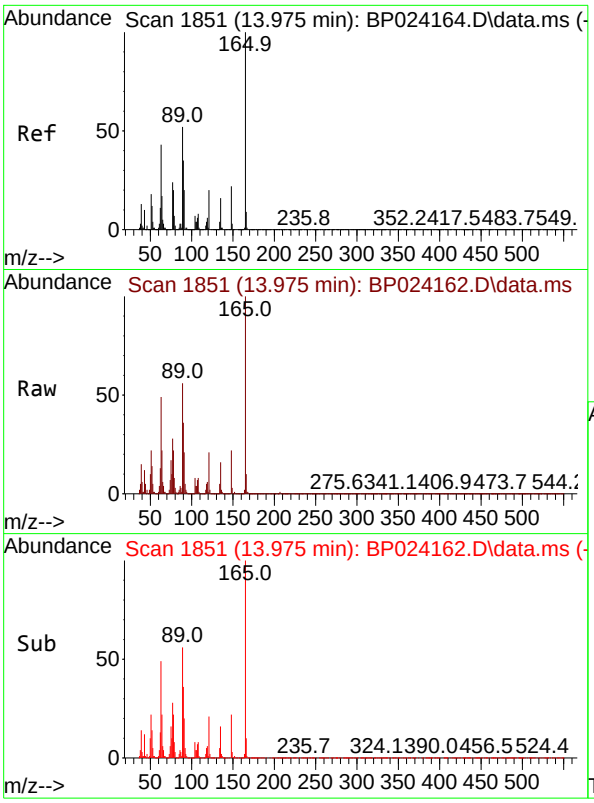


#50
Dimethylphthalate
Concen: 9.563 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



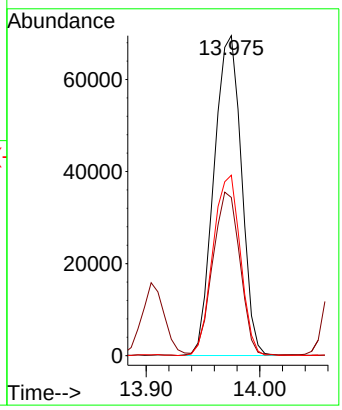


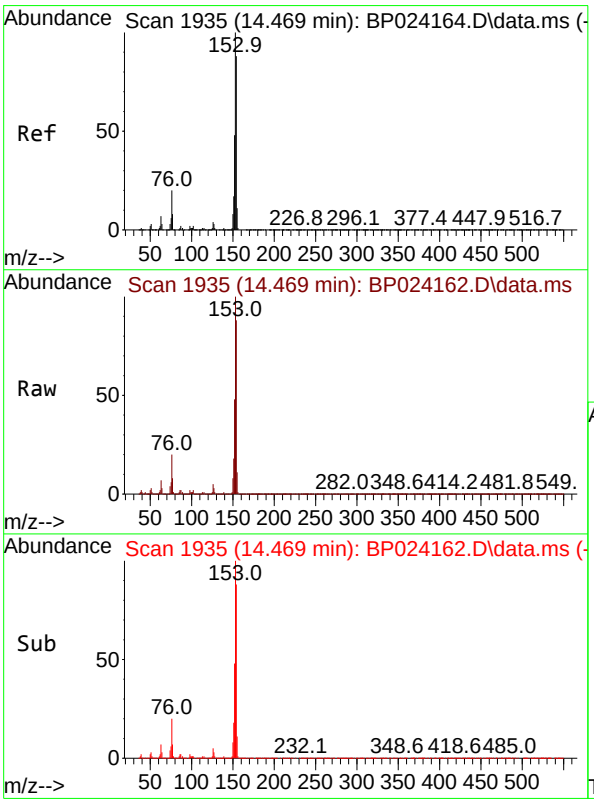
#51
2,6-Dinitrotoluene
Concen: 9.243 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

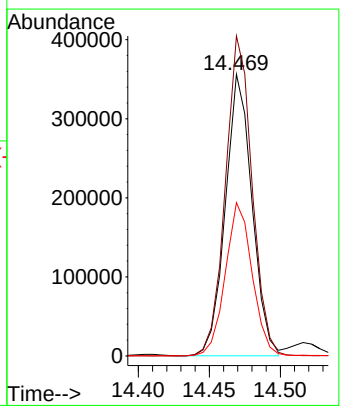


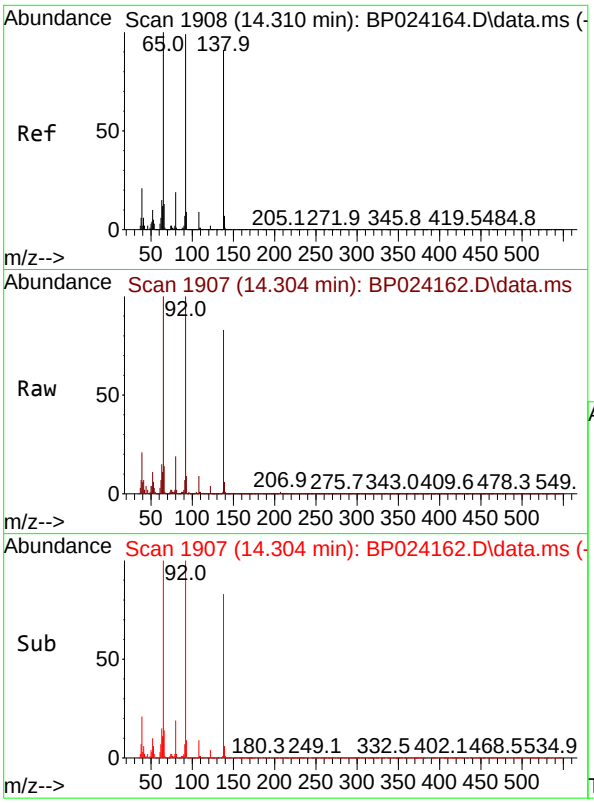


#52
Acenaphthene
Concen: 9.473 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



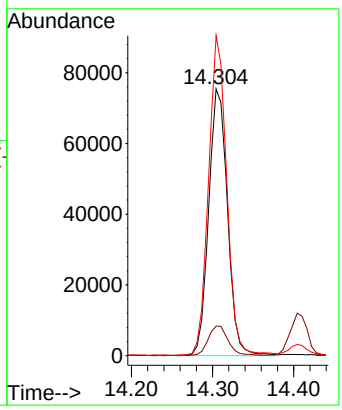


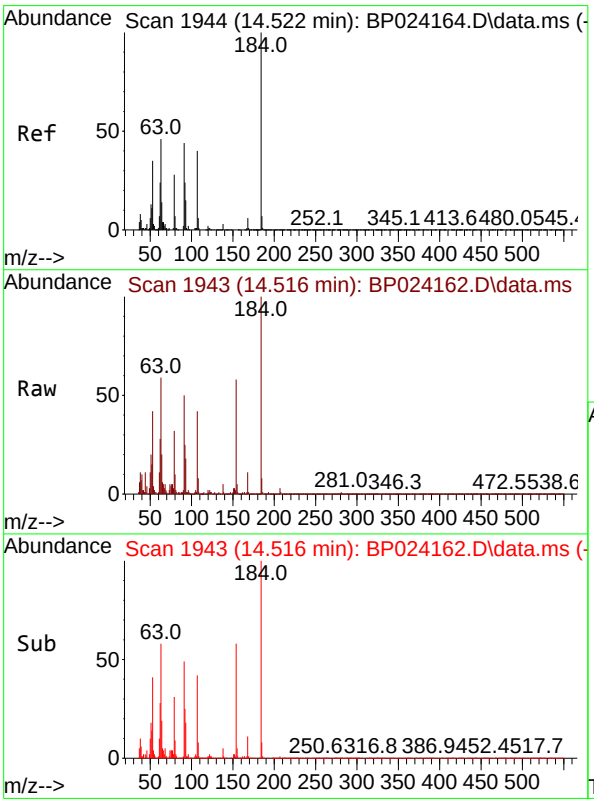
#53
3-Nitroaniline
Concen: 9.001 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

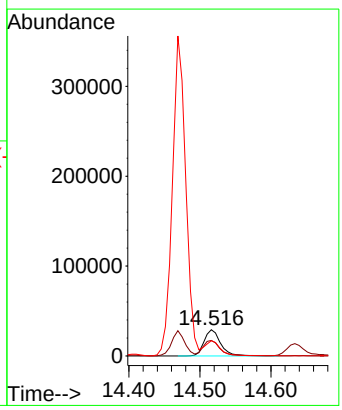


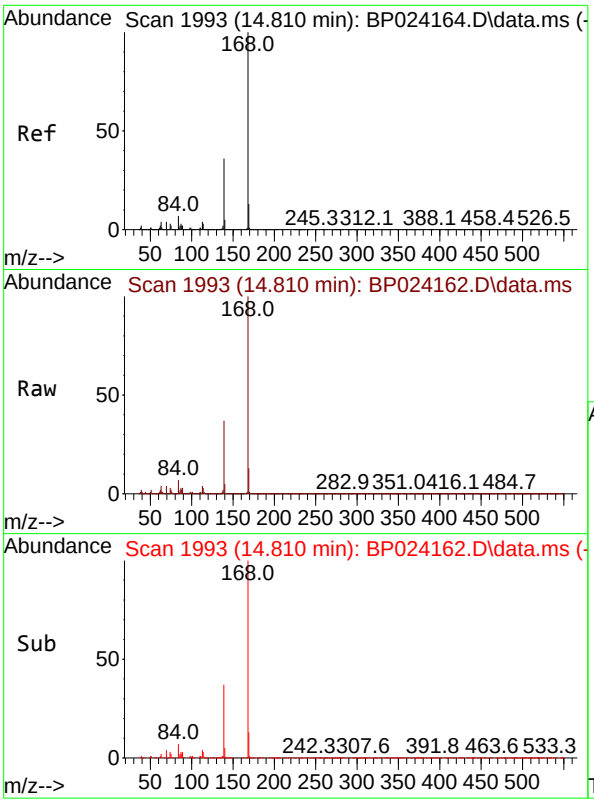


#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



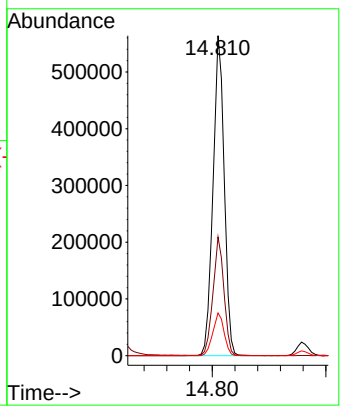


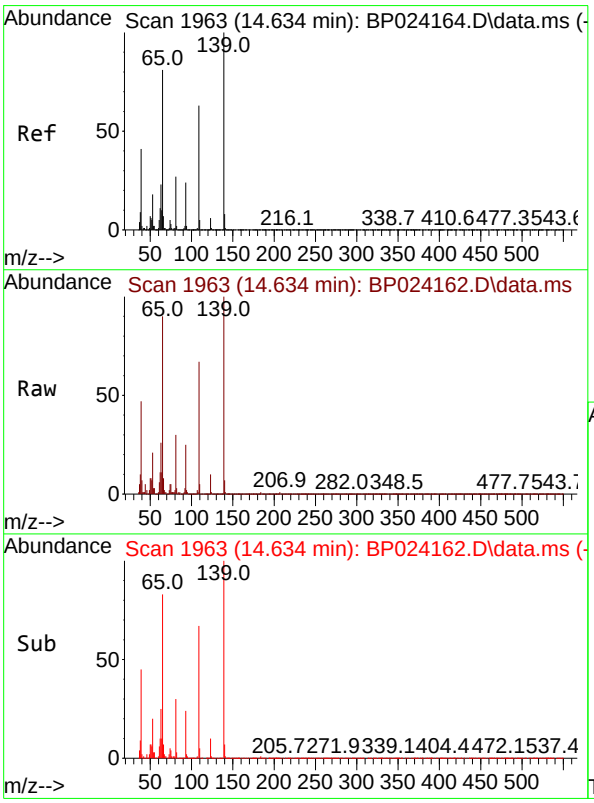
#55
Dibenzofuran
Concen: 9.671 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

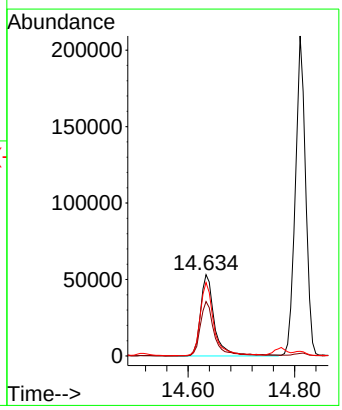


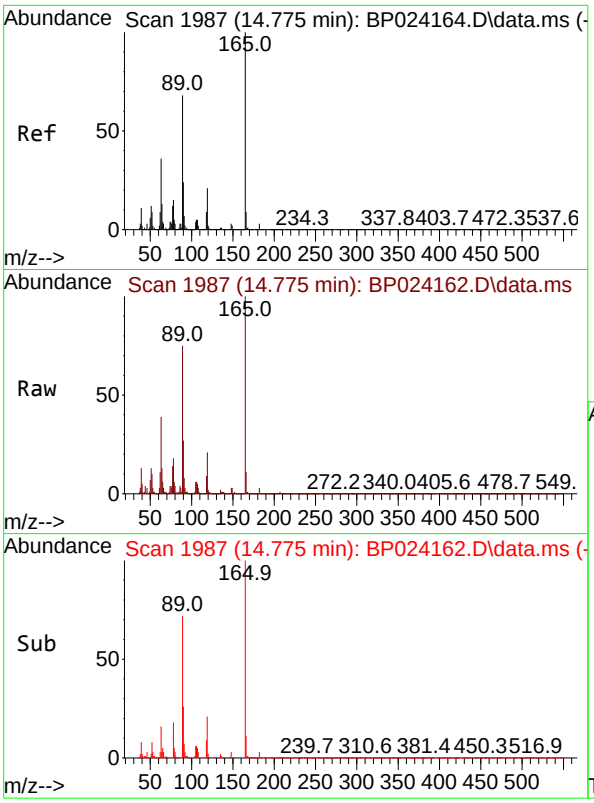


#56
4-Nitrophenol
Concen: 8.246 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



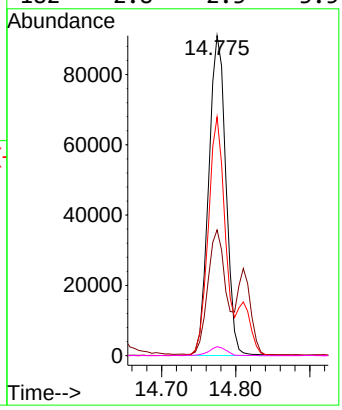


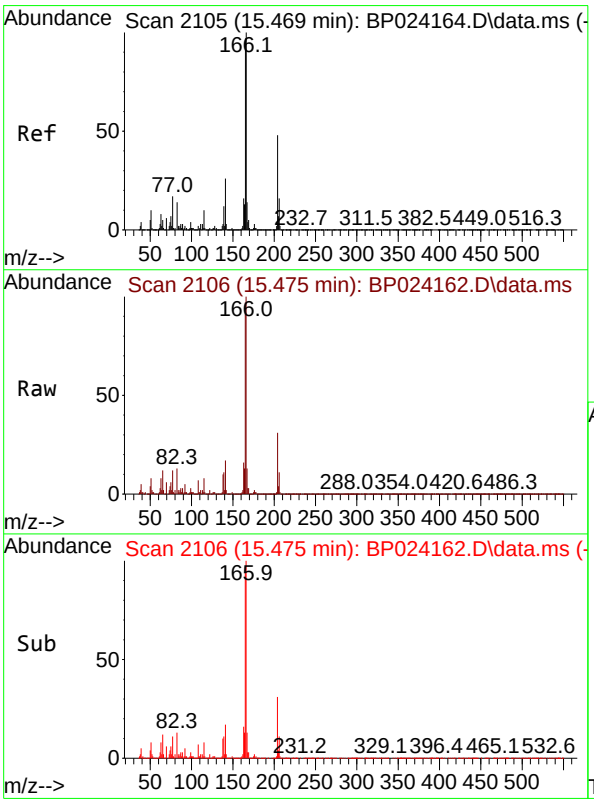
#57
2,4-Dinitrotoluene
Concen: 8.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

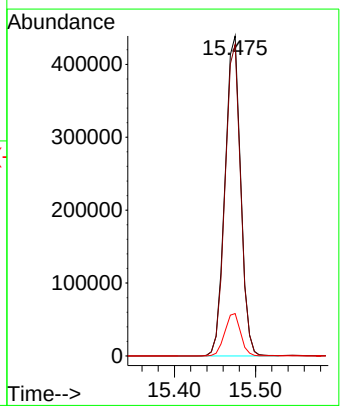


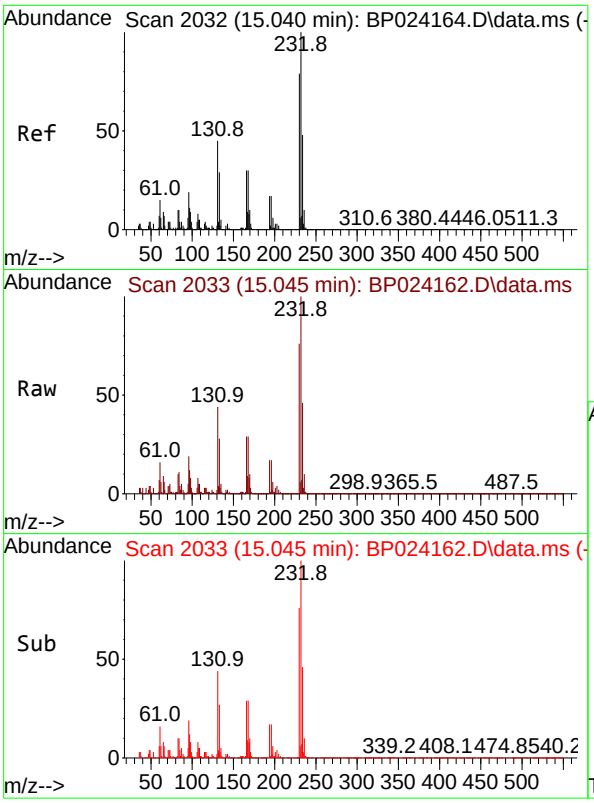


#58
Fluorene
Concen: 9.495 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



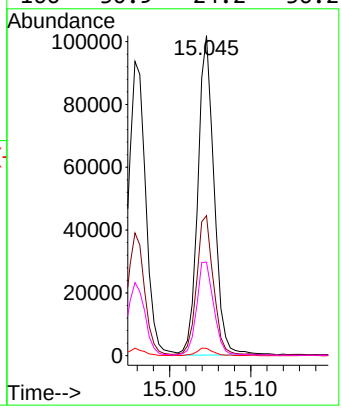


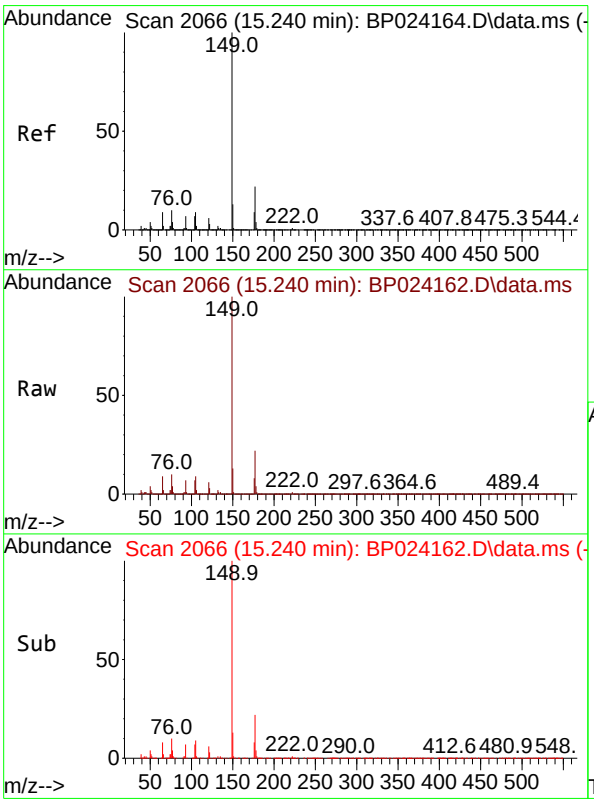
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.071 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

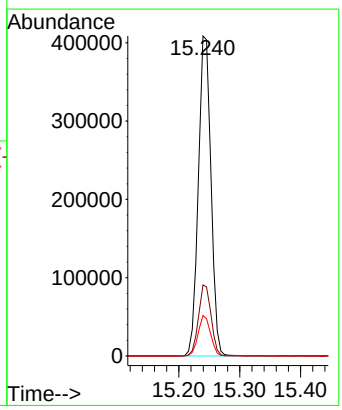


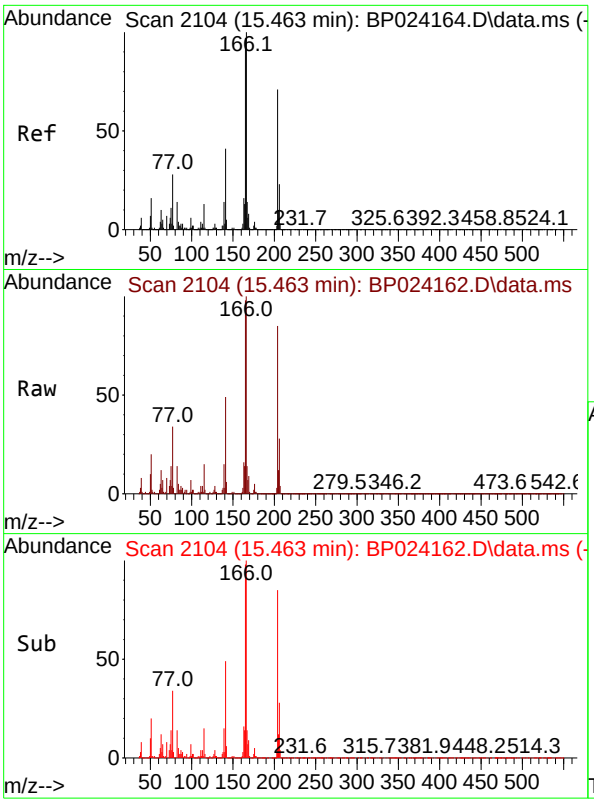


#60
Diethylphthalate
Concen: 9.543 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



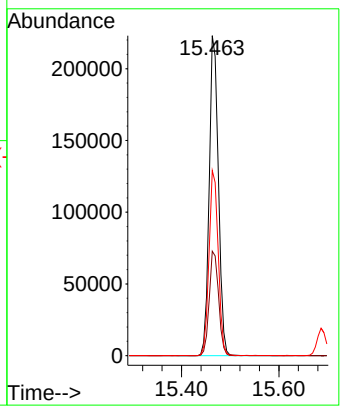


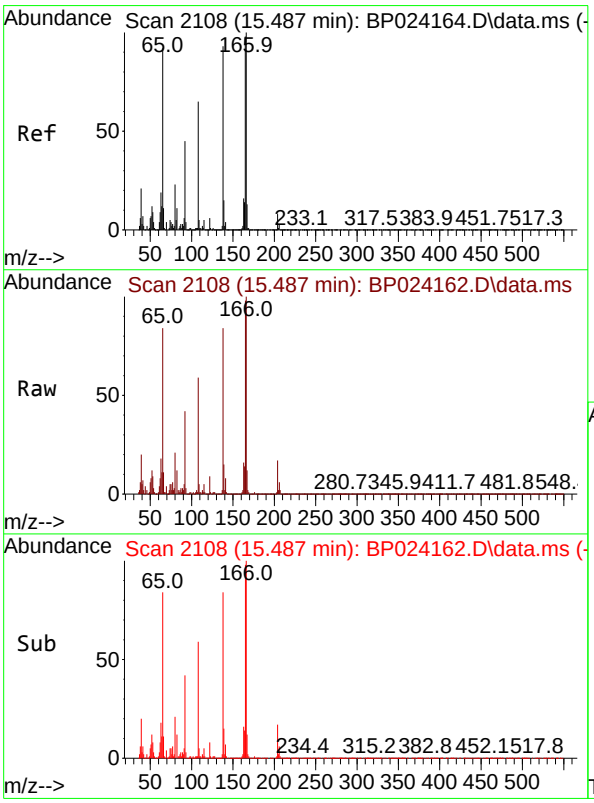
#61
4-Chlorophenyl-phenylether
Concen: 9.478 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

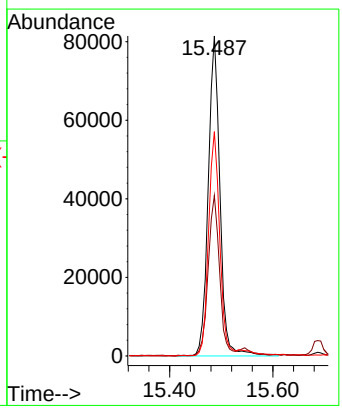


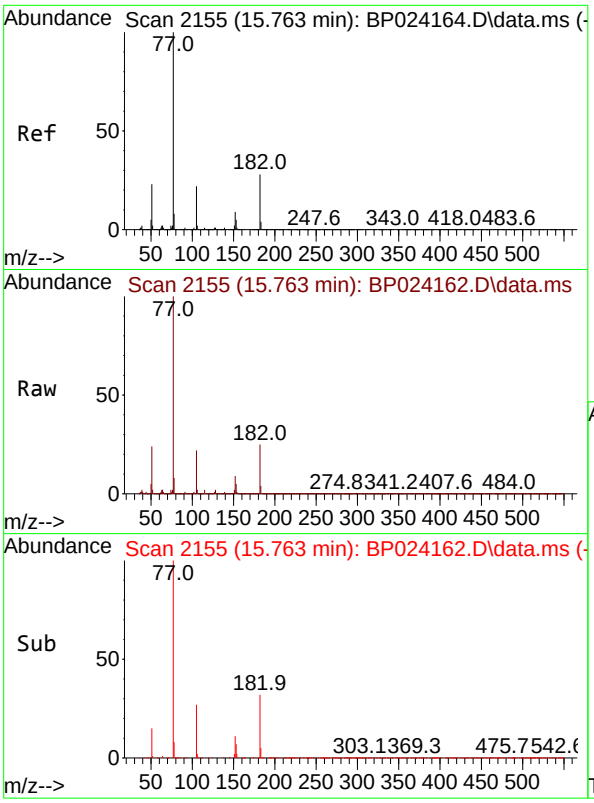


#62
4-Nitroaniline
Concen: 9.169 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



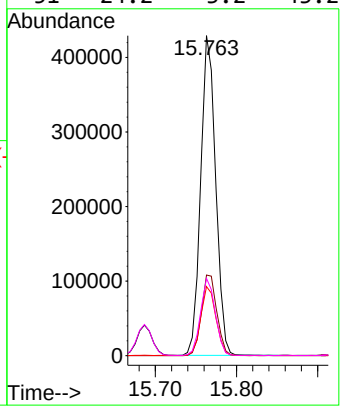


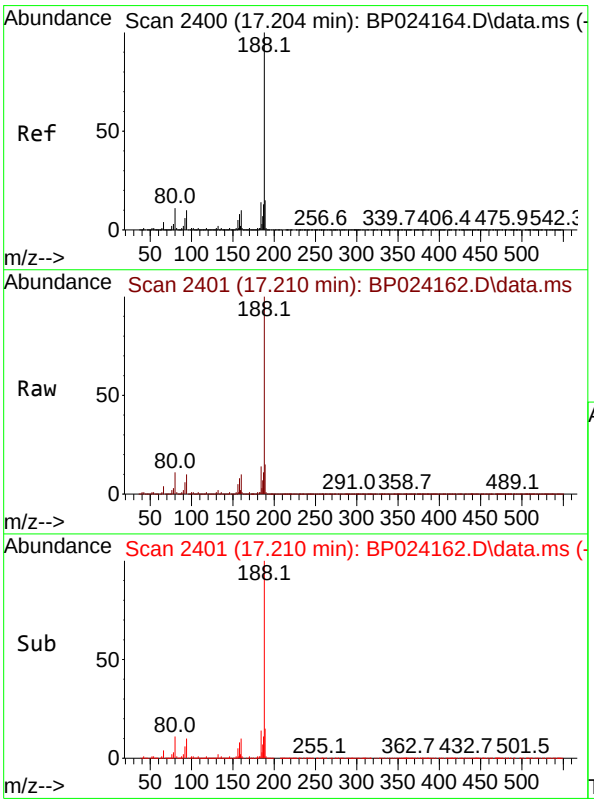
#63
Azobenzene
Concen: 9.535 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

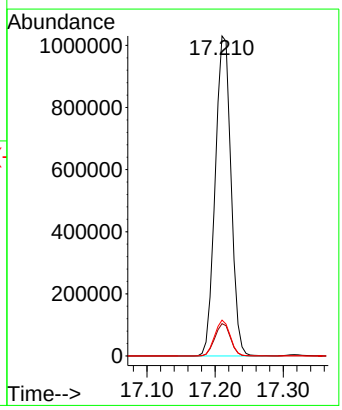


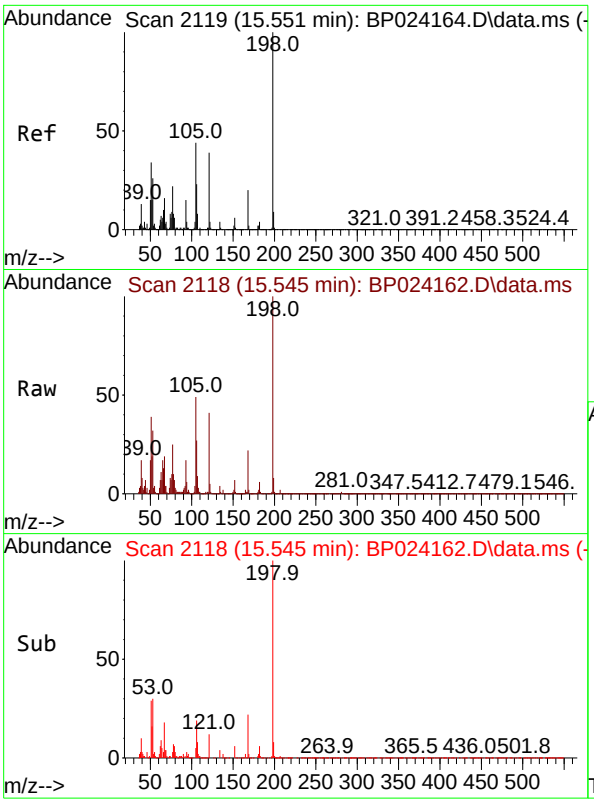


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



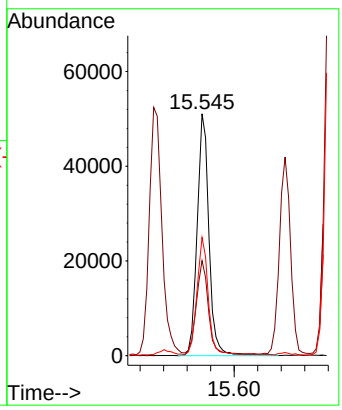


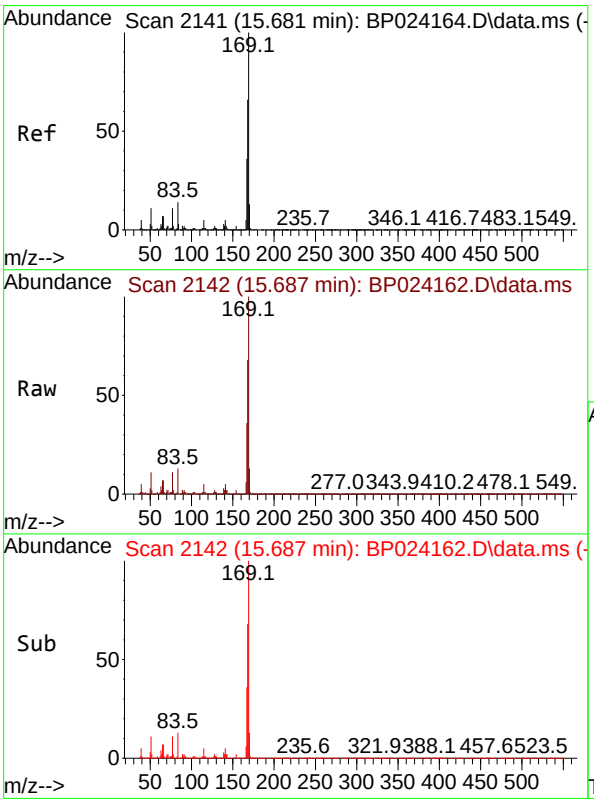
#65
4,6-Dinitro-2-methylphenol
Concen: 7.361 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

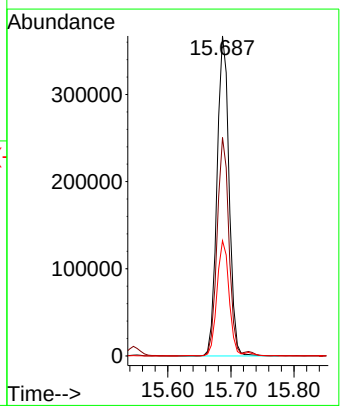


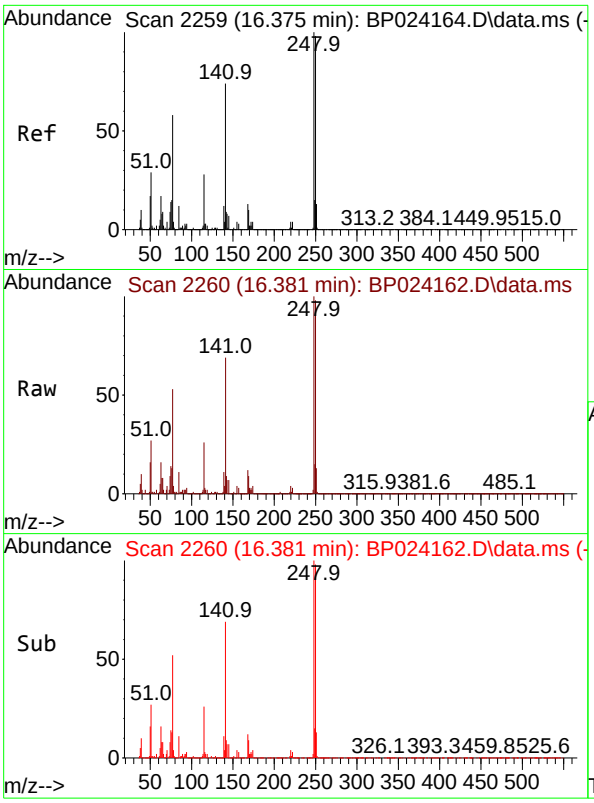


#66
n-Nitrosodiphenylamine
Concen: 9.352 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



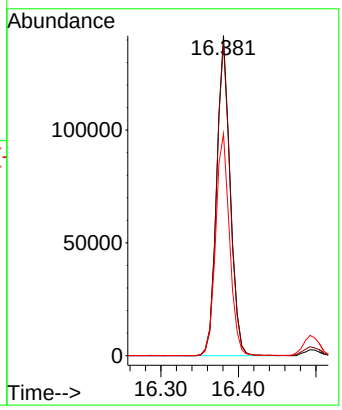


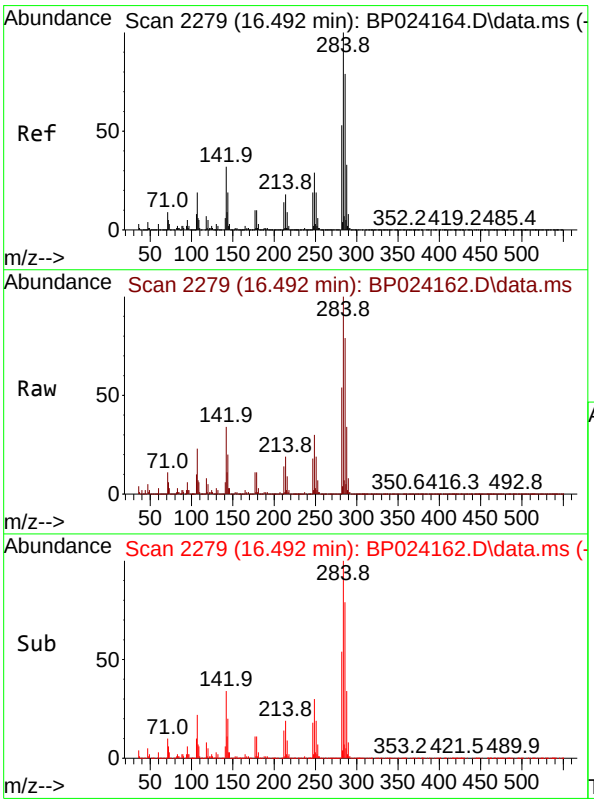
#67
4-Bromophenyl-phenylether
Concen: 9.207 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

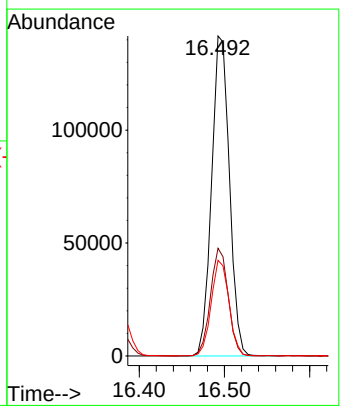


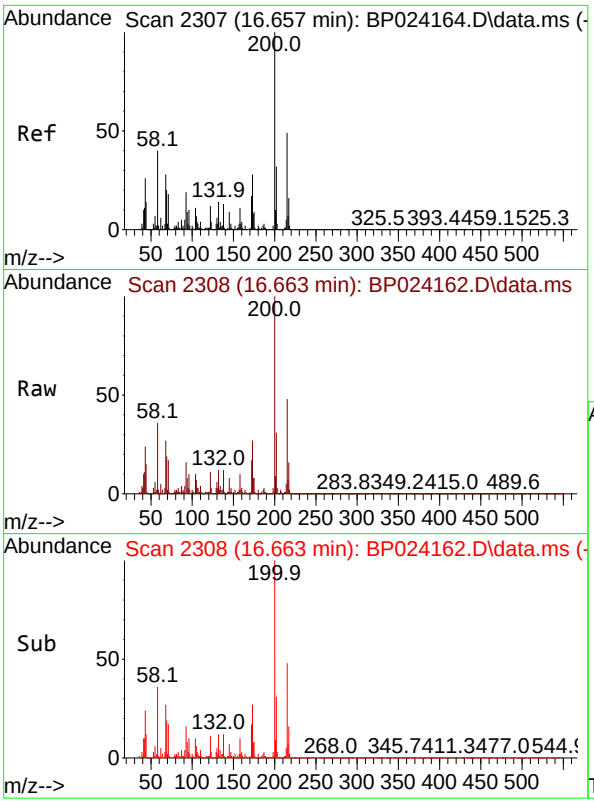


#68
Hexachlorobenzene
Concen: 9.414 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



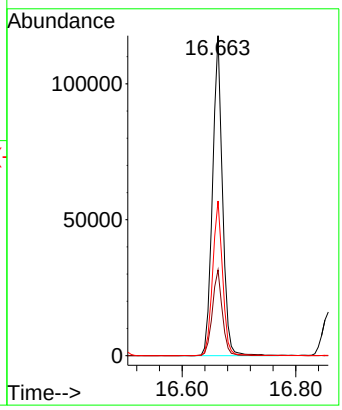


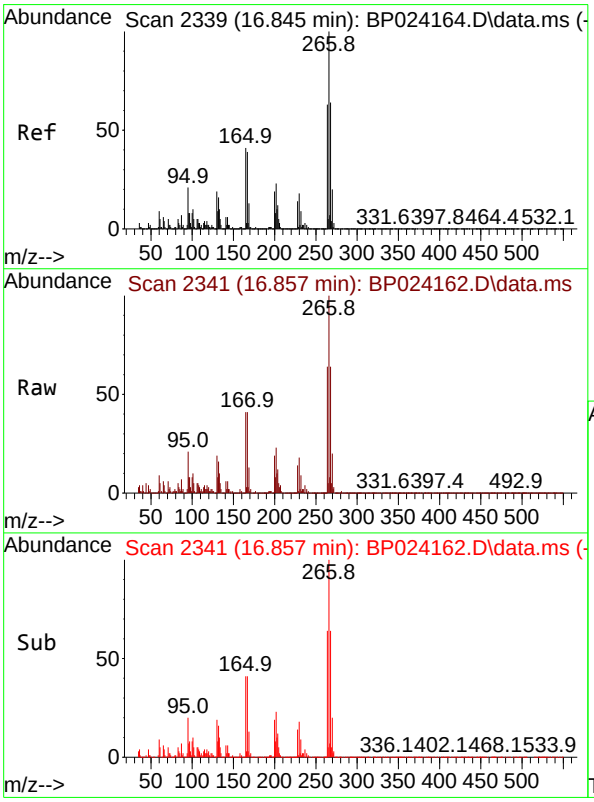
#69
Atrazine
Concen: 10.706 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

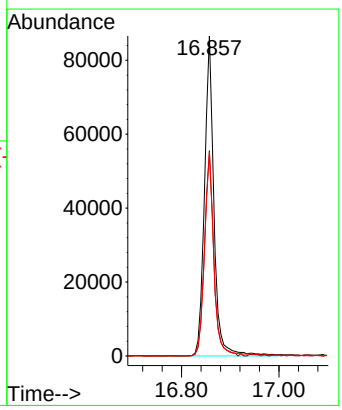


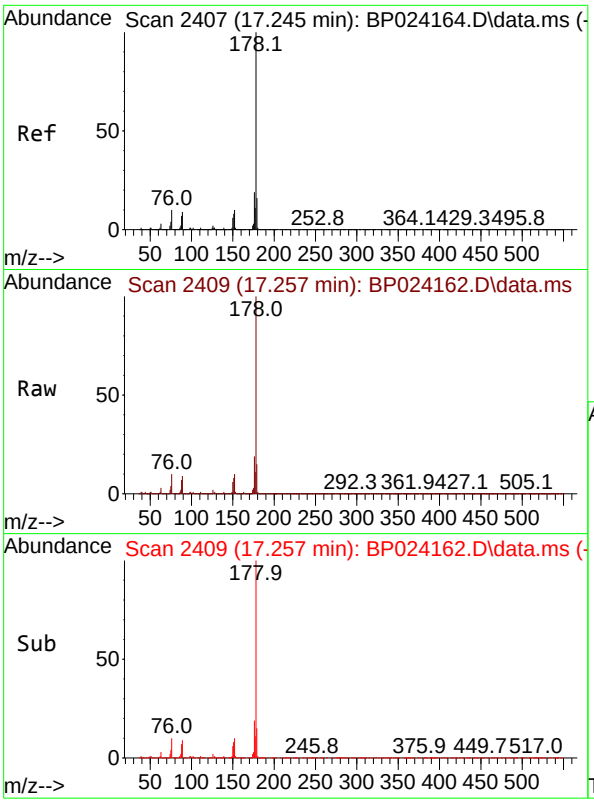


#70
Pentachlorophenol
Concen: 8.175 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



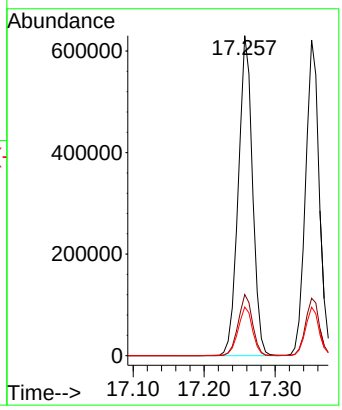


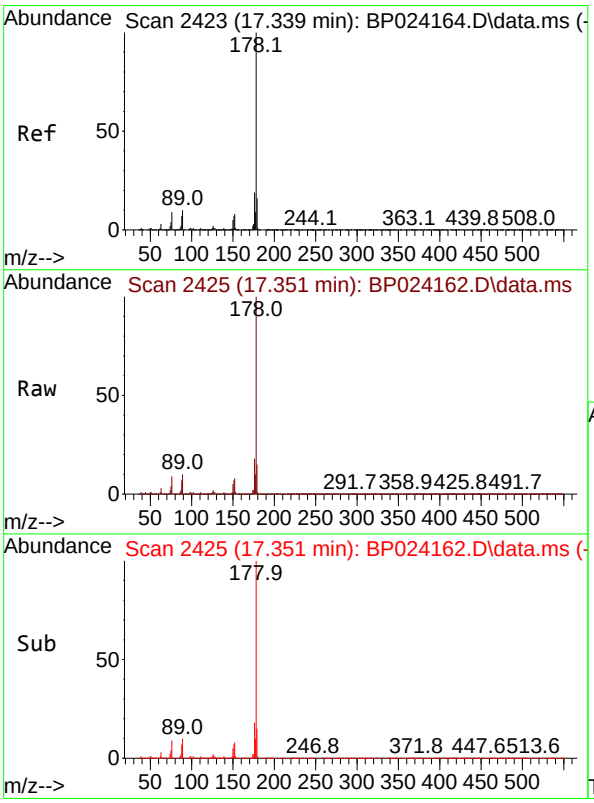
#71
Phenanthrene
Concen: 9.391 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

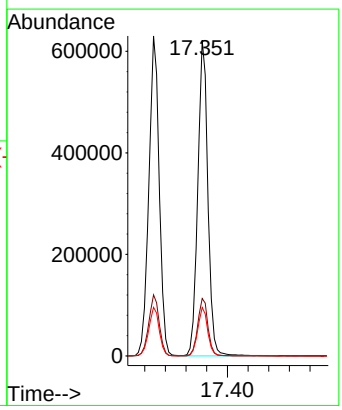


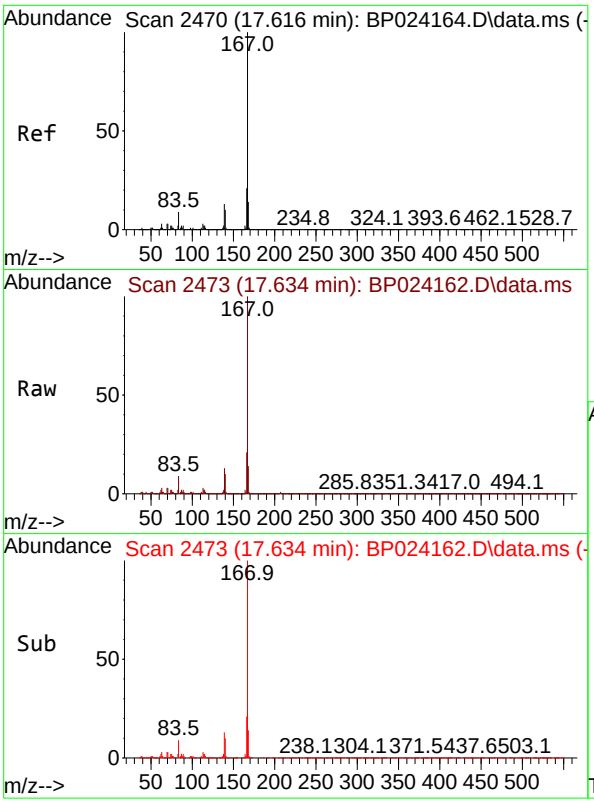


#72
Anthracene
Concen: 9.366 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



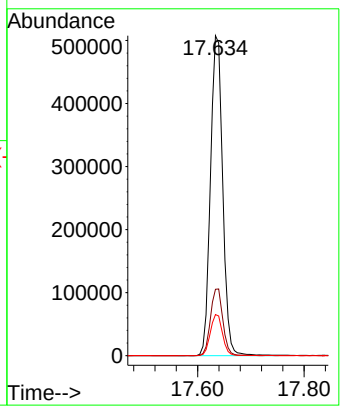


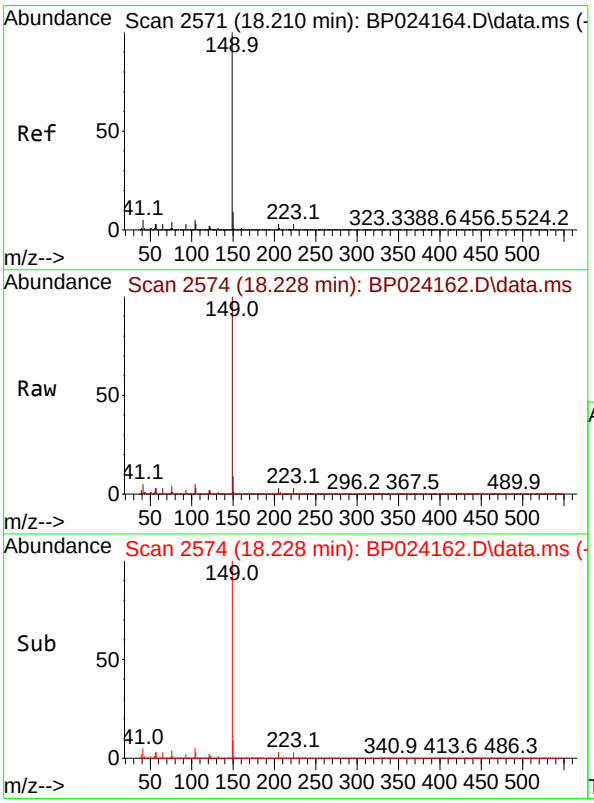
#73
Carbazole
Concen: 9.471 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

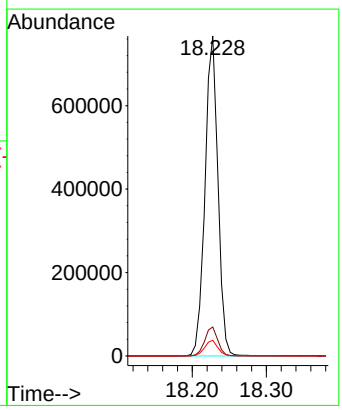


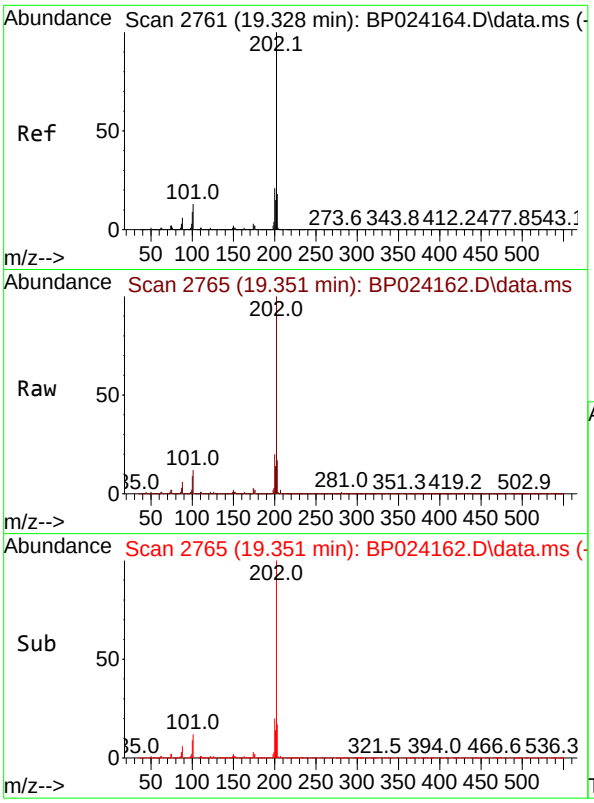


#74
Di-n-butylphthalate
Concen: 9.335 ng
RT: 18.228 min Scan# 2574
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



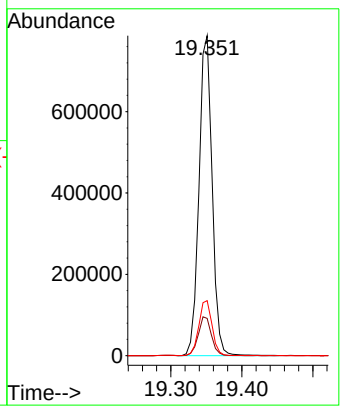


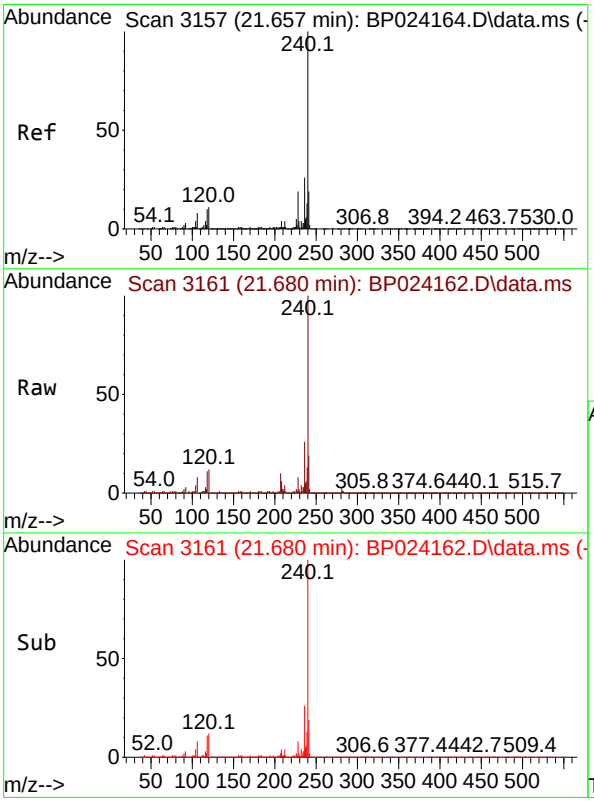
#75
Fluoranthene
Concen: 9.566 ng
RT: 19.351 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

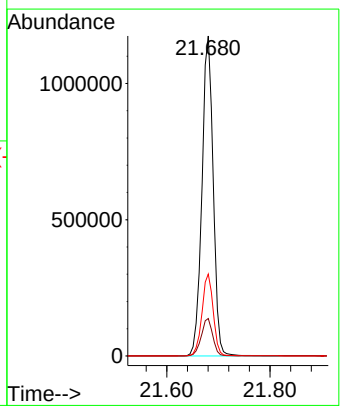


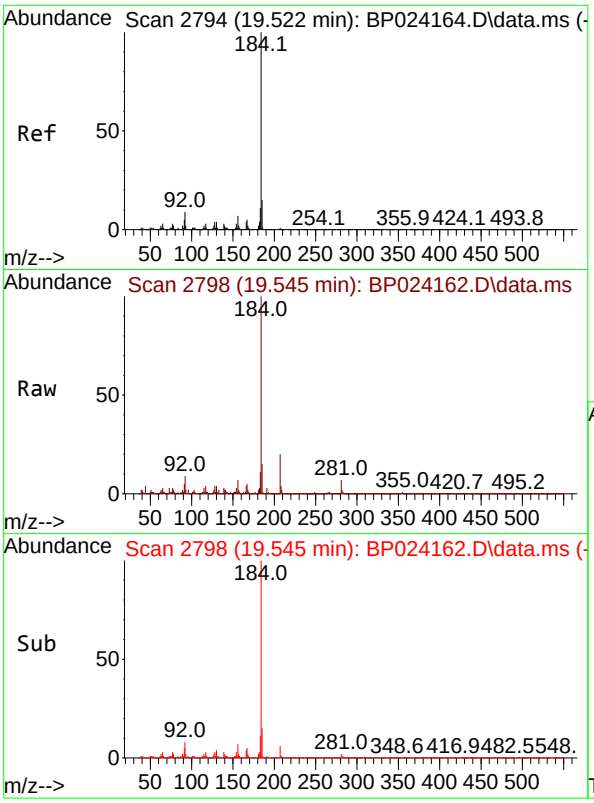


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



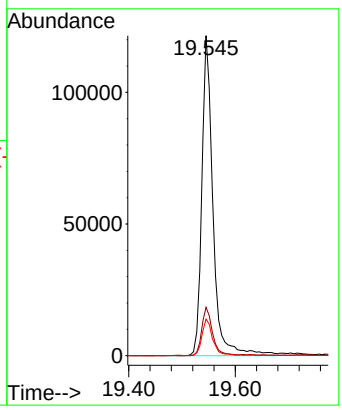


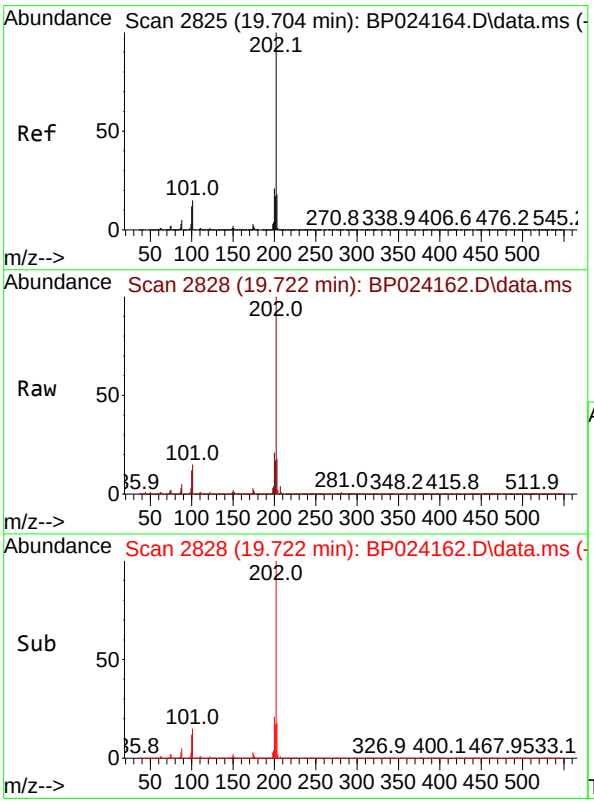
#77
Benzidine
Concen: 8.151 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

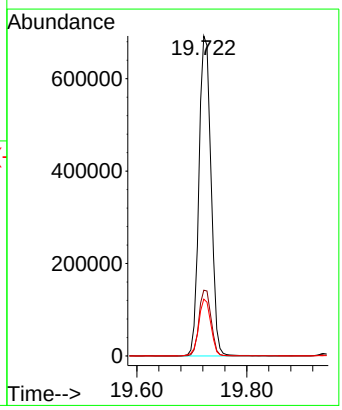


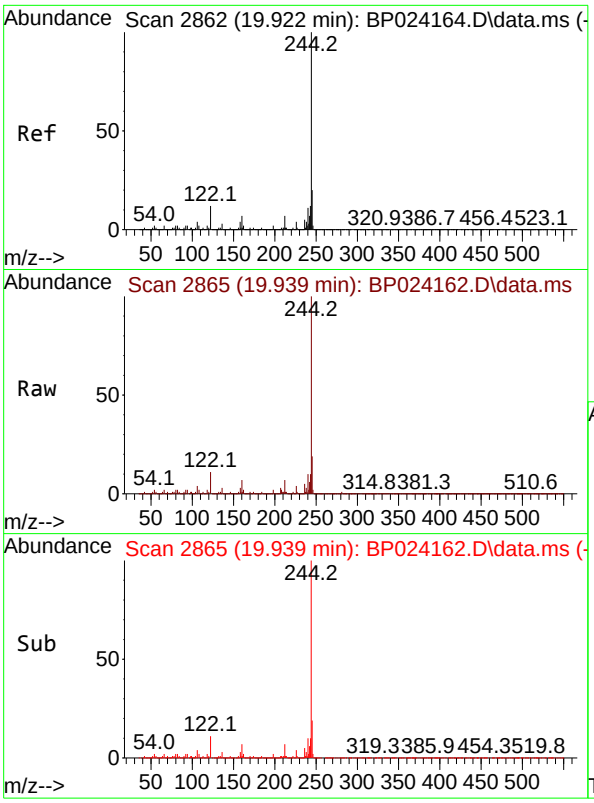


#78
Pyrene
Concen: 9.367 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



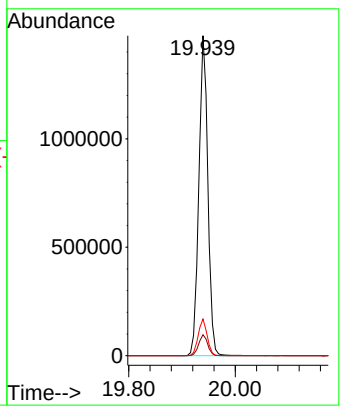


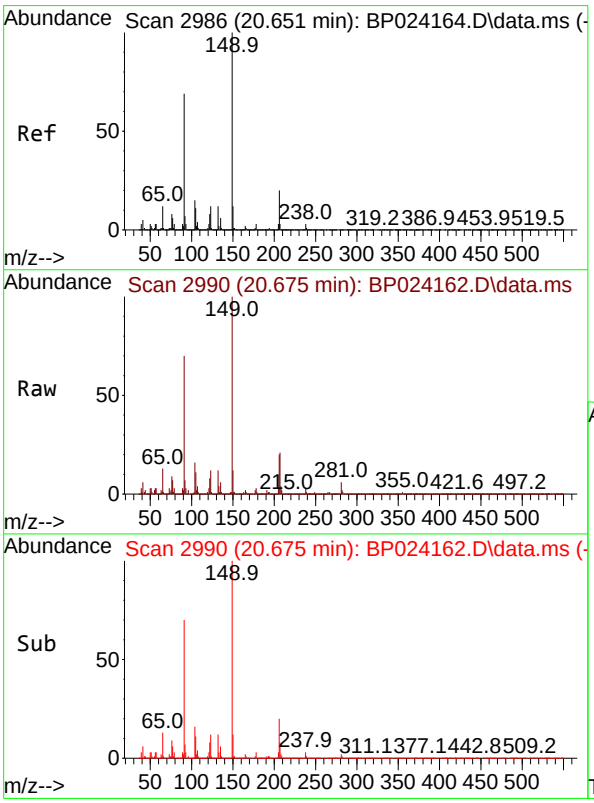
#79
Terphenyl-d14
Concen: 19.251 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

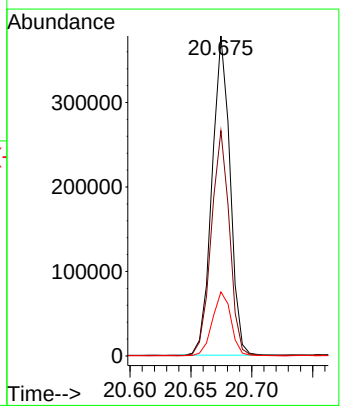


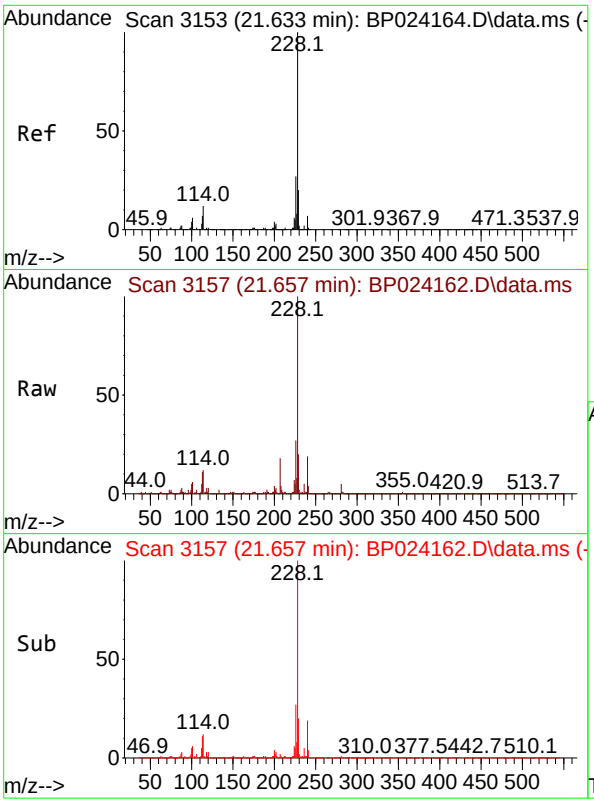


#80
Butylbenzylphthalate
Concen: 9.049 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



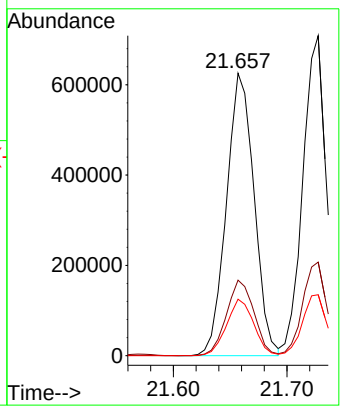


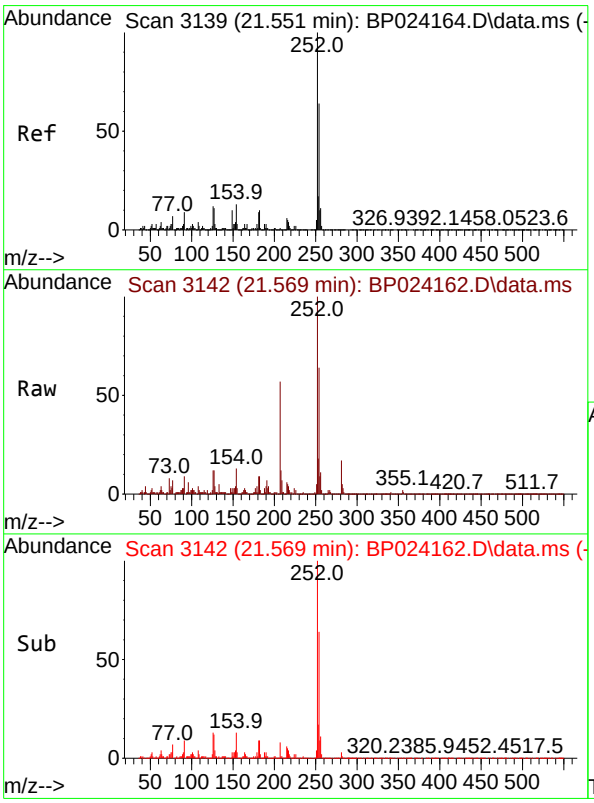
#81
Benzo(a)anthracene
Concen: 9.520 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

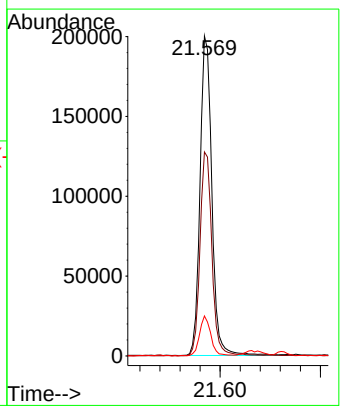


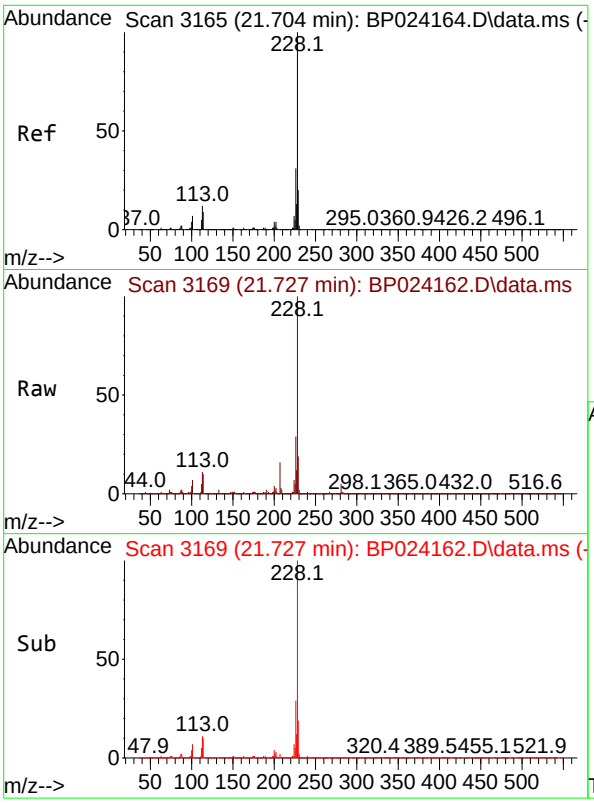


#82
3,3'-Dichlorobenzidine
Concen: 9.409 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



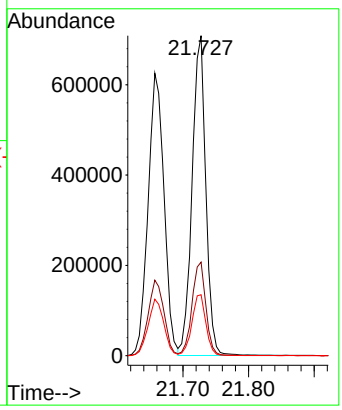


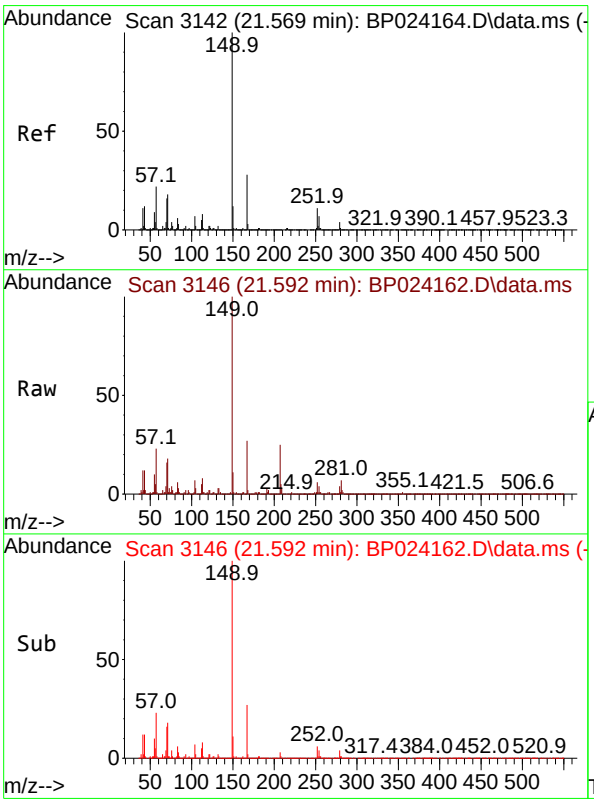
#83
Chrysene
Concen: 9.585 ng
RT: 21.727 min Scan# 31
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

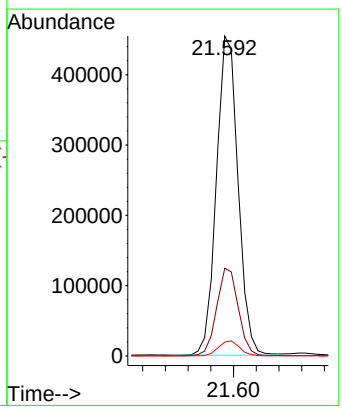


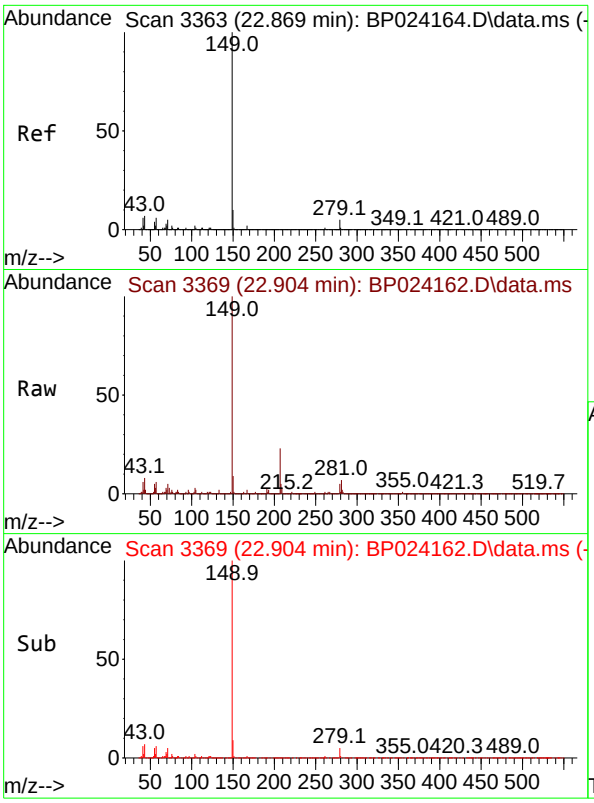


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.181 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



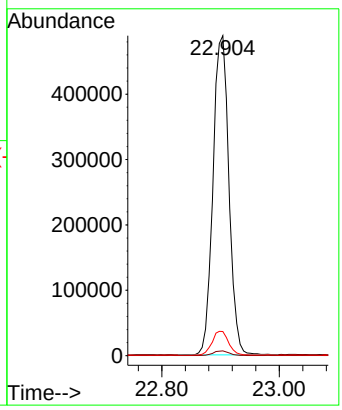


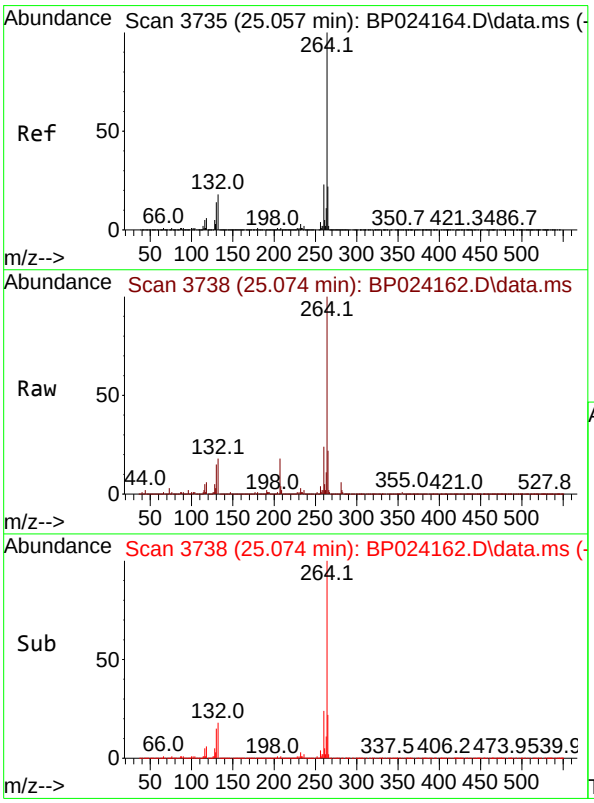
#85
Di-n-octyl phthalate
Concen: 8.757 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

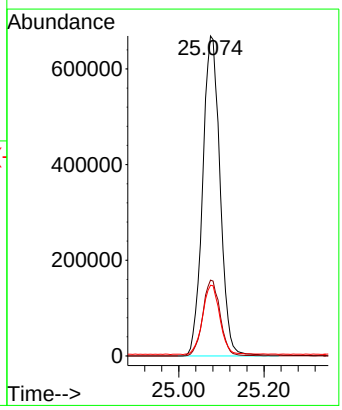


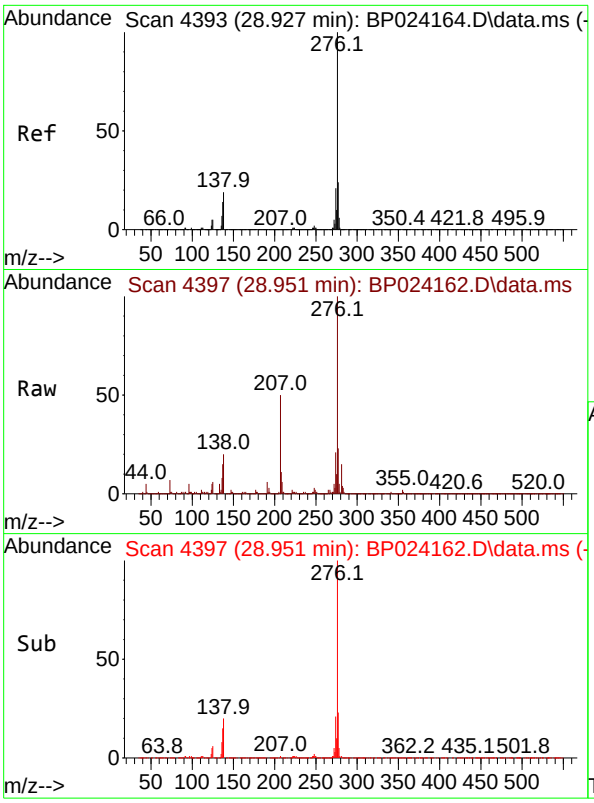


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



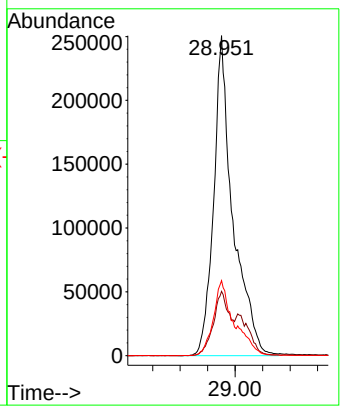


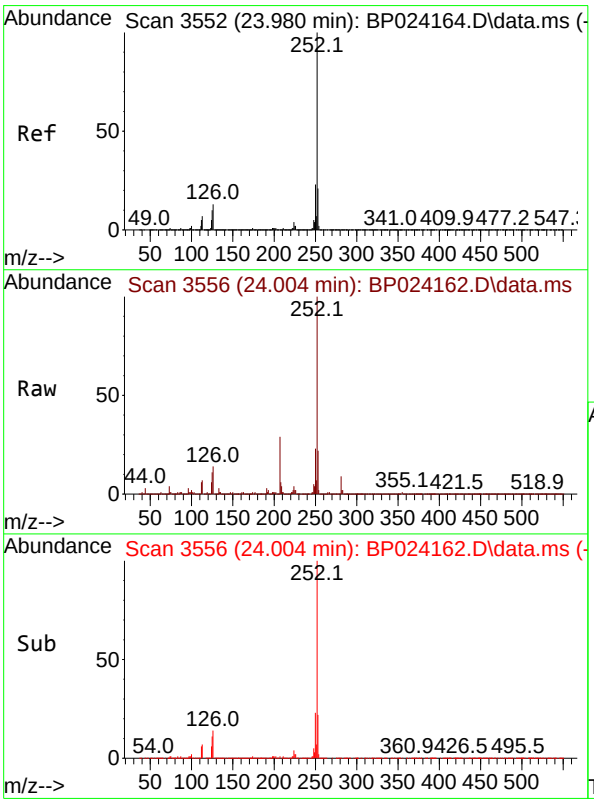
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.061 ng
RT: 28.951 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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#

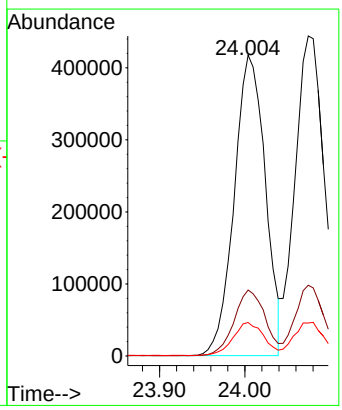


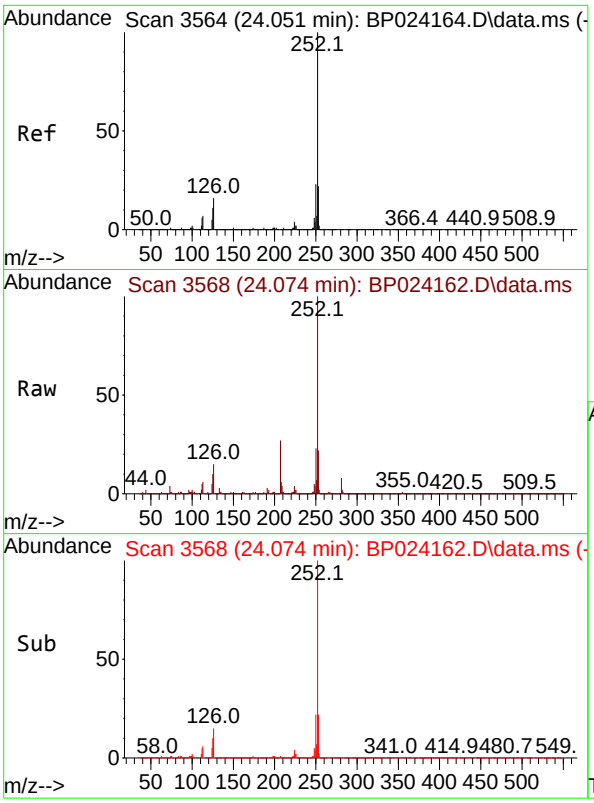


#88
Benzo(b)fluoranthene
Concen: 8.789 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



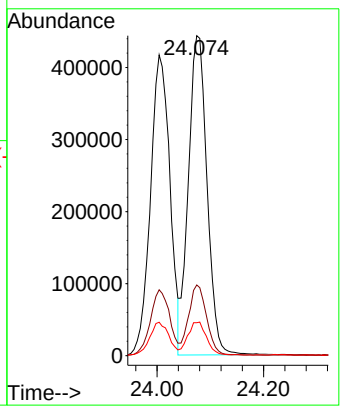


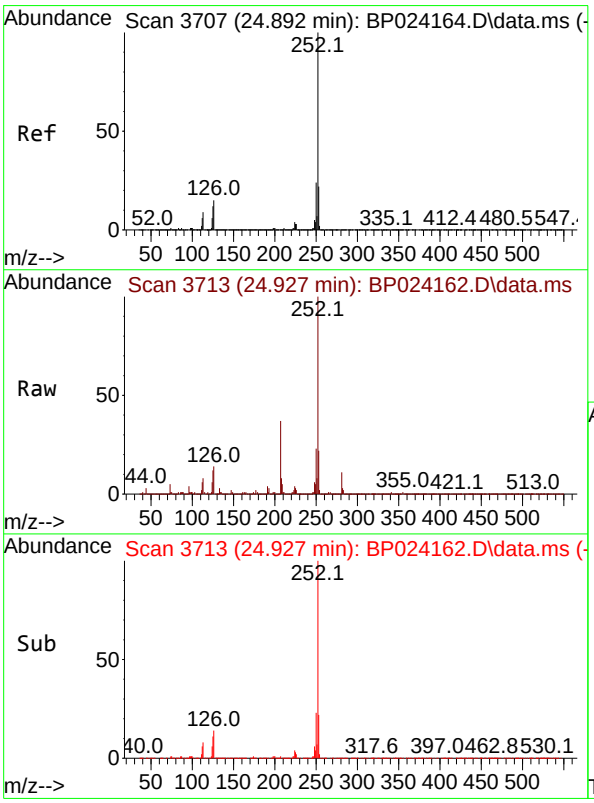
#89
Benzo(k)fluoranthene
Concen: 9.190 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

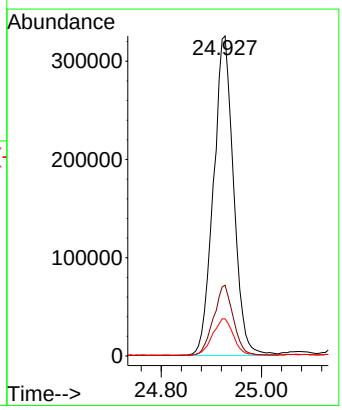


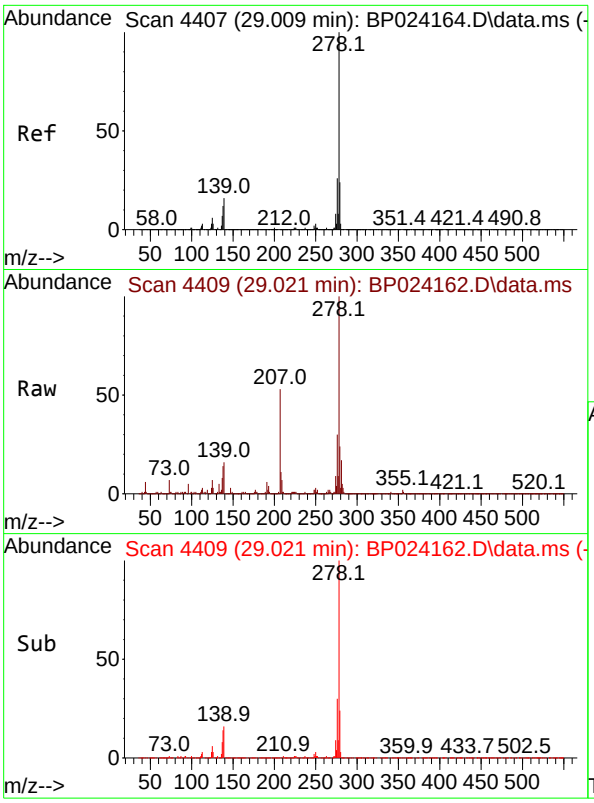


#90
Benzo(a)pyrene
Concen: 8.896 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



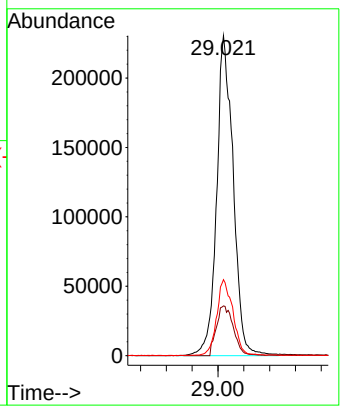


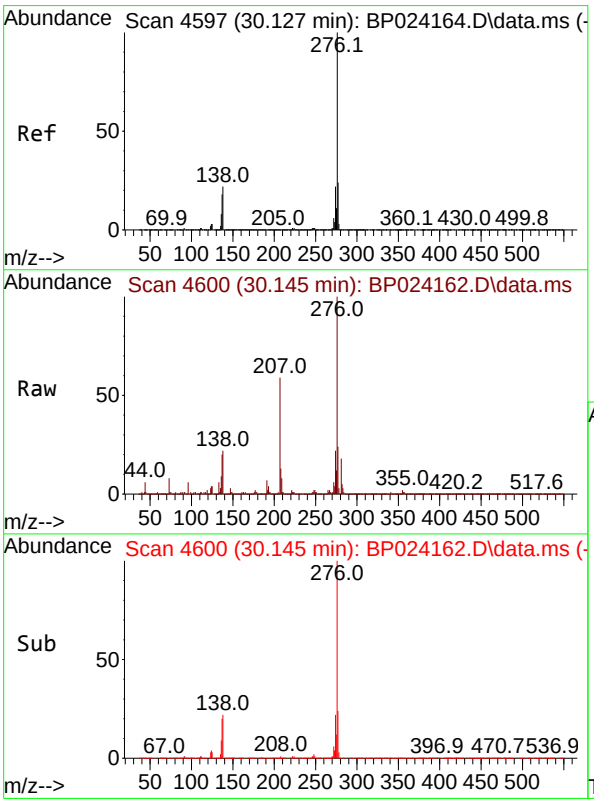
#91
Dibenzo(a,h)anthracene
Concen: 9.052 ng
RT: 29.021 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

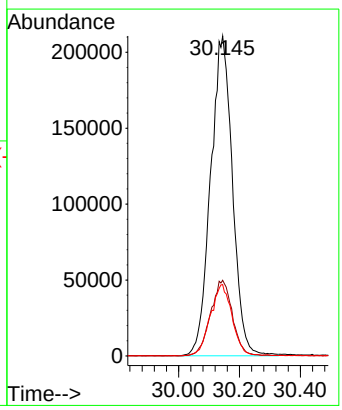




#92
Benzo(g,h,i)perylene
Concen: 9.121 ng
RT: 30.145 min Scan# 4600
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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



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

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

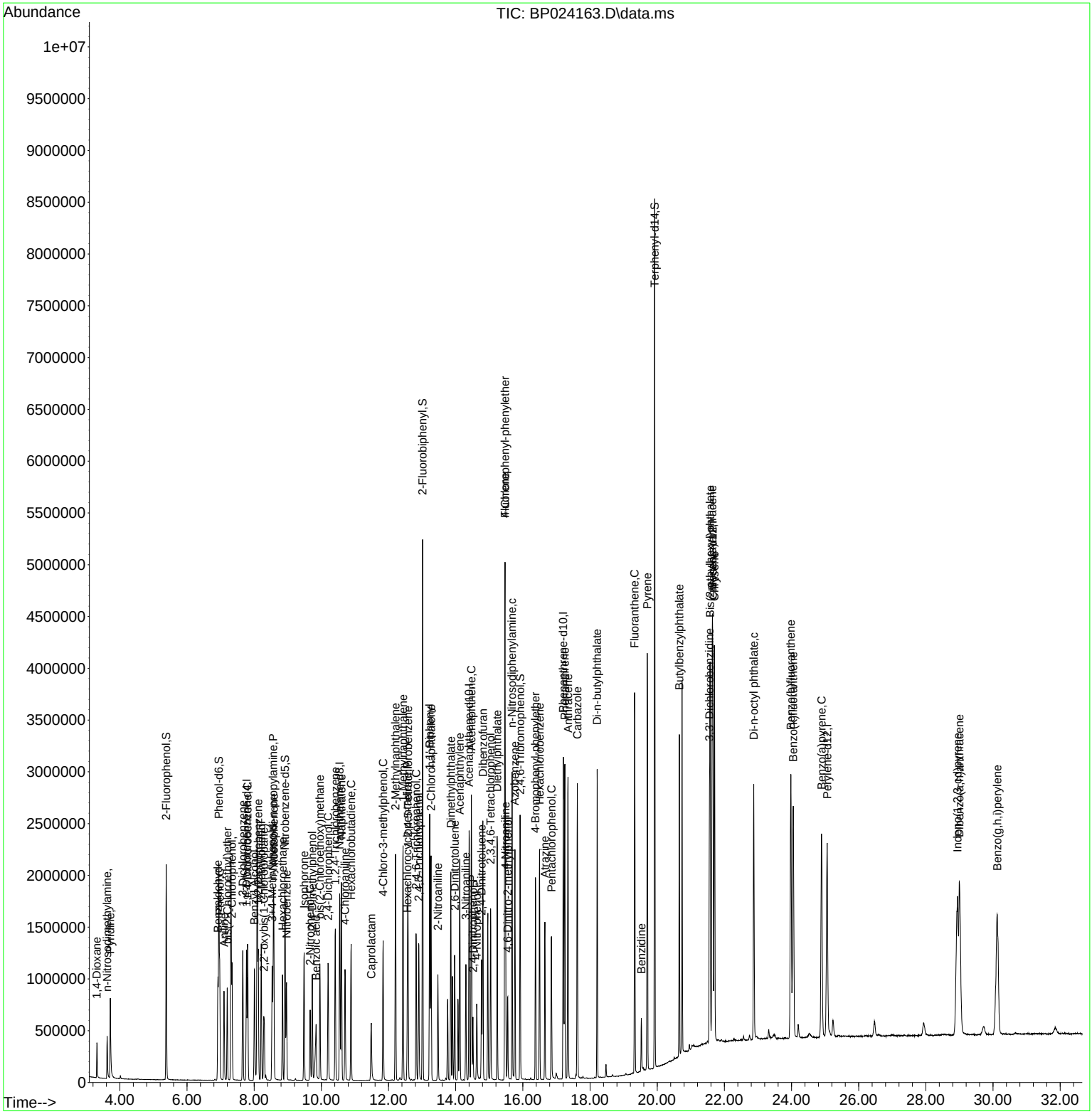
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	370561	20.184	ng		98
46) 1,1'-Biphenyl	13.228	154	1402874	20.152	ng		99
47) 2-Chloronaphthalene	13.269	162	1056861	20.083	ng		99
48) 2-Nitroaniline	13.469	65	268455	21.595	ng		98
49) Acenaphthylene	14.122	152	1590772	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

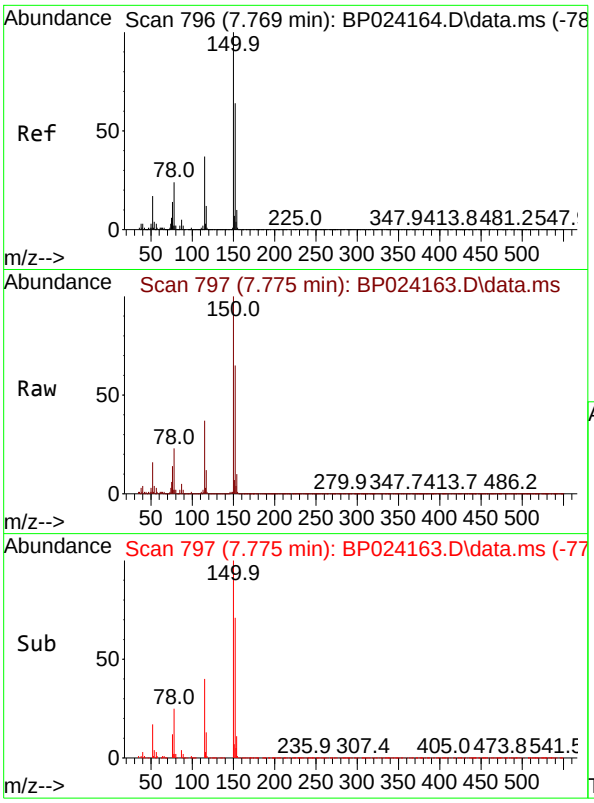
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



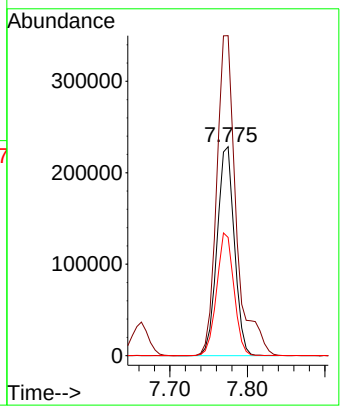


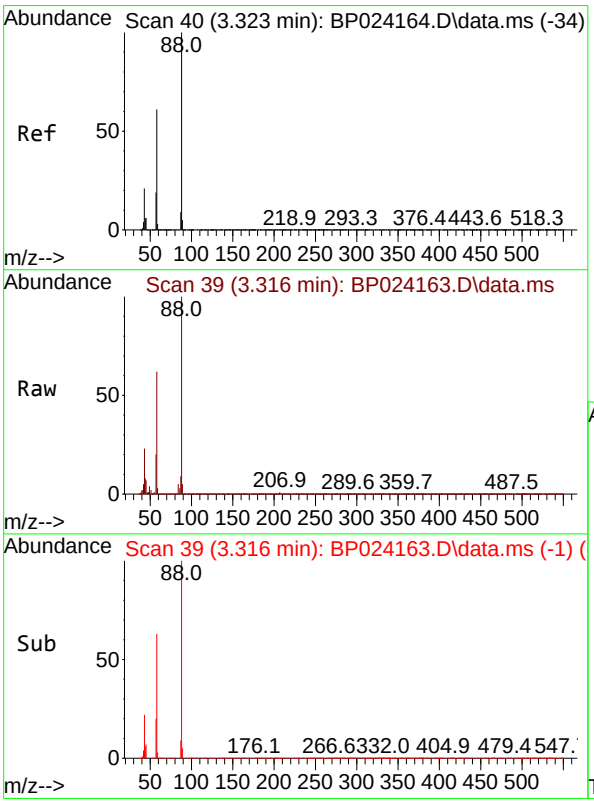
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

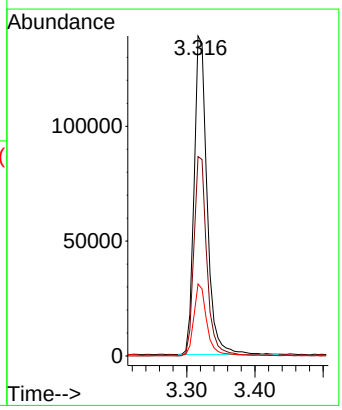


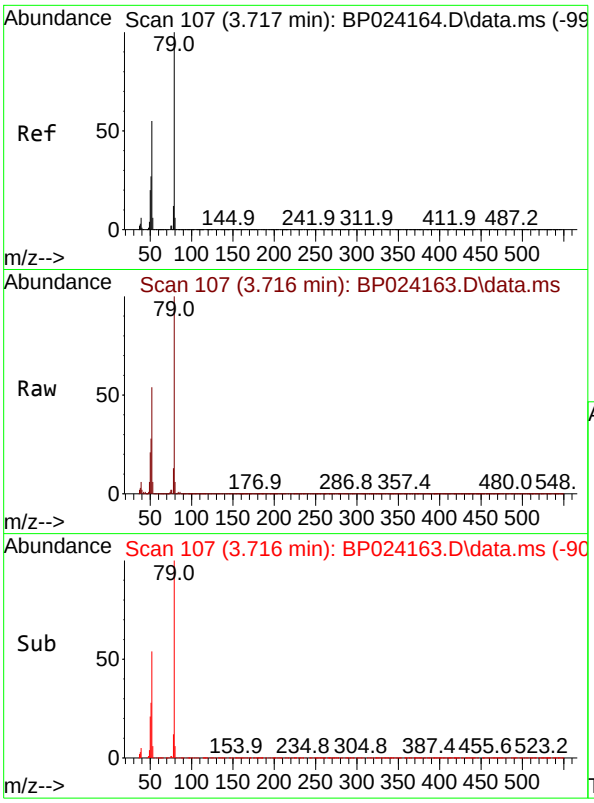


#2
1,4-Dioxane
Concen: 20.599 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



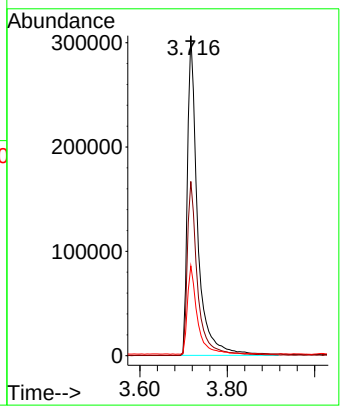


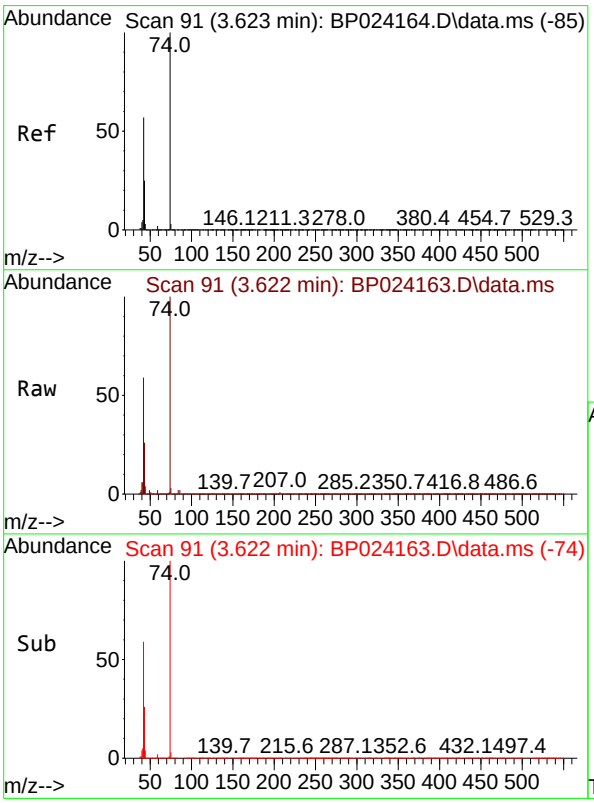
#3
Pyridine
Concen: 21.504 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

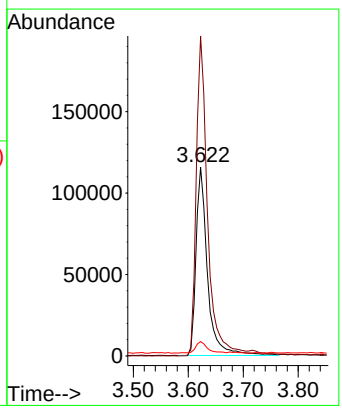


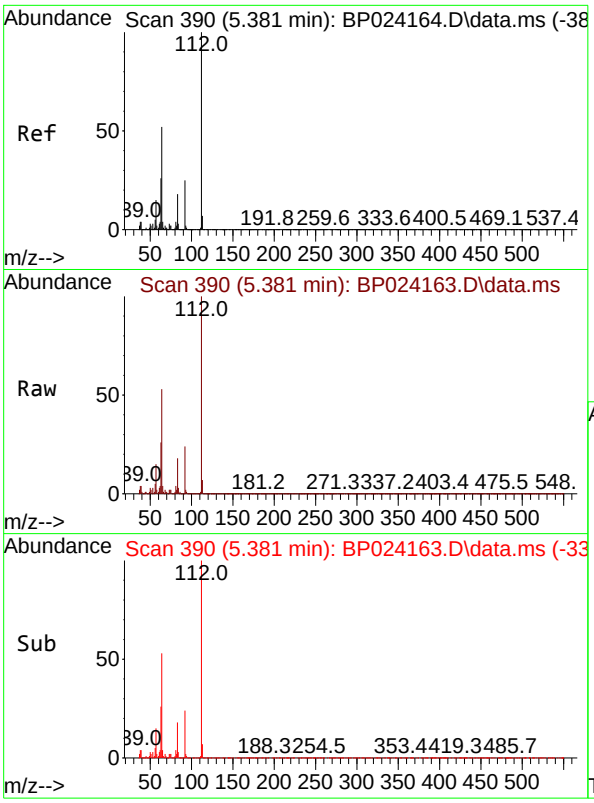


#4
n-Nitrosodimethylamine
Concen: 20.517 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



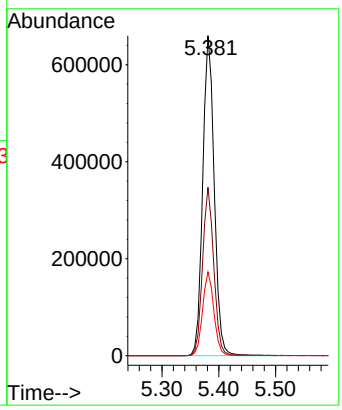


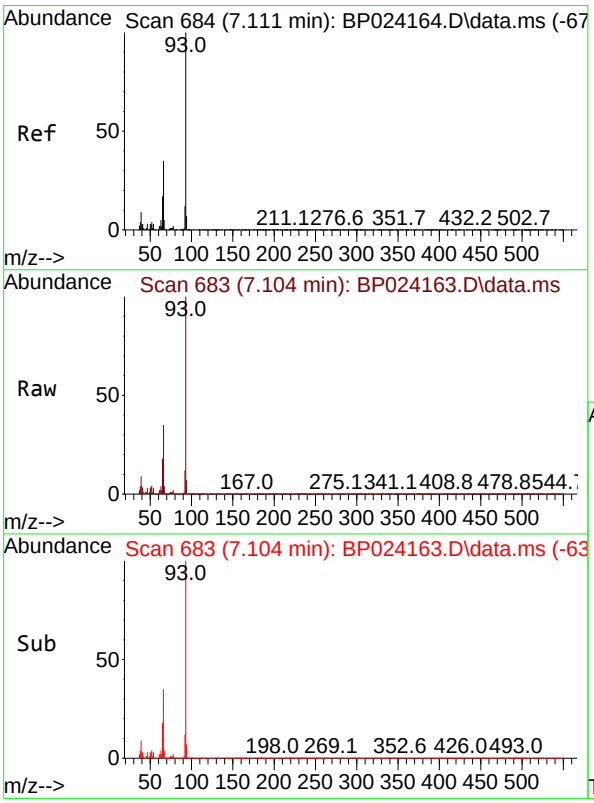
#5
2-Fluorophenol
Concen: 40.796 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

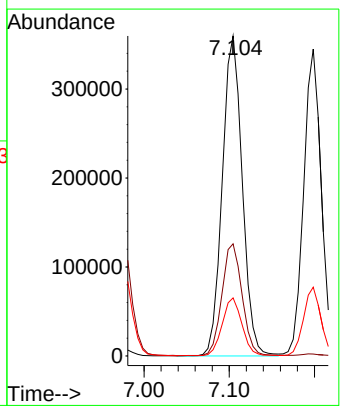


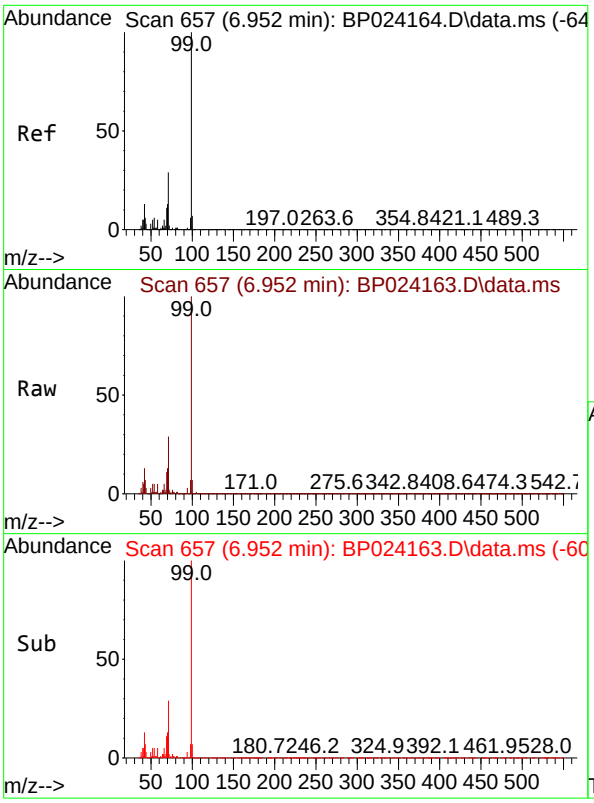


#6
Aniline
Concen: 21.953 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



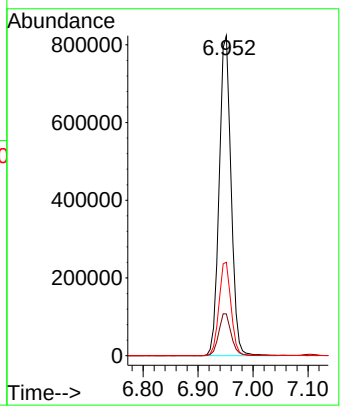


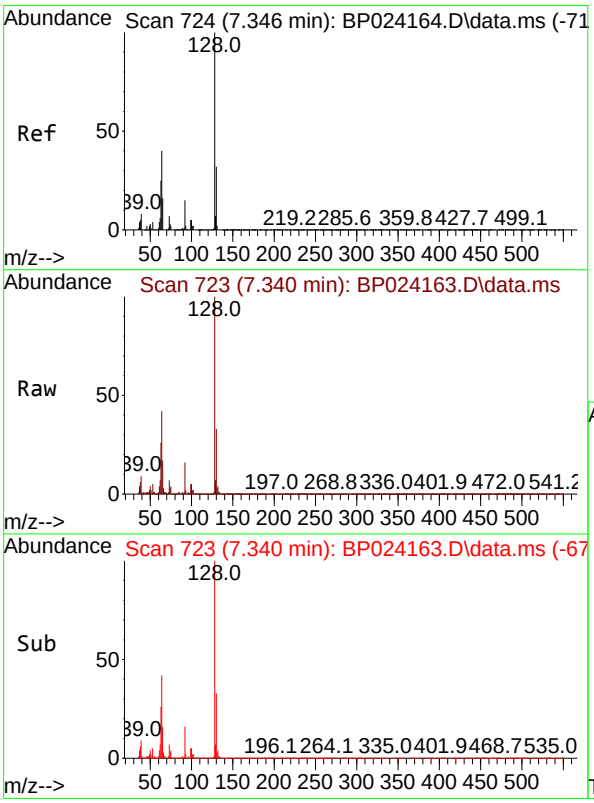
#7
Phenol-d6
Concen: 42.415 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

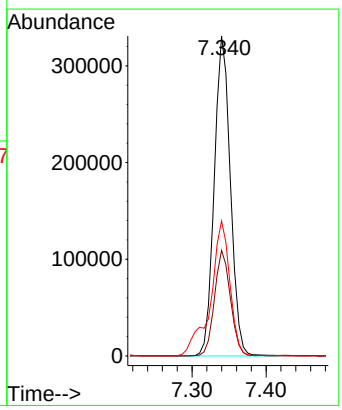


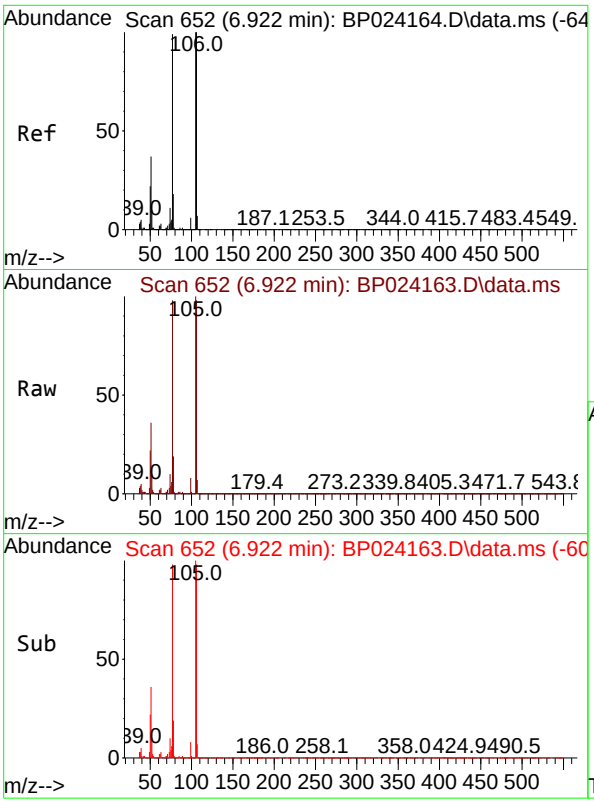


#8
2-Chlorophenol
Concen: 20.827 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



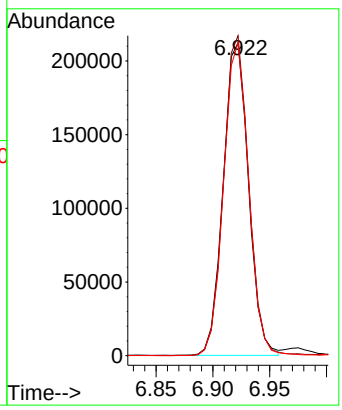


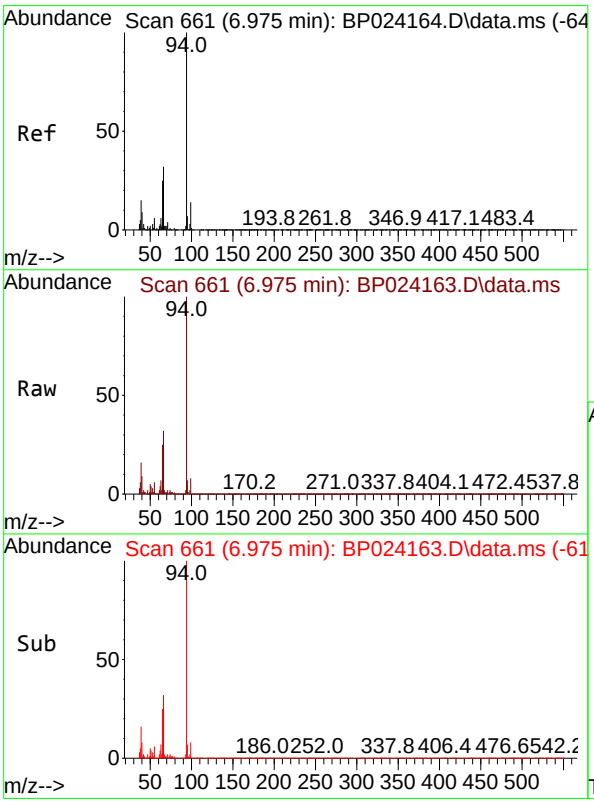
#9
Benzaldehyde
Concen: 24.728 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

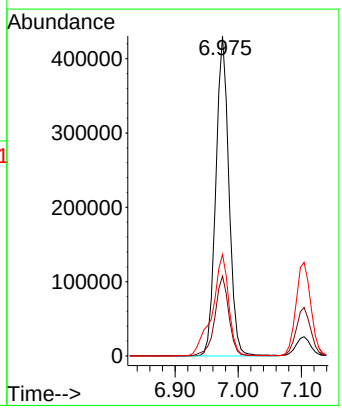


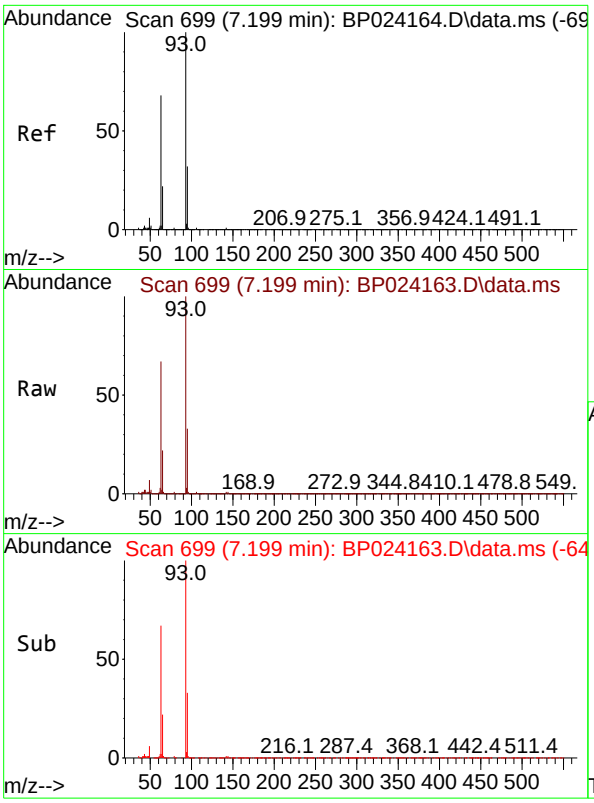


#10
Phenol
Concen: 21.173 ng
RT: 6.975 min Scan# 661
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



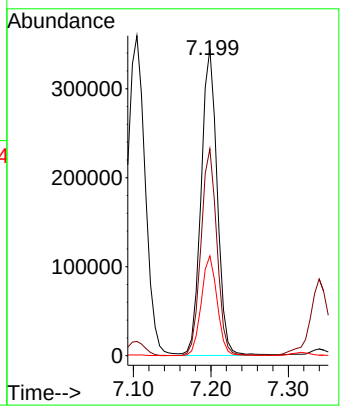


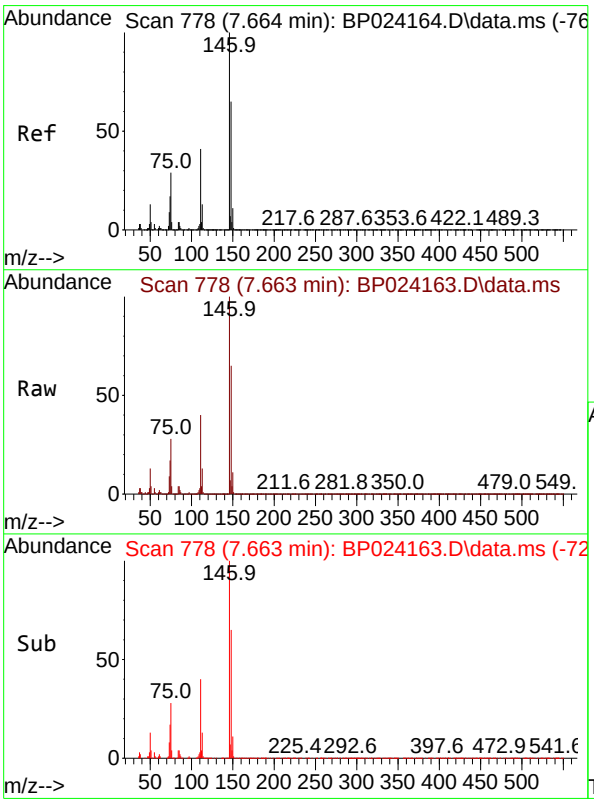
#11
bis(2-Chloroethyl)ether
Concen: 21.565 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

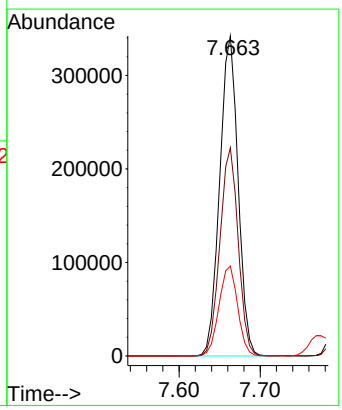


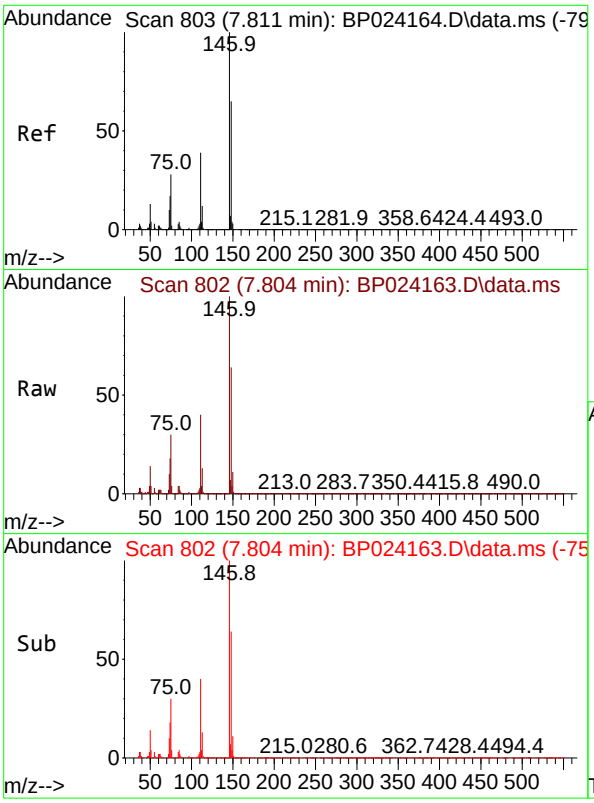


#12
1,3-Dichlorobenzene
Concen: 20.418 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



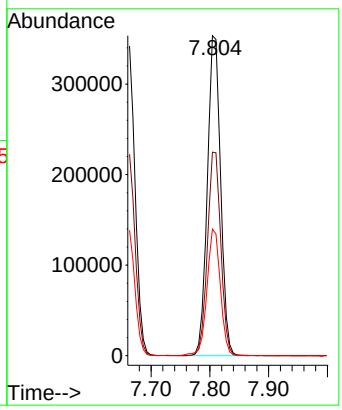


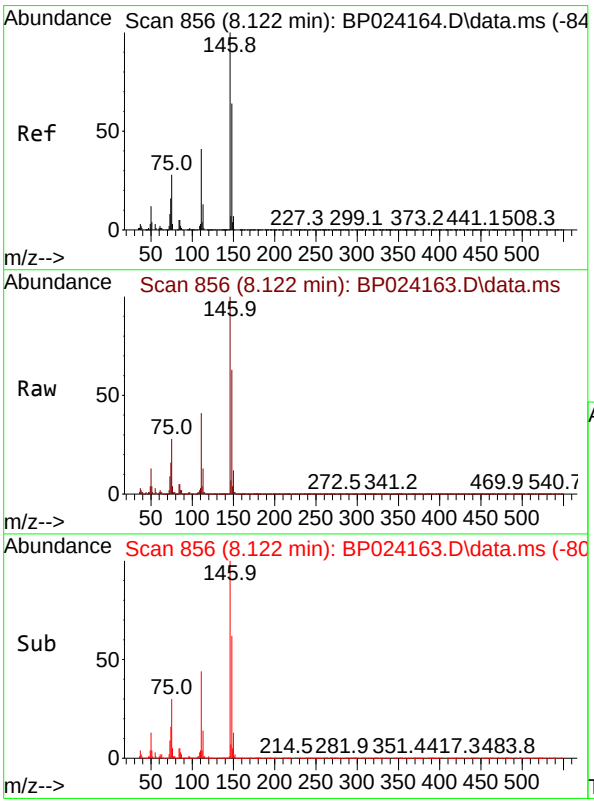
#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

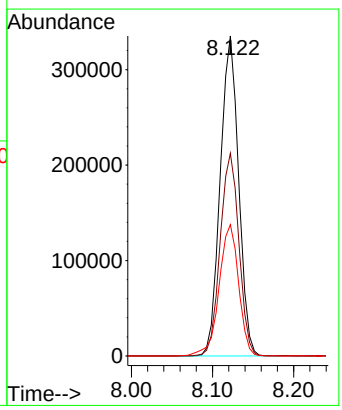


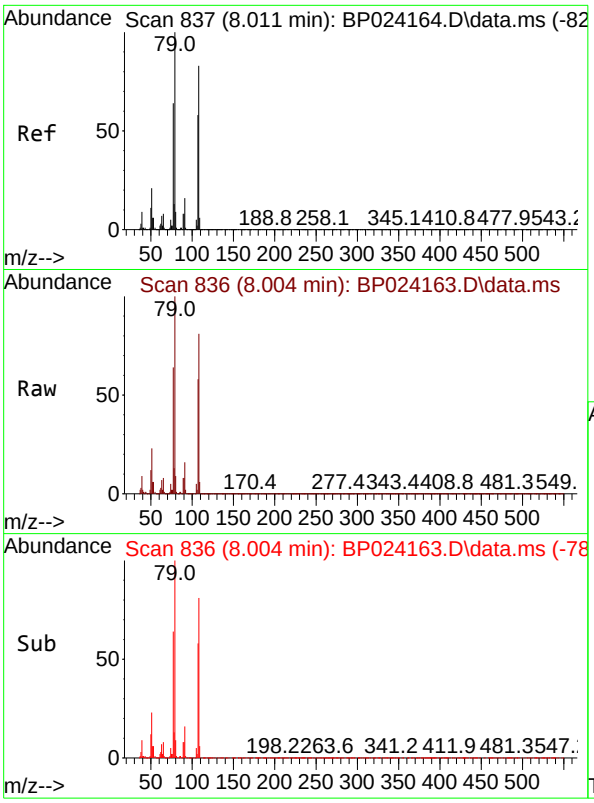


#14
1,2-Dichlorobenzene
Concen: 20.654 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



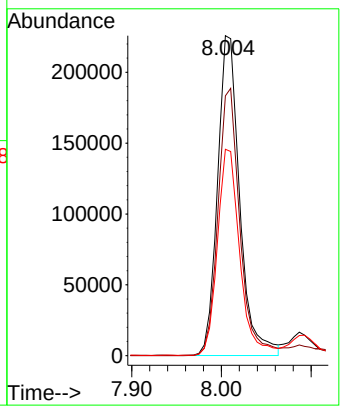


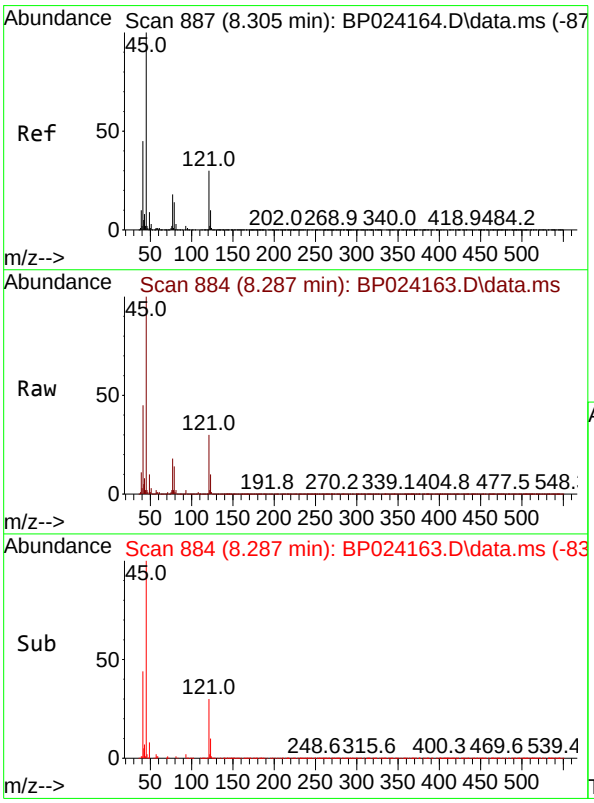
#15
Benzyl Alcohol
Concen: 21.735 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

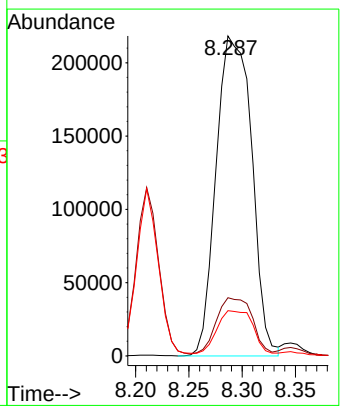


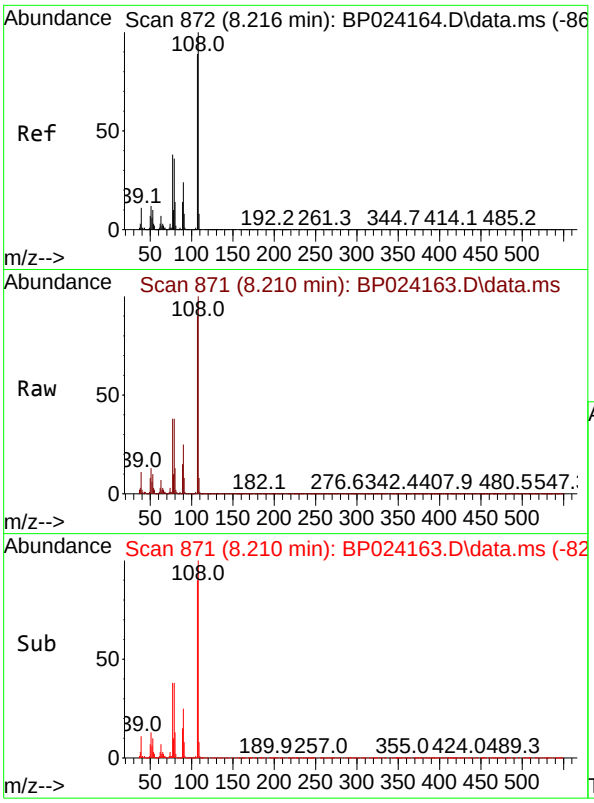


#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.636 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



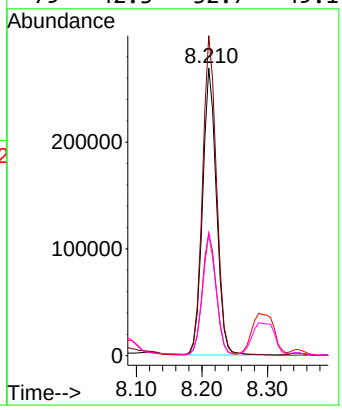


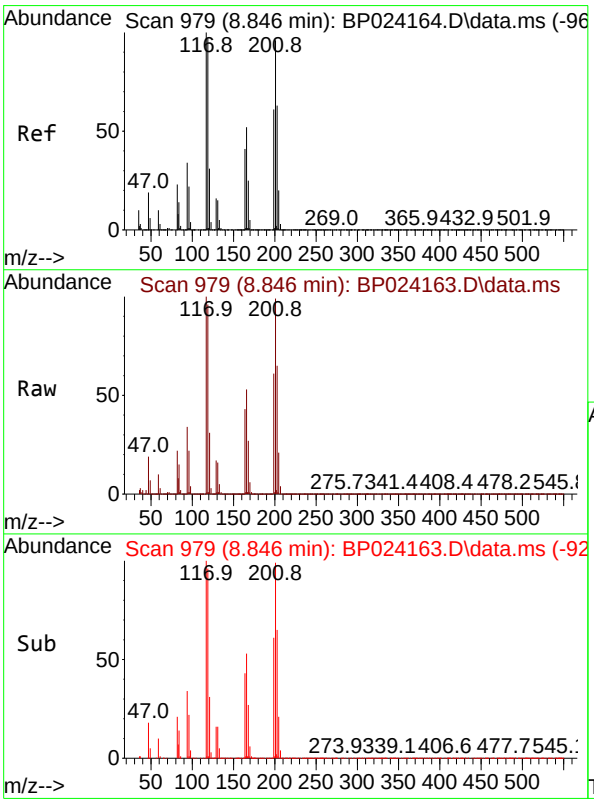
#17
2-Methylphenol
Concen: 22.190 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

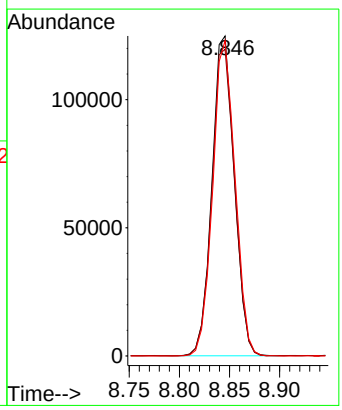


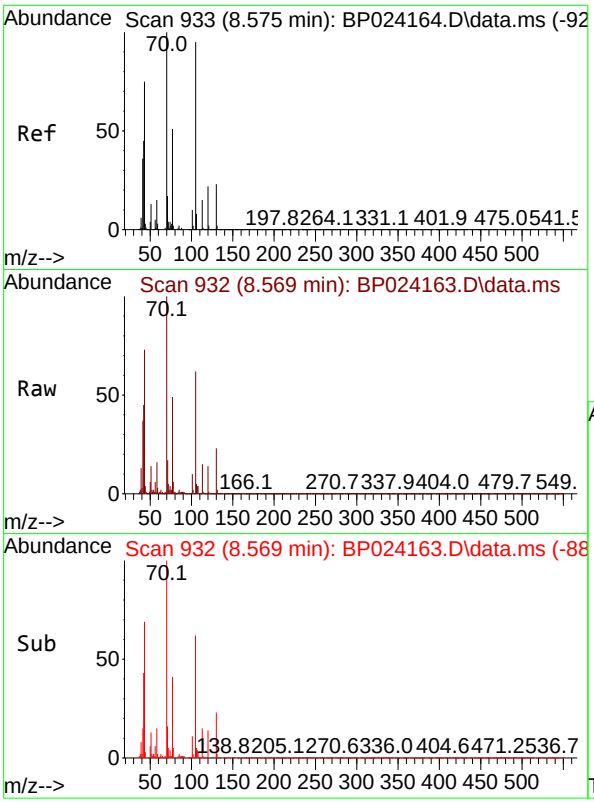


#18
Hexachloroethane
Concen: 20.172 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



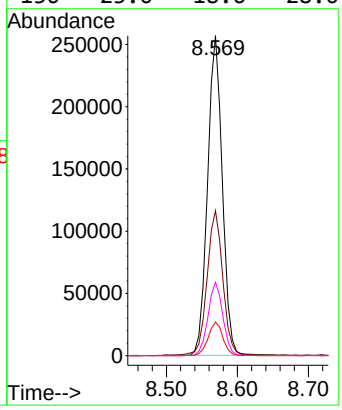


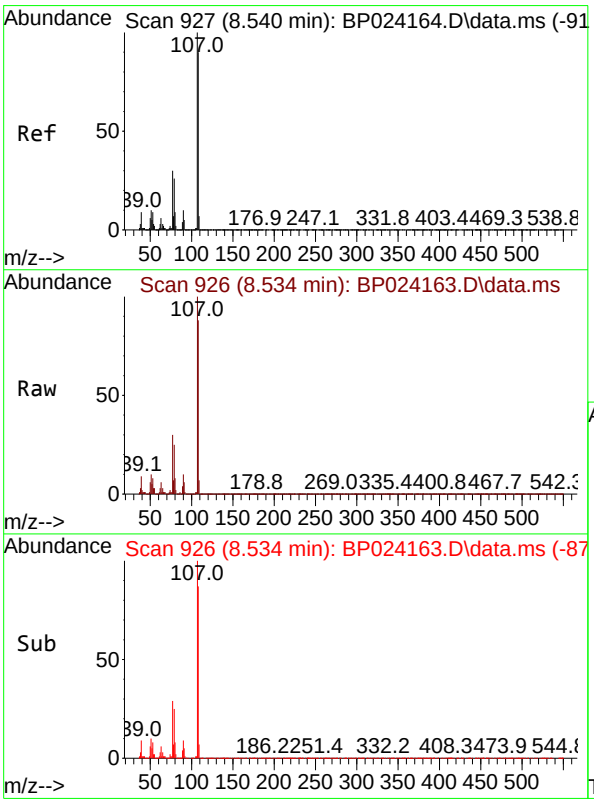
#19
n-Nitroso-di-n-propylamine
Concen: 23.663 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

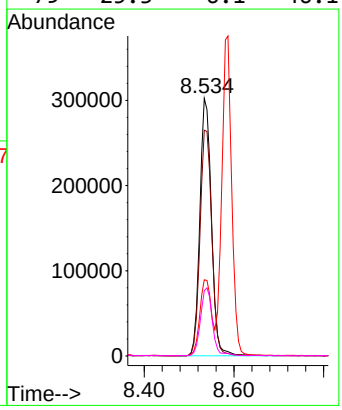


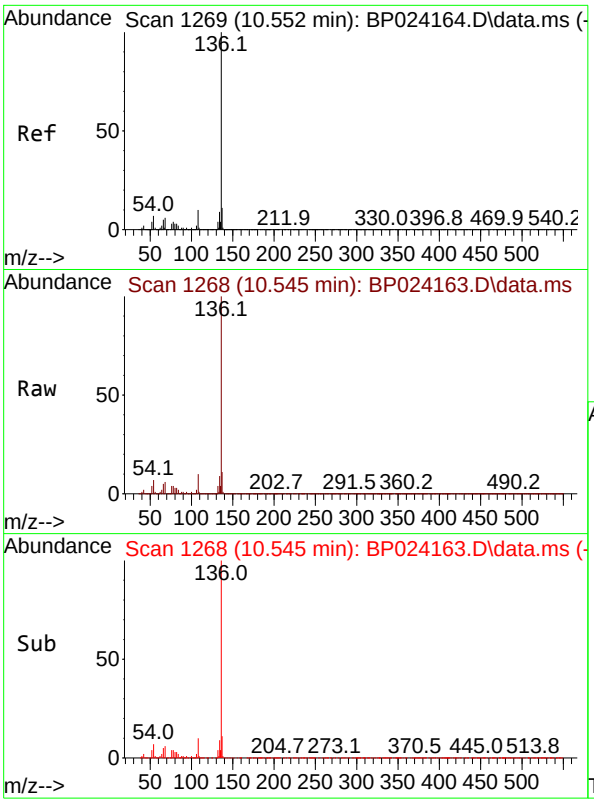


#20
3+4-Methylphenols
Concen: 22.289 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



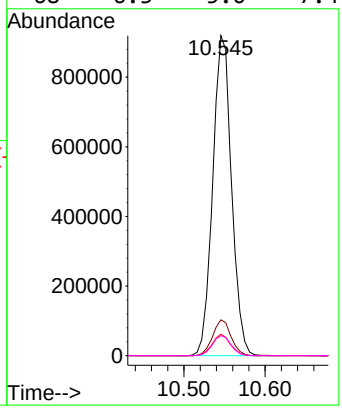


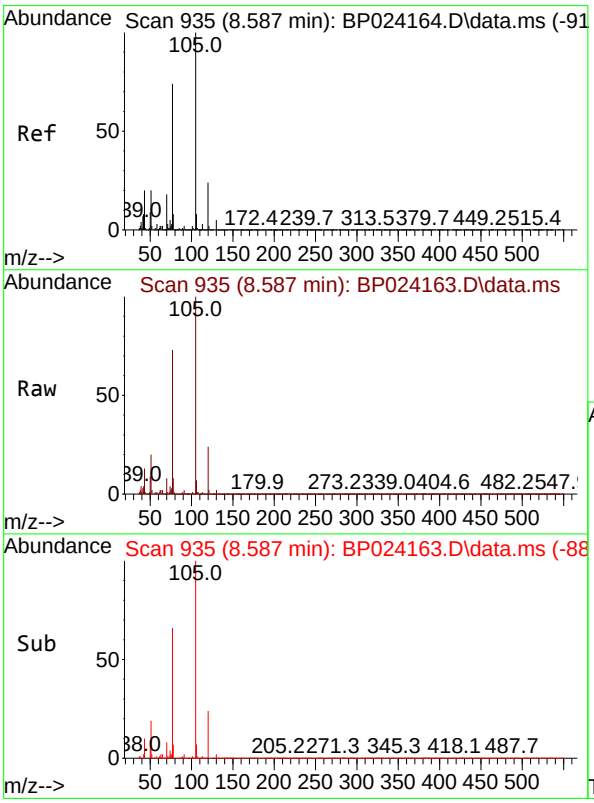
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

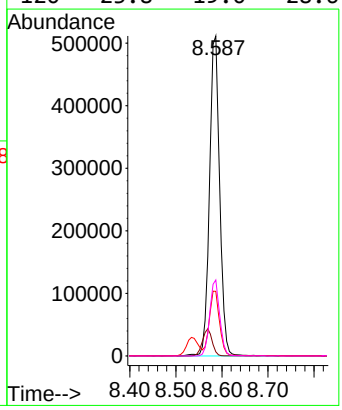


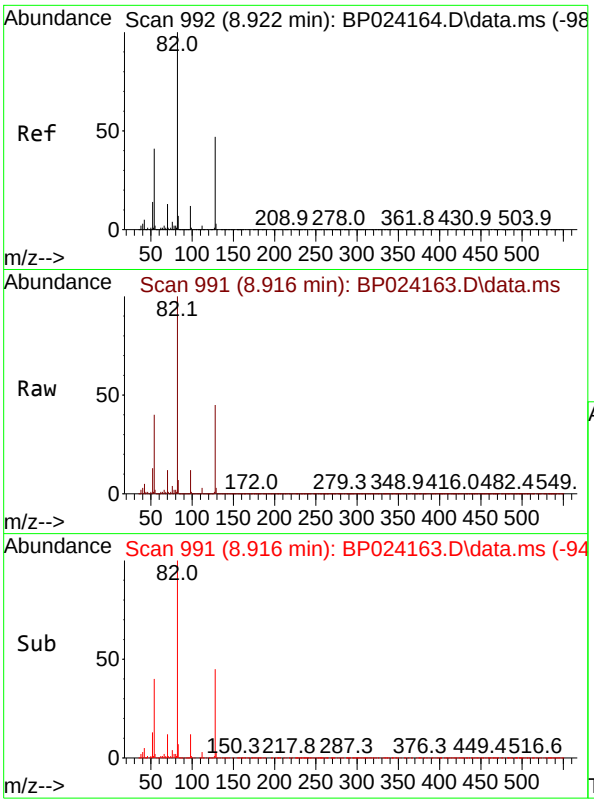


#22
Acetophenone
Concen: 20.677 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



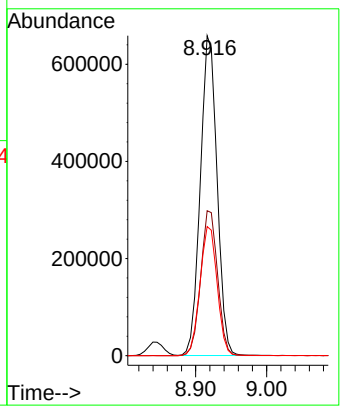


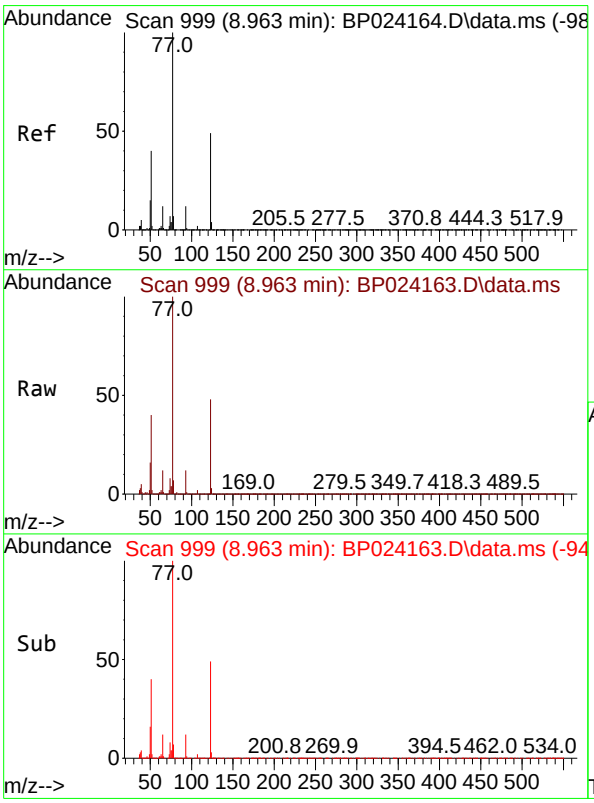
#23
Nitrobenzene-d5
Concen: 40.785 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

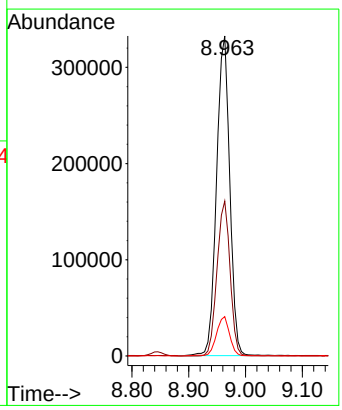


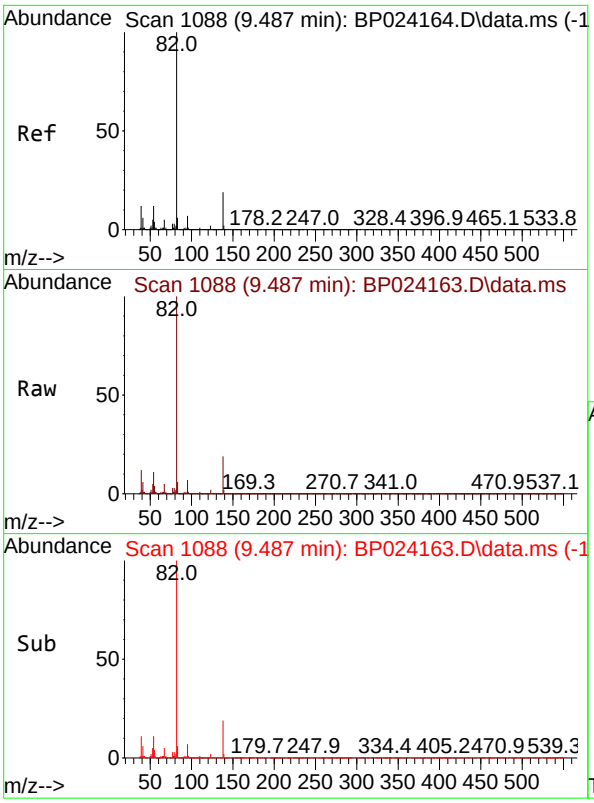


#24
Nitrobenzene
Concen: 20.529 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



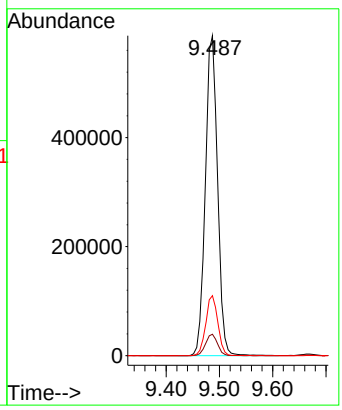


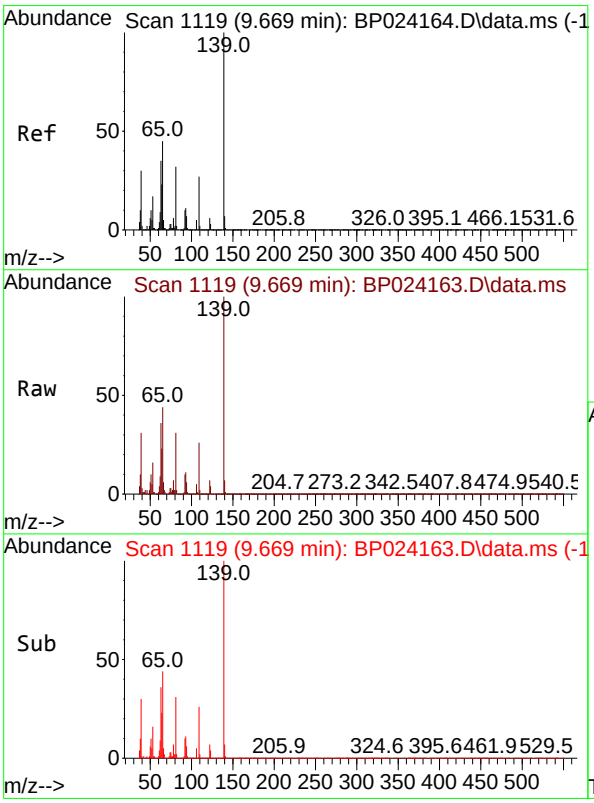
#25
Isophorone
Concen: 21.523 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

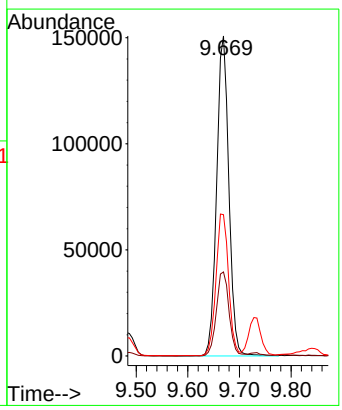


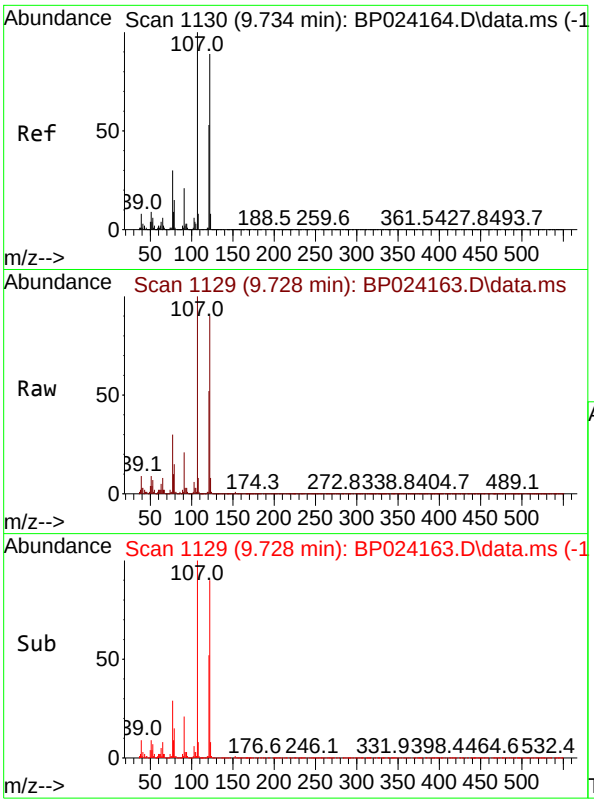


#26
2-Nitrophenol
Concen: 20.534 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



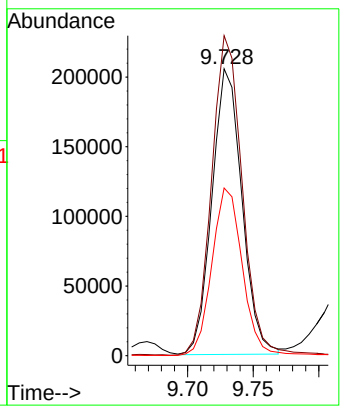


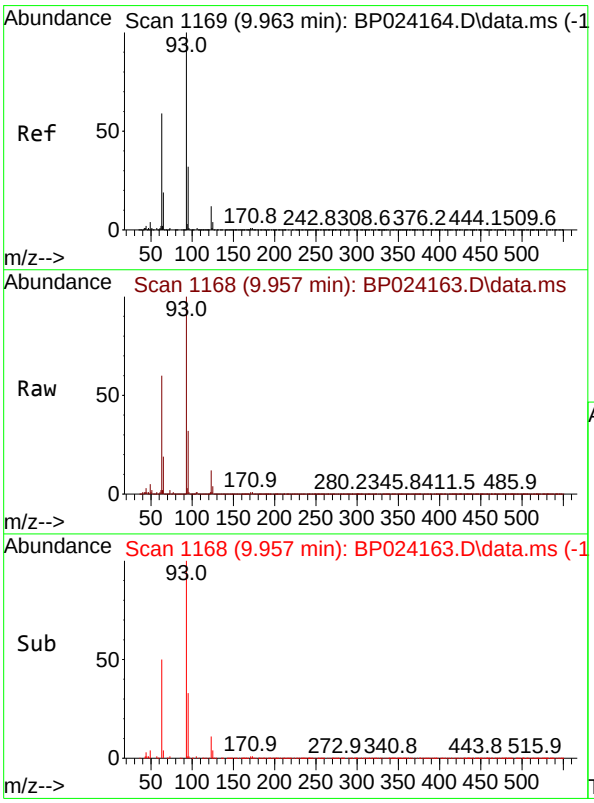
#27
2,4-Dimethylphenol
Concen: 20.646 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

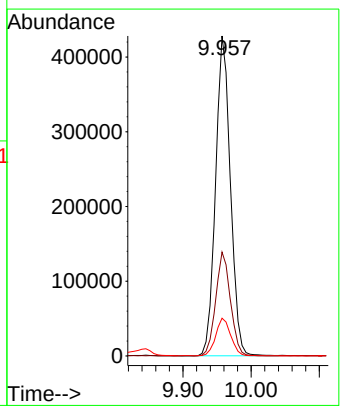


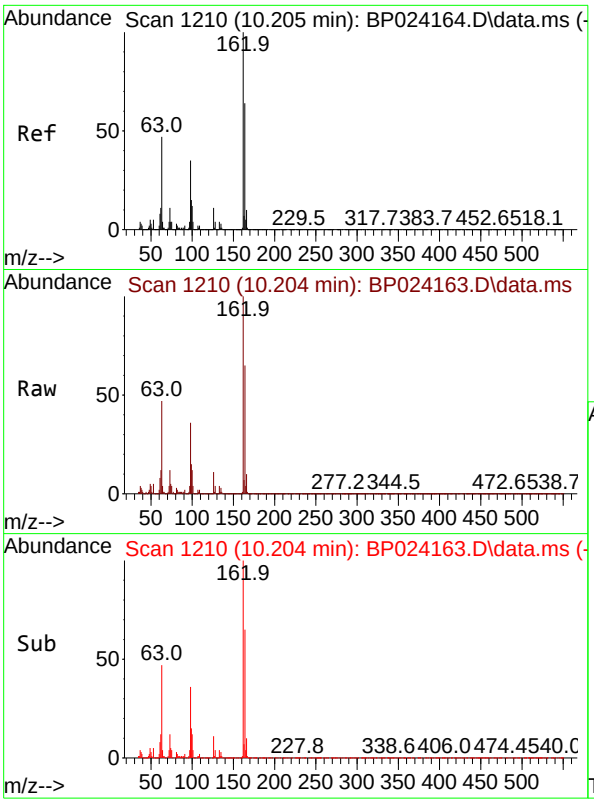


#28
bis(2-Chloroethoxy)methane
Concen: 20.649 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



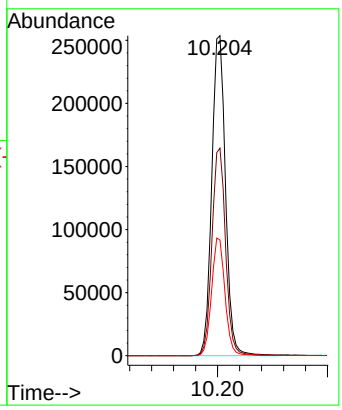


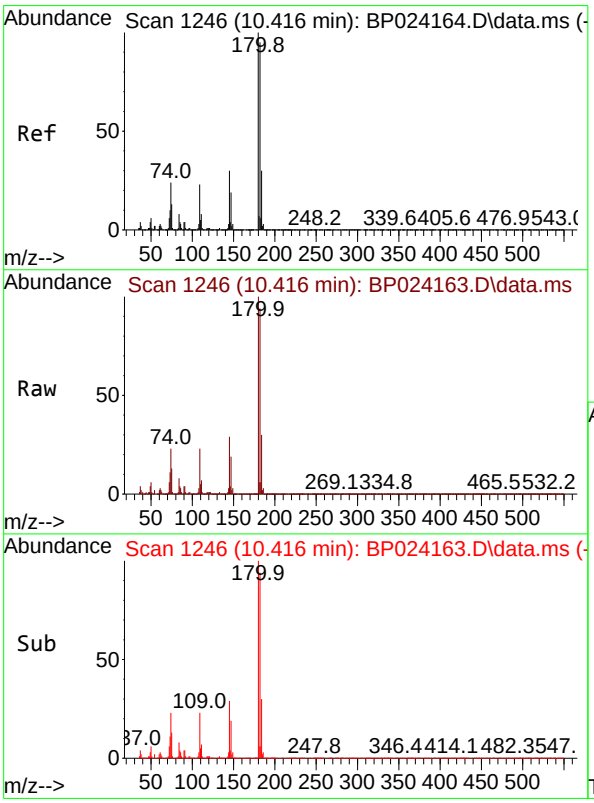
#29
2,4-Dichlorophenol
Concen: 20.457 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

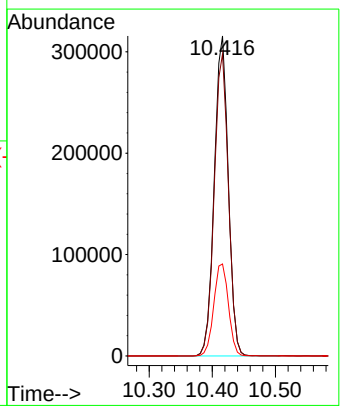


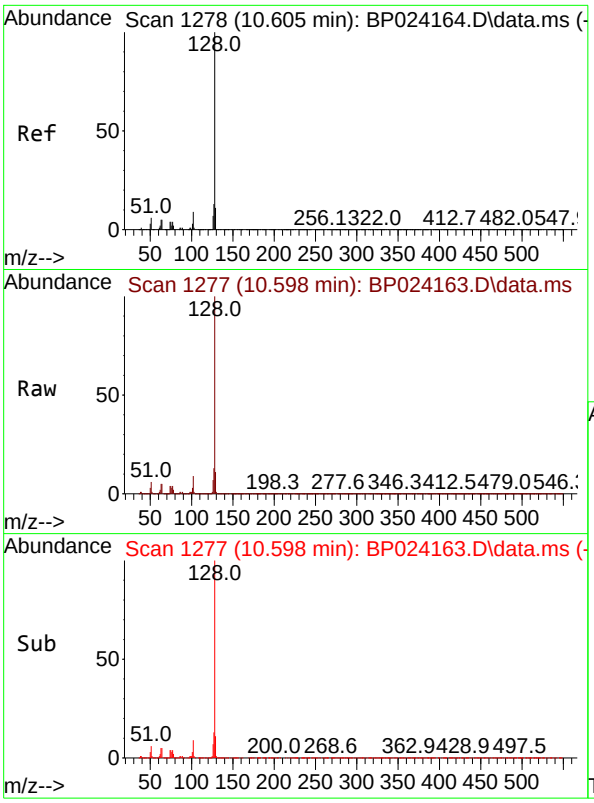


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



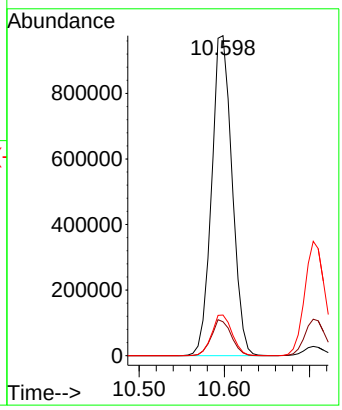


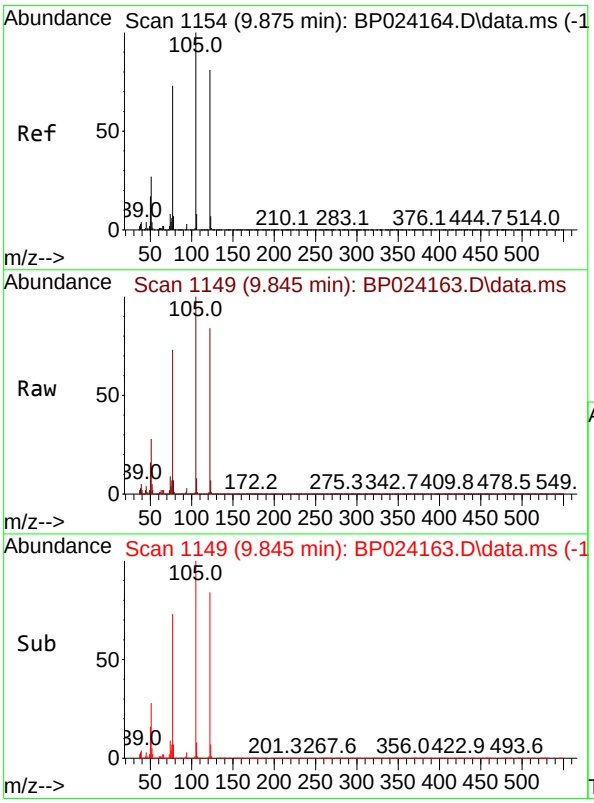
#31
Naphthalene
Concen: 20.436 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

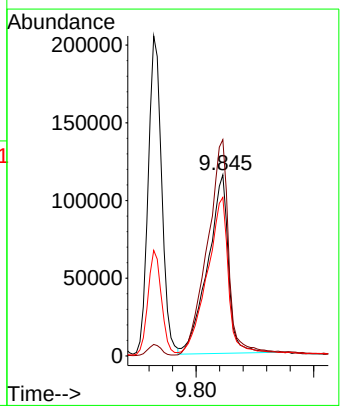


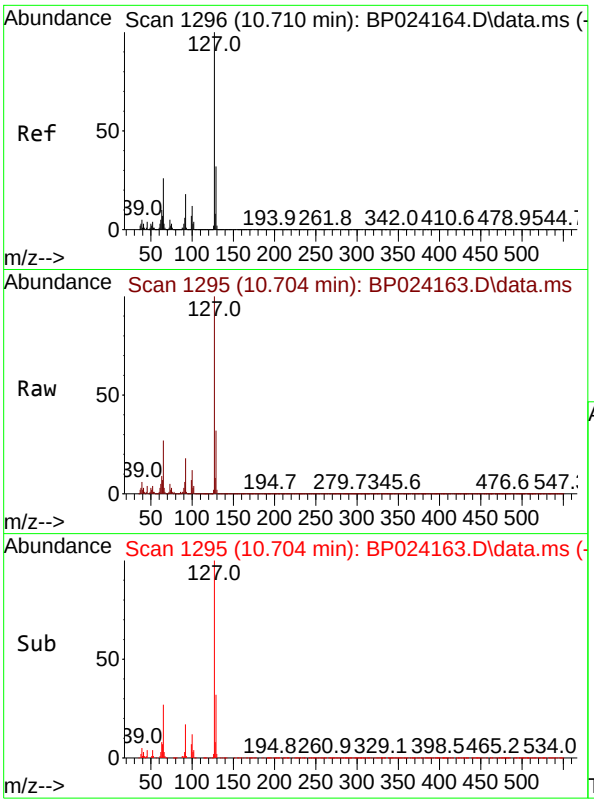


#32
Benzoic acid
Concen: 19.396 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



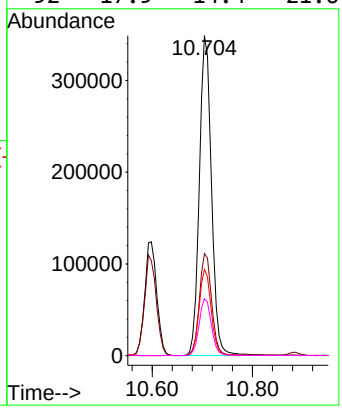


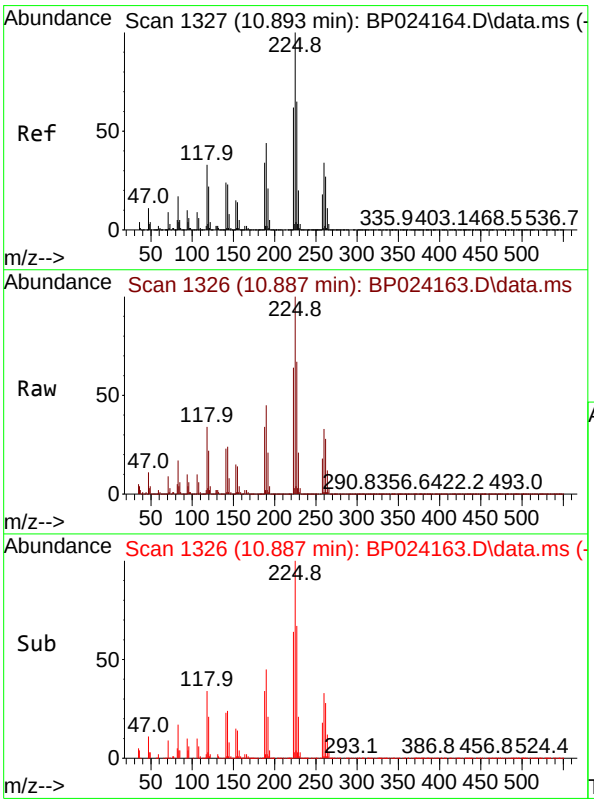
#33
4-Chloroaniline
Concen: 20.980 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

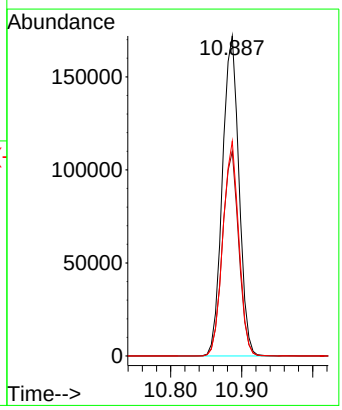


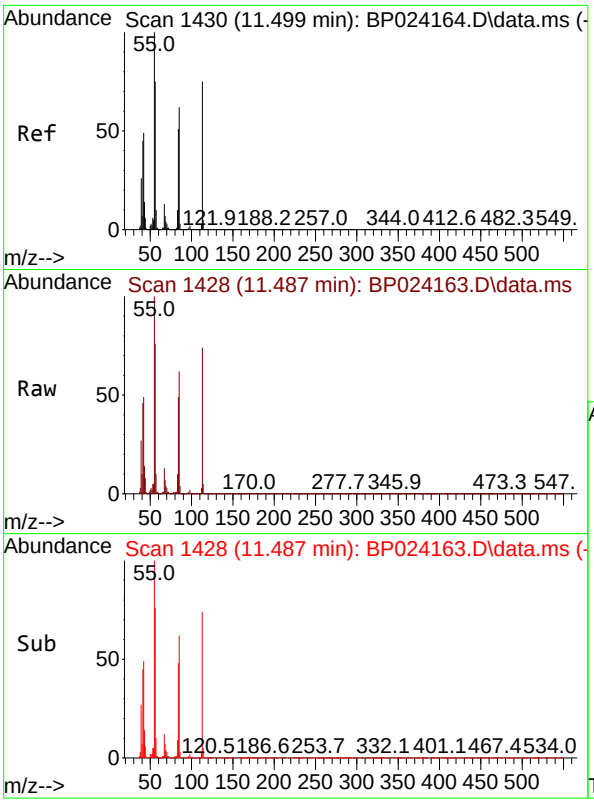


#34
Hexachlorobutadiene
Concen: 19.369 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



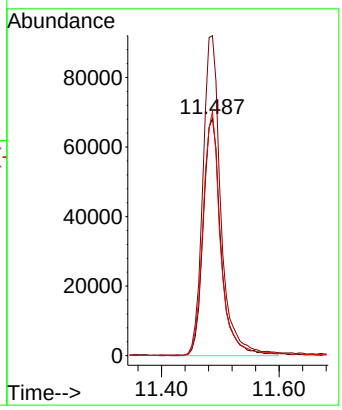


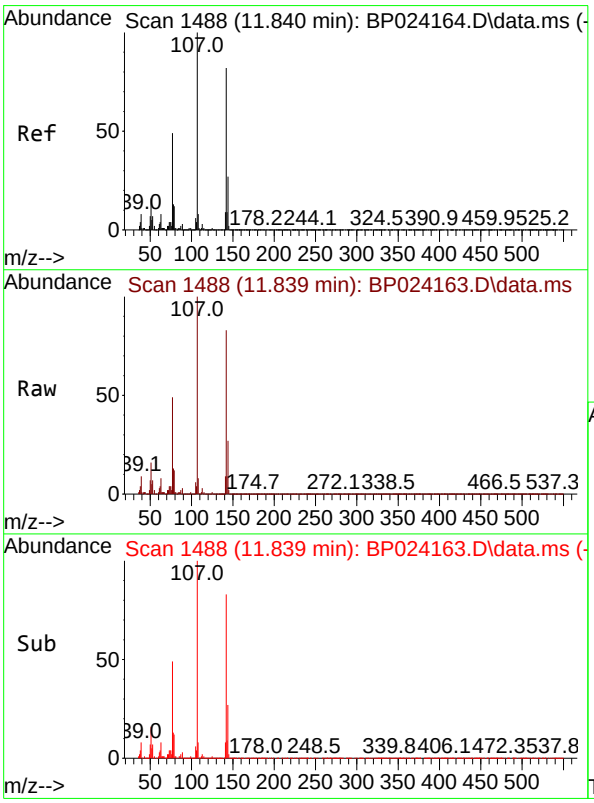
#35
Caprolactam
Concen: 21.924 ng
RT: 11.487 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

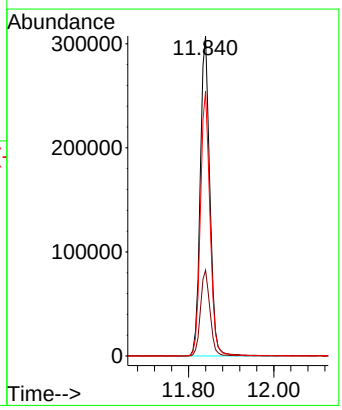


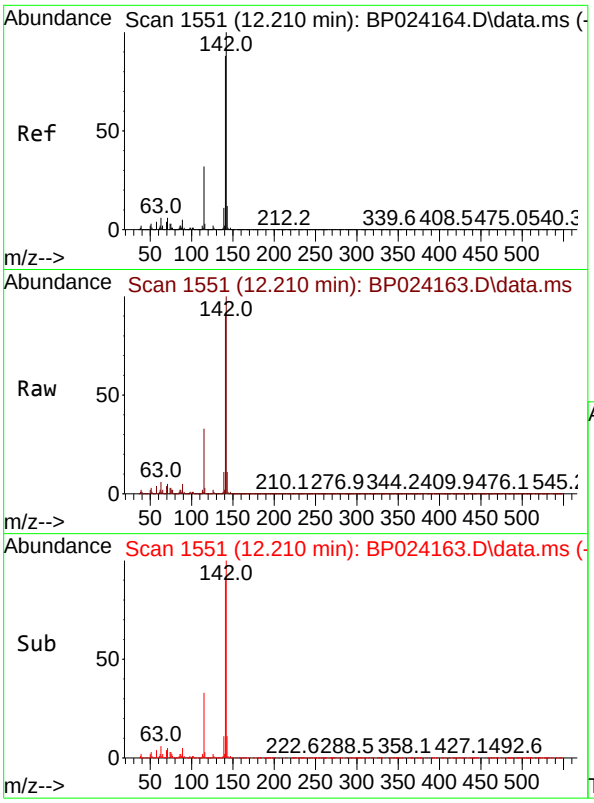


#36
4-Chloro-3-methylphenol
Concen: 21.674 ng
RT: 11.839 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



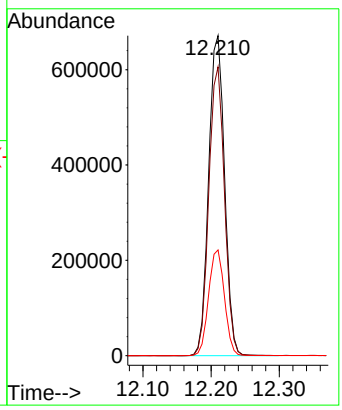


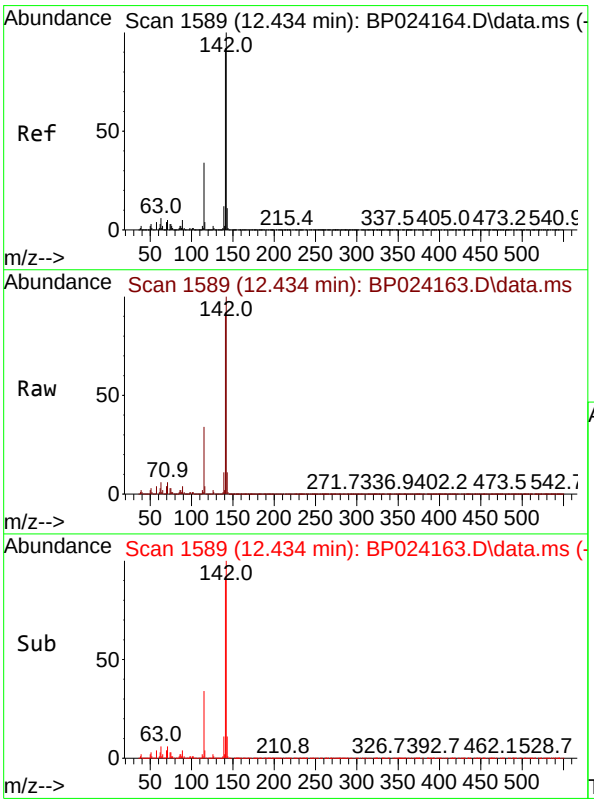
#37
2-Methylnaphthalene
Concen: 20.630 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

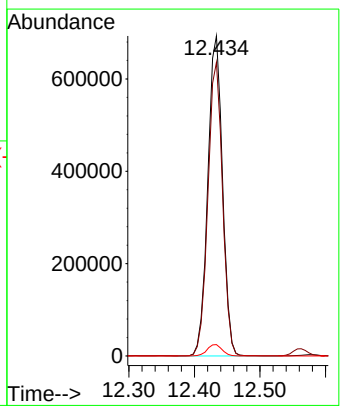


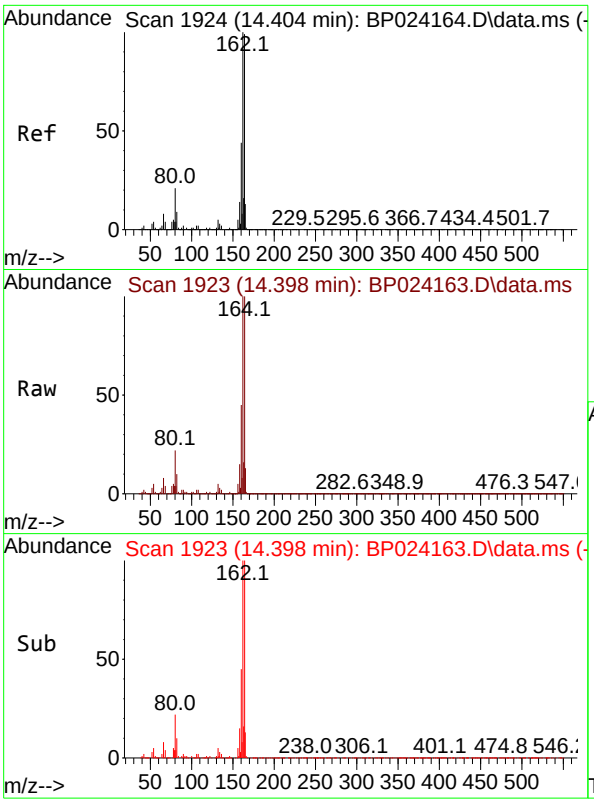


#38
1-Methylnaphthalene
Concen: 20.936 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



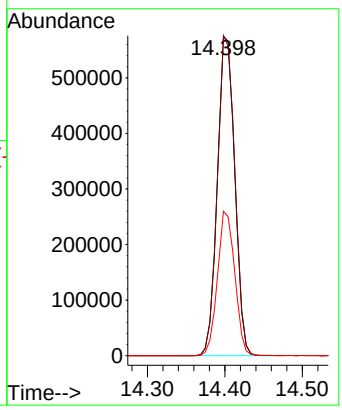


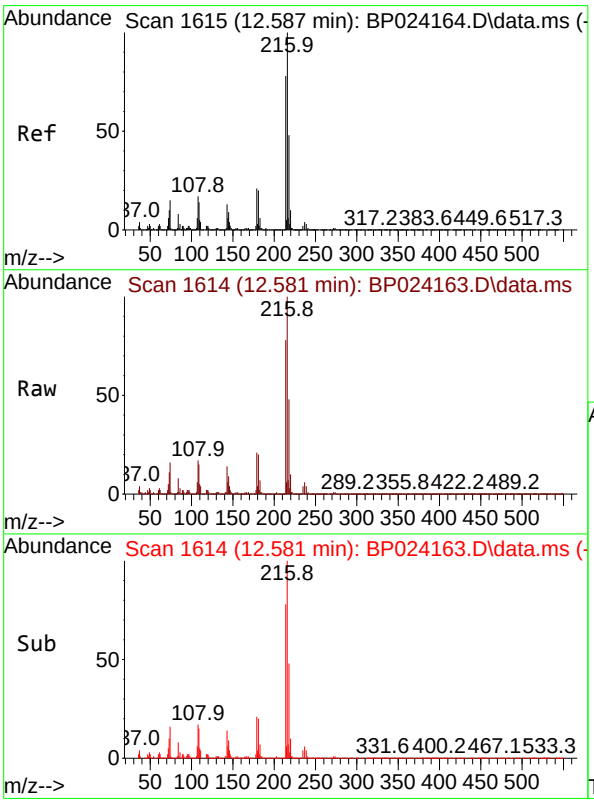
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

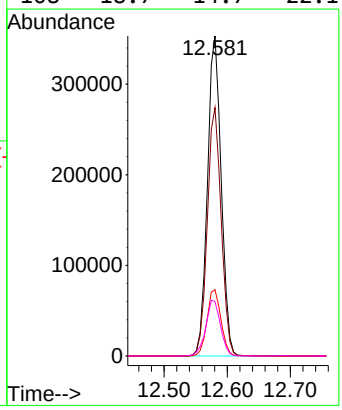


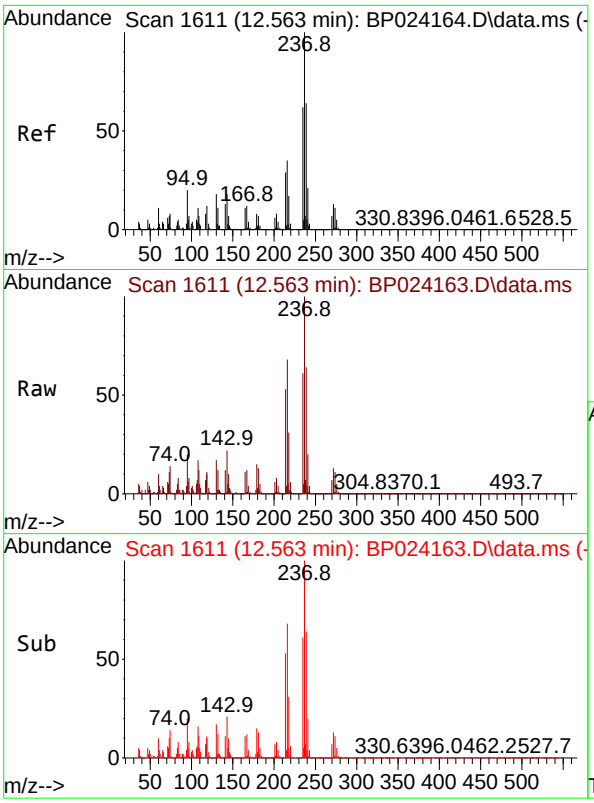


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.394 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



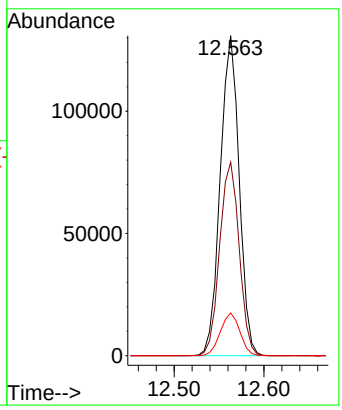


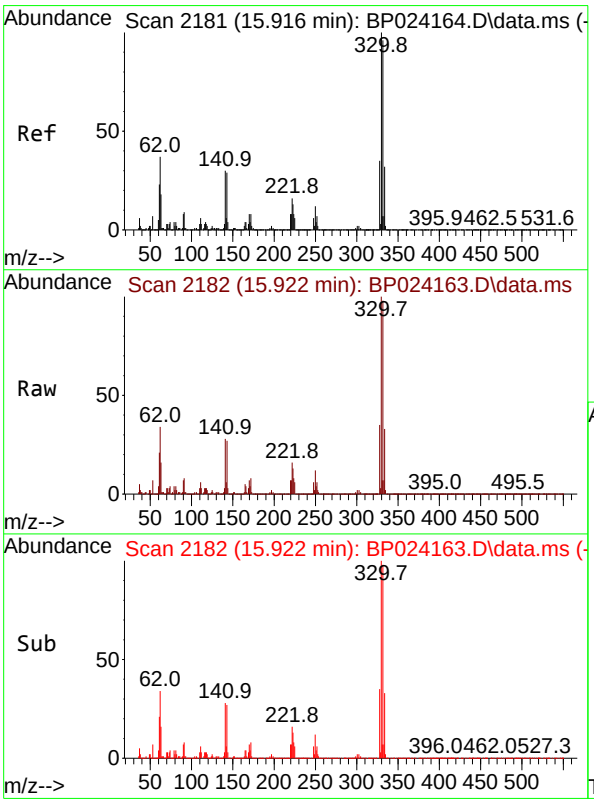
#41
Hexachlorocyclopentadiene
Concen: 18.697 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

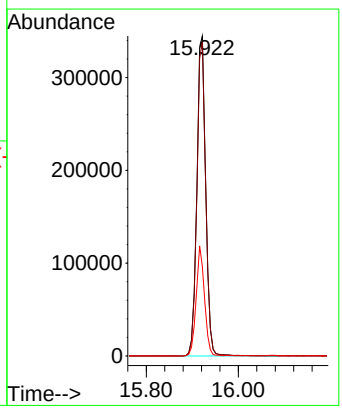


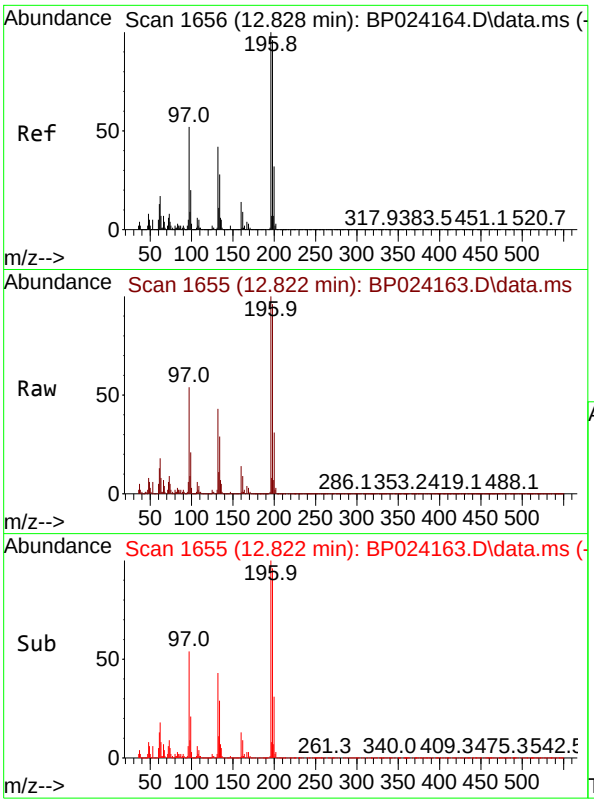


#42
2,4,6-Tribromophenol
Concen: 41.861 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



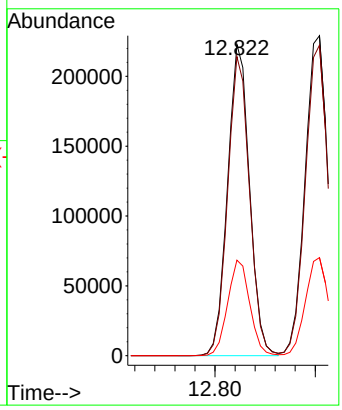


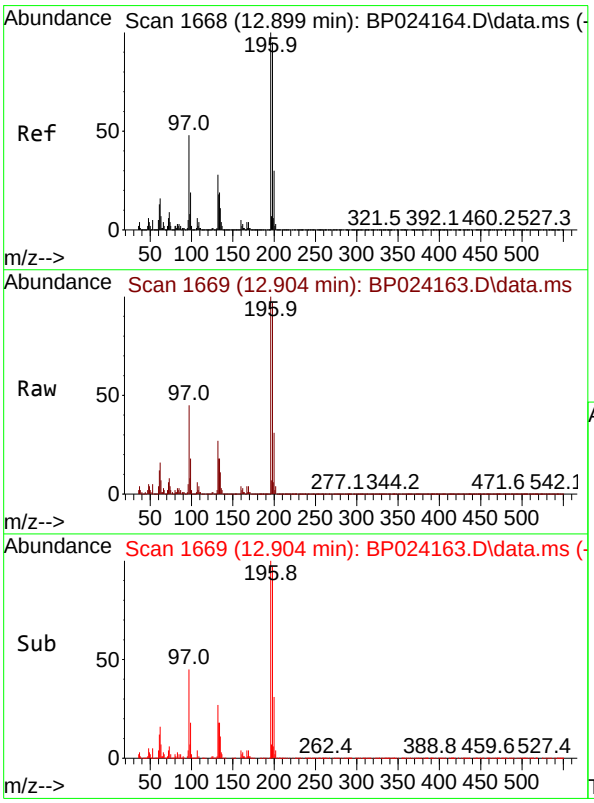
#43
2,4,6-Trichlorophenol
Concen: 20.216 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

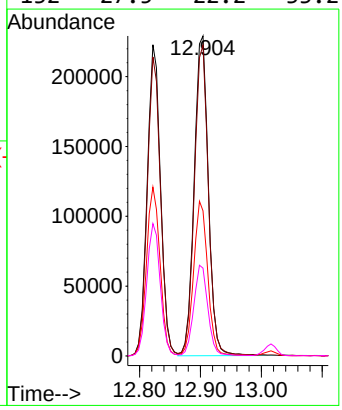


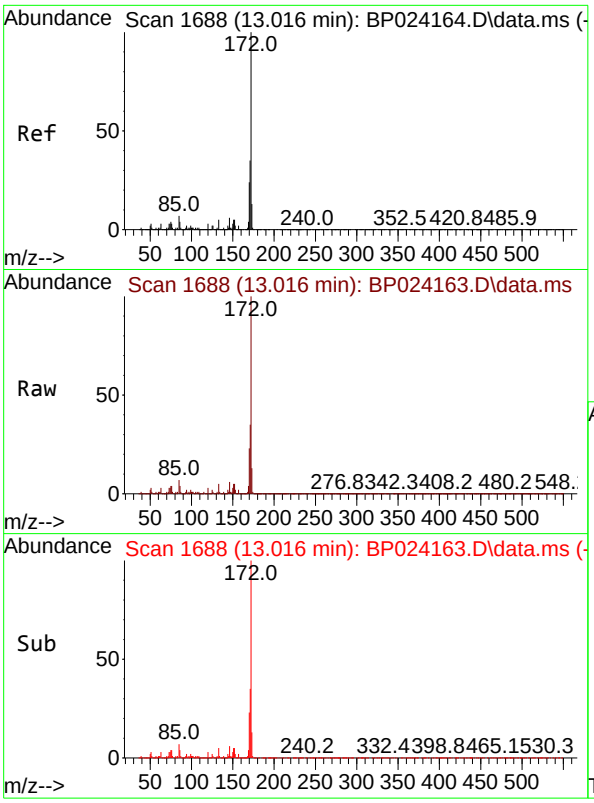


#44
2,4,5-Trichlorophenol
Concen: 20.184 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



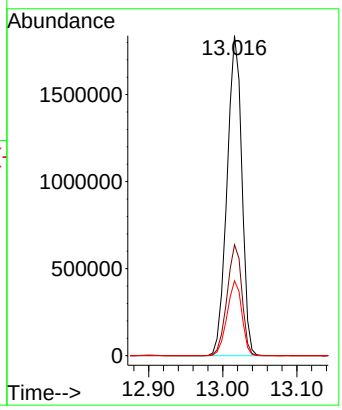


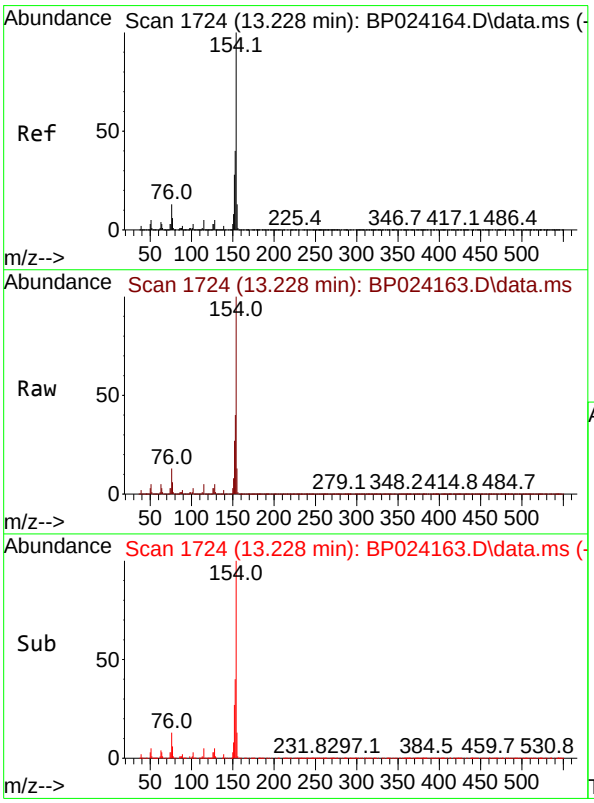
#45
2-Fluorobiphenyl
Concen: 39.695 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

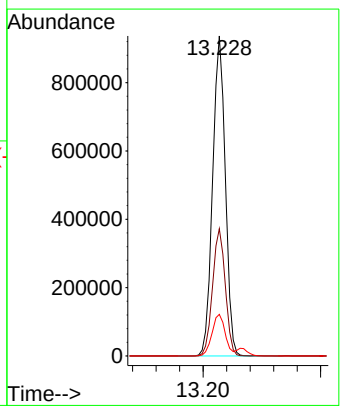


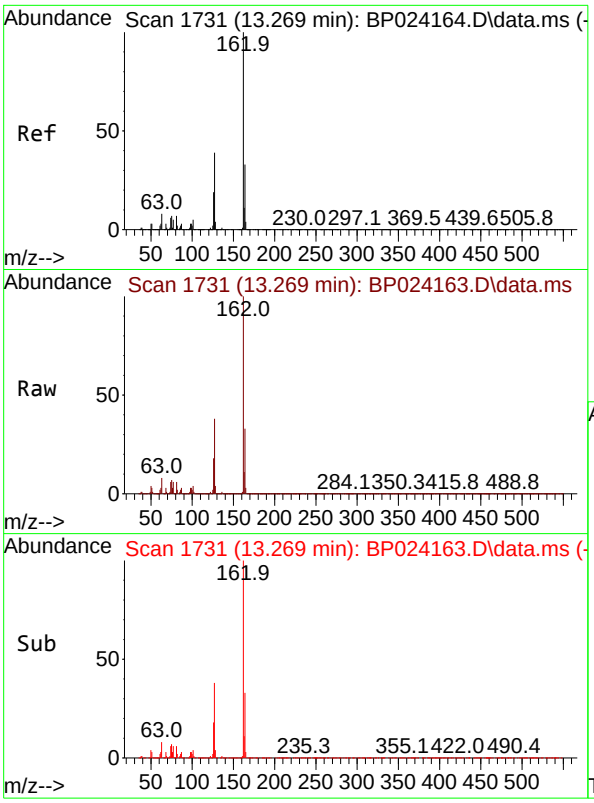


#46
1,1'-Biphenyl
Concen: 20.152 ng
RT: 13.228 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



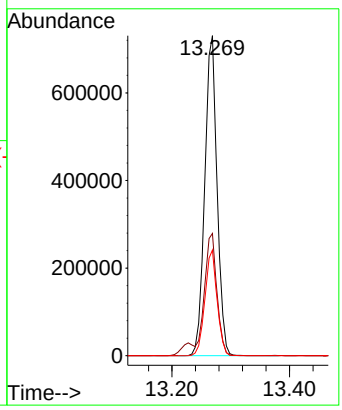


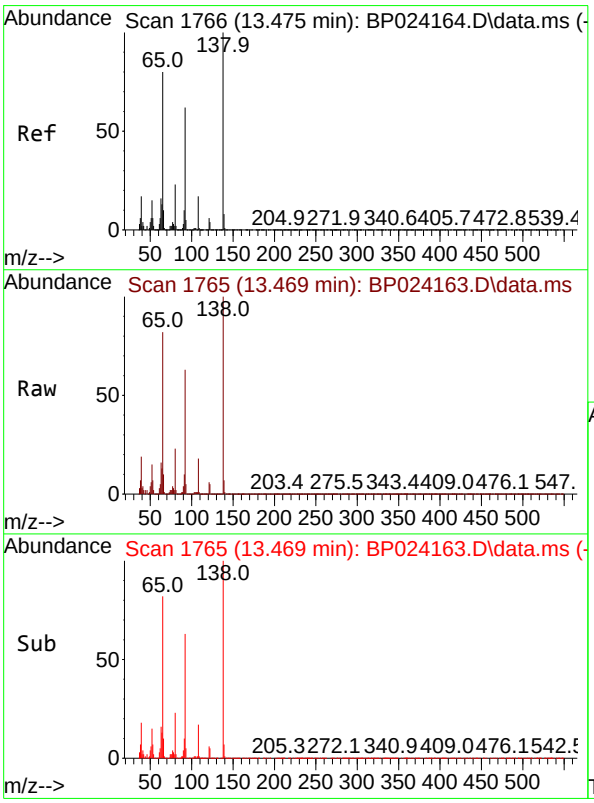
#47
2-Chloronaphthalene
Concen: 20.083 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

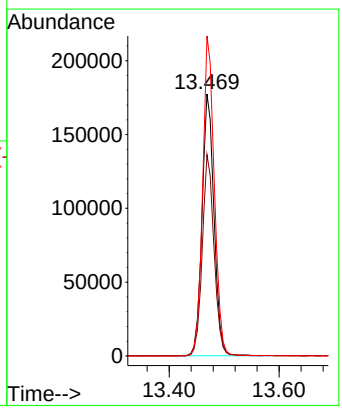


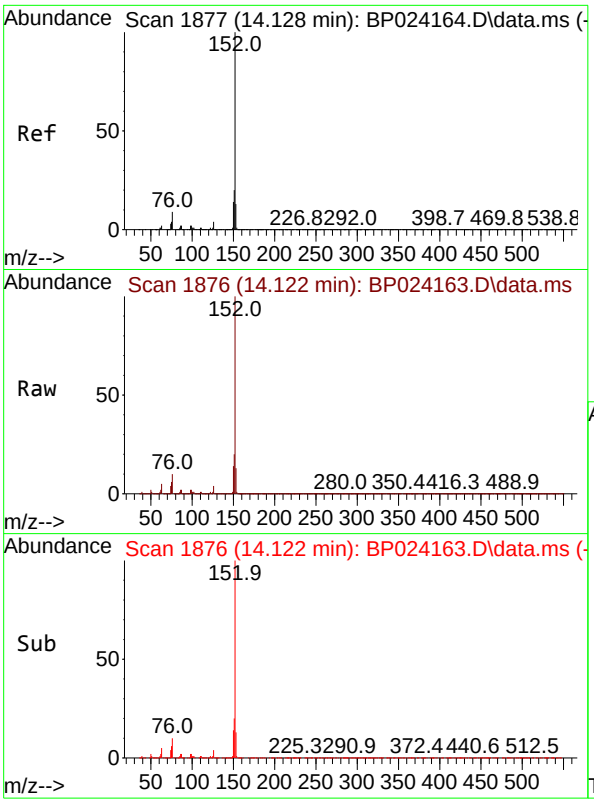


#48
2-Nitroaniline
Concen: 21.595 ng
RT: 13.469 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



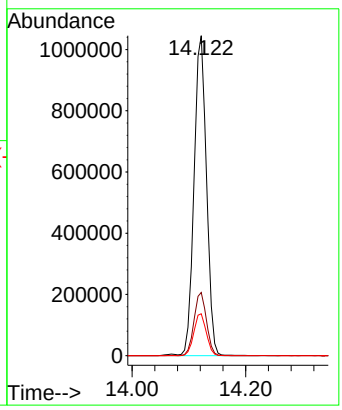


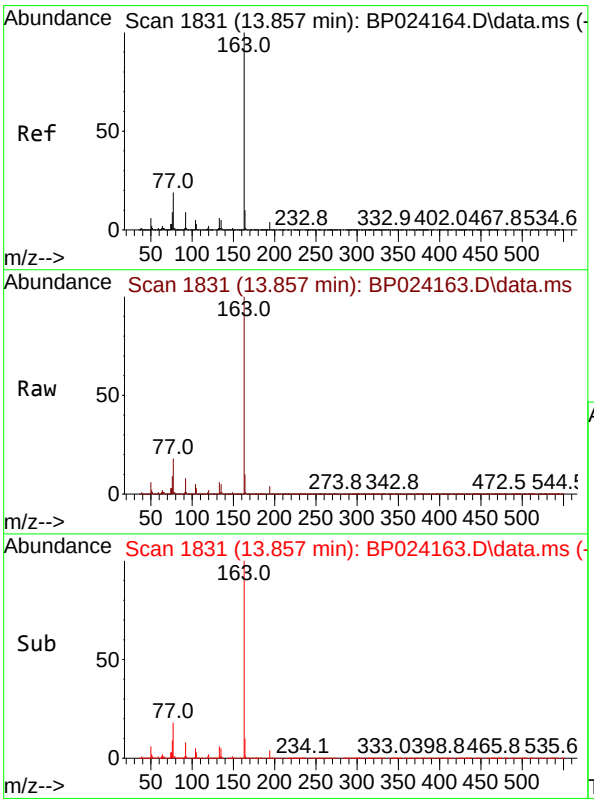
#49
Acenaphthylene
Concen: 20.517 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

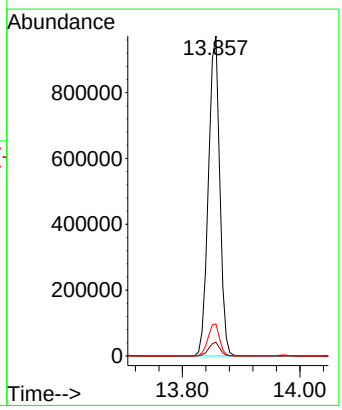


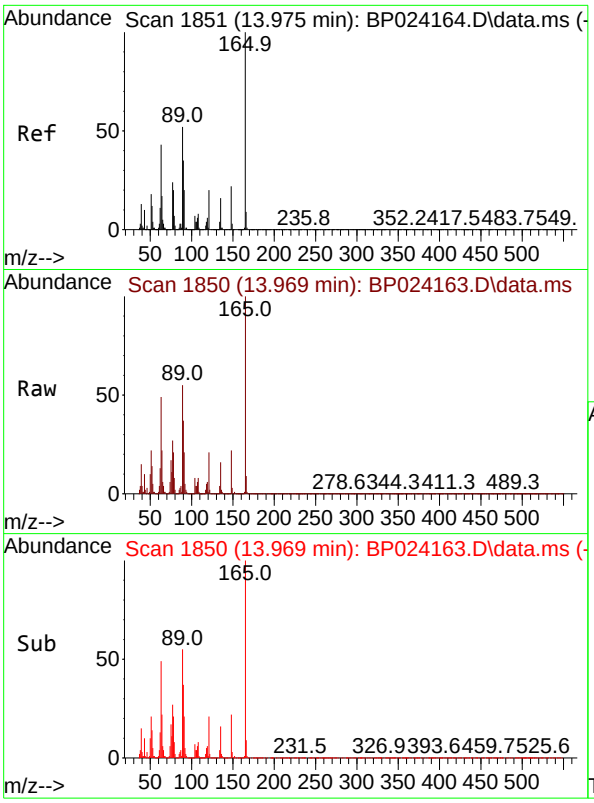


#50
Dimethylphthalate
Concen: 20.677 ng
RT: 13.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



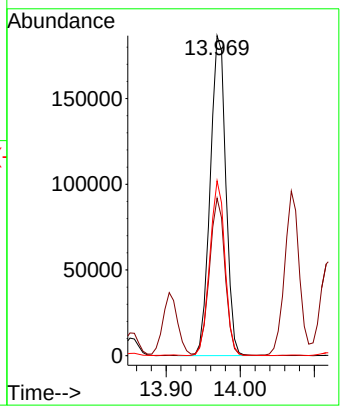


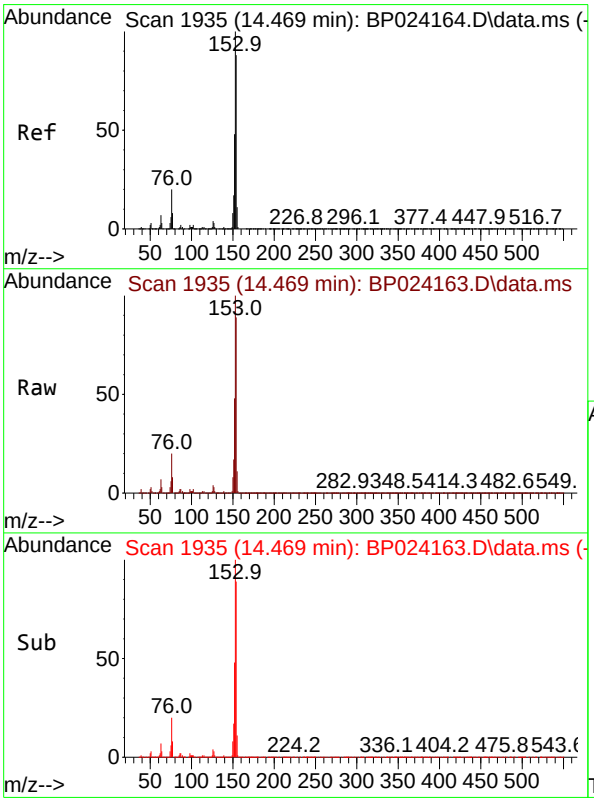
#51
2,6-Dinitrotoluene
Concen: 21.122 ng
RT: 13.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

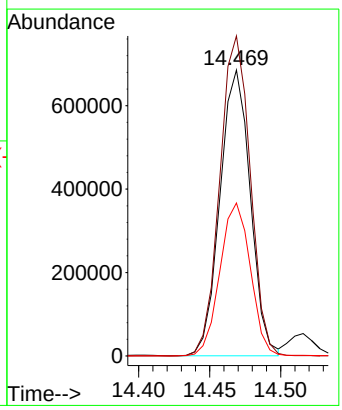


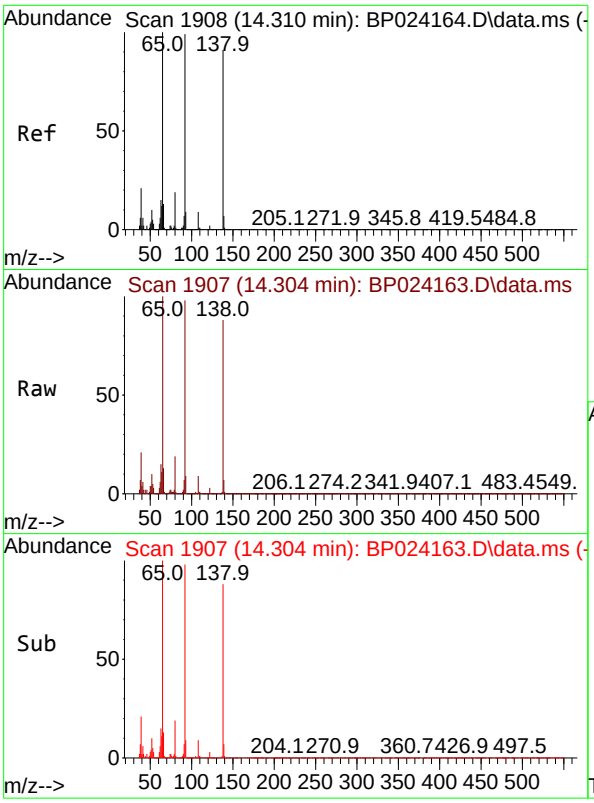


#52
Acenaphthene
Concen: 20.379 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



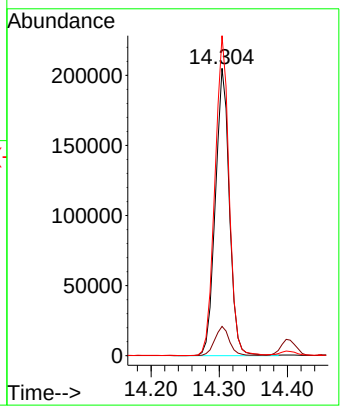


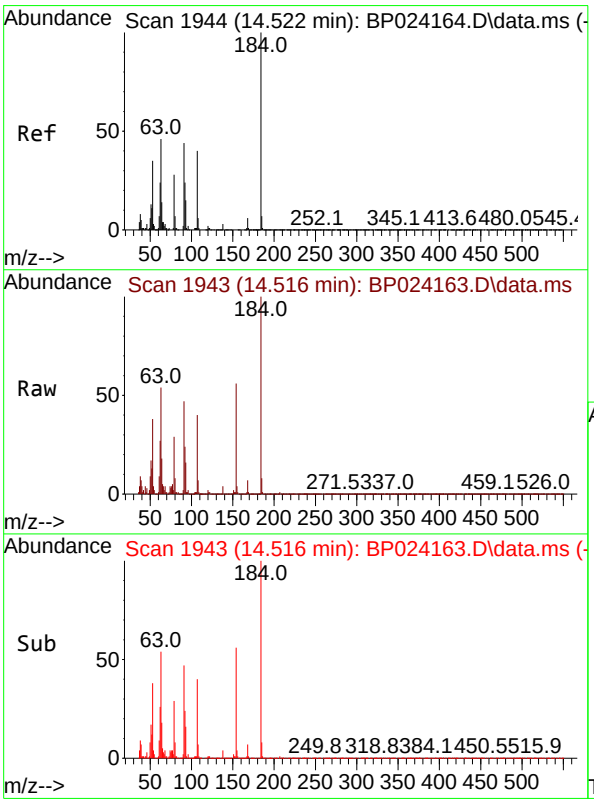
#53
3-Nitroaniline
Concen: 21.397 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

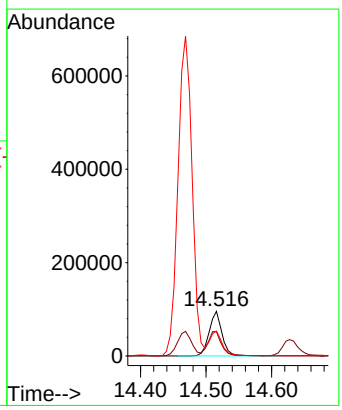


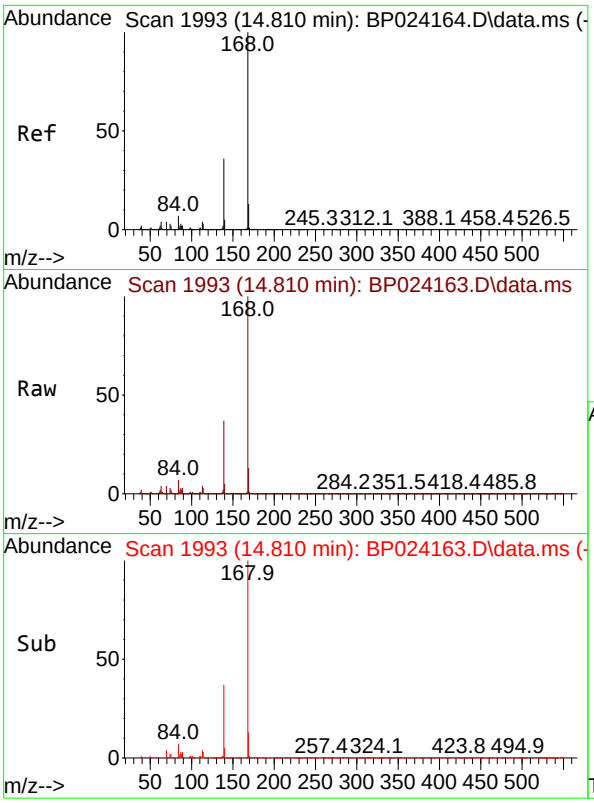


#54
2,4-Dinitrophenol
Concen: 19.074 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



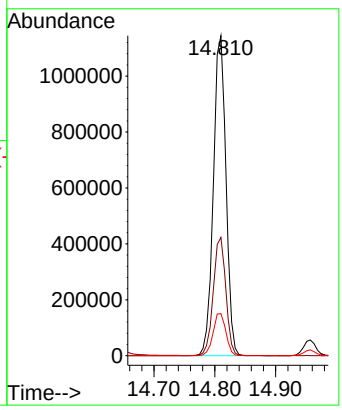


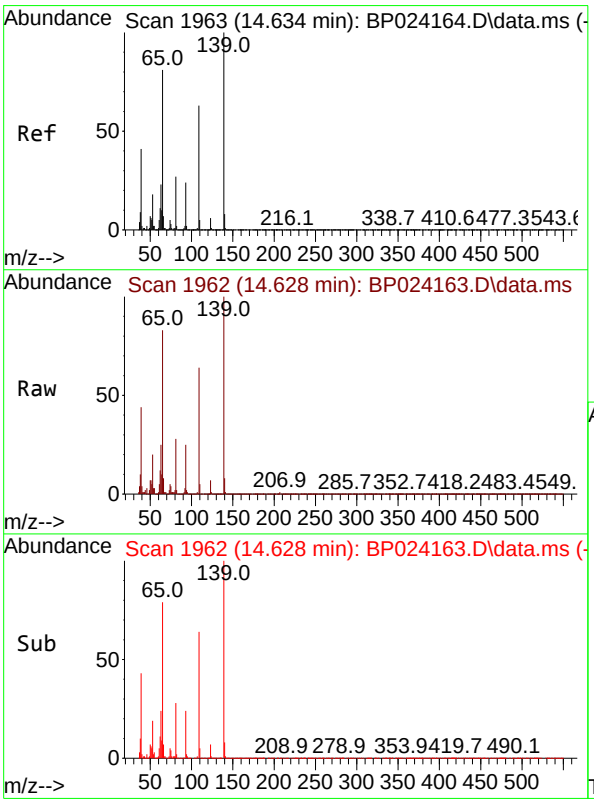
#55
Dibenzofuran
Concen: 20.264 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

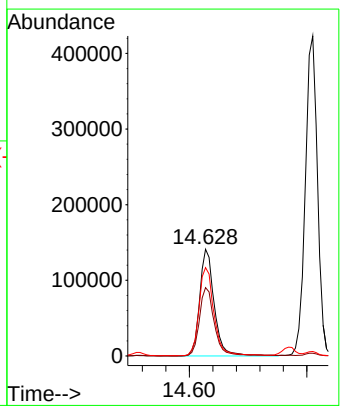


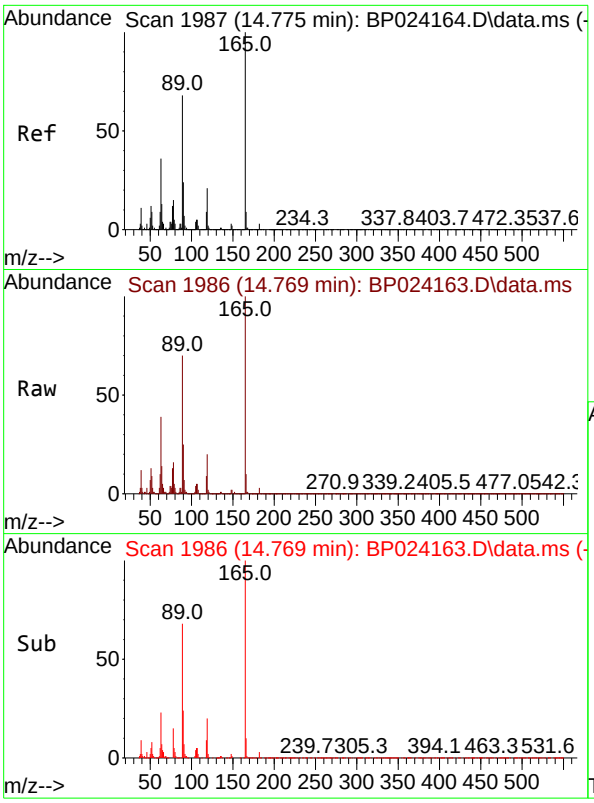


#56
4-Nitrophenol
Concen: 20.466 ng
RT: 14.628 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



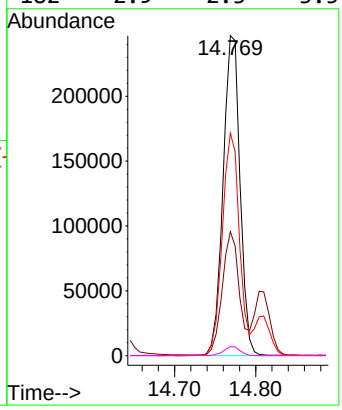


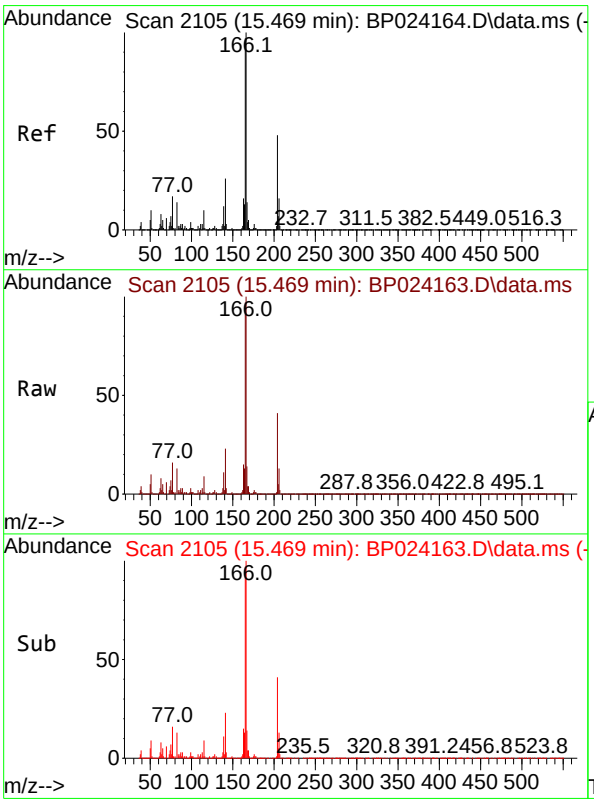
#57
2,4-Dinitrotoluene
Concen: 21.433 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

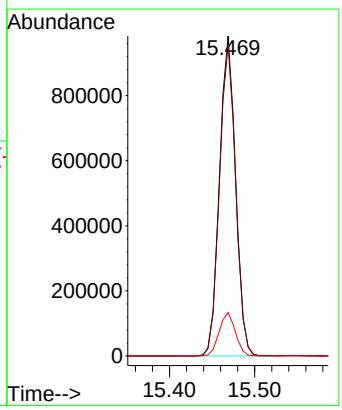


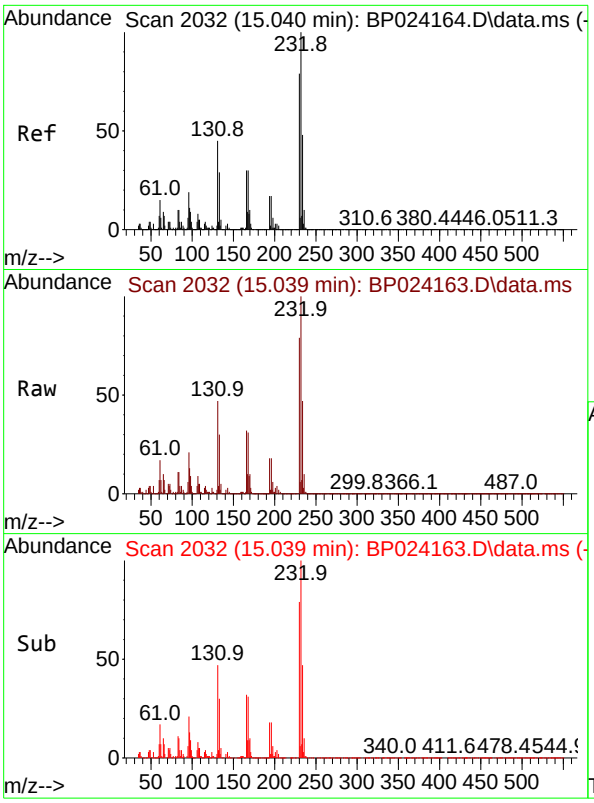


#58
Fluorene
Concen: 20.392 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



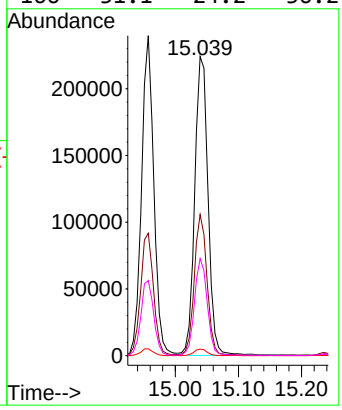


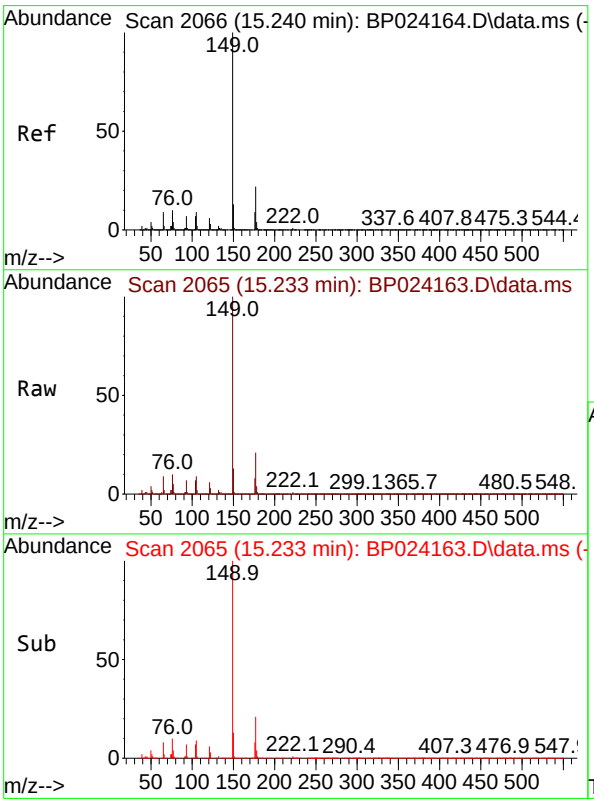
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.514 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

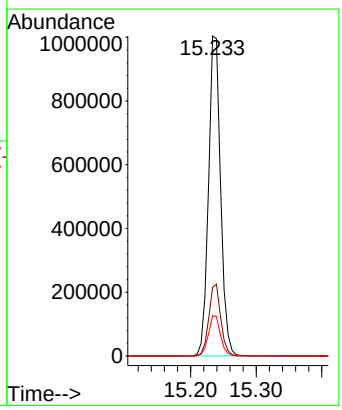


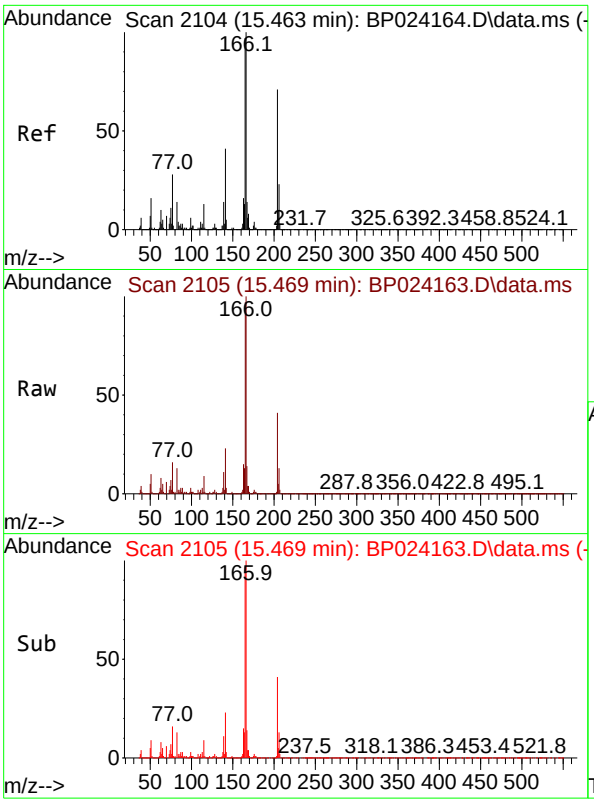


#60
Diethylphthalate
Concen: 20.524 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



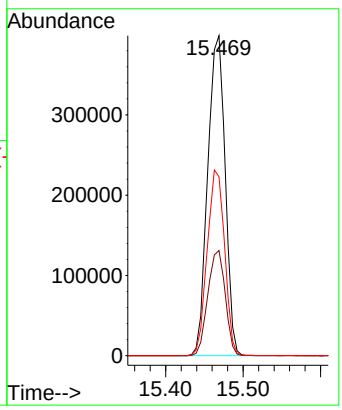


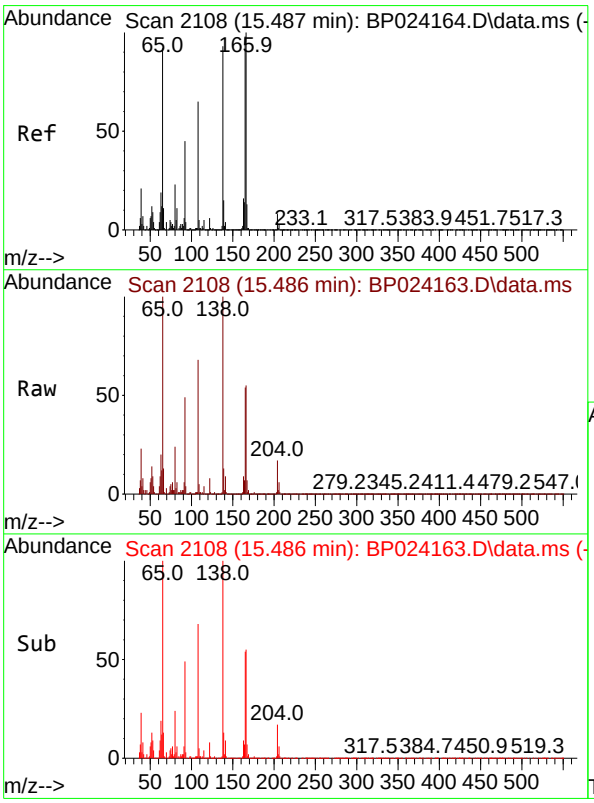
#61
4-Chlorophenyl-phenylether
Concen: 19.996 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

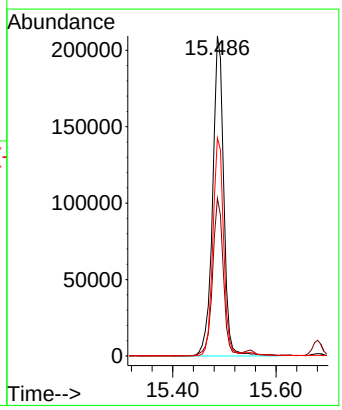


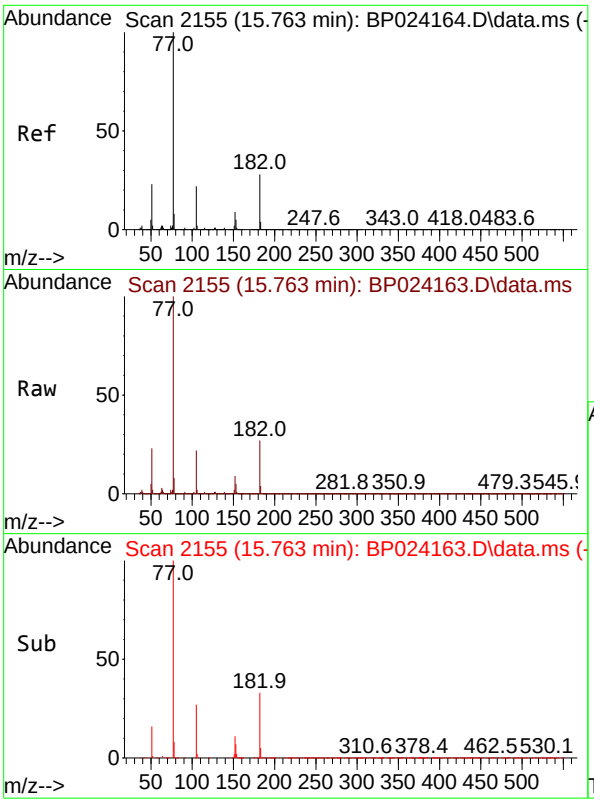


#62
4-Nitroaniline
Concen: 21.841 ng
RT: 15.486 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



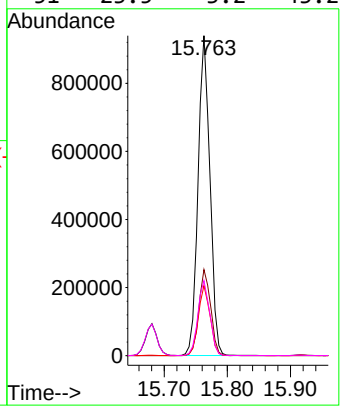


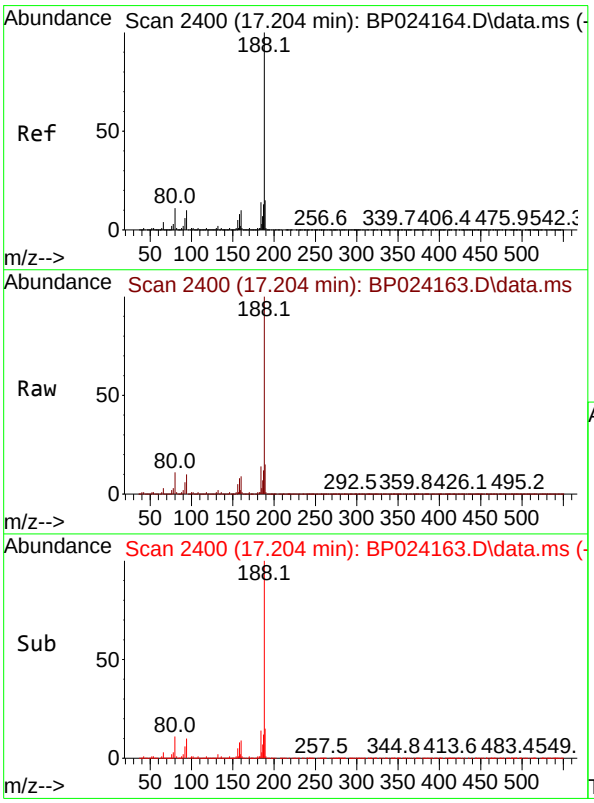
#63
Azobenzene
Concen: 20.864 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

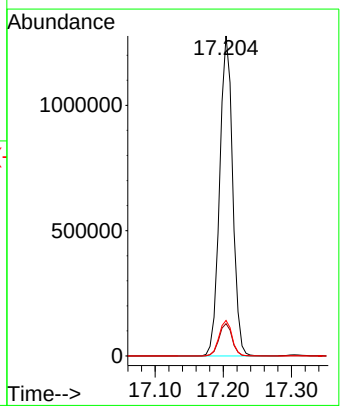


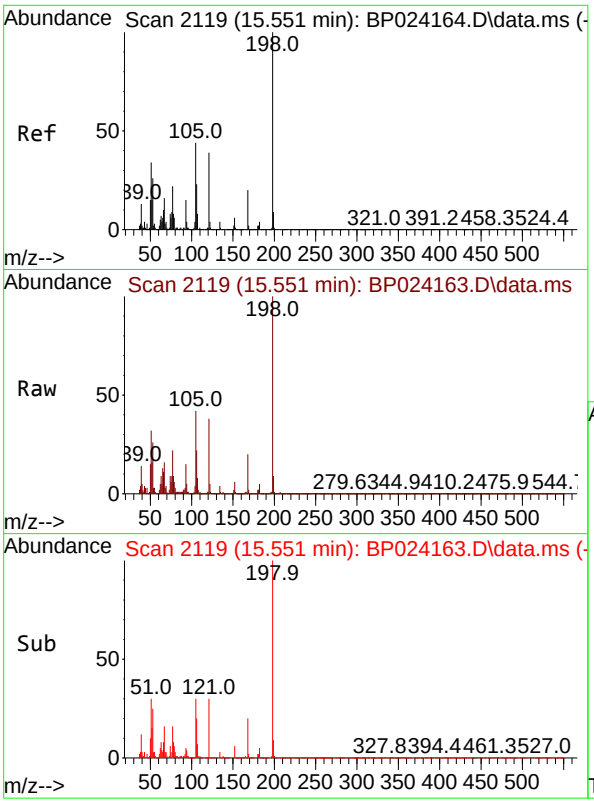


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



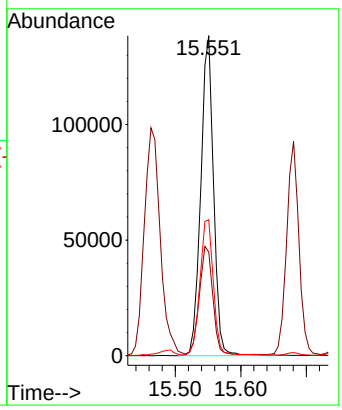


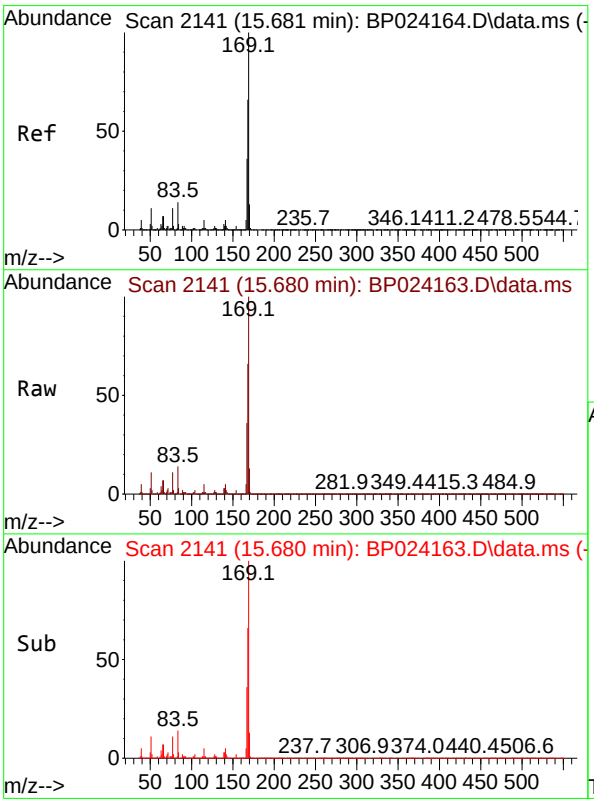
#65
4,6-Dinitro-2-methylphenol
Concen: 19.162 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

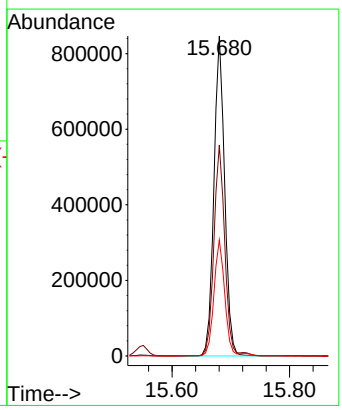


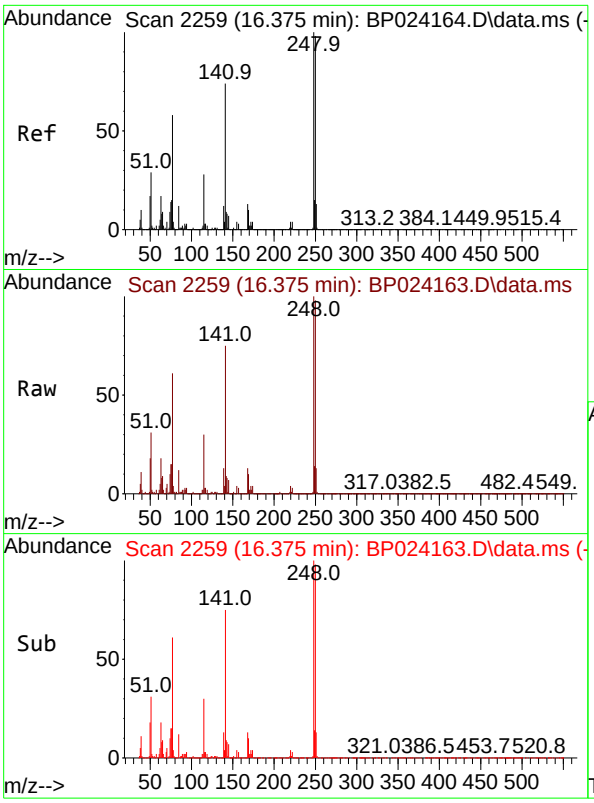


#66
n-Nitrosodiphenylamine
Concen: 20.181 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



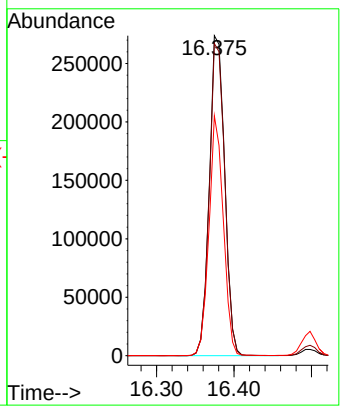


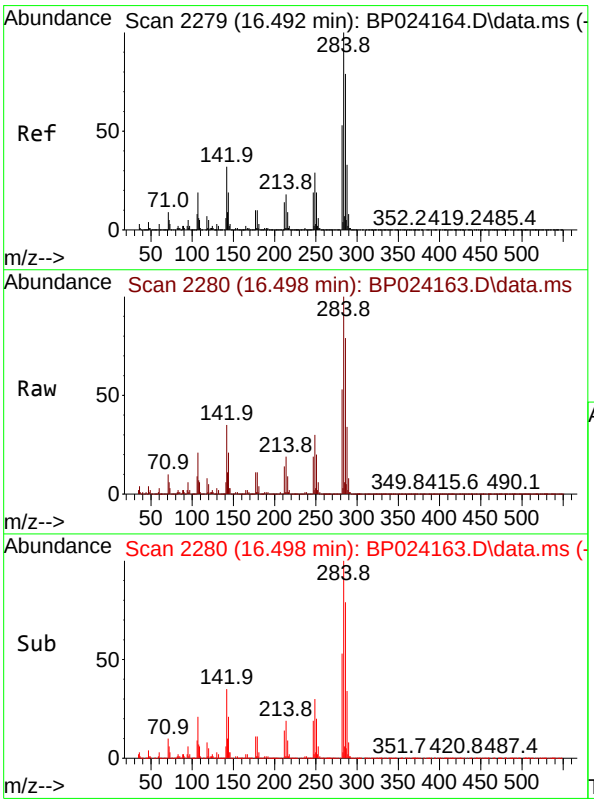
#67
4-Bromophenyl-phenylether
Concen: 19.797 ng
RT: 16.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

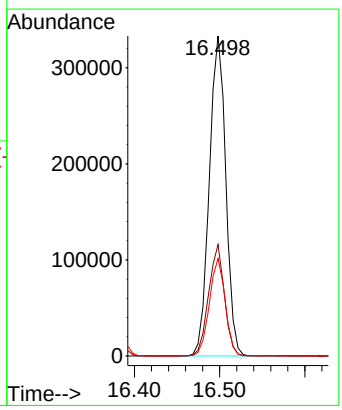


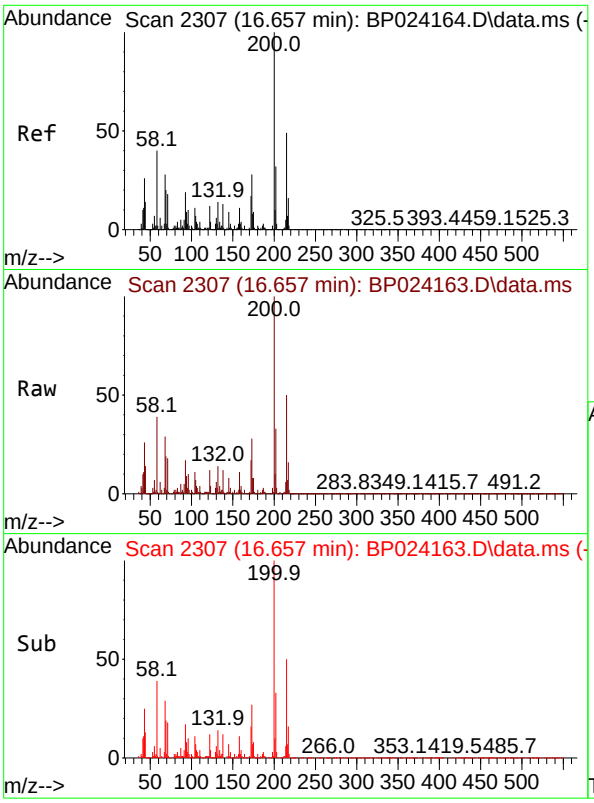


#68
Hexachlorobenzene
Concen: 19.921 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



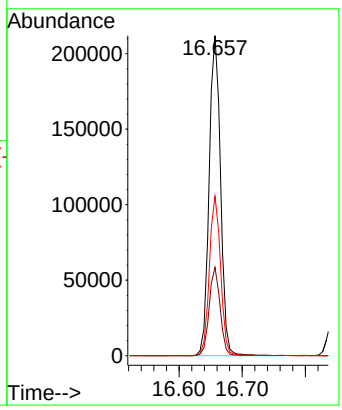


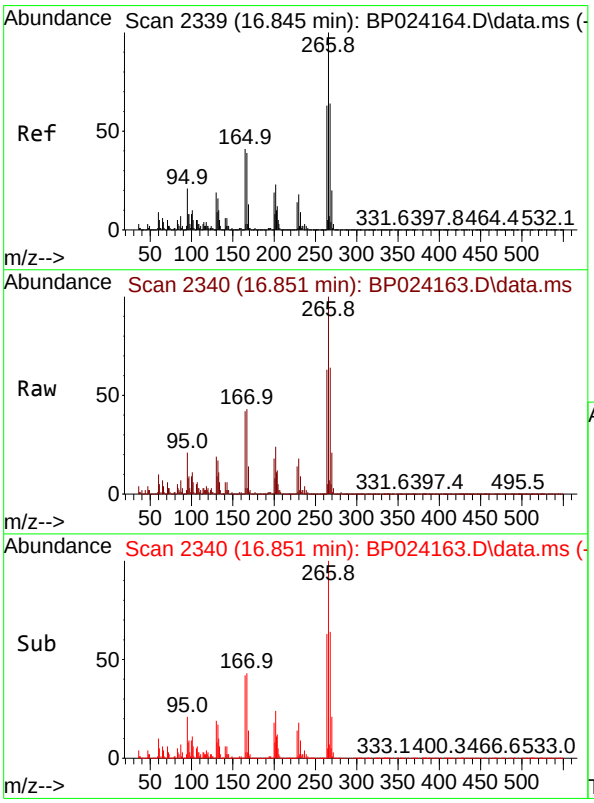
#69
Atrazine
Concen: 19.568 ng
RT: 16.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

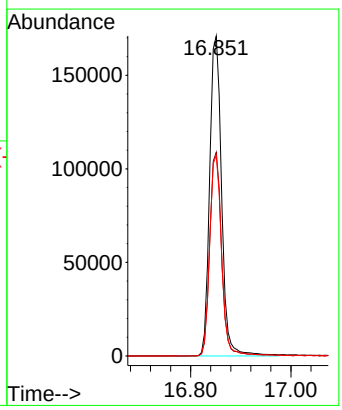


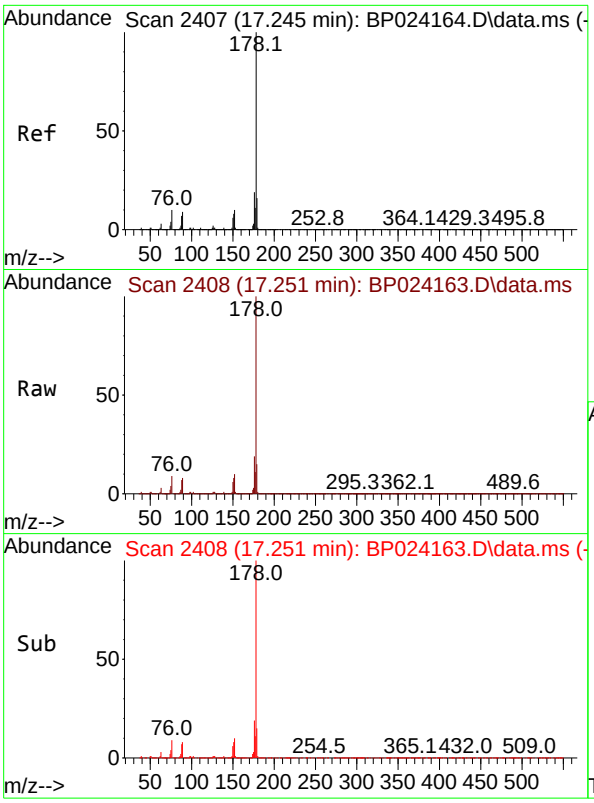


#70
Pentachlorophenol
Concen: 19.373 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



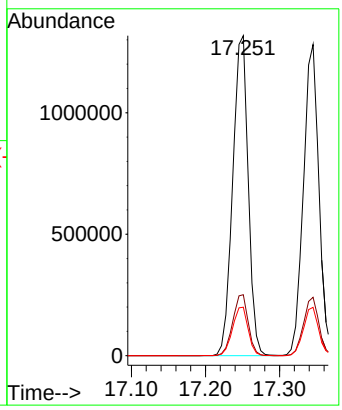


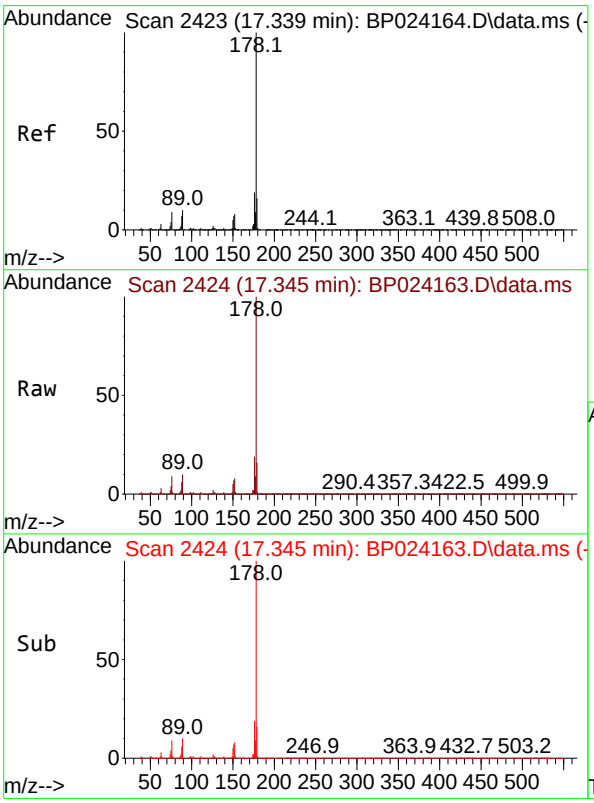
#71
Phenanthrene
Concen: 19.965 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

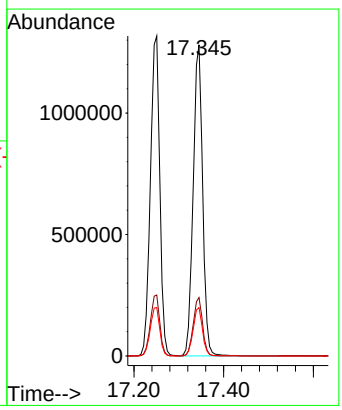


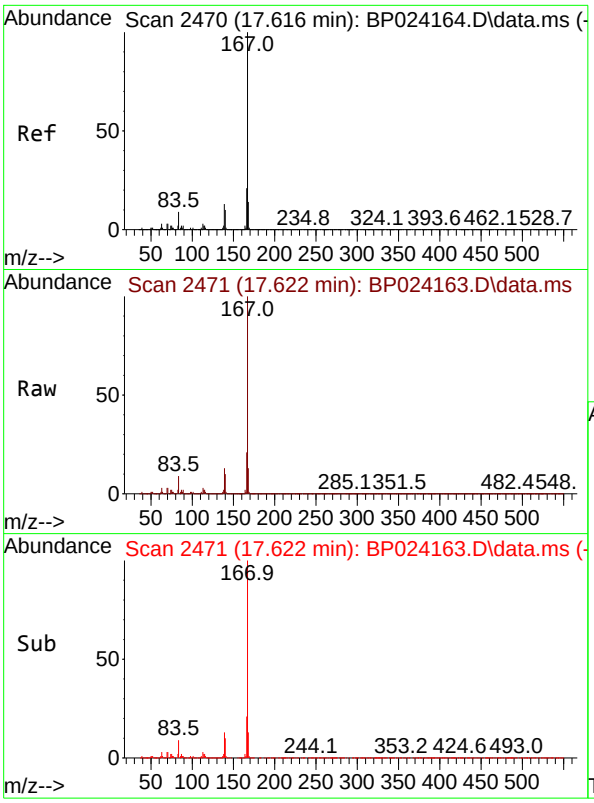


#72
Anthracene
Concen: 20.386 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



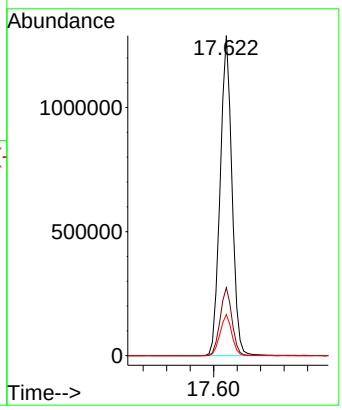


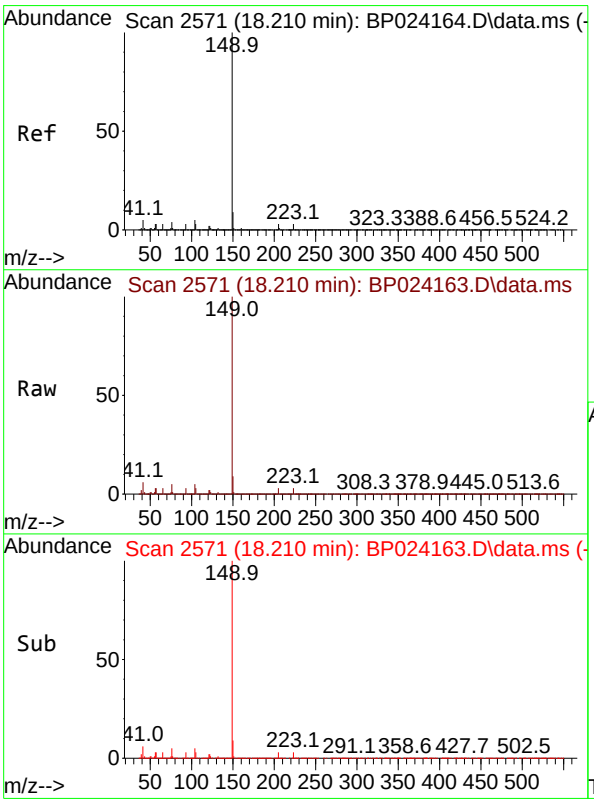
#73
Carbazole
Concen: 20.589 ng
RT: 17.622 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

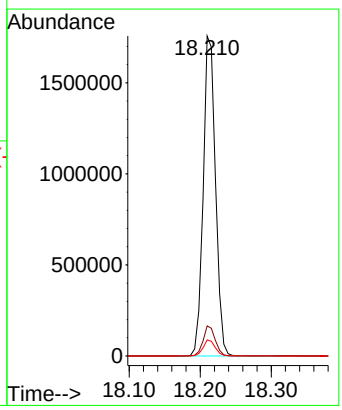


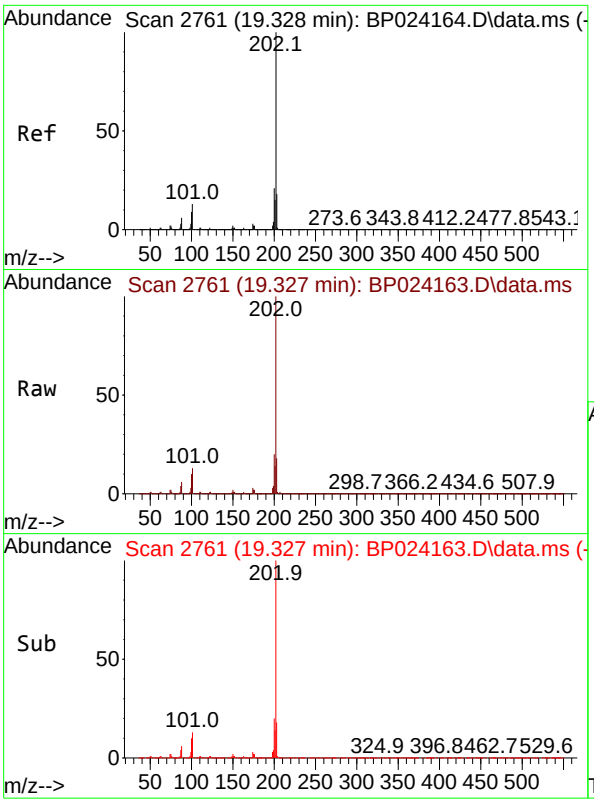


#74
Di-n-butylphthalate
Concen: 20.765 ng
RT: 18.210 min Scan# 2571
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



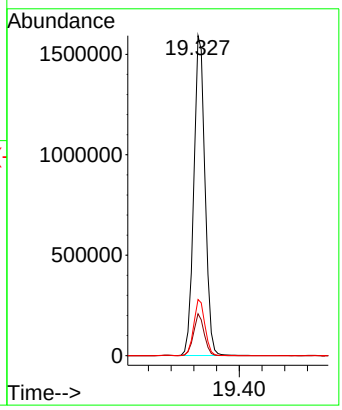


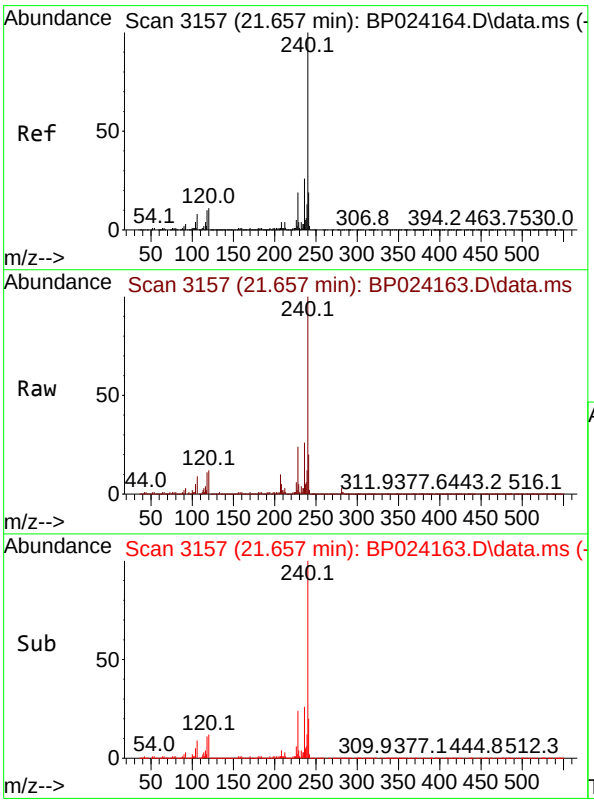
#75
Fluoranthene
Concen: 20.186 ng
RT: 19.327 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

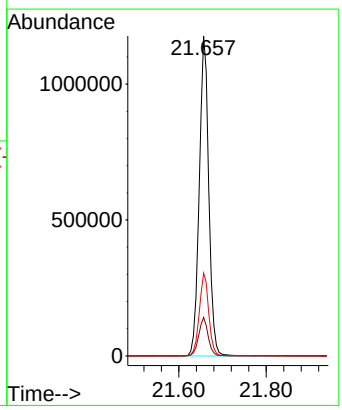


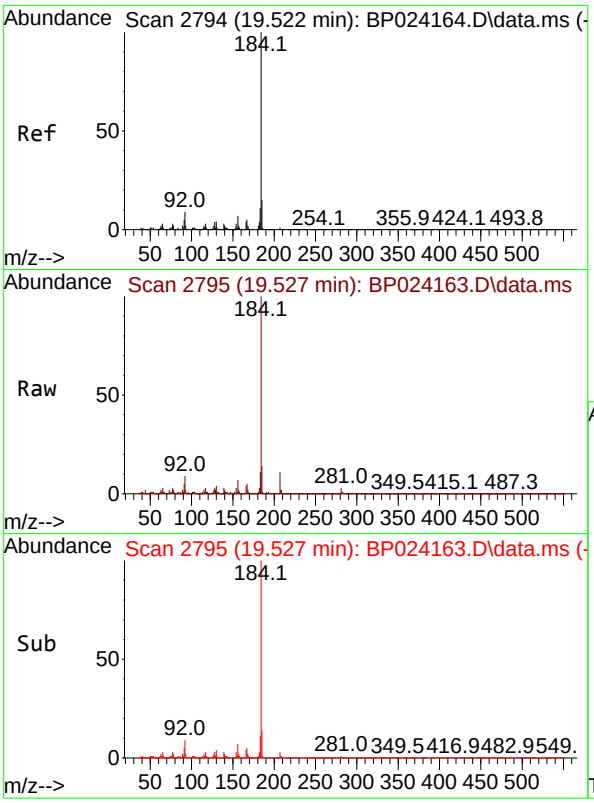


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



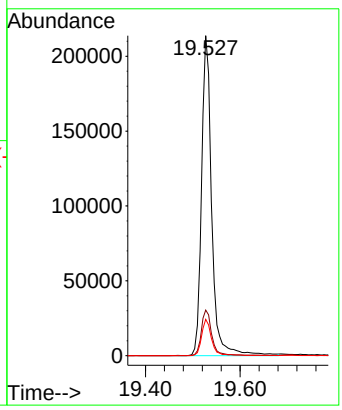


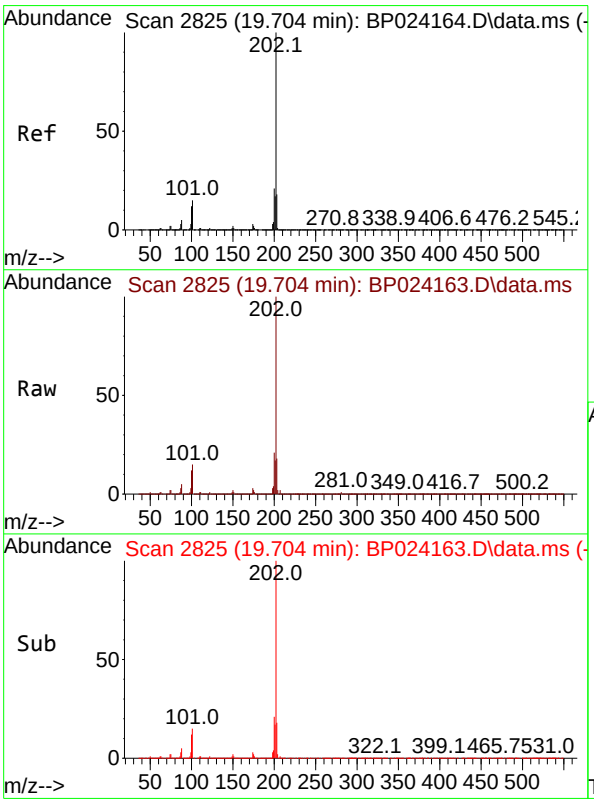
#77
Benzidine
Concen: 14.642 ng
RT: 19.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

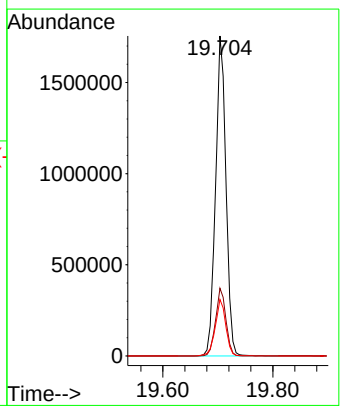


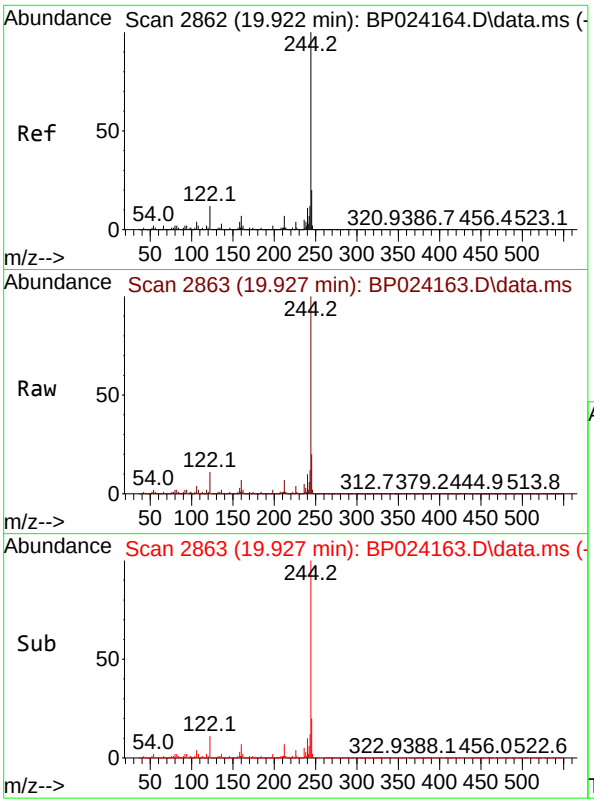


#78
Pyrene
Concen: 20.454 ng
RT: 19.704 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



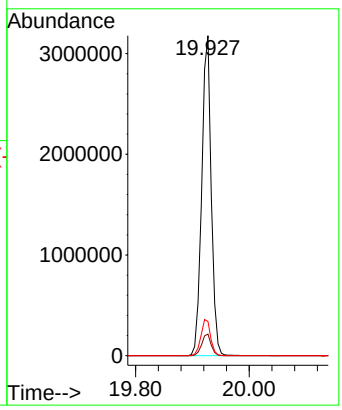


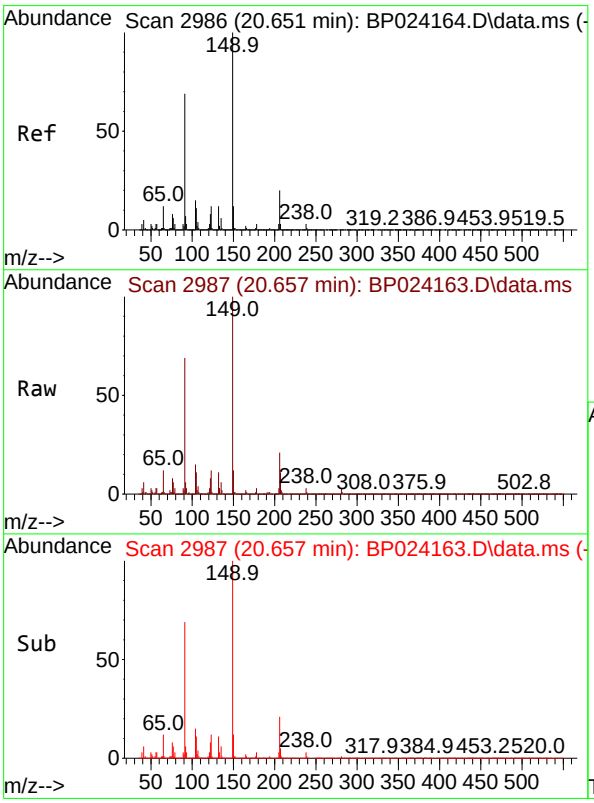
#79
Terphenyl-d14
Concen: 40.898 ng
RT: 19.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

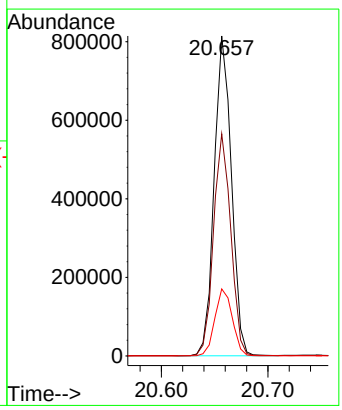


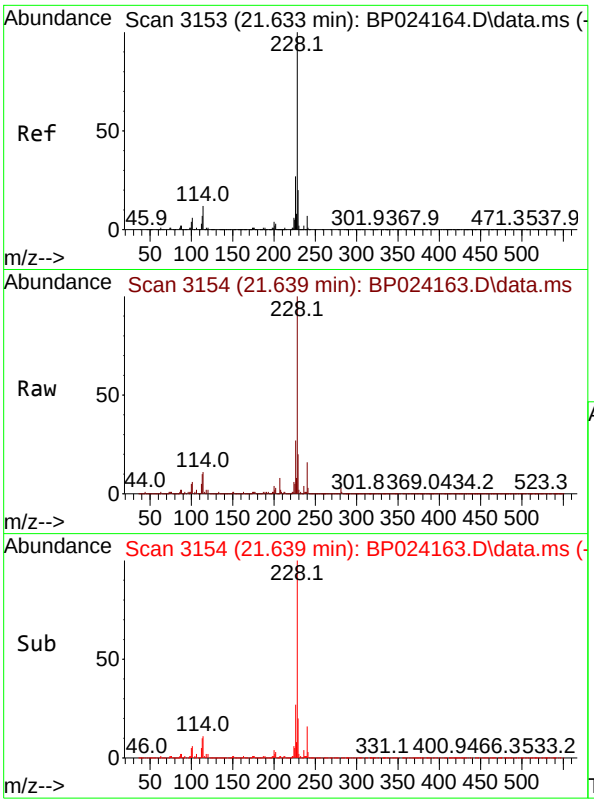


#80
Butylbenzylphthalate
Concen: 21.082 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



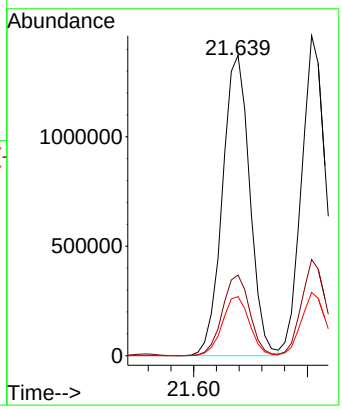


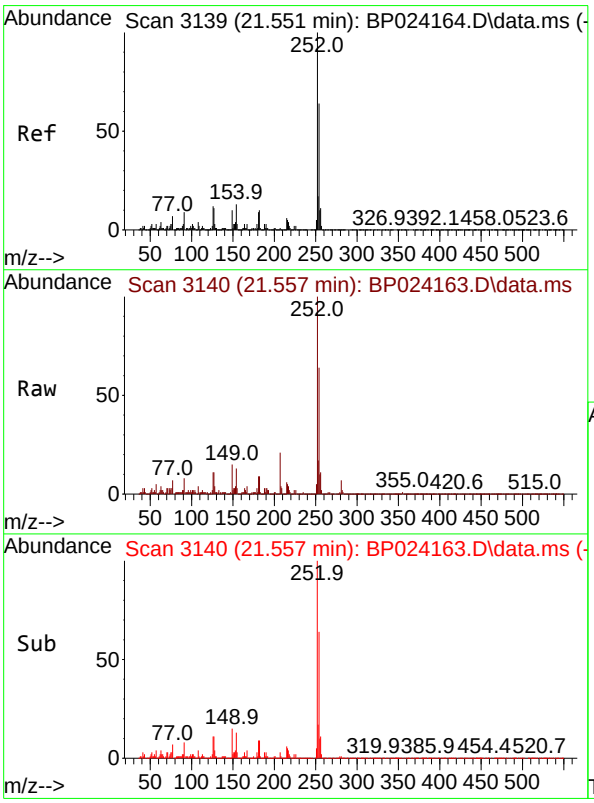
#81
Benzo(a)anthracene
Concen: 20.583 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

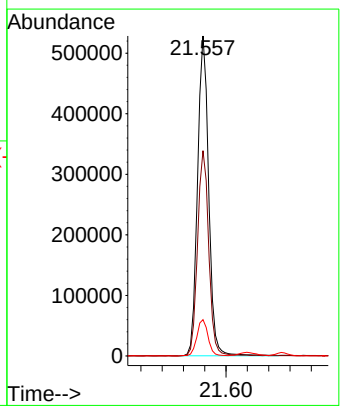


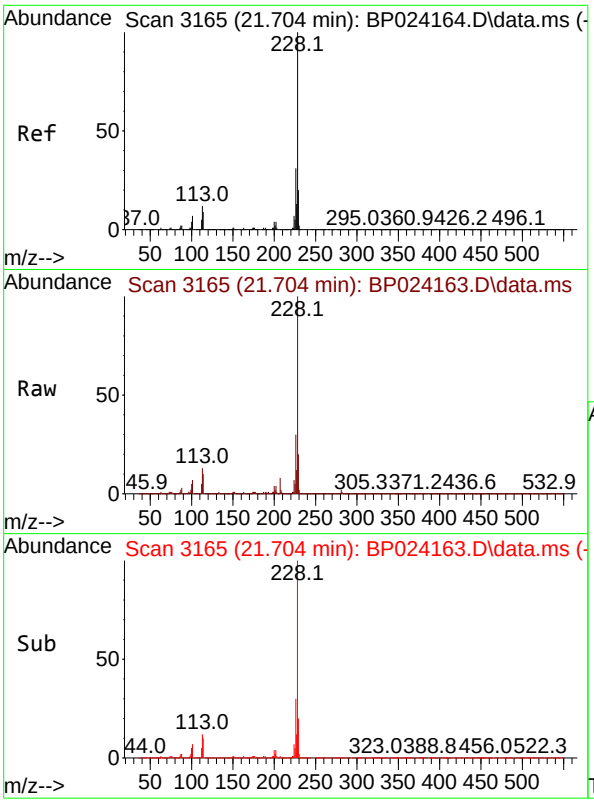


#82
3,3'-Dichlorobenzidine
Concen: 21.882 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



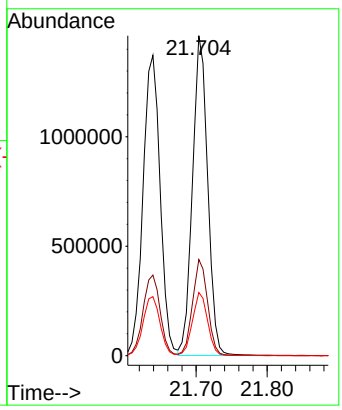


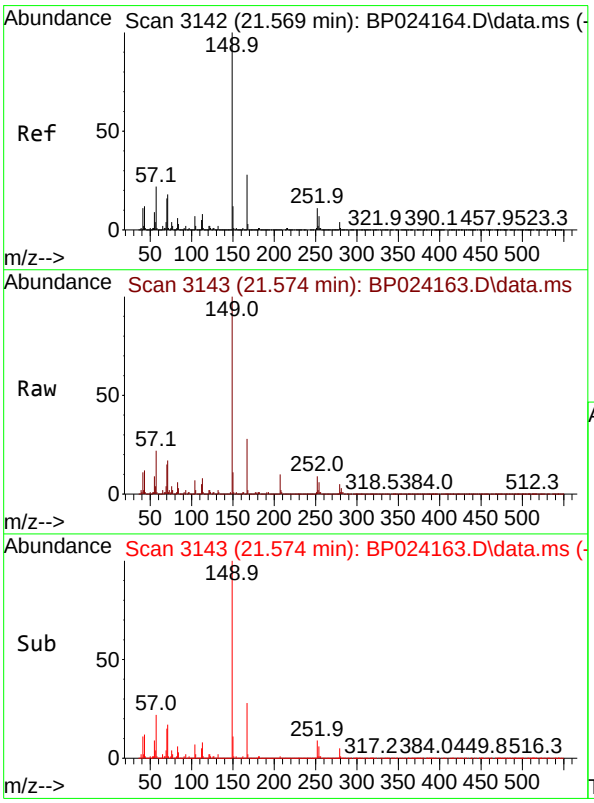
#83
Chrysene
Concen: 20.250 ng
RT: 21.704 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

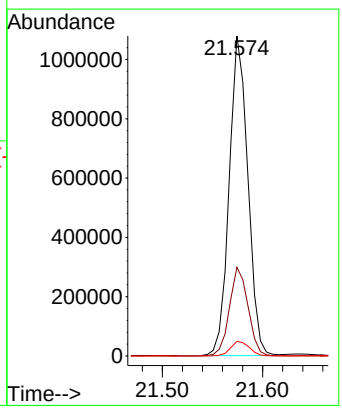


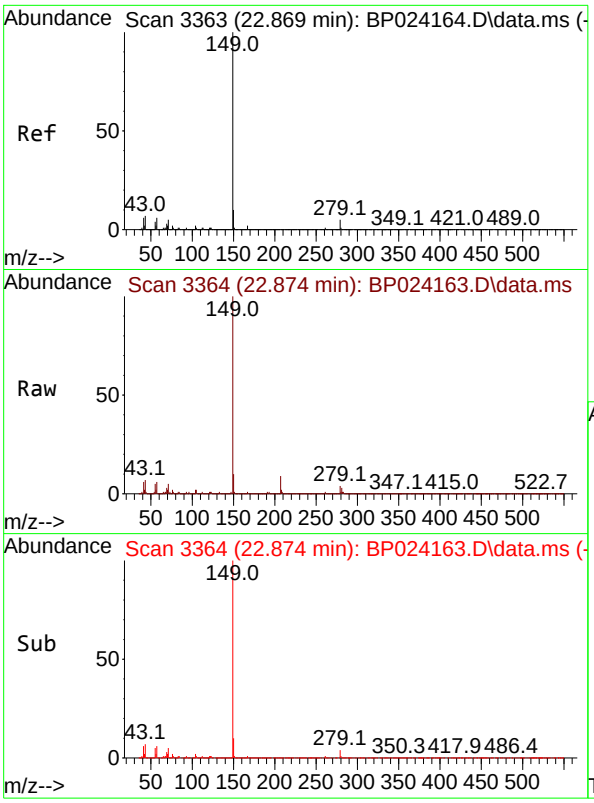


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.249 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



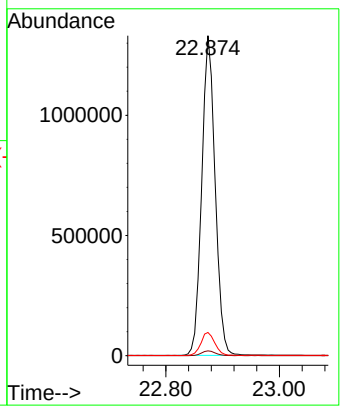


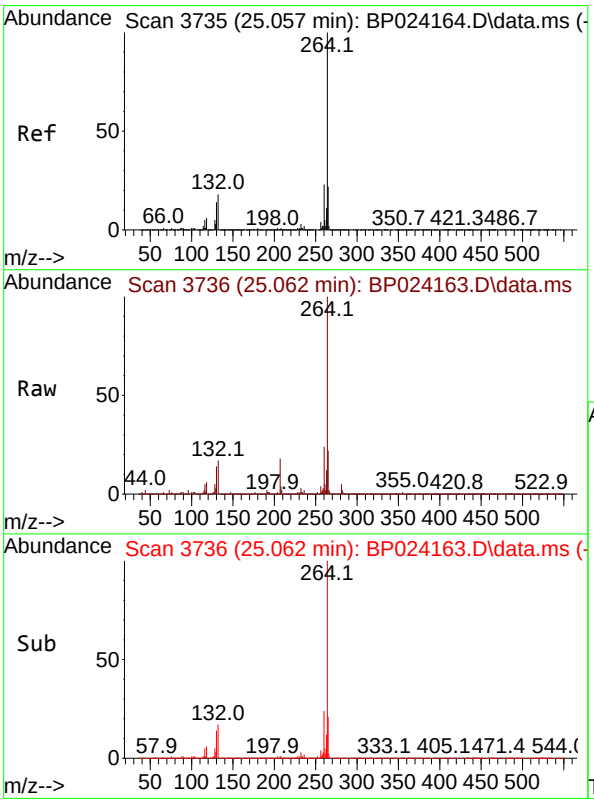
#85
Di-n-octyl phthalate
Concen: 20.752 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

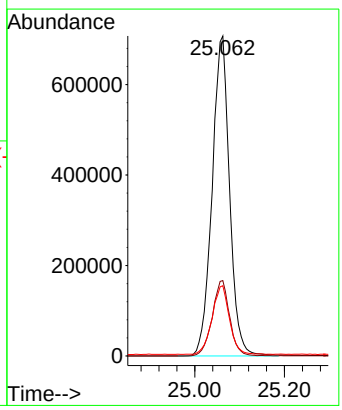


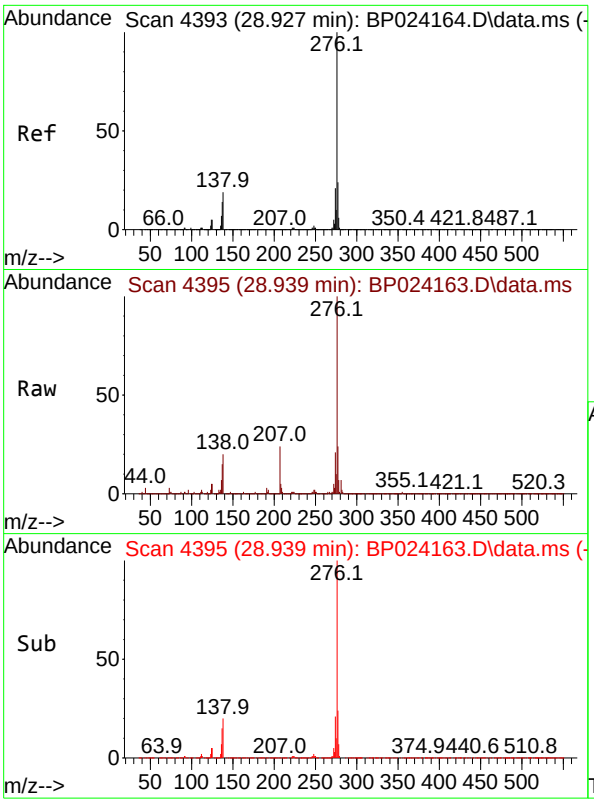


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.062 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



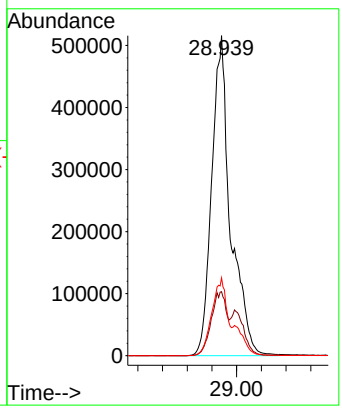


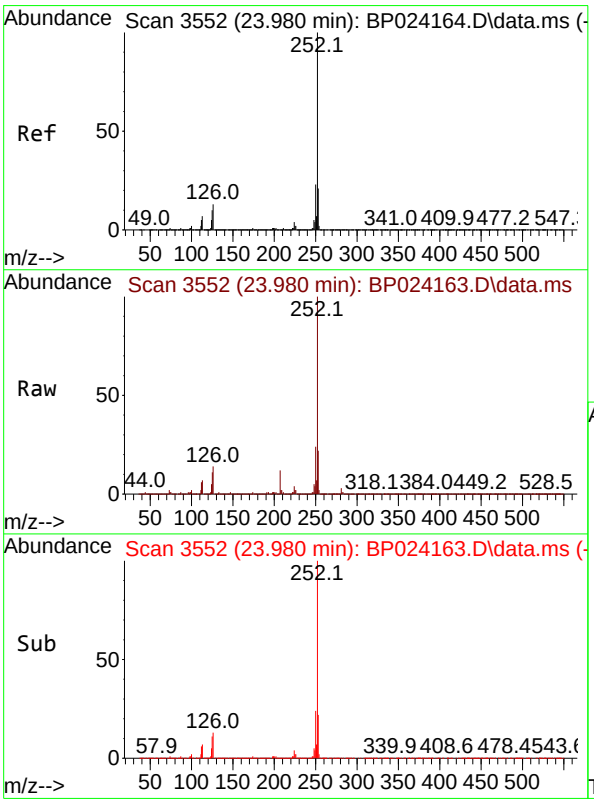
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.980 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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#

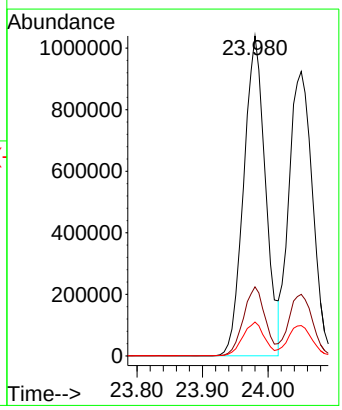


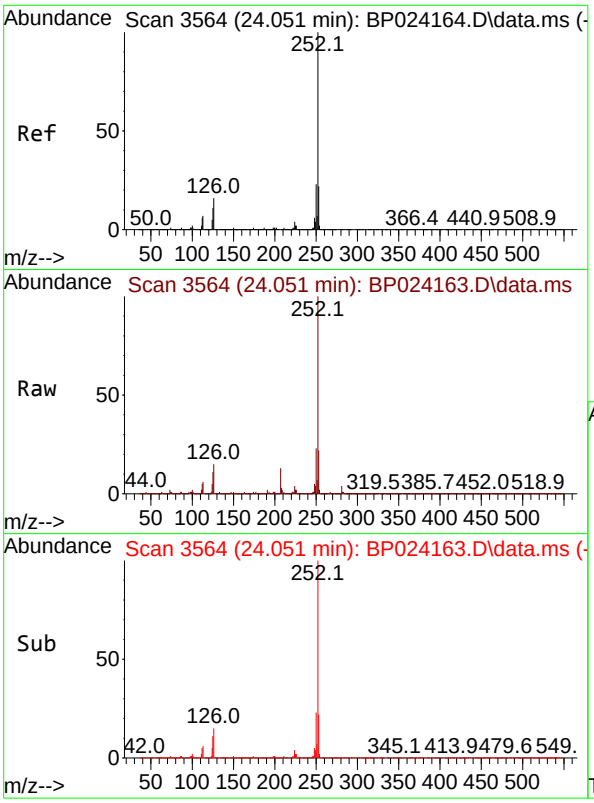


#88
Benzo(b)fluoranthene
Concen: 19.806 ng
RT: 23.980 min Scan# 3552
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



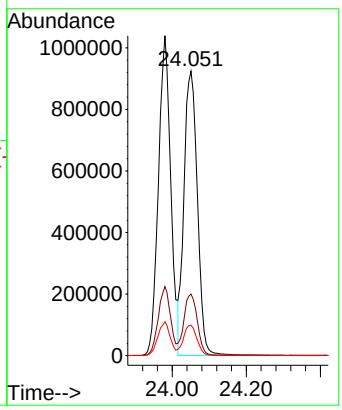


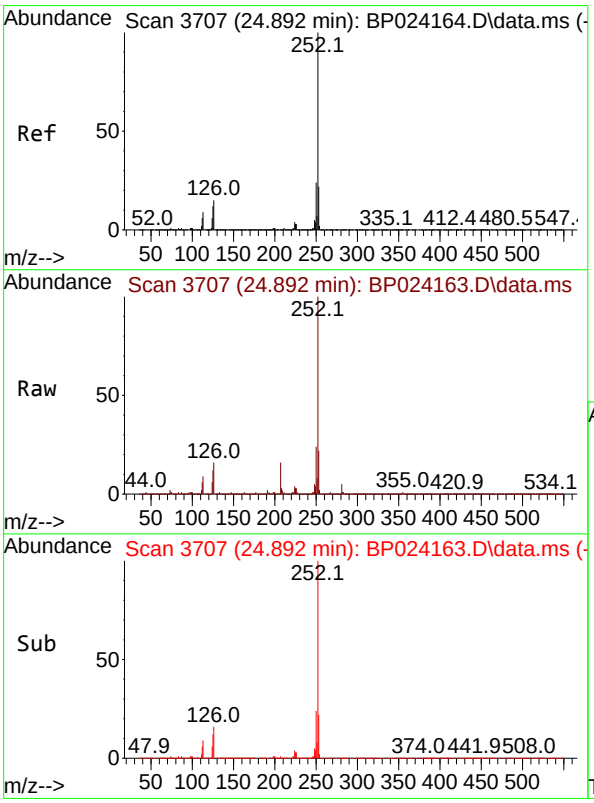
#89
Benzo(k)fluoranthene
Concen: 19.624 ng
RT: 24.051 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

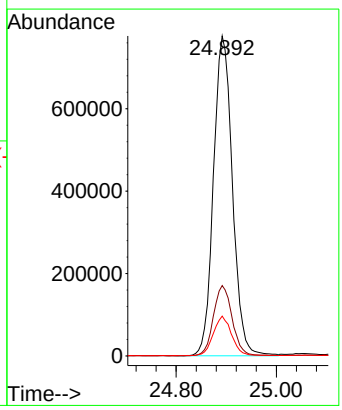


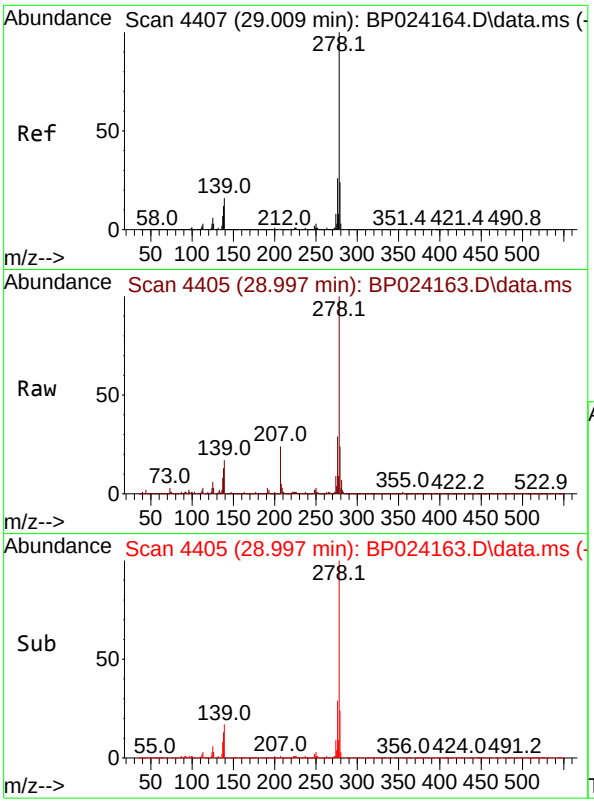


#90
Benzo(a)pyrene
Concen: 19.755 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



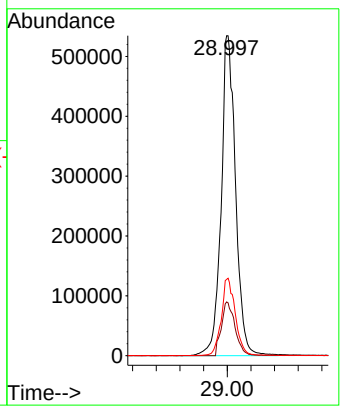


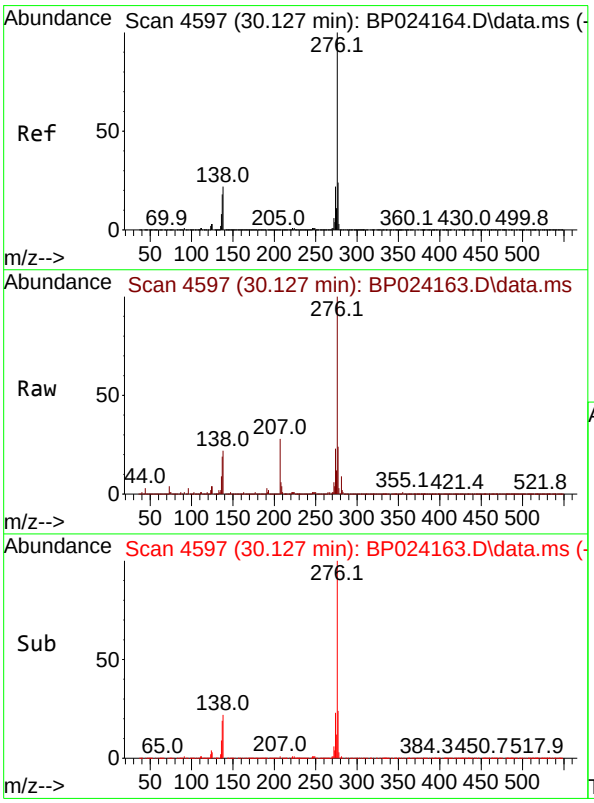
#91
Dibenzo(a,h)anthracene
Concen: 19.797 ng
RT: 28.997 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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

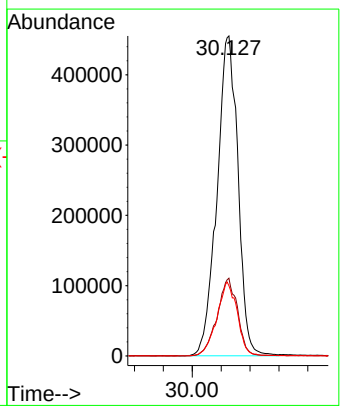




#92
Benzo(g,h,i)perylene
Concen: 19.746 ng
RT: 30.127 min Scan# 4597
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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



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

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

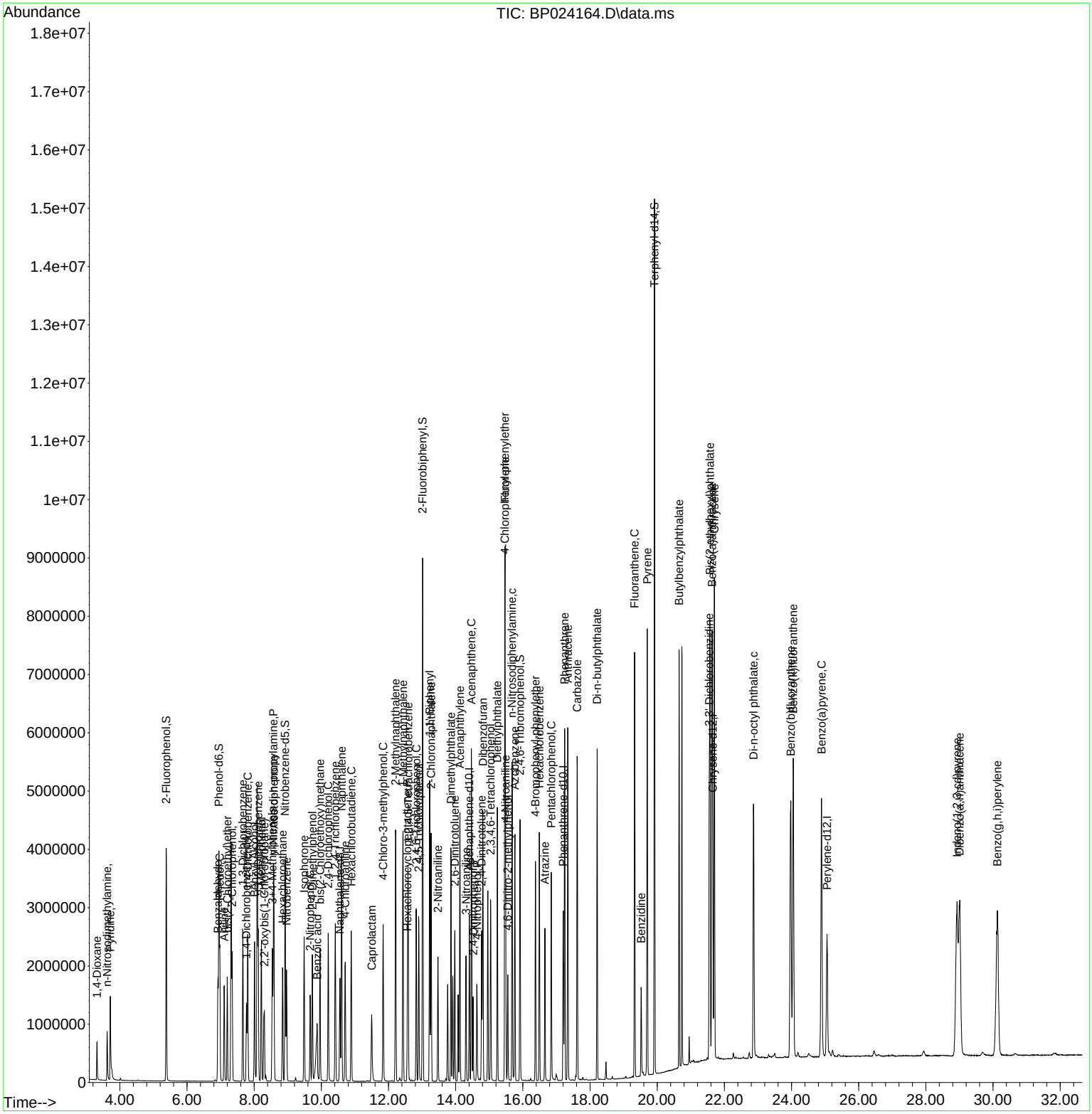
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.899	196	760360	39.872	ng	100
46) 1,1'-Biphenyl	13.228	154	2720465	37.621	ng	100
47) 2-Chloronaphthalene	13.269	162	2037284	37.269	ng	100
48) 2-Nitroaniline	13.475	65	543429	42.085	ng	100
49) Acenaphthylene	14.128	152	3091813	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

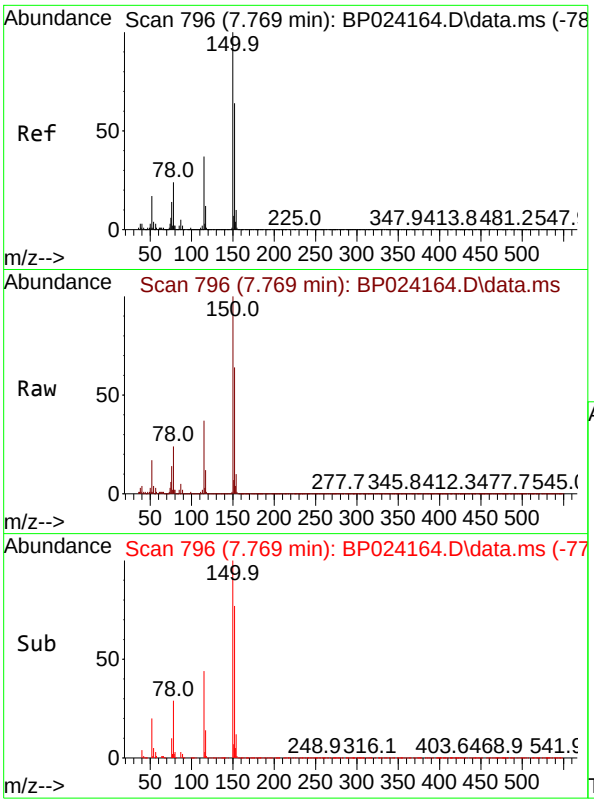
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



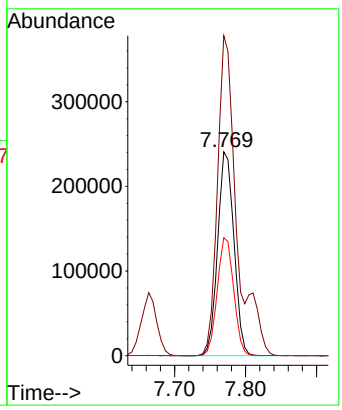


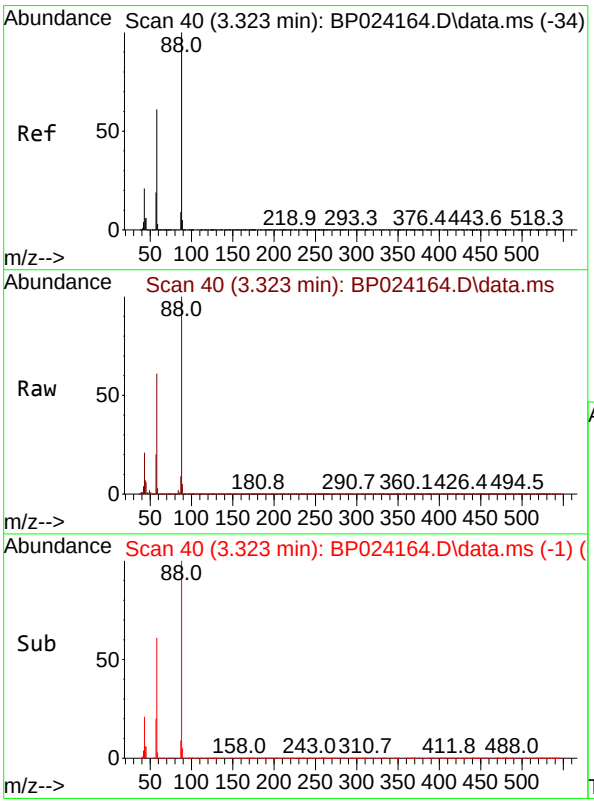
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

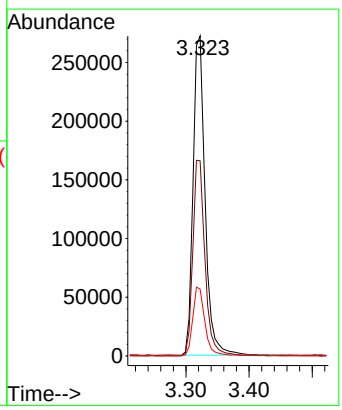


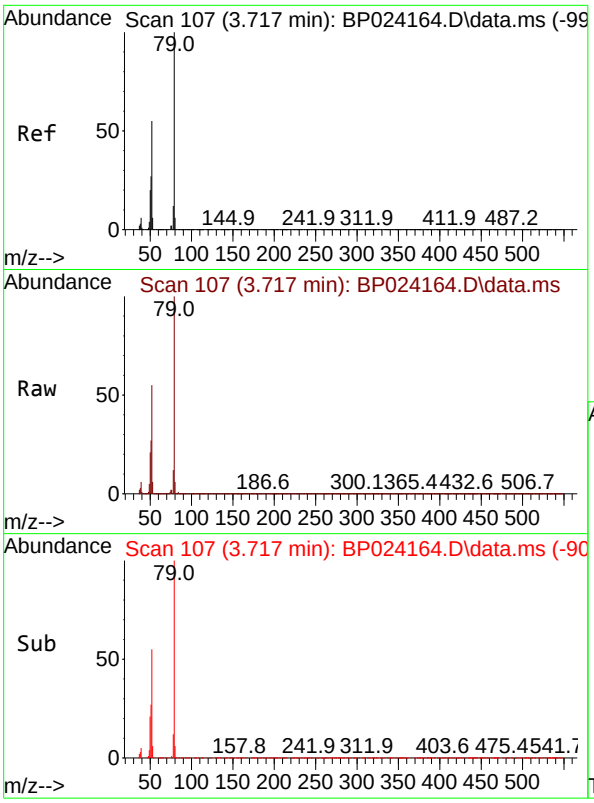


#2
1,4-Dioxane
Concen: 37.325 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



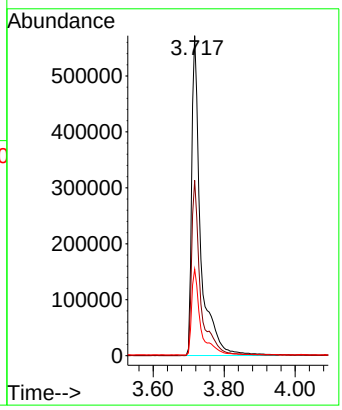


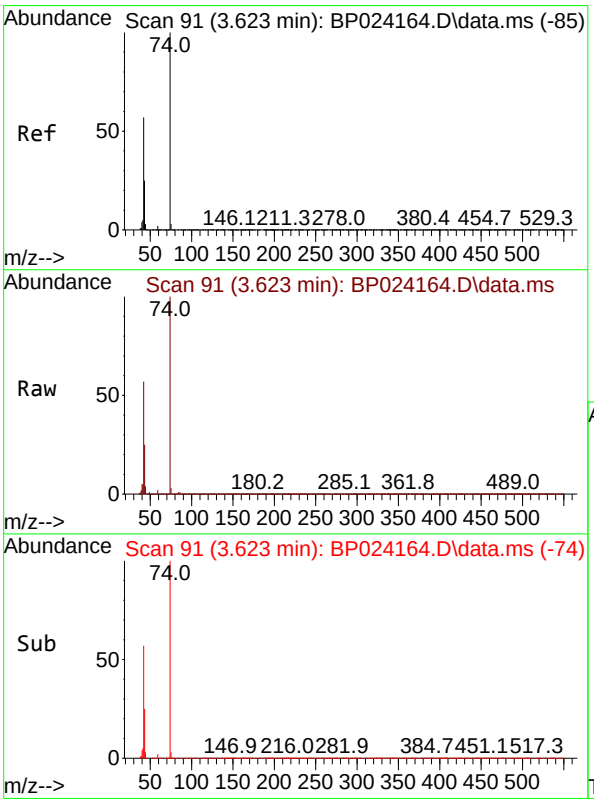
#3
Pyridine
Concen: 40.105 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

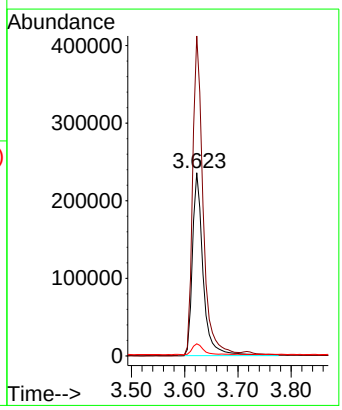


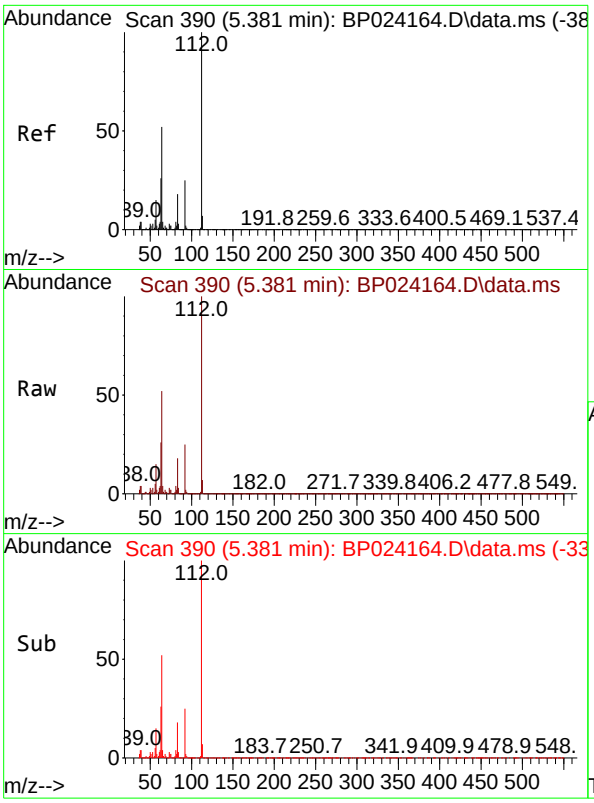


#4
n-Nitrosodimethylamine
Concen: 37.156 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



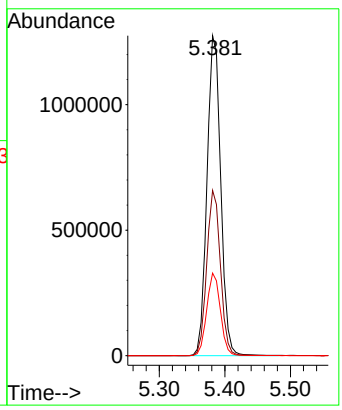


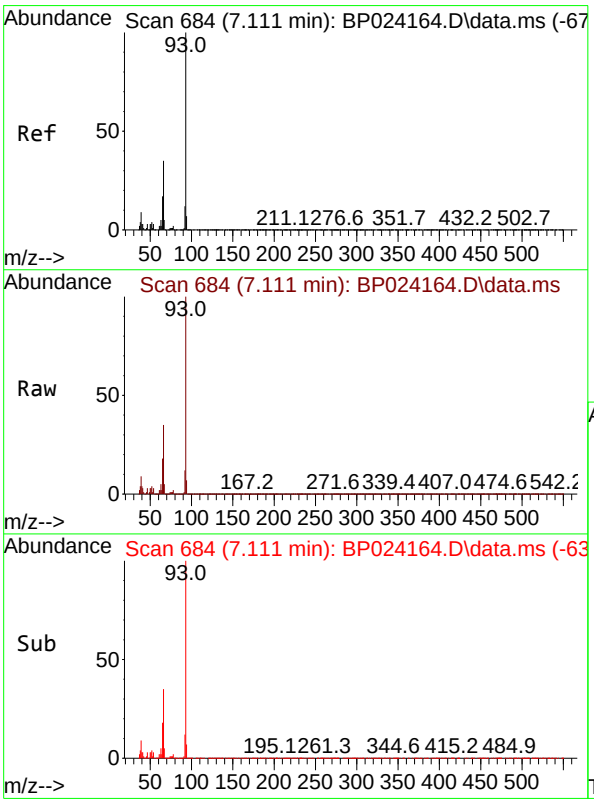
#5
2-Fluorophenol
Concen: 75.560 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

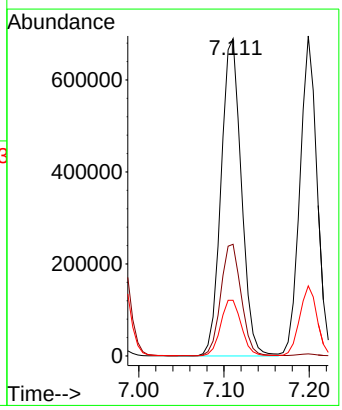


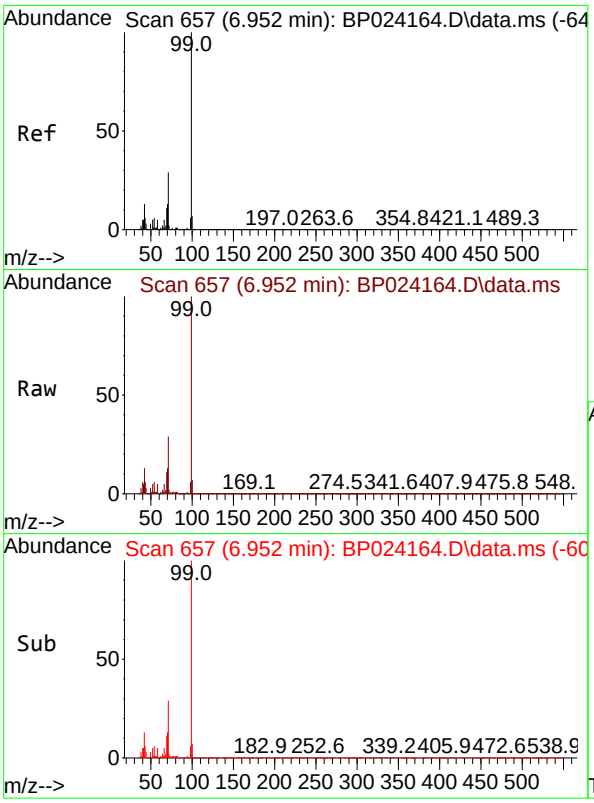


#6
Aniline
Concen: 39.358 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



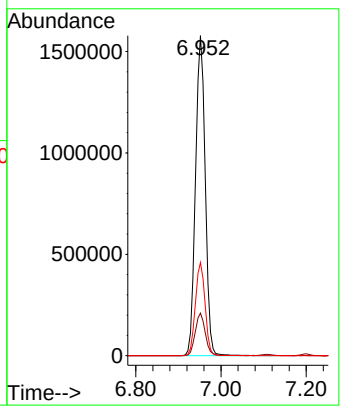


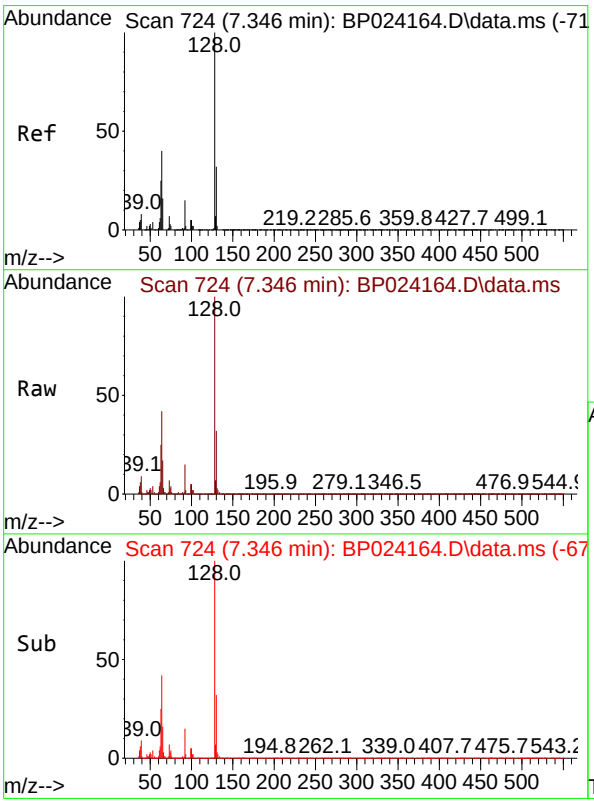
#7
Phenol-d6
Concen: 79.217 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

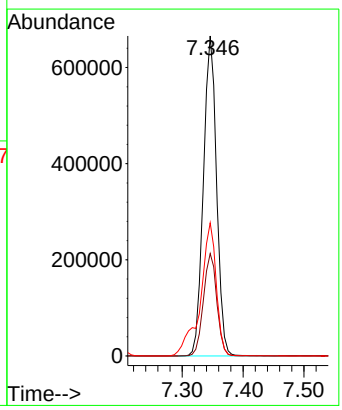


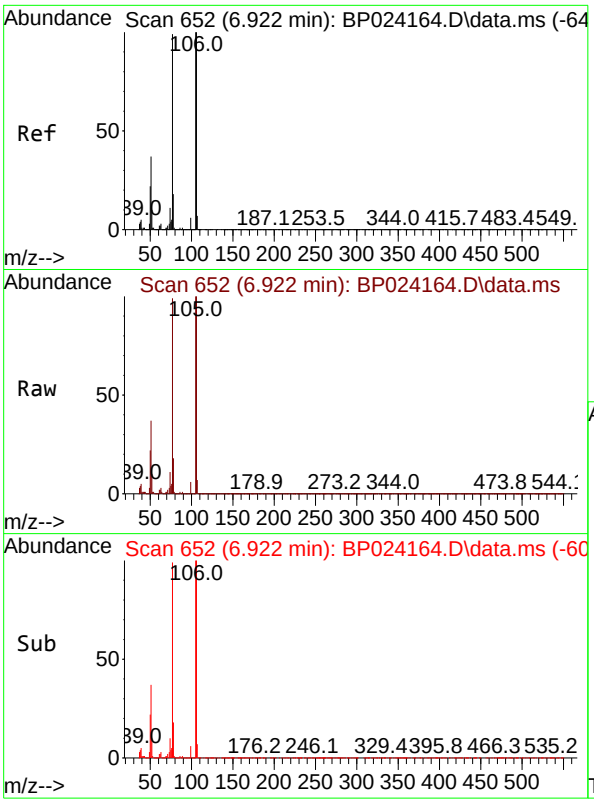


#8
2-Chlorophenol
Concen: 38.507 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



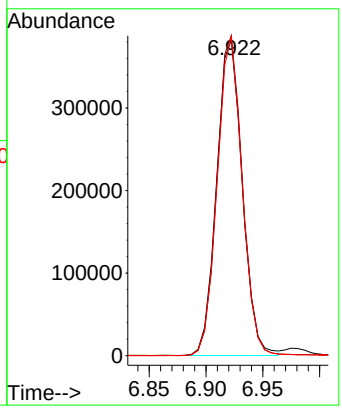


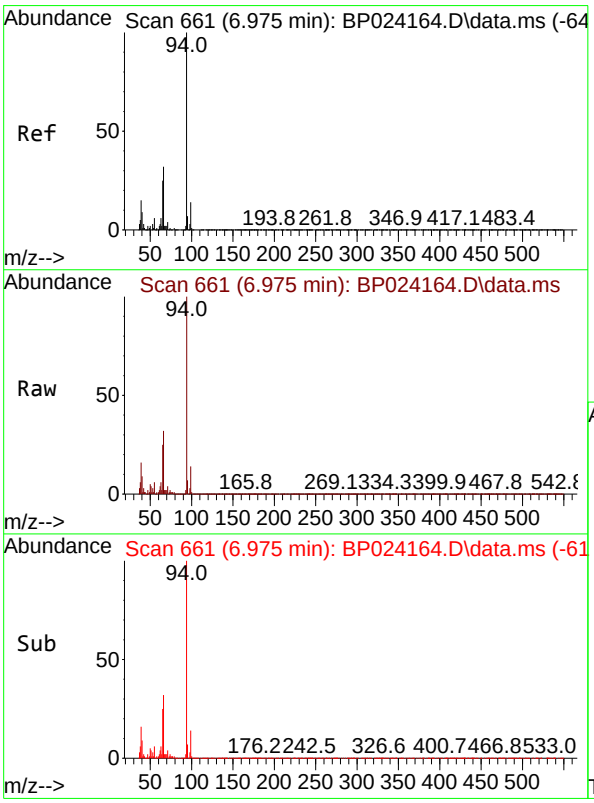
#9
Benzaldehyde
Concen: 41.462 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

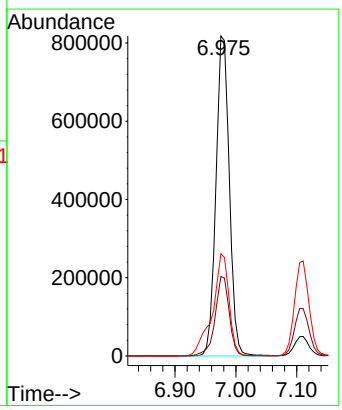


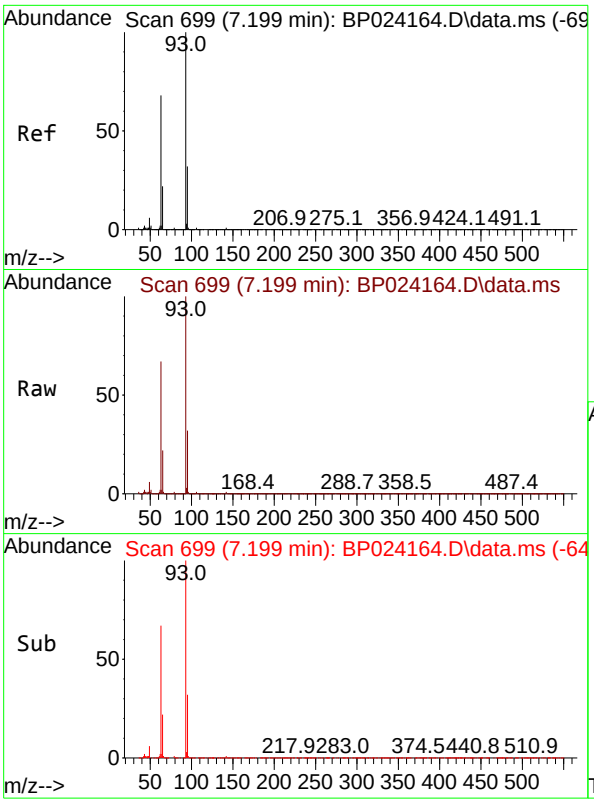


#10
Phenol
Concen: 39.305 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



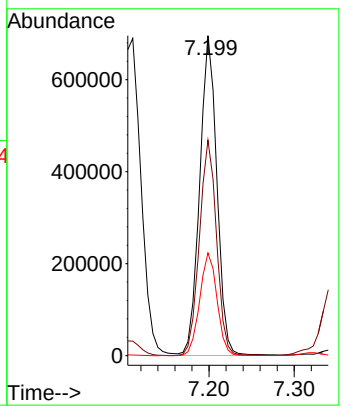


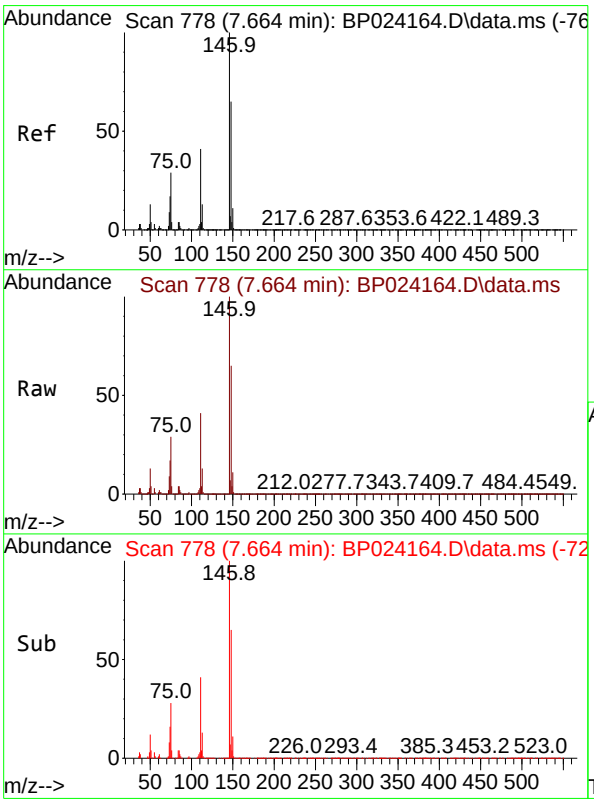
#11
bis(2-Chloroethyl)ether
Concen: 39.033 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

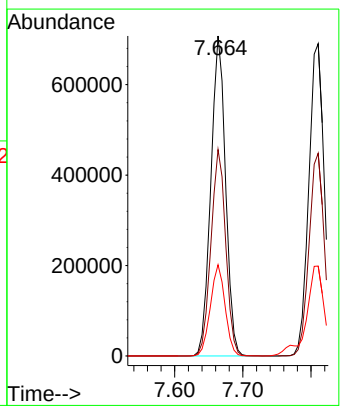


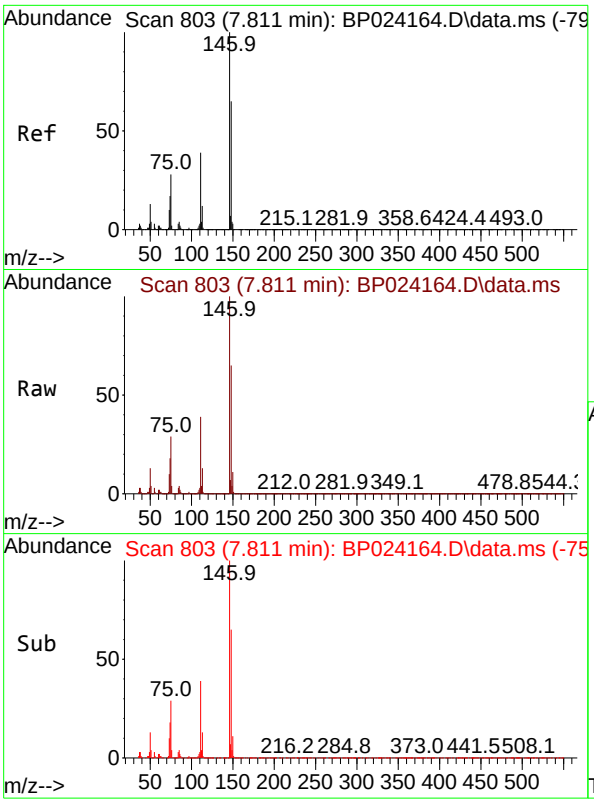


#12
1,3-Dichlorobenzene
Concen: 37.225 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



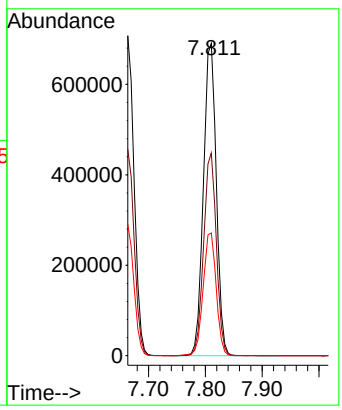


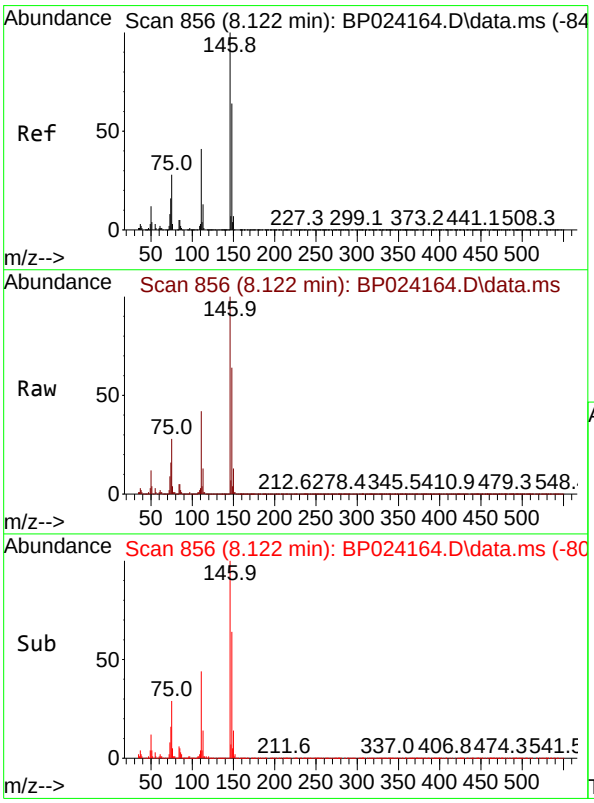
#13
1,4-Dichlorobenzene
Concen: 37.495 ng
RT: 7.811 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

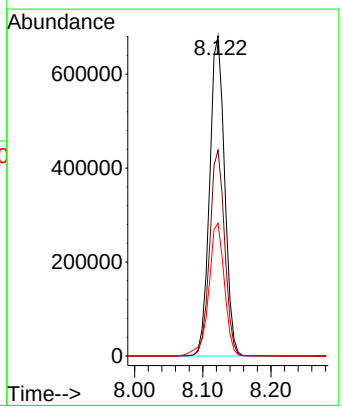


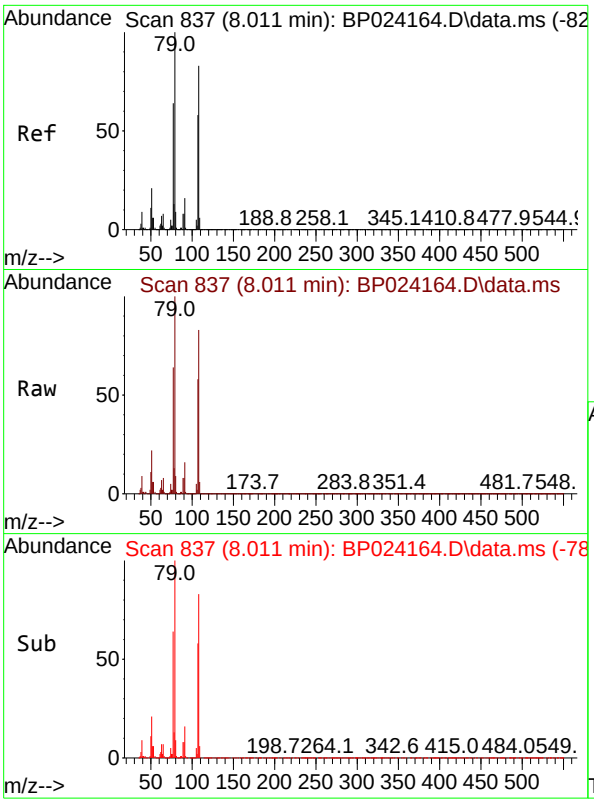


#14
1,2-Dichlorobenzene
Concen: 37.564 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



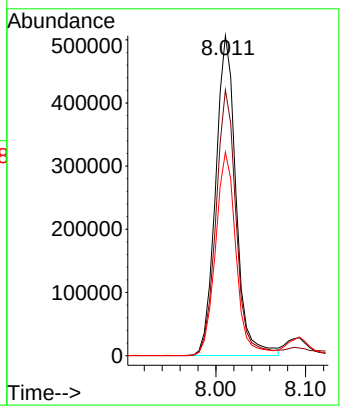


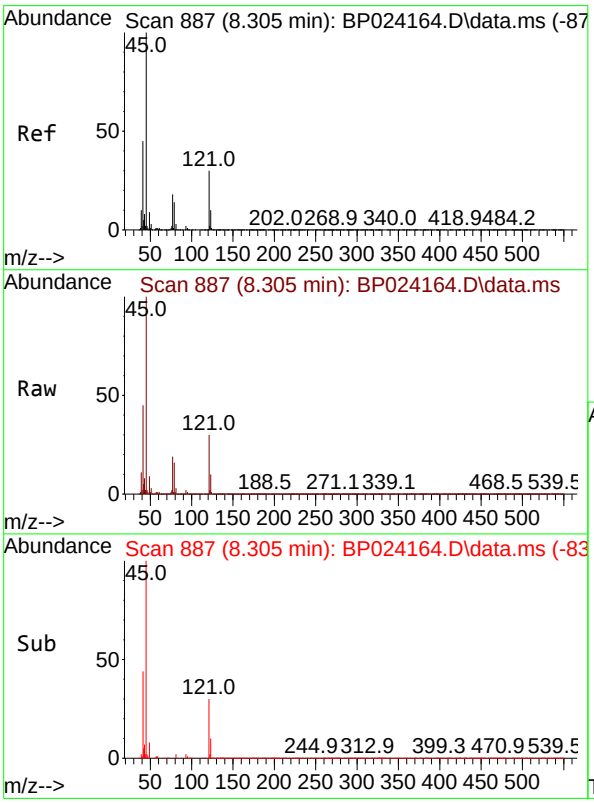
#15
Benzyl Alcohol
Concen: 41.320 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

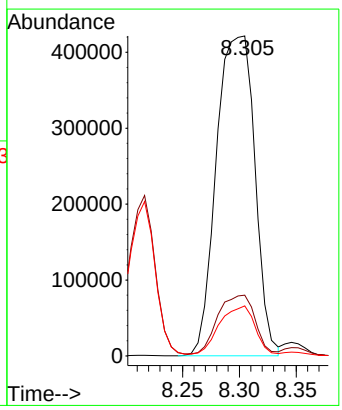


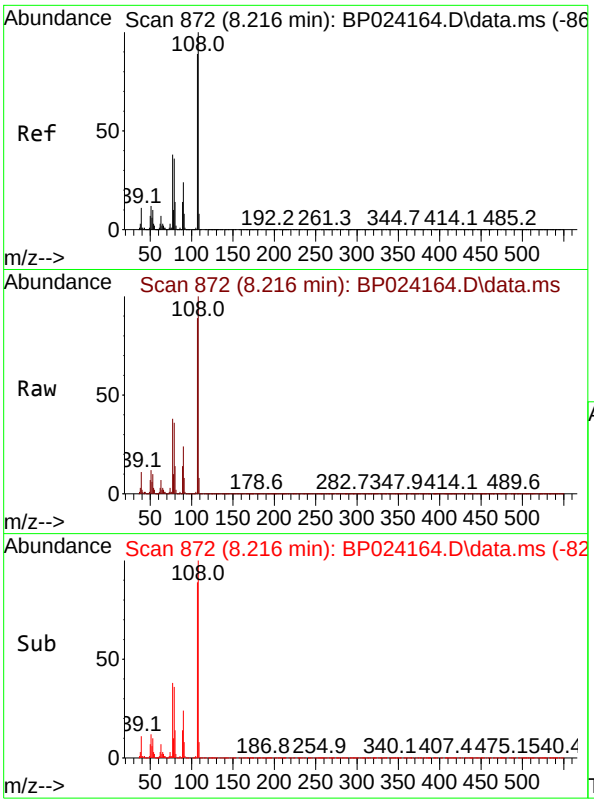


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.824 ng
RT: 8.305 min Scan# 887
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



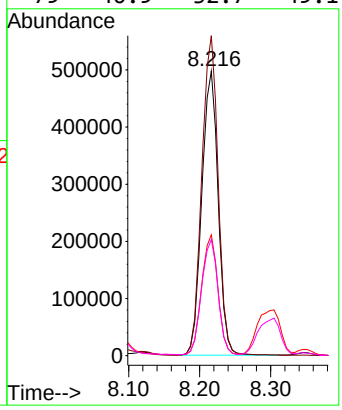


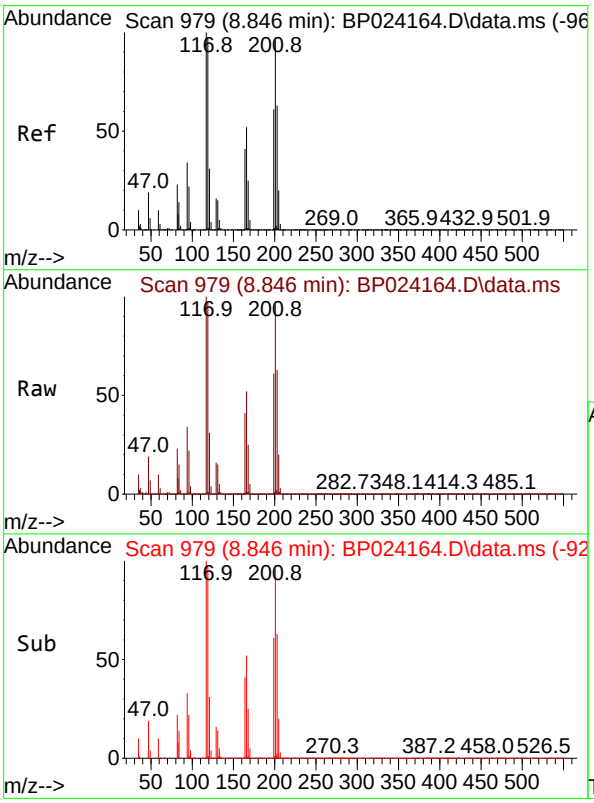
#17
2-Methylphenol
Concen: 41.136 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

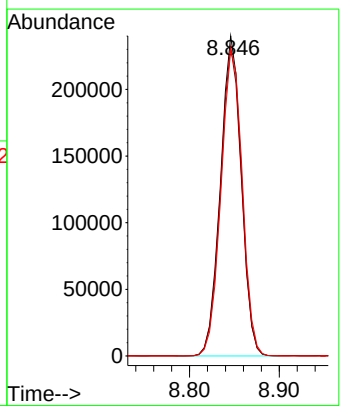


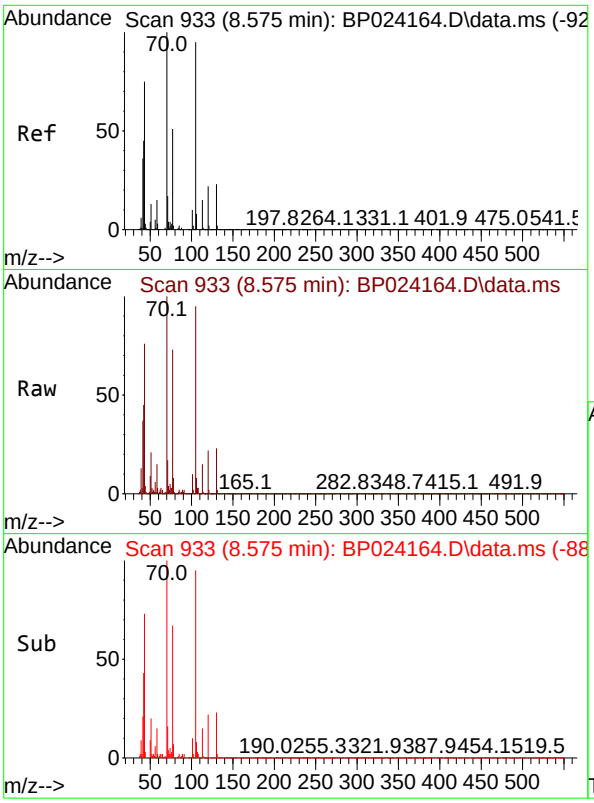


#18
Hexachloroethane
Concen: 37.399 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



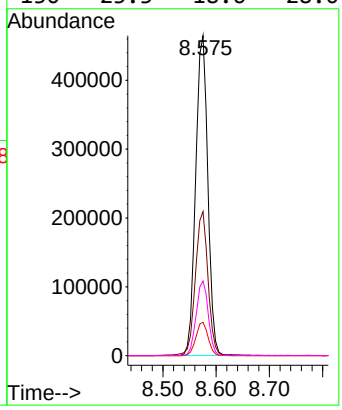


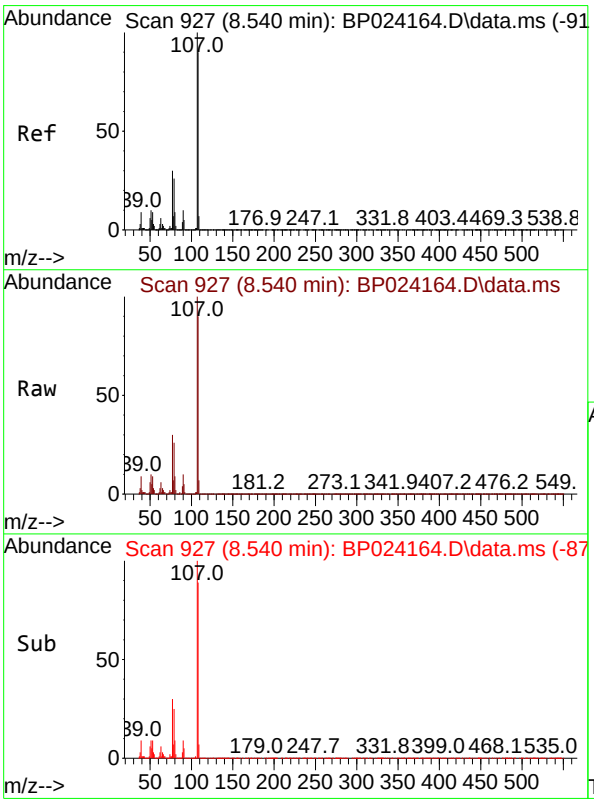
#19
n-Nitroso-di-n-propylamine
Concen: 43.423 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

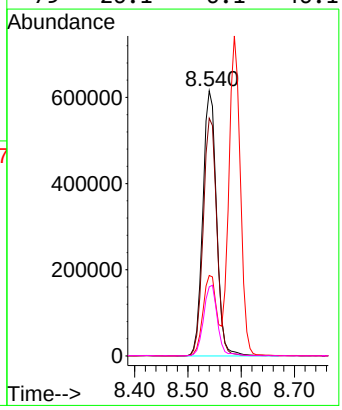


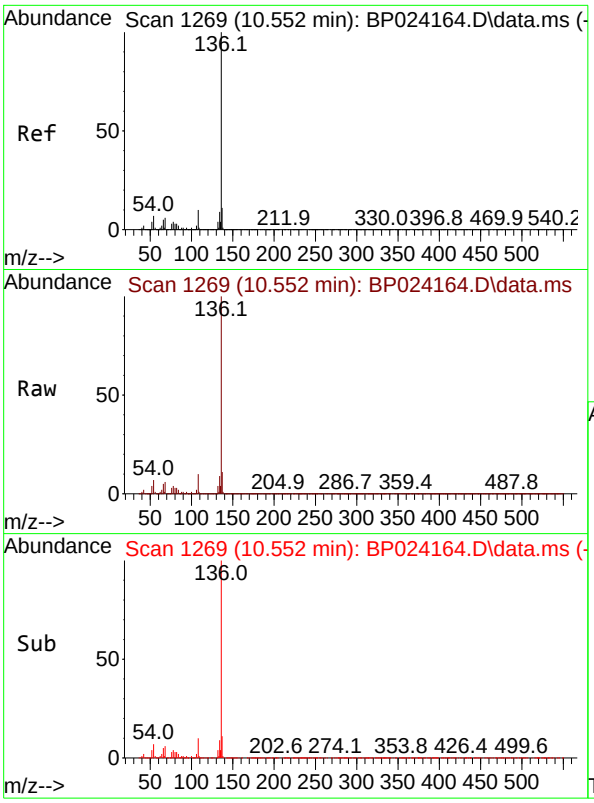


#20
3+4-Methylphenols
Concen: 41.727 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



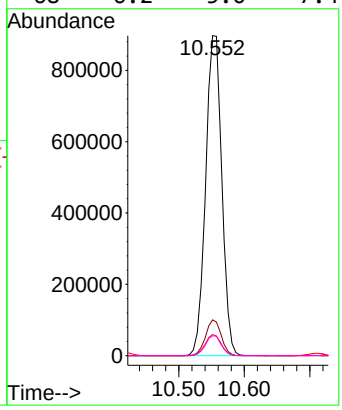


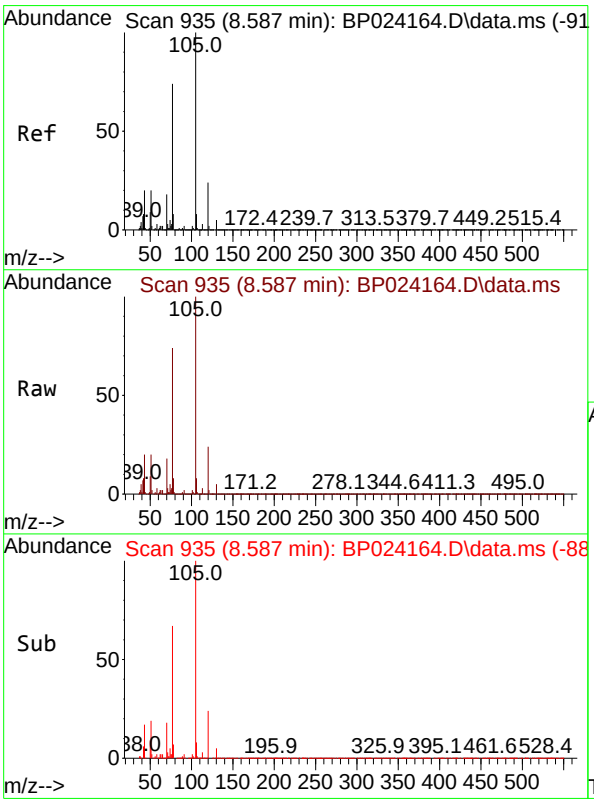
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

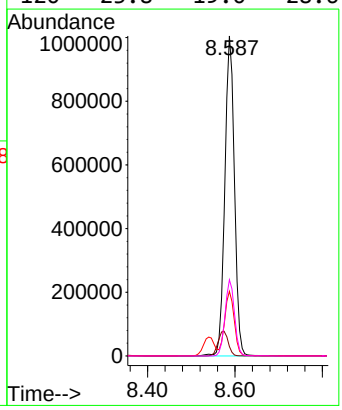


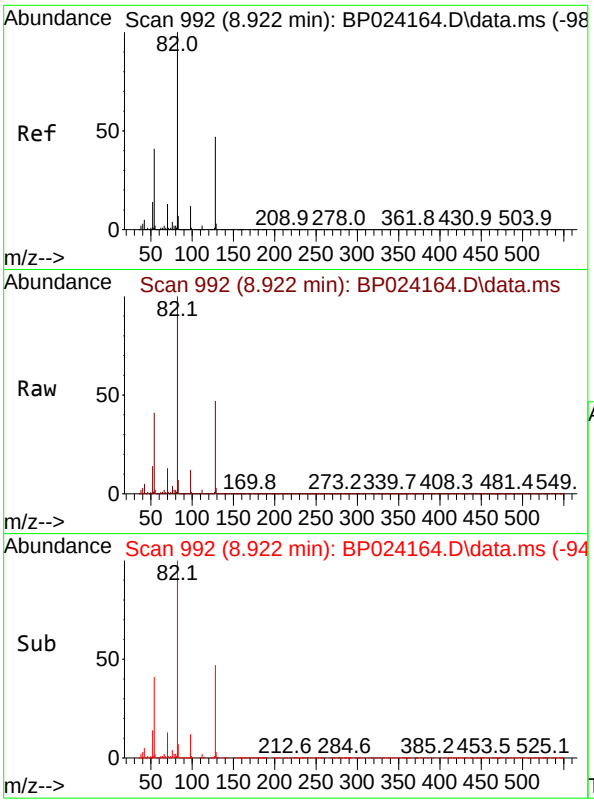


#22
Acetophenone
Concen: 38.574 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



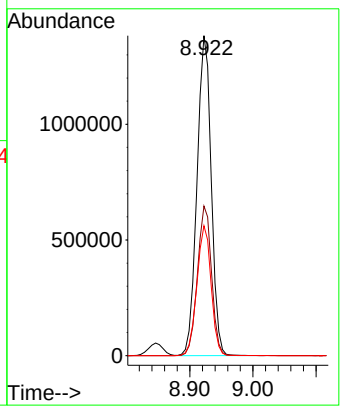


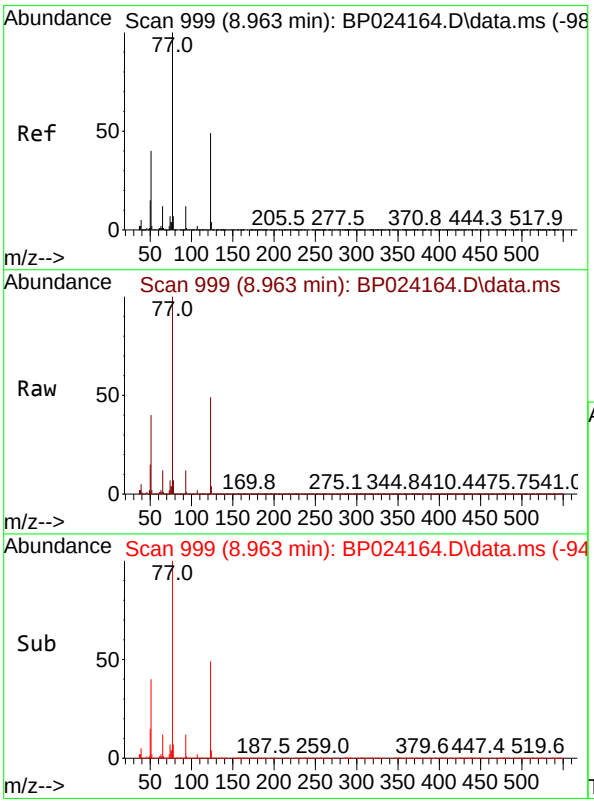
#23
Nitrobenzene-d5
Concen: 78.240 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

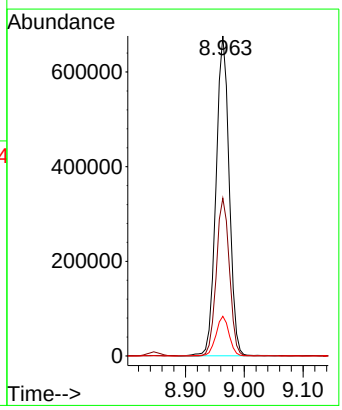


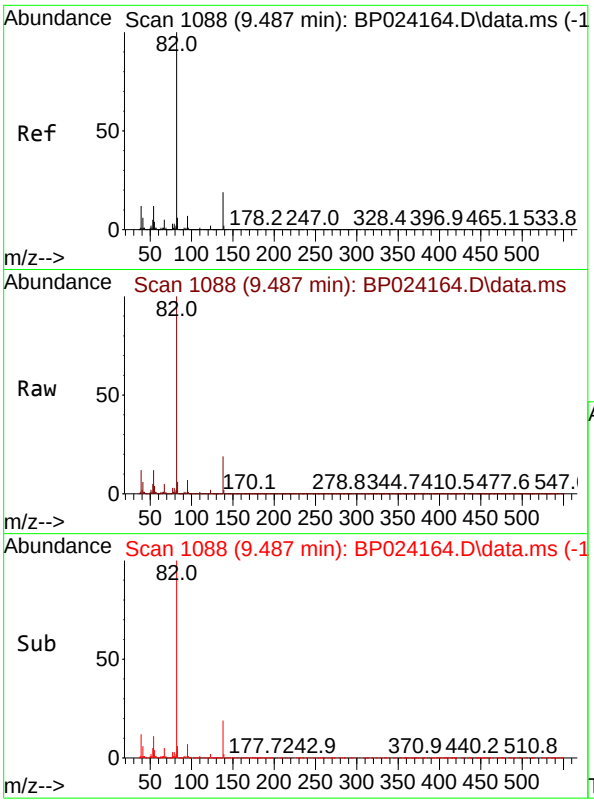


#24
Nitrobenzene
Concen: 38.662 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



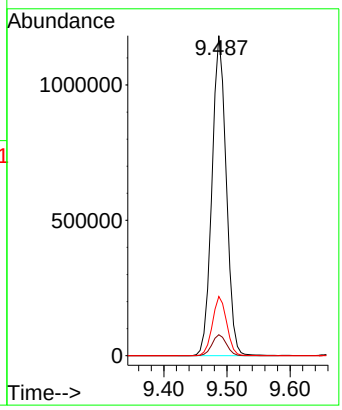


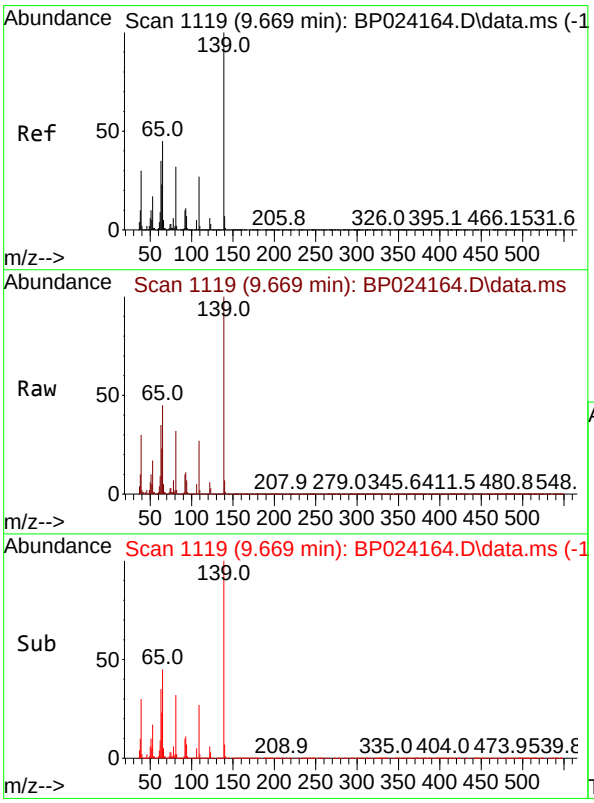
#25
Isophorone
Concen: 41.100 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

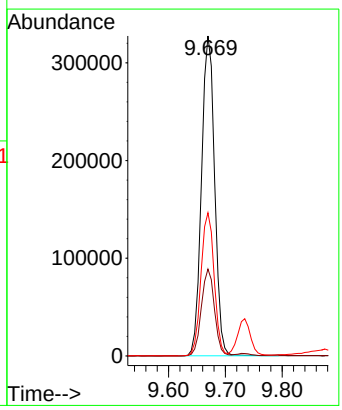


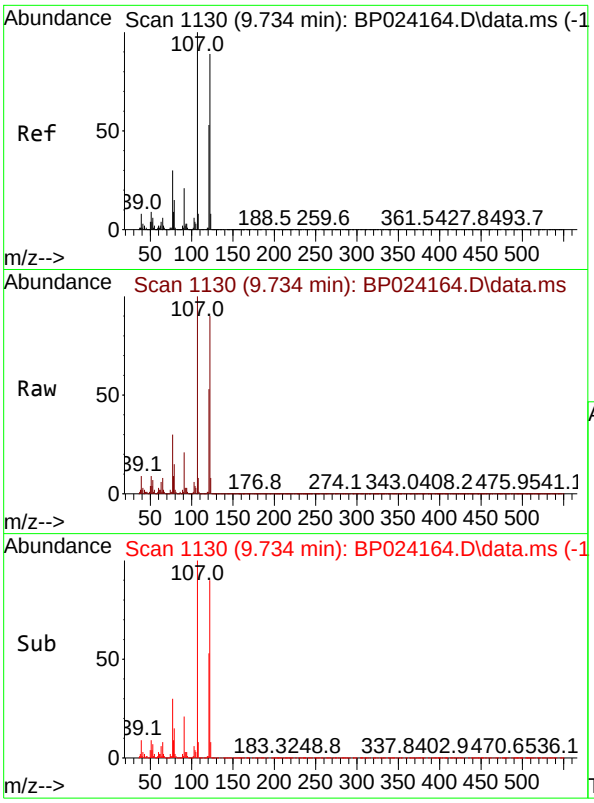


#26
2-Nitrophenol
Concen: 42.034 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



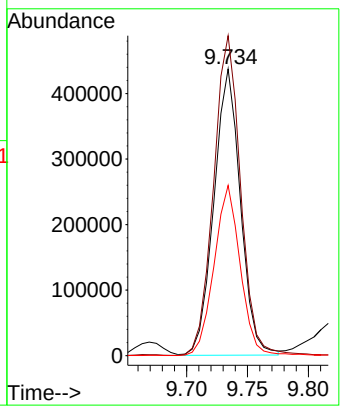


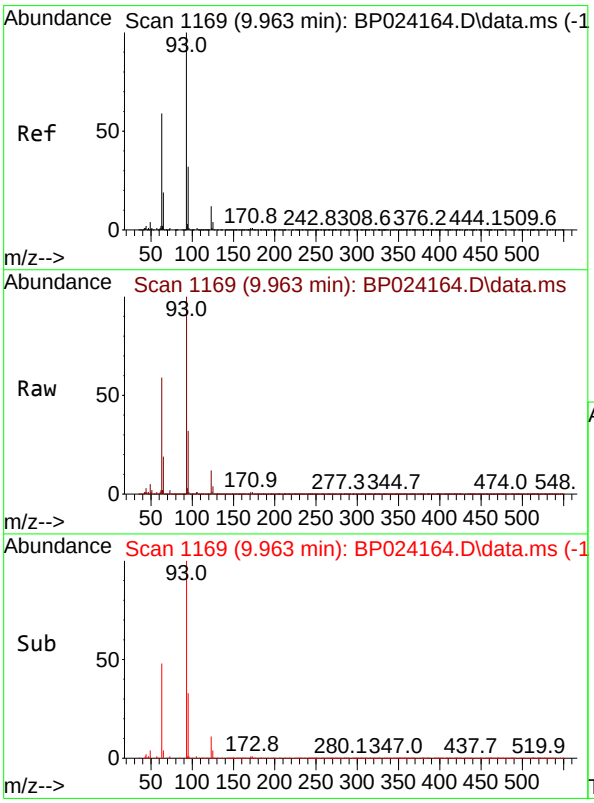
#27
2,4-Dimethylphenol
Concen: 40.316 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

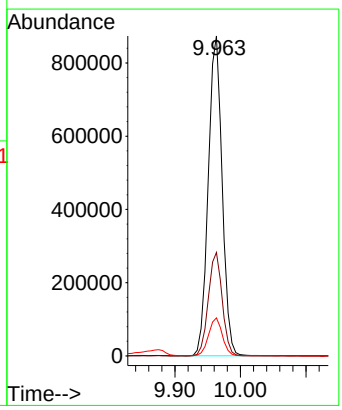


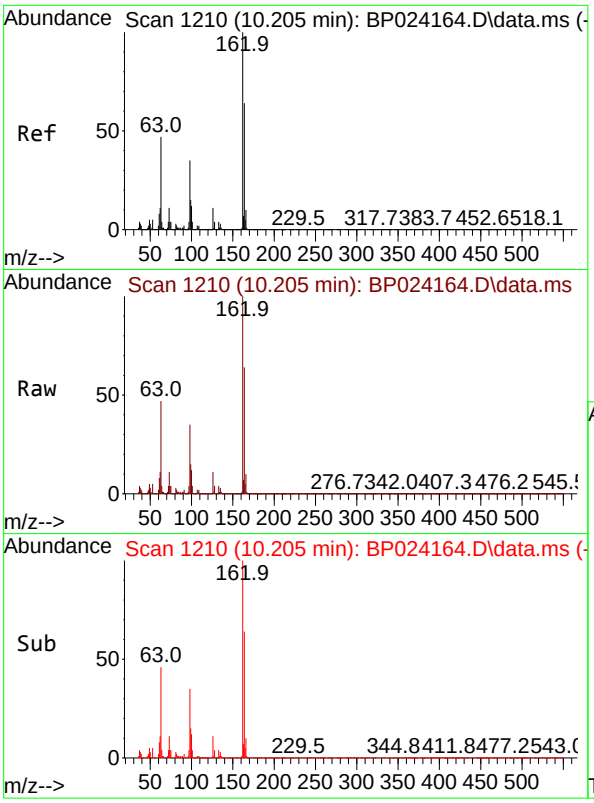


#28
bis(2-Chloroethoxy)methane
Concen: 39.353 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



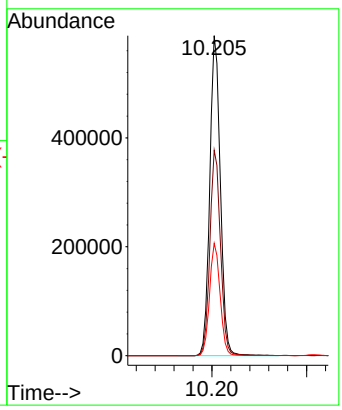


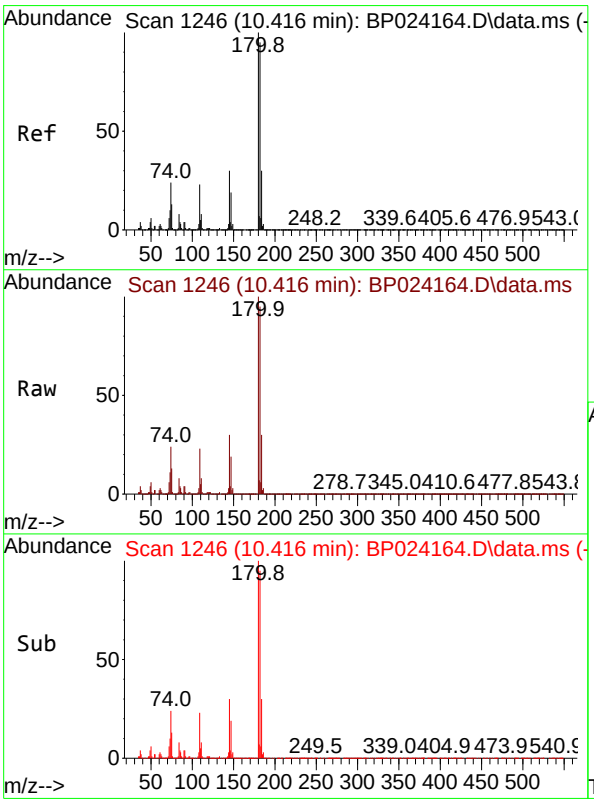
#29
2,4-Dichlorophenol
Concen: 40.720 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

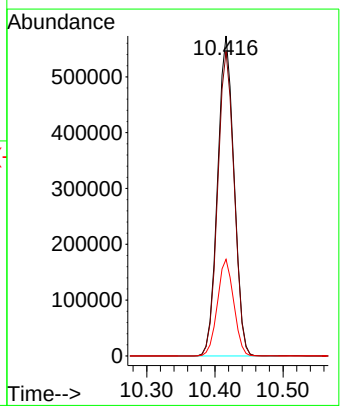


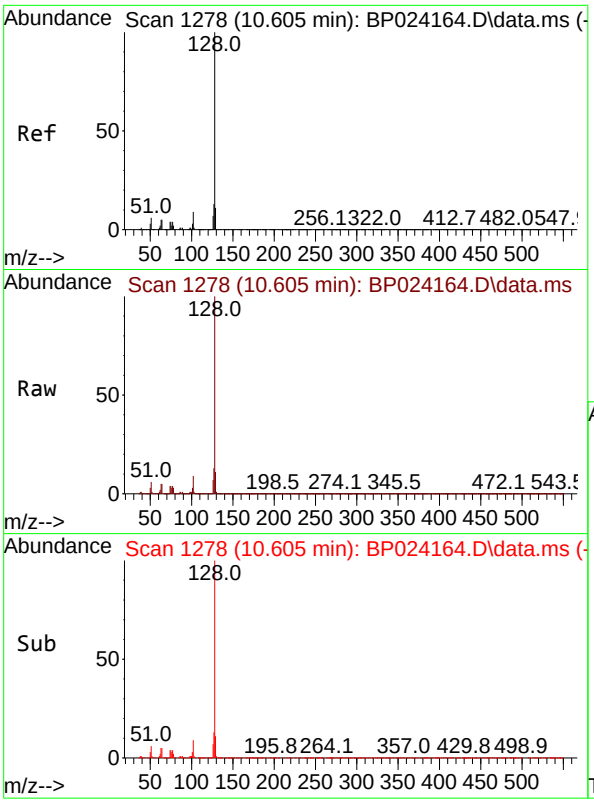


#30
1,2,4-Trichlorobenzene
Concen: 37.439 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



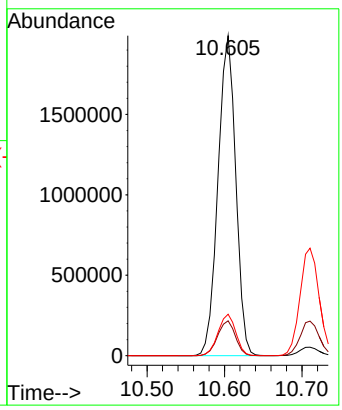


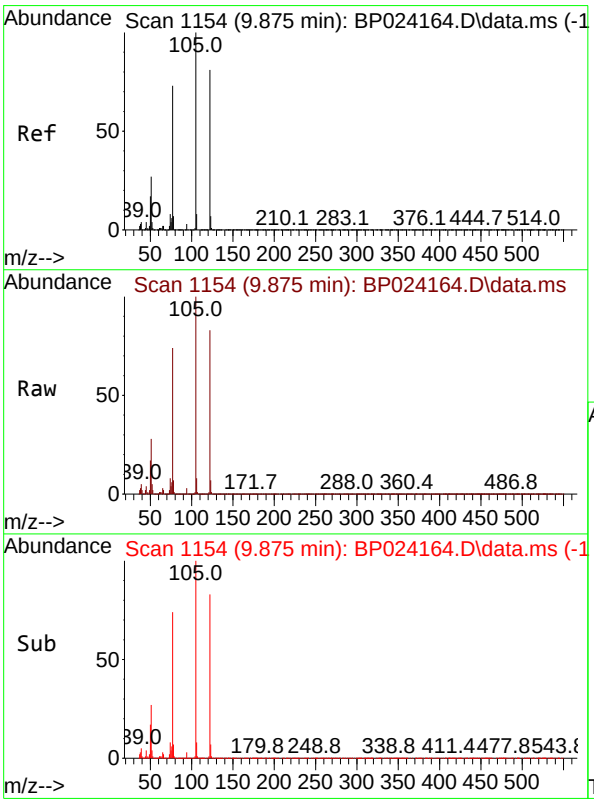
#31
Naphthalene
Concen: 38.287 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

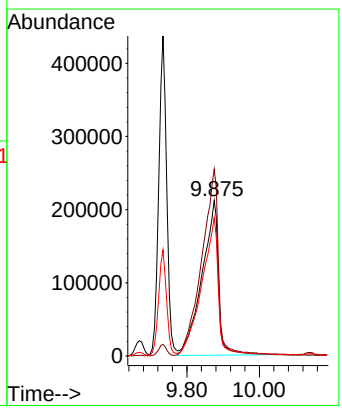


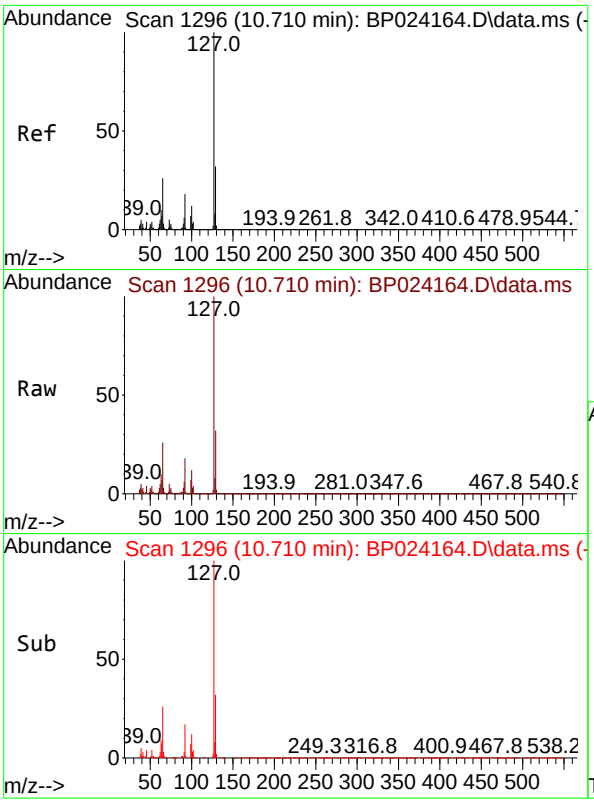


#32
Benzoic acid
Concen: 44.564 ng
RT: 9.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



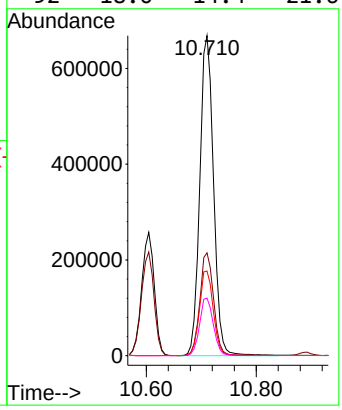


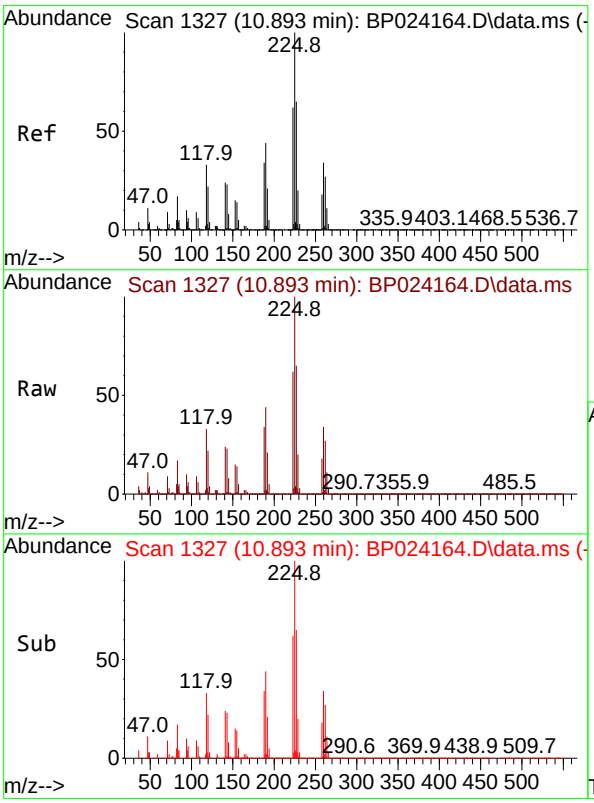
#33
4-Chloroaniline
Concen: 39.789 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

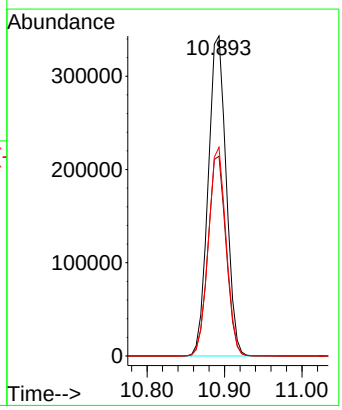


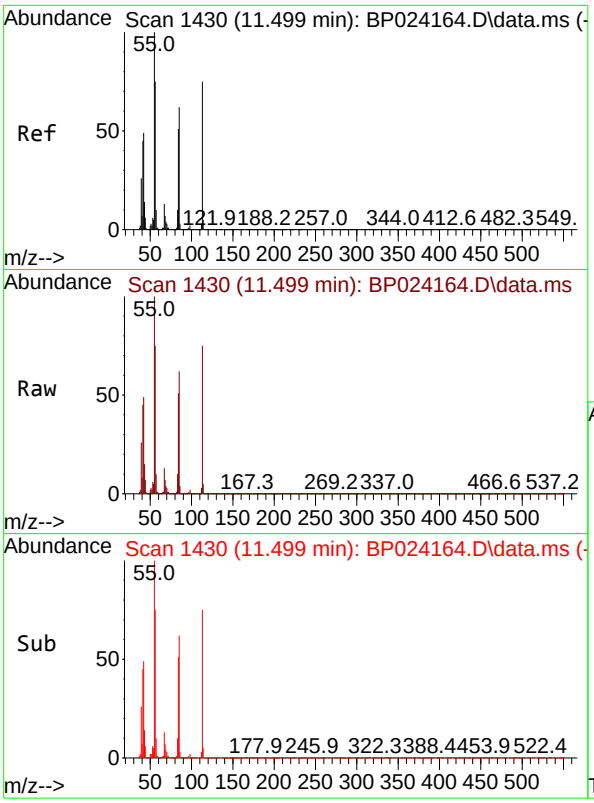


#34
Hexachlorobutadiene
Concen: 37.241 ng
RT: 10.893 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



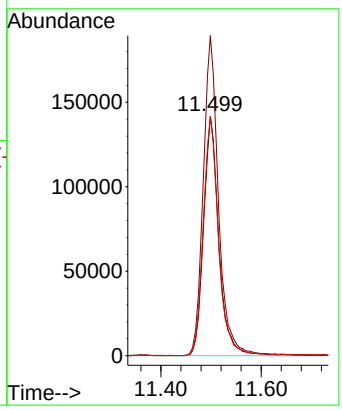


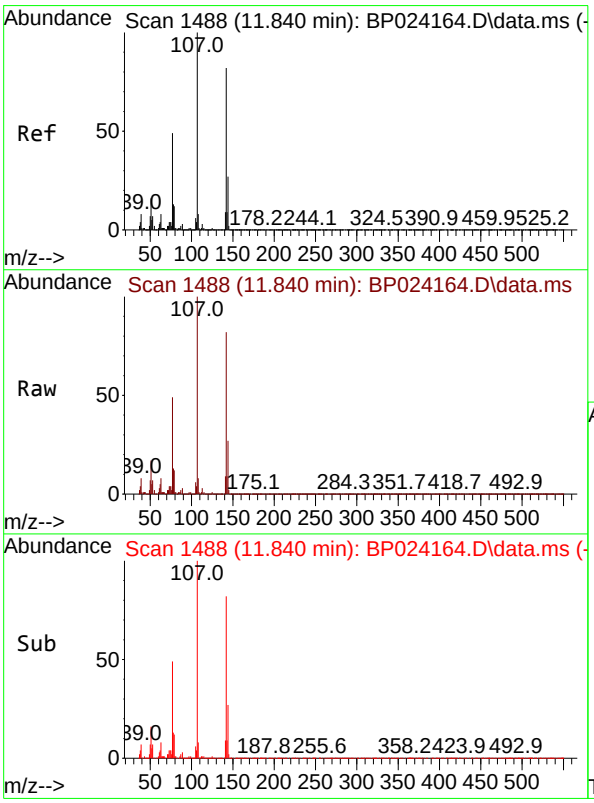
#35
Caprolactam
Concen: 44.083 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

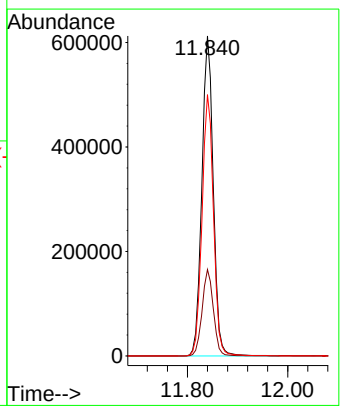


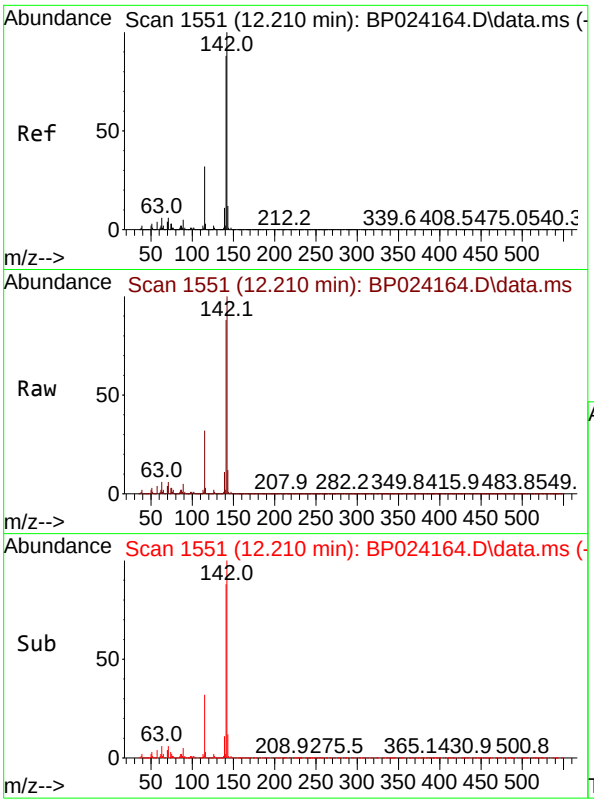


#36
4-Chloro-3-methylphenol
Concen: 41.977 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



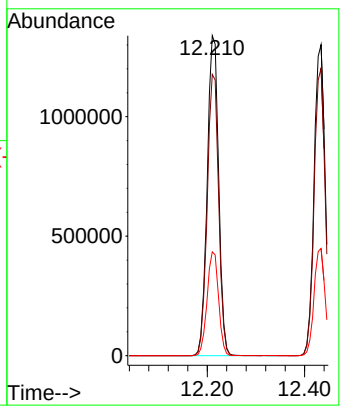


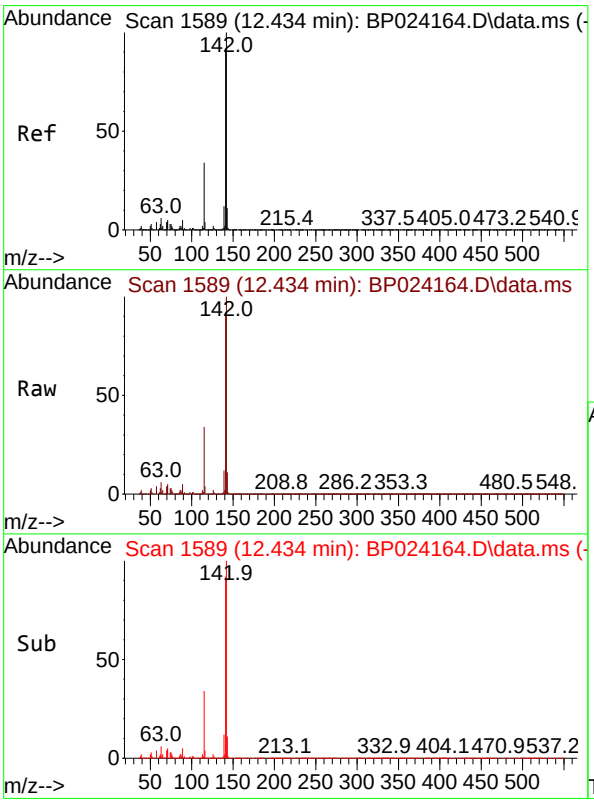
#37
2-Methylnaphthalene
Concen: 39.419 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

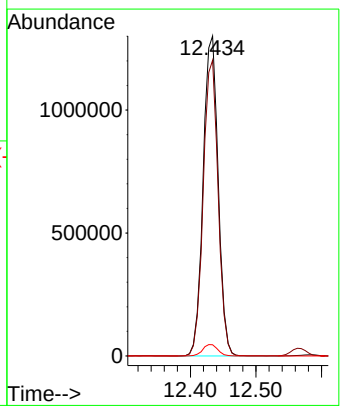


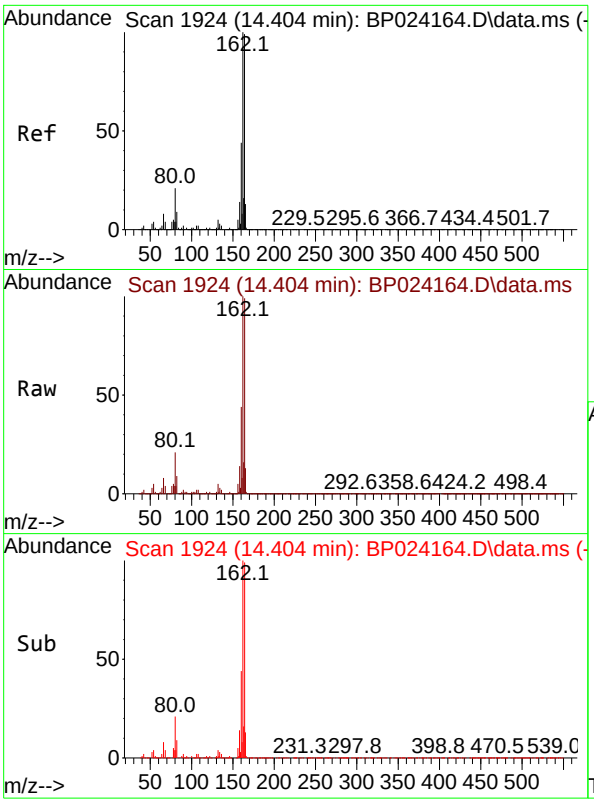


#38
1-Methylnaphthalene
Concen: 38.734 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



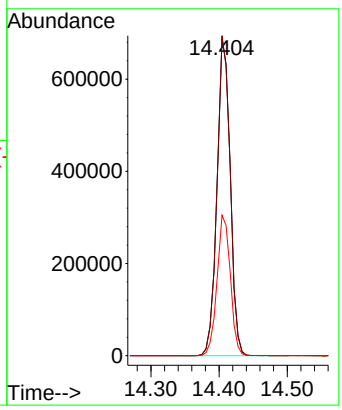


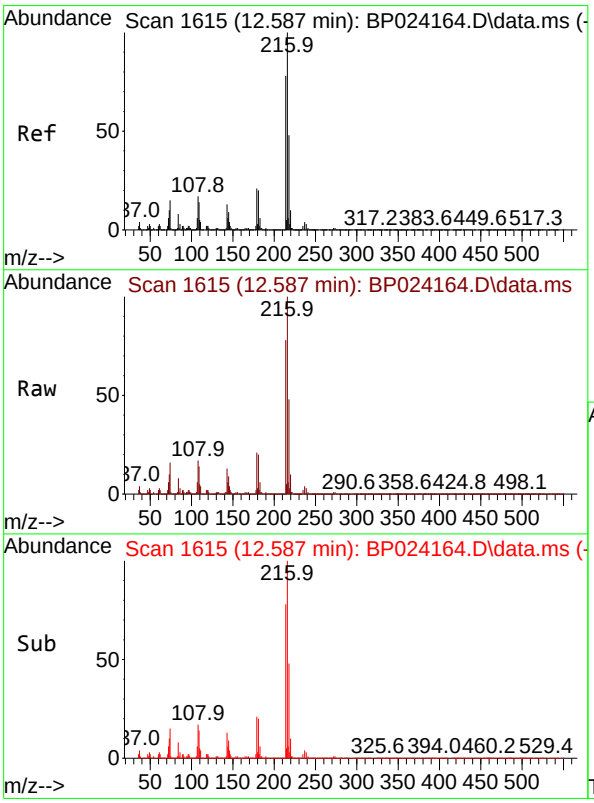
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

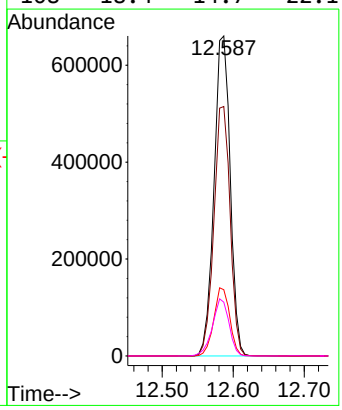


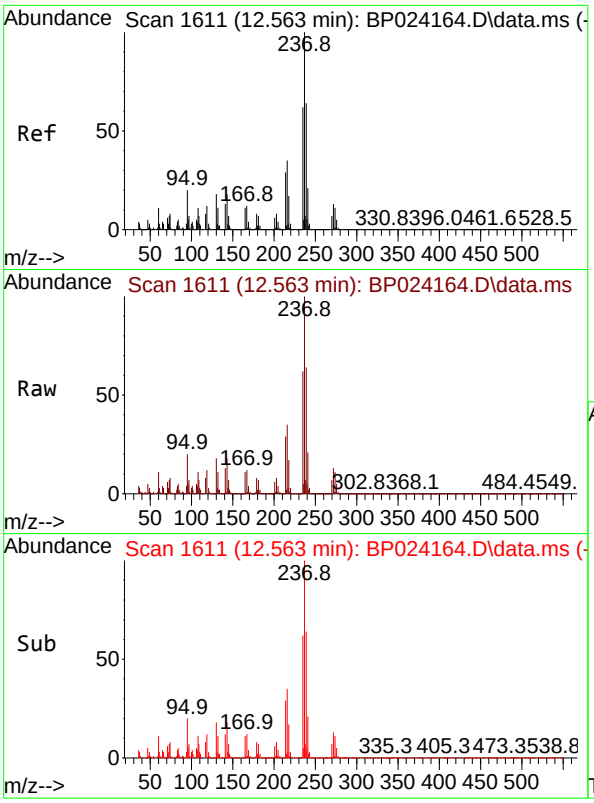


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.348 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



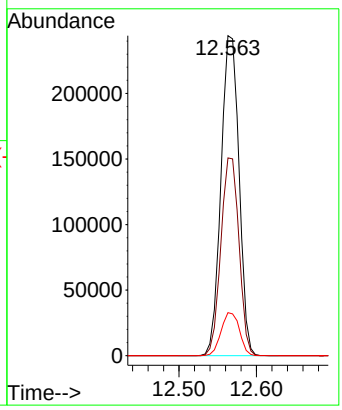


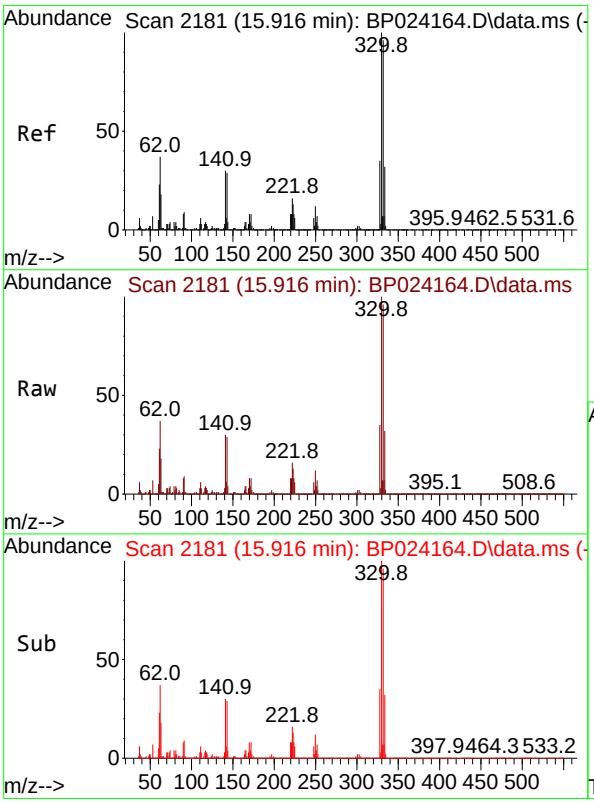
#41
Hexachlorocyclopentadiene
Concen: 37.139 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

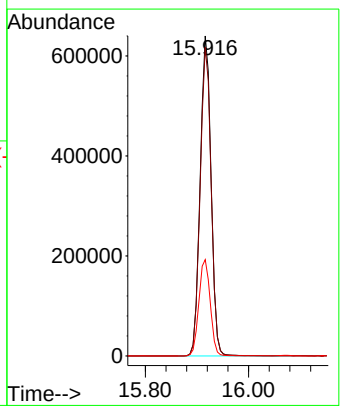


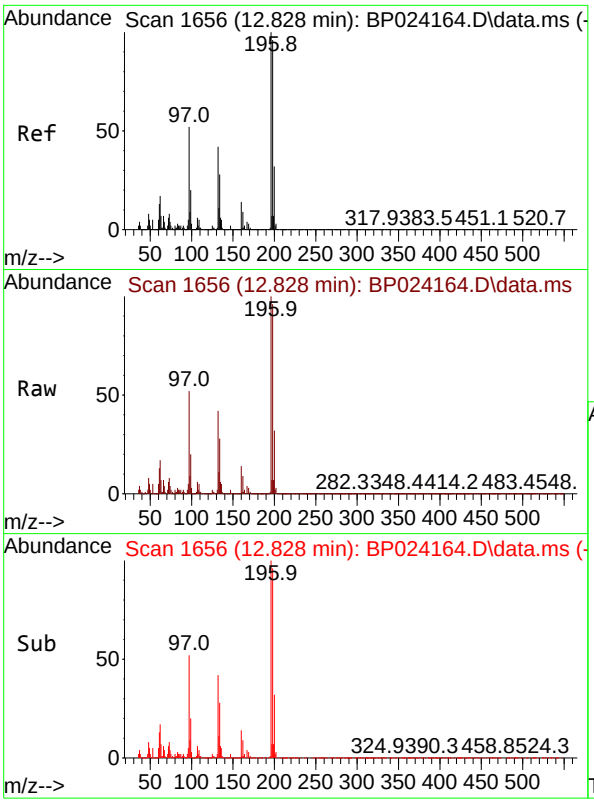


#42
2,4,6-Tribromophenol
Concen: 82.309 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



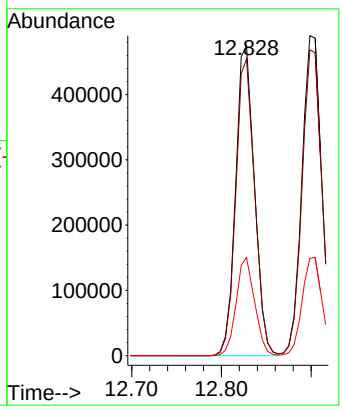


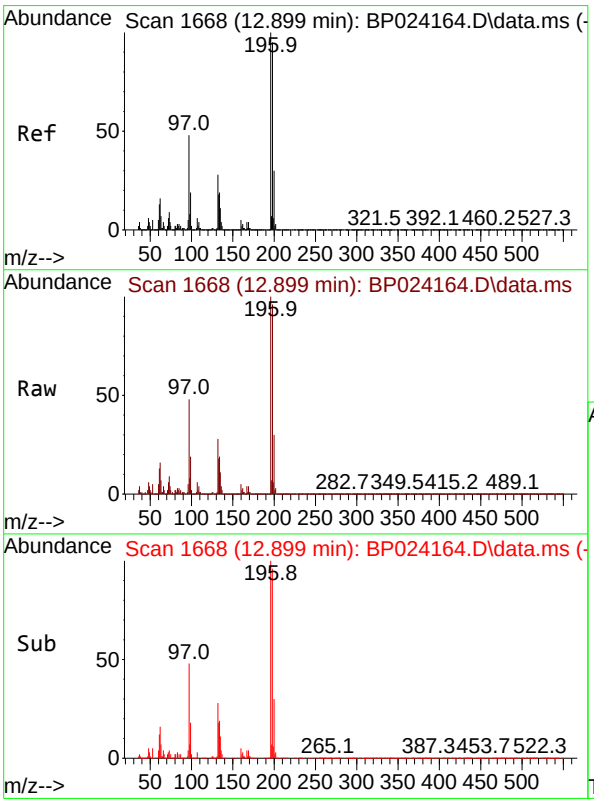
#43
2,4,6-Trichlorophenol
Concen: 39.731 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

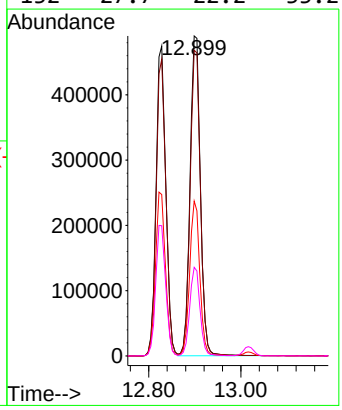


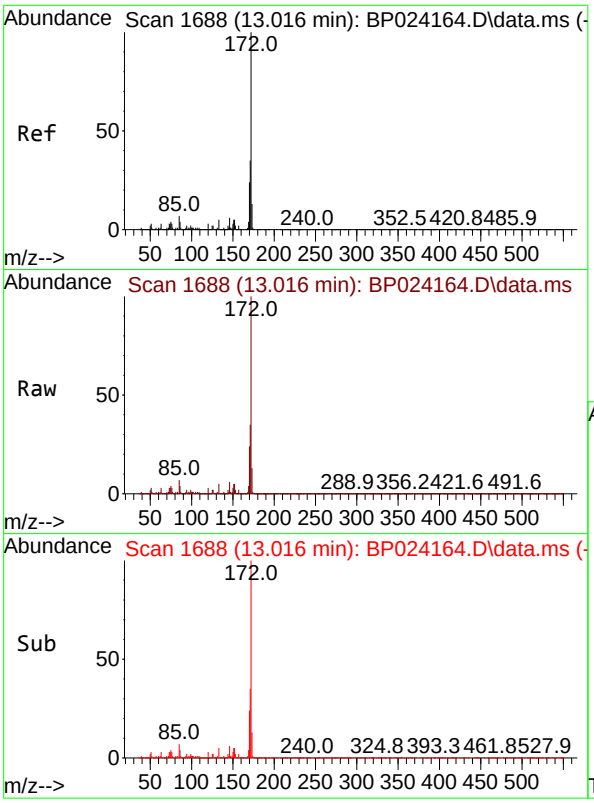


#44
2,4,5-Trichlorophenol
Concen: 39.872 ng
RT: 12.899 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



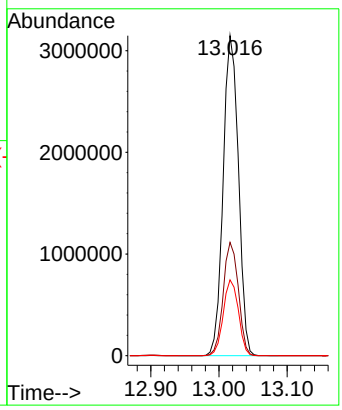


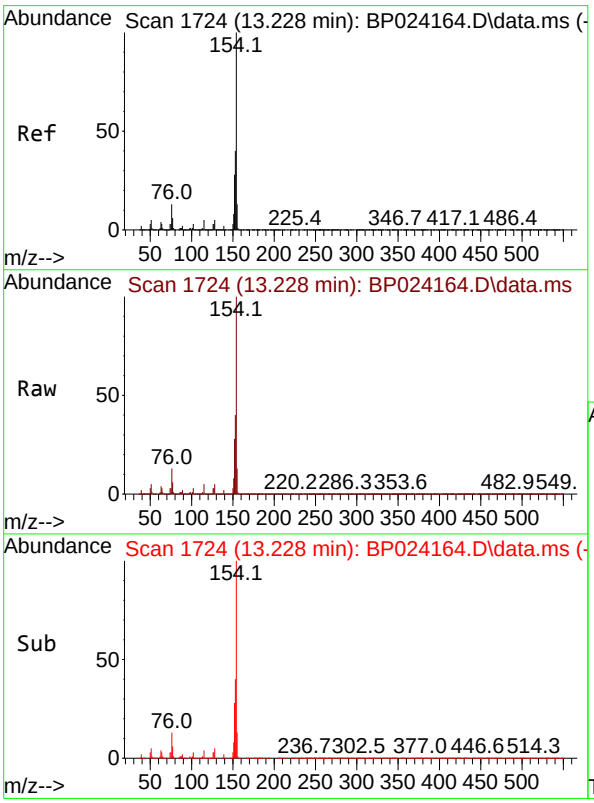
#45
2-Fluorobiphenyl
Concen: 73.785 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

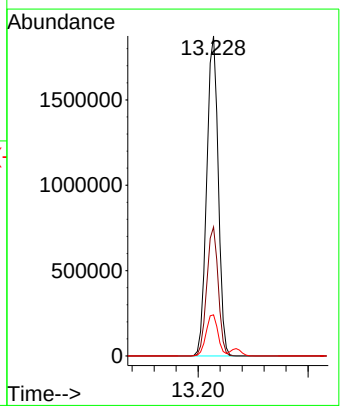


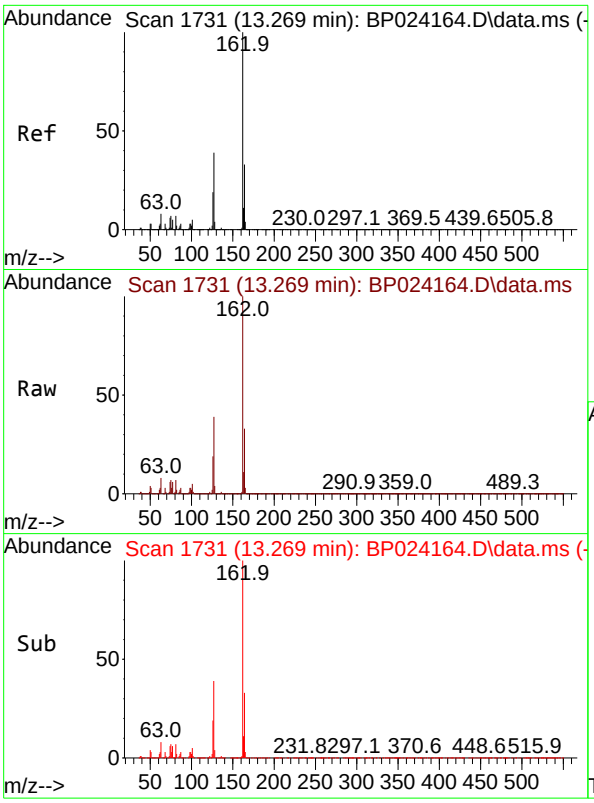


#46
1,1'-Biphenyl
Concen: 37.621 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



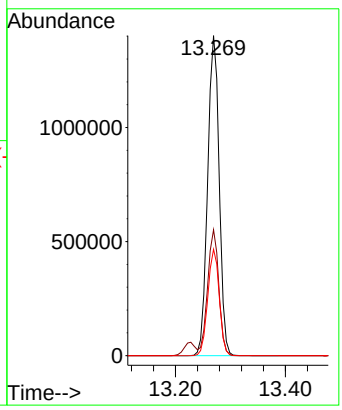


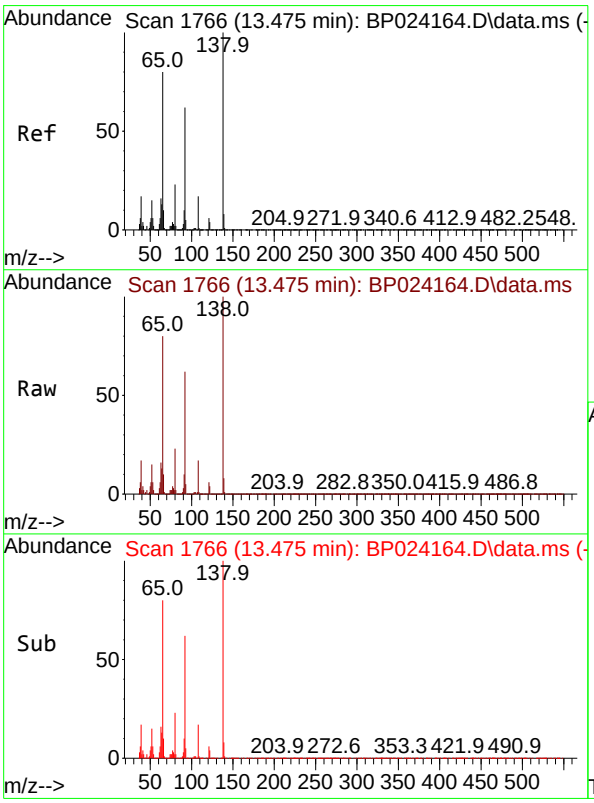
#47
2-Chloronaphthalene
Concen: 37.269 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

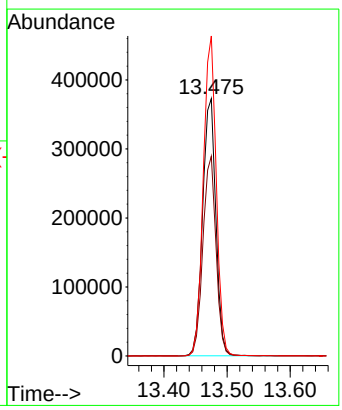


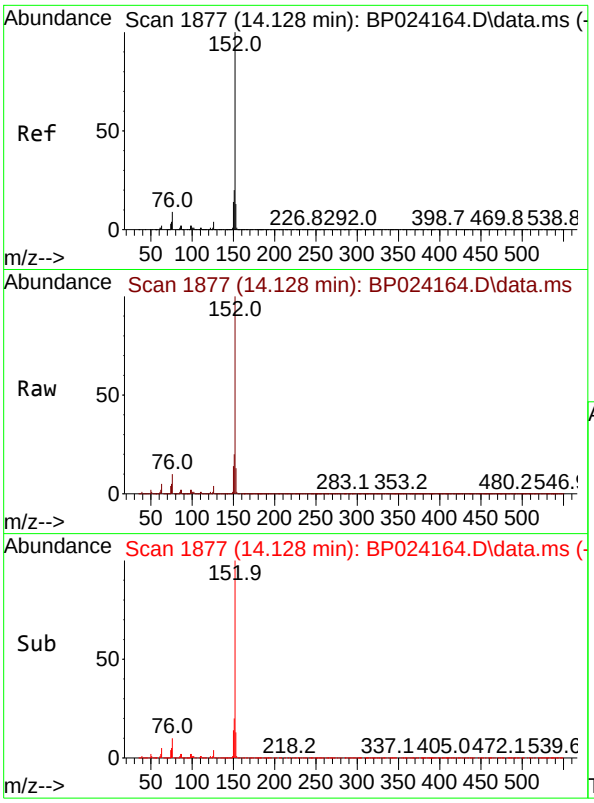


#48
2-Nitroaniline
Concen: 42.085 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



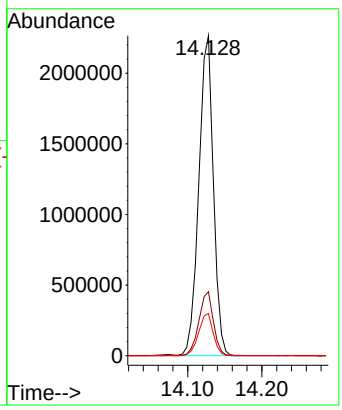


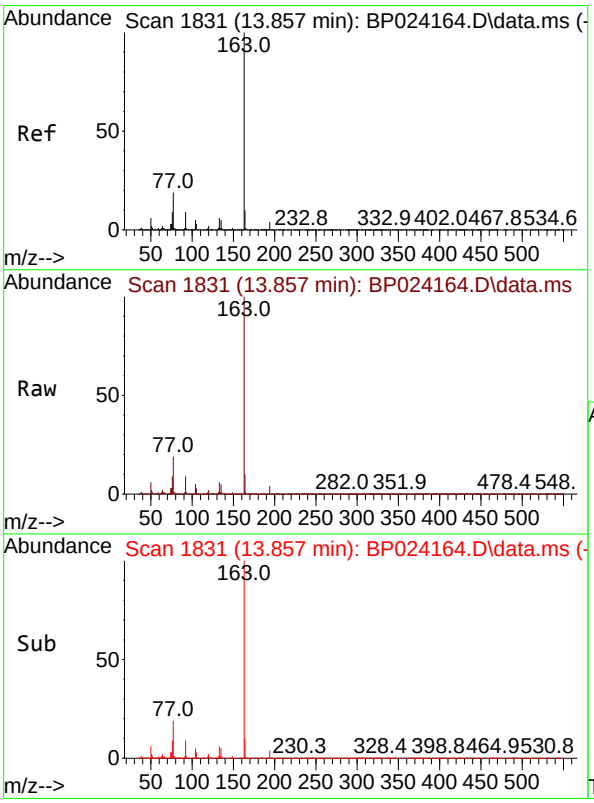
#49
Acenaphthylene
Concen: 38.389 ng
RT: 14.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

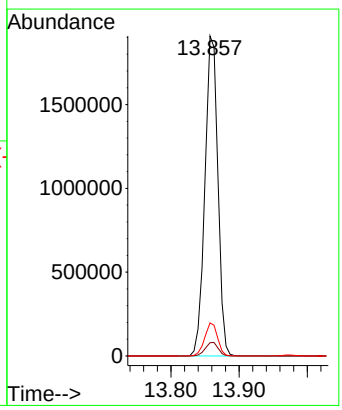


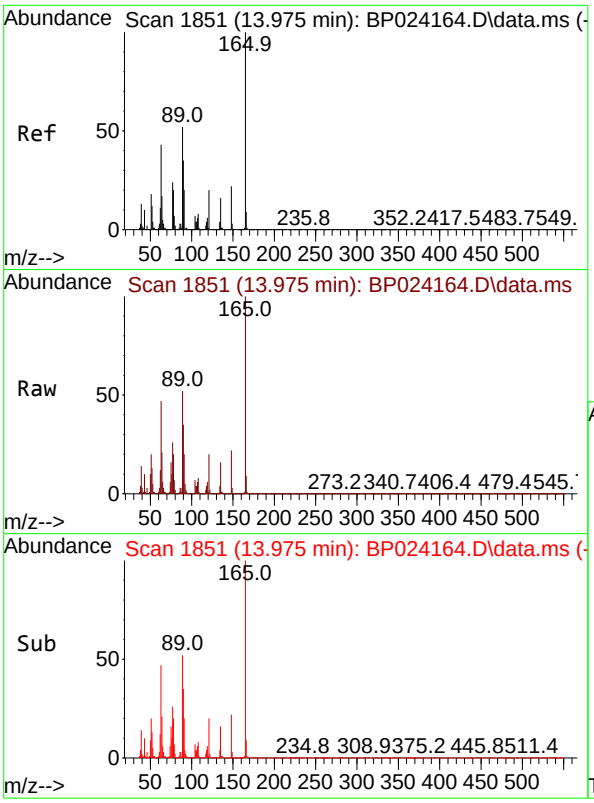


#50
Dimethylphthalate
Concen: 38.493 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



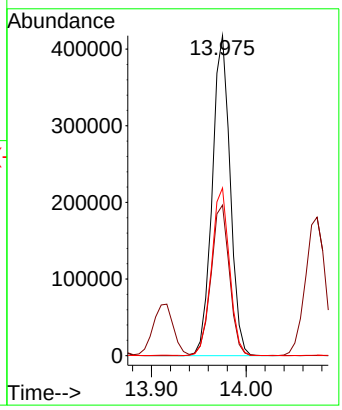


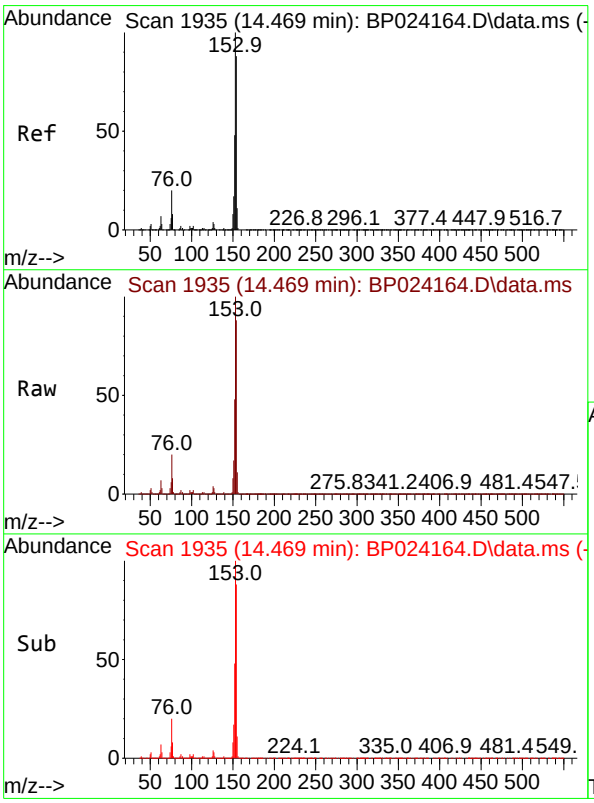
#51
2,6-Dinitrotoluene
Concen: 40.901 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

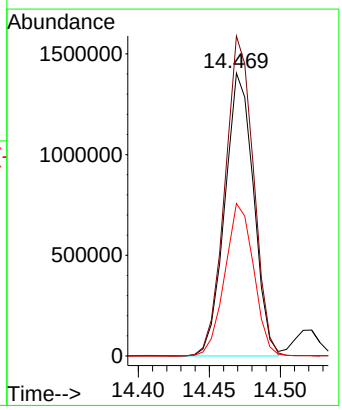


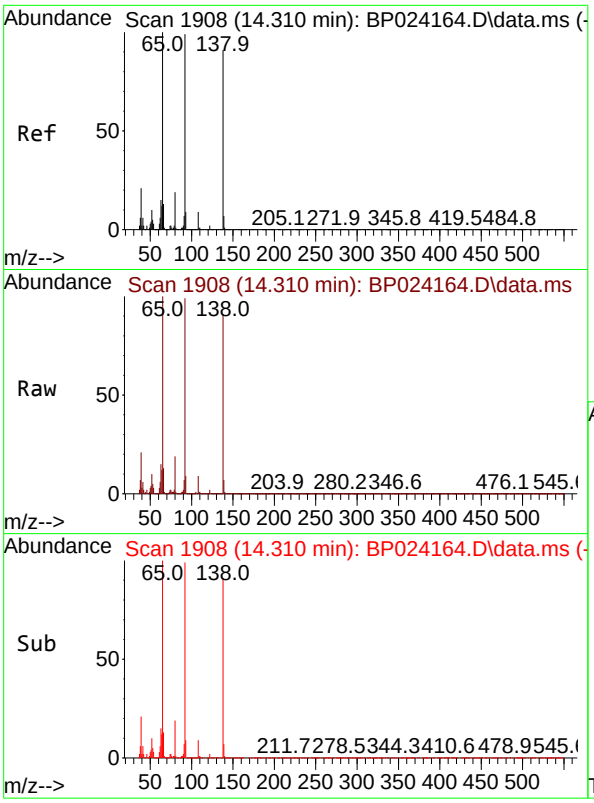


#52
Acenaphthene
Concen: 38.061 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



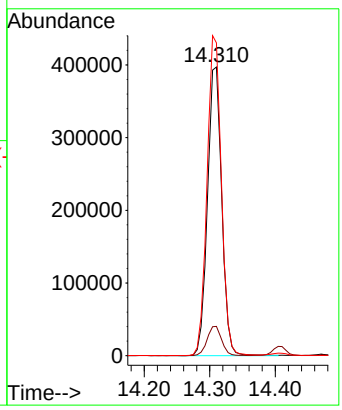


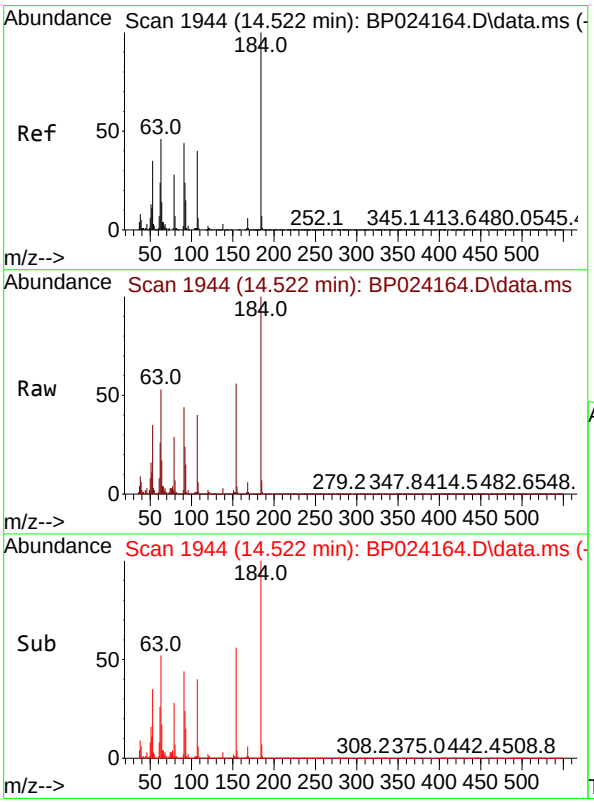
#53
3-Nitroaniline
Concen: 42.038 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

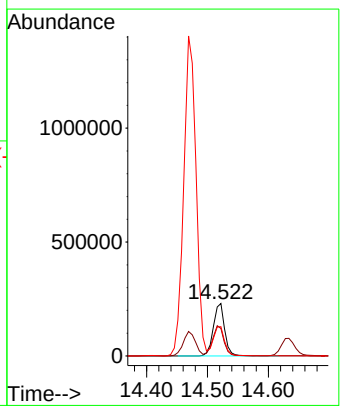


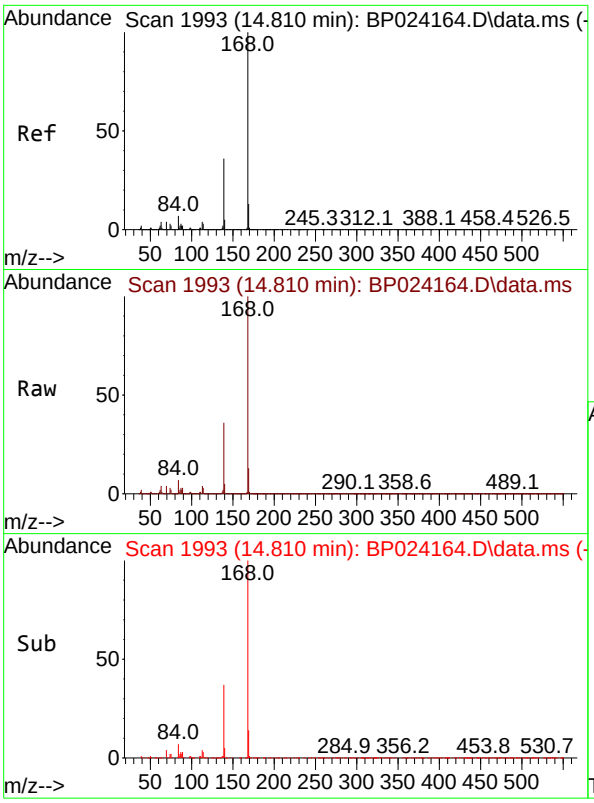


#54
2,4-Dinitrophenol
Concen: 41.760 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



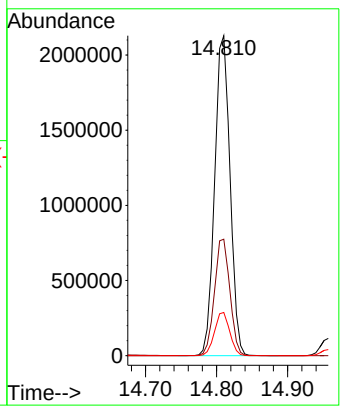


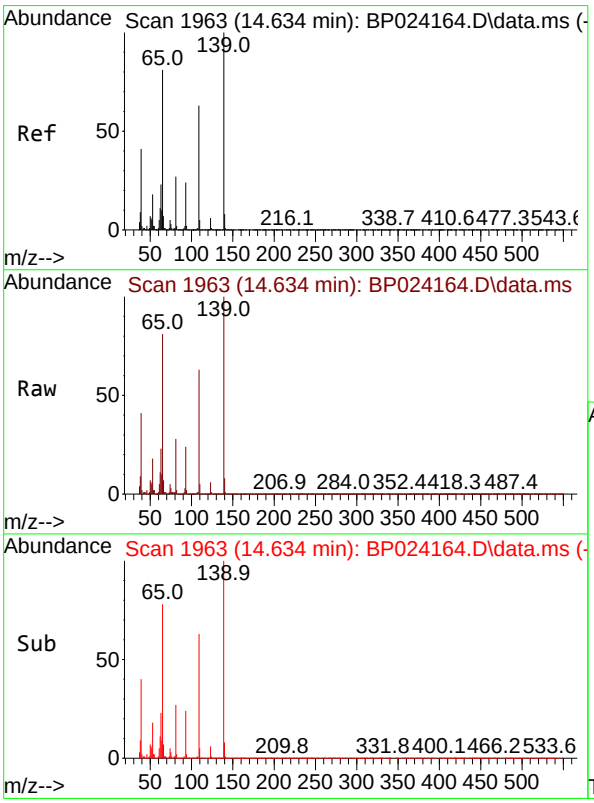
#55
Dibenzofuran
Concen: 37.802 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

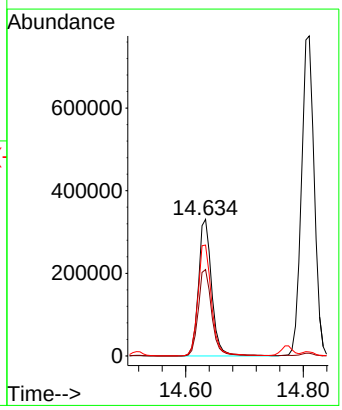


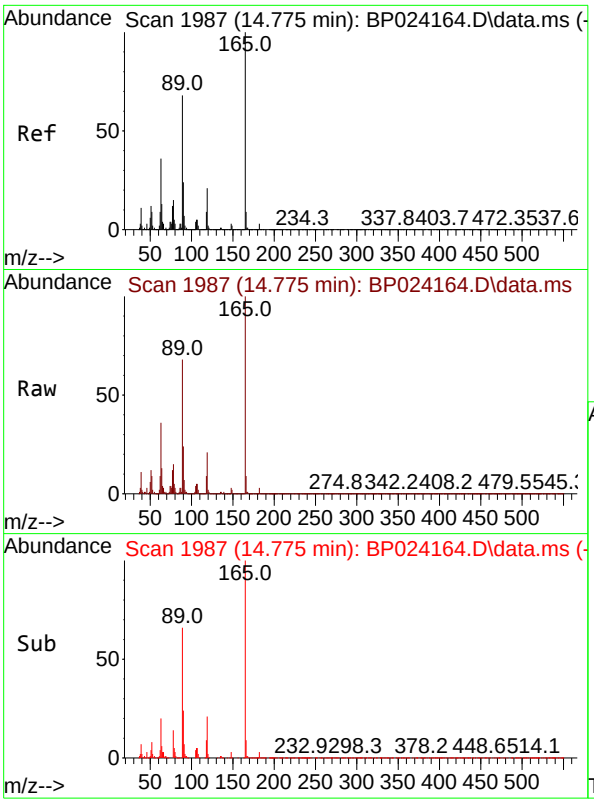


#56
4-Nitrophenol
Concen: 41.811 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



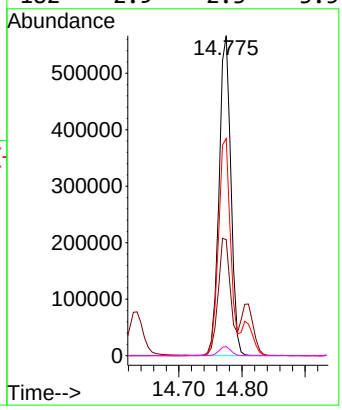


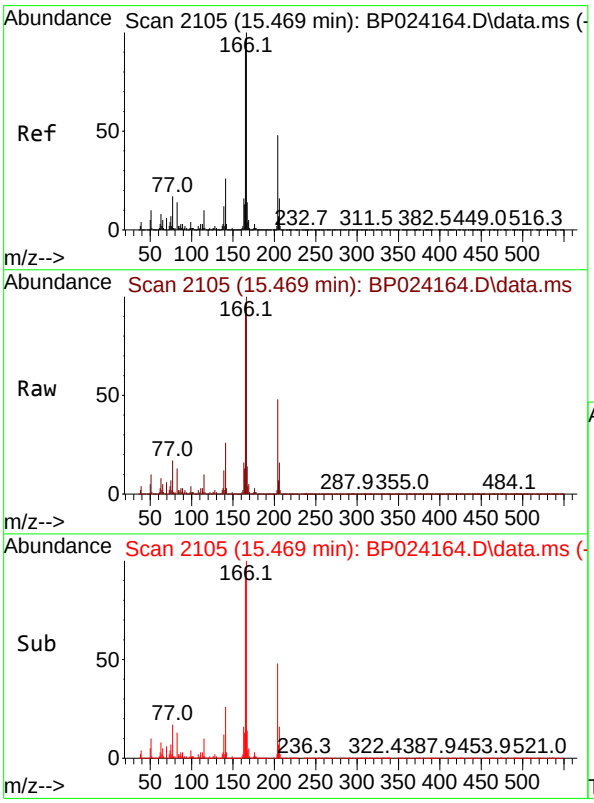
#57
2,4-Dinitrotoluene
Concen: 42.180 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

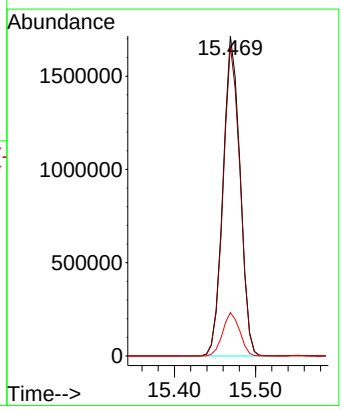


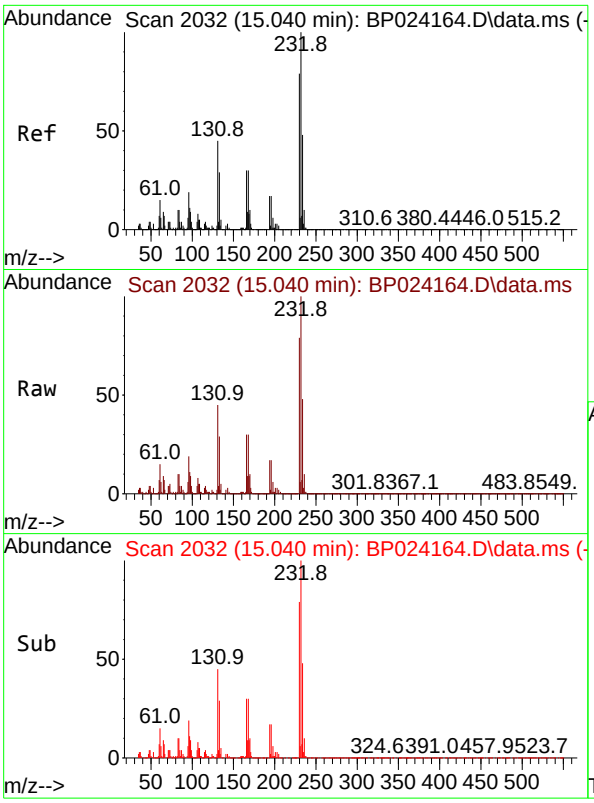


#58
Fluorene
Concen: 38.039 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



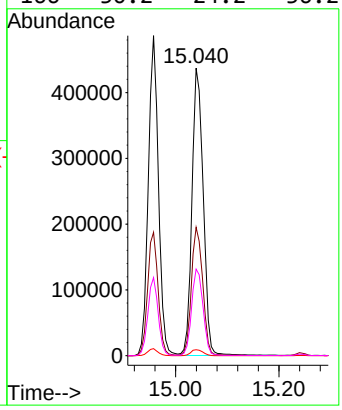


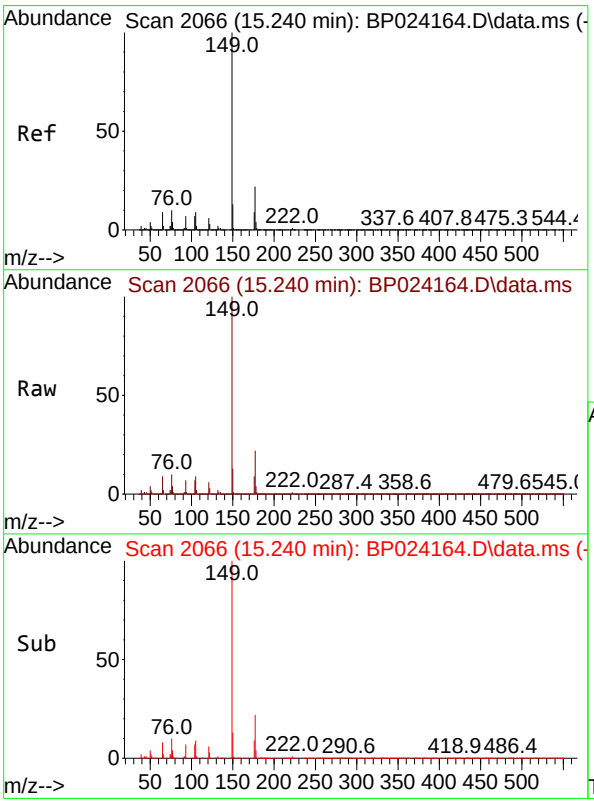
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.068 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

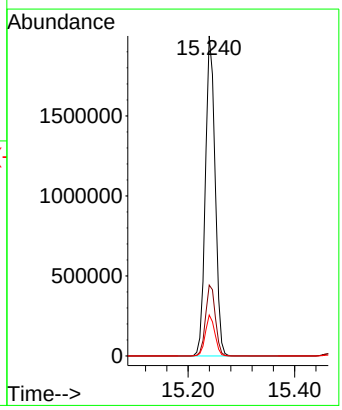


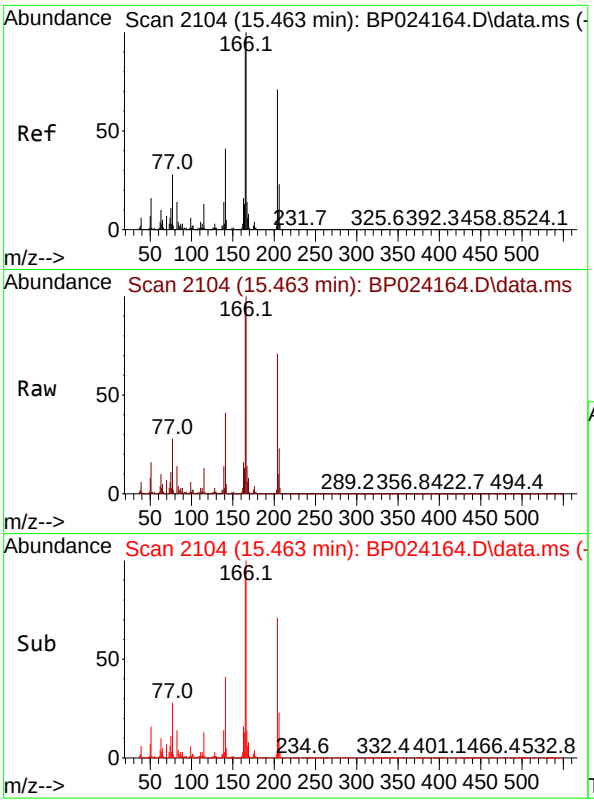


#60
Diethylphthalate
Concen: 38.794 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



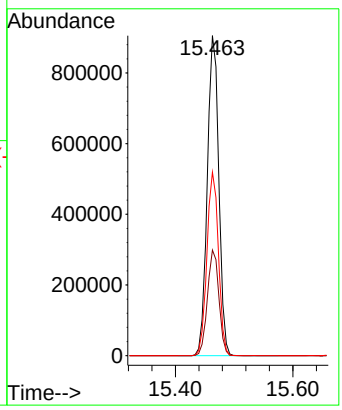


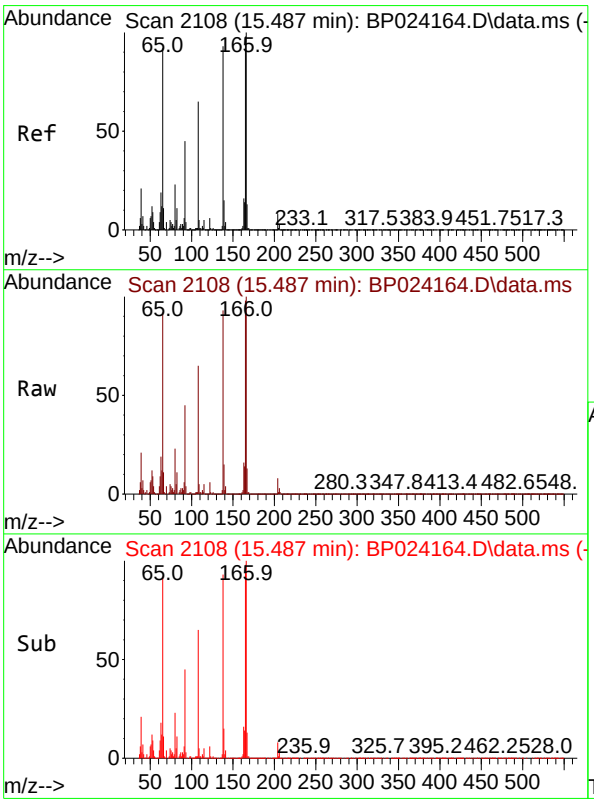
#61
4-Chlorophenyl-phenylether
Concen: 37.829 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

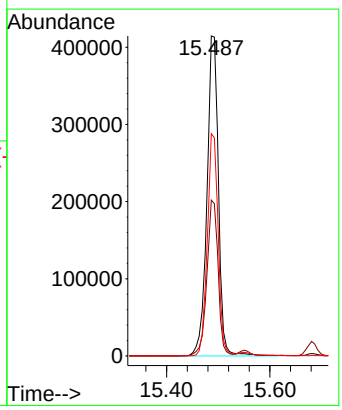


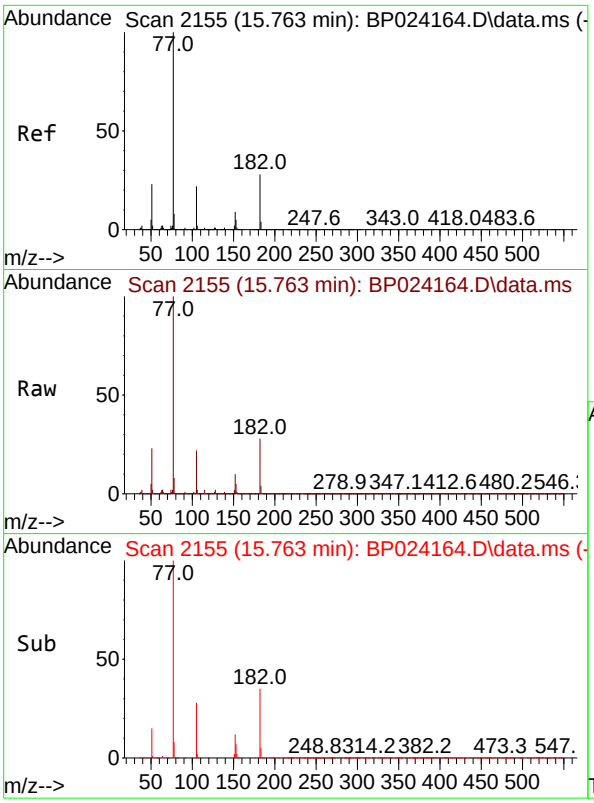


#62
4-Nitroaniline
Concen: 43.134 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



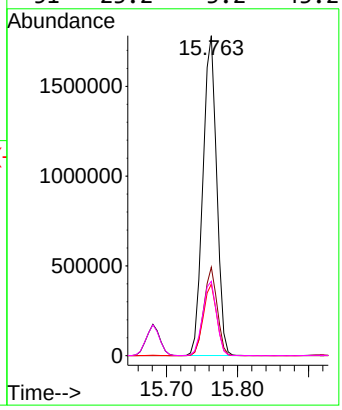


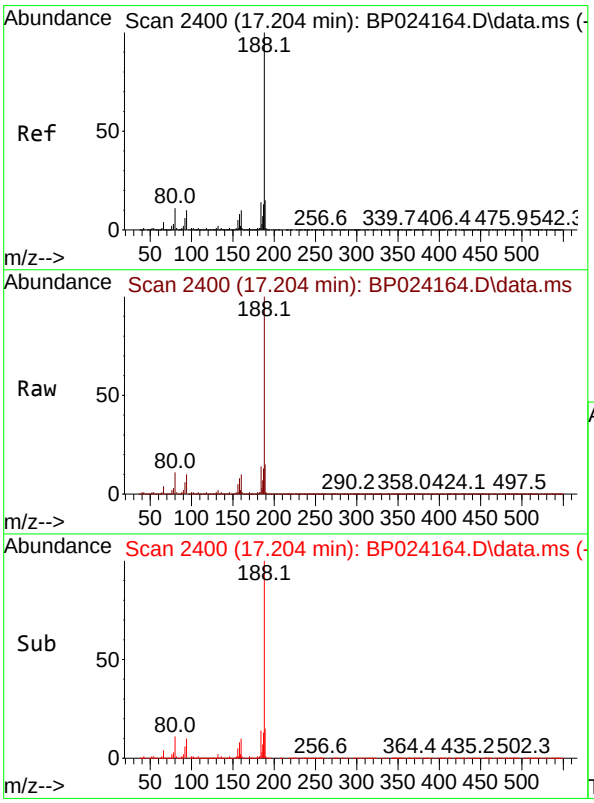
#63
Azobenzene
Concen: 39.335 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

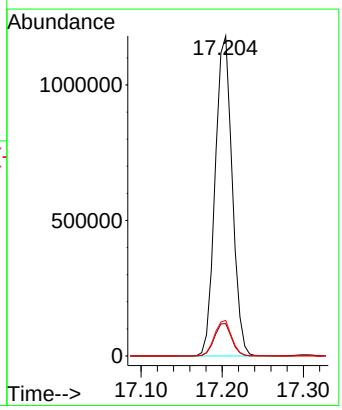


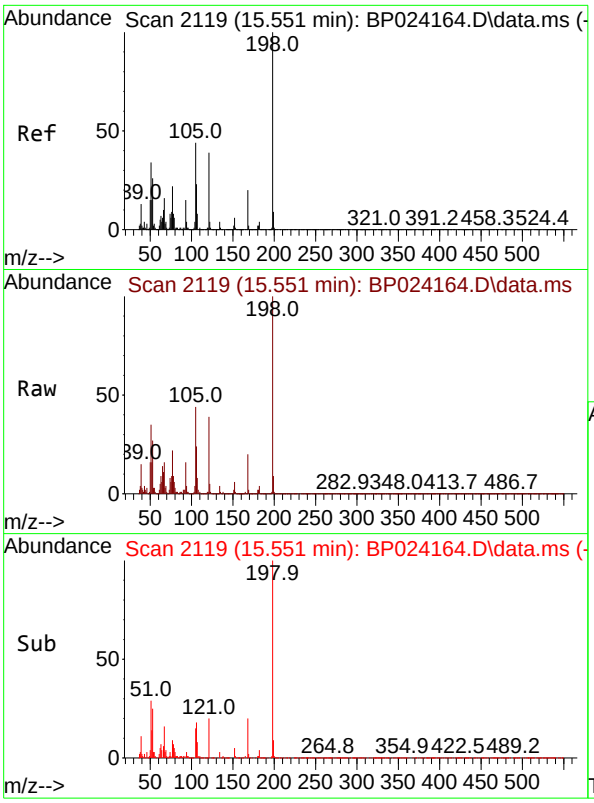


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



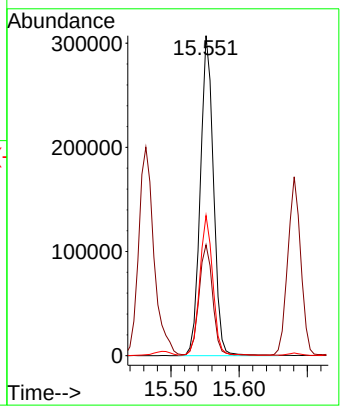


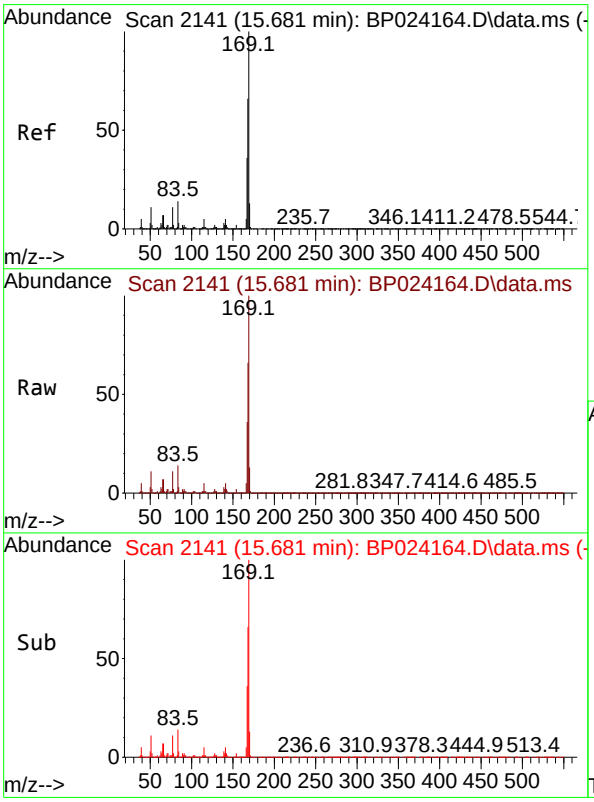
#65
4,6-Dinitro-2-methylphenol
Concen: 41.395 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

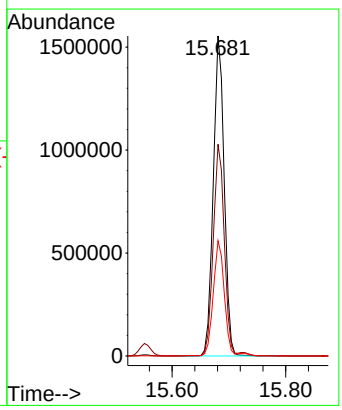


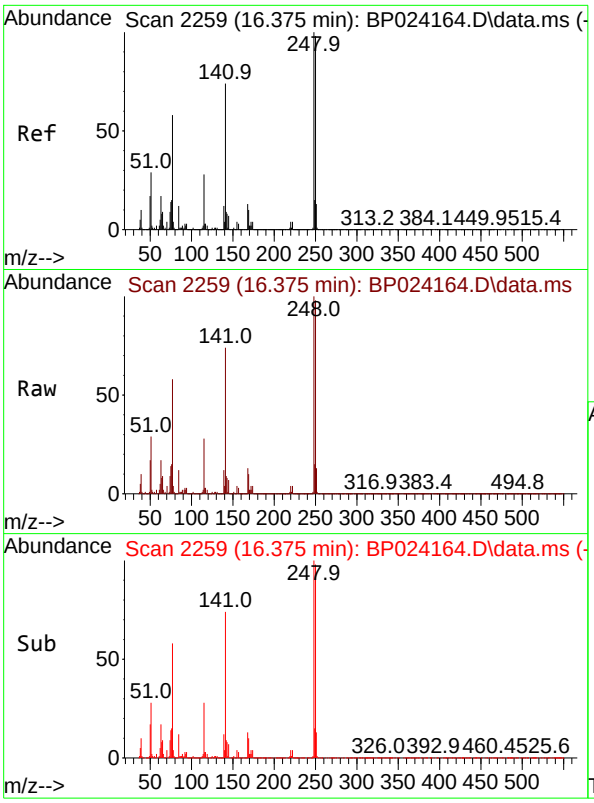


#66
n-Nitrosodiphenylamine
Concen: 38.450 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



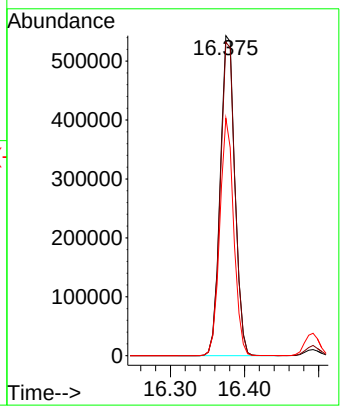


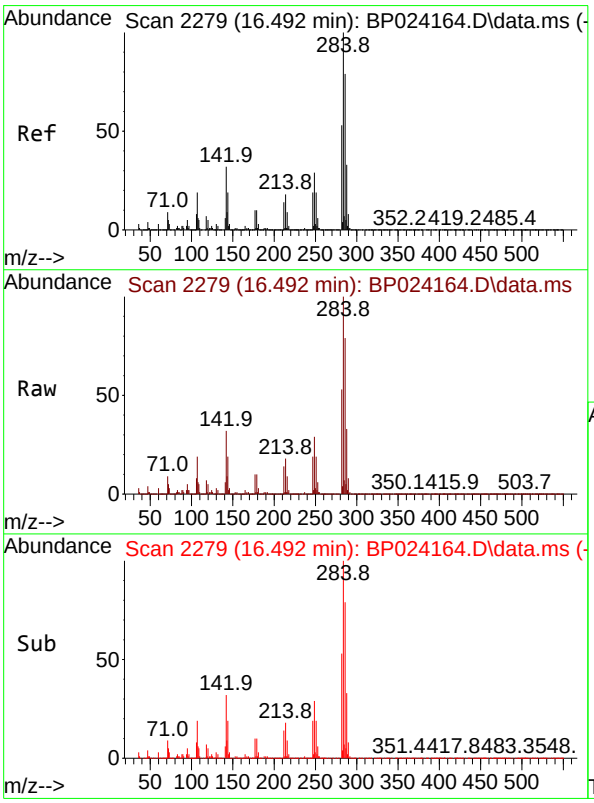
#67
4-Bromophenyl-phenylether
Concen: 38.570 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

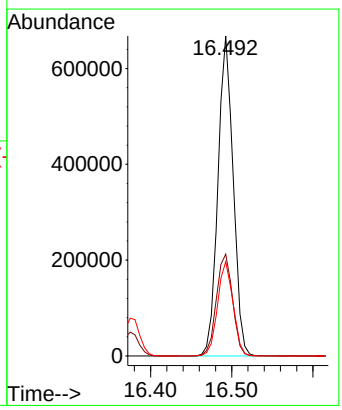


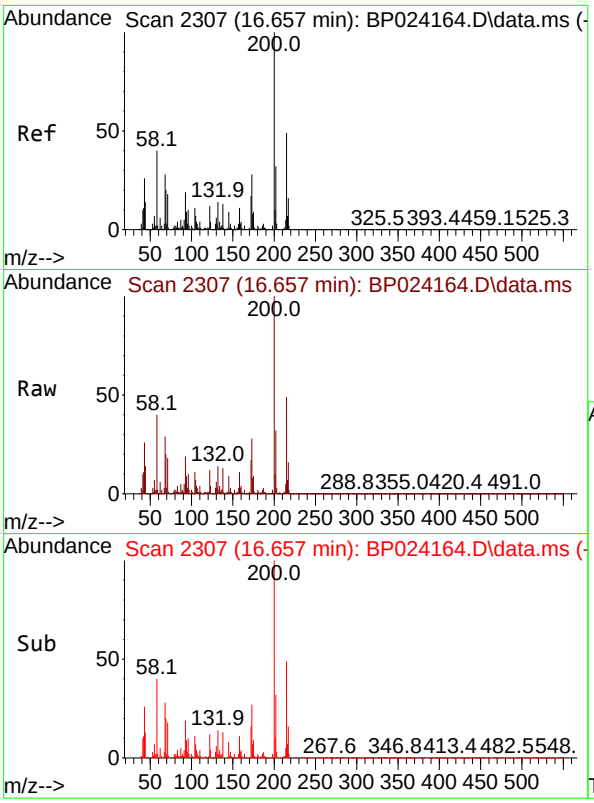


#68
Hexachlorobenzene
Concen: 38.435 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



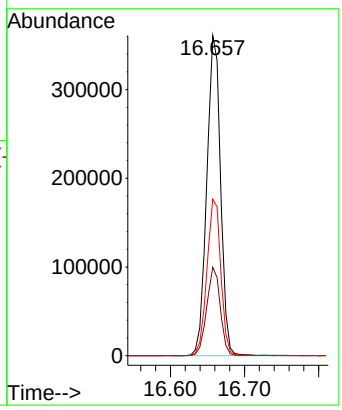


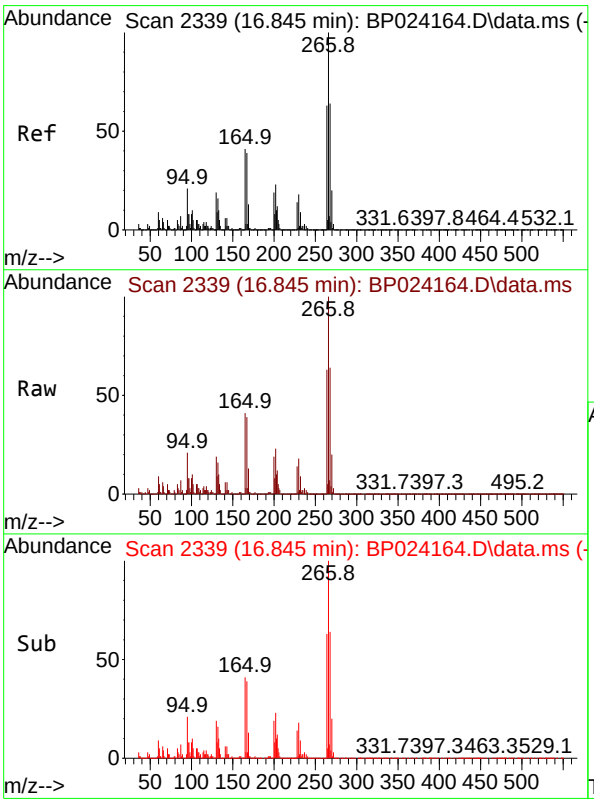
#69
Atrazine
Concen: 33.855 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

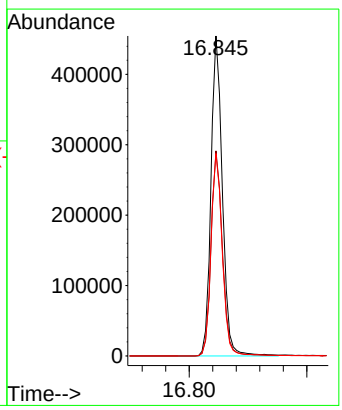


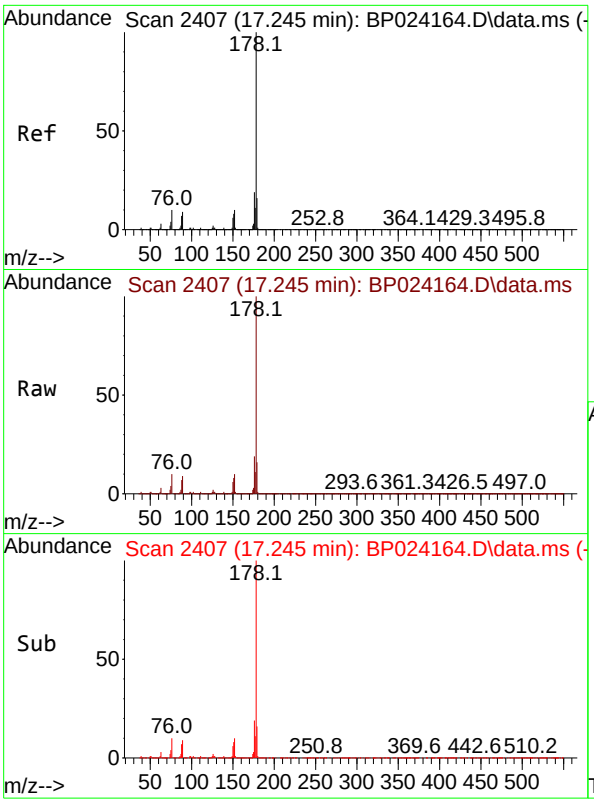


#70
Pentachlorophenol
Concen: 41.352 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



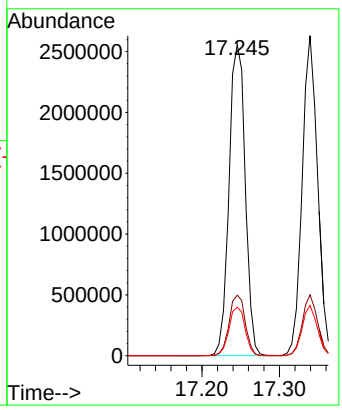


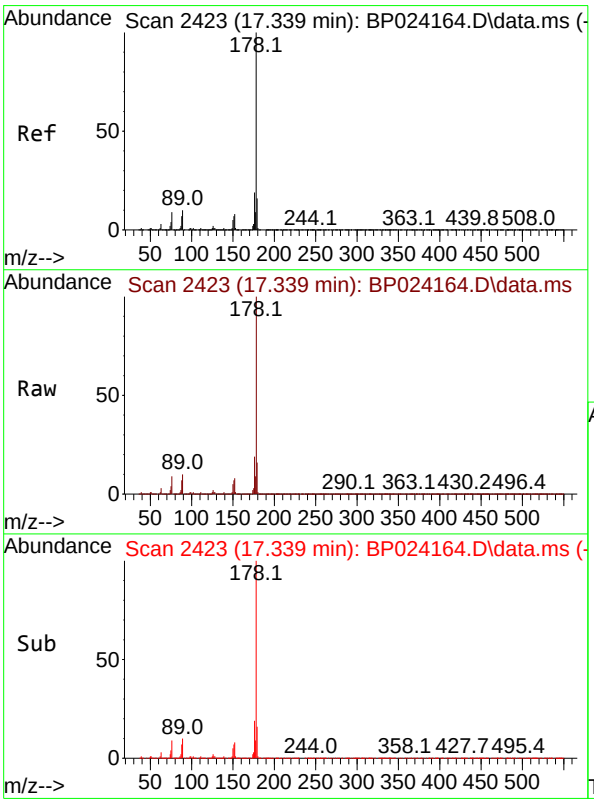
#71
Phenanthrene
Concen: 38.414 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

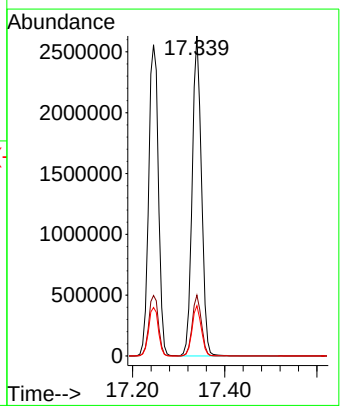


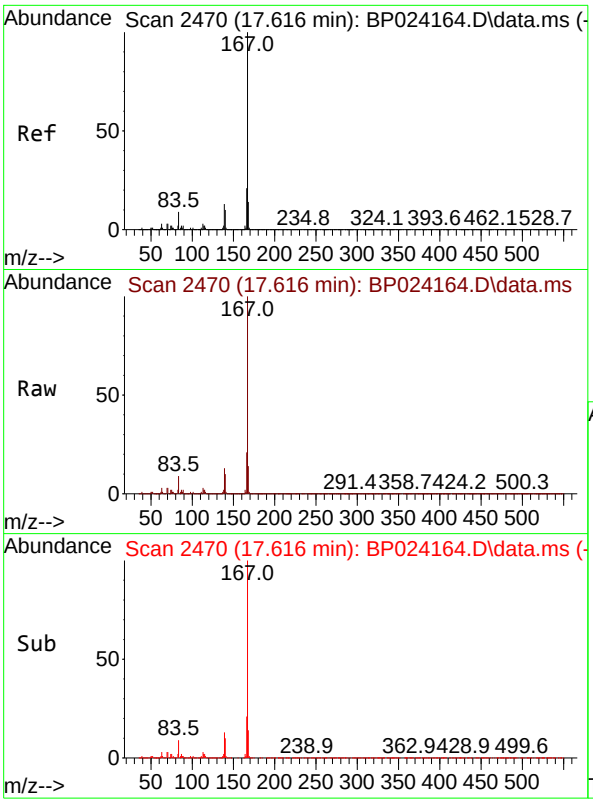


#72
Anthracene
Concen: 39.344 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



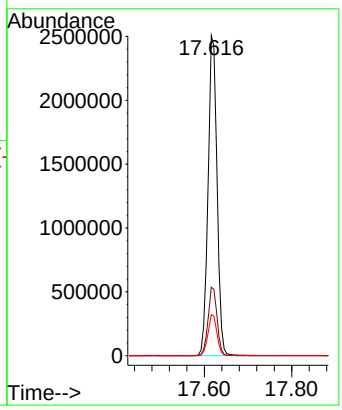


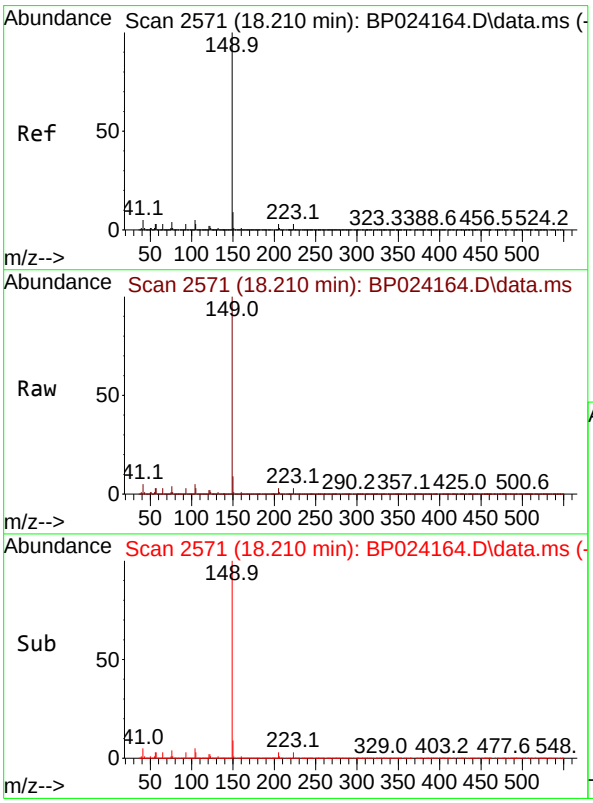
#73
Carbazole
Concen: 40.463 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

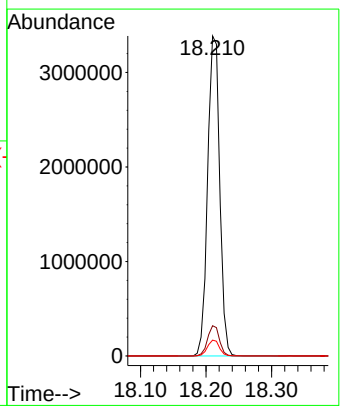


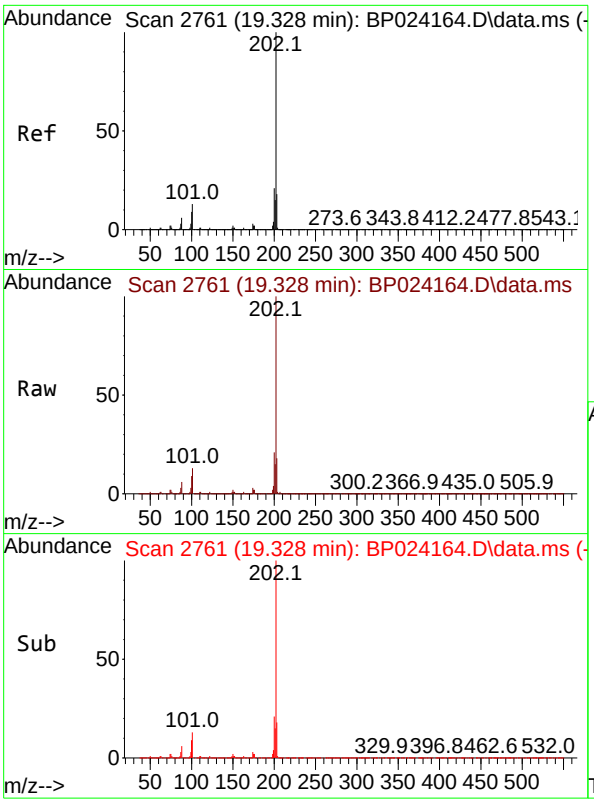


#74
Di-n-butylphthalate
Concen: 41.958 ng
RT: 18.210 min Scan# 2571
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



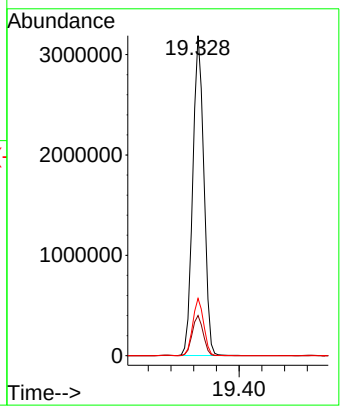


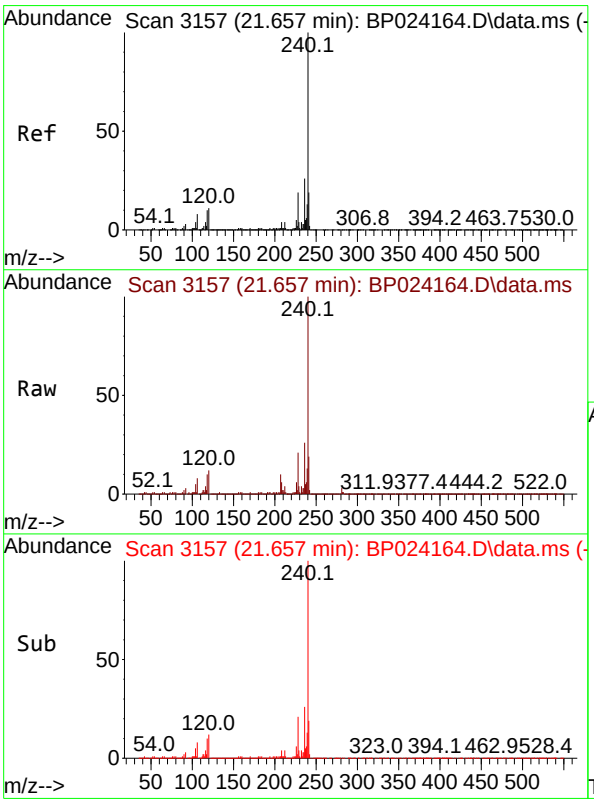
#75
Fluoranthene
Concen: 39.636 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

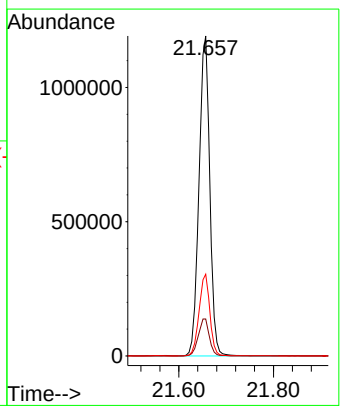


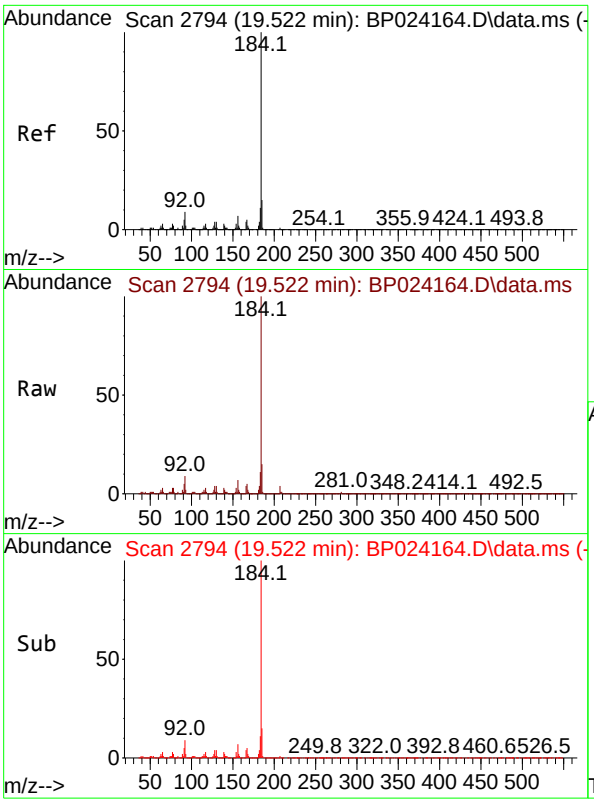


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



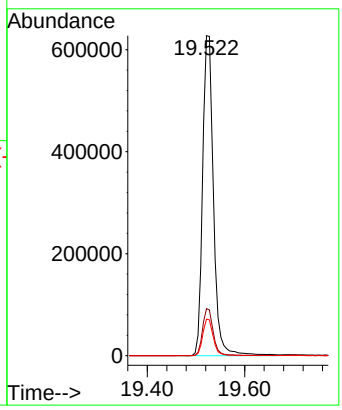


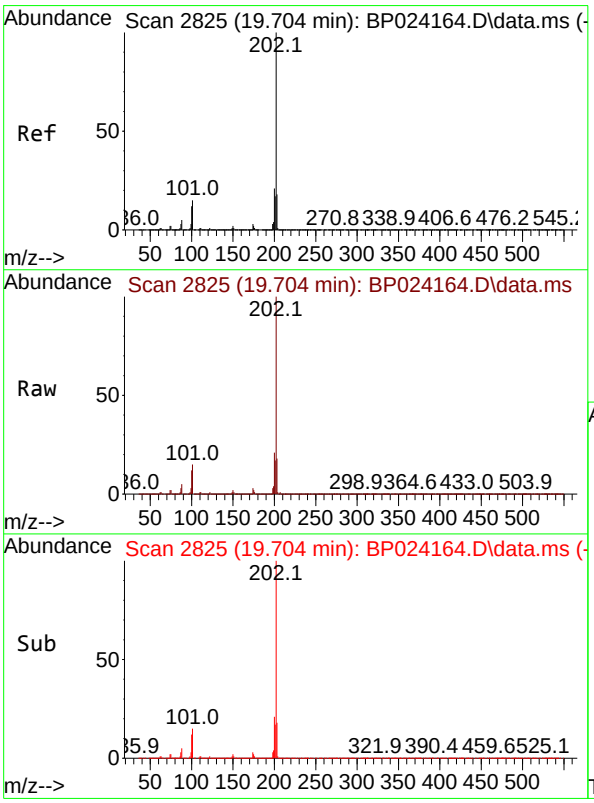
#77
Benzidine
Concen: 42.268 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

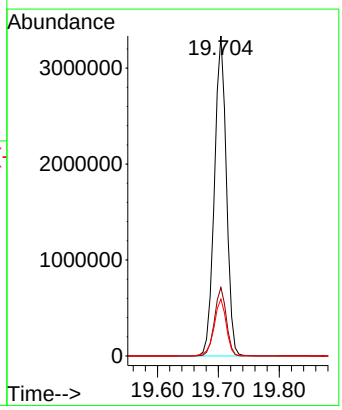


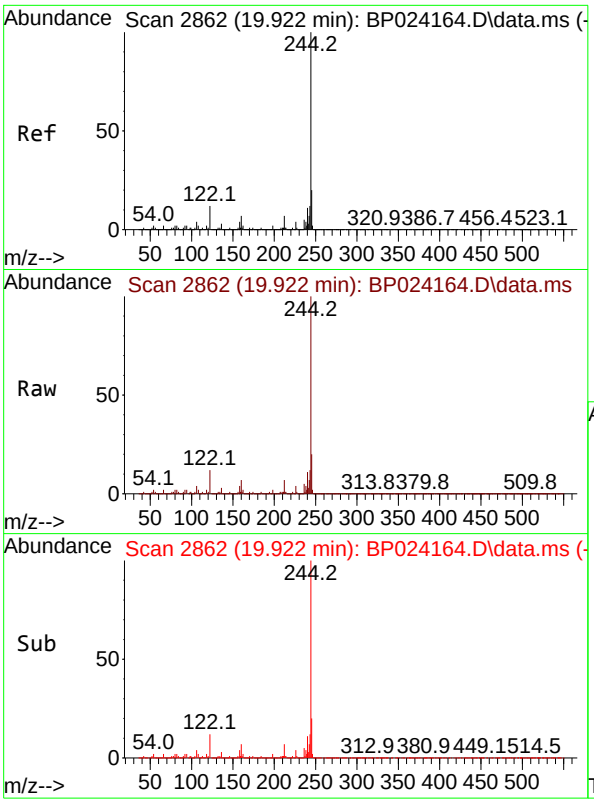


#78
Pyrene
Concen: 37.911 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



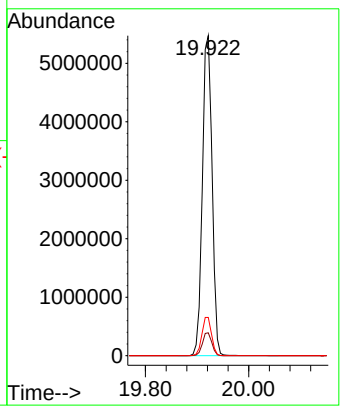


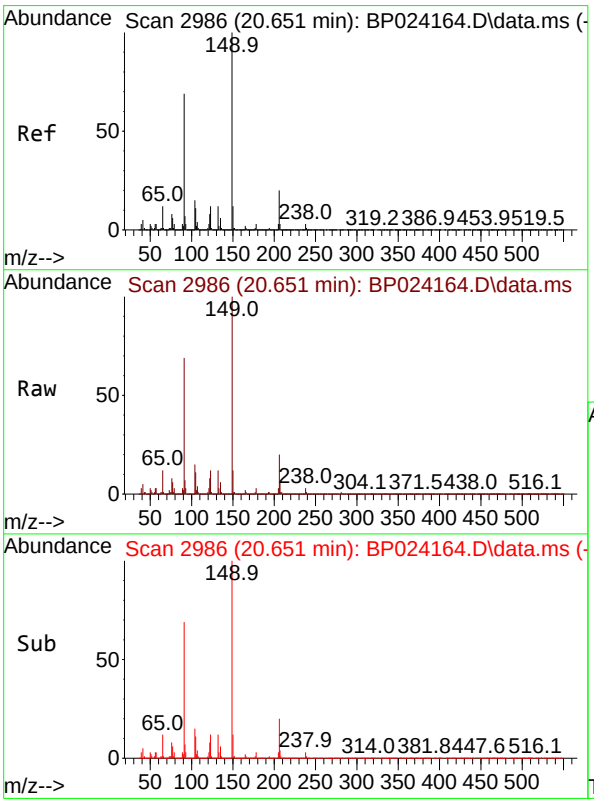
#79
Terphenyl-d14
Concen: 75.038 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

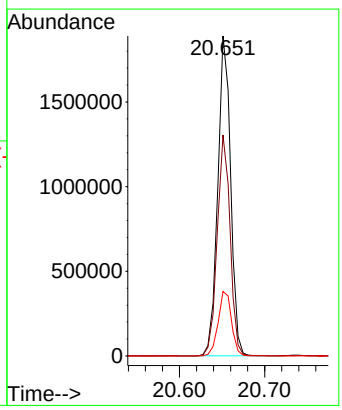


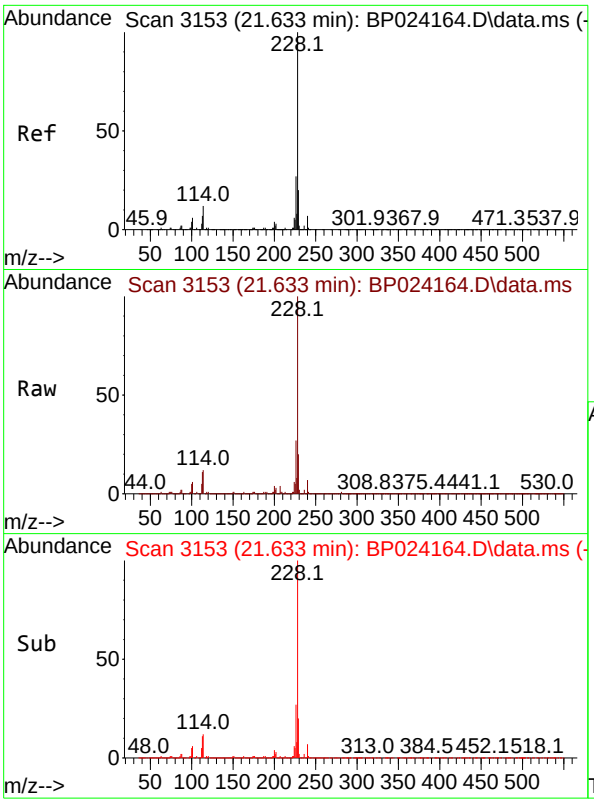


#80
Butylbenzylphthalate
Concen: 43.087 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



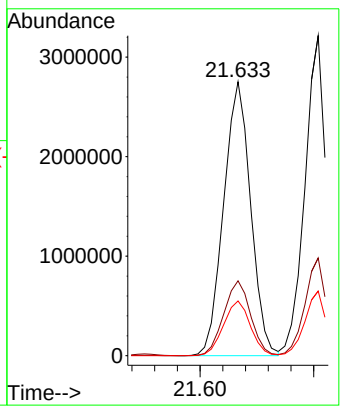


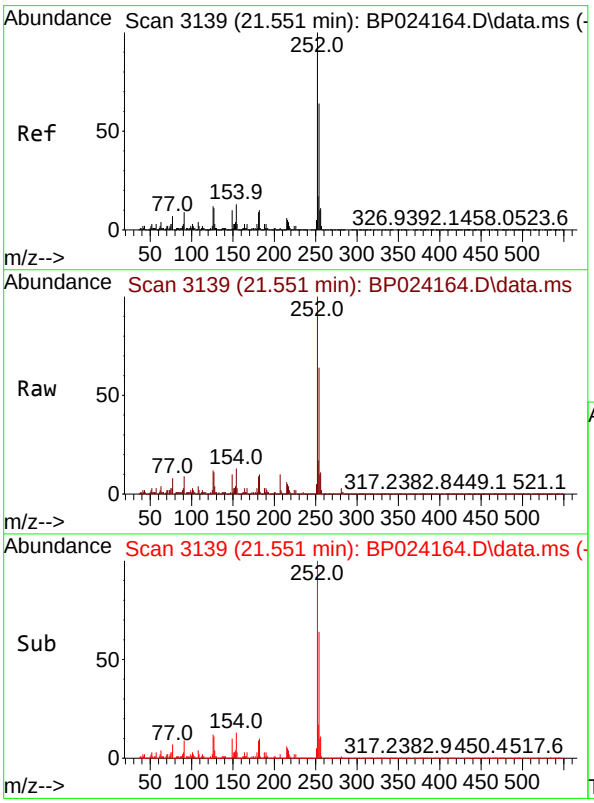
#81
Benzo(a)anthracene
Concen: 38.542 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

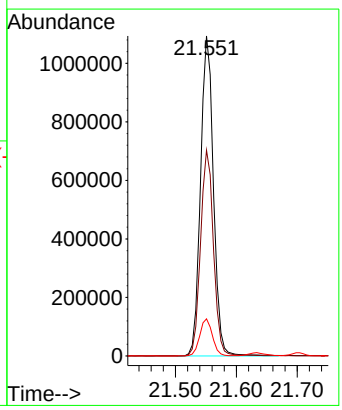


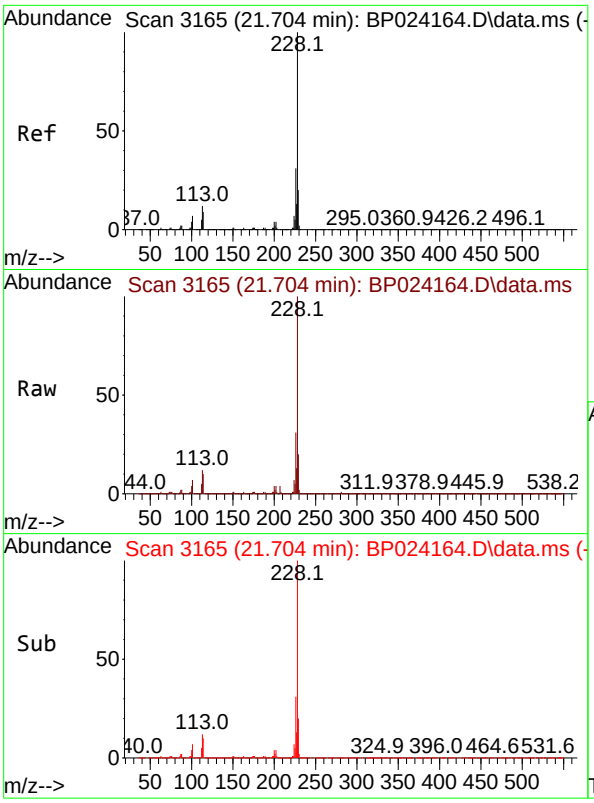


#82
3,3'-Dichlorobenzidine
Concen: 43.694 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



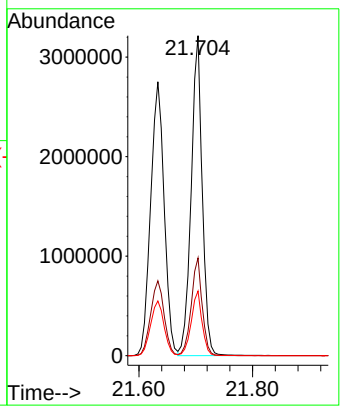


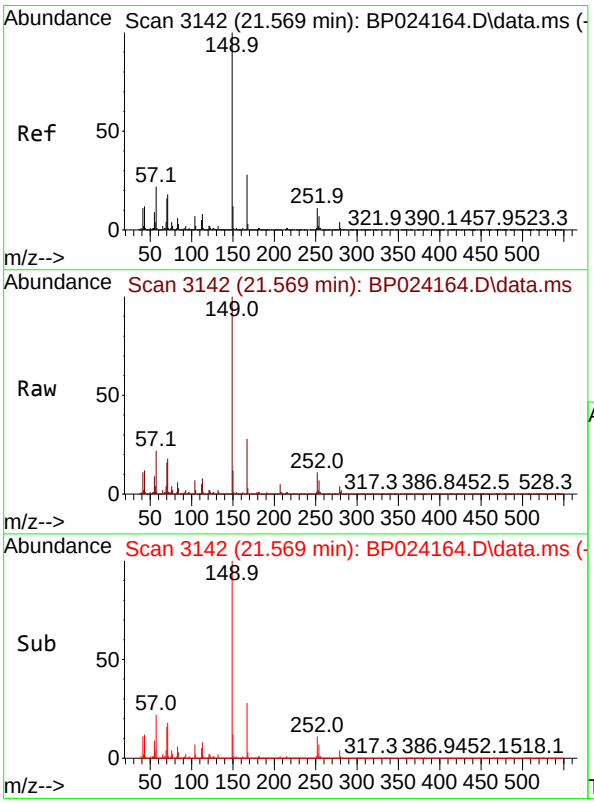
#83
Chrysene
Concen: 38.298 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

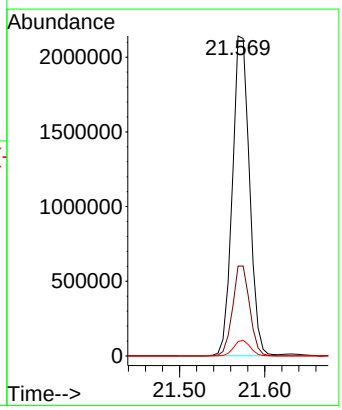


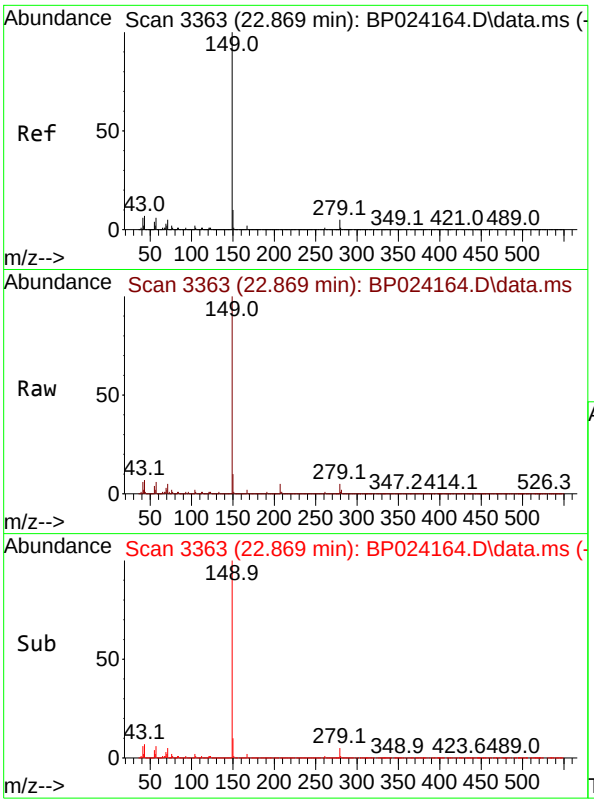


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.929 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



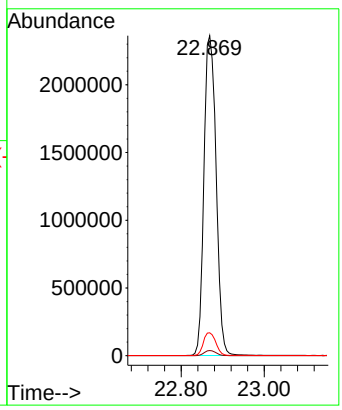


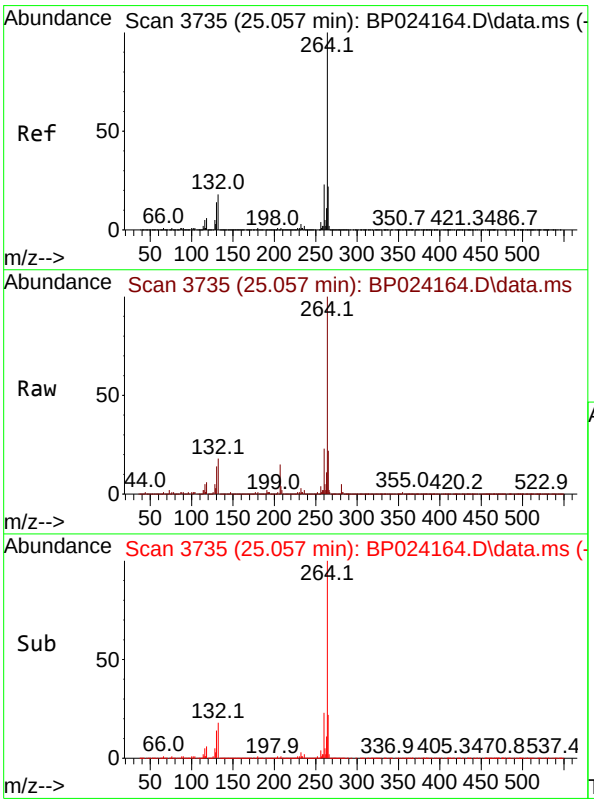
#85
Di-n-octyl phthalate
Concen: 43.129 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

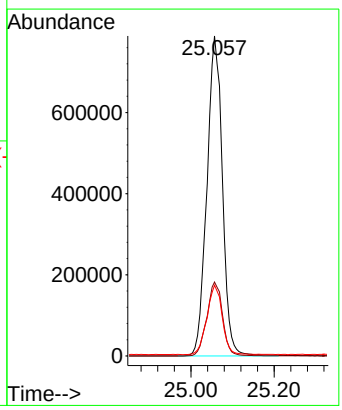


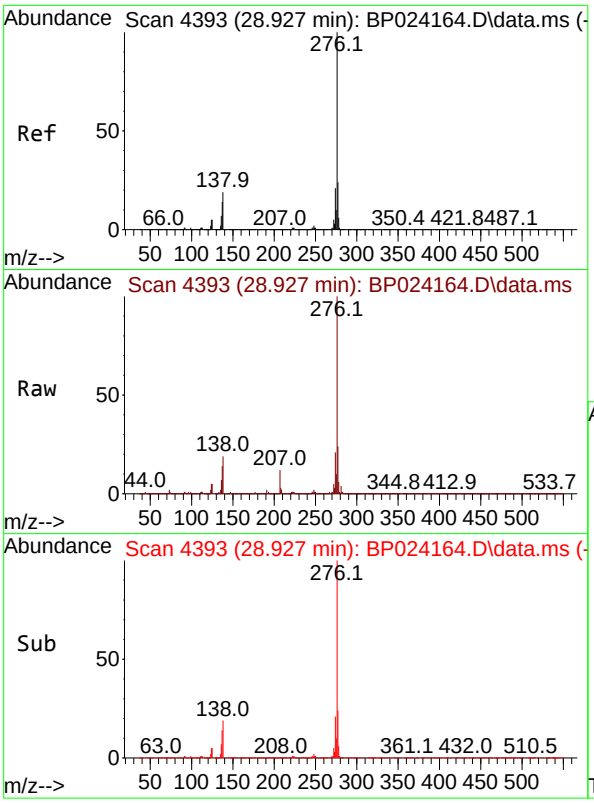


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



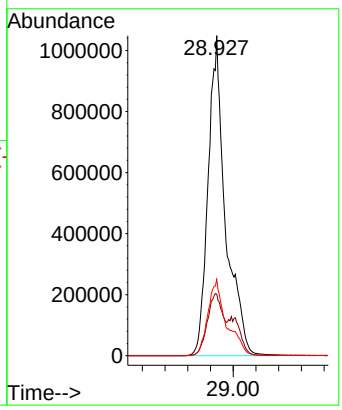


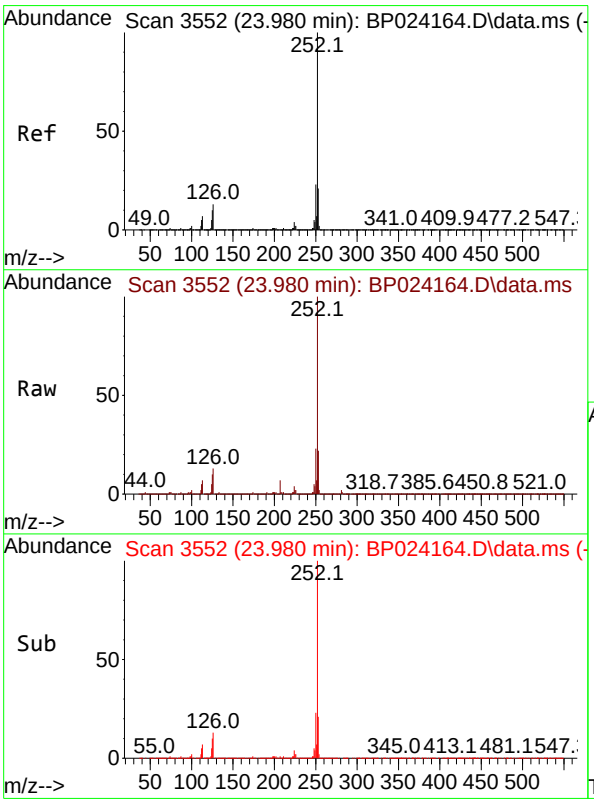
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.410 ng
RT: 28.927 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

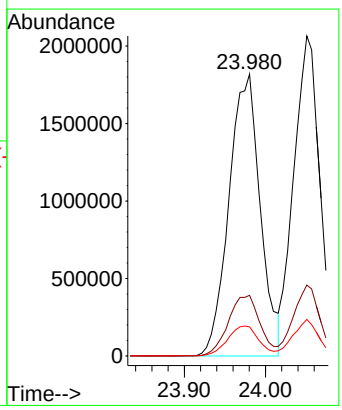


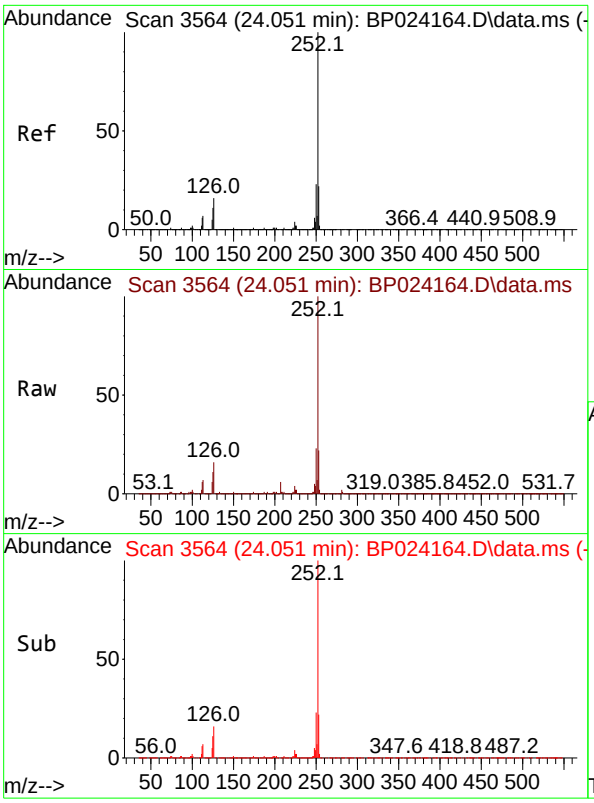


#88
Benzo(b)fluoranthene
Concen: 37.490 ng
RT: 23.980 min Scan# 3552
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



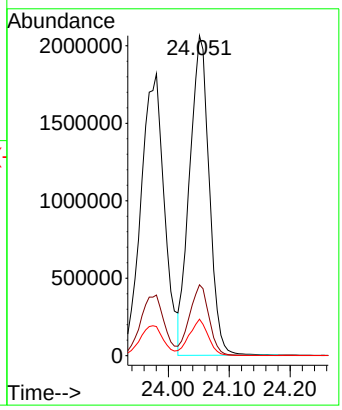


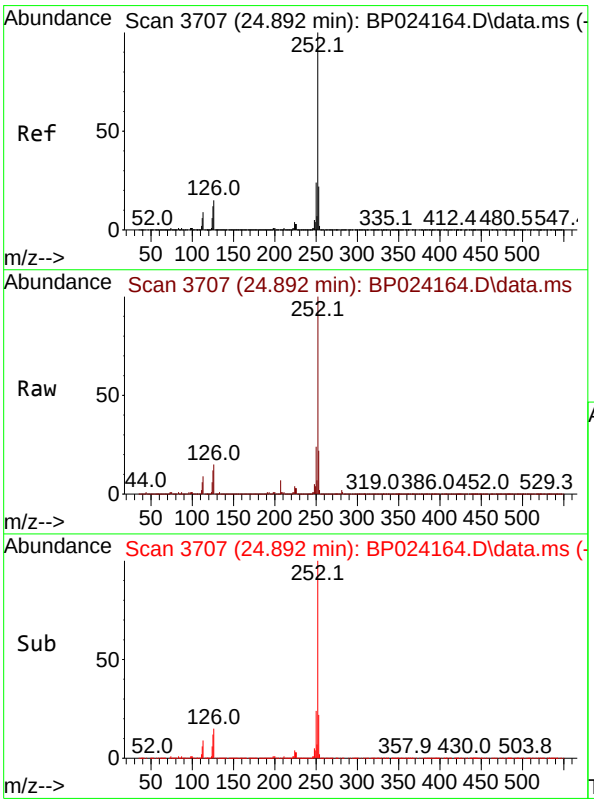
#89
Benzo(k)fluoranthene
Concen: 36.566 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

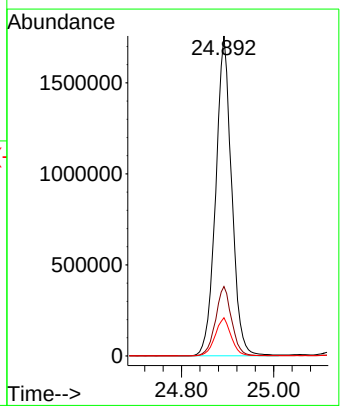


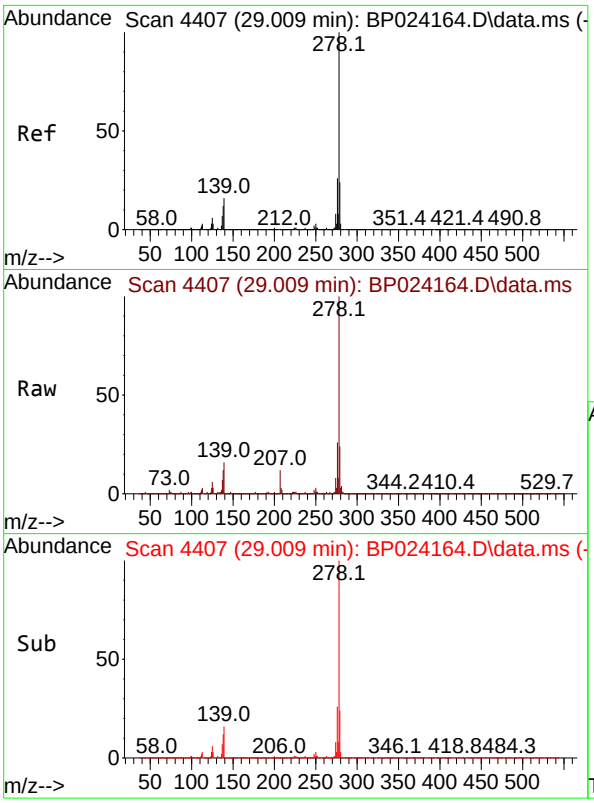


#90
Benzo(a)pyrene
Concen: 38.180 ng
RT: 24.892 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



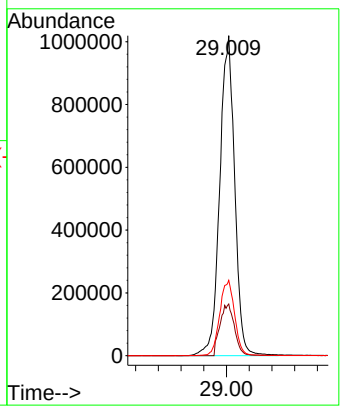


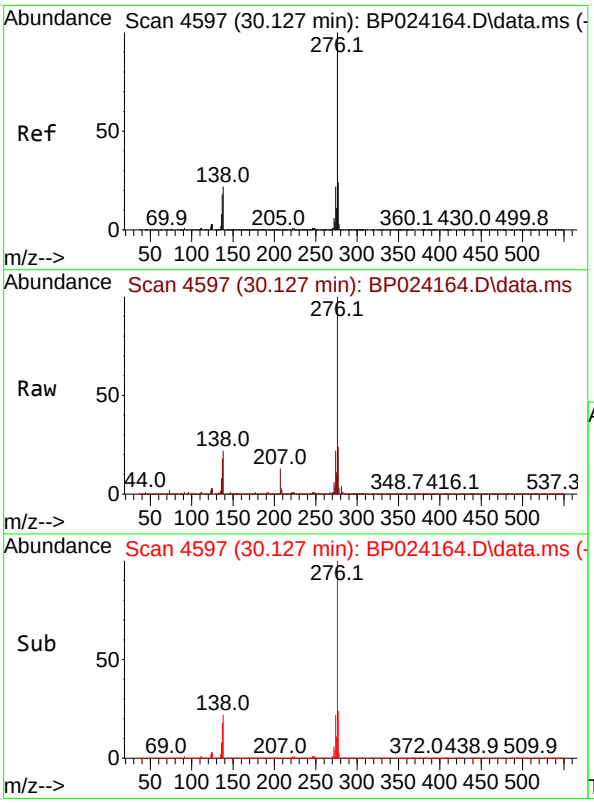
#91
Dibenzo(a,h)anthracene
Concen: 38.014 ng
RT: 29.009 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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

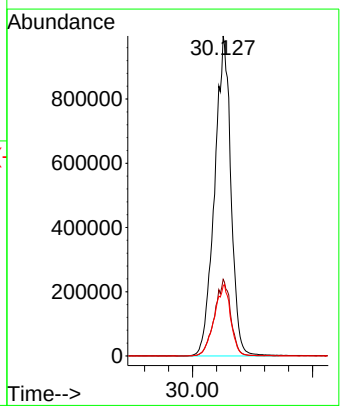




#92
Benzo(g,h,i)perylene
Concen: 38.011 ng
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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



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

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

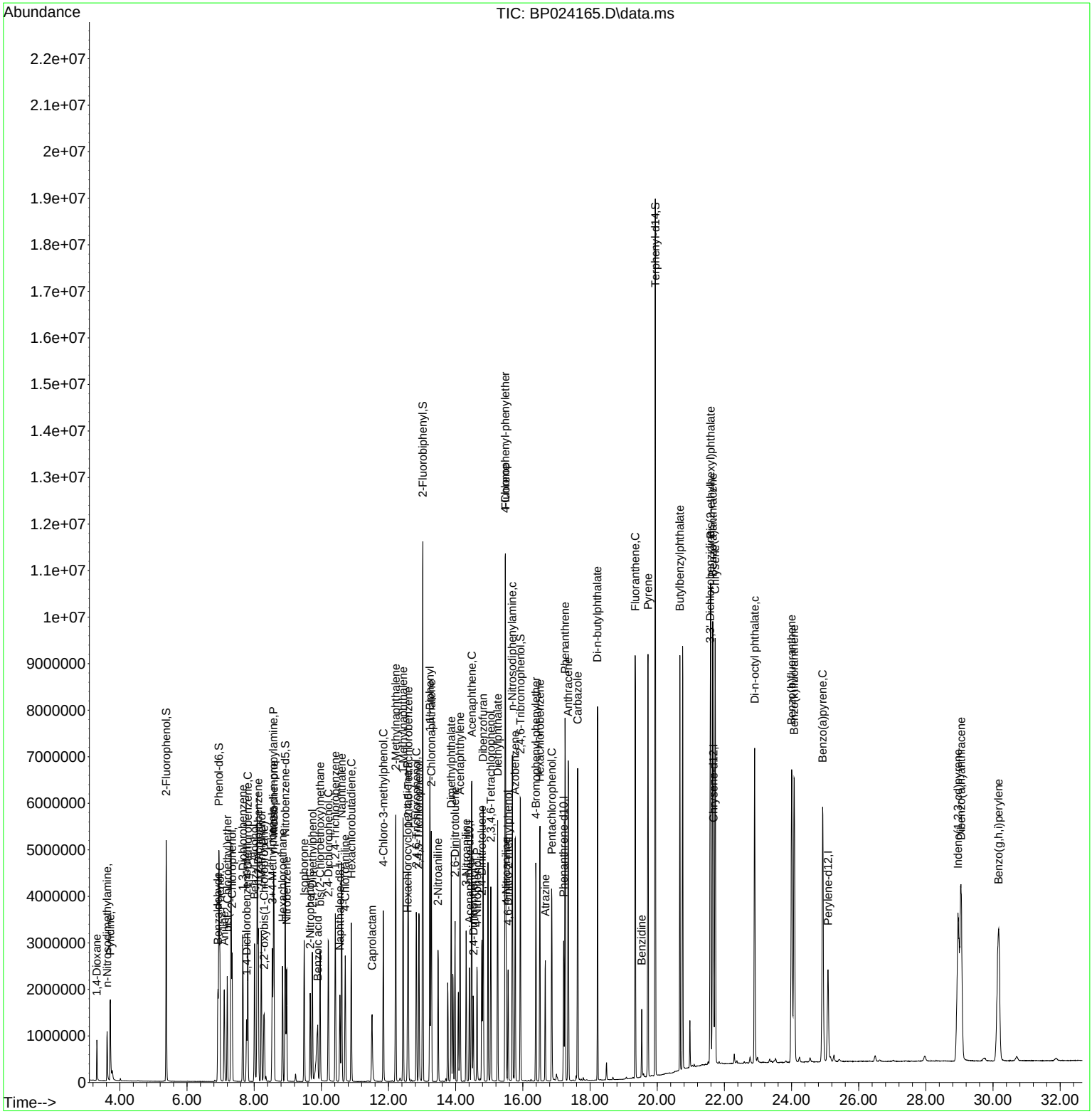
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	969372	51.517	ng	99
46) 1,1'-Biphenyl	13.234	154	3427883	48.043	ng	100
47) 2-Chloronaphthalene	13.275	162	2559098	47.446	ng	99
48) 2-Nitroaniline	13.475	65	714343	56.066	ng	97
49) Acenaphthylene	14.128	152	4015684	50.533	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

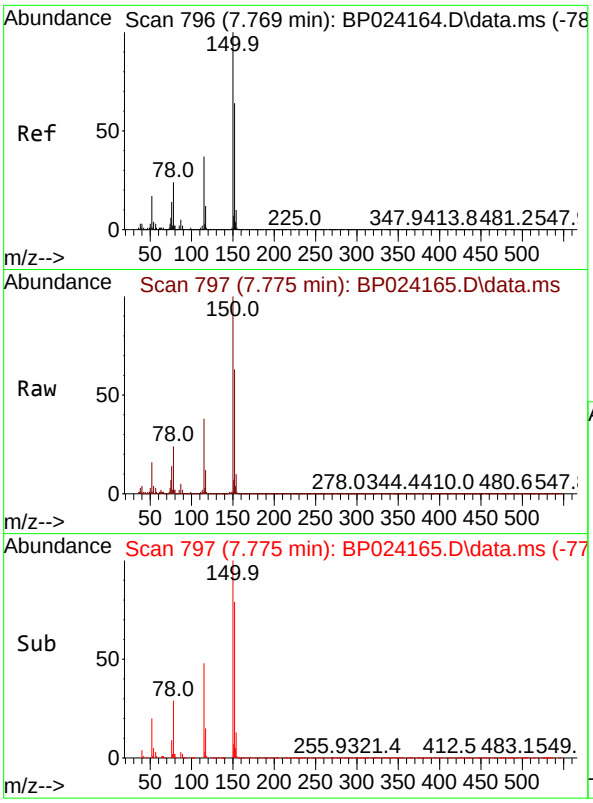
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



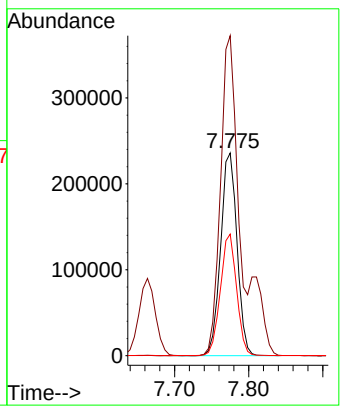


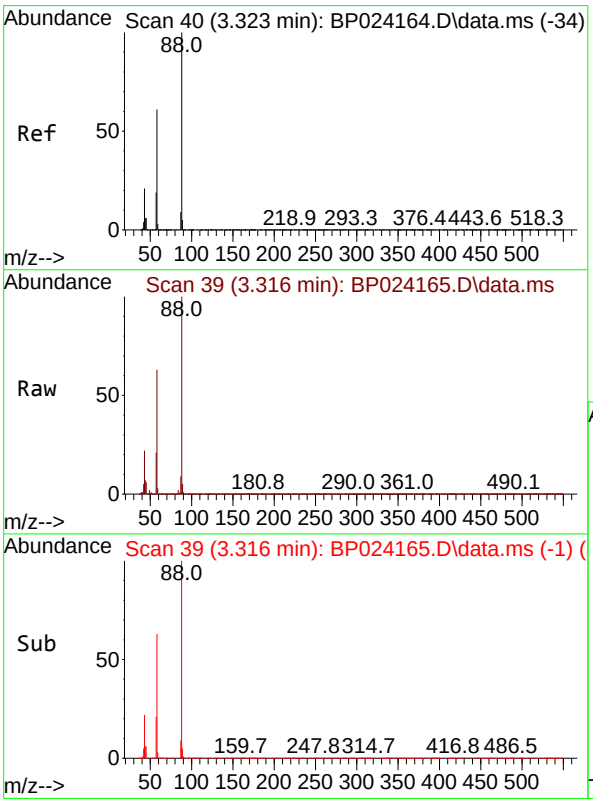
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

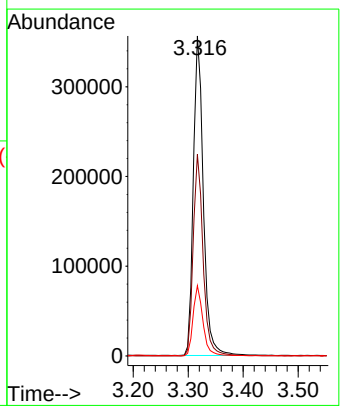


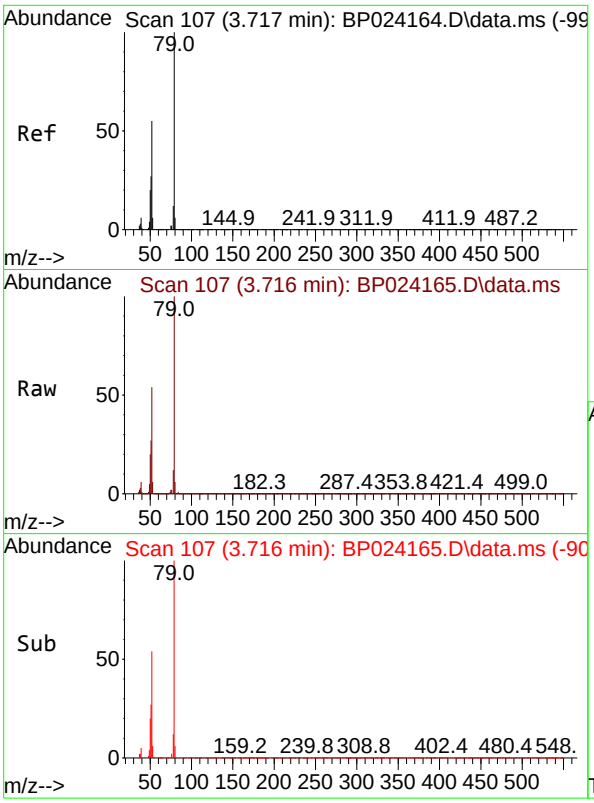


#2
1,4-Dioxane
Concen: 49.365 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



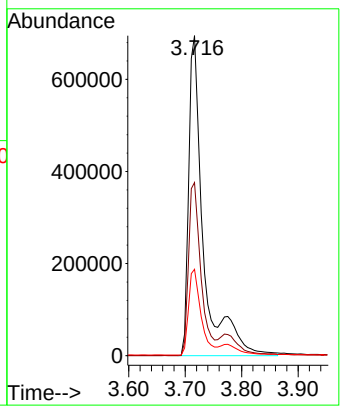


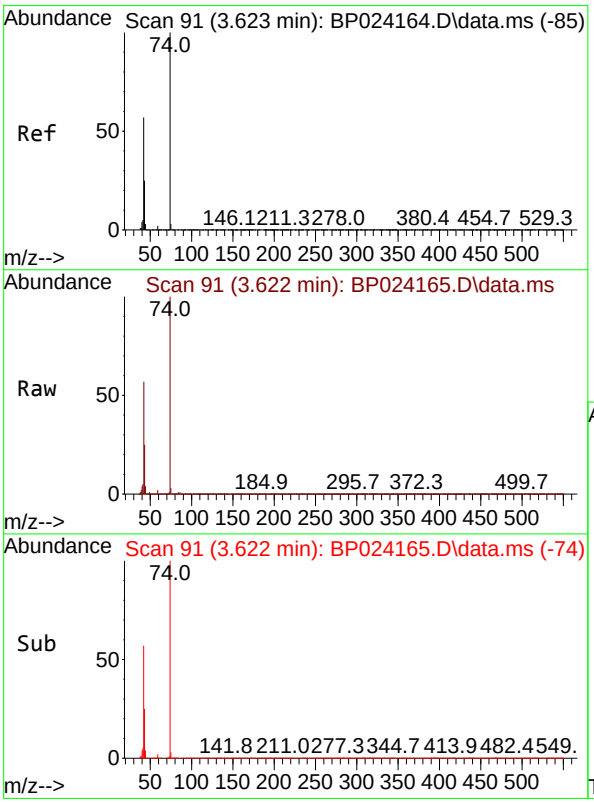
#3
Pyridine
Concen: 53.398 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

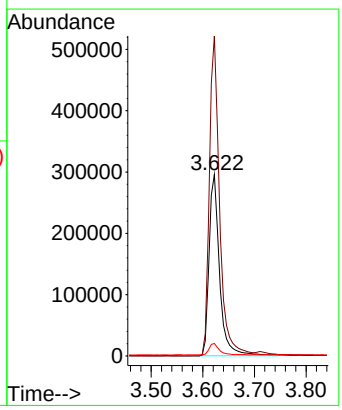


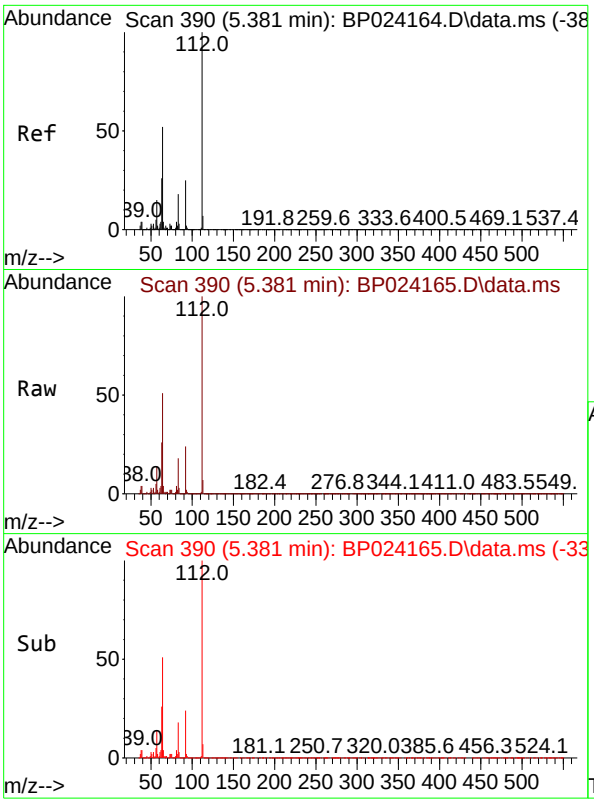


#4
n-Nitrosodimethylamine
Concen: 49.741 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



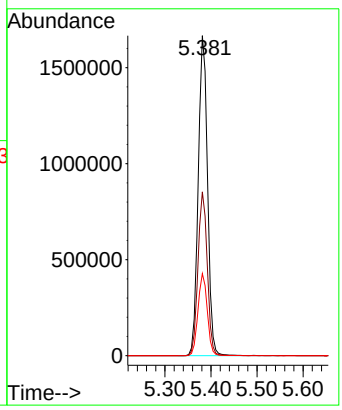


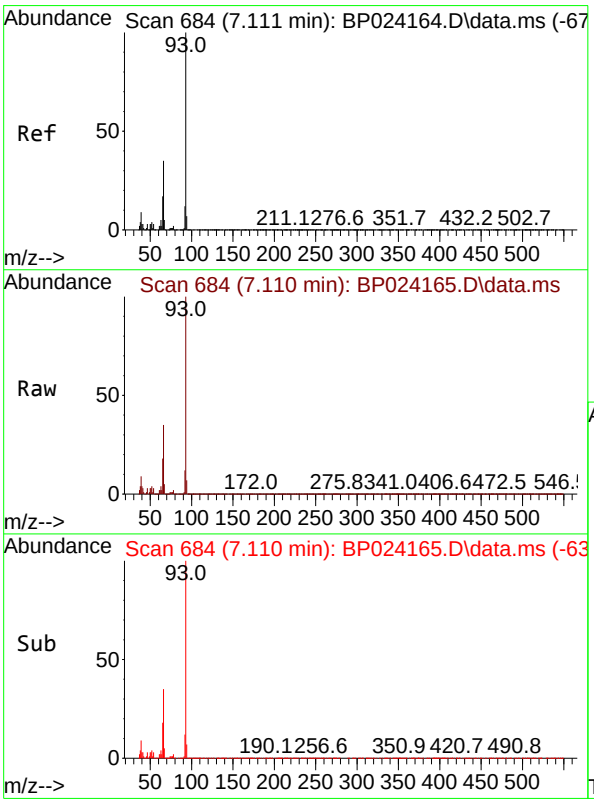
#5
2-Fluorophenol
Concen: 100.747 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

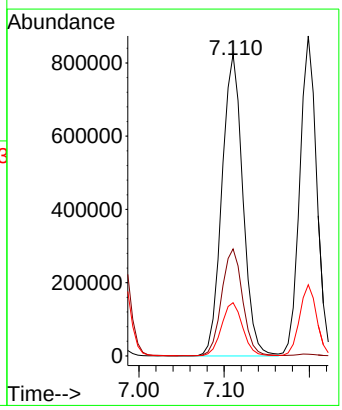


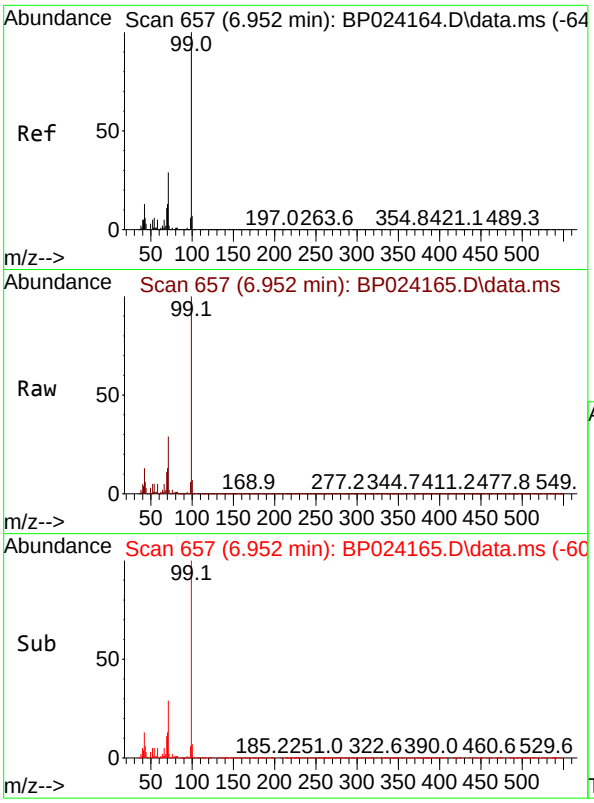


#6
Aniline
Concen: 51.307 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



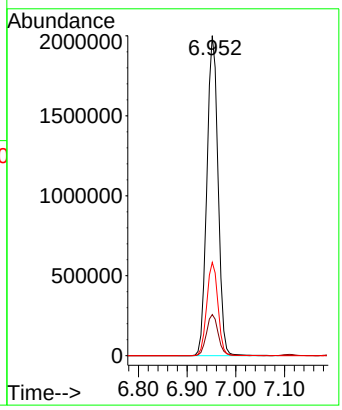


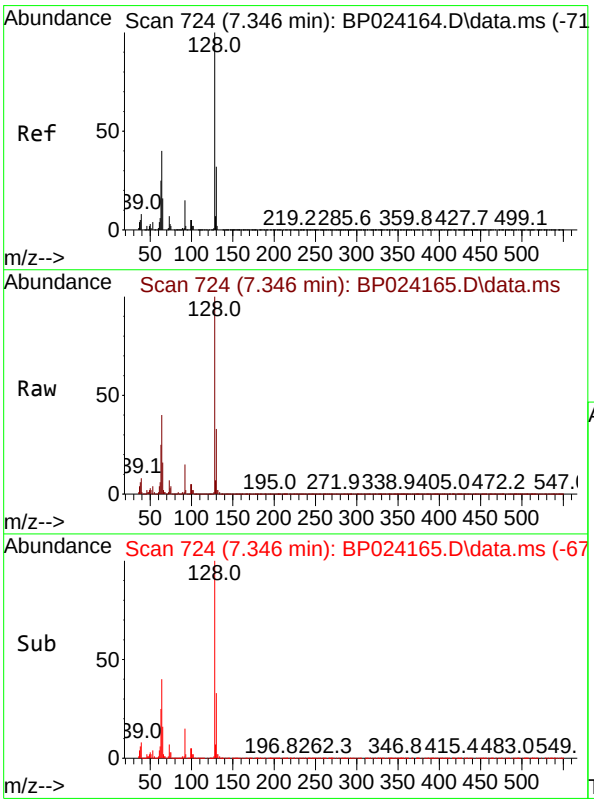
#7
Phenol-d6
Concen: 106.191 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

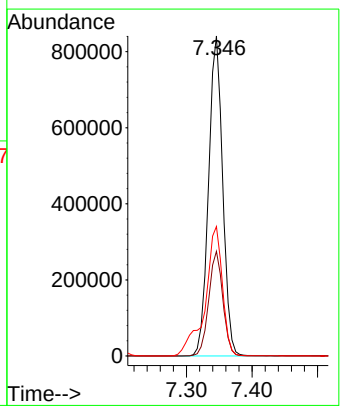


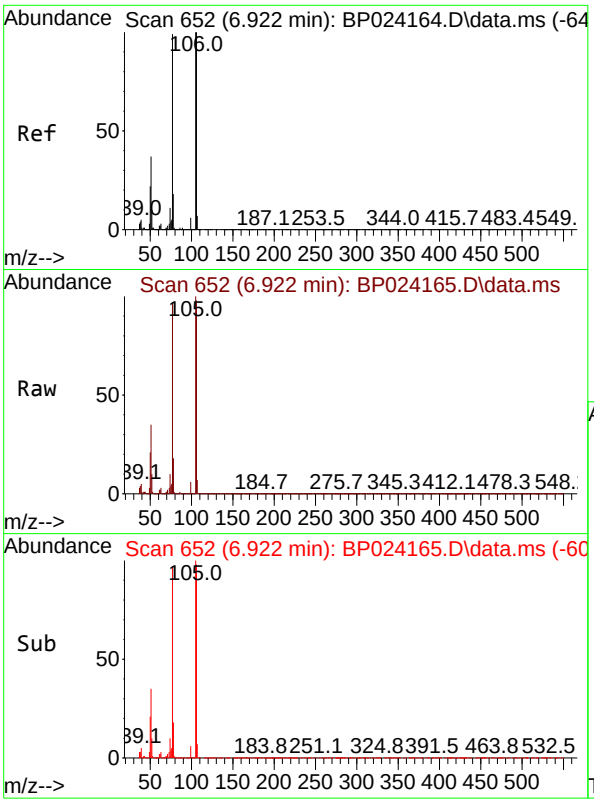


#8
2-Chlorophenol
Concen: 51.262 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



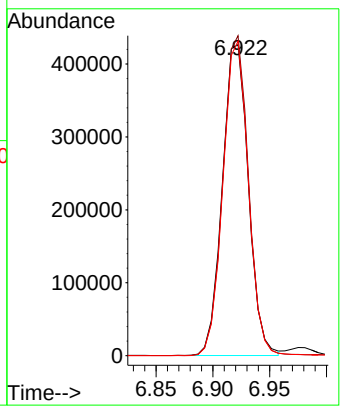


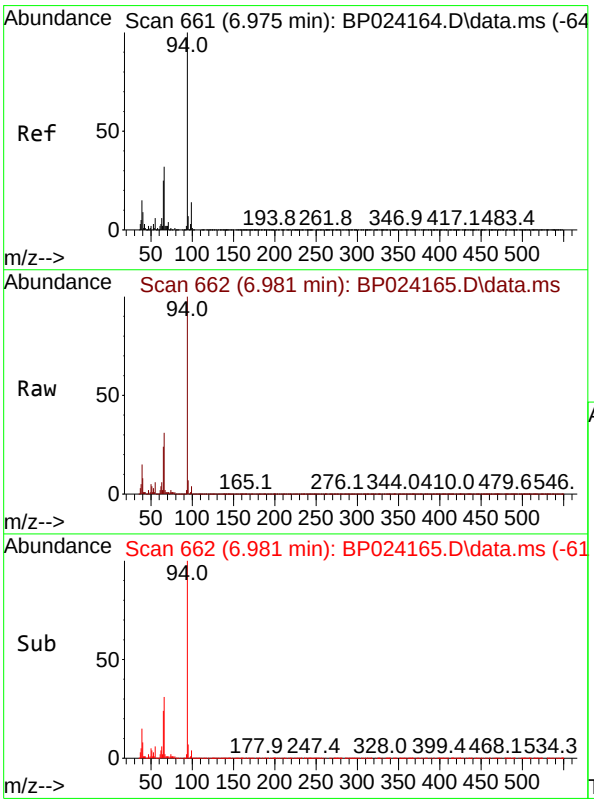
#9
Benzaldehyde
Concen: 49.899 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

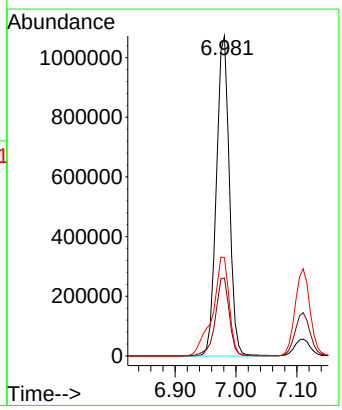


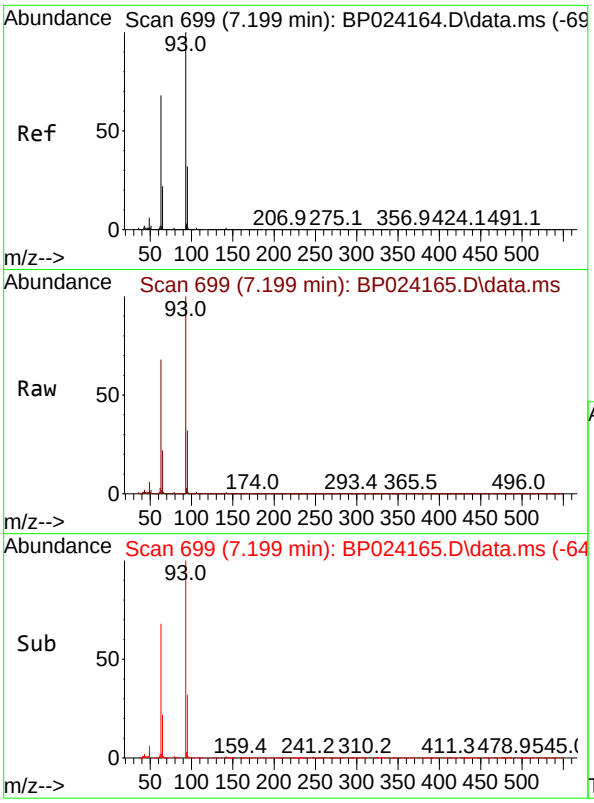


#10
Phenol
Concen: 52.648 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



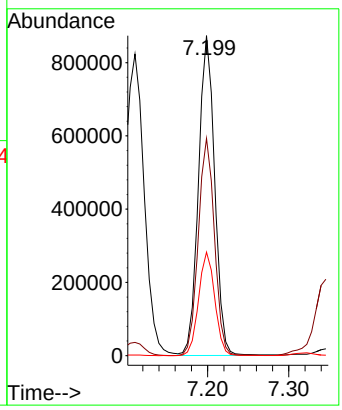


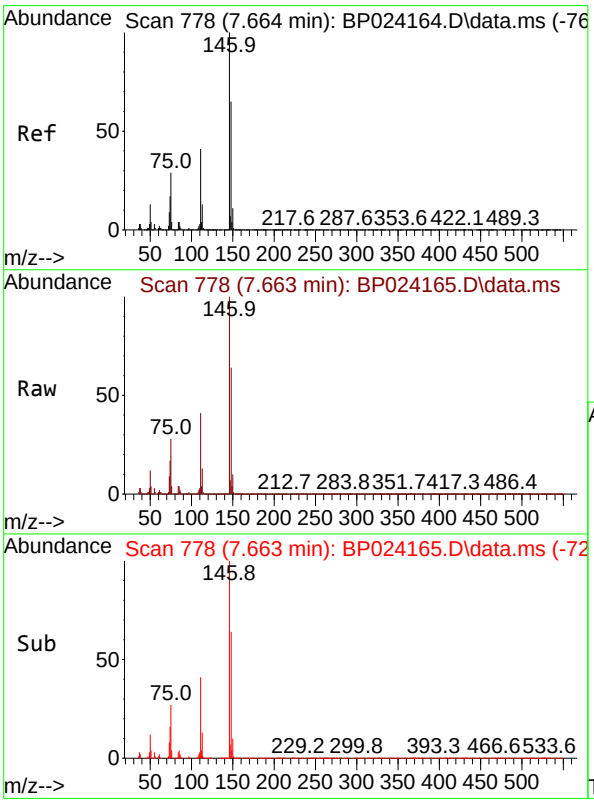
#11
bis(2-Chloroethyl)ether
Concen: 51.383 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

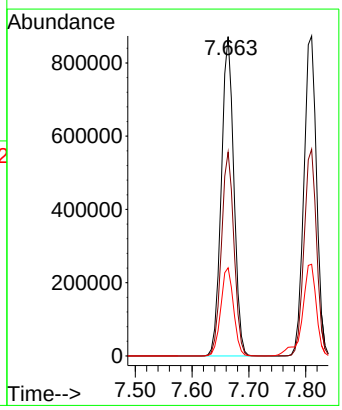


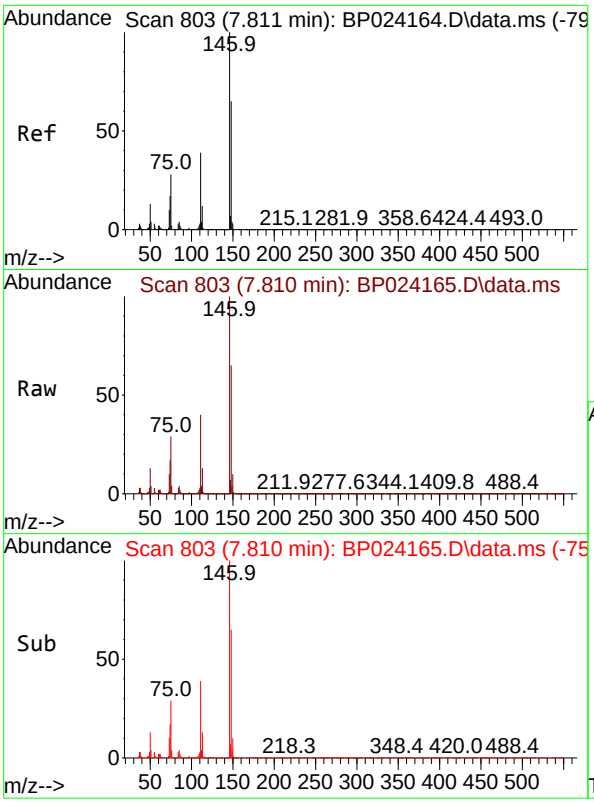


#12
1,3-Dichlorobenzene
Concen: 49.552 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



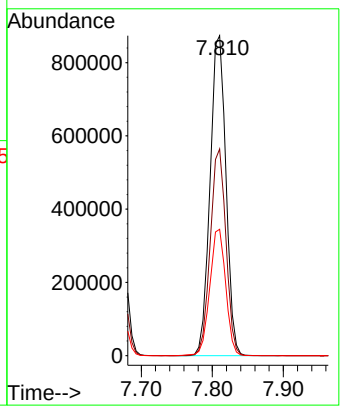


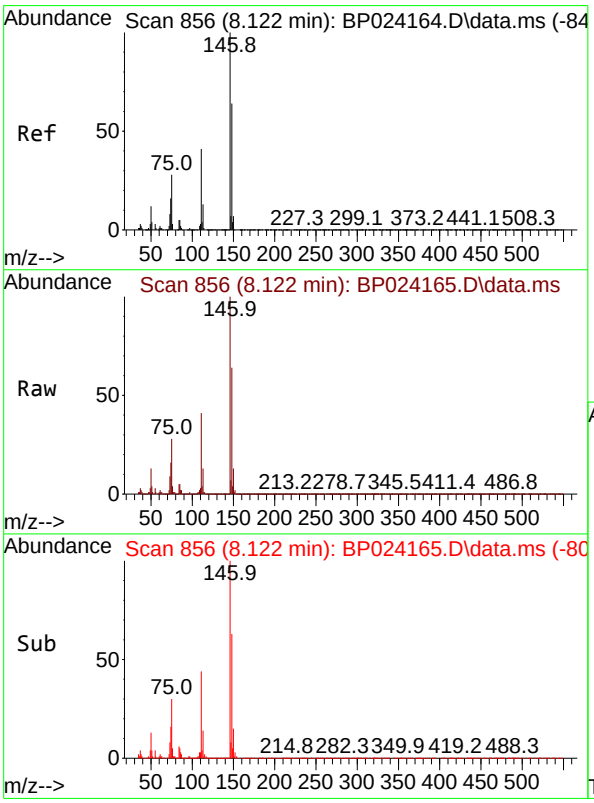
#13
1,4-Dichlorobenzene
Concen: 49.520 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

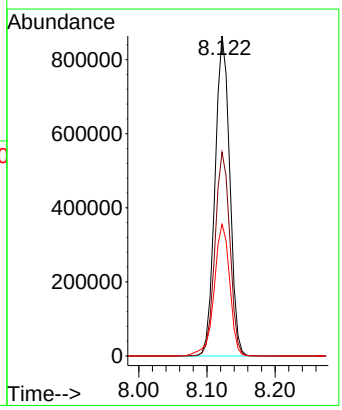


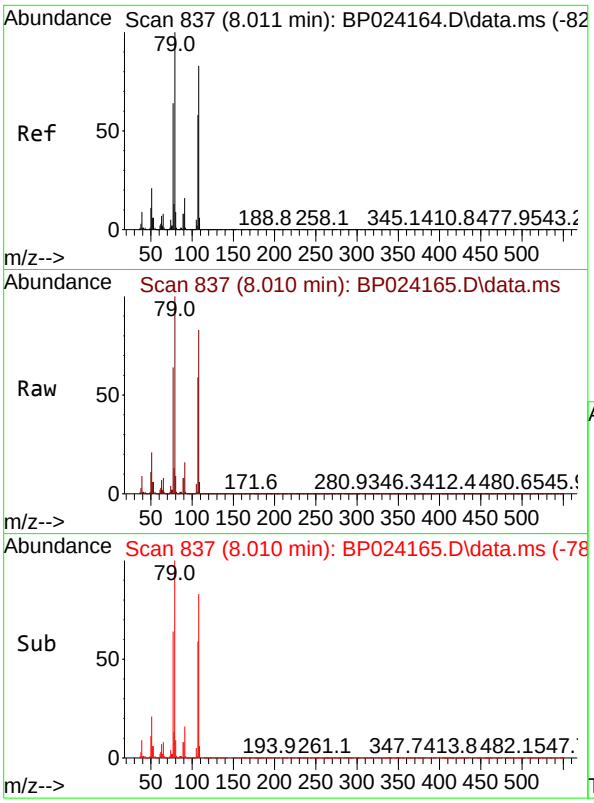


#14
1,2-Dichlorobenzene
Concen: 49.586 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



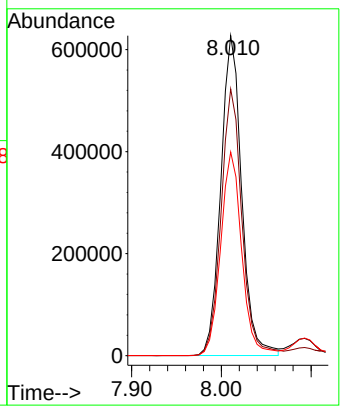


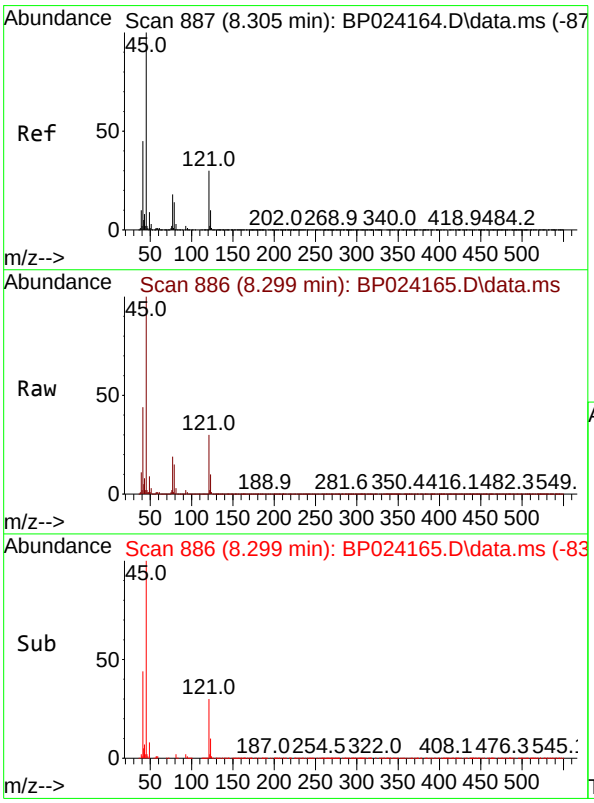
#15
Benzyl Alcohol
Concen: 55.621 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

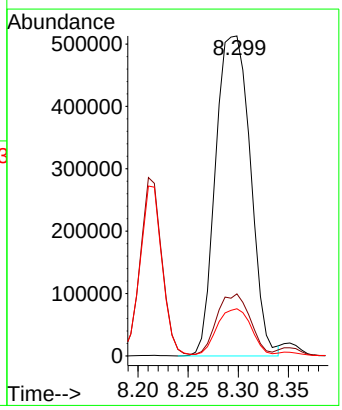


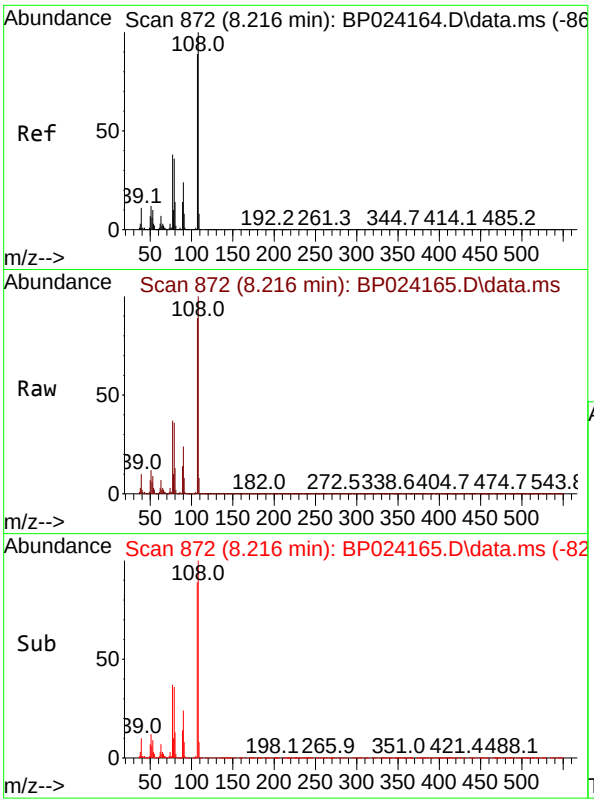


#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.871 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



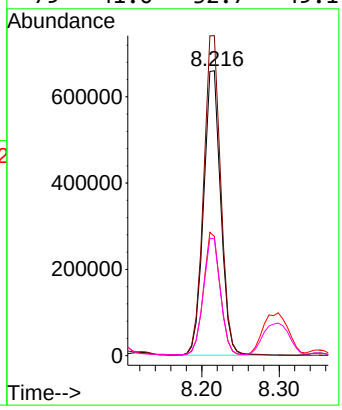


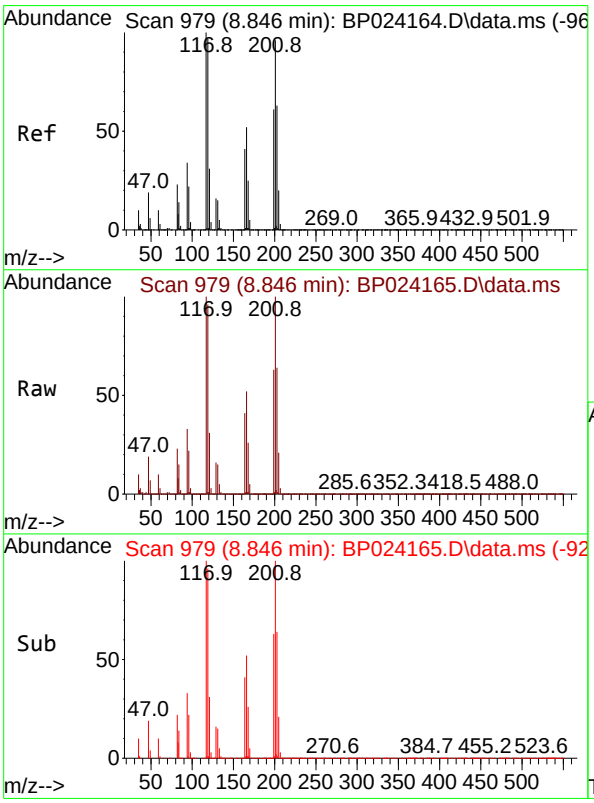
#17
2-Methylphenol
Concen: 55.257 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

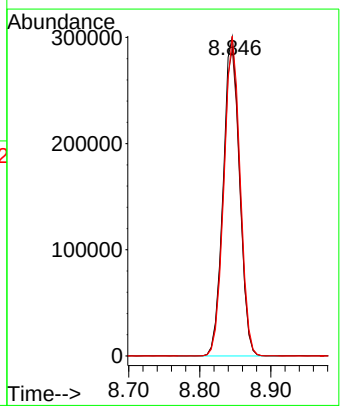


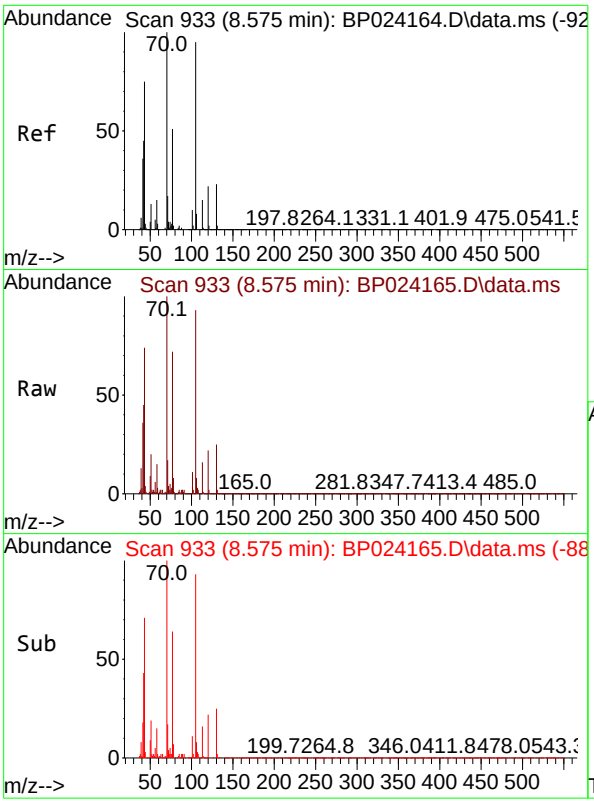


#18
Hexachloroethane
Concen: 49.052 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



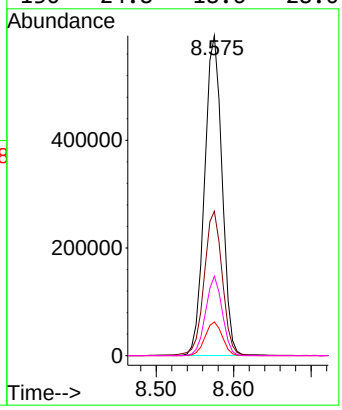


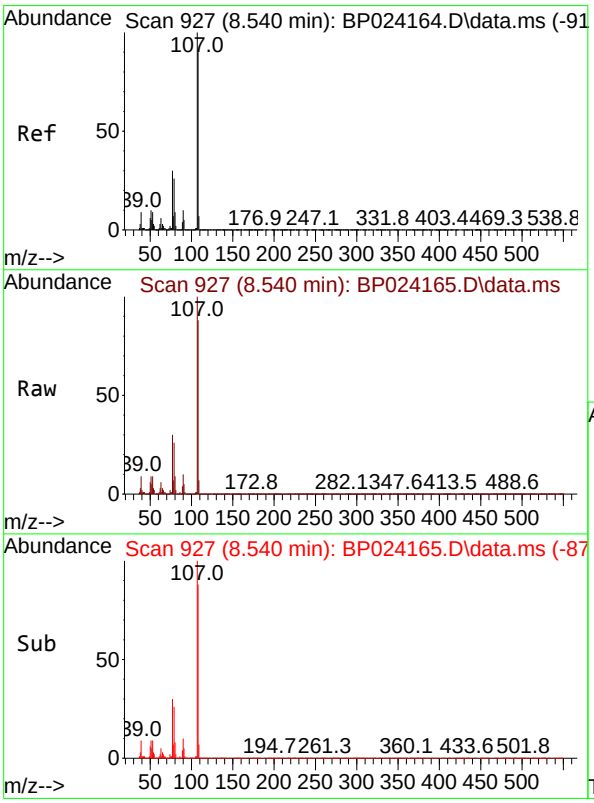
#19
n-Nitroso-di-n-propylamine
Concen: 57.939 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

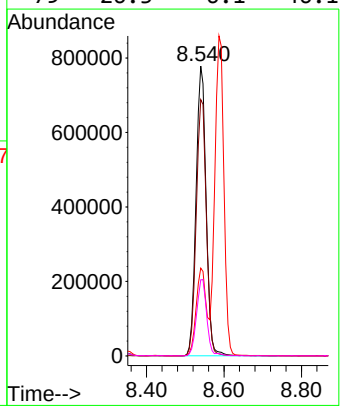


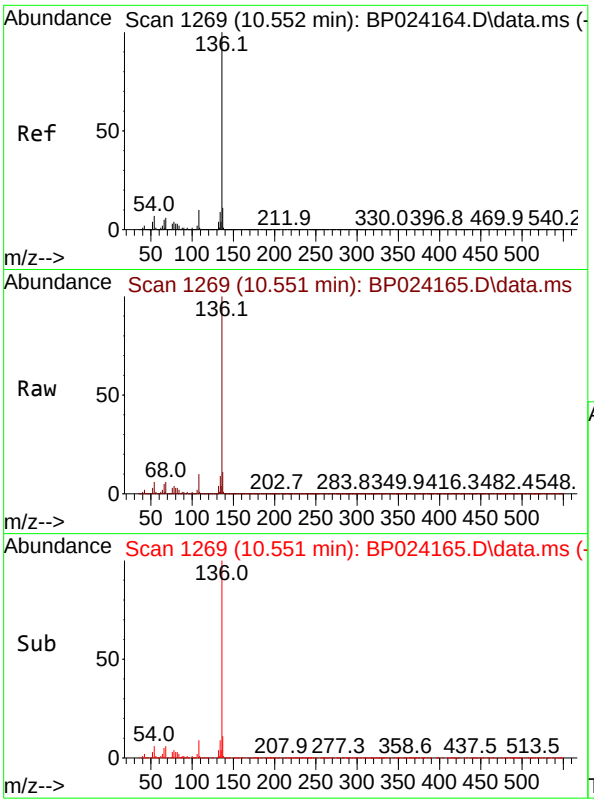


#20
3+4-Methylphenols
Concen: 56.333 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



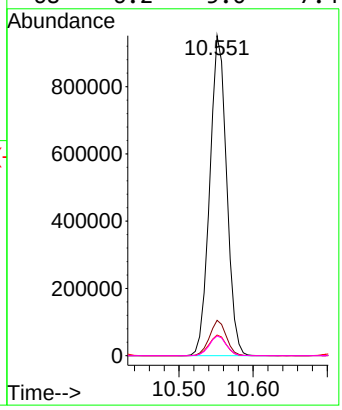


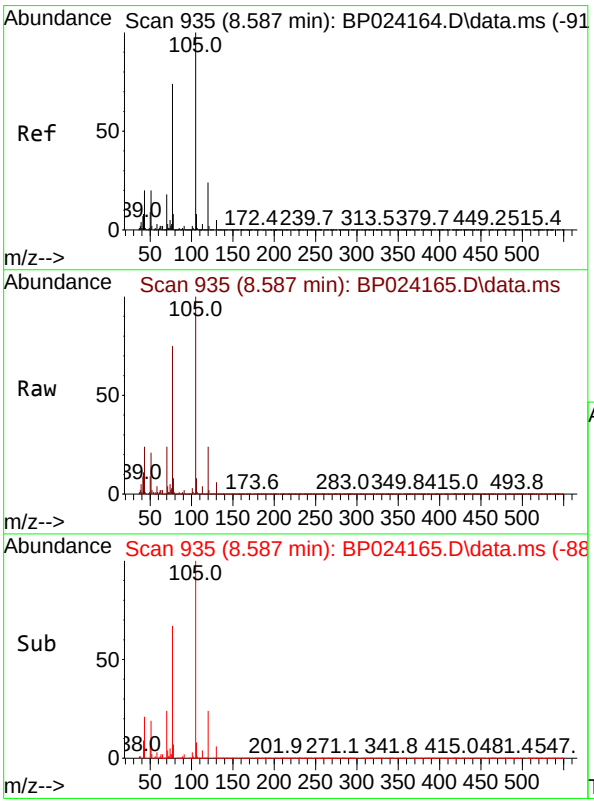
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

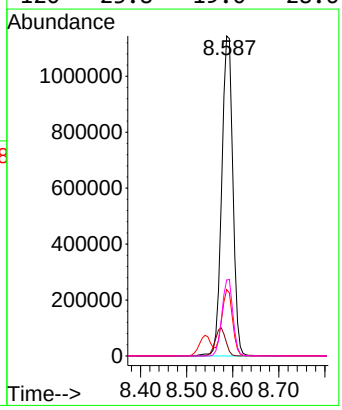


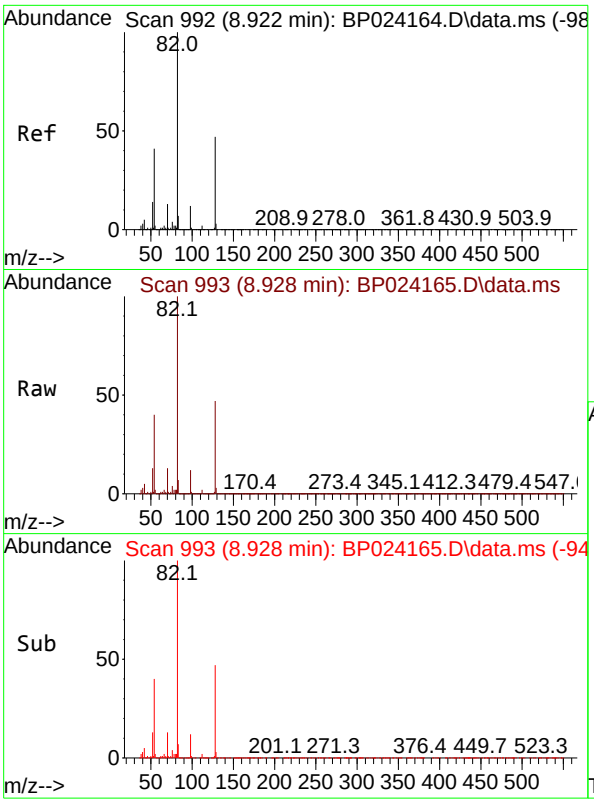


#22
Acetophenone
Concen: 49.450 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



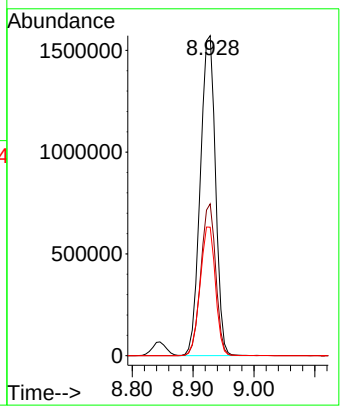


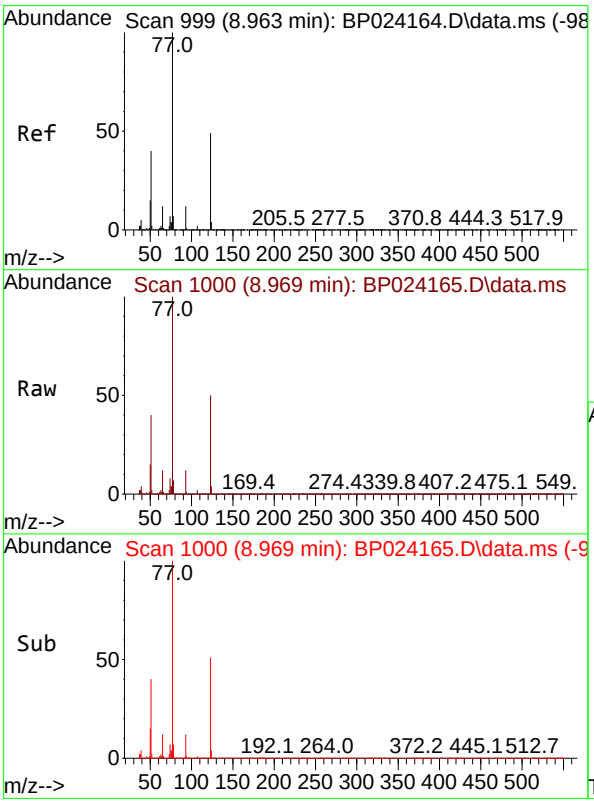
#23
Nitrobenzene-d5
Concen: 100.962 ng
RT: 8.928 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

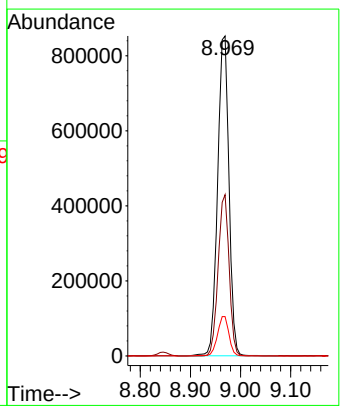


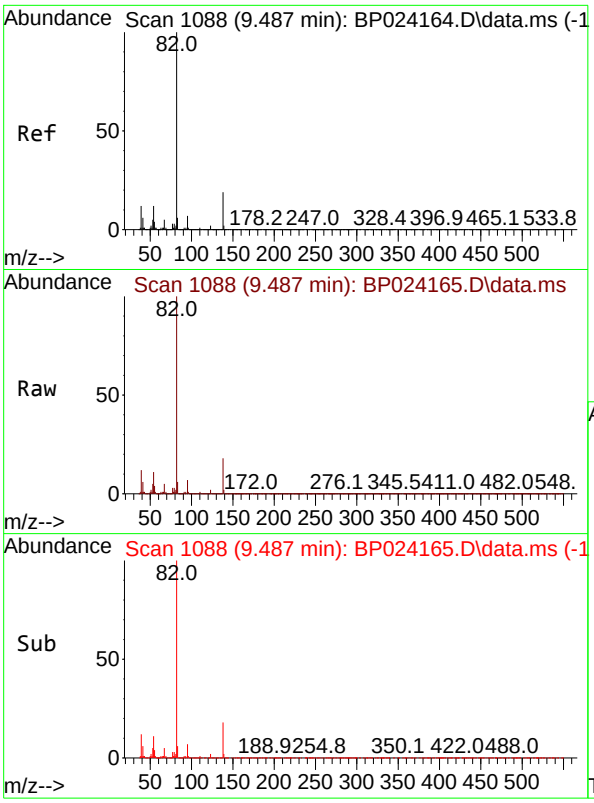


#24
Nitrobenzene
Concen: 50.299 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



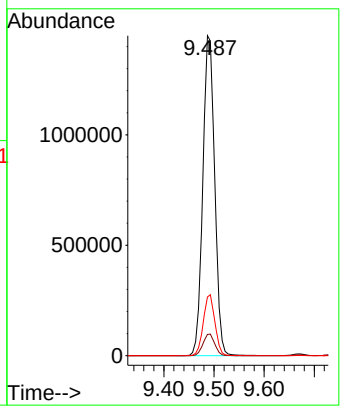


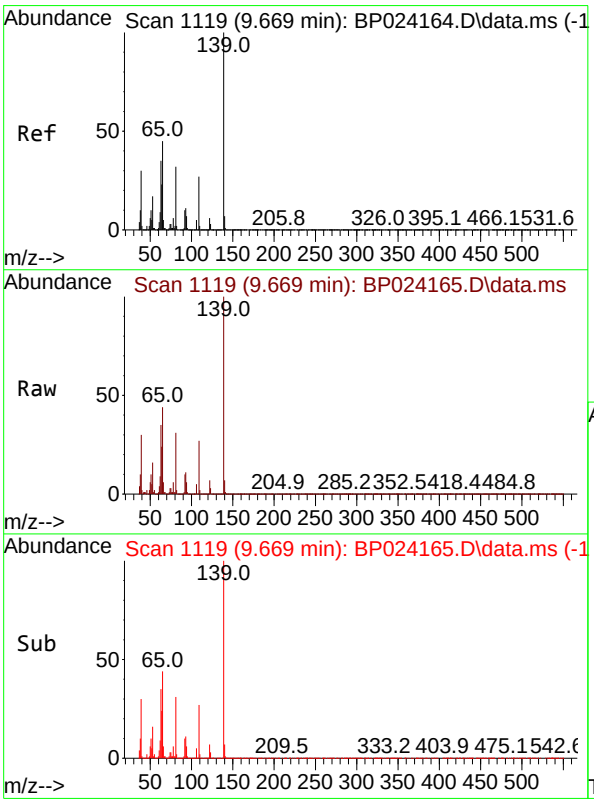
#25
Isophorone
Concen: 54.168 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

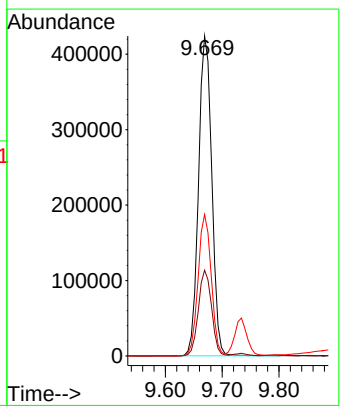


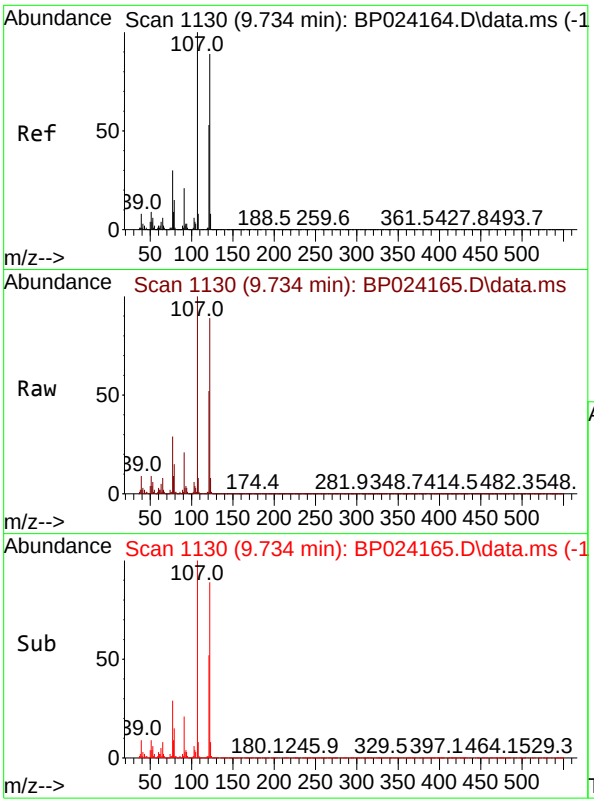


#26
2-Nitrophenol
Concen: 56.096 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



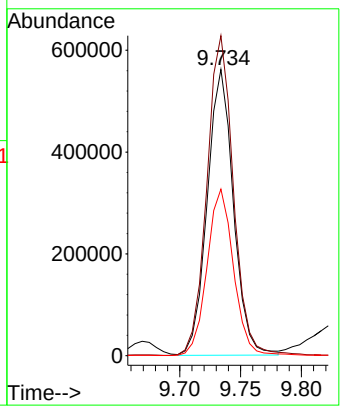


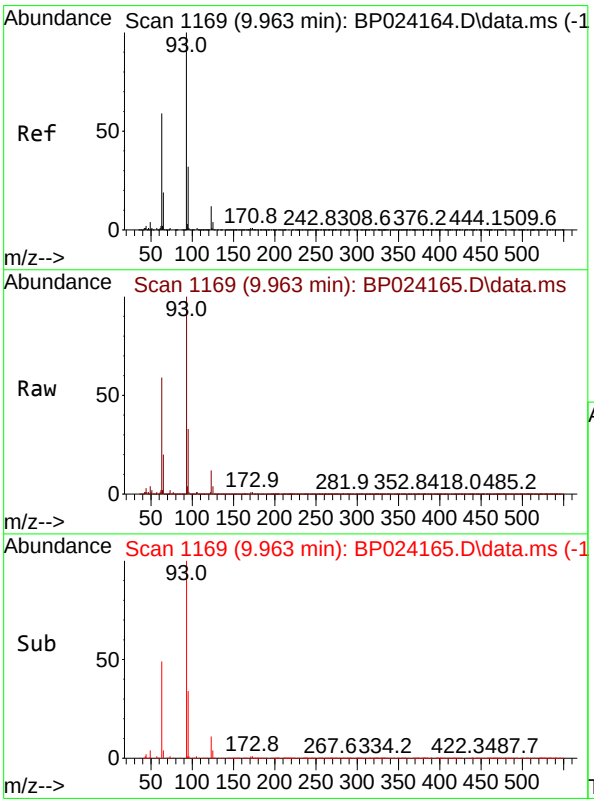
#27
2,4-Dimethylphenol
Concen: 52.362 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

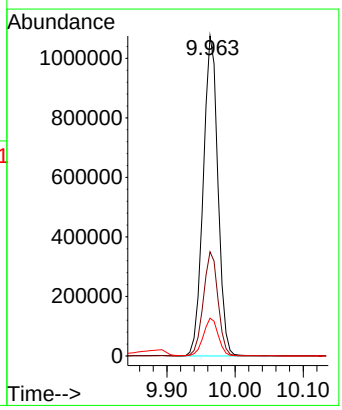


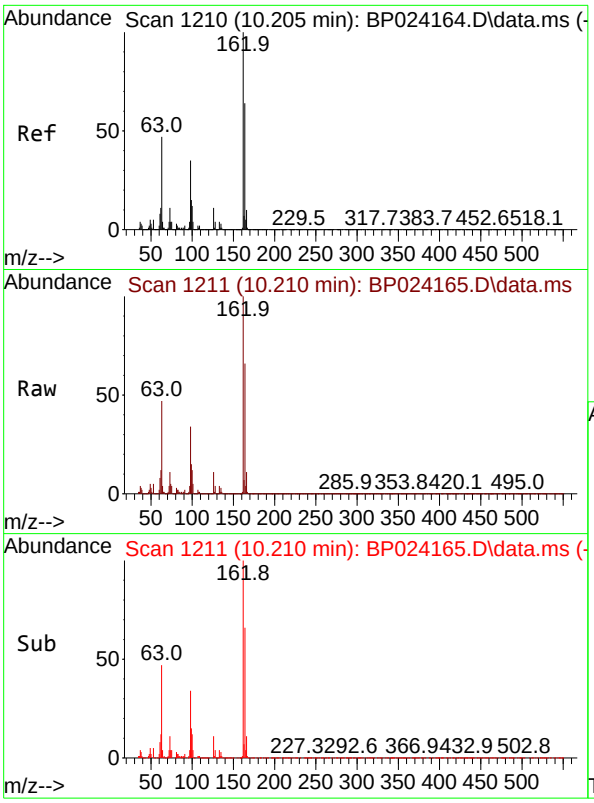


#28
bis(2-Chloroethoxy)methane
Concen: 50.476 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



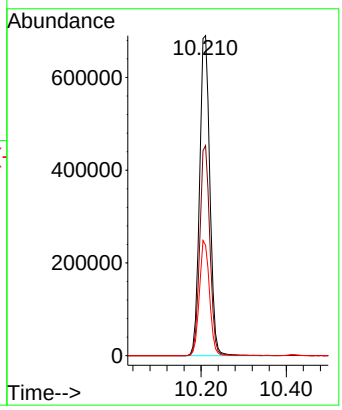


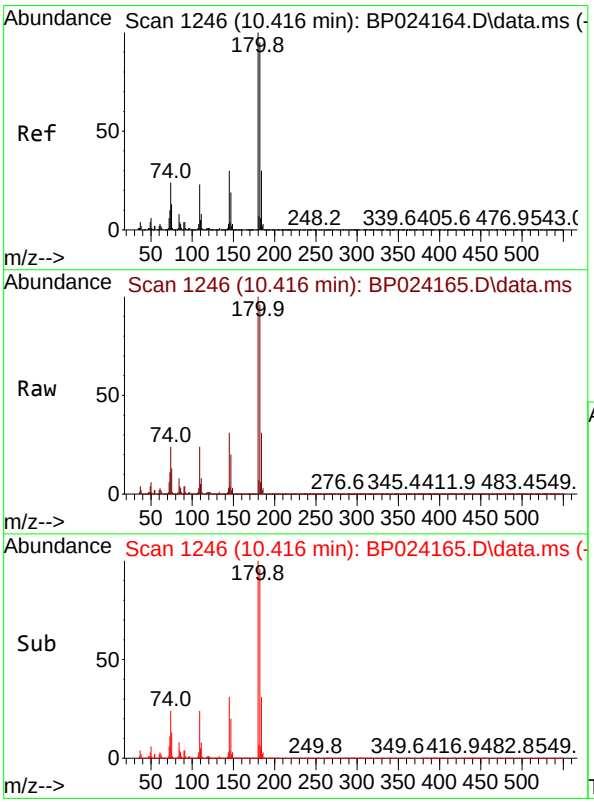
#29
2,4-Dichlorophenol
Concen: 52.591 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

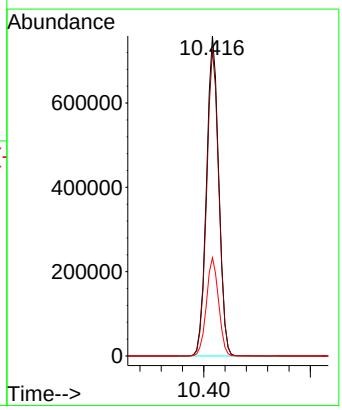


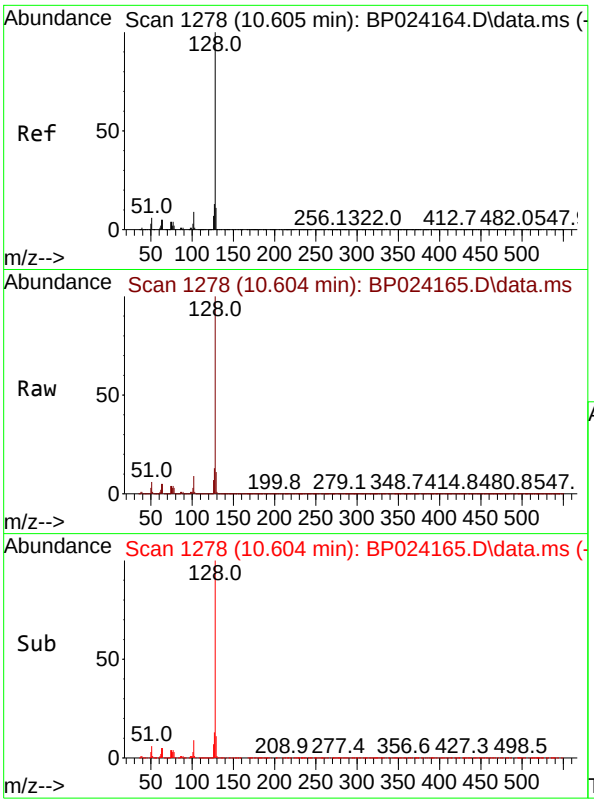


#30
1,2,4-Trichlorobenzene
Concen: 48.306 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



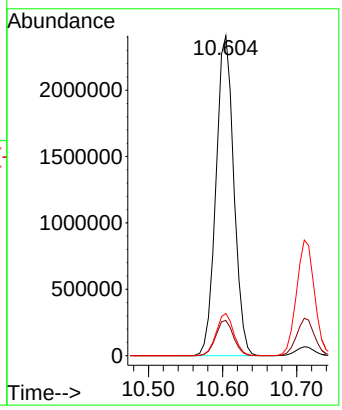


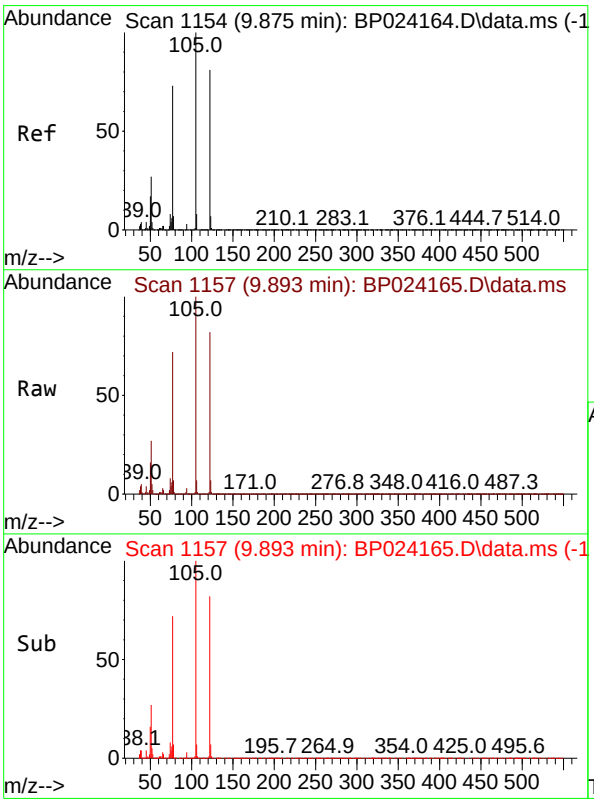
#31
Naphthalene
Concen: 49.689 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

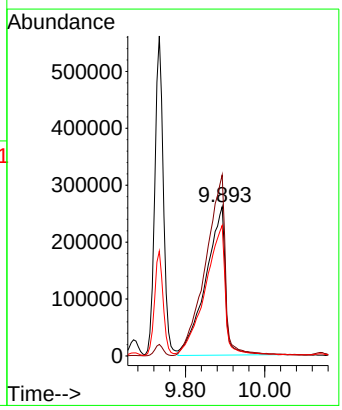


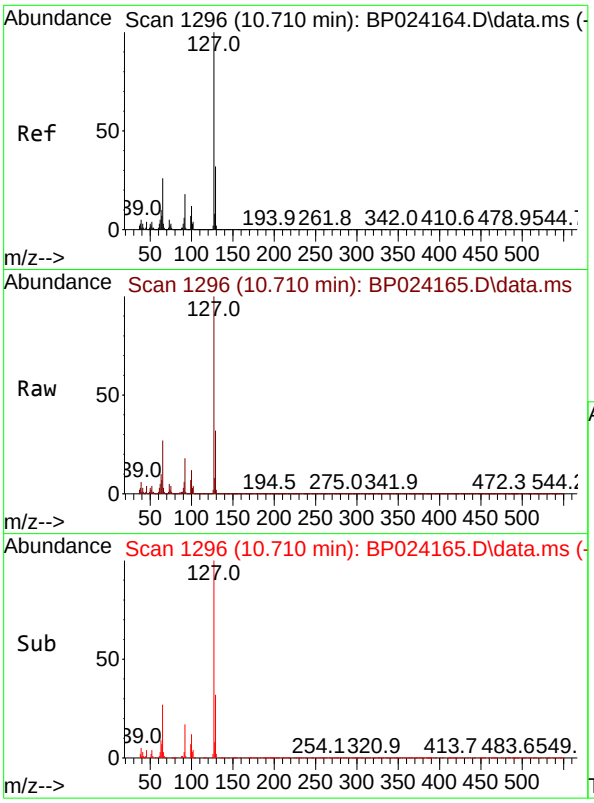


#32
Benzoic acid
Concen: 61.152 ng
RT: 9.893 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



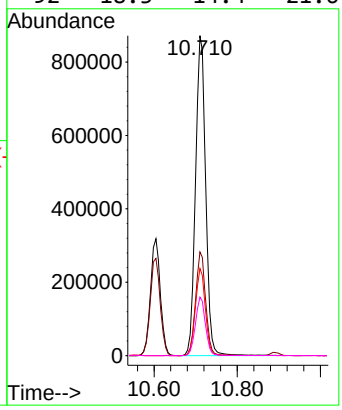


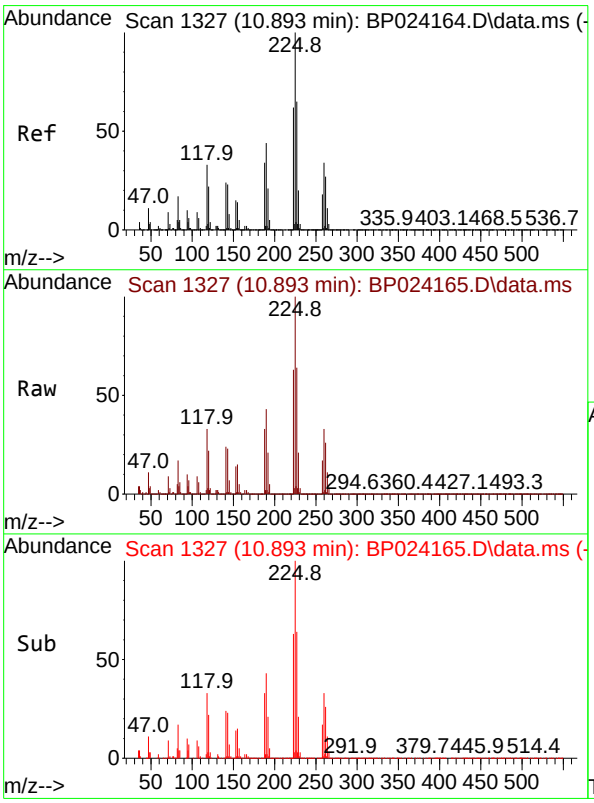
#33
4-Chloroaniline
Concen: 51.976 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

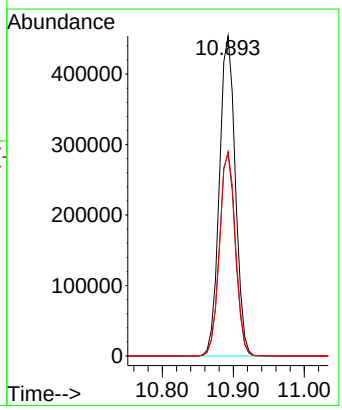


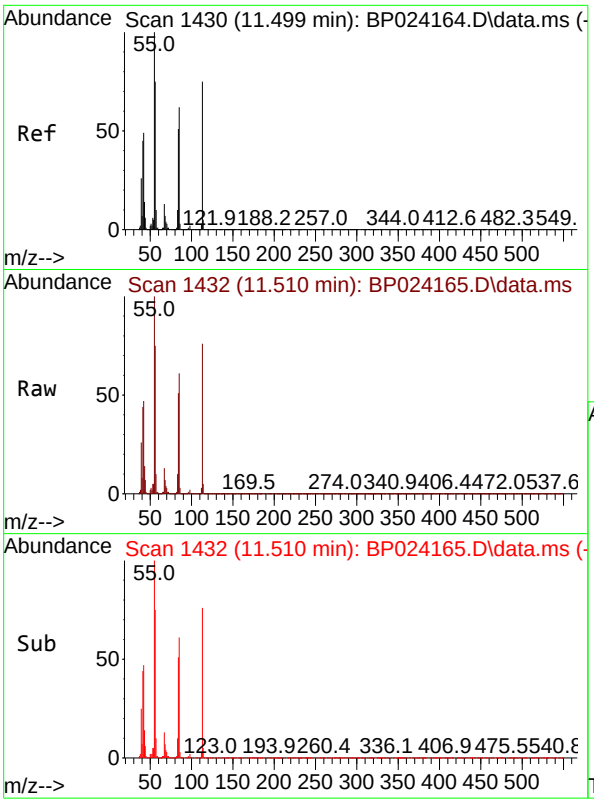


#34
Hexachlorobutadiene
Concen: 48.392 ng
RT: 10.893 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



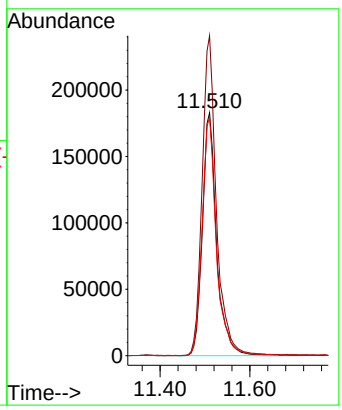


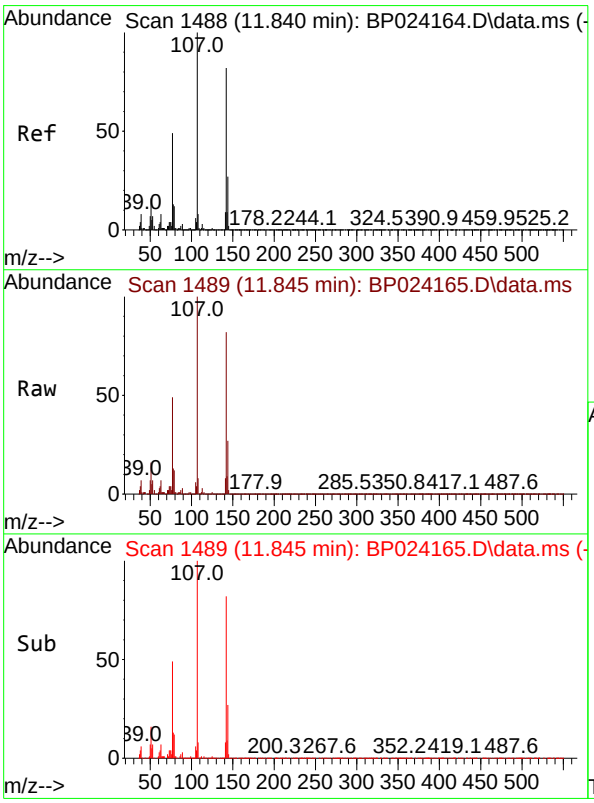
#35
Caprolactam
Concen: 60.646 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

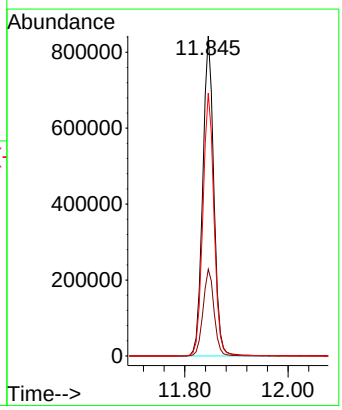


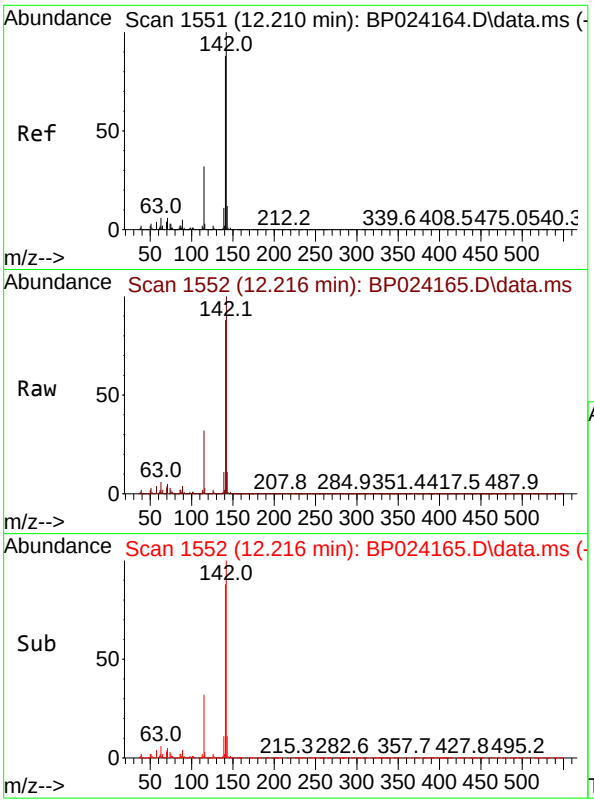


#36
4-Chloro-3-methylphenol
Concen: 55.551 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



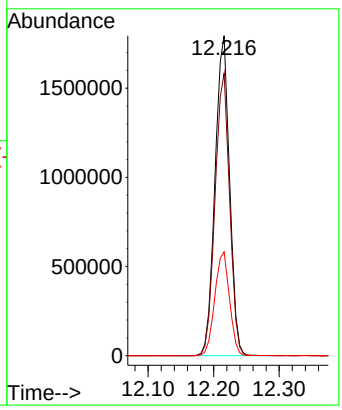


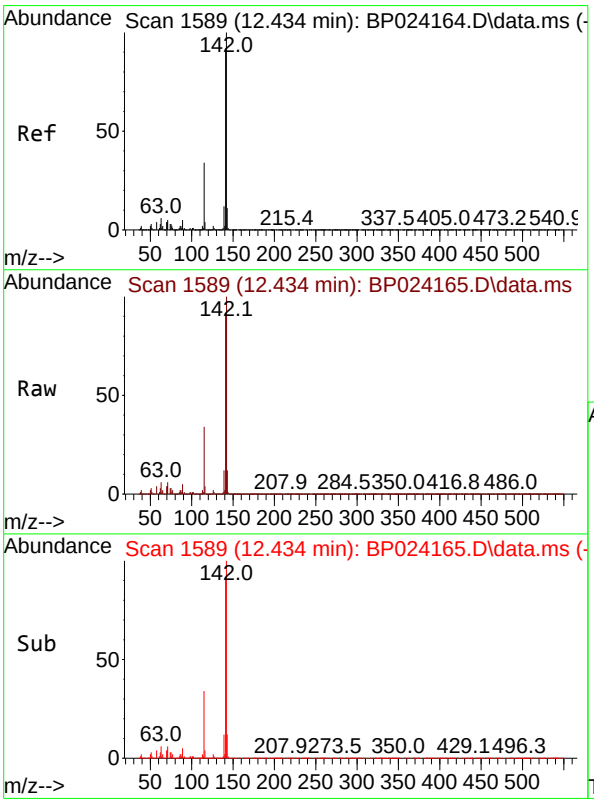
#37
2-Methylnaphthalene
Concen: 51.131 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

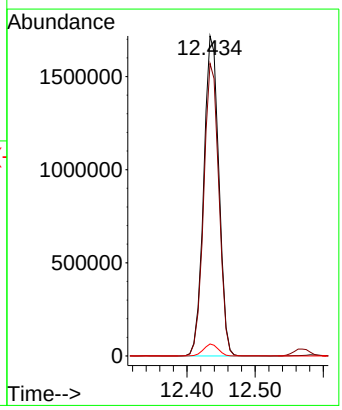


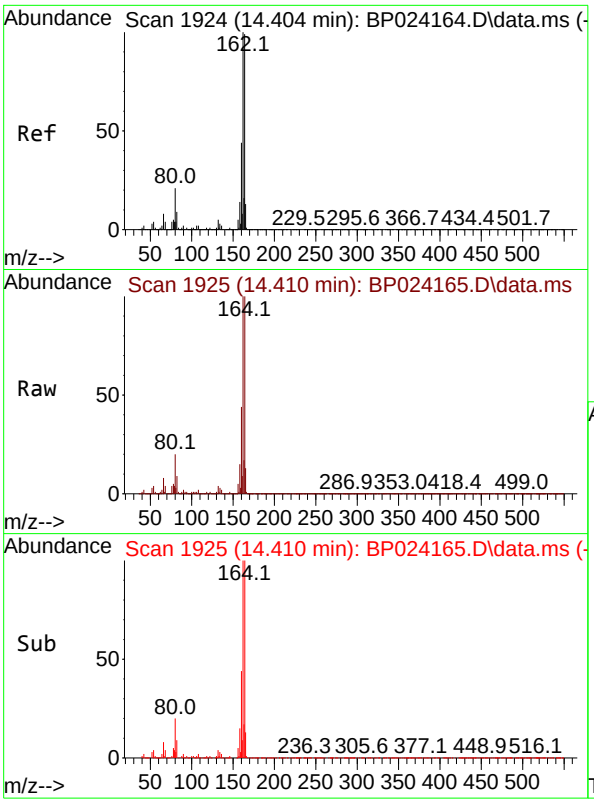


#38
1-Methylnaphthalene
Concen: 50.600 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



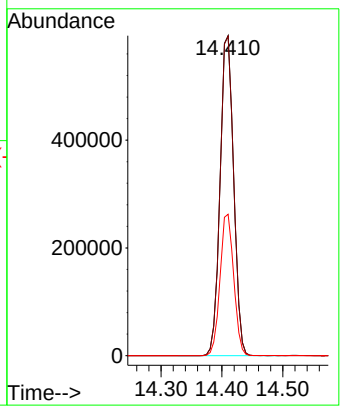


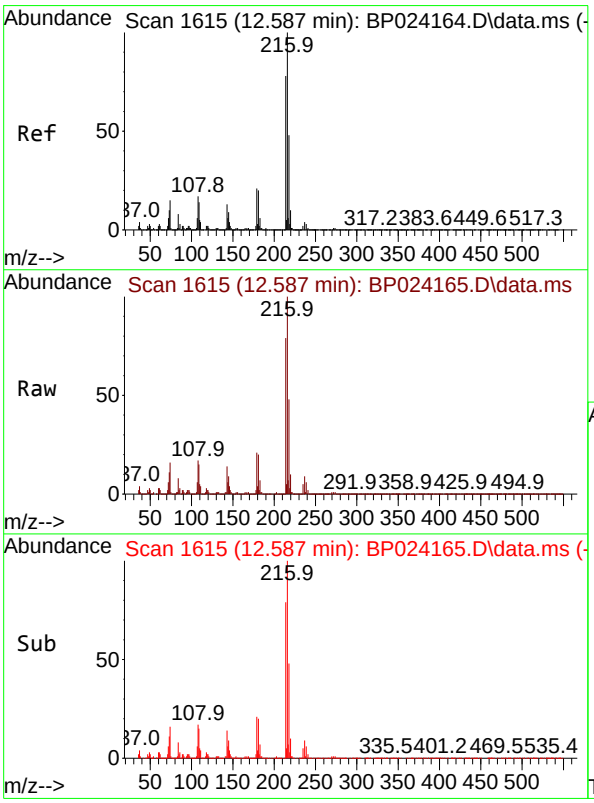
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

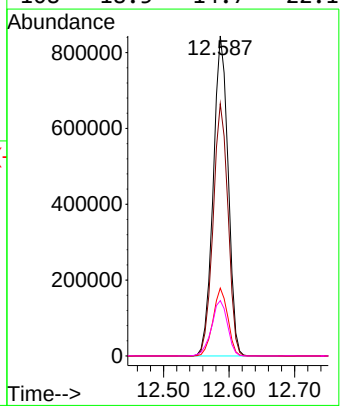


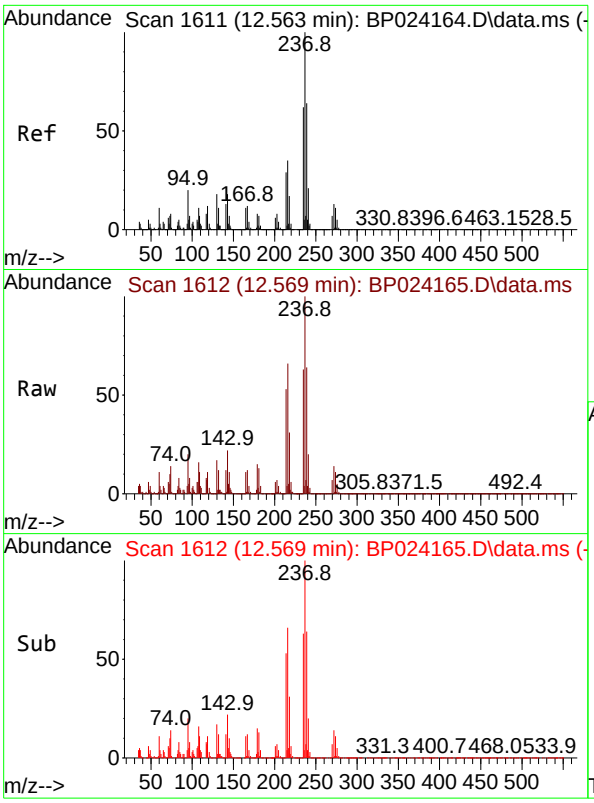


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.188 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



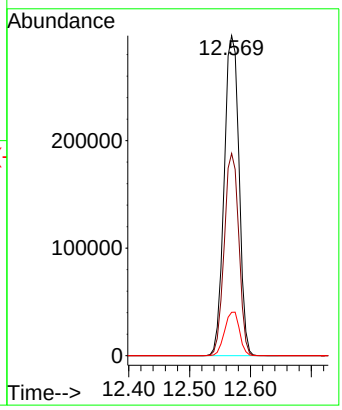


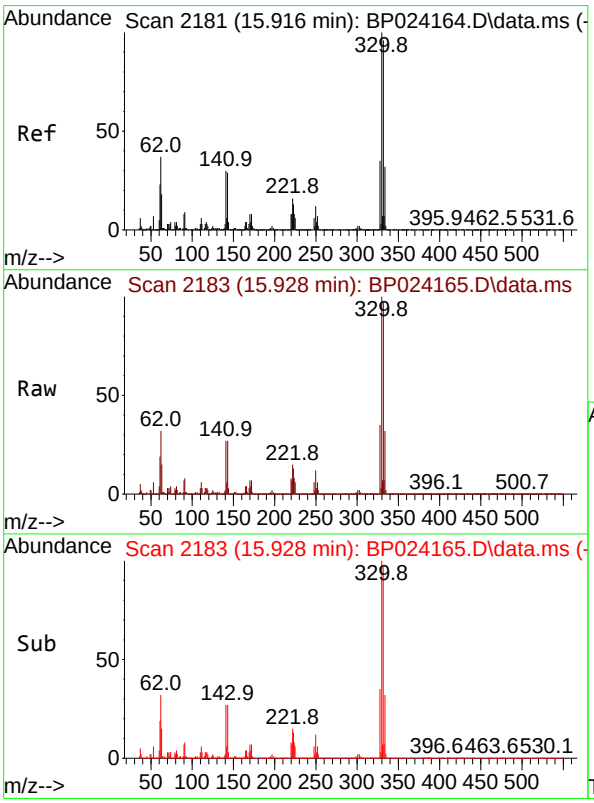
#41
Hexachlorocyclopentadiene
Concen: 47.999 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

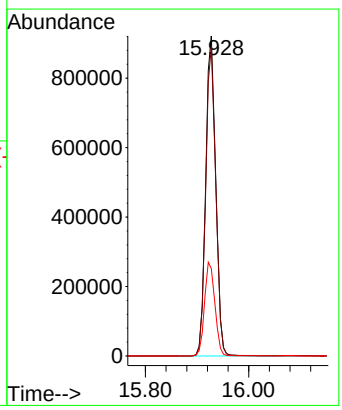


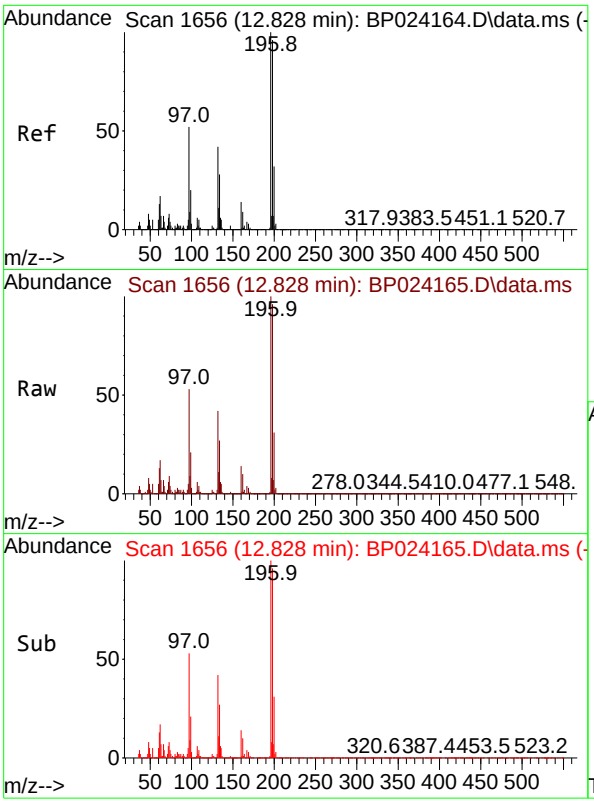


#42
2,4,6-Tribromophenol
Concen: 110.267 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



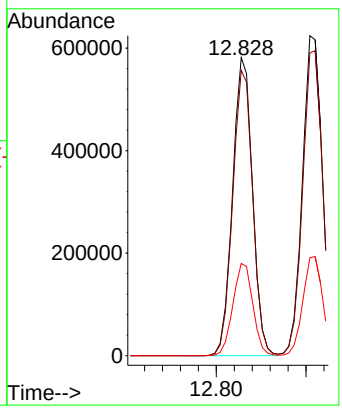


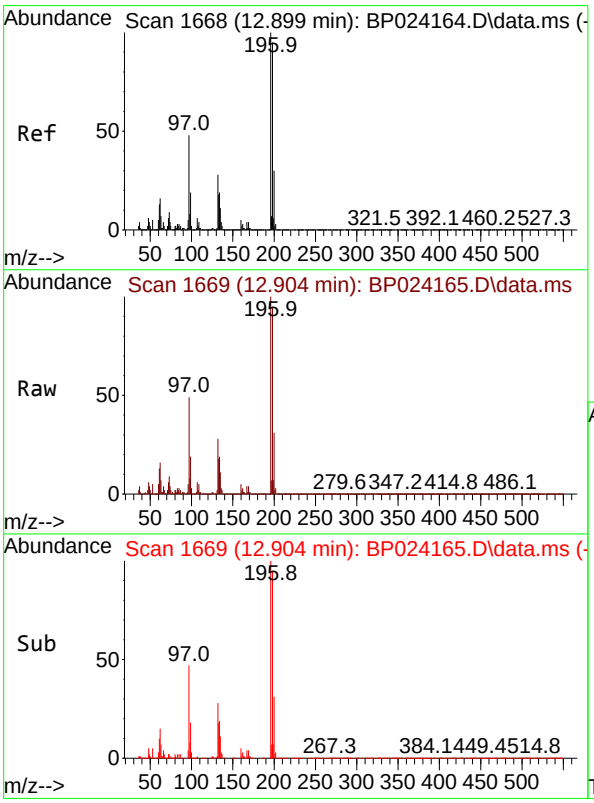
#43
2,4,6-Trichlorophenol
Concen: 52.112 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

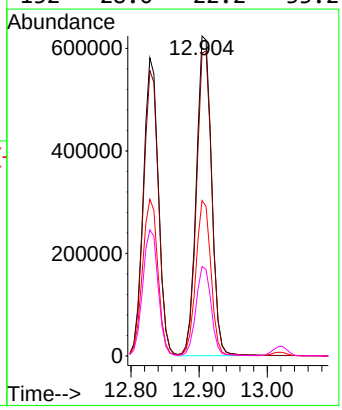


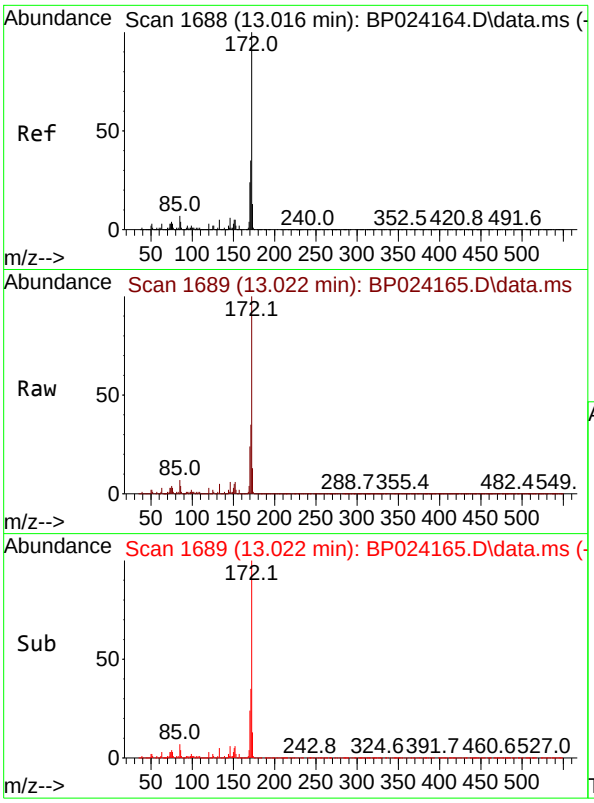


#44
2,4,5-Trichlorophenol
Concen: 51.517 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



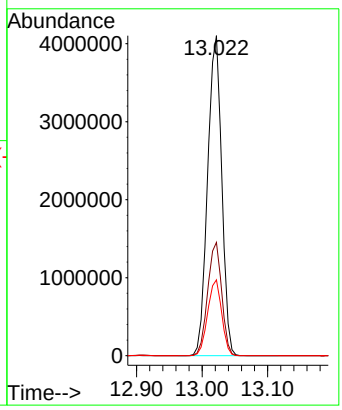


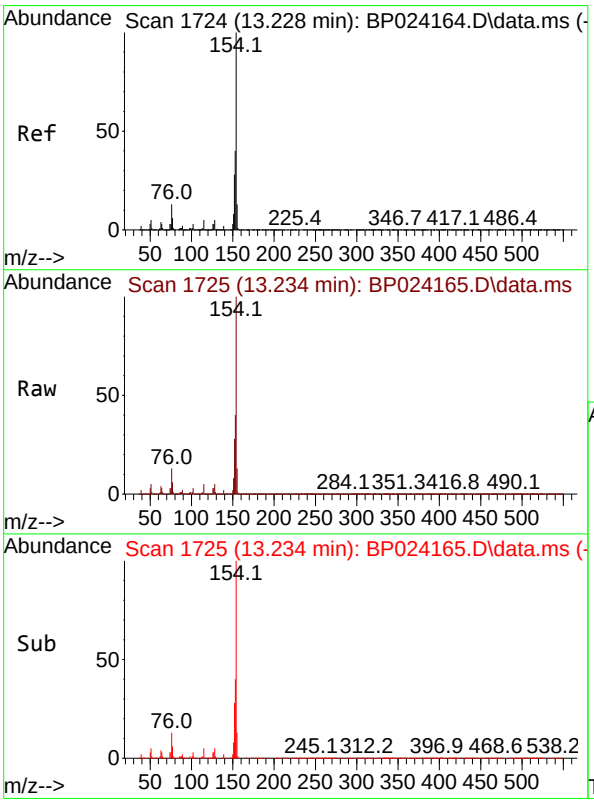
#45
2-Fluorobiphenyl
Concen: 93.318 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

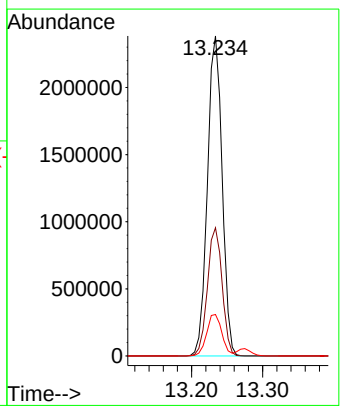


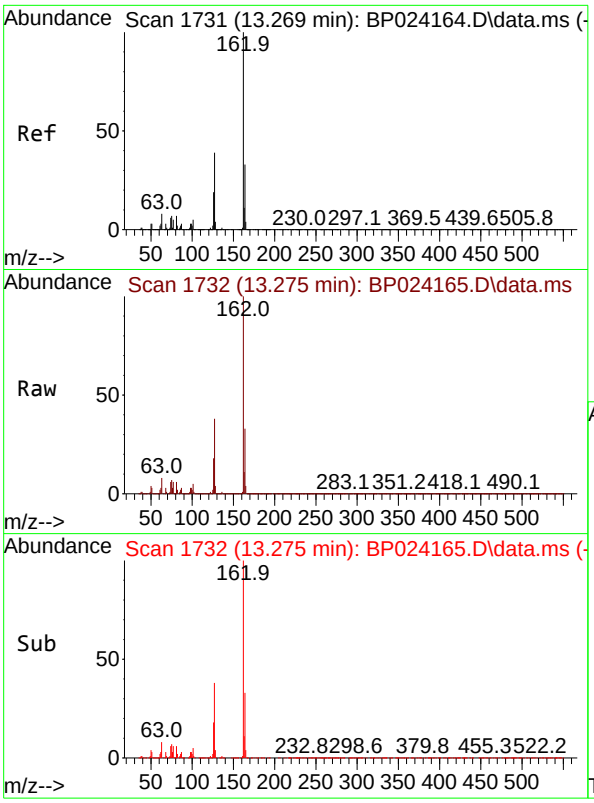


#46
1,1'-Biphenyl
Concen: 48.043 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



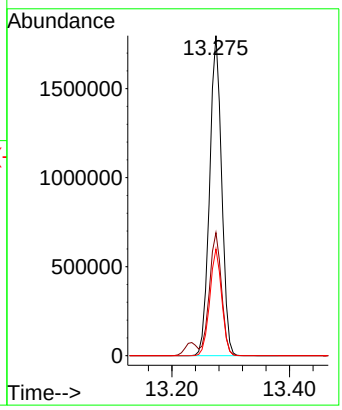


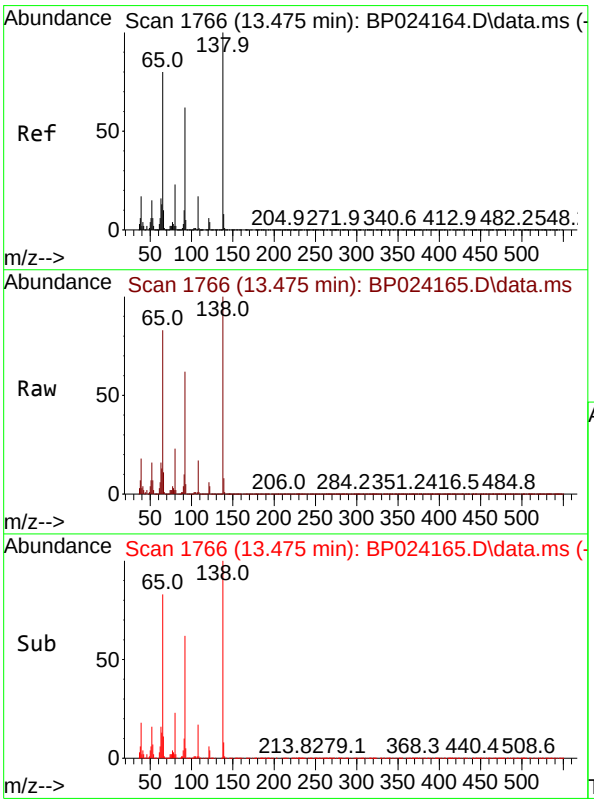
#47
2-Chloronaphthalene
Concen: 47.446 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

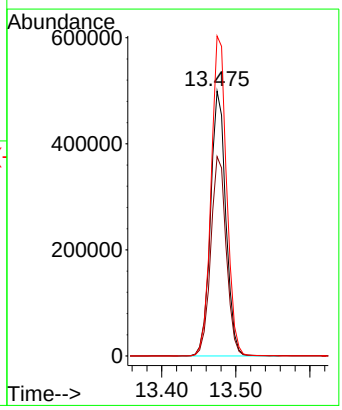


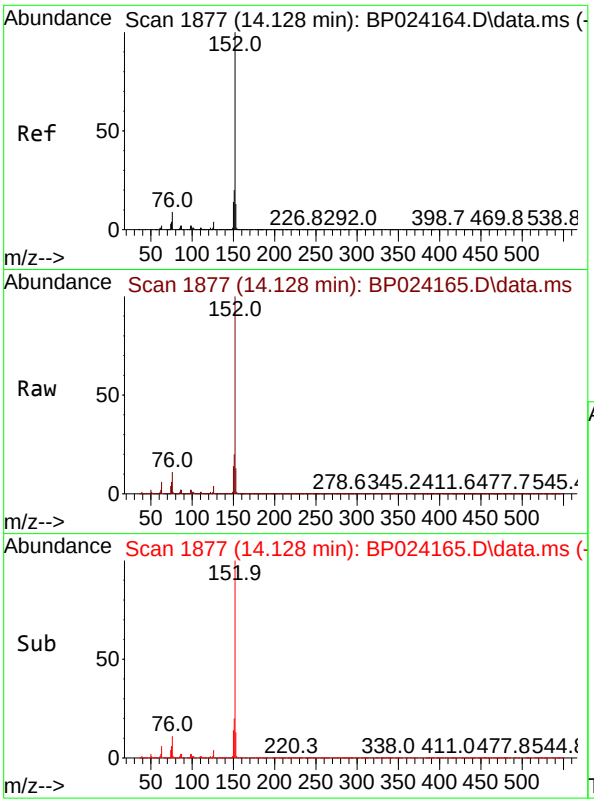


#48
2-Nitroaniline
Concen: 56.066 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



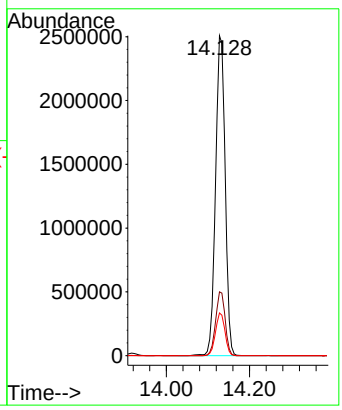


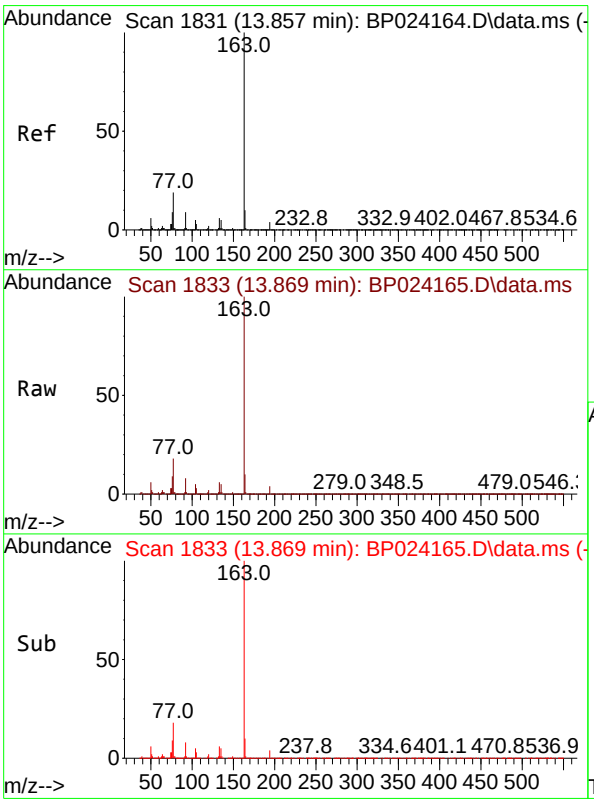
#49
Acenaphthylene
Concen: 50.533 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

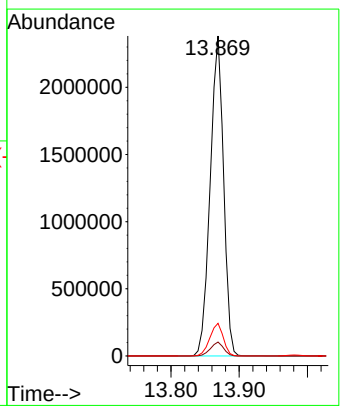


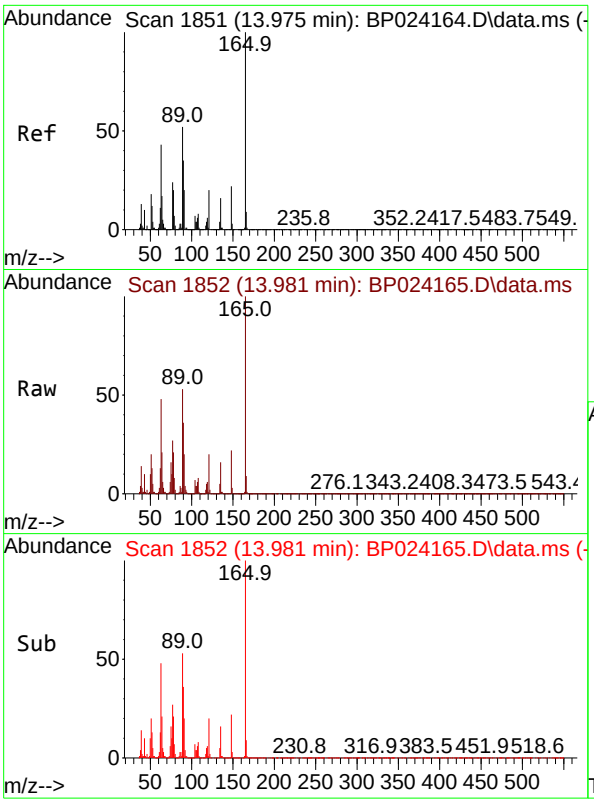


#50
Dimethylphthalate
Concen: 50.224 ng
RT: 13.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



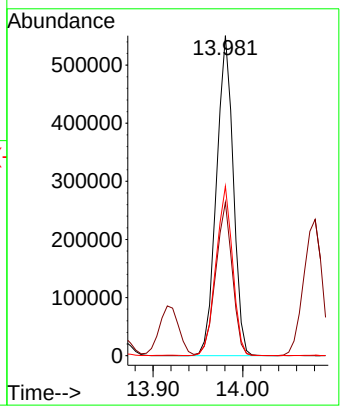


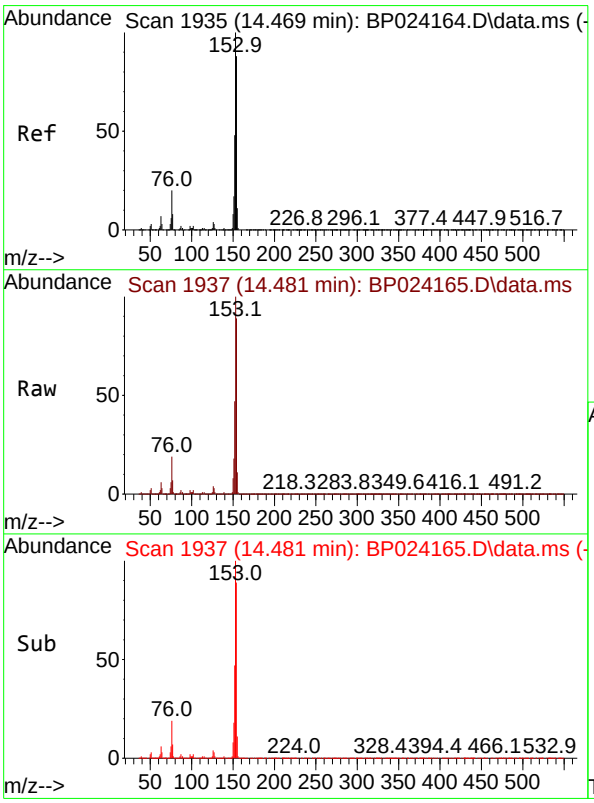
#51
2,6-Dinitrotoluene
Concen: 54.206 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

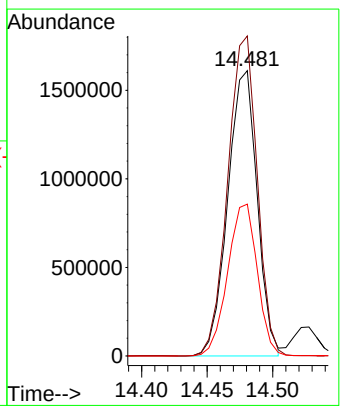


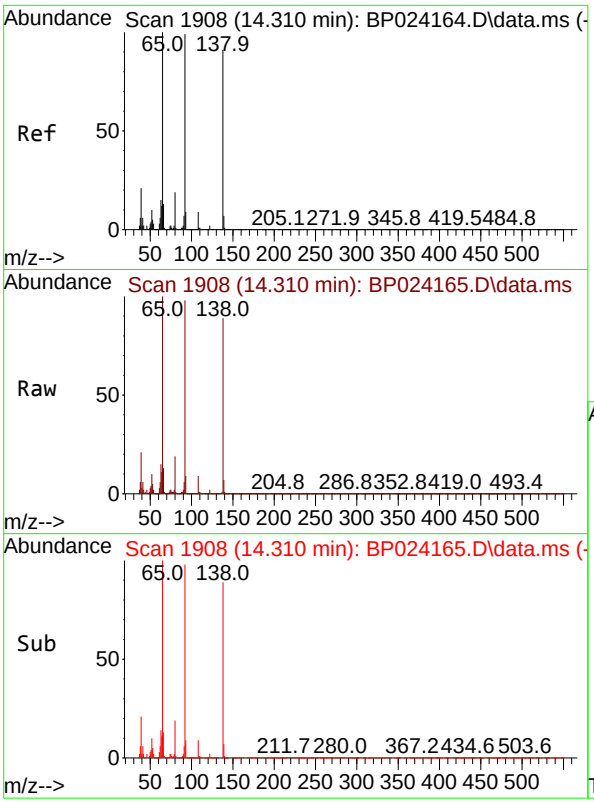


#52
Acenaphthene
Concen: 49.182 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



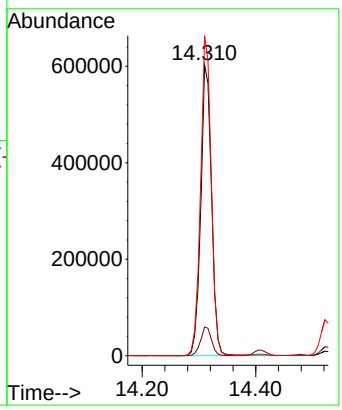


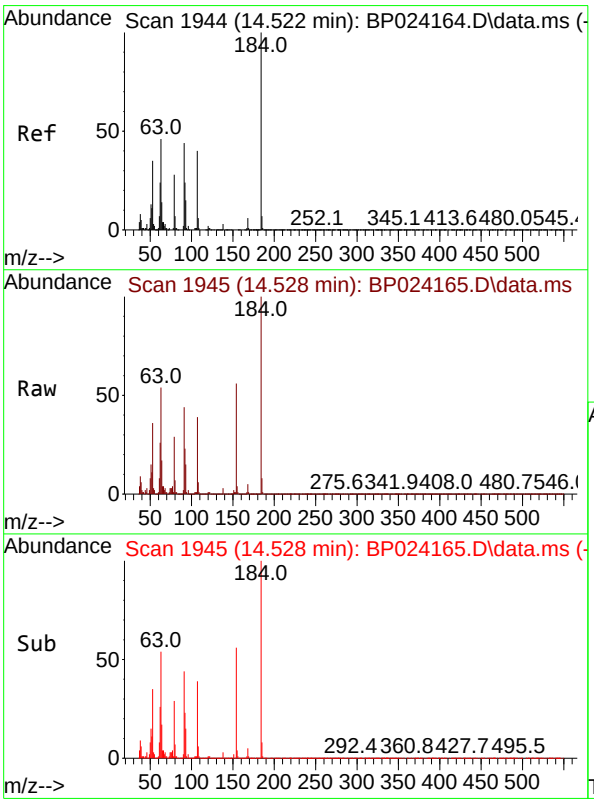
#53
3-Nitroaniline
Concen: 56.128 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

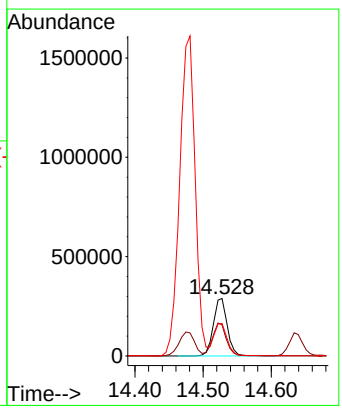


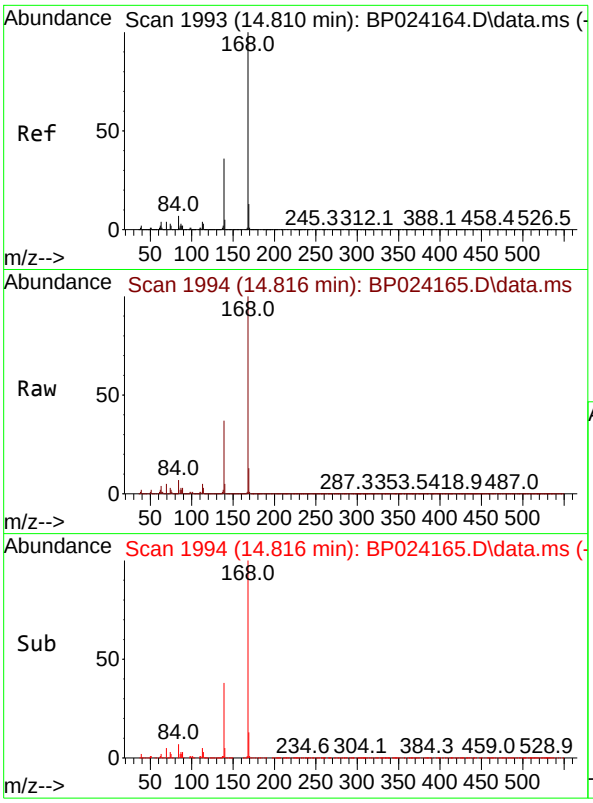


#54
2,4-Dinitrophenol
Concen: 58.439 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



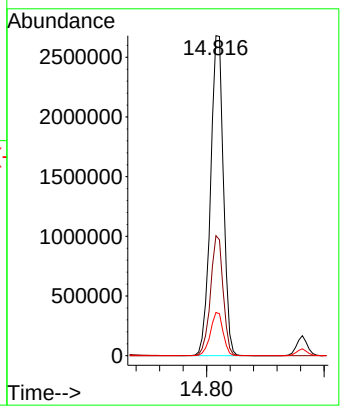


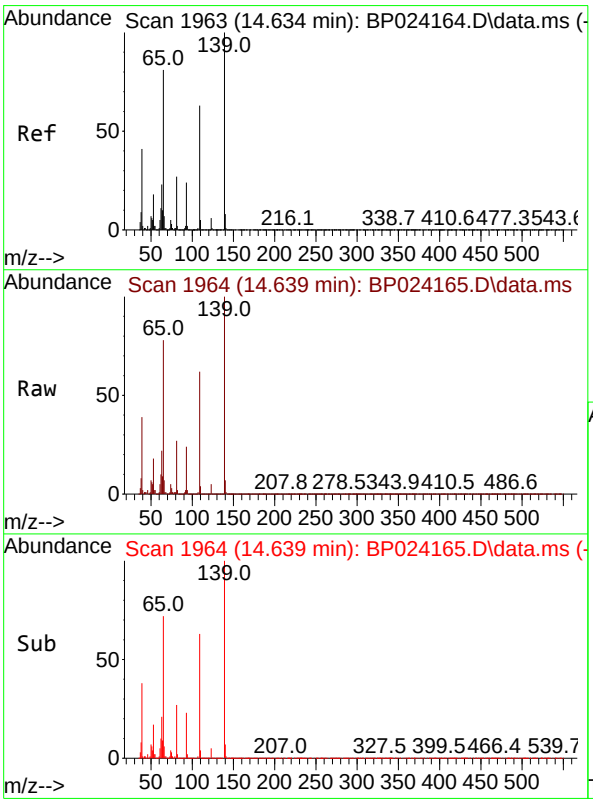
#55
Dibenzofuran
Concen: 48.816 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

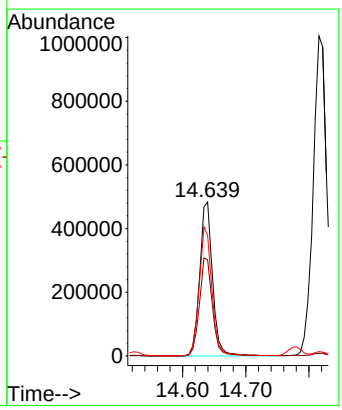


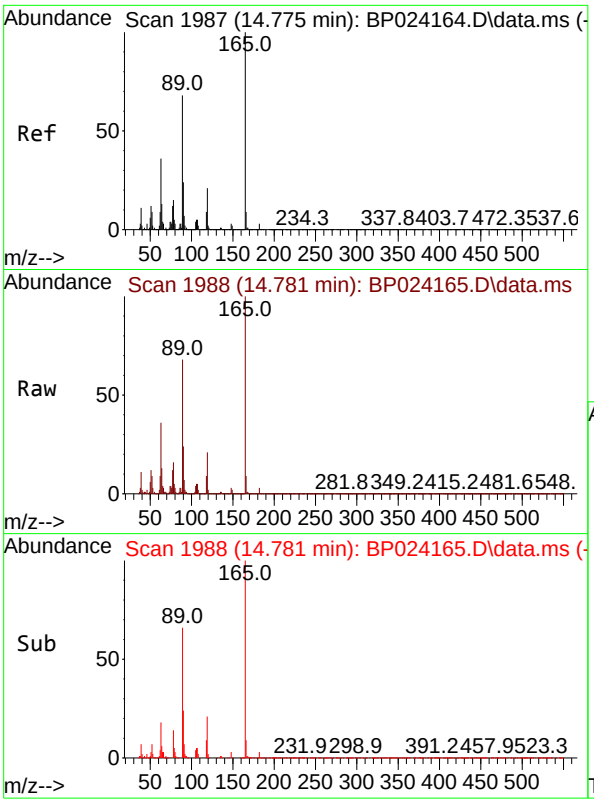


#56
4-Nitrophenol
Concen: 56.382 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



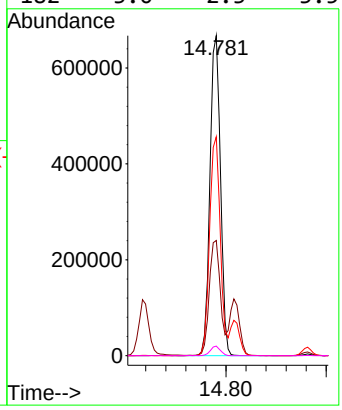


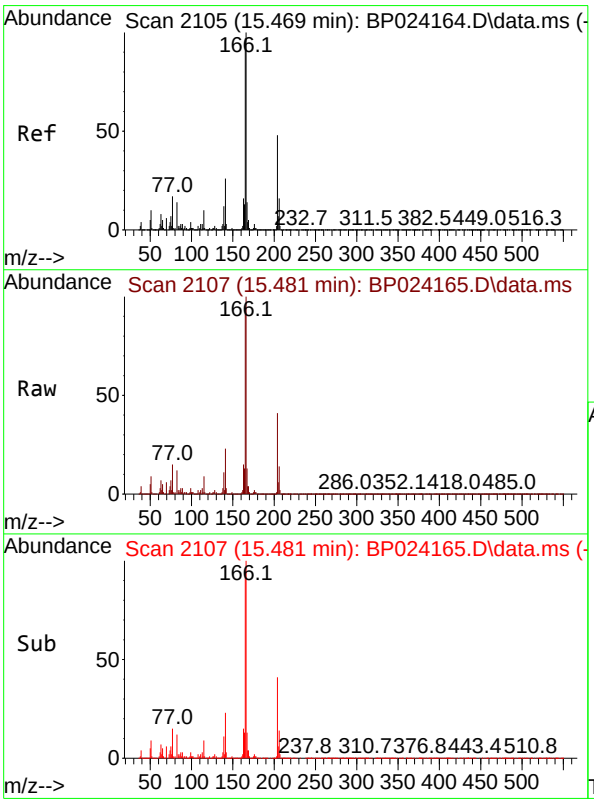
#57
2,4-Dinitrotoluene
Concen: 56.659 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

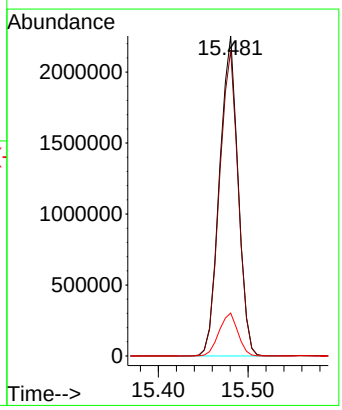


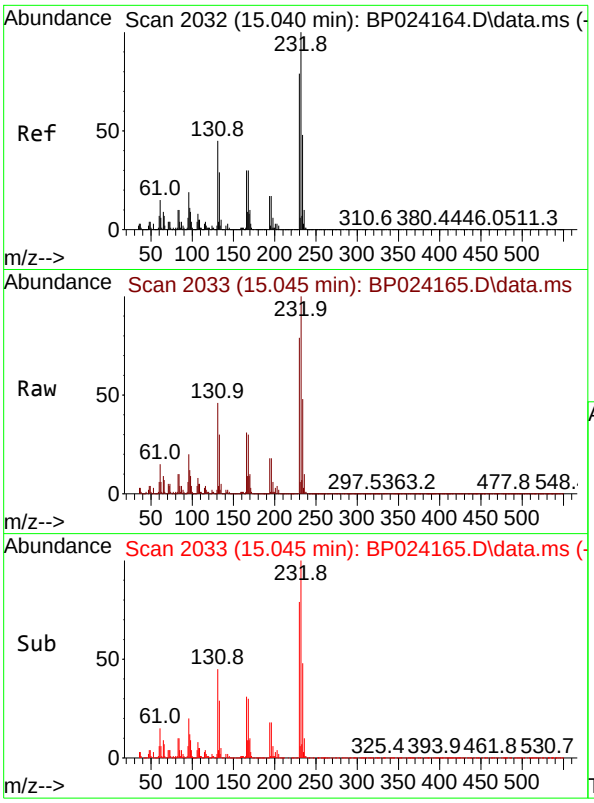


#58
Fluorene
Concen: 49.759 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



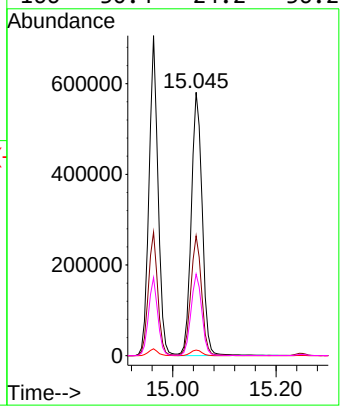


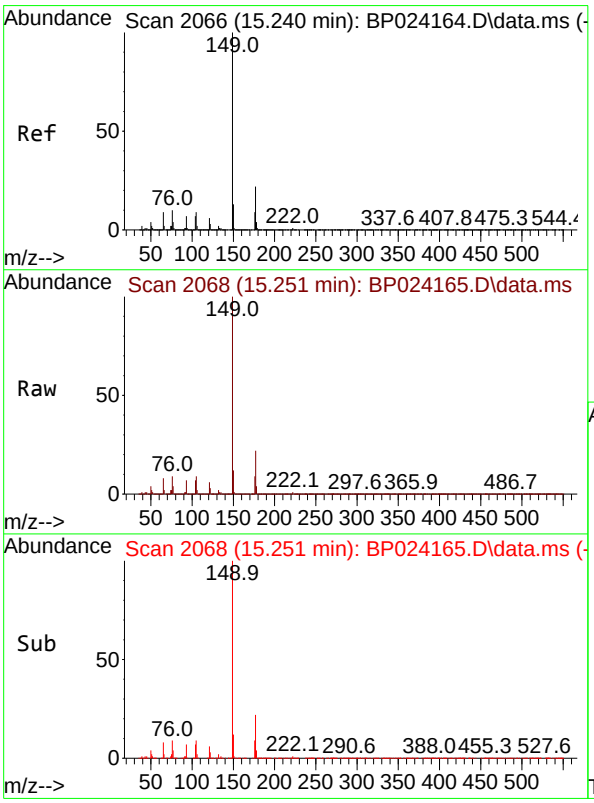
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.152 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

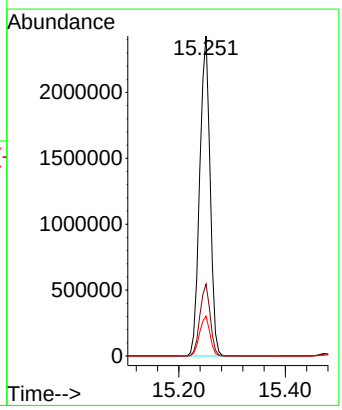


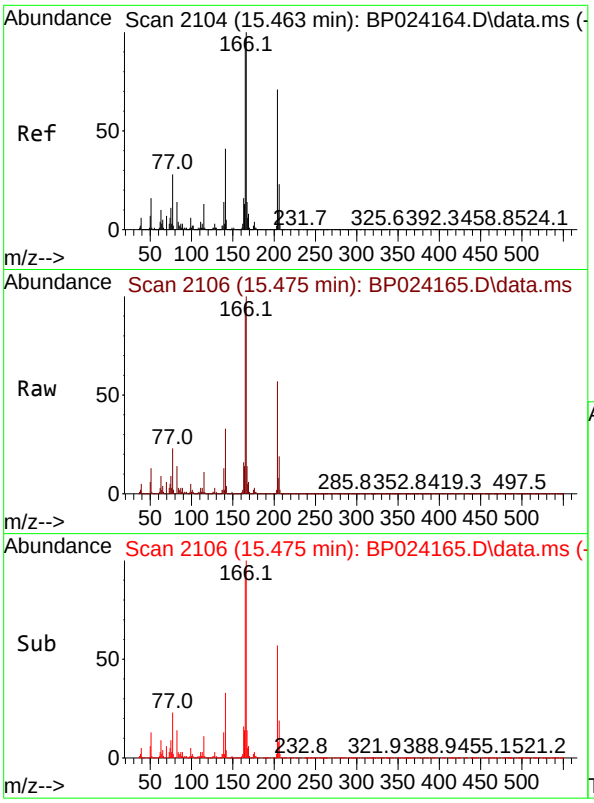


#60
Diethylphthalate
Concen: 50.786 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



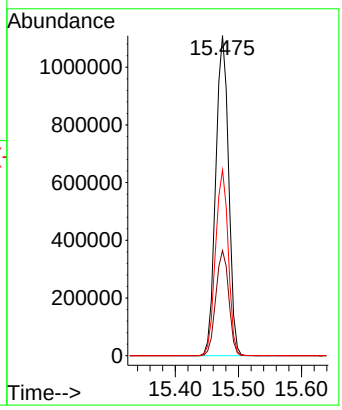


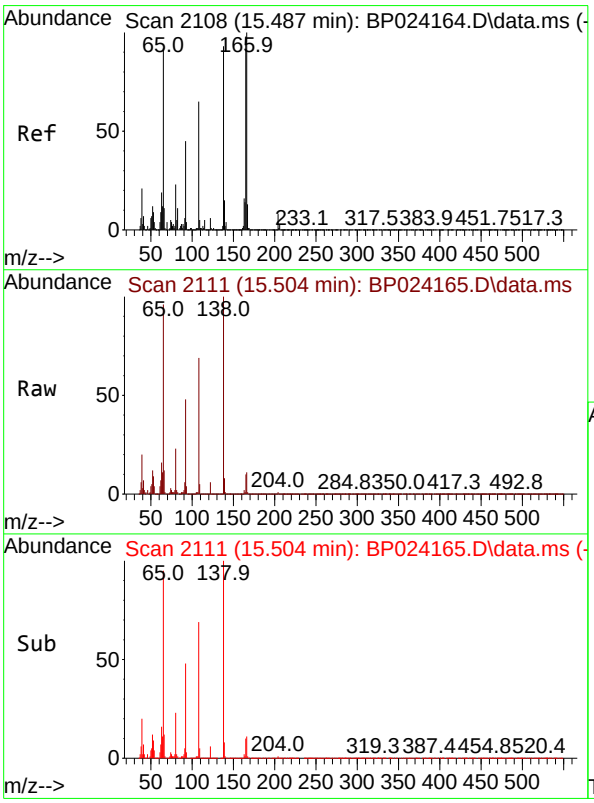
#61
4-Chlorophenyl-phenylether
Concen: 49.216 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

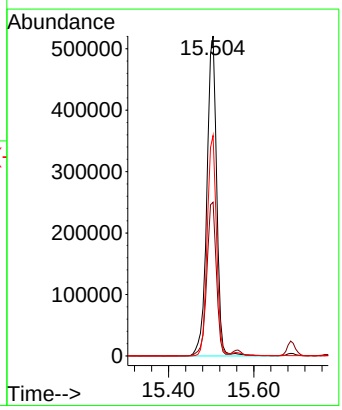


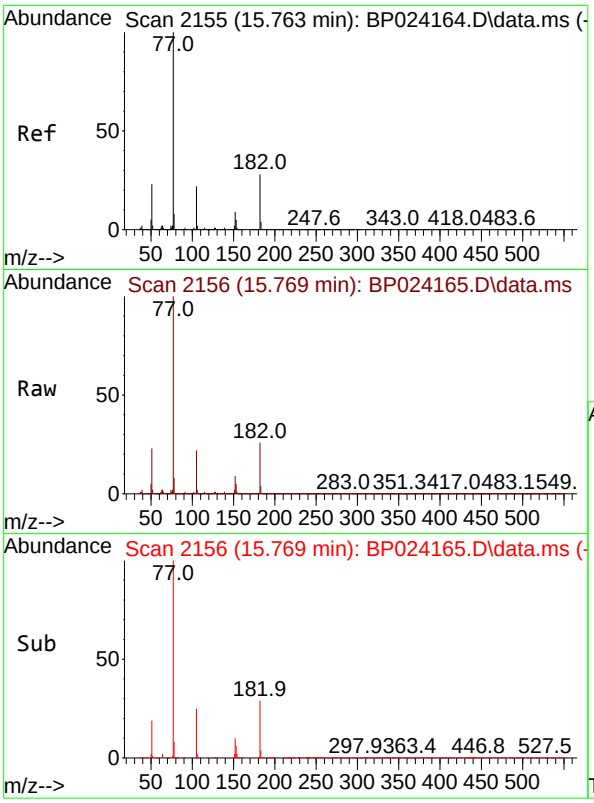


#62
4-Nitroaniline
Concen: 56.889 ng
RT: 15.504 min Scan# 2111
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



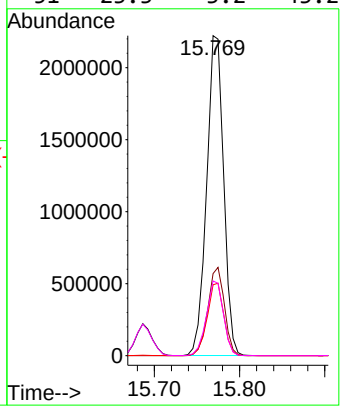


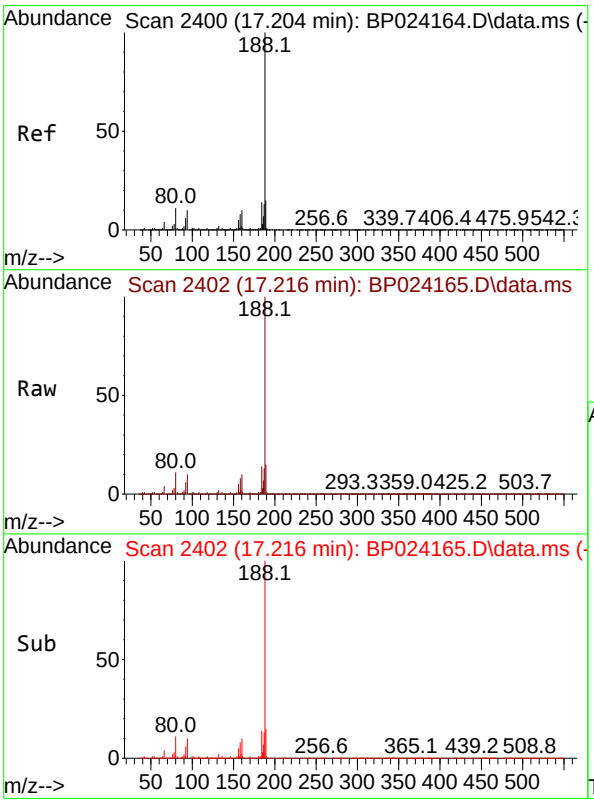
#63
Azobenzene
Concen: 51.085 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

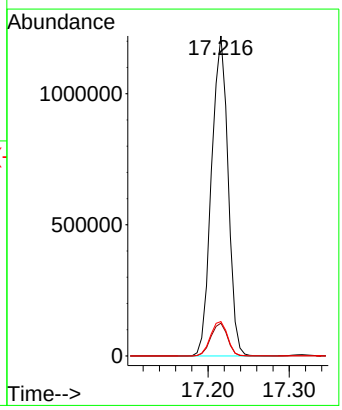


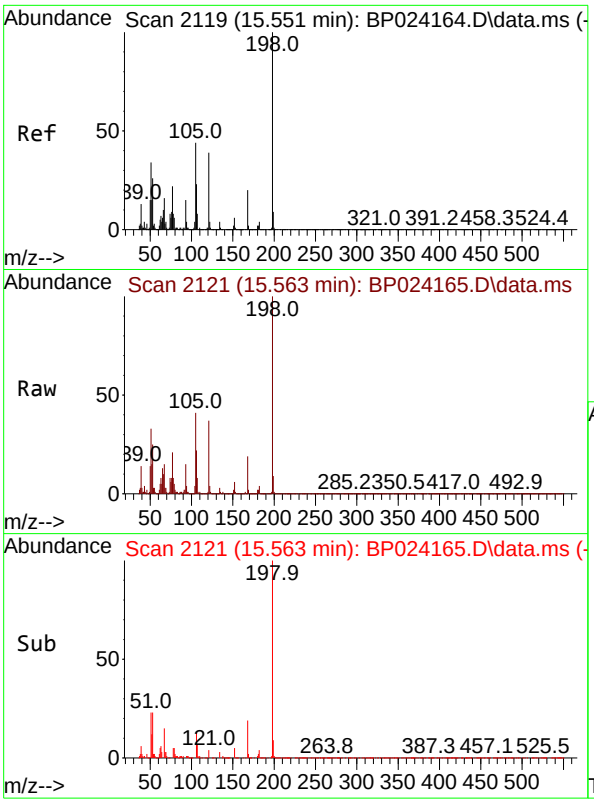


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



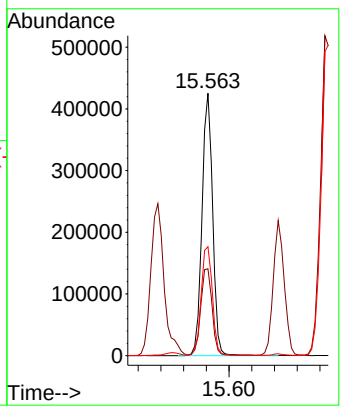


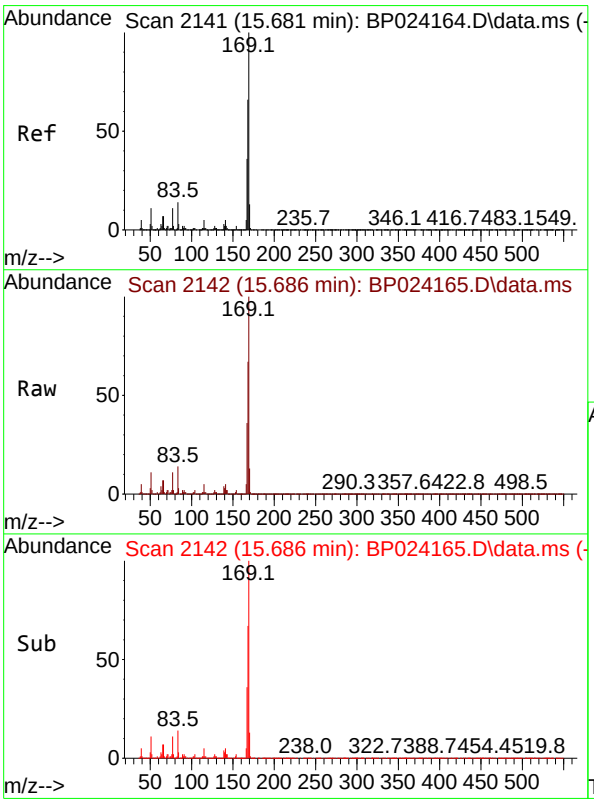
#65
4,6-Dinitro-2-methylphenol
Concen: 55.051 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

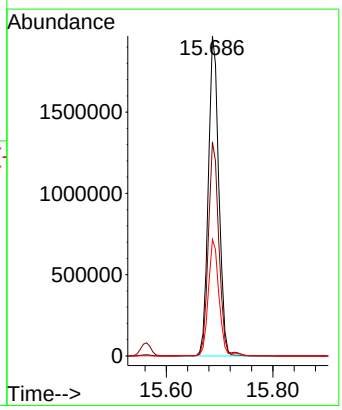


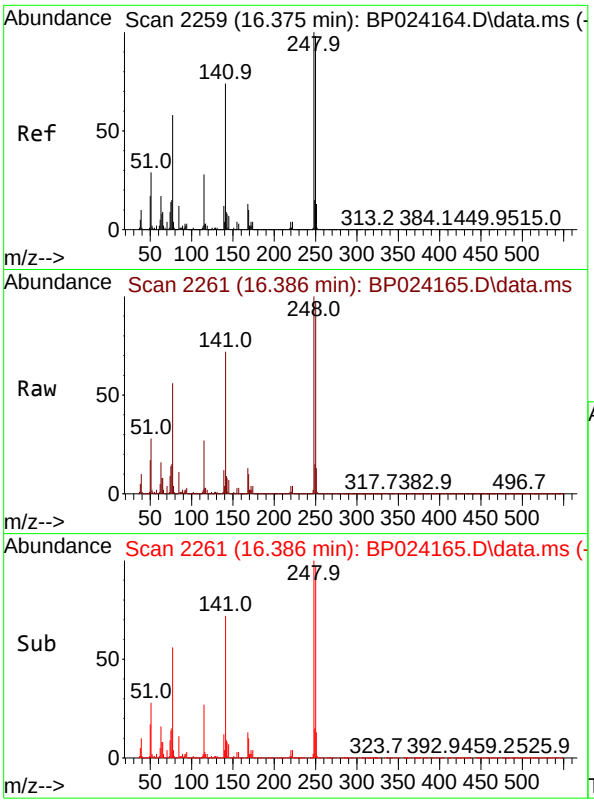


#66
n-Nitrosodiphenylamine
Concen: 49.497 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



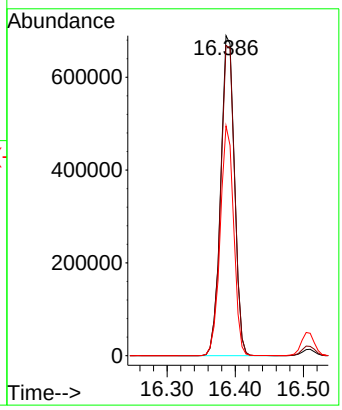


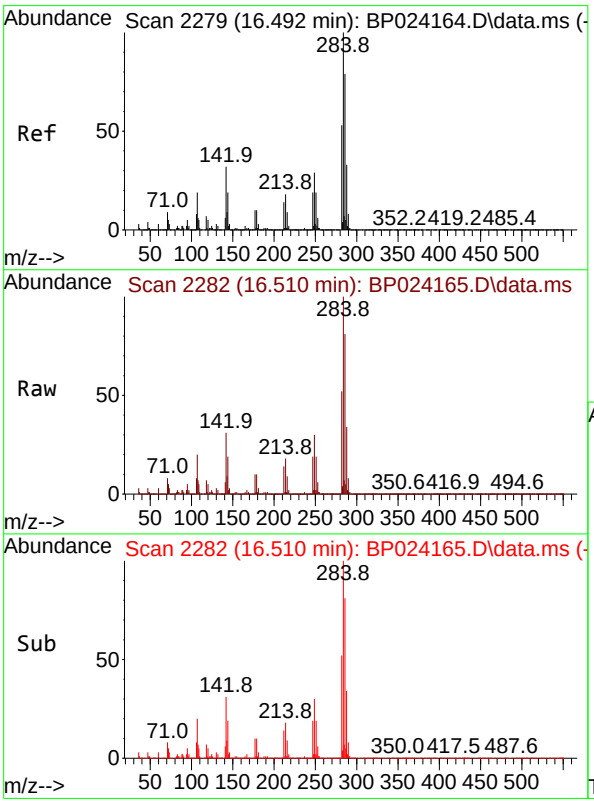
#67
4-Bromophenyl-phenylether
Concen: 49.858 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

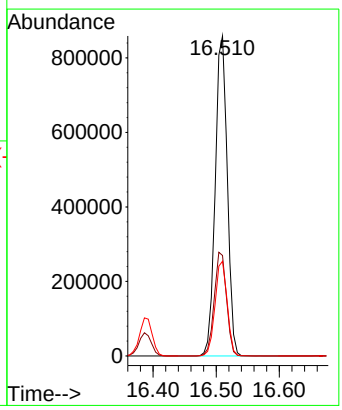


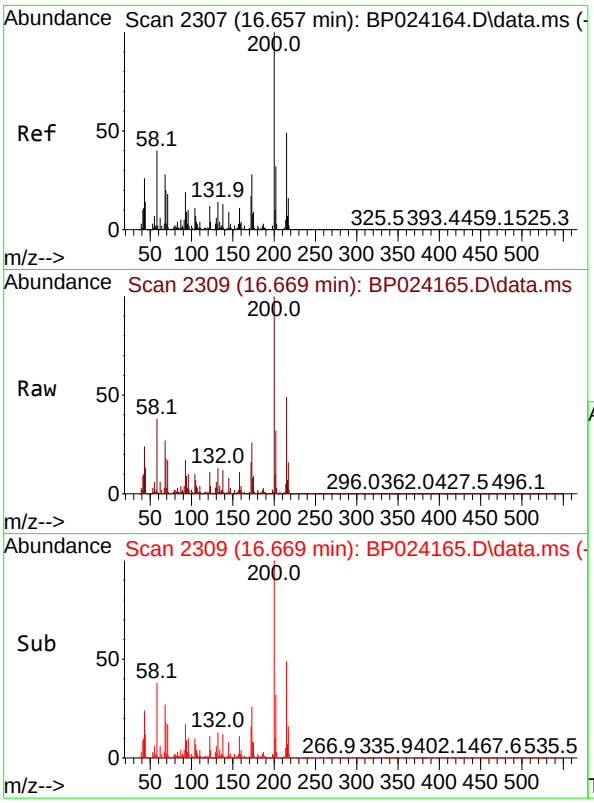


#68
Hexachlorobenzene
Concen: 49.709 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



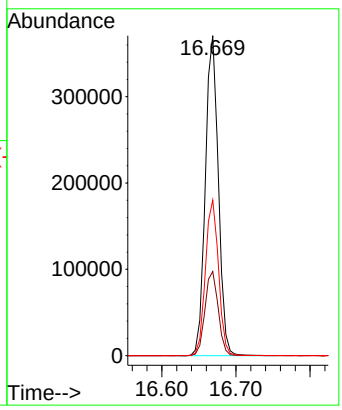


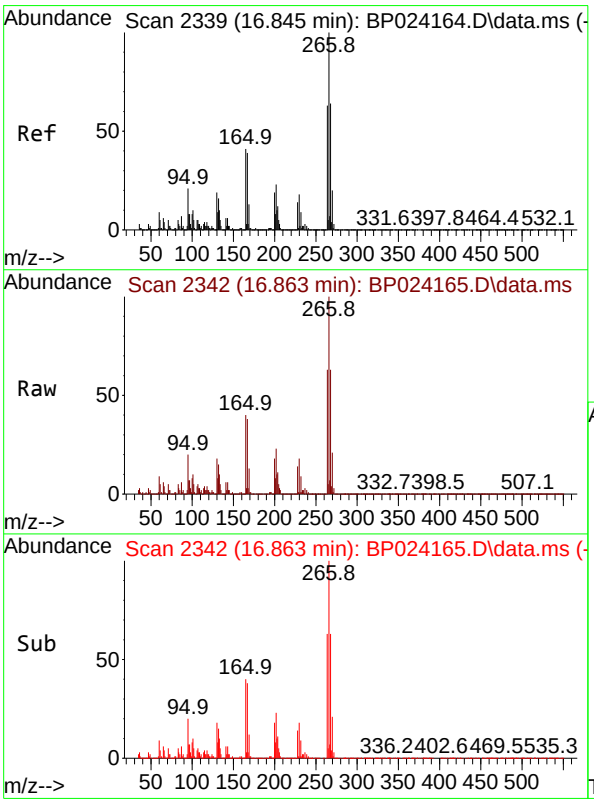
#69
Atrazine
Concen: 32.672 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

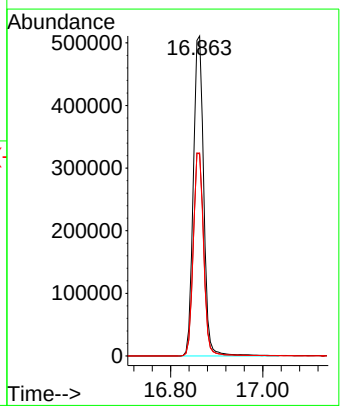


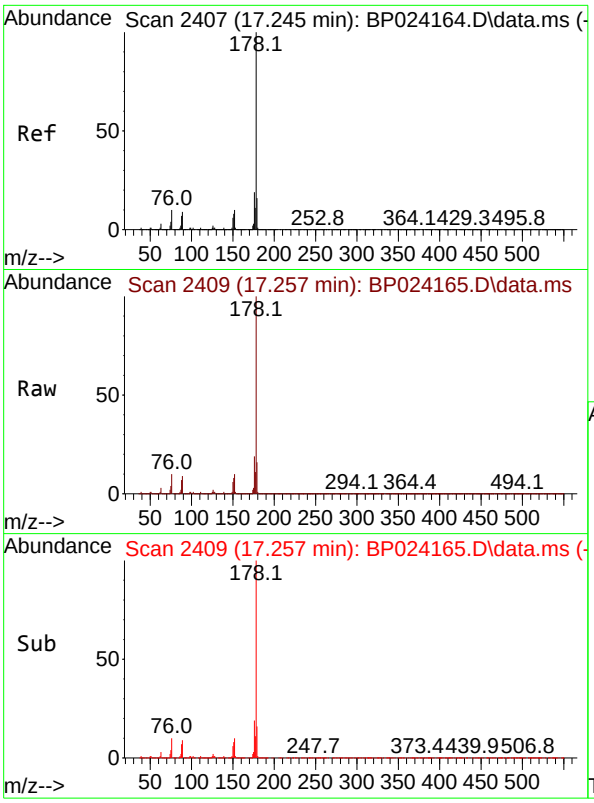


#70
Pentachlorophenol
Concen: 53.644 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



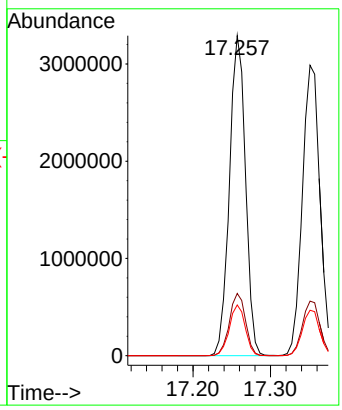


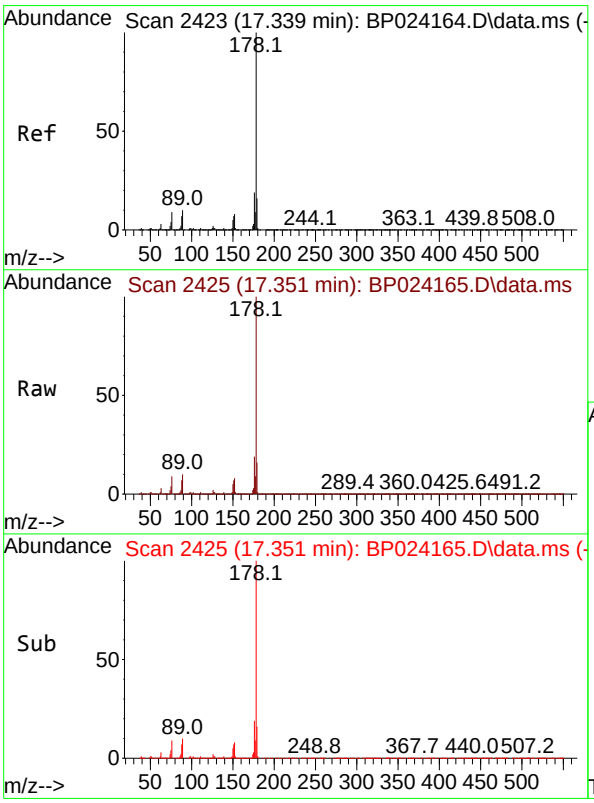
#71
Phenanthrene
Concen: 48.797 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

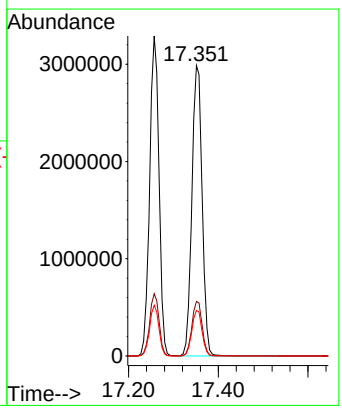


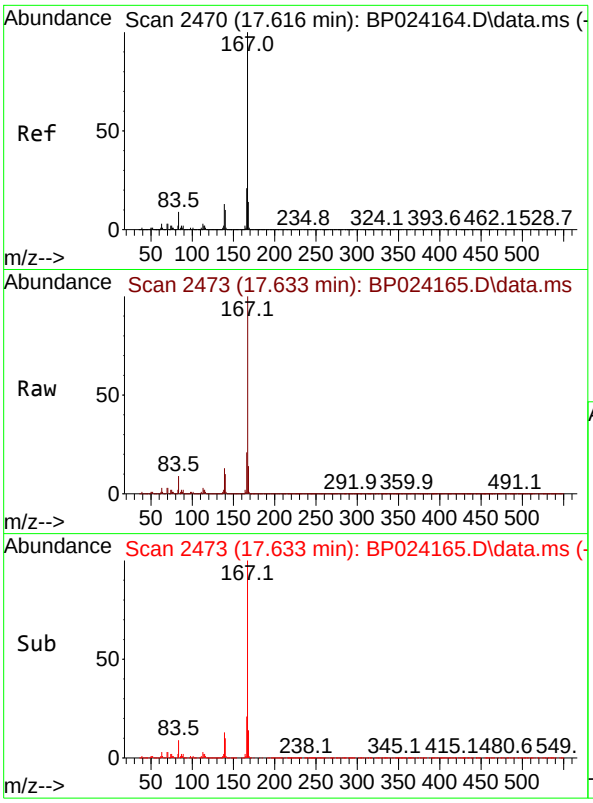


#72
Anthracene
Concen: 50.526 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



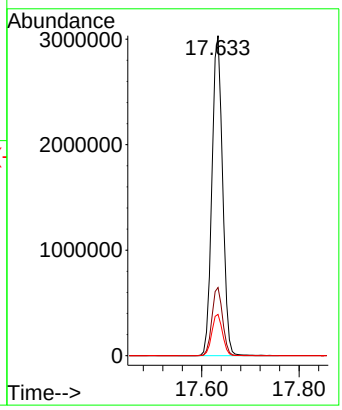


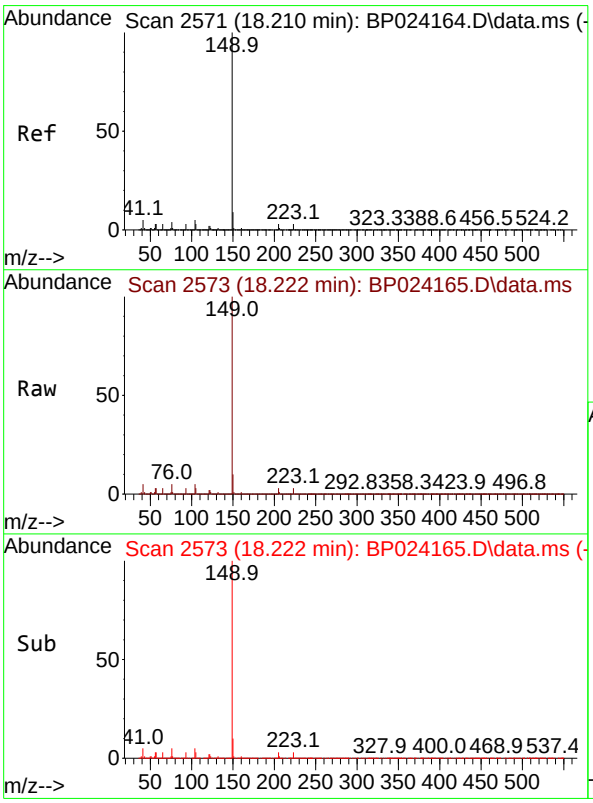
#73
Carbazole
Concen: 51.485 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

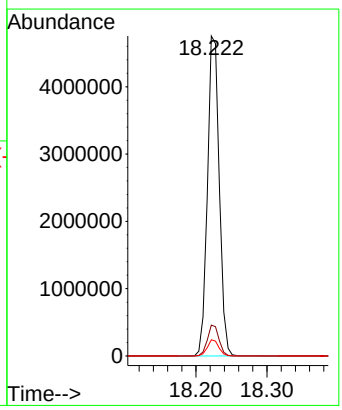


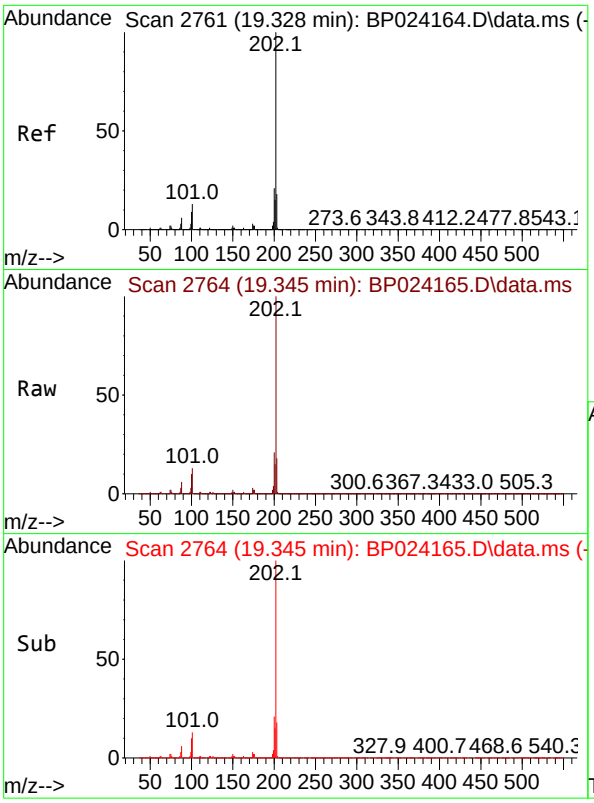


#74
Di-n-butylphthalate
Concen: 52.951 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



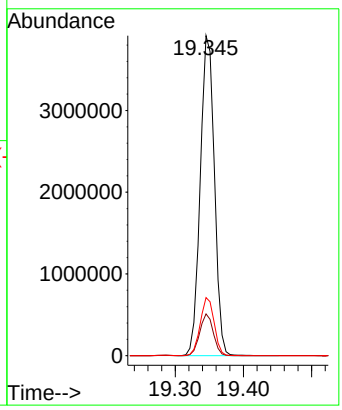


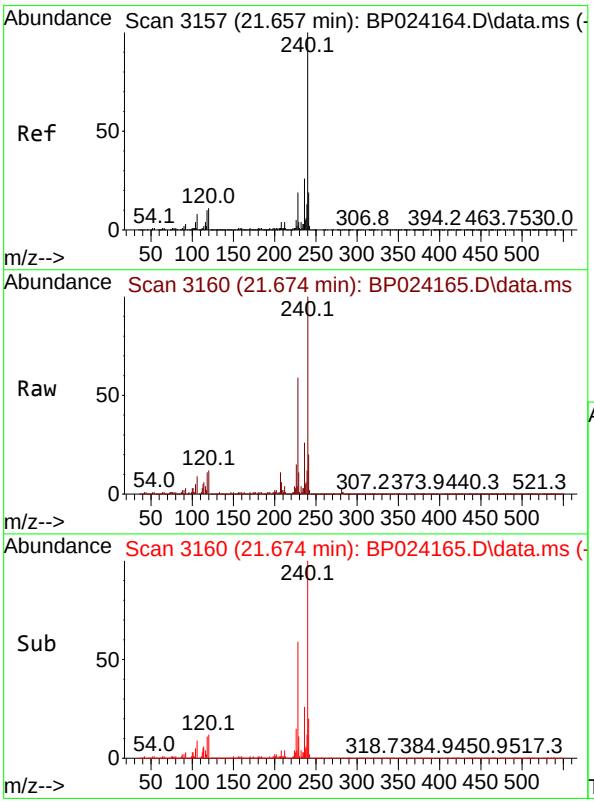
#75
Fluoranthene
Concen: 51.163 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

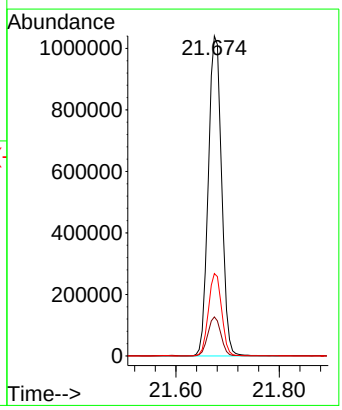


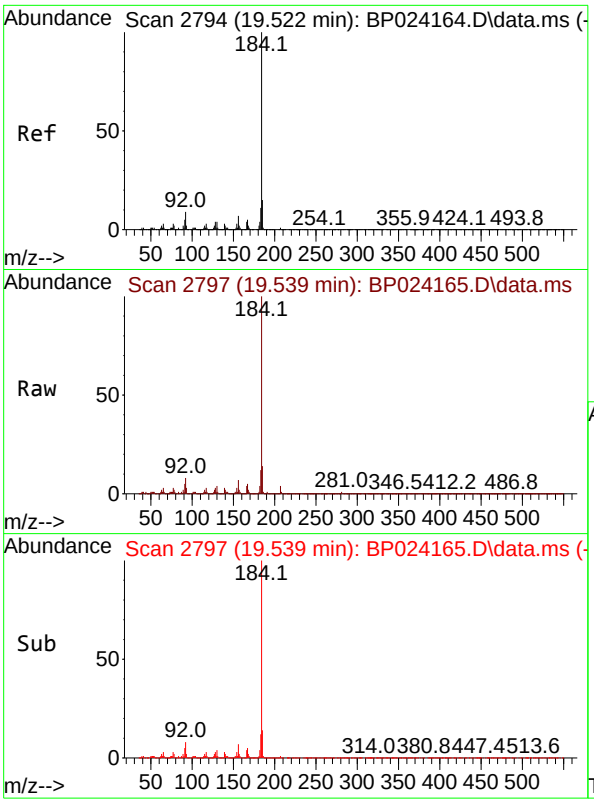


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



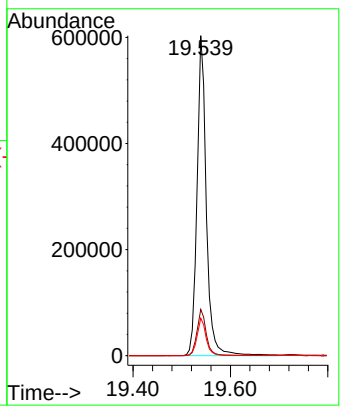


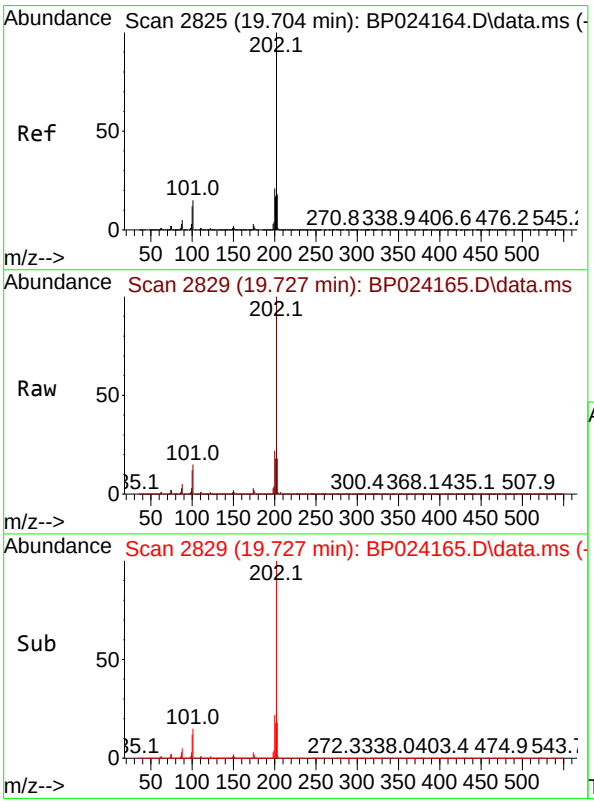
#77
Benzidine
Concen: 35.585 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

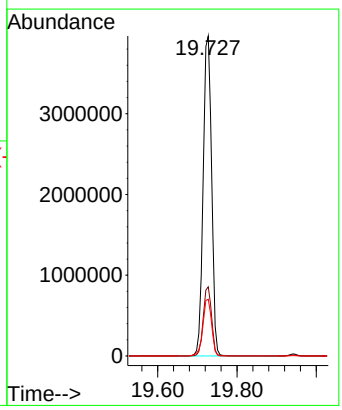


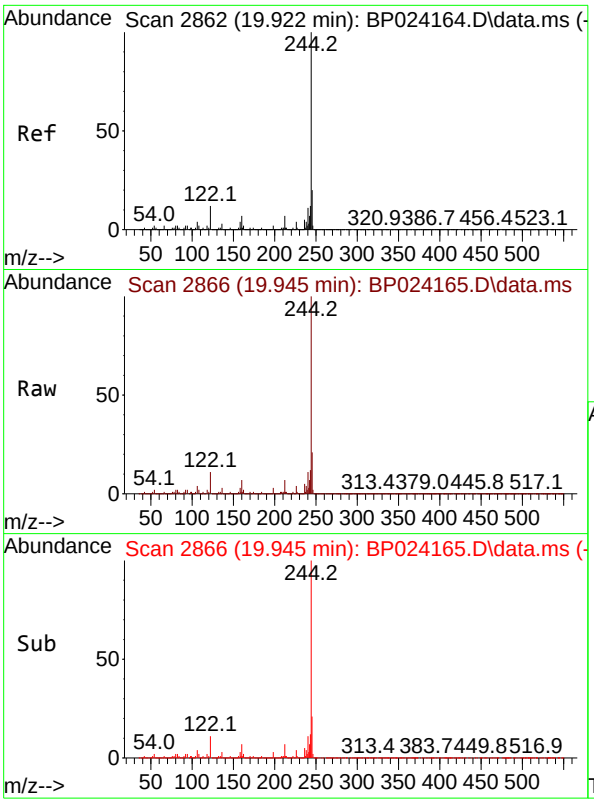


#78
Pyrene
Concen: 49.843 ng
RT: 19.727 min Scan# 2829
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



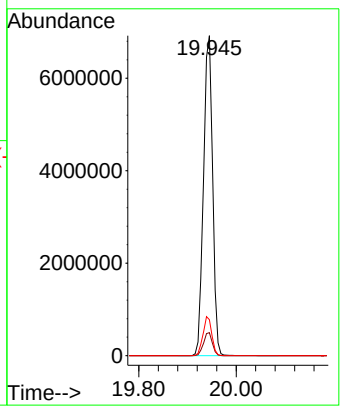


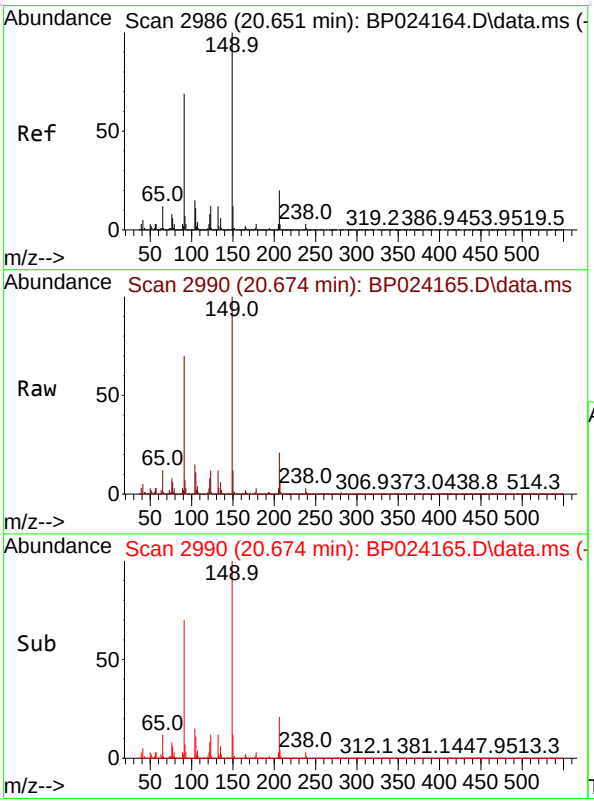
#79
Terphenyl-d14
Concen: 95.606 ng
RT: 19.945 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

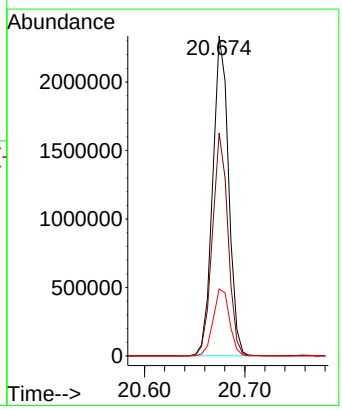


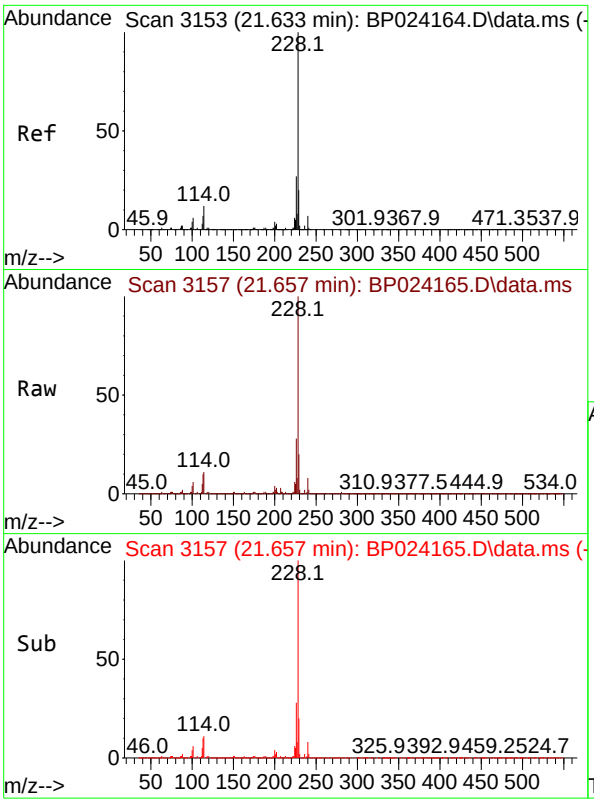


#80
Butylbenzylphthalate
Concen: 56.920 ng
RT: 20.674 min Scan# 2990
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



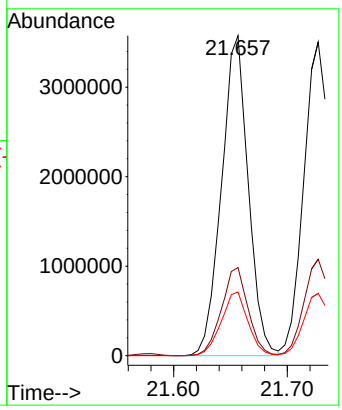


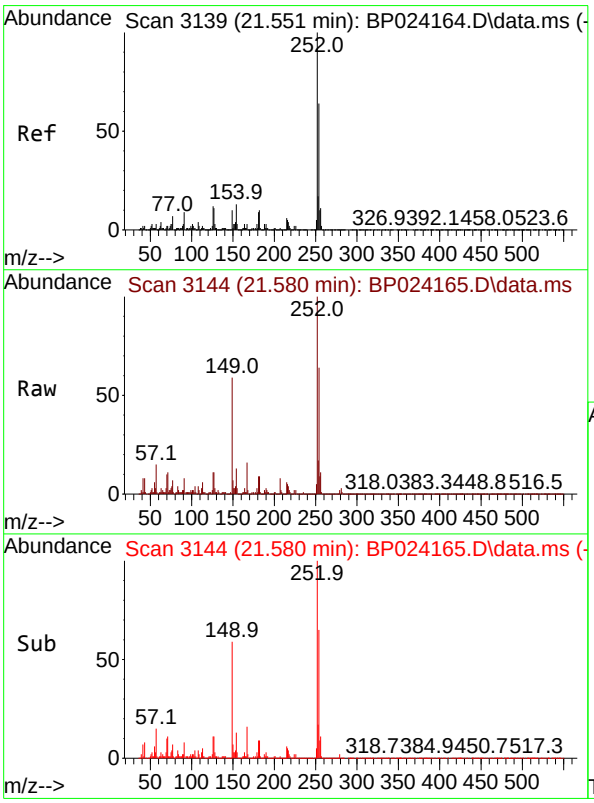
#81
Benzo(a)anthracene
Concen: 50.277 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

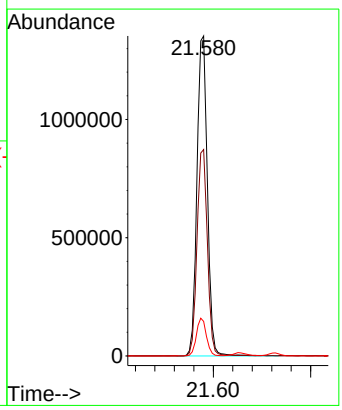


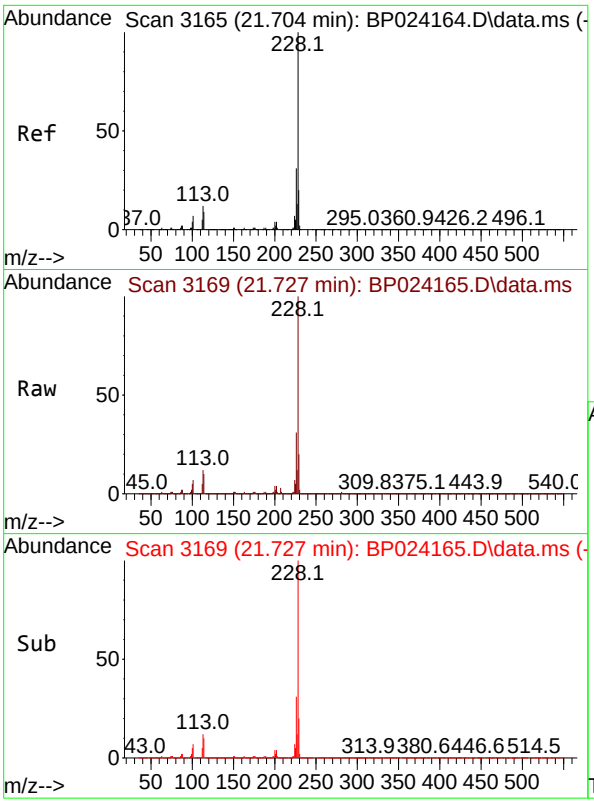


#82
3,3'-Dichlorobenzidine
Concen: 55.414 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



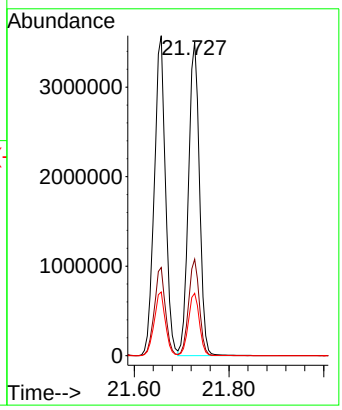


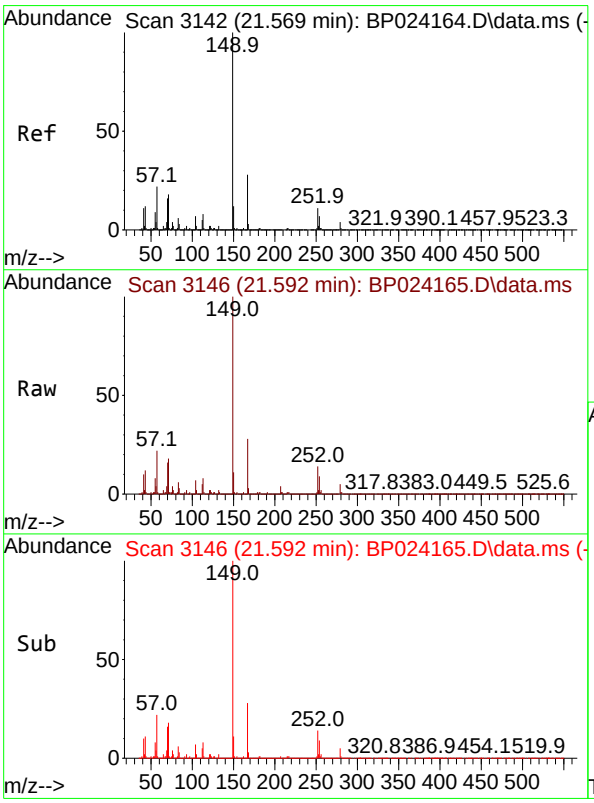
#83
Chrysene
Concen: 50.126 ng
RT: 21.727 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

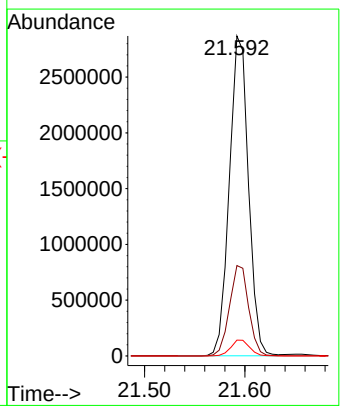


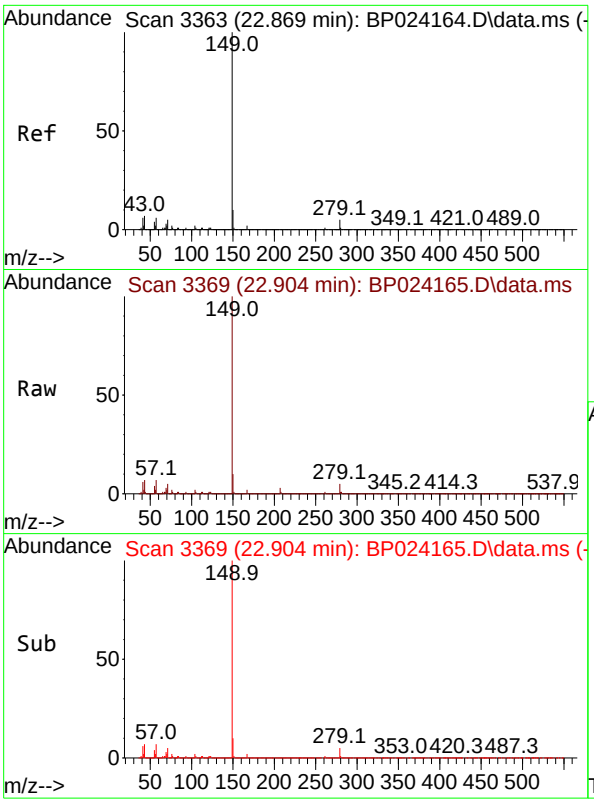


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.499 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



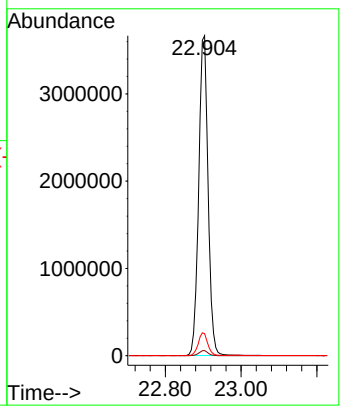


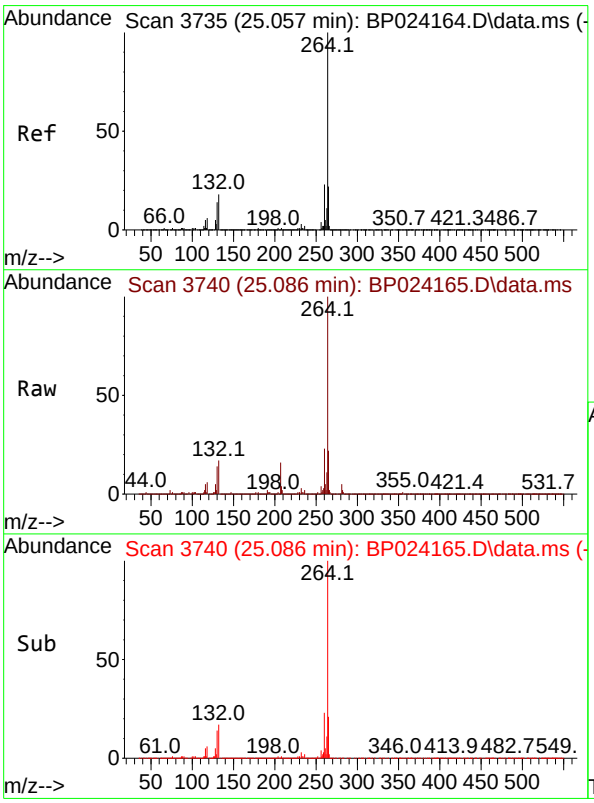
#85
Di-n-octyl phthalate
Concen: 57.516 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

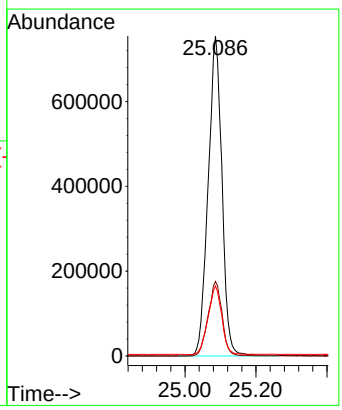


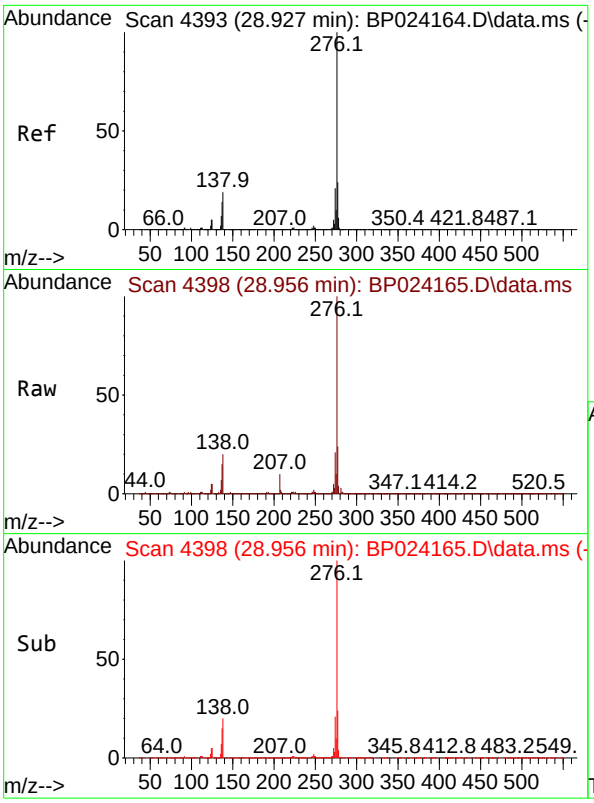


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 3740
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



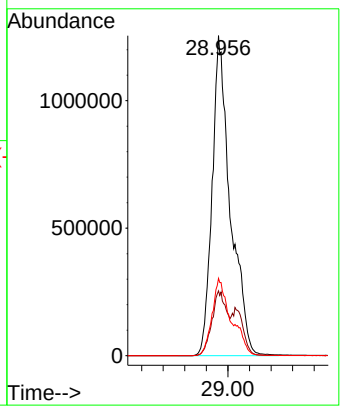


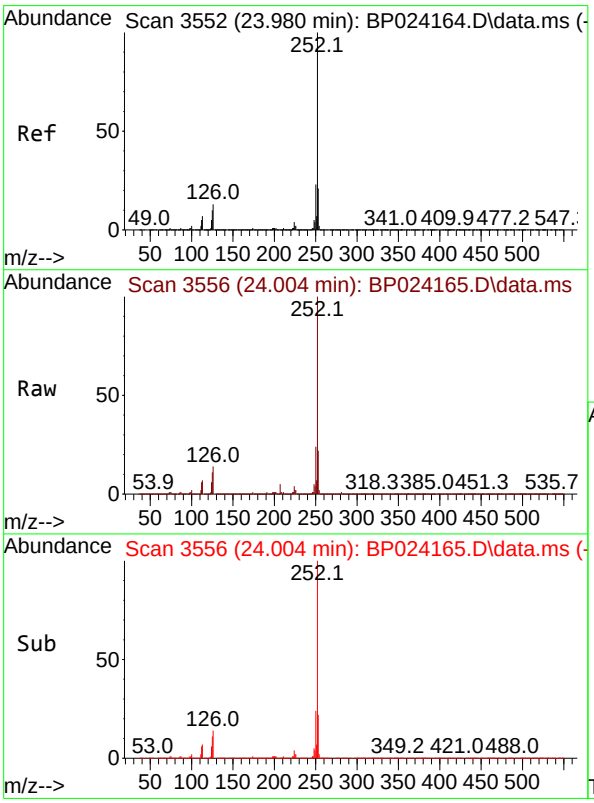
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.680 ng
RT: 28.956 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

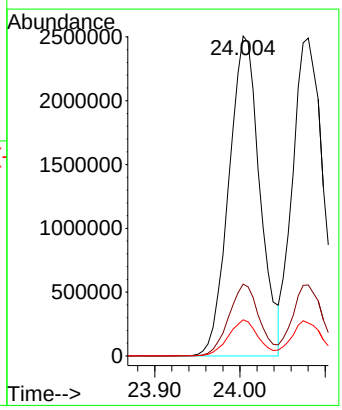


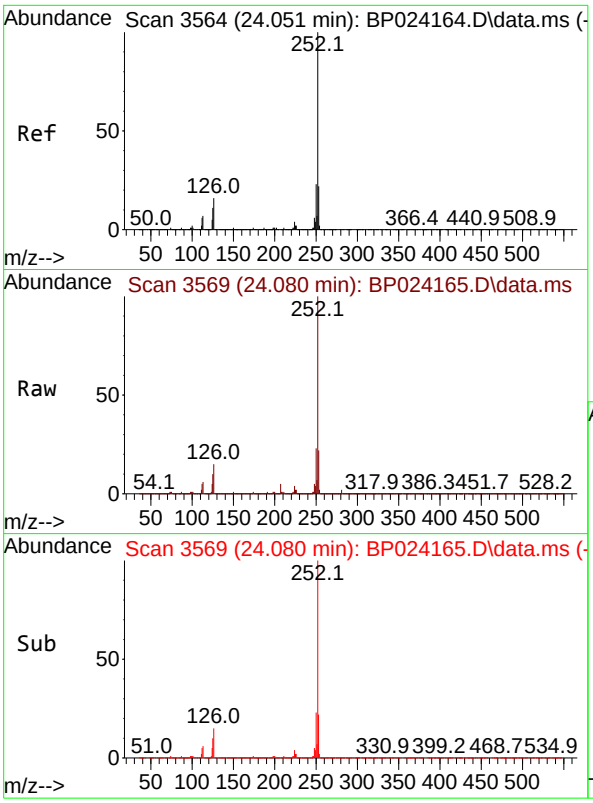


#88
Benzo(b)fluoranthene
Concen: 48.959 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



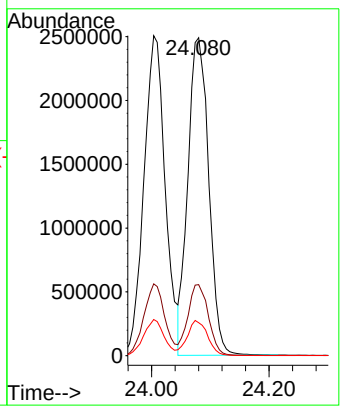


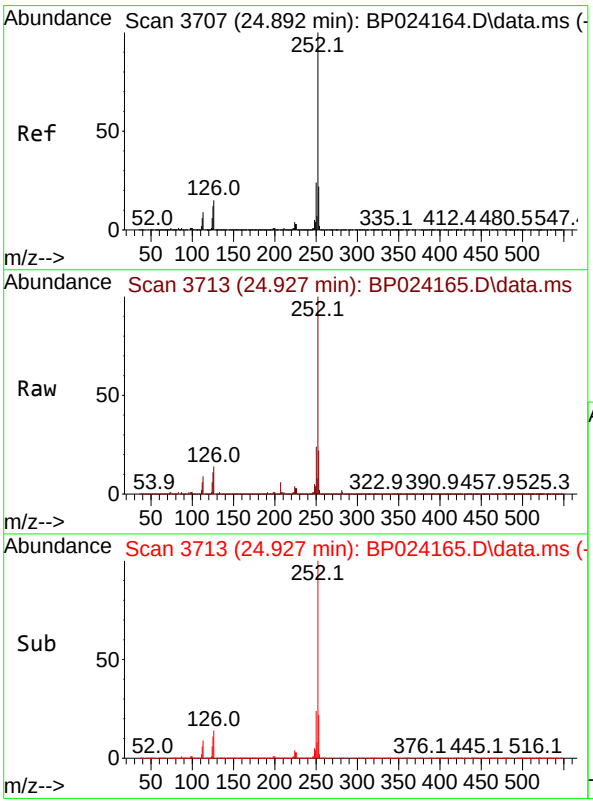
#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

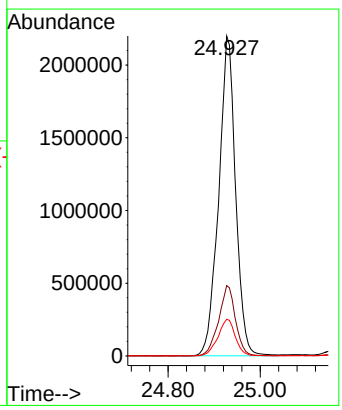


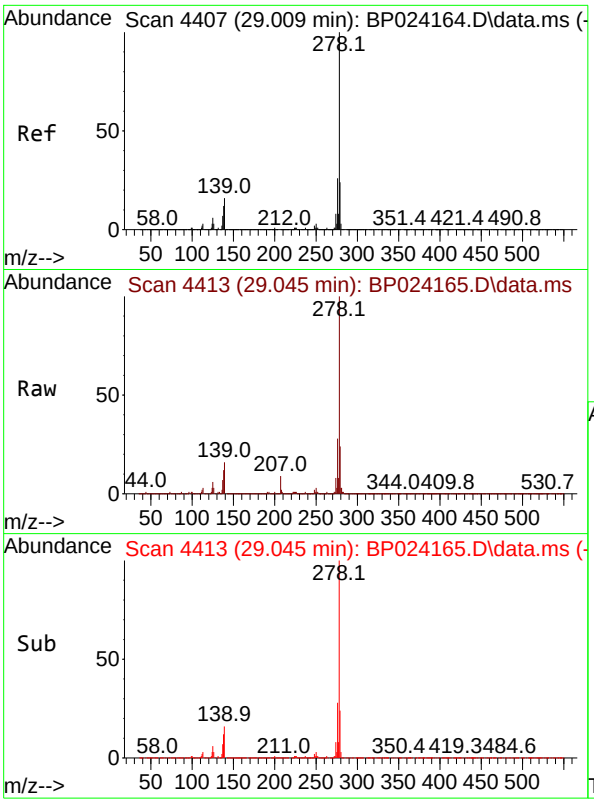


#90
Benzo(a)pyrene
Concen: 50.770 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



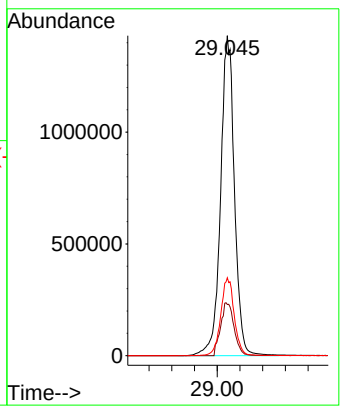


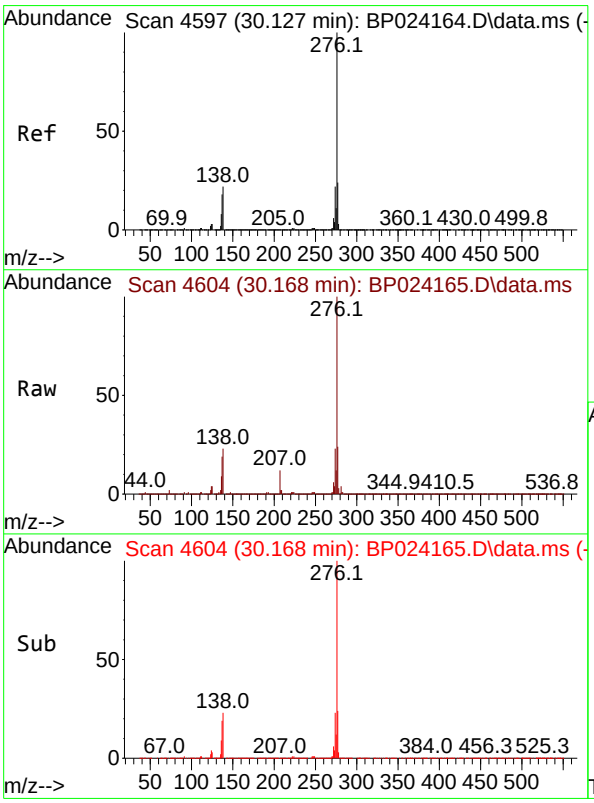
#91
Dibenzo(a,h)anthracene
Concen: 49.766 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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

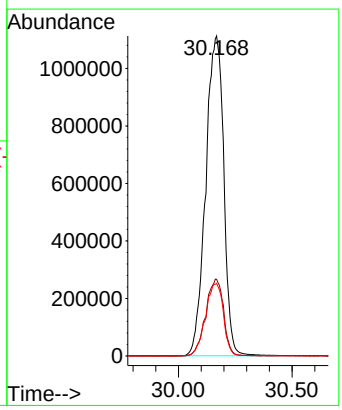




#92
Benzo(g,h,i)perylene
Concen: 49.509 ng
RT: 30.168 min Scan# 4604
Delta R.T. 0.041 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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



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

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

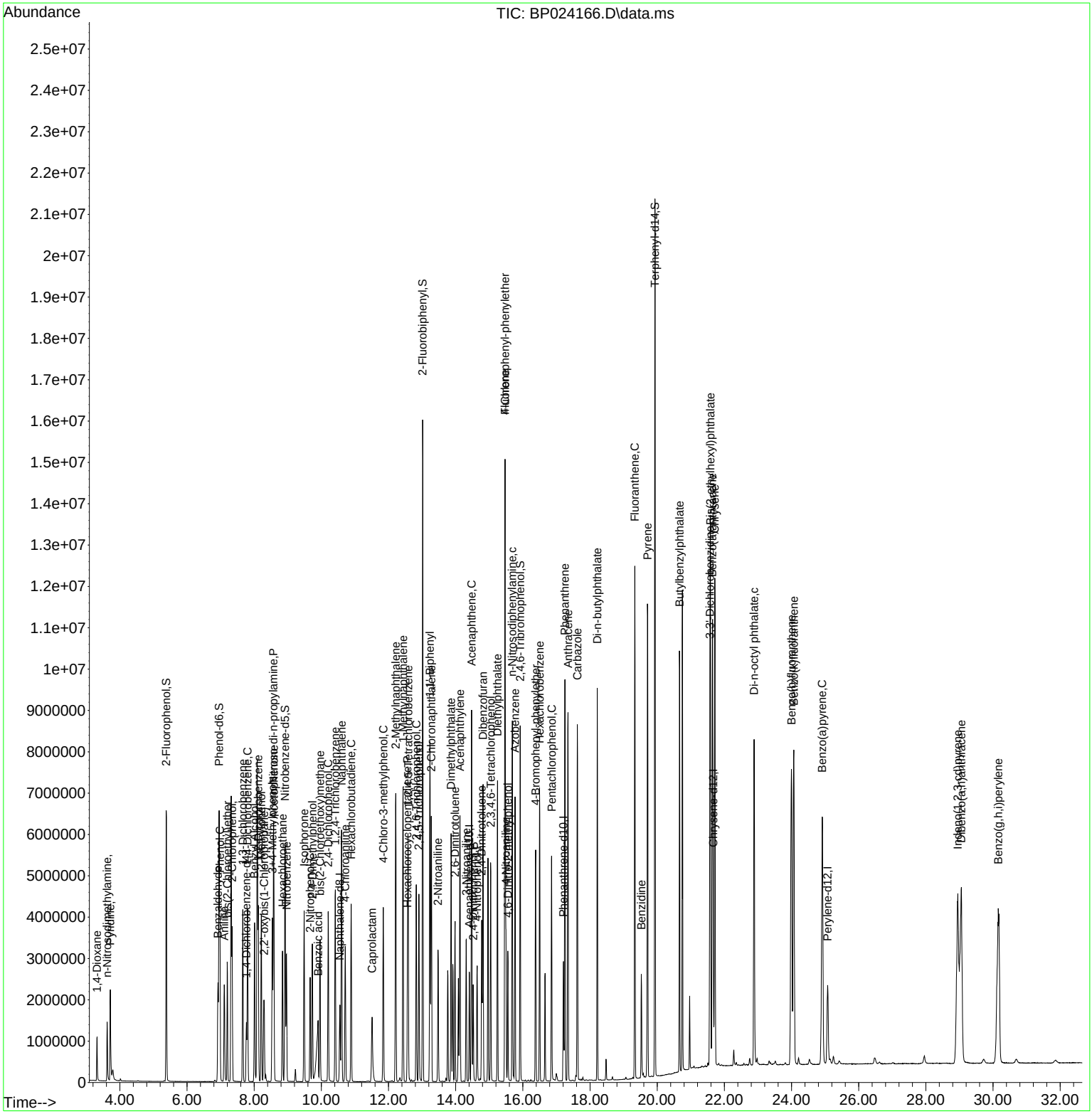
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	1233147	64.282	ng	99
46) 1,1'-Biphenyl	13.234	154	4312903	59.291	ng	99
47) 2-Chloronaphthalene	13.275	162	3269176	59.452	ng	100
48) 2-Nitroaniline	13.475	65	890207	68.533	ng	99
49) Acenaphthylene	14.128	152	5025011	62.024	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

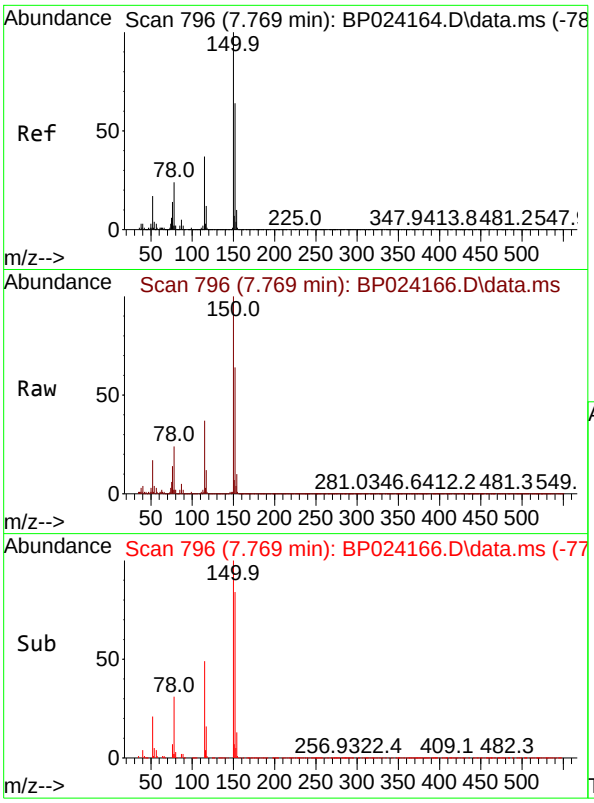
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



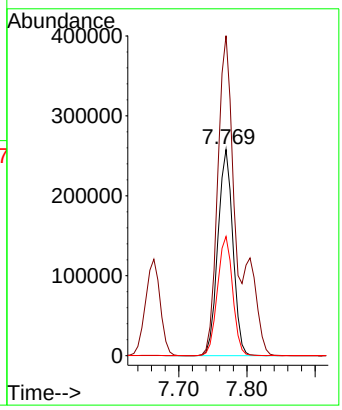


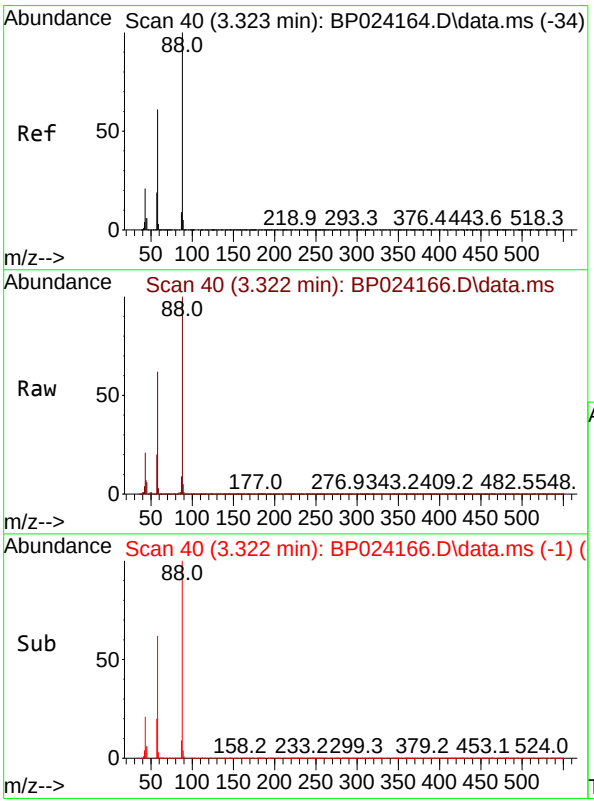
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

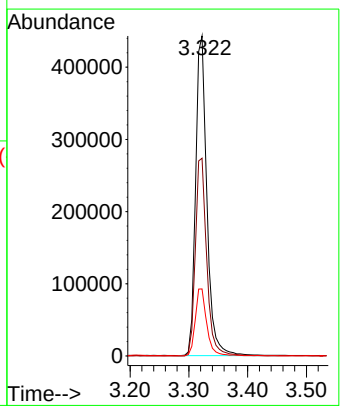


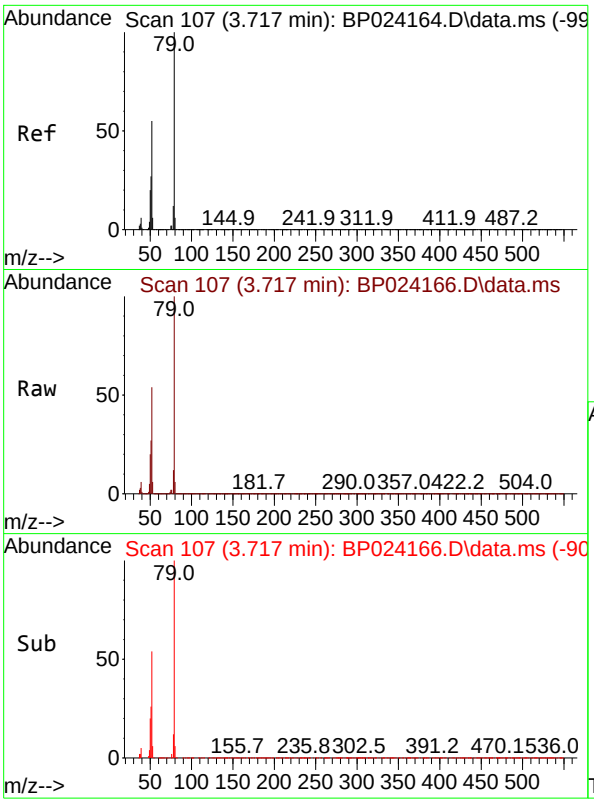


#2
1,4-Dioxane
Concen: 59.385 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



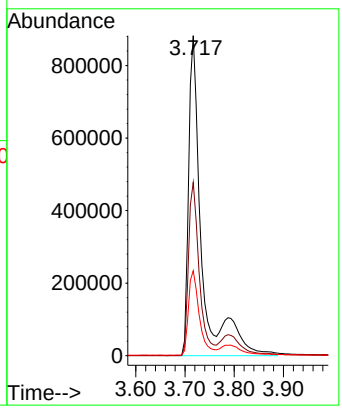


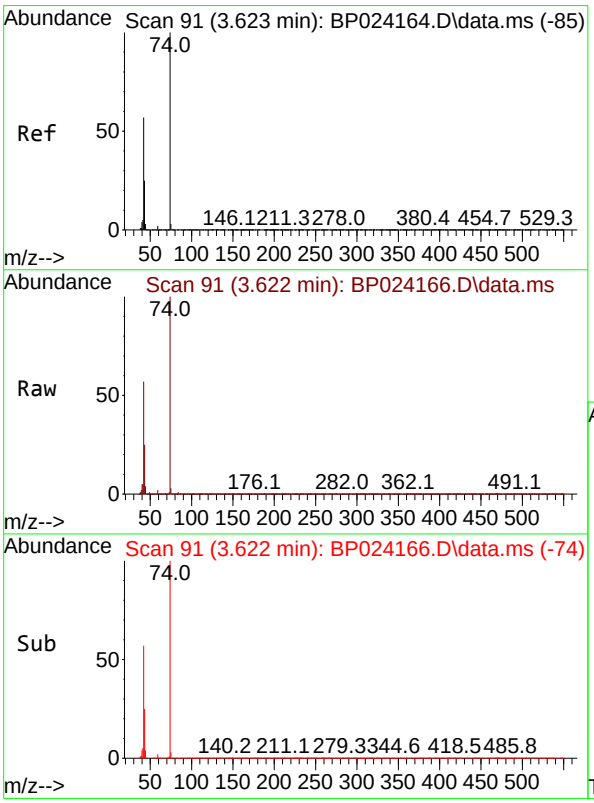
#3
Pyridine
Concen: 64.153 ng m
RT: 3.717 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

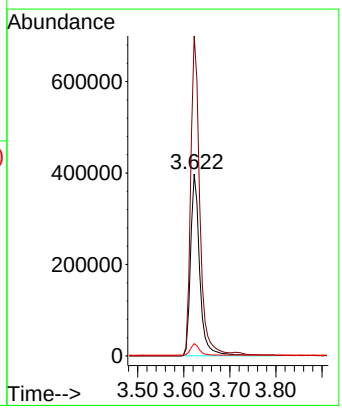


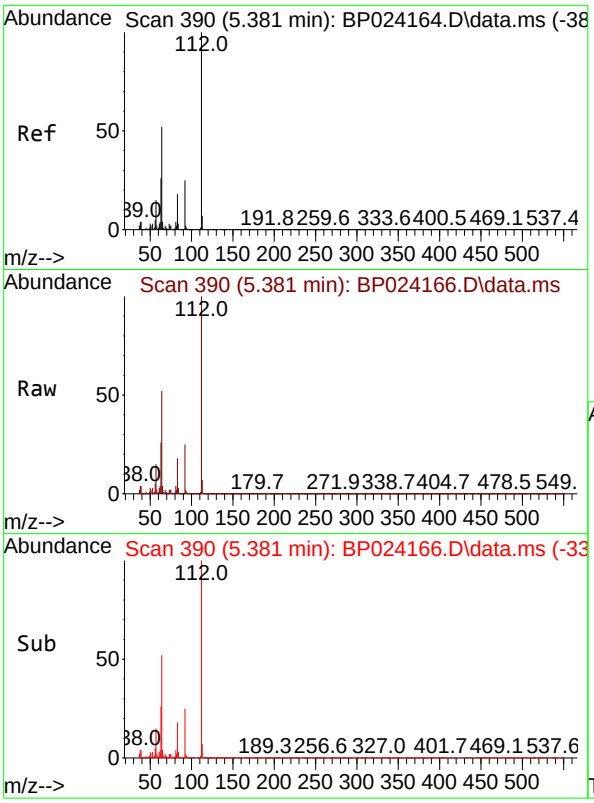


#4
n-Nitrosodimethylamine
Concen: 60.270 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



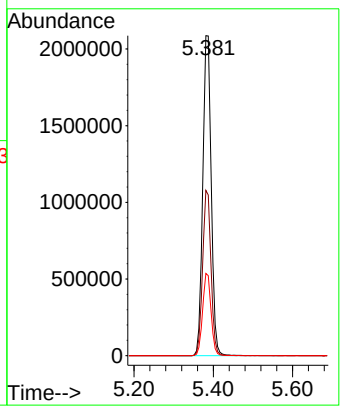


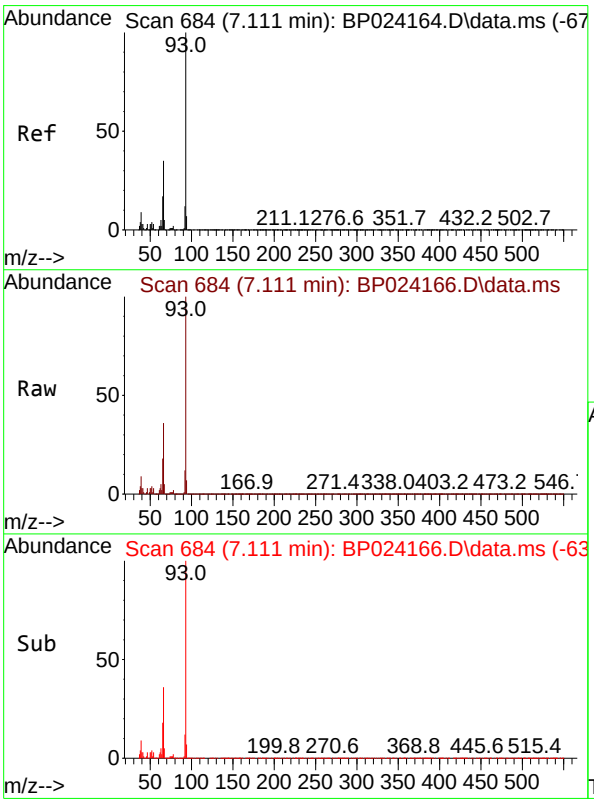
#5
2-Fluorophenol
Concen: 122.332 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

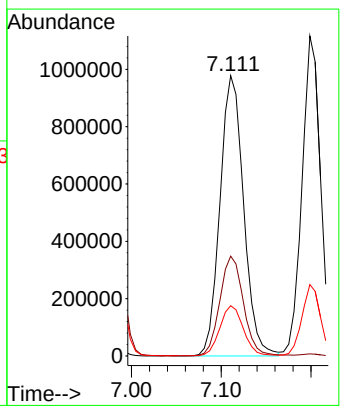


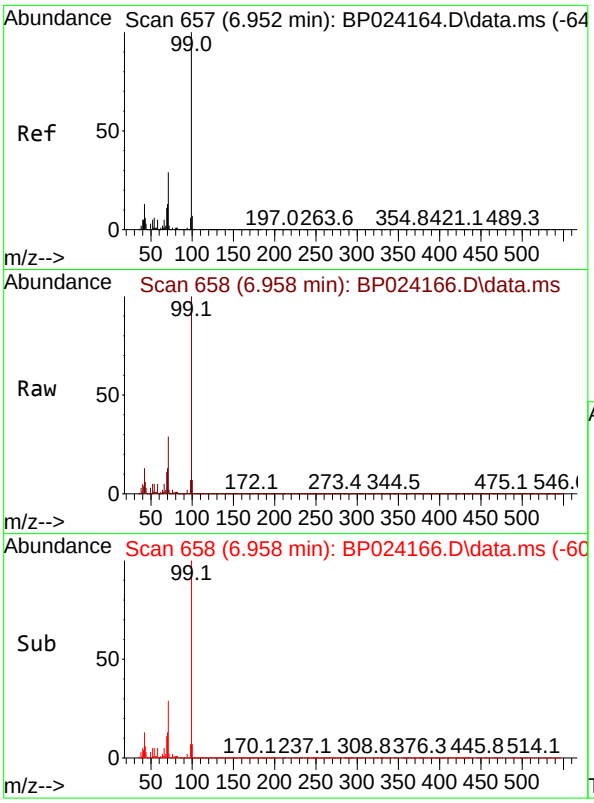


#6
Aniline
Concen: 60.115 ng
RT: 7.111 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



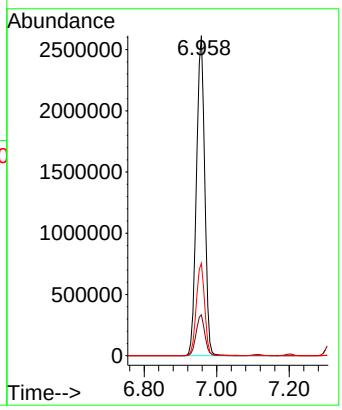


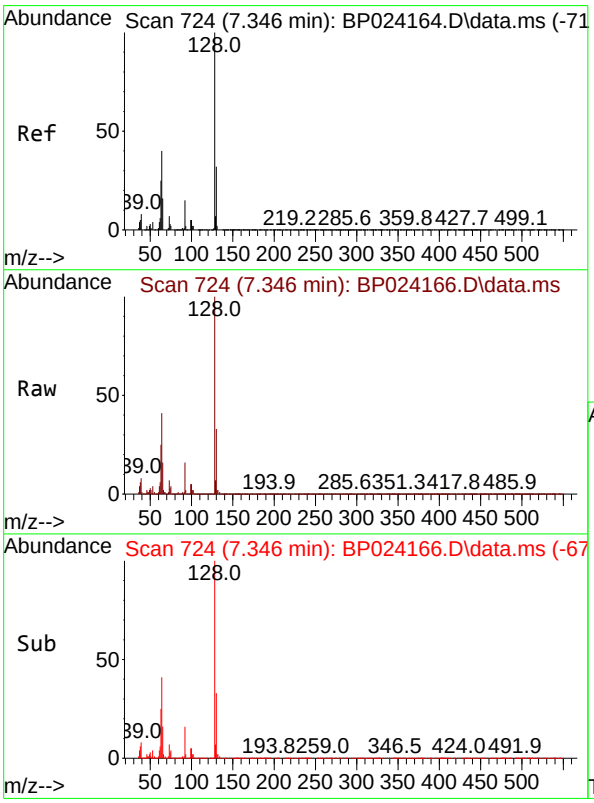
#7
Phenol-d6
Concen: 127.785 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

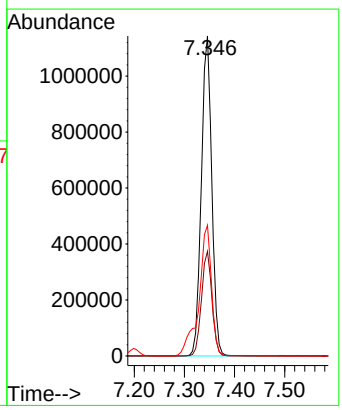


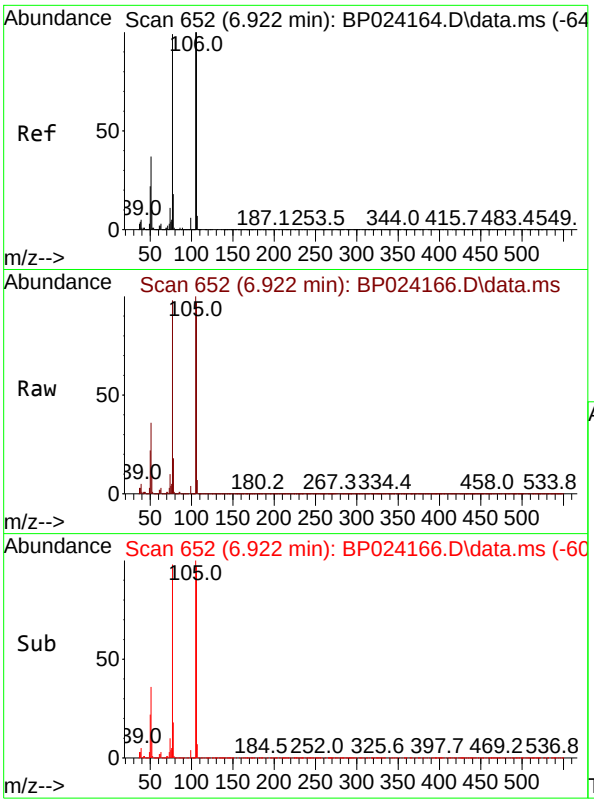


#8
2-Chlorophenol
Concen: 61.919 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



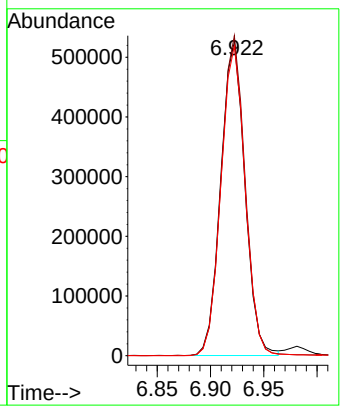


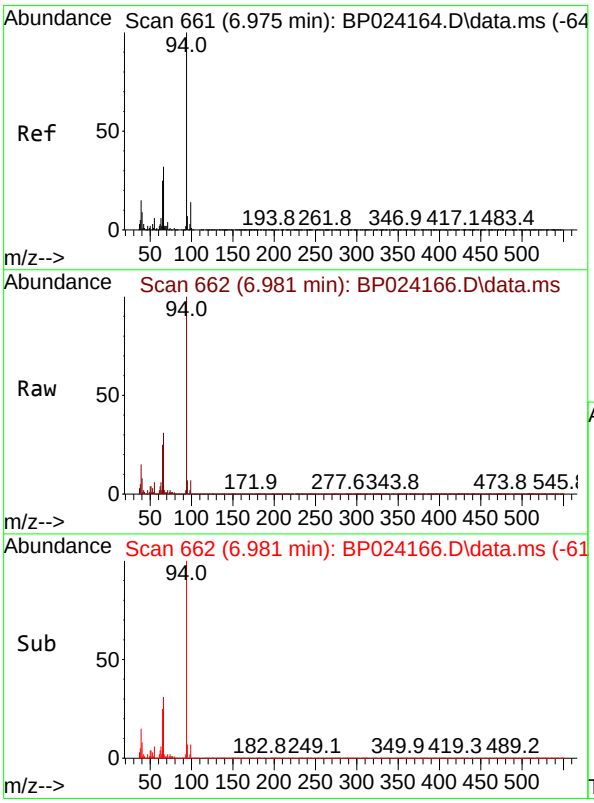
#9
Benzaldehyde
Concen: 55.995 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

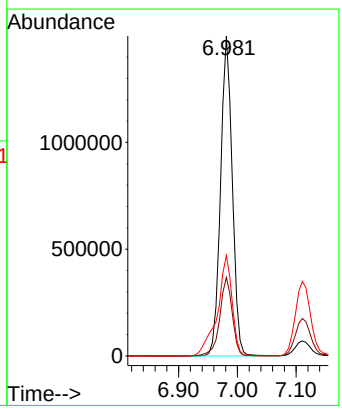


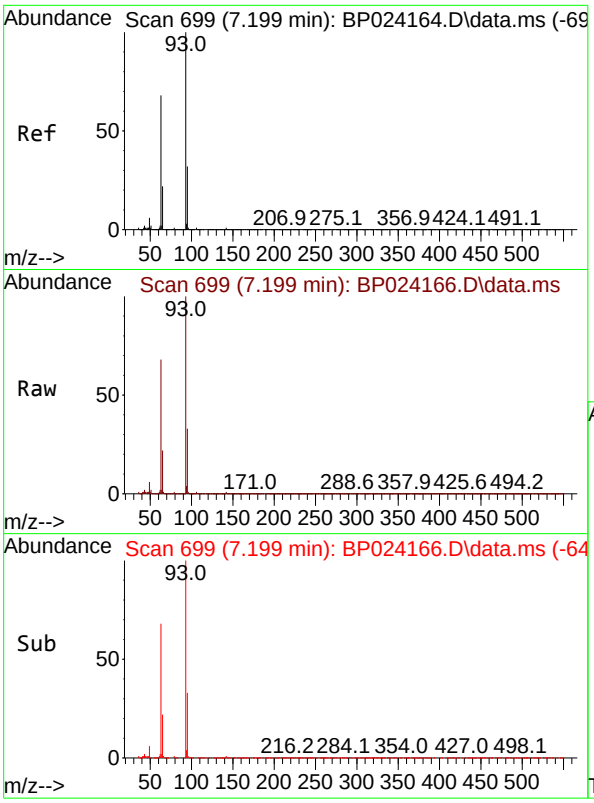


#10
Phenol
Concen: 63.448 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



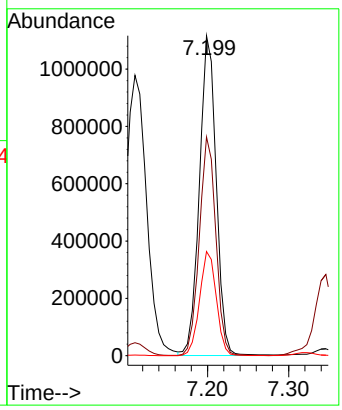


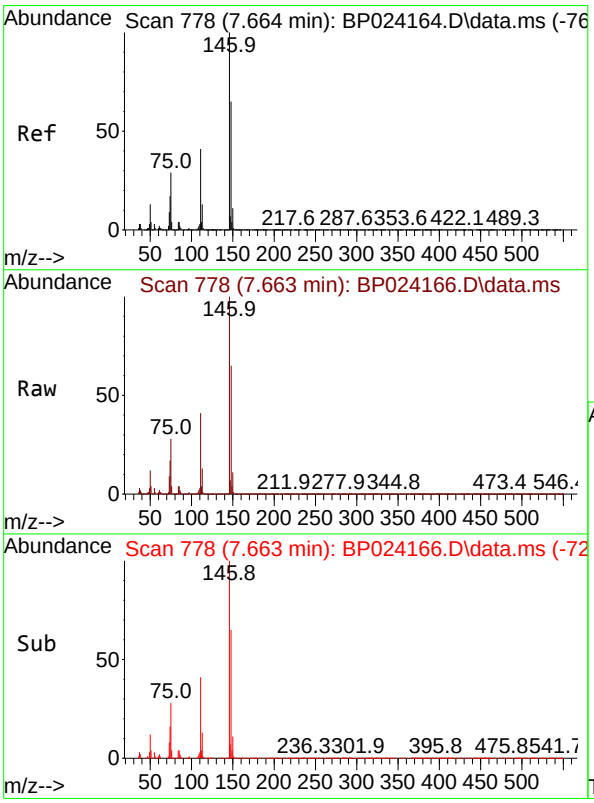
#11
bis(2-Chloroethyl)ether
Concen: 62.425 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

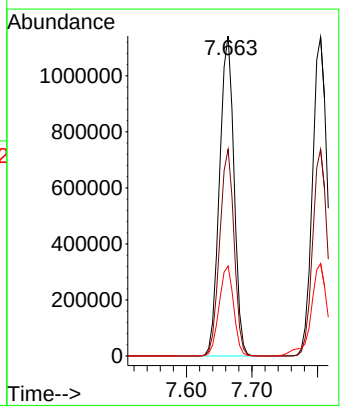


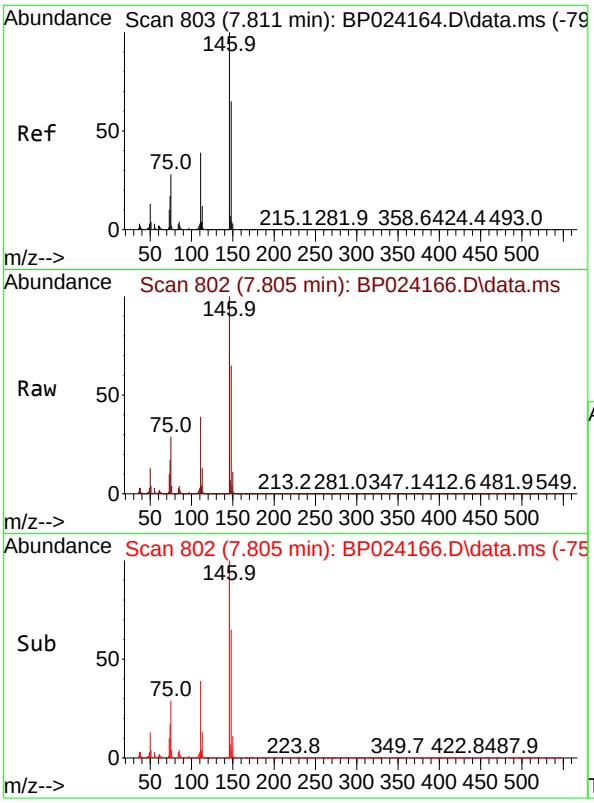


#12
1,3-Dichlorobenzene
Concen: 59.234 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



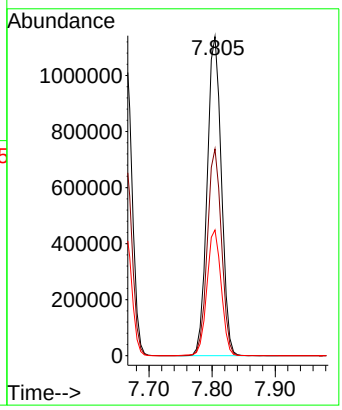


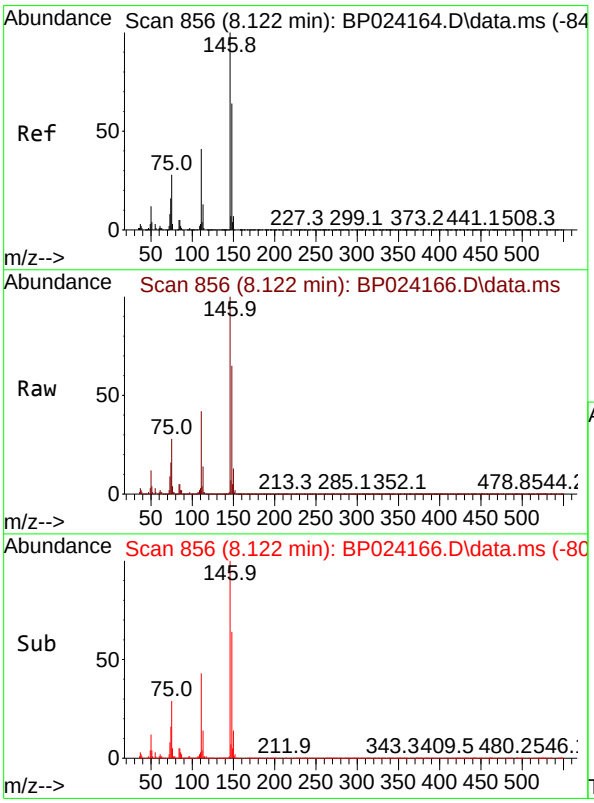
#13
1,4-Dichlorobenzene
Concen: 59.836 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

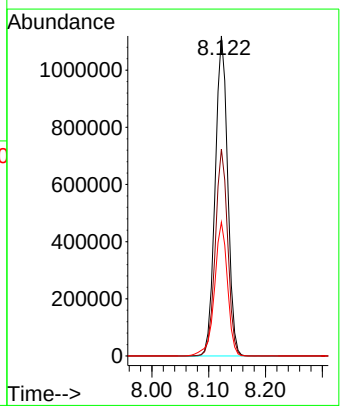


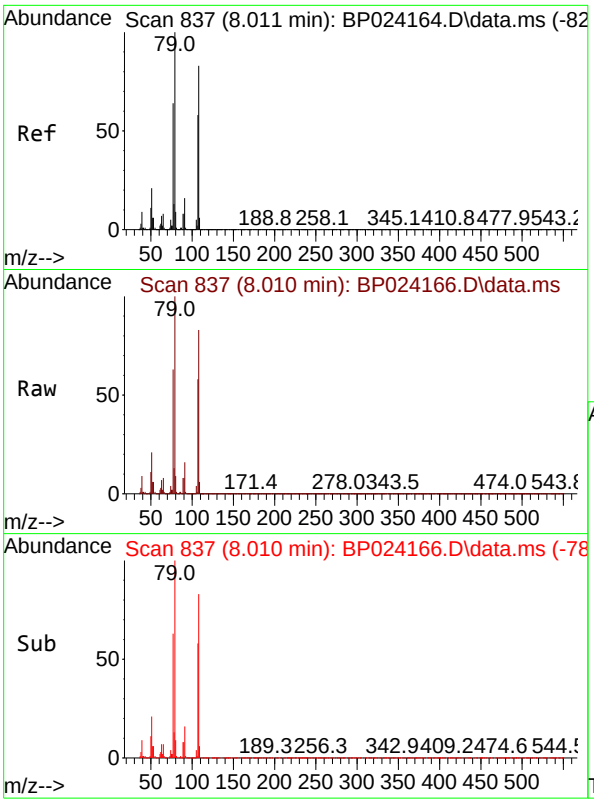


#14
1,2-Dichlorobenzene
Concen: 59.737 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



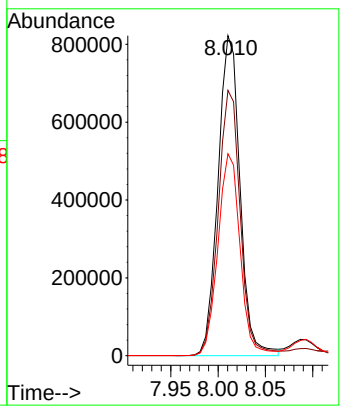


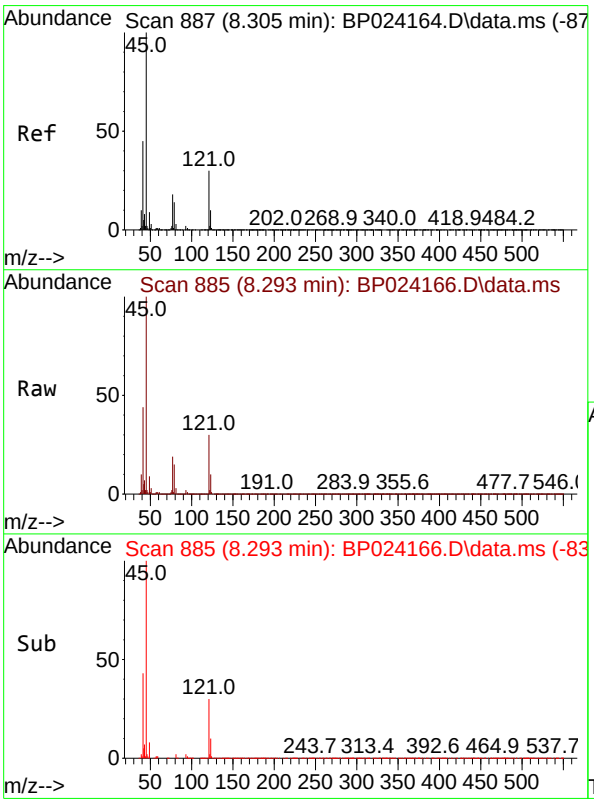
#15
Benzyl Alcohol
Concen: 67.021 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

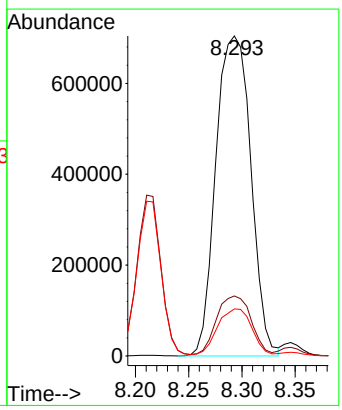


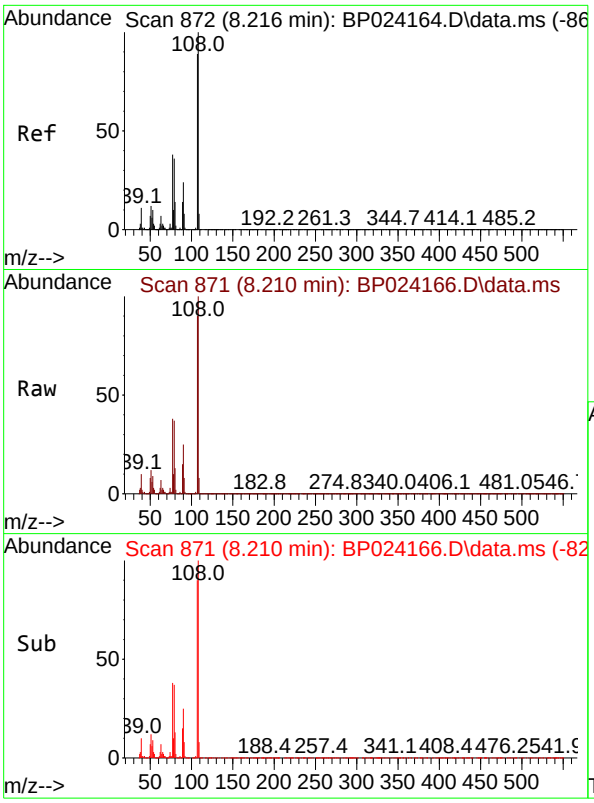


#16
2,2'-oxybis(1-Chloropropane)
Concen: 64.502 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



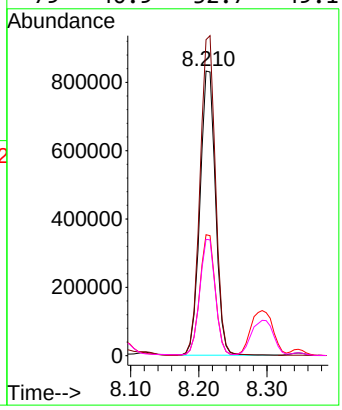


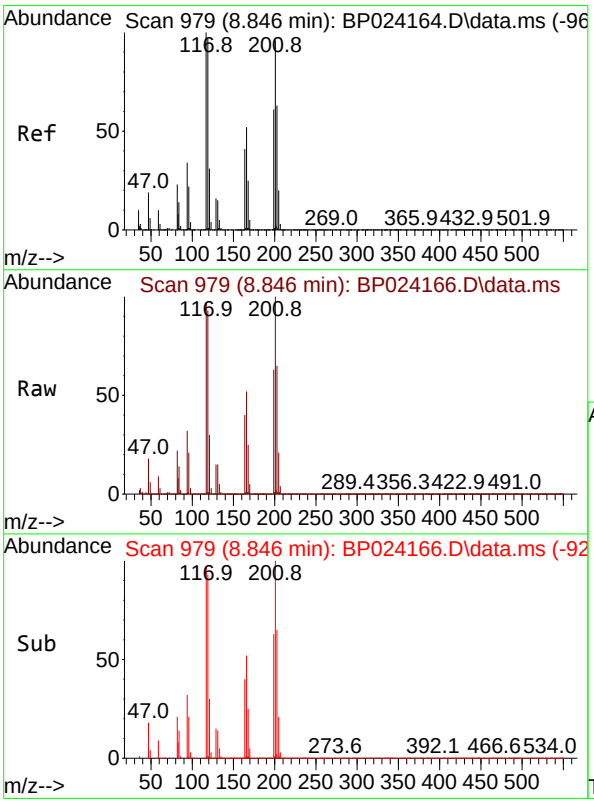
#17
2-Methylphenol
Concen: 66.132 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

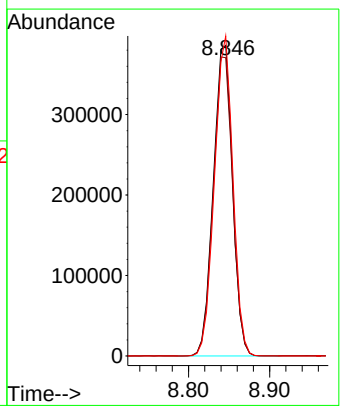


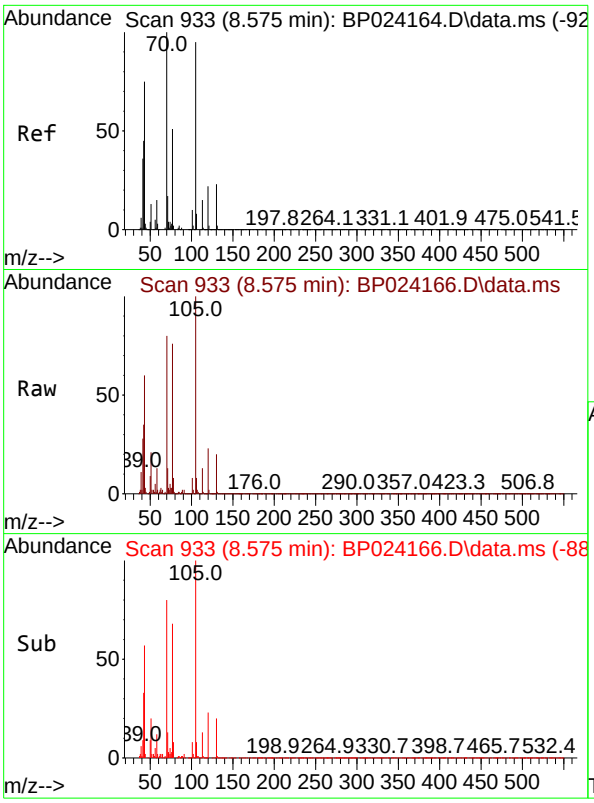


#18
Hexachloroethane
Concen: 59.498 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



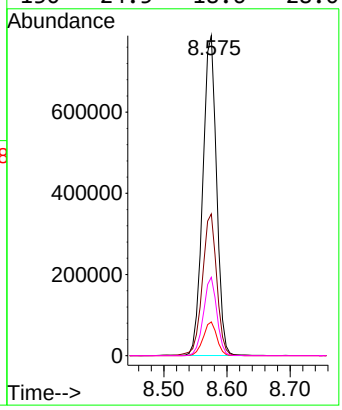


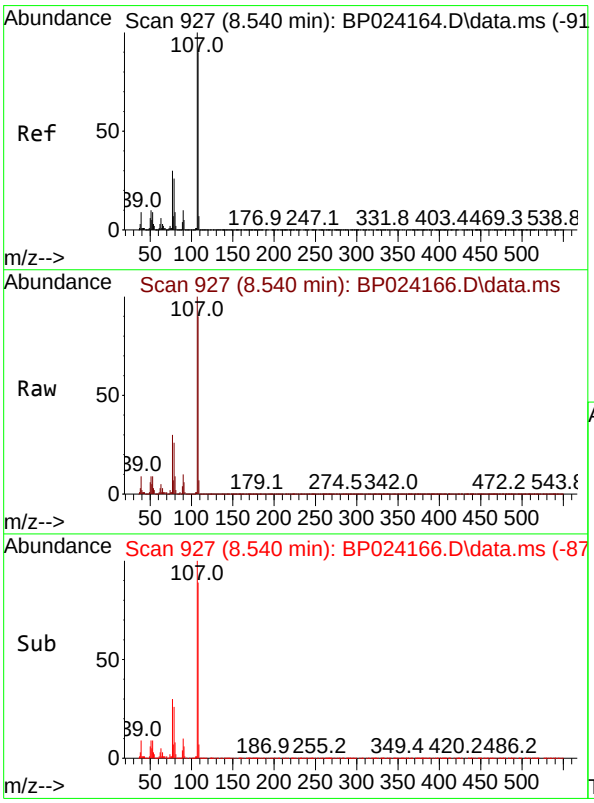
#19
n-Nitroso-di-n-propylamine
Concen: 68.227 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

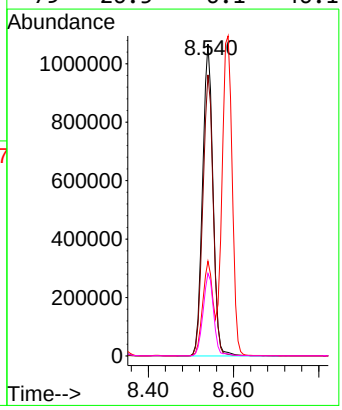


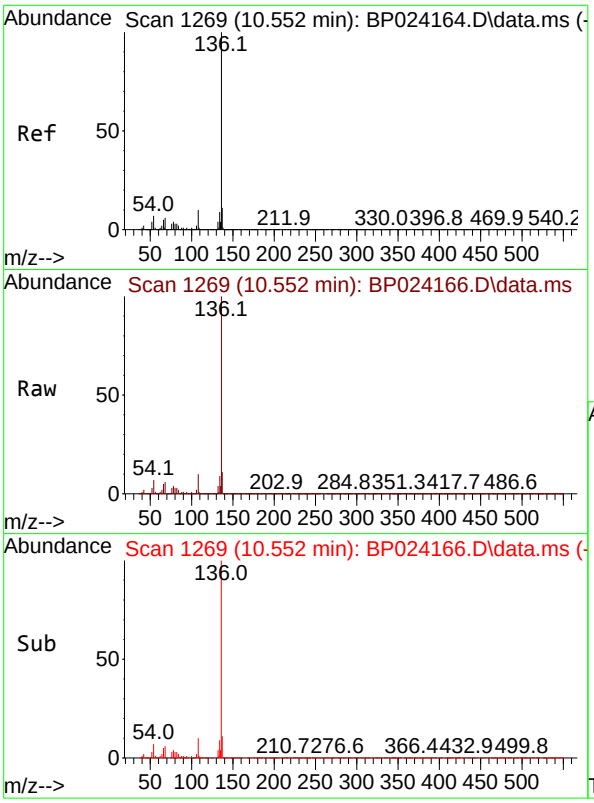


#20
3+4-Methylphenols
Concen: 66.838 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



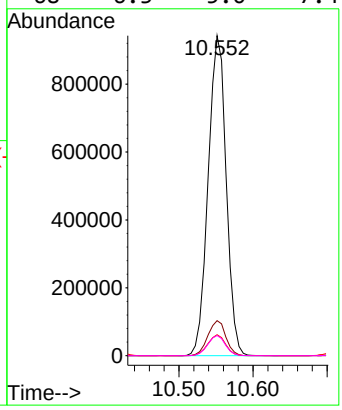


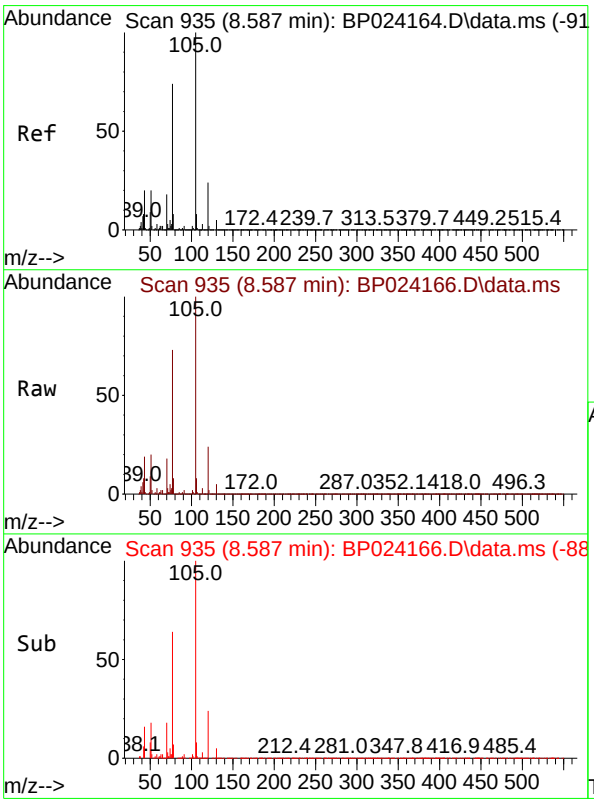
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

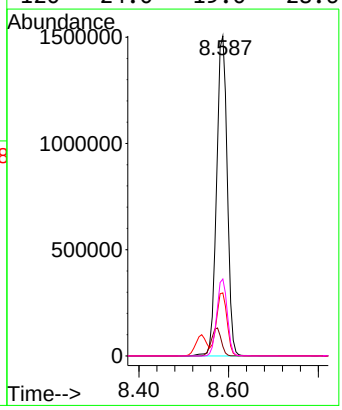


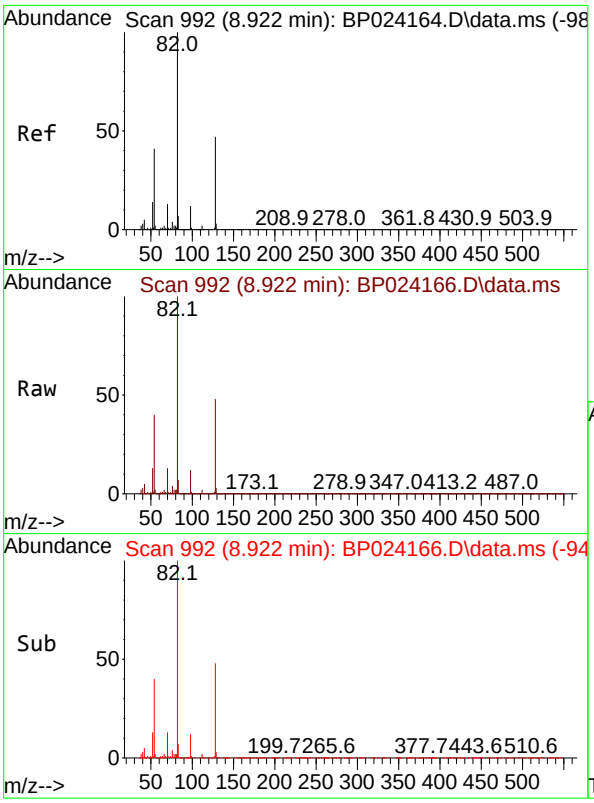


#22
Acetophenone
Concen: 60.600 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



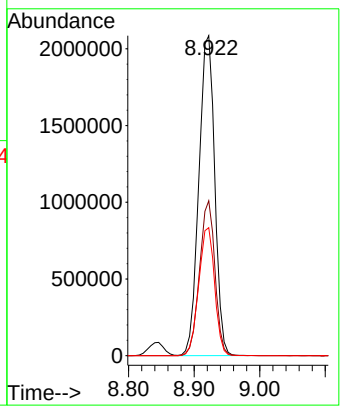


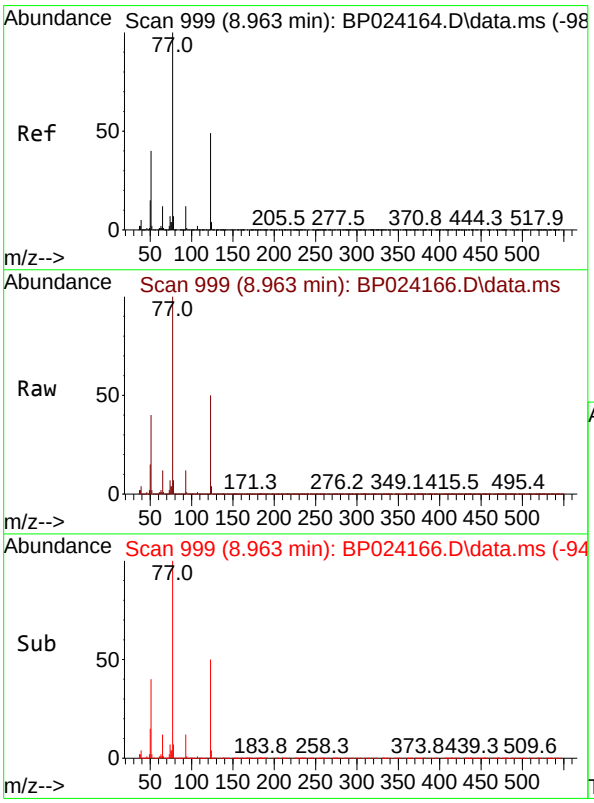
#23
Nitrobenzene-d5
Concen: 123.247 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

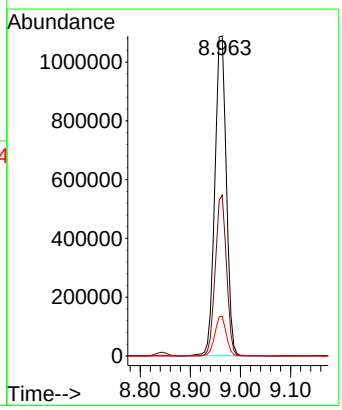


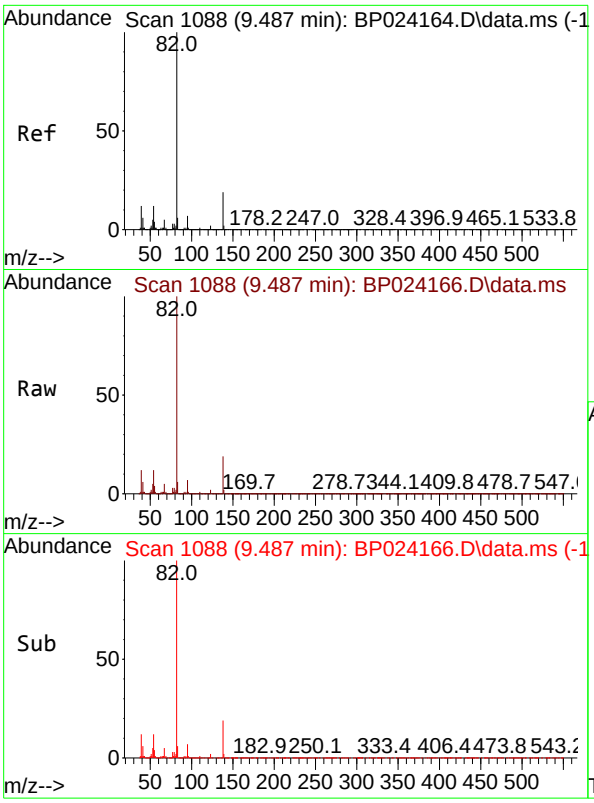


#24
Nitrobenzene
Concen: 61.673 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



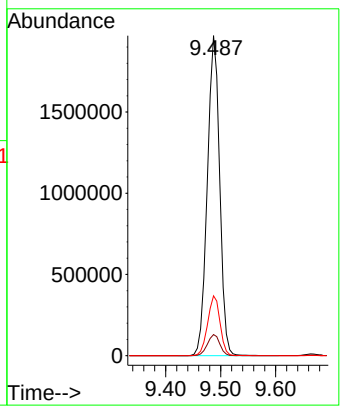


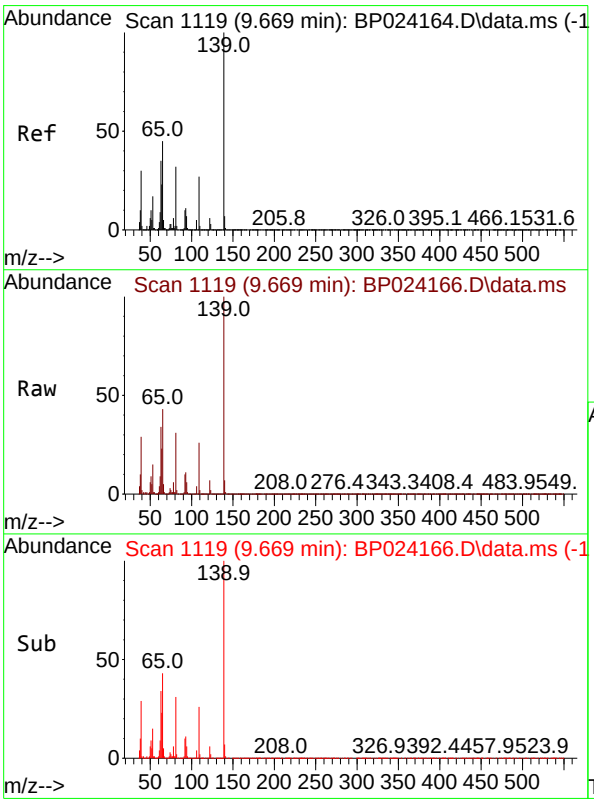
#25
Isophorone
Concen: 65.658 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

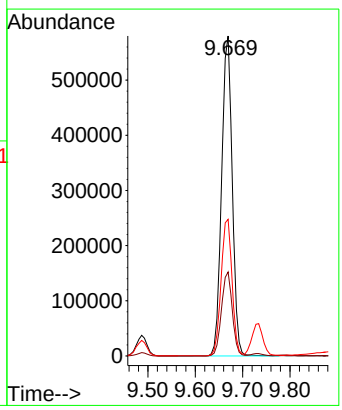


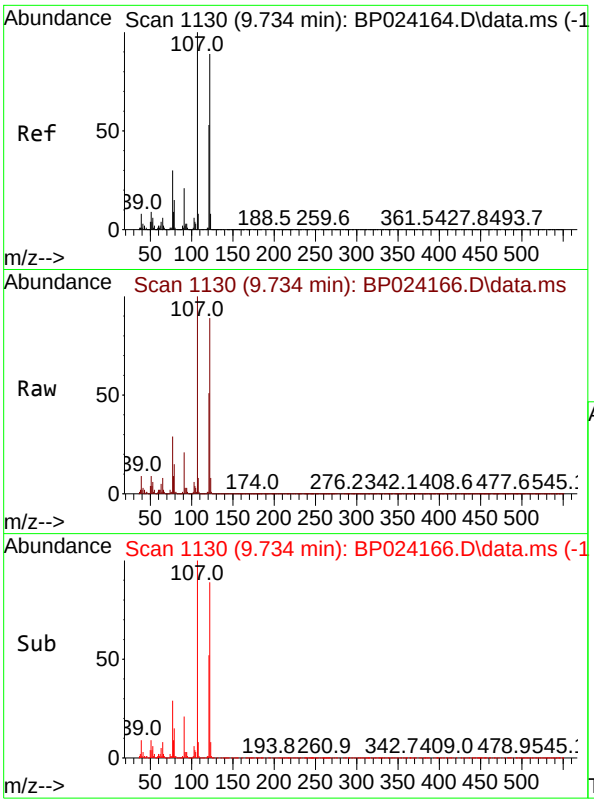


#26
2-Nitrophenol
Concen: 69.941 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



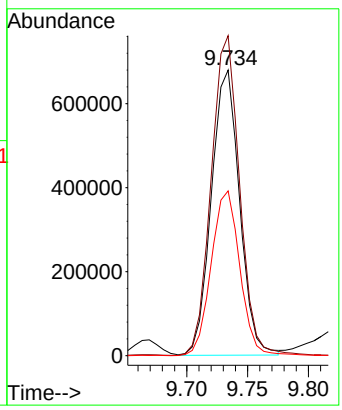


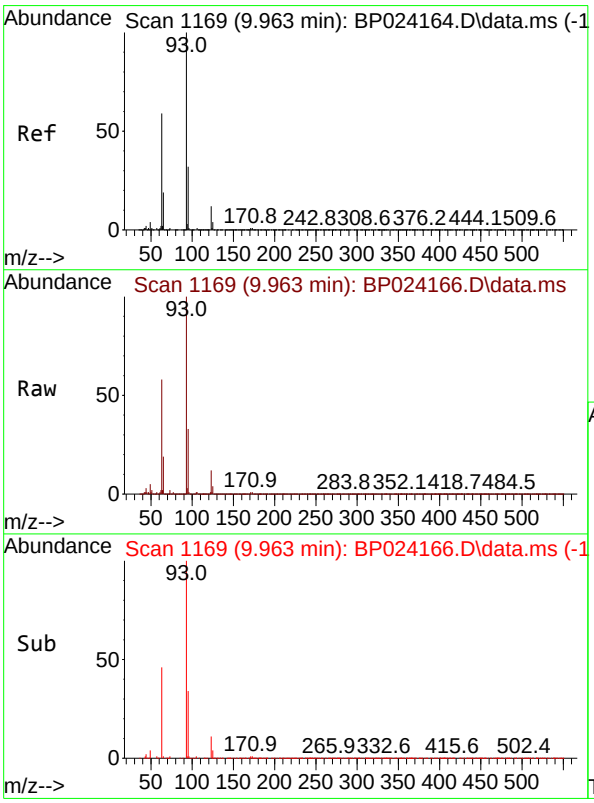
#27
2,4-Dimethylphenol
Concen: 64.534 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

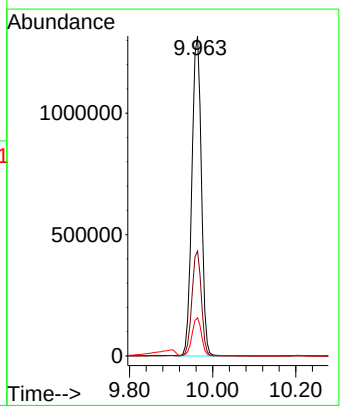


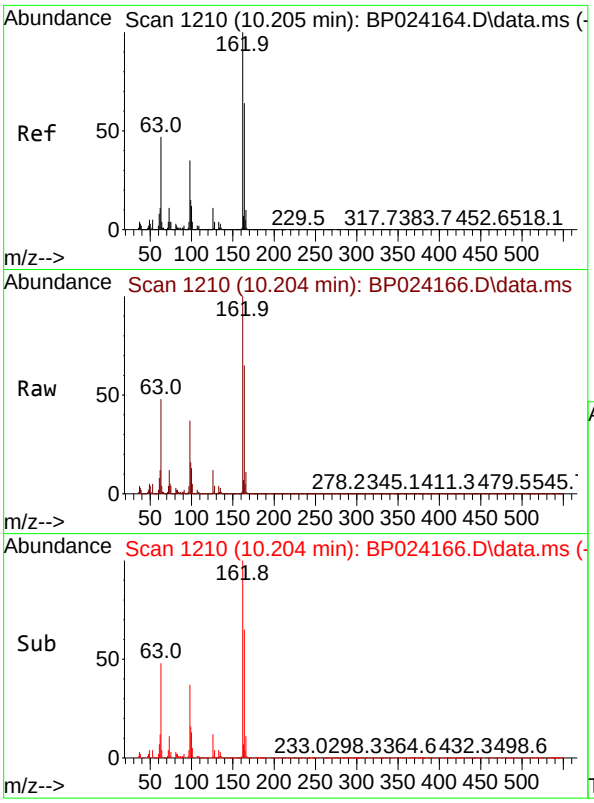


#28
bis(2-Chloroethoxy)methane
Concen: 61.742 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



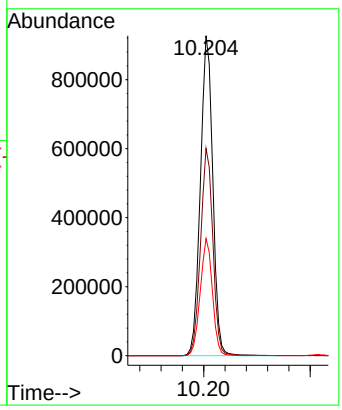


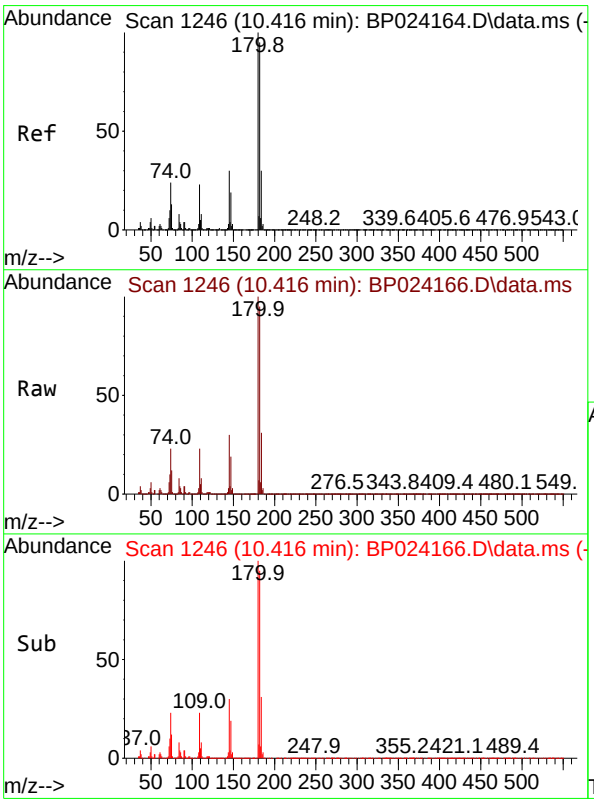
#29
2,4-Dichlorophenol
Concen: 64.609 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

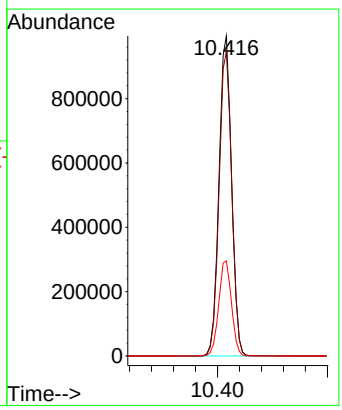


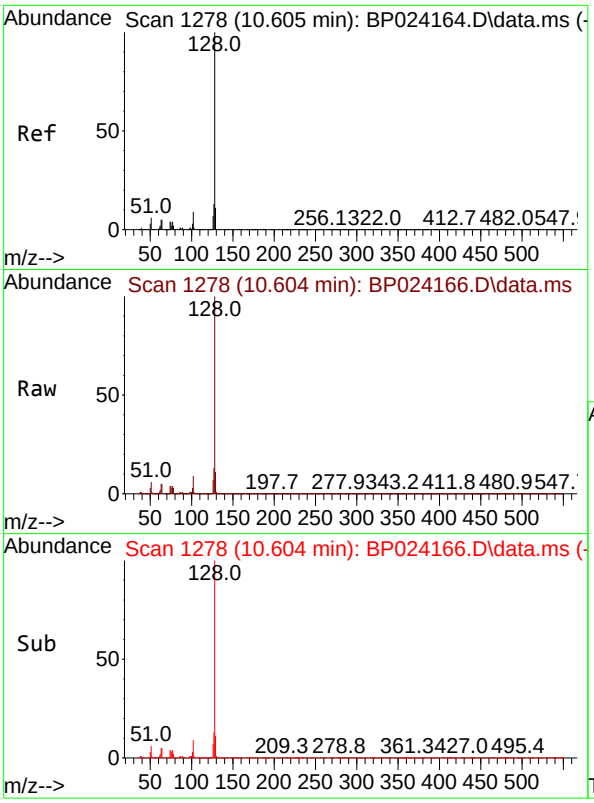


#30
1,2,4-Trichlorobenzene
Concen: 59.453 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



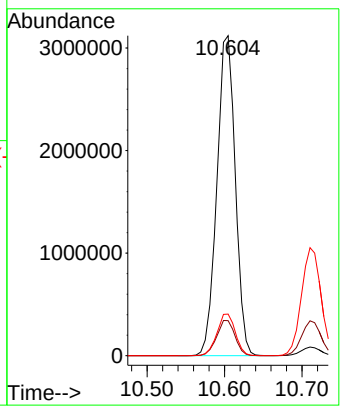


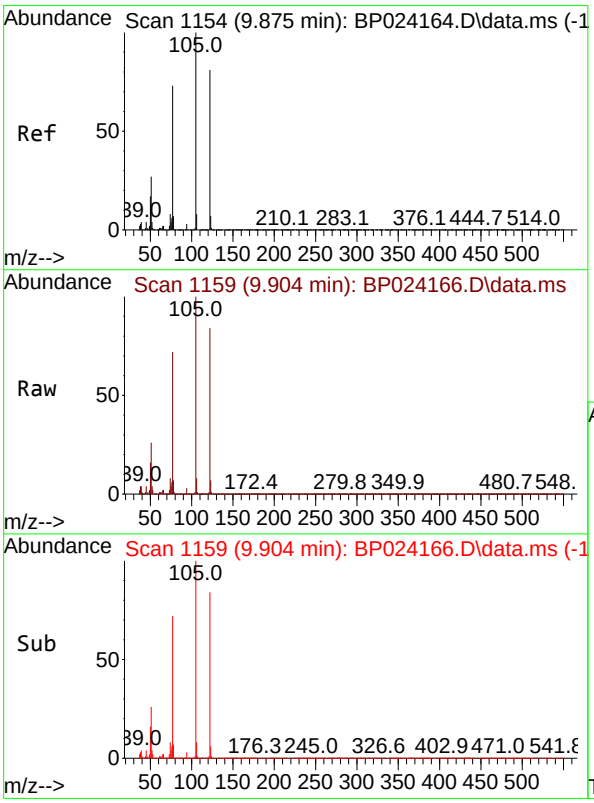
#31
Naphthalene
Concen: 60.129 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

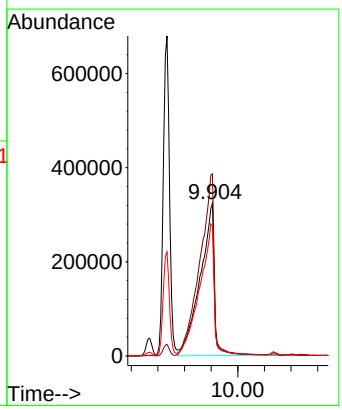


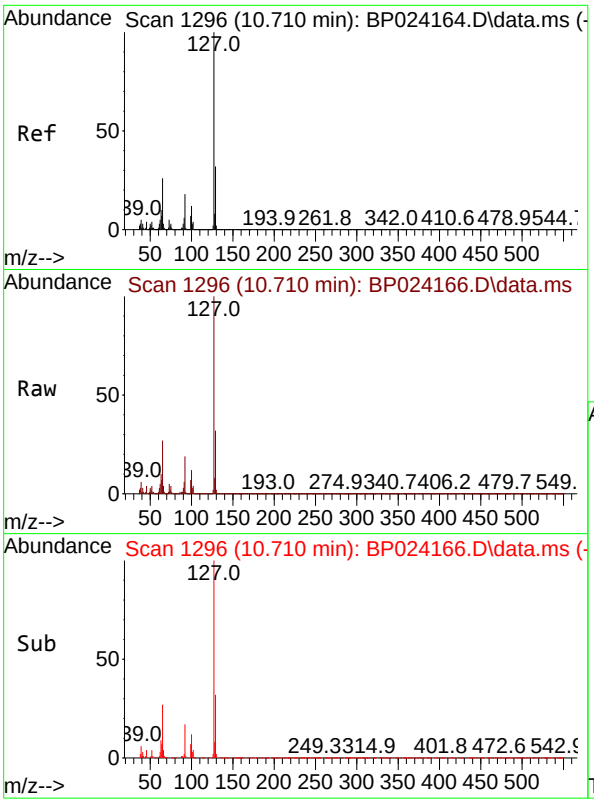


#32
Benzoic acid
Concen: 77.325 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



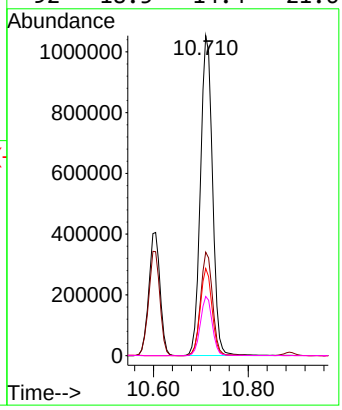


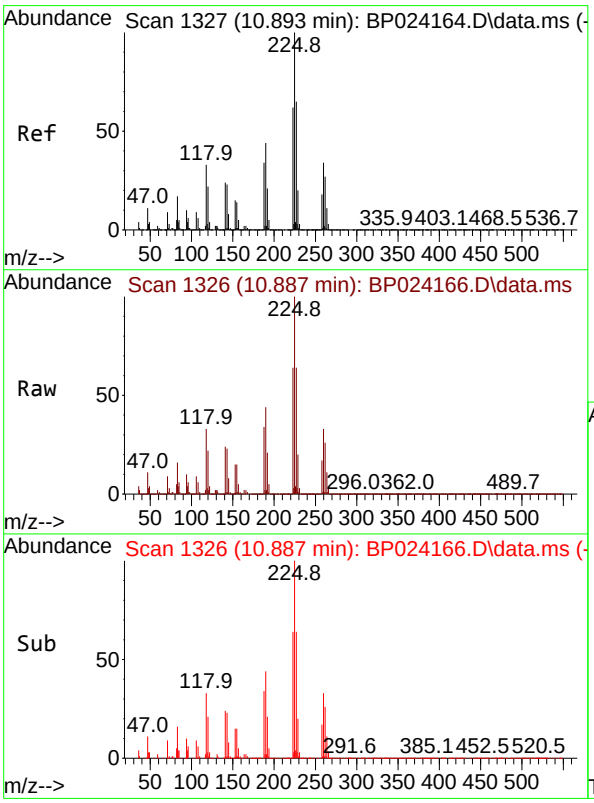
#33
4-Chloroaniline
Concen: 61.665 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

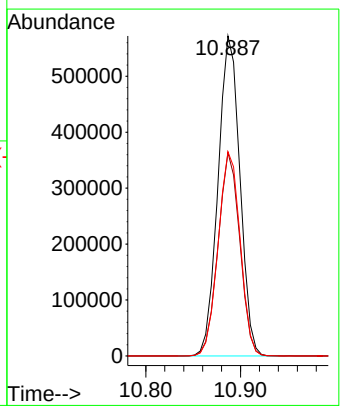


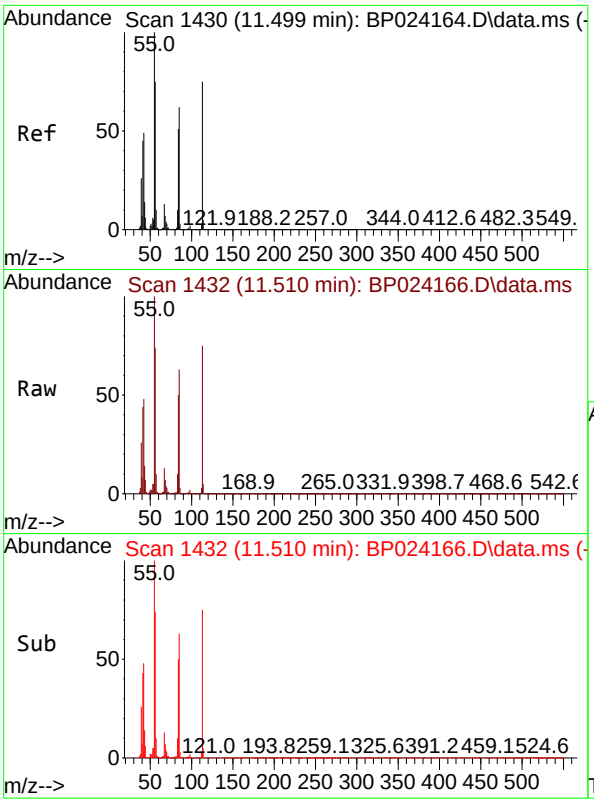


#34
Hexachlorobutadiene
Concen: 59.699 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



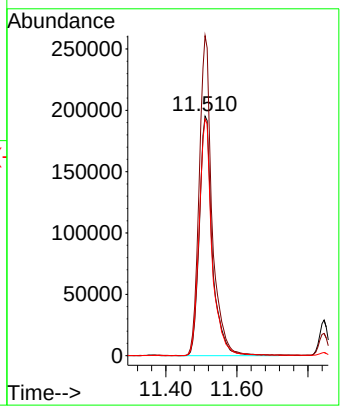


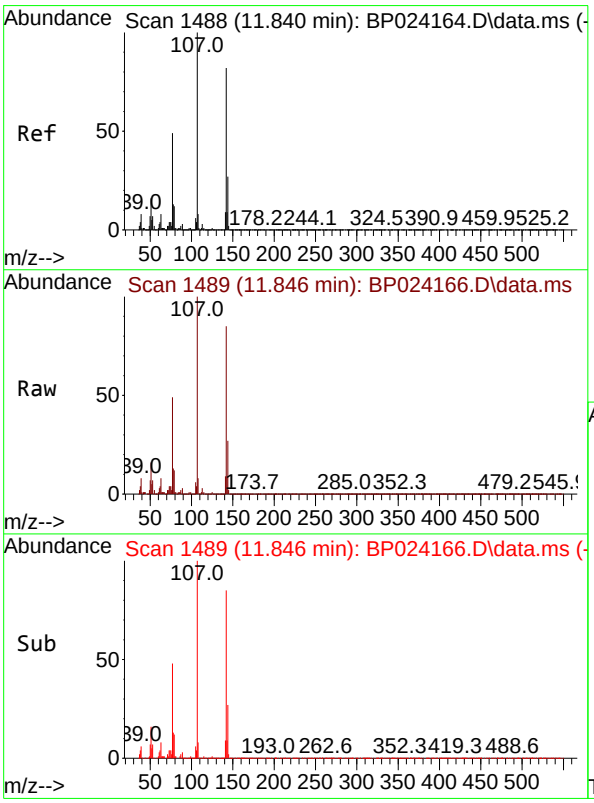
#35
Caprolactam
Concen: 70.784 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

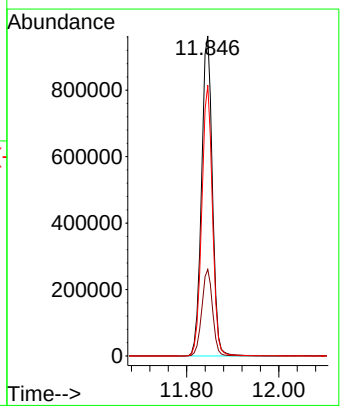


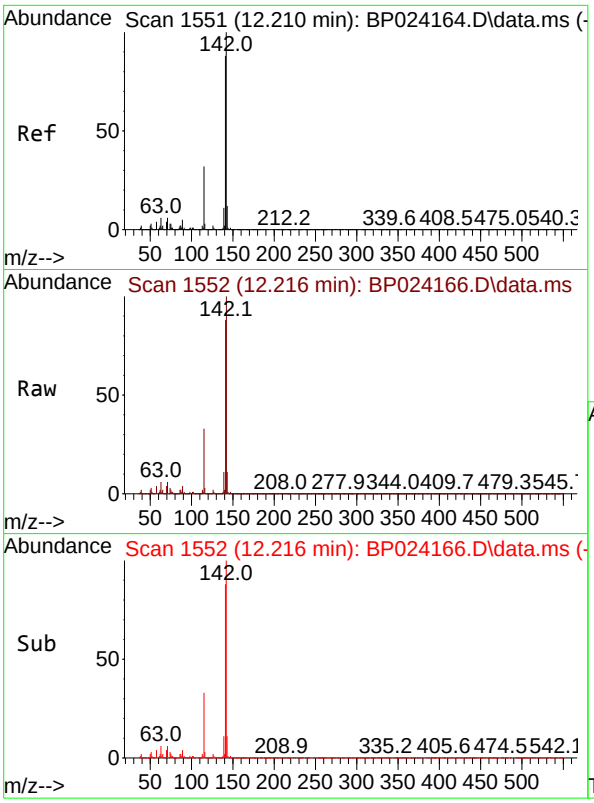


#36
4-Chloro-3-methylphenol
Concen: 66.451 ng
RT: 11.846 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



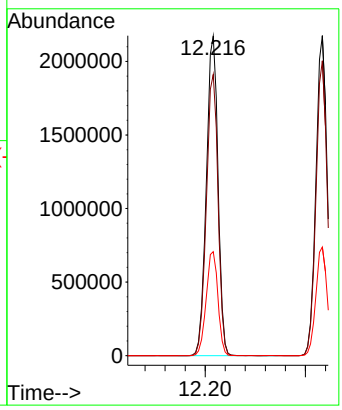


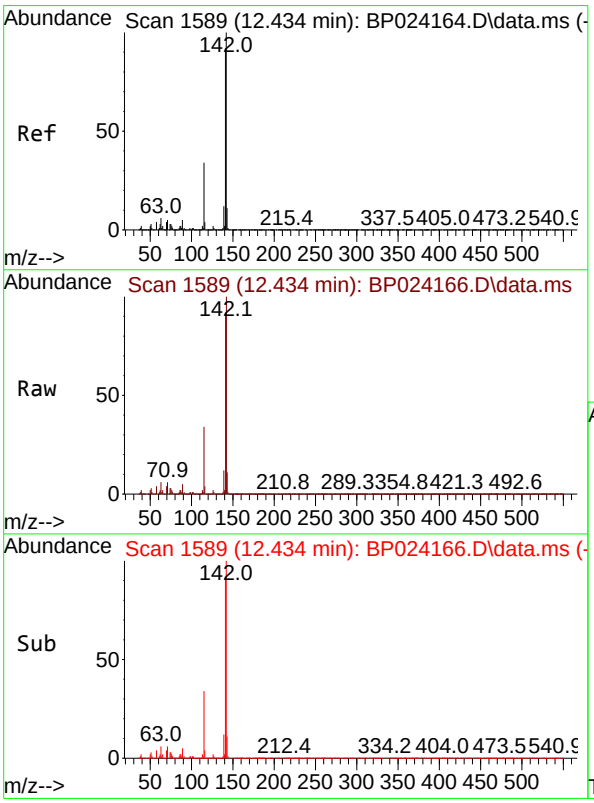
#37
2-Methylnaphthalene
Concen: 61.618 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

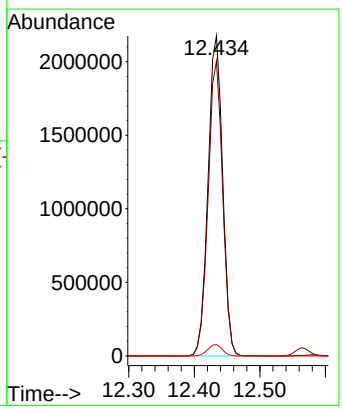


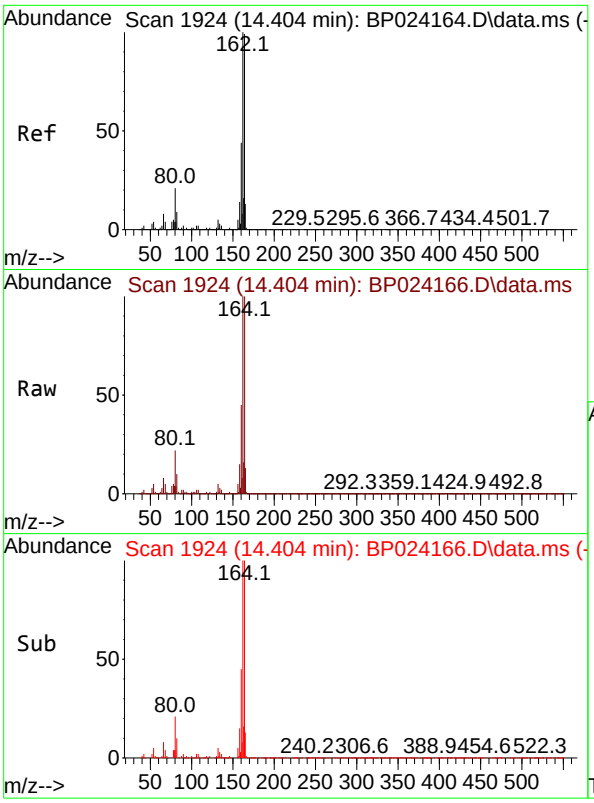


#38
1-Methylnaphthalene
Concen: 60.802 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



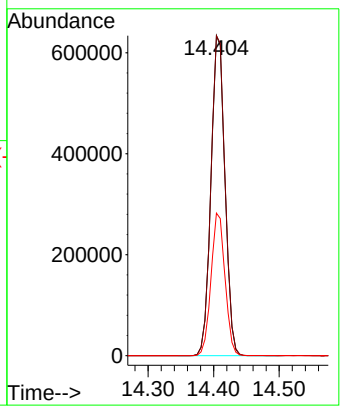


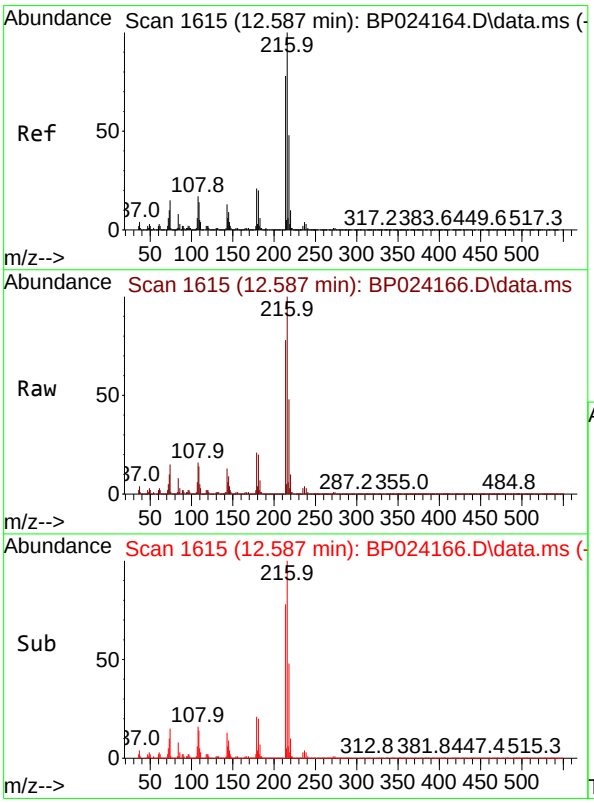
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

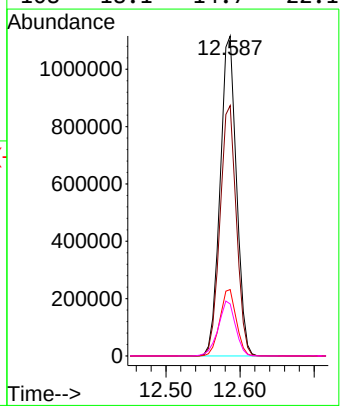


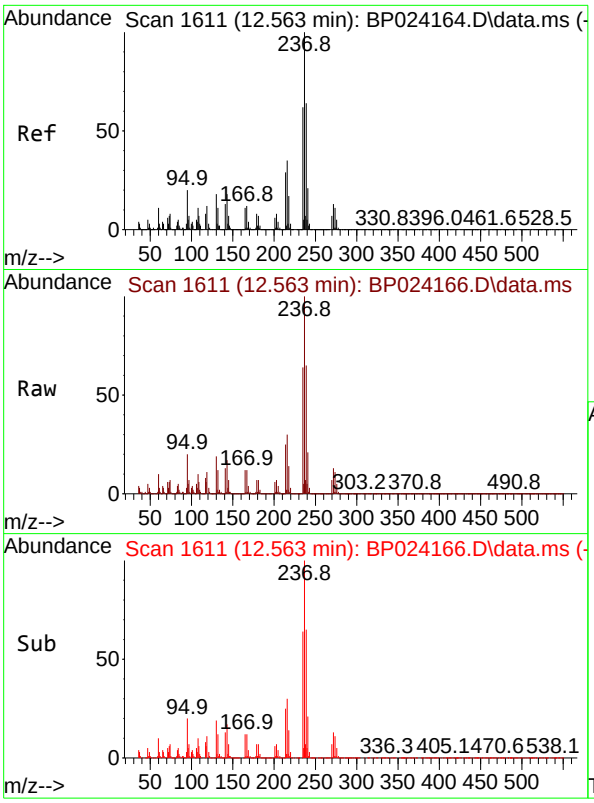


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.382 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



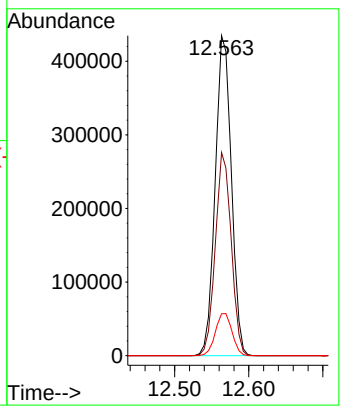


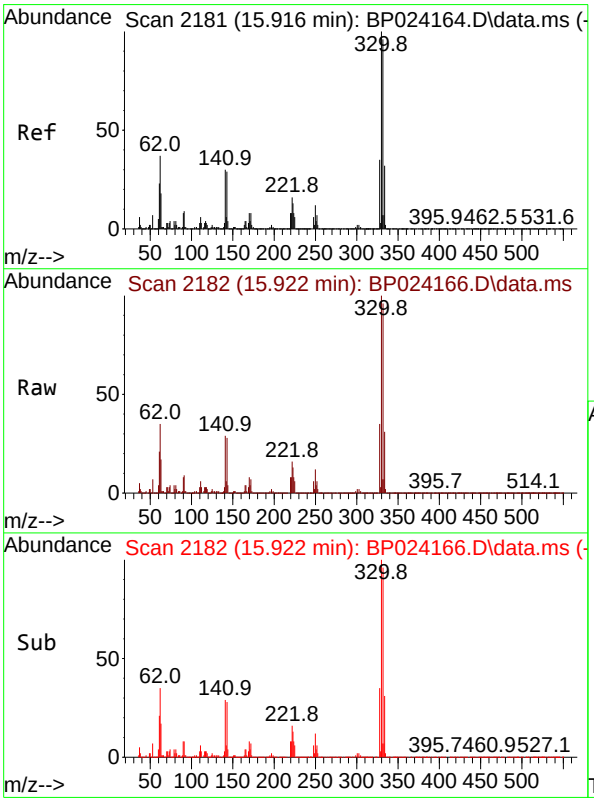
#41
Hexachlorocyclopentadiene
Concen: 61.365 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

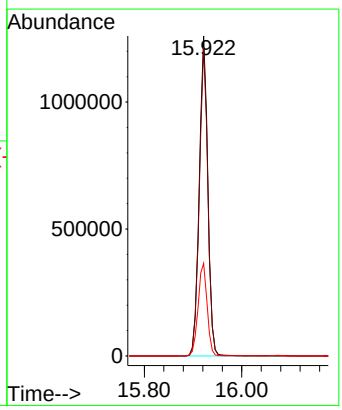


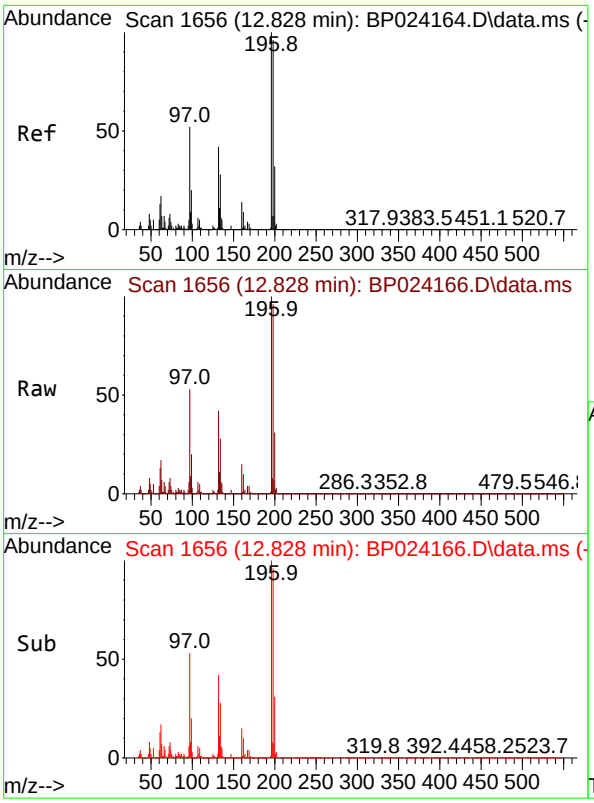


#42
2,4,6-Tribromophenol
Concen: 134.511 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



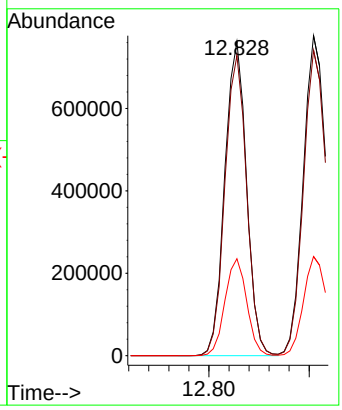


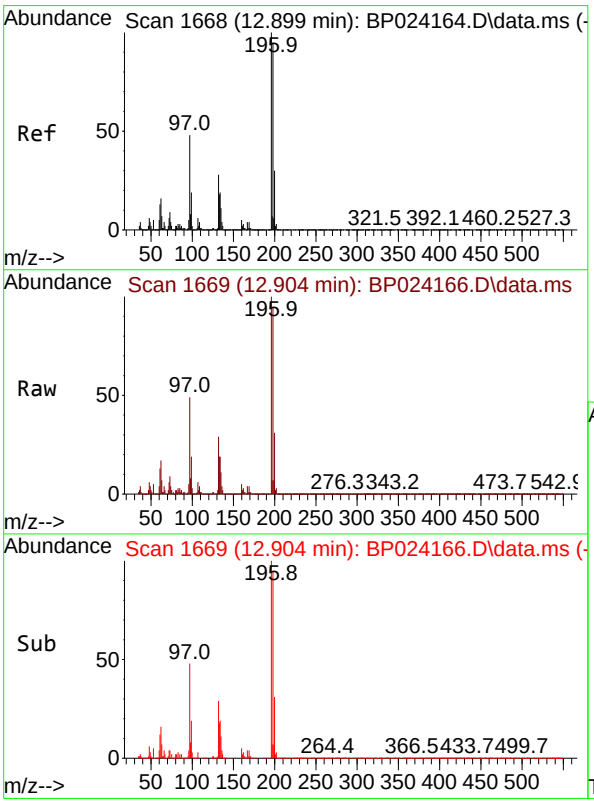
#43
2,4,6-Trichlorophenol
Concen: 65.478 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

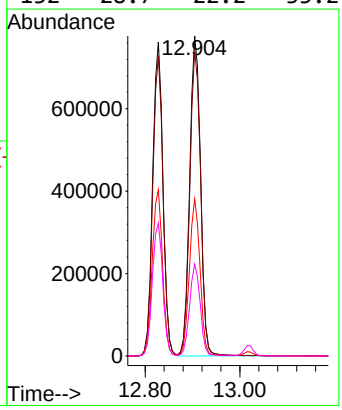


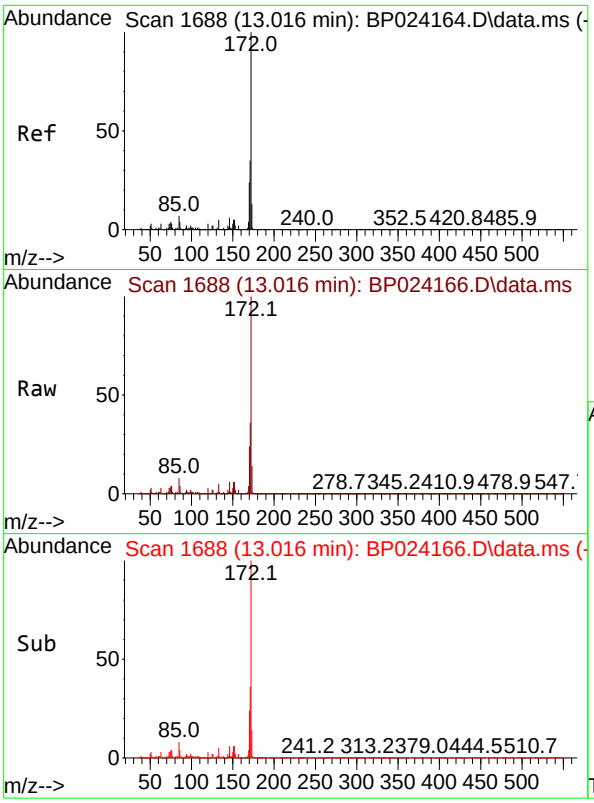


#44
2,4,5-Trichlorophenol
Concen: 64.282 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



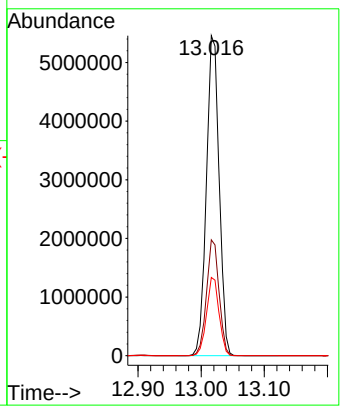


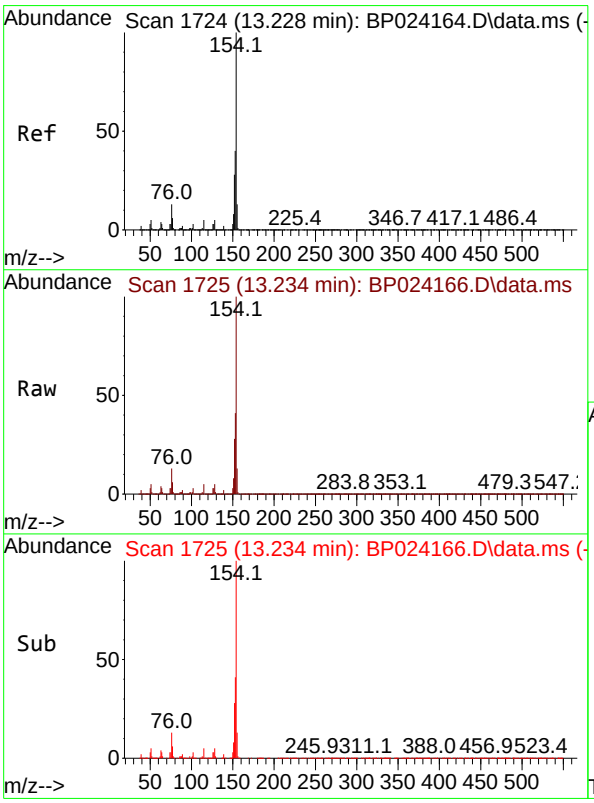
#45
2-Fluorobiphenyl
Concen: 114.626 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

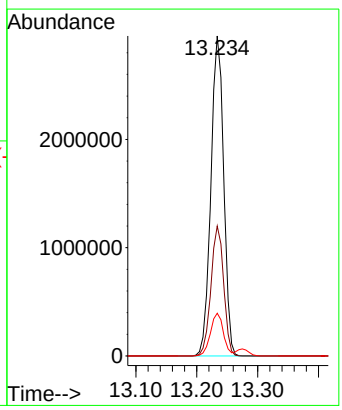


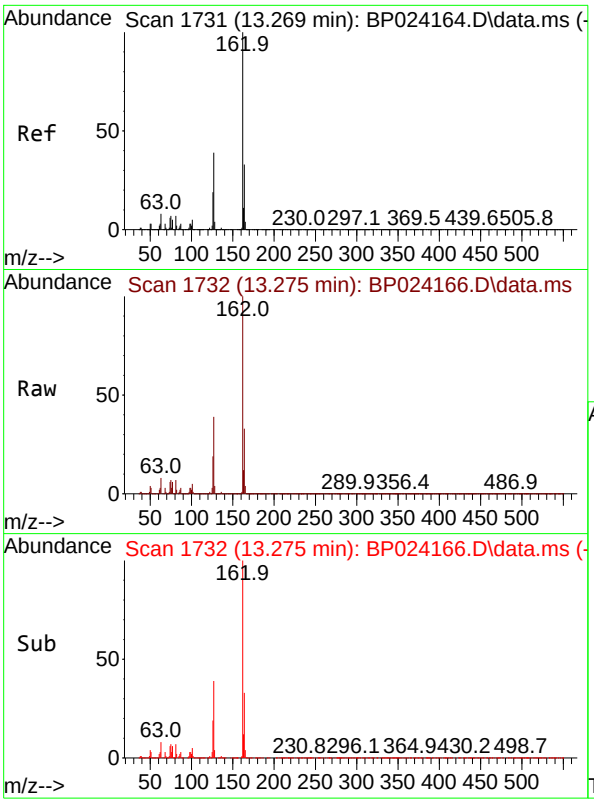


#46
1,1'-Biphenyl
Concen: 59.291 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



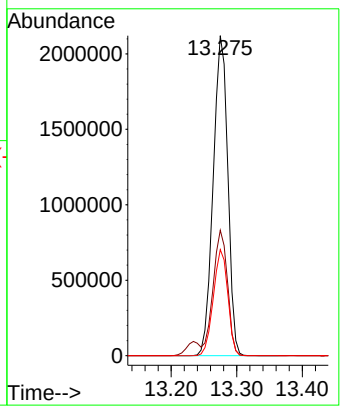


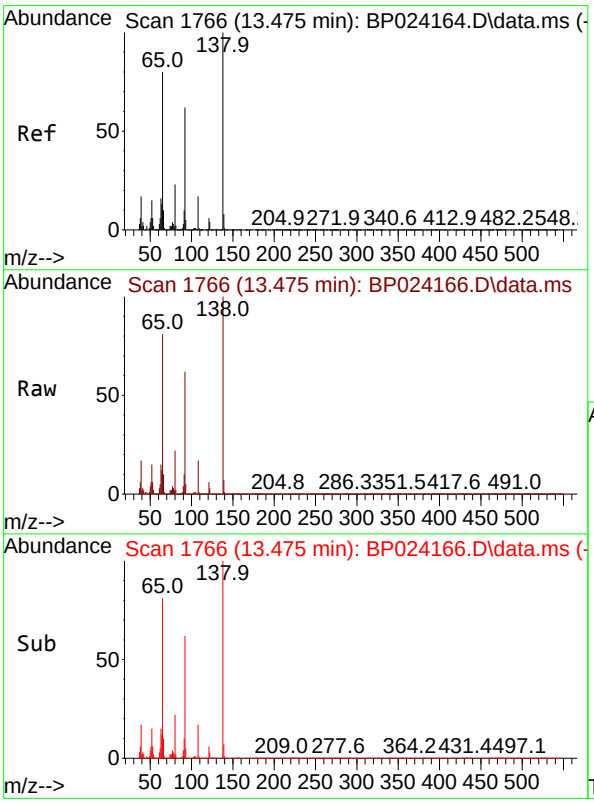
#47
2-Chloronaphthalene
Concen: 59.452 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

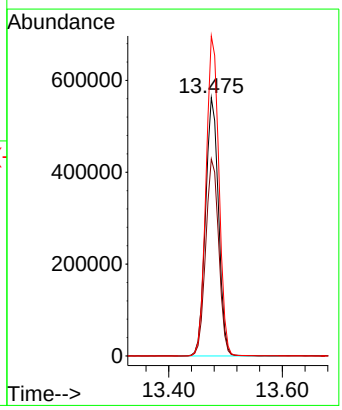


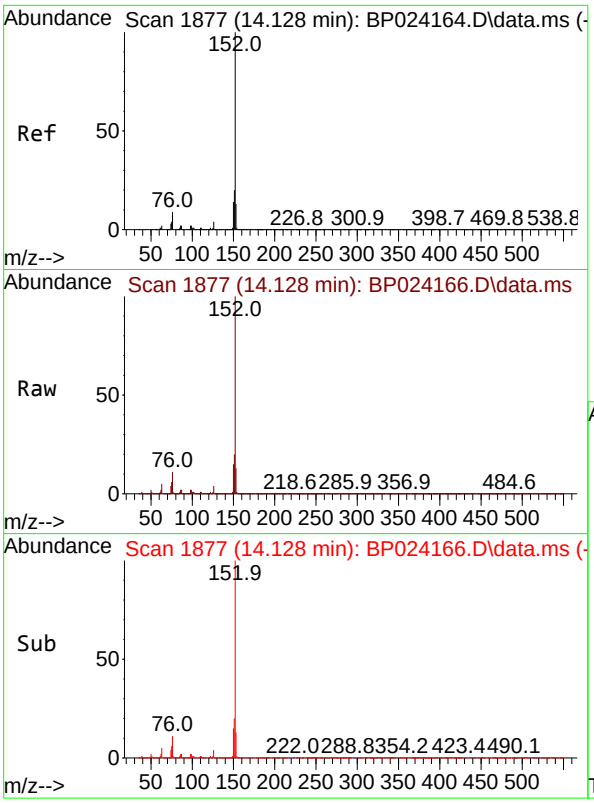


#48
2-Nitroaniline
Concen: 68.533 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



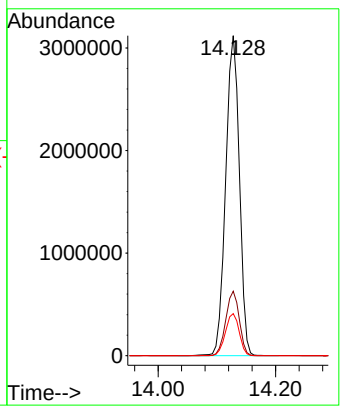


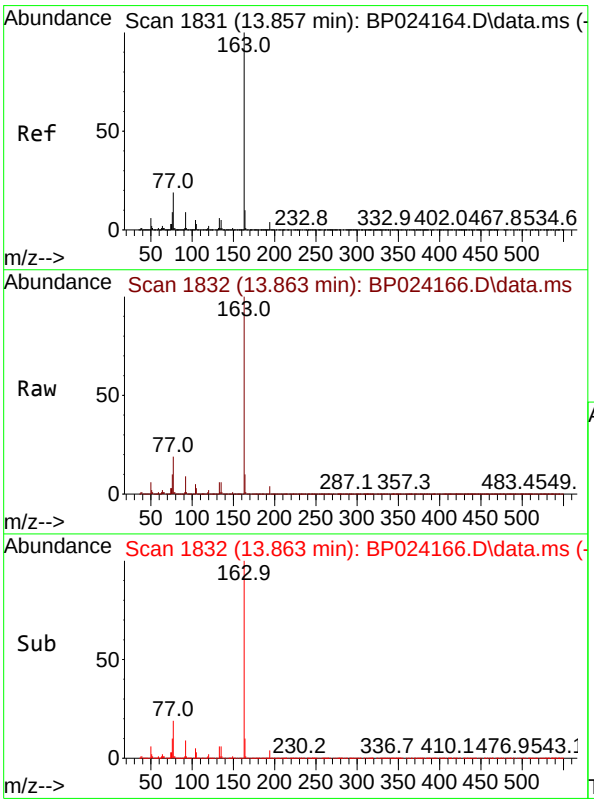
#49
Acenaphthylene
Concen: 62.024 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

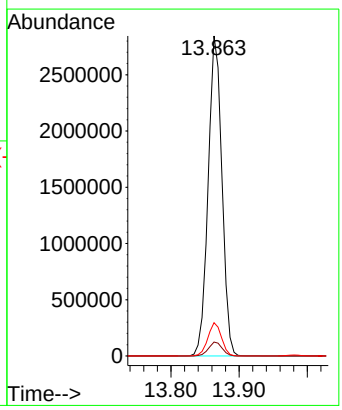


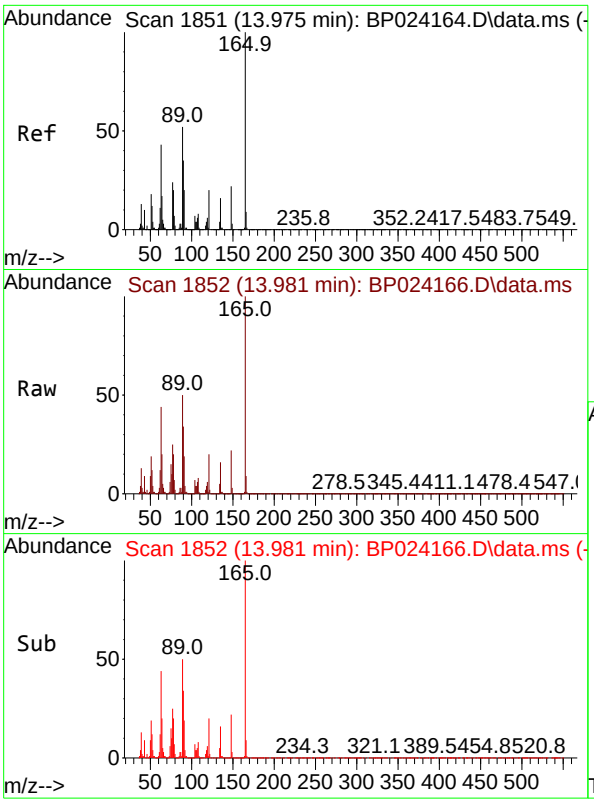


#50
Dimethylphthalate
Concen: 60.542 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



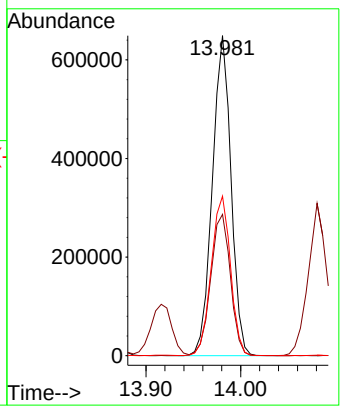


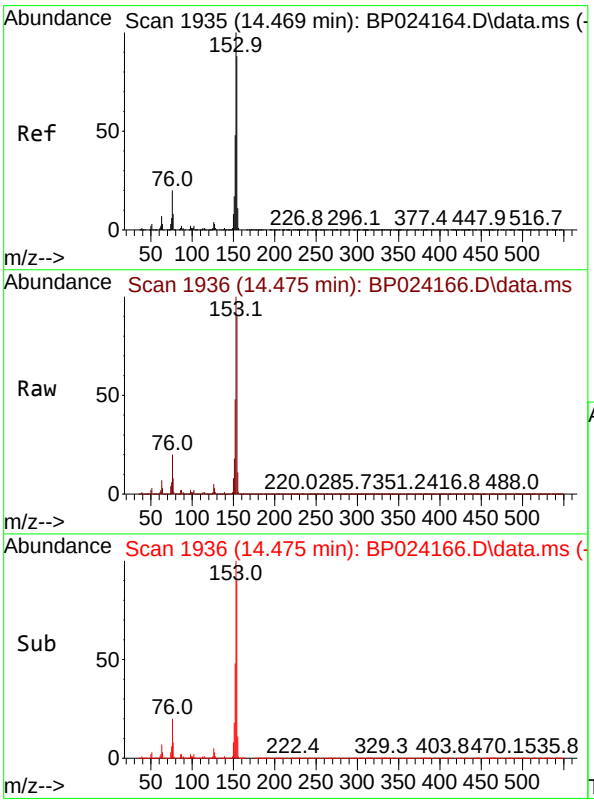
#51
2,6-Dinitrotoluene
Concen: 65.996 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

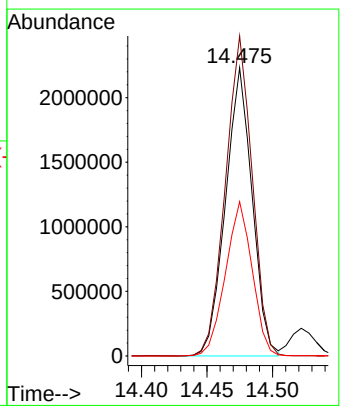


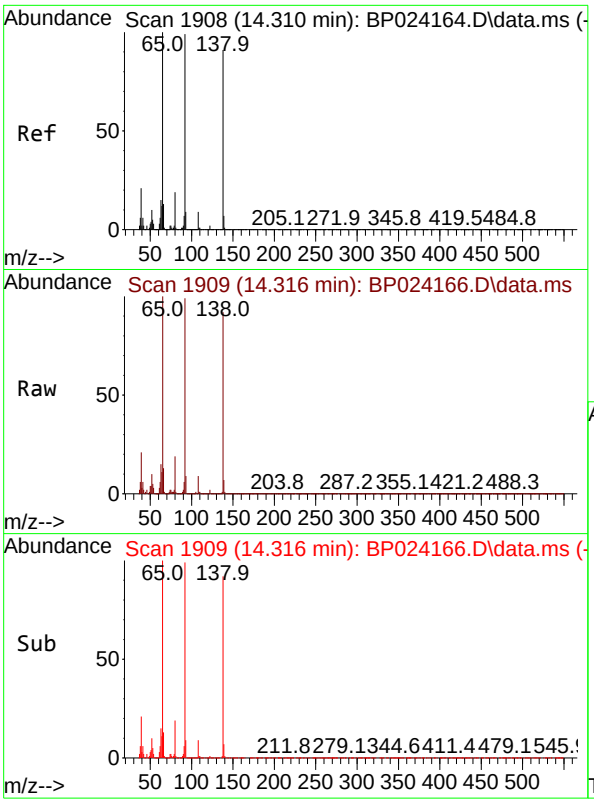


#52
Acenaphthene
Concen: 60.450 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



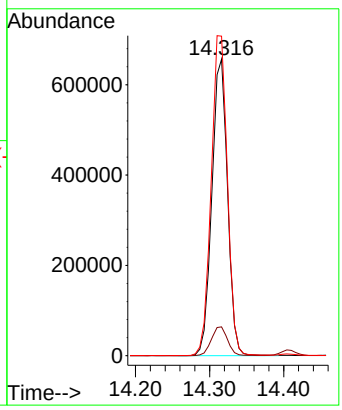


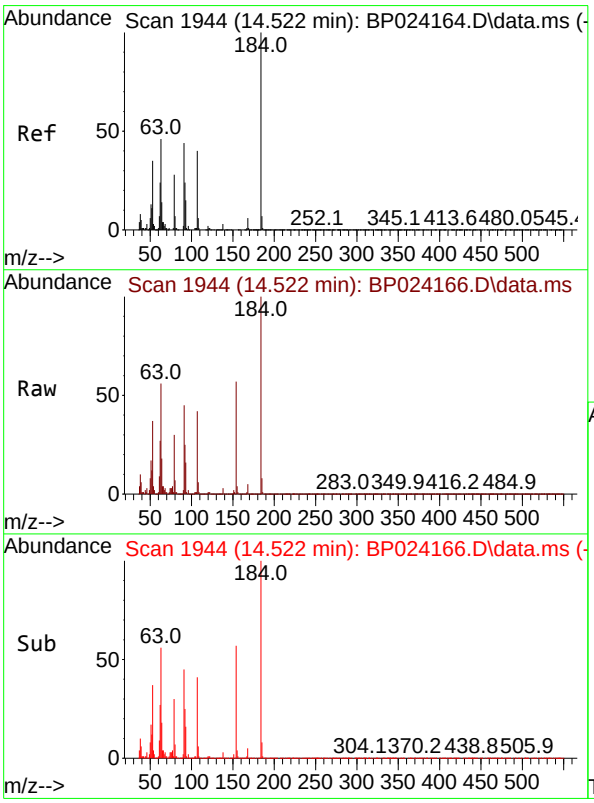
#53
3-Nitroaniline
Concen: 67.123 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

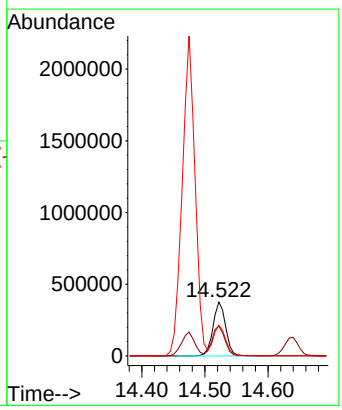


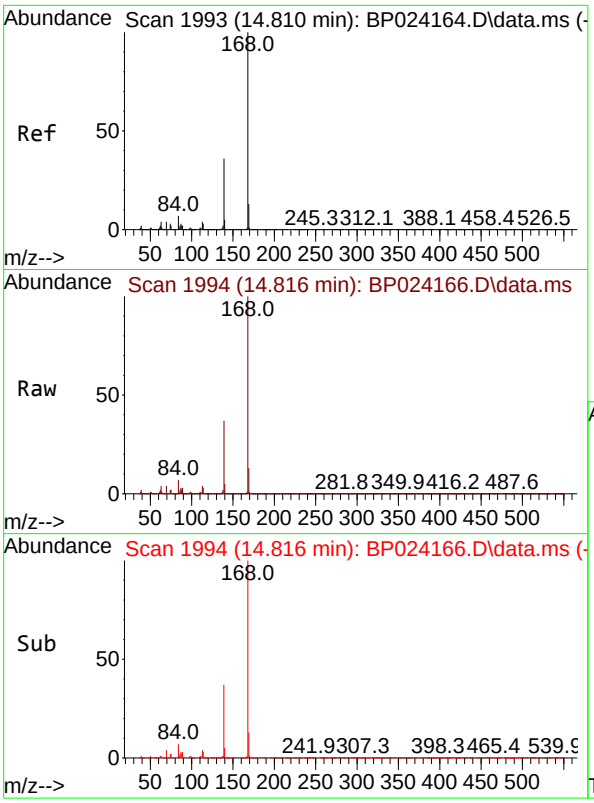


#54
2,4-Dinitrophenol
Concen: 73.093 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



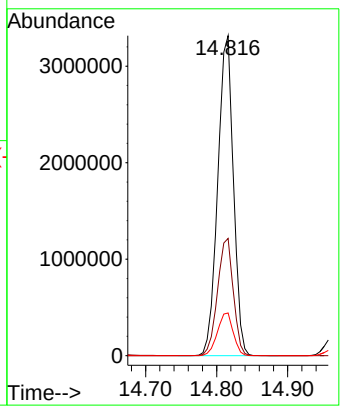


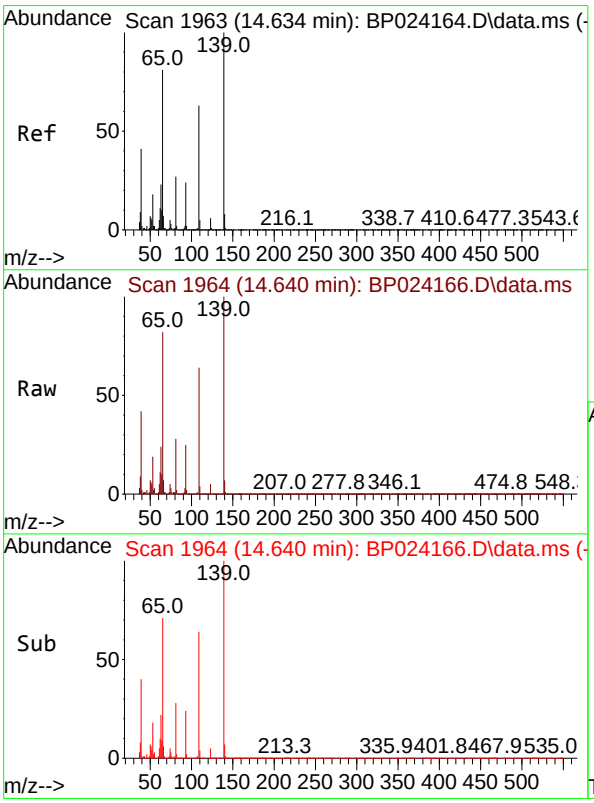
#55
Dibenzofuran
Concen: 59.602 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

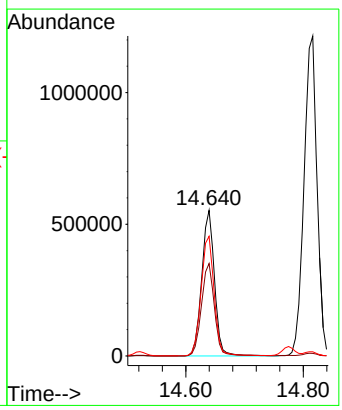


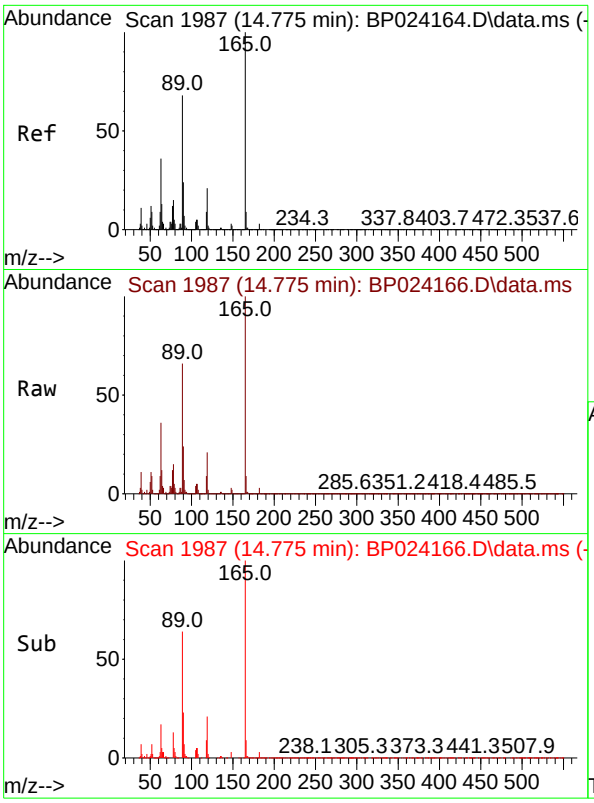


#56
4-Nitrophenol
Concen: 67.086 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



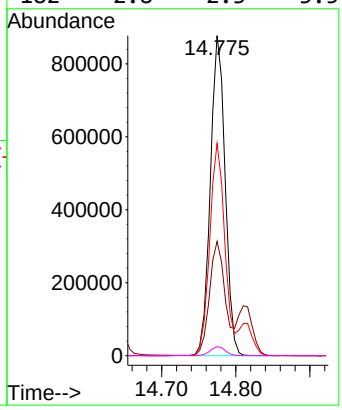


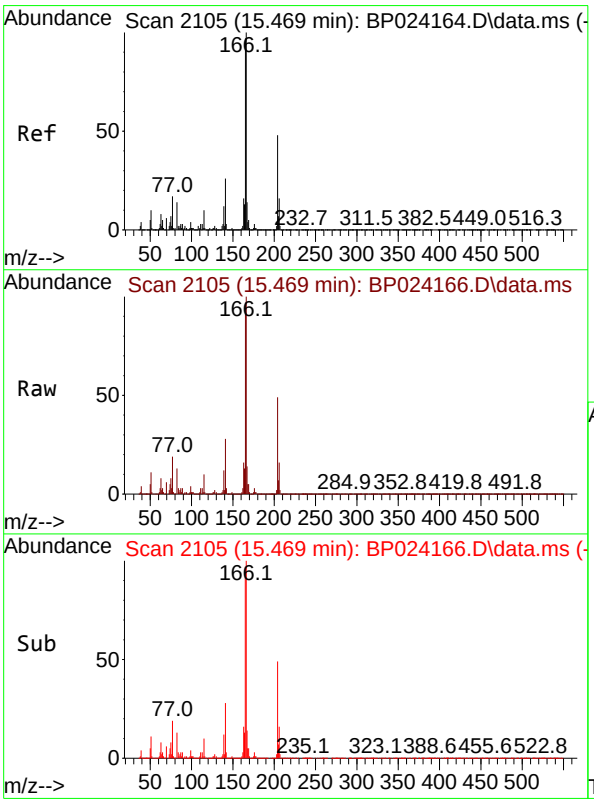
#57
2,4-Dinitrotoluene
Concen: 69.346 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

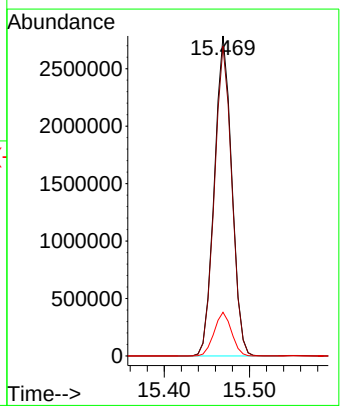


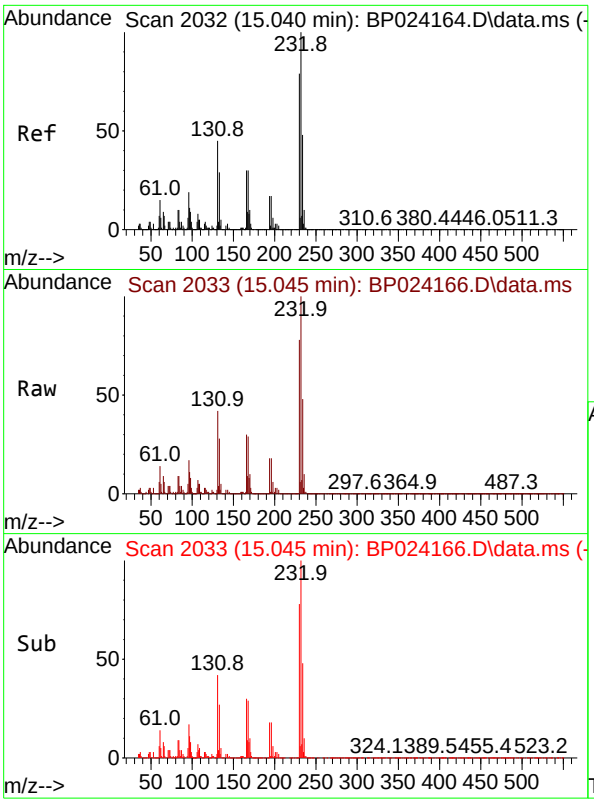


#58
Fluorene
Concen: 59.702 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



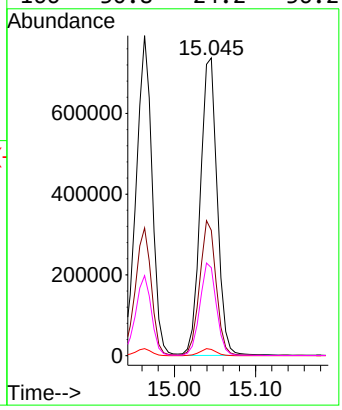


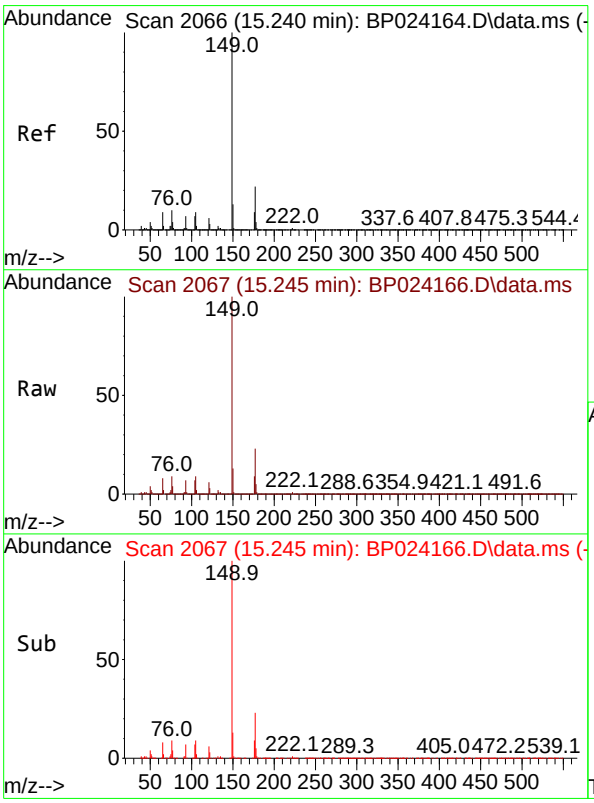
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.439 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

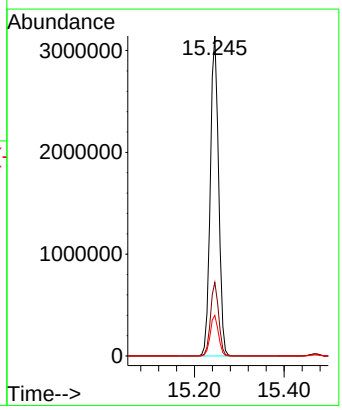


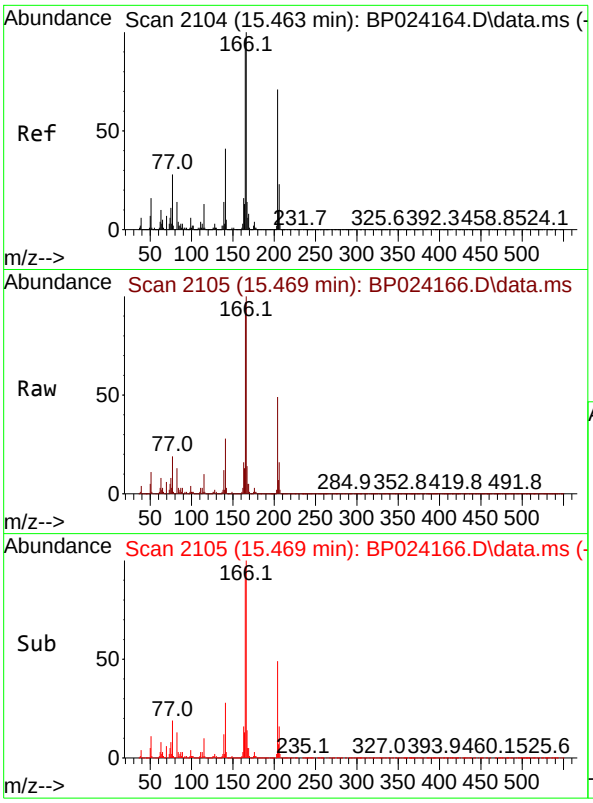


#60
Diethylphthalate
Concen: 61.486 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



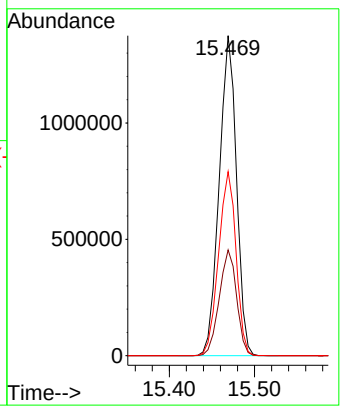


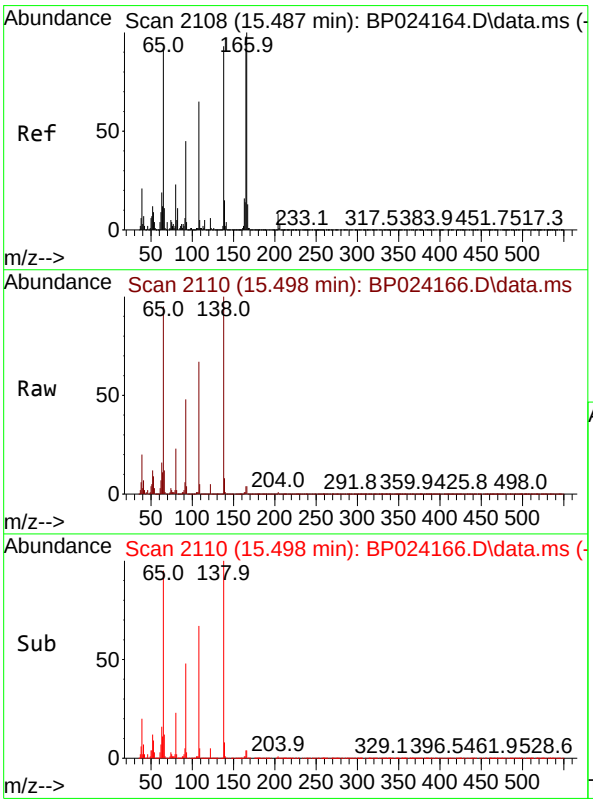
#61
4-Chlorophenyl-phenylether
Concen: 59.370 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

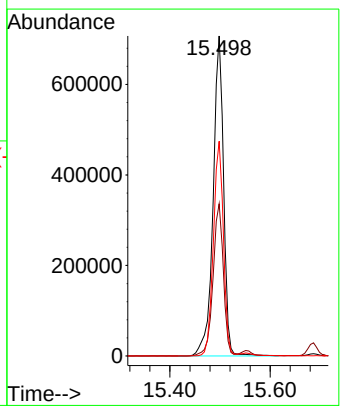


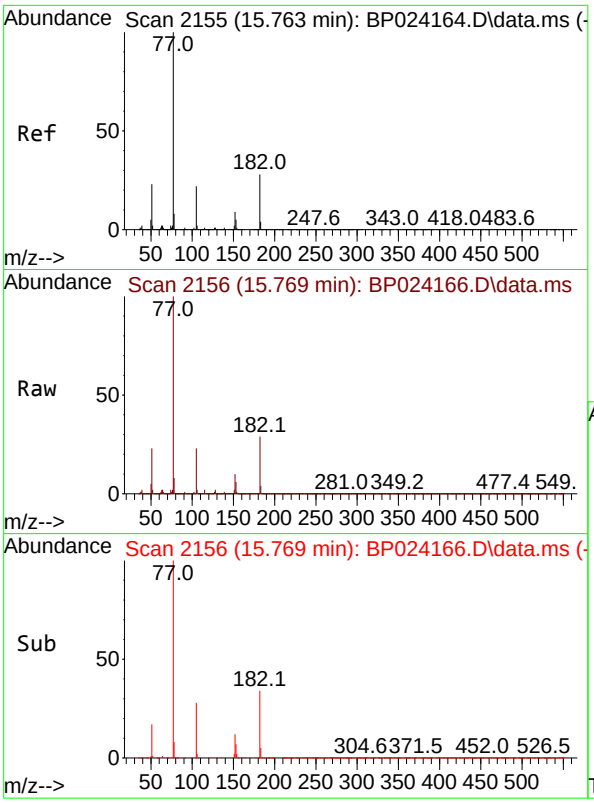


#62
4-Nitroaniline
Concen: 68.824 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



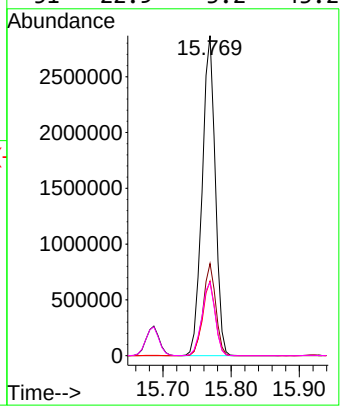


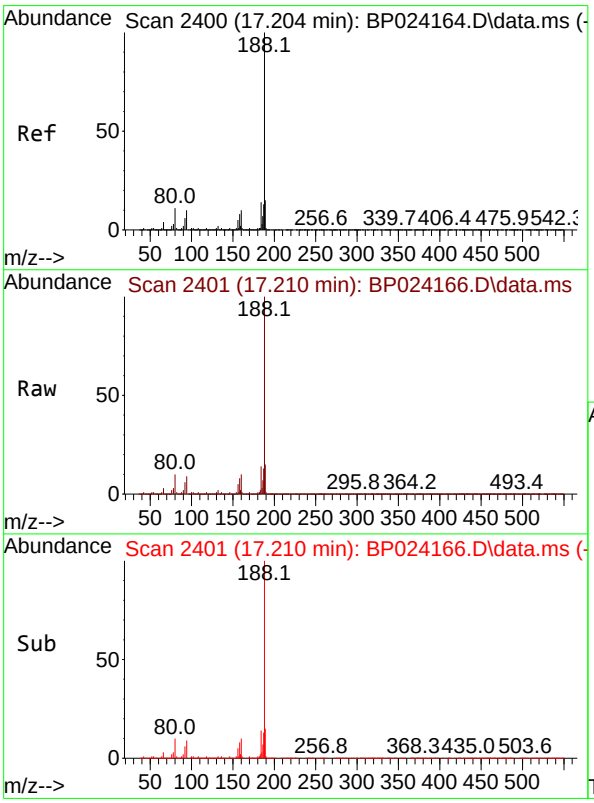
#63
Azobenzene
Concen: 62.340 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

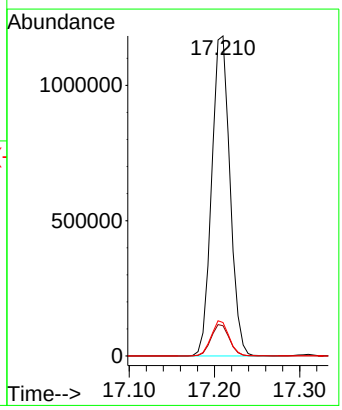


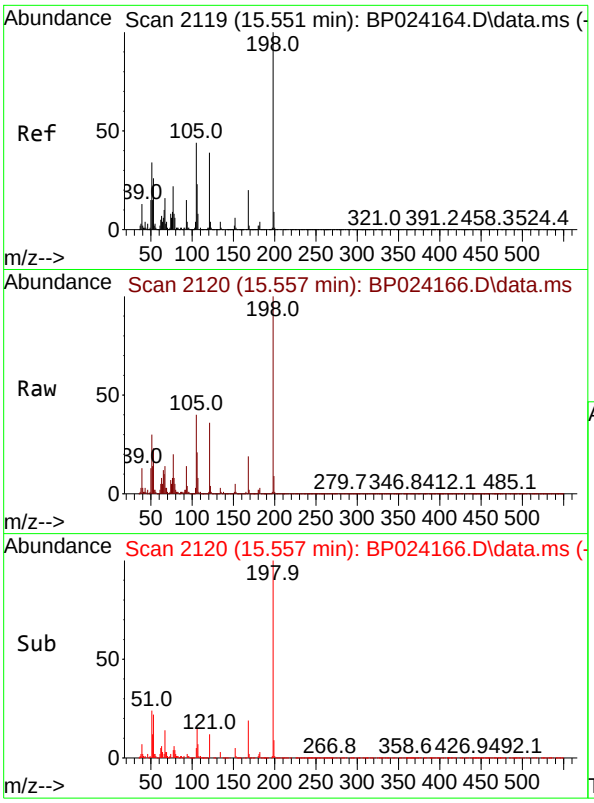


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



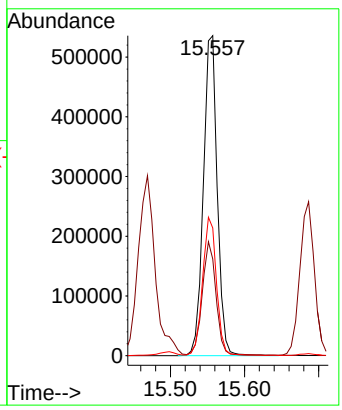


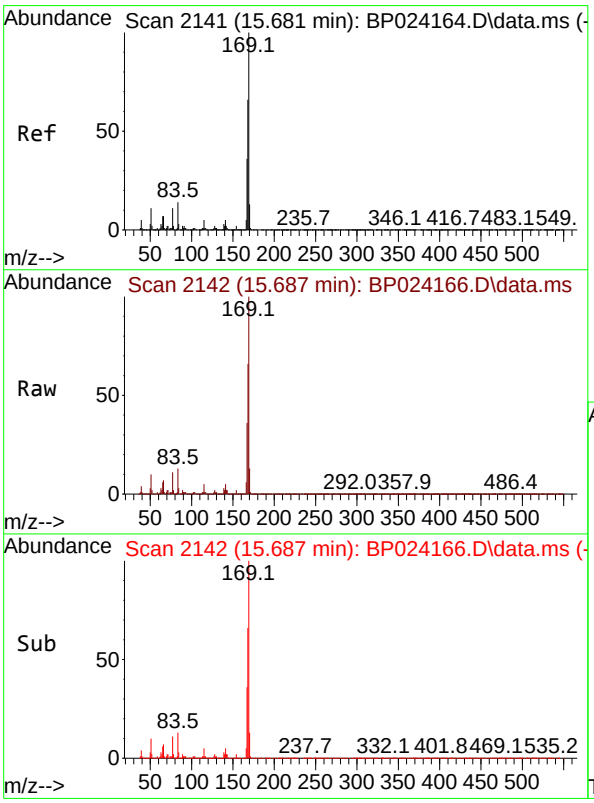
#65
4,6-Dinitro-2-methylphenol
Concen: 68.563 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

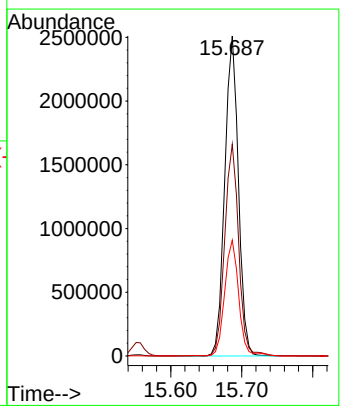


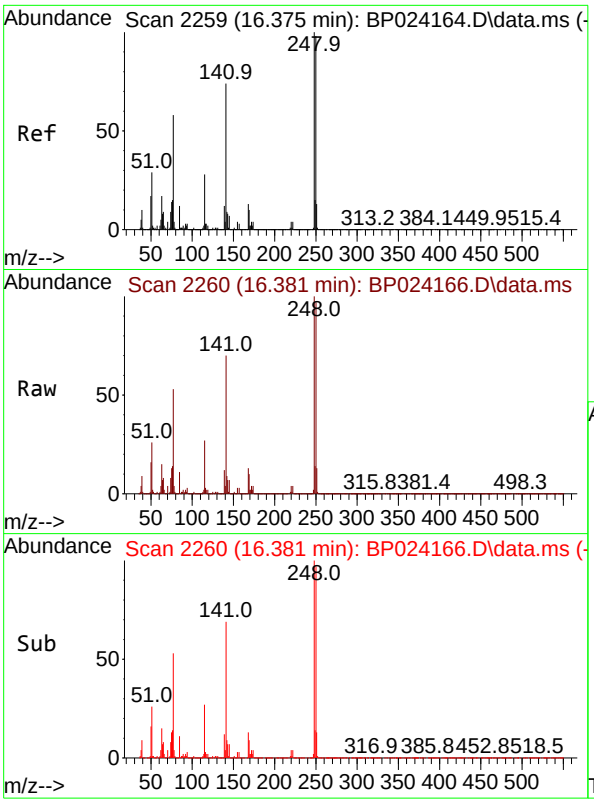


#66
n-Nitrosodiphenylamine
Concen: 60.776 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



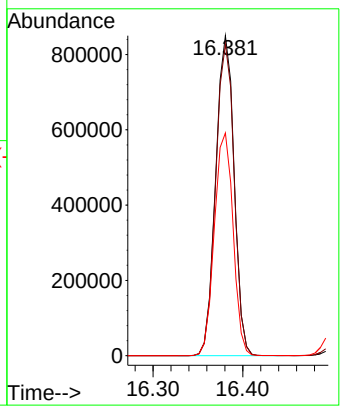


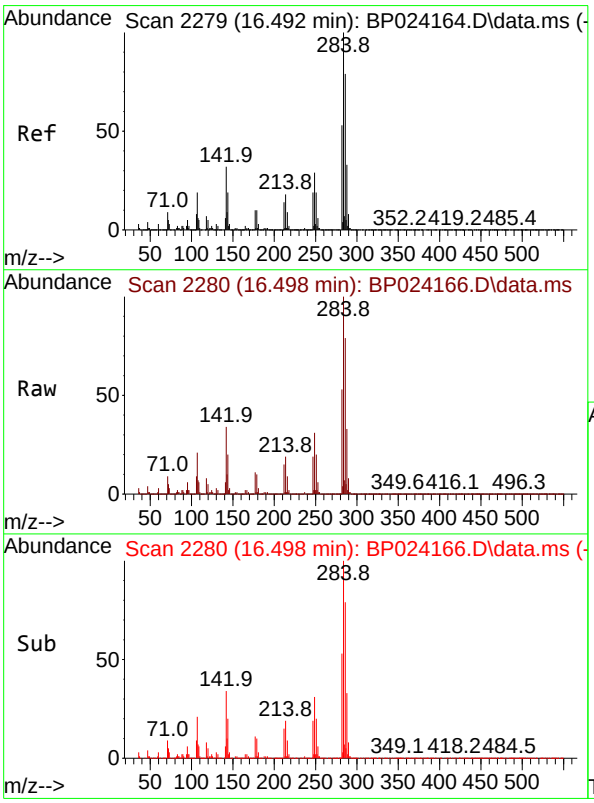
#67
4-Bromophenyl-phenylether
Concen: 61.311 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

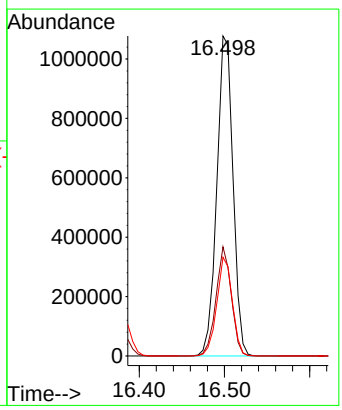


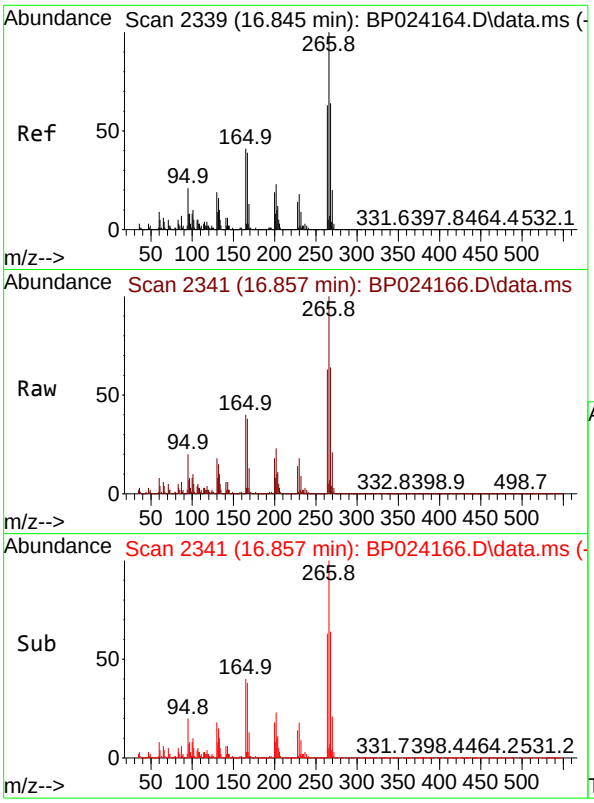


#68
Hexachlorobenzene
Concen: 61.320 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



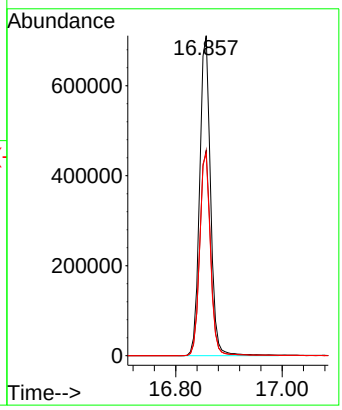


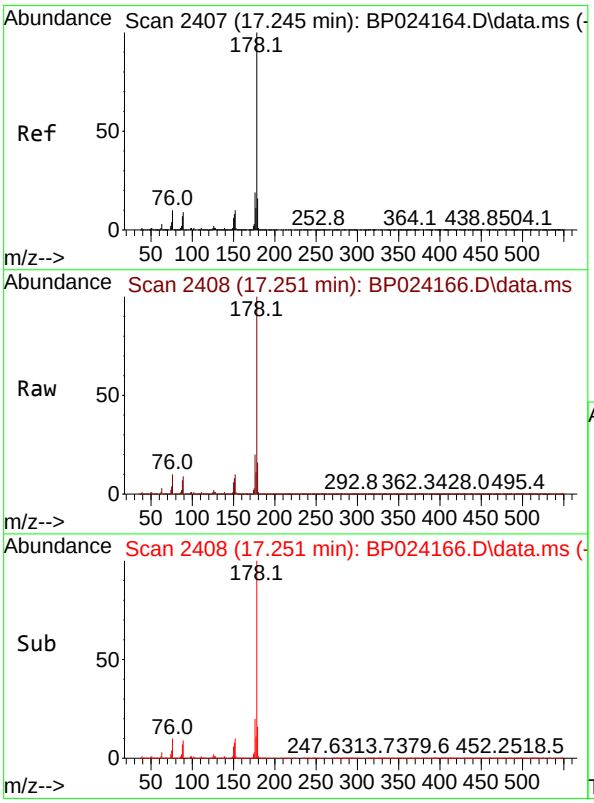
#70
Pentachlorophenol
Concen: 66.402 ng
RT: 16.857 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

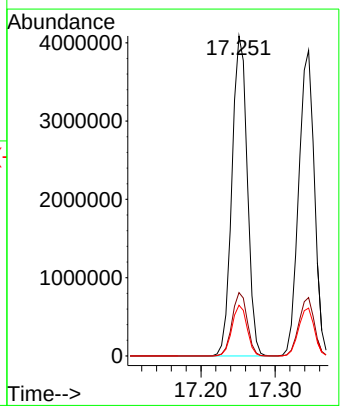


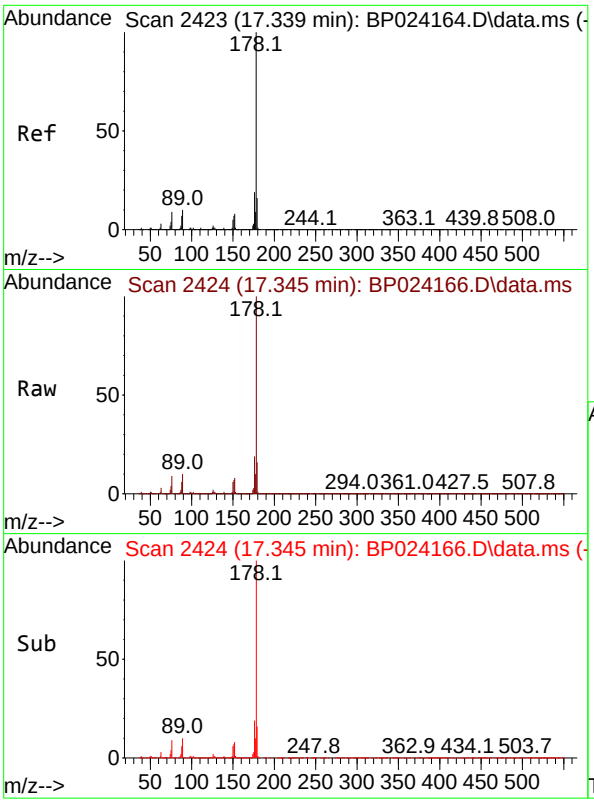


#71
Phenanthrene
Concen: 59.103 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



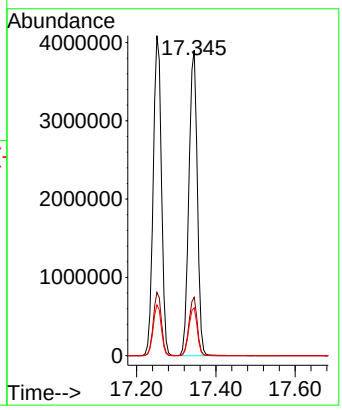


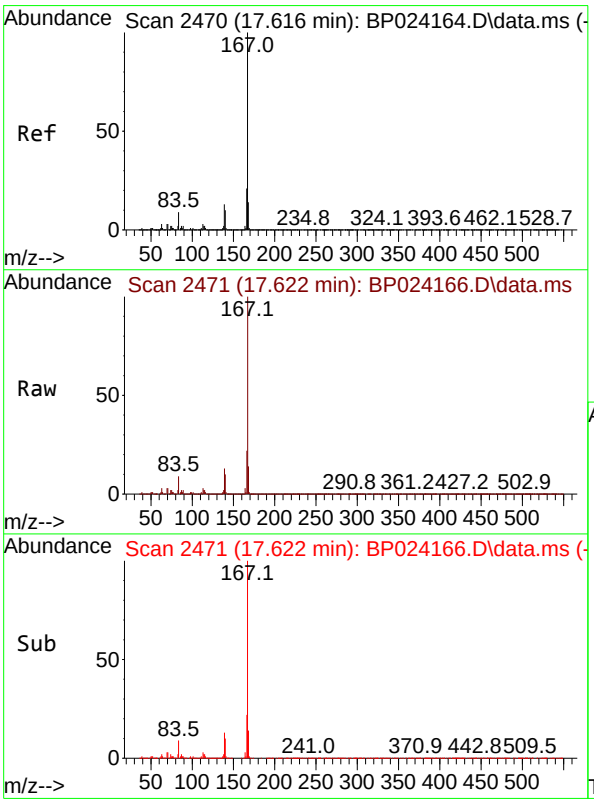
#72
Anthracene
Concen: 60.532 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

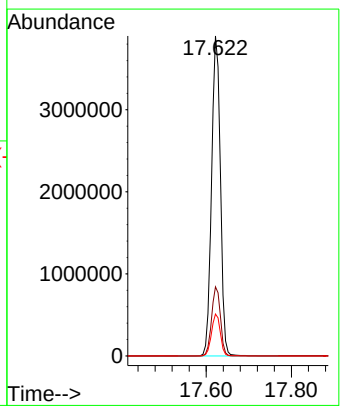


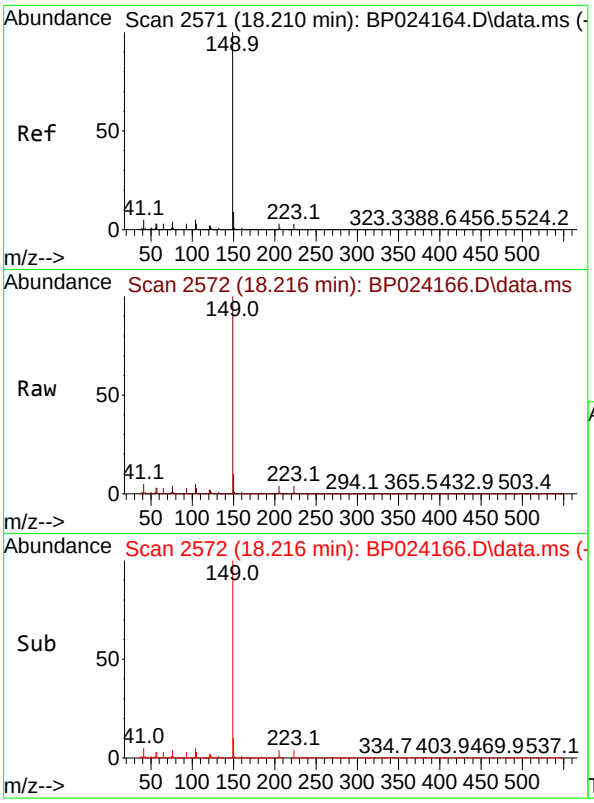


#73
Carbazole
Concen: 61.810 ng
RT: 17.622 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



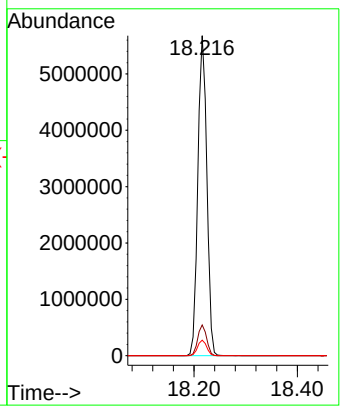


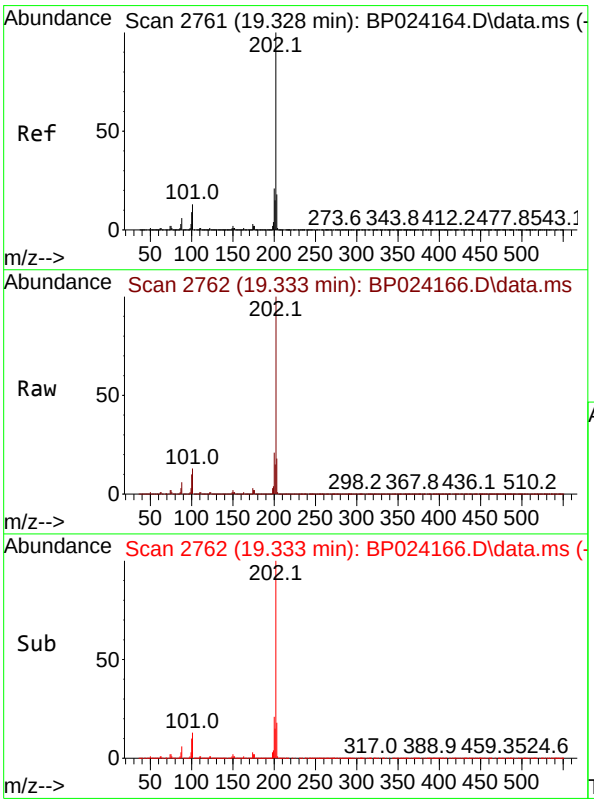
#74
Di-n-butylphthalate
Concen: 64.761 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

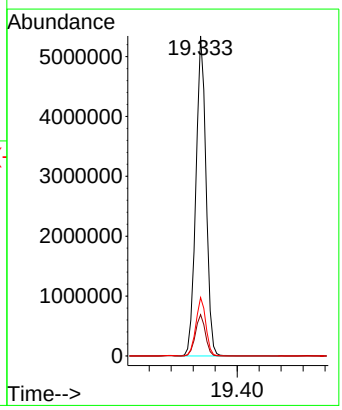


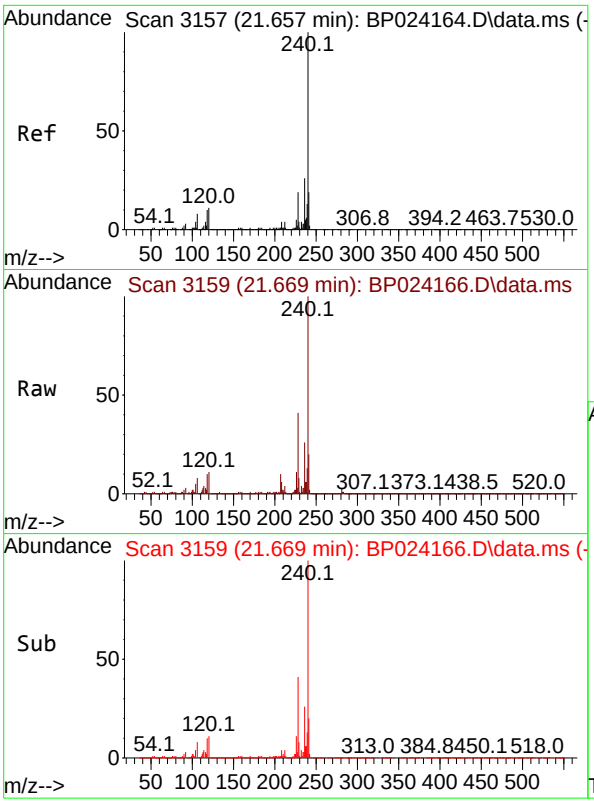


#75
Fluoranthene
Concen: 61.042 ng
RT: 19.333 min Scan# 2762
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



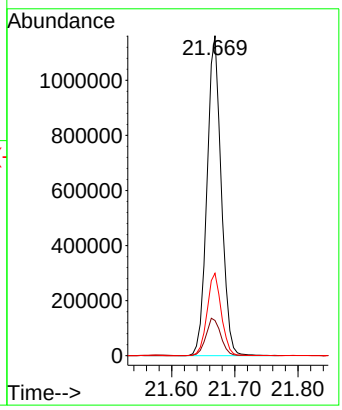


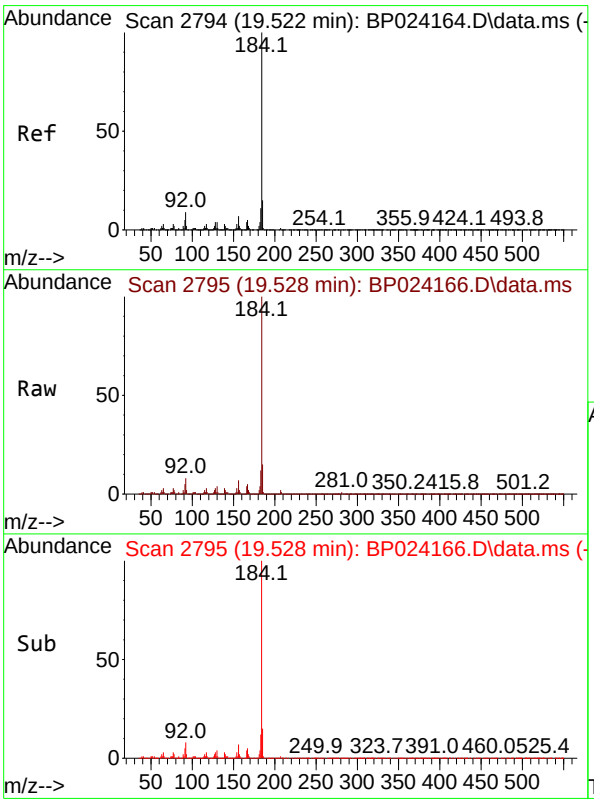
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

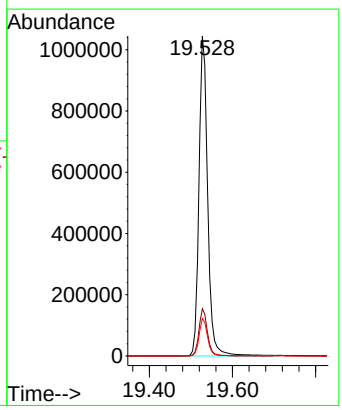


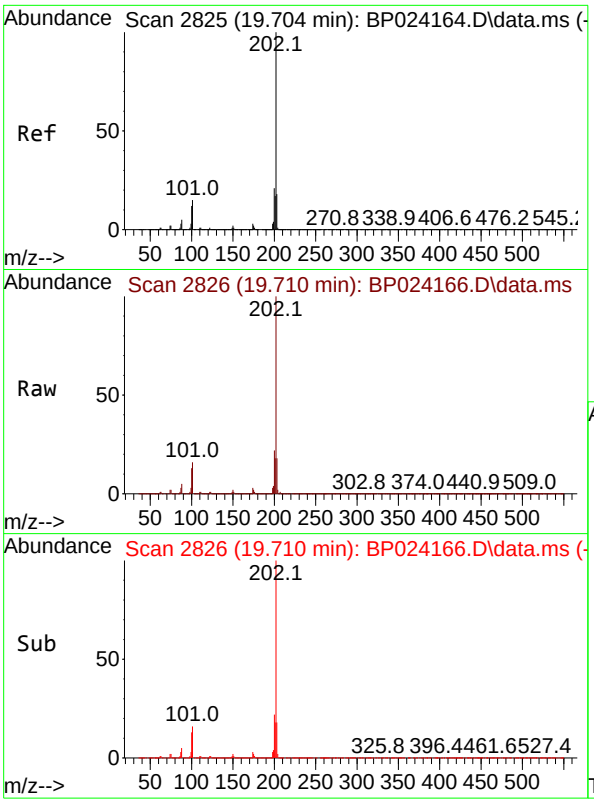


#77
Benzidine
Concen: 68.561 ng
RT: 19.528 min Scan# 2795
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



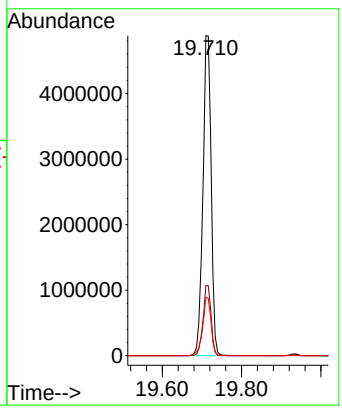


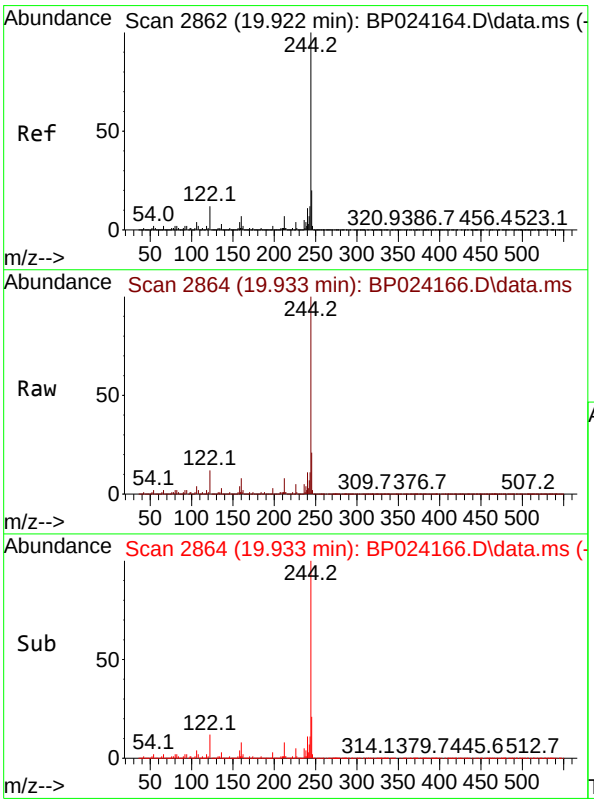
#78
Pyrene
Concen: 61.052 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

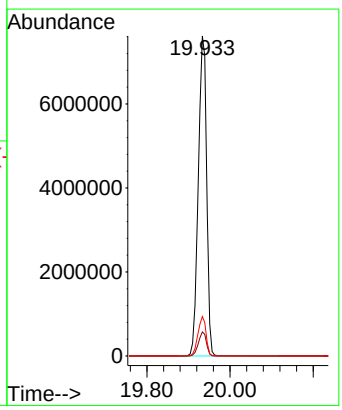


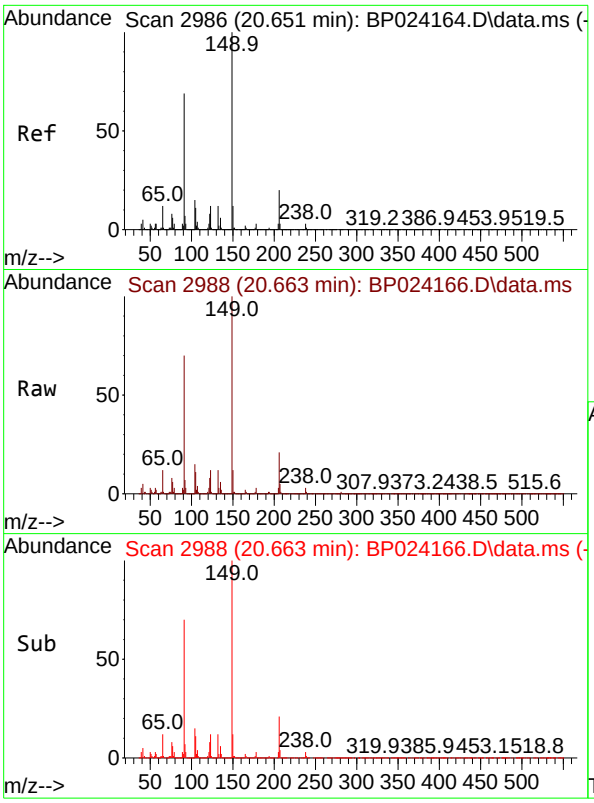


#79
Terphenyl-d14
Concen: 115.330 ng
RT: 19.933 min Scan# 2864
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



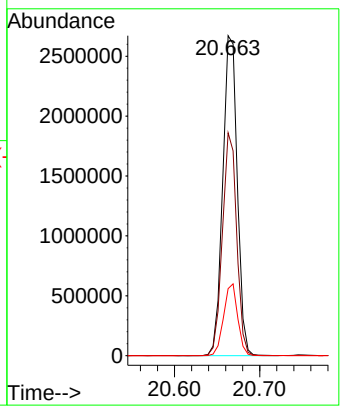


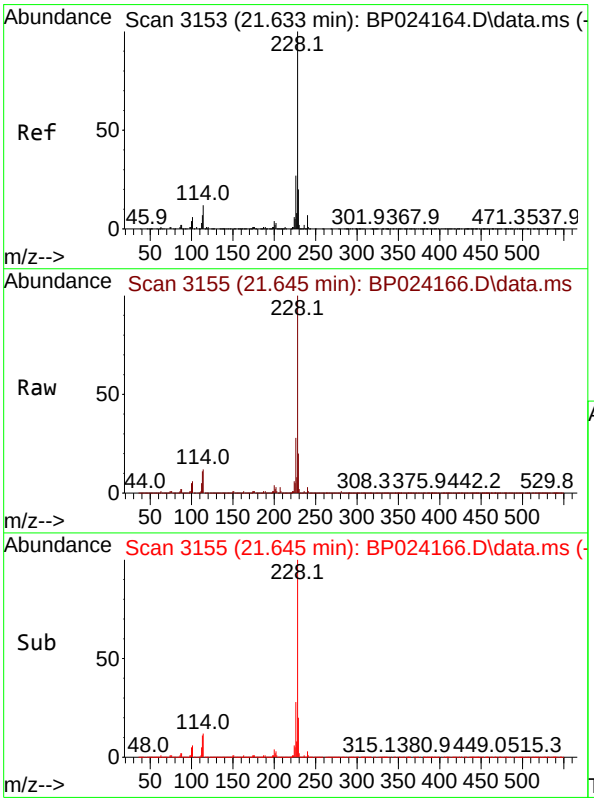
#80
Butylbenzylphthalate
Concen: 71.649 ng
RT: 20.663 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

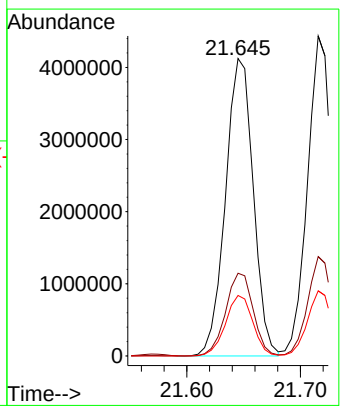


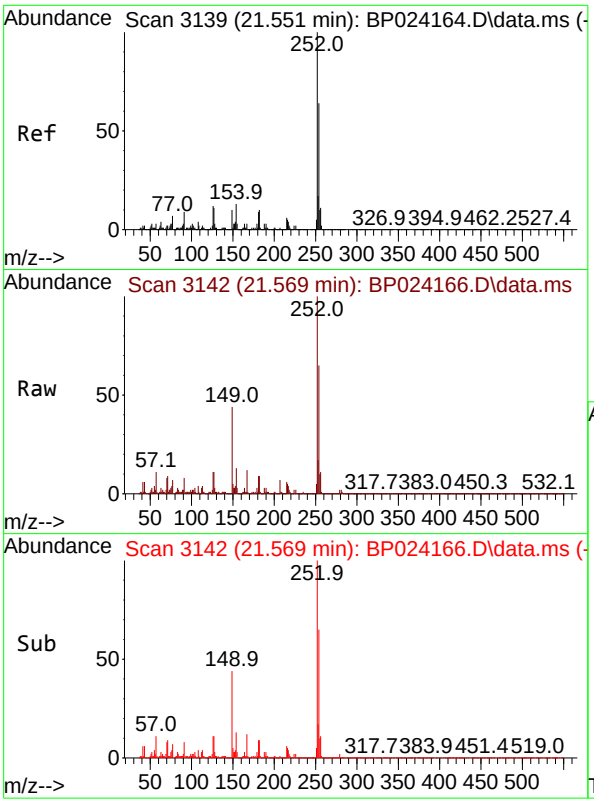


#81
Benzo(a)anthracene
Concen: 61.500 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



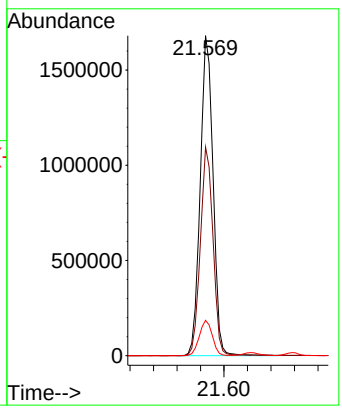


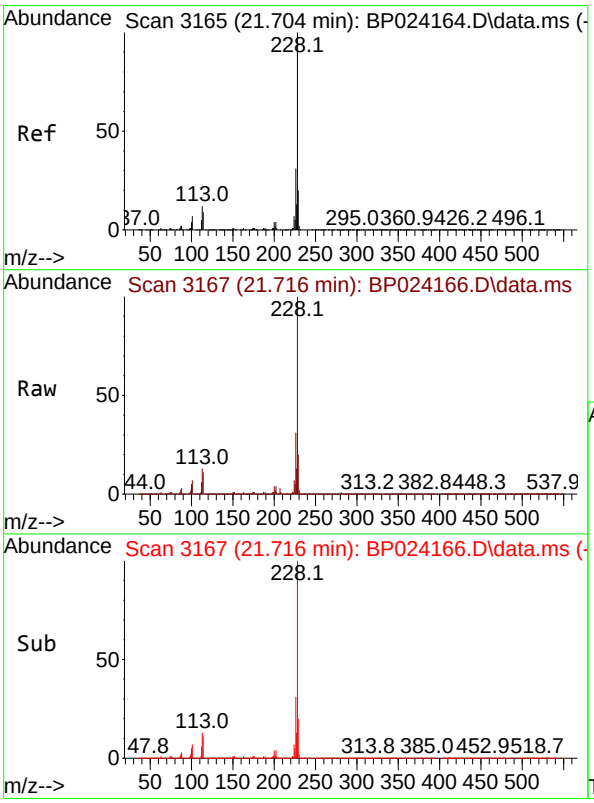
#82
3,3'-Dichlorobenzidine
Concen: 71.531 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

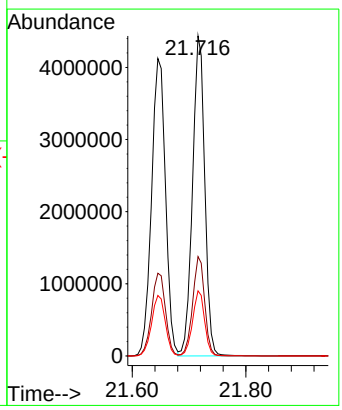


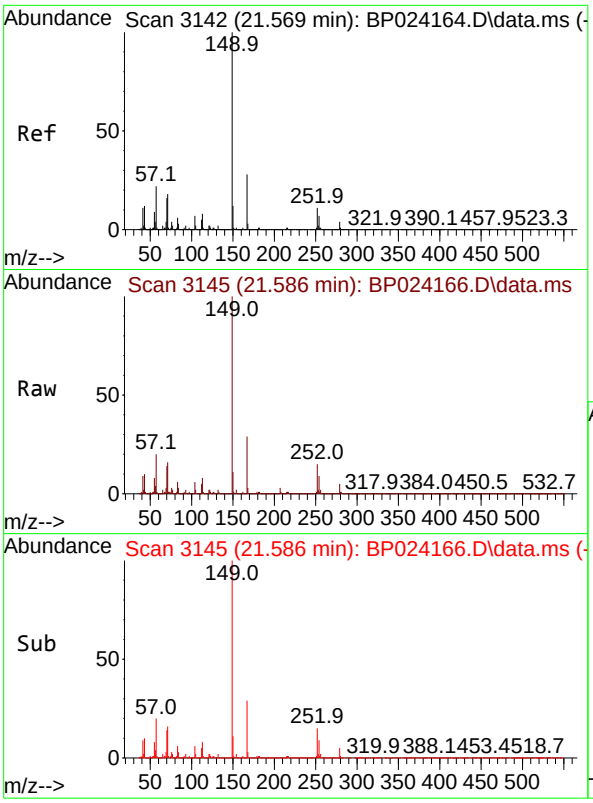


#83
Chrysene
Concen: 60.535 ng
RT: 21.716 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



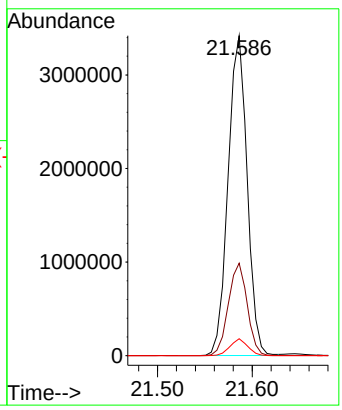


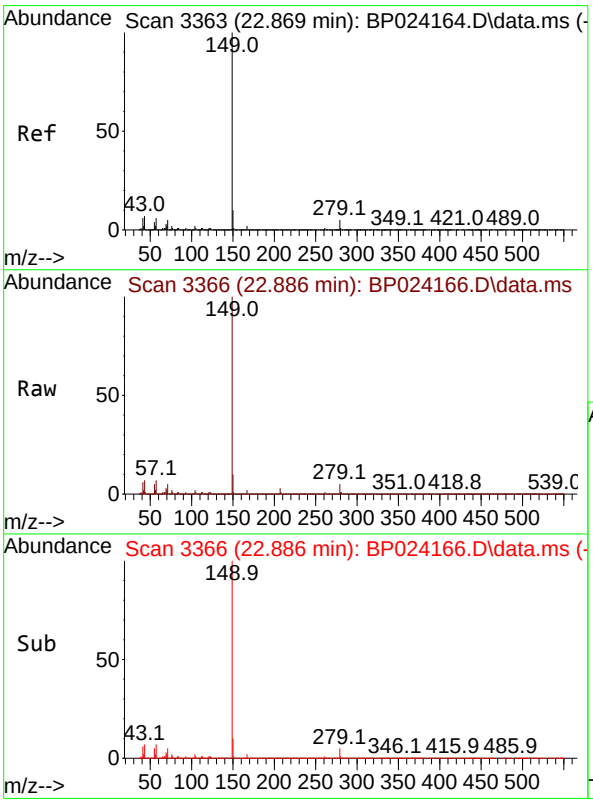
#84
Bis(2-ethylhexyl)phthalate
Concen: 71.363 ng
RT: 21.586 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

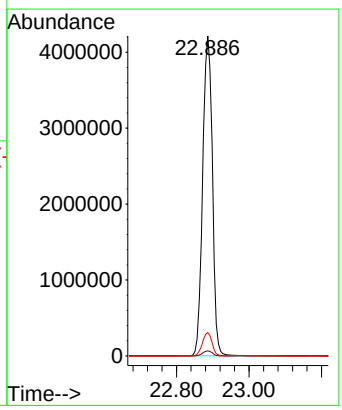


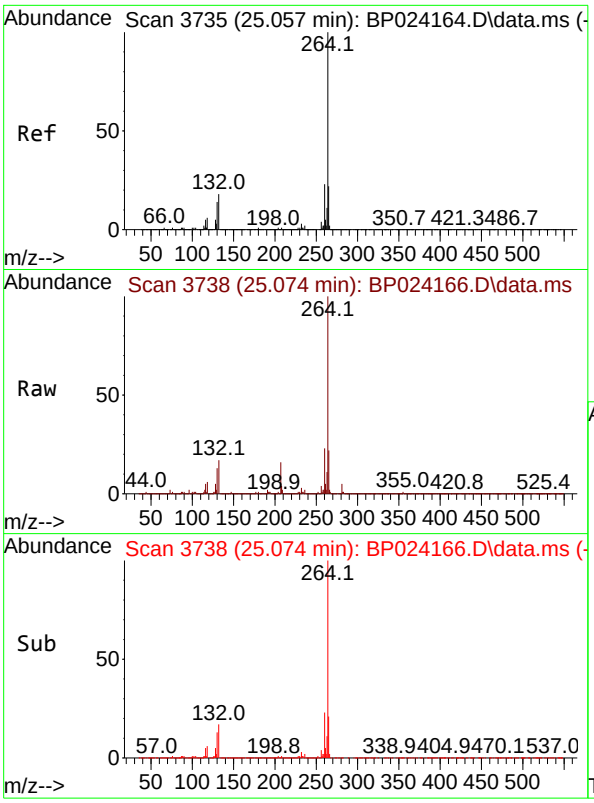


#85
Di-n-octyl phthalate
Concen: 72.964 ng
RT: 22.886 min Scan# 3366
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



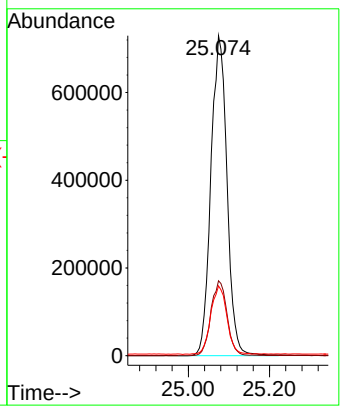


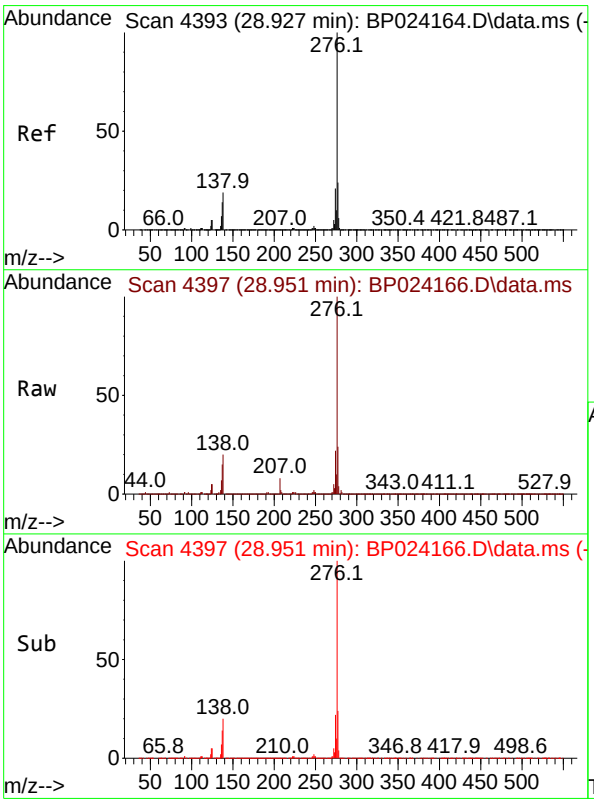
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

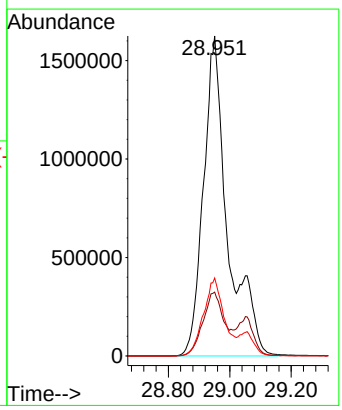


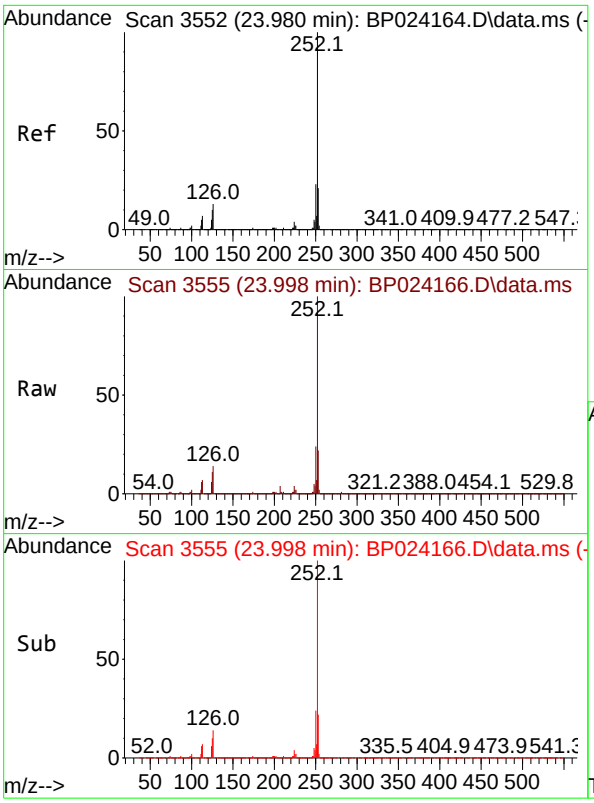


#87
Indeno(1,2,3-cd)pyrene
Concen: 62.364 ng m
RT: 28.951 min Scan# 4397
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



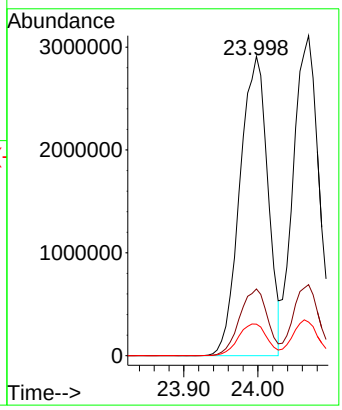


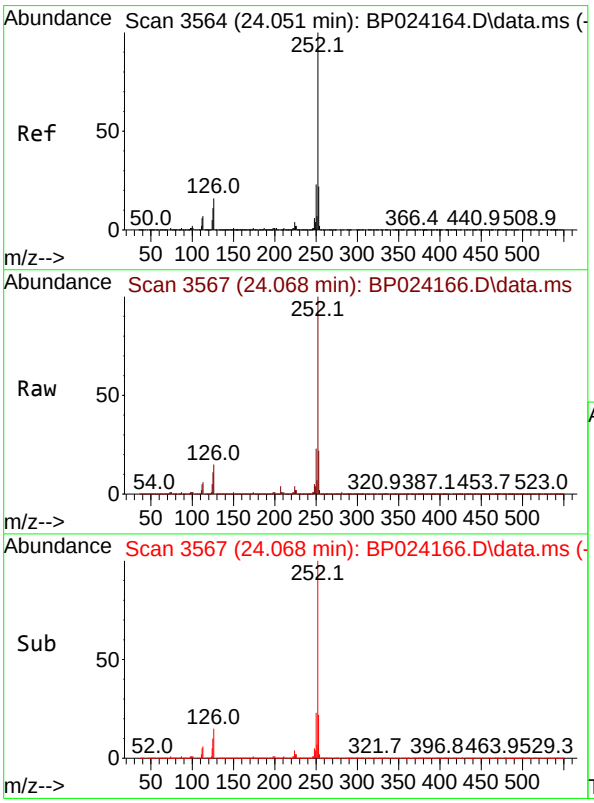
#88
Benzo(b)fluoranthene
Concen: 59.798 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

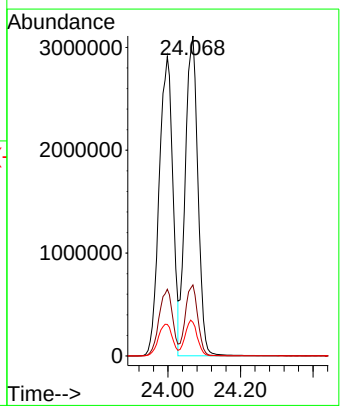


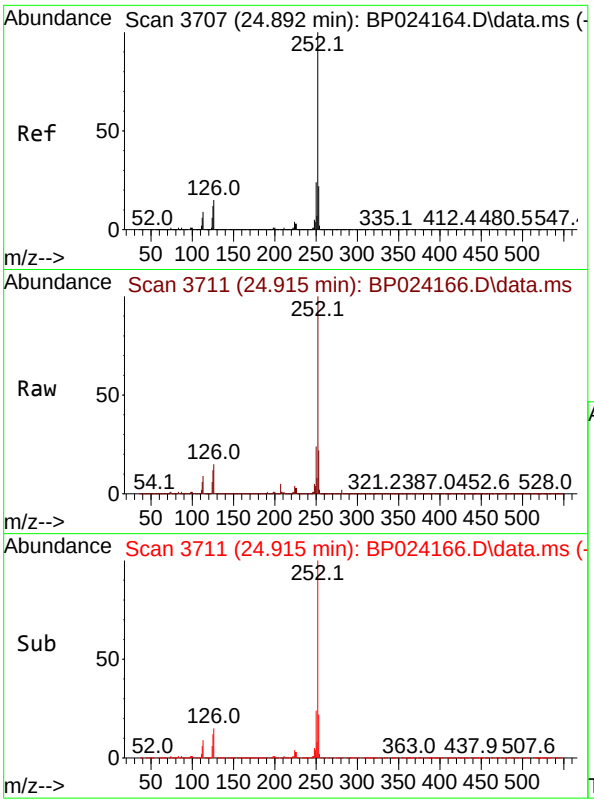


#89
Benzo(k)fluoranthene
Concen: 60.696 ng
RT: 24.068 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



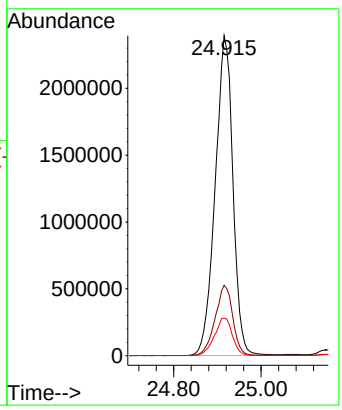


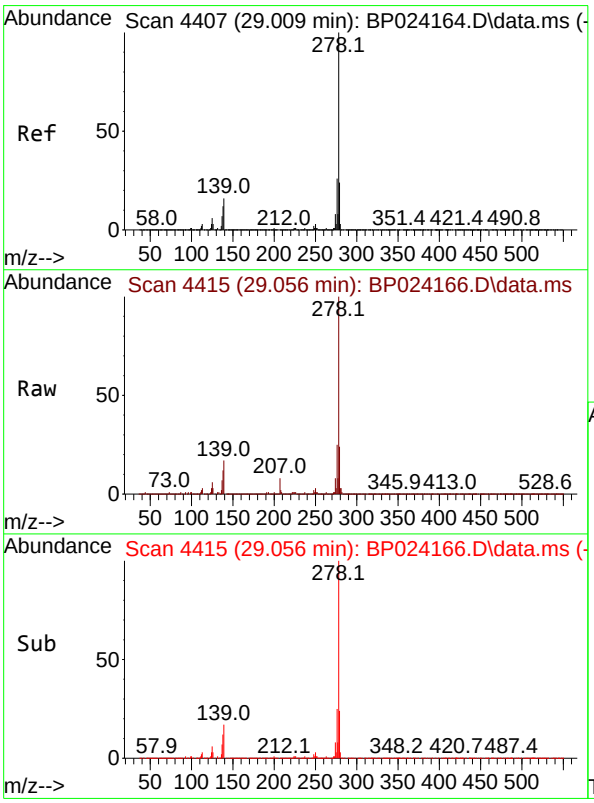
#90
Benzo(a)pyrene
Concen: 62.275 ng
RT: 24.915 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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

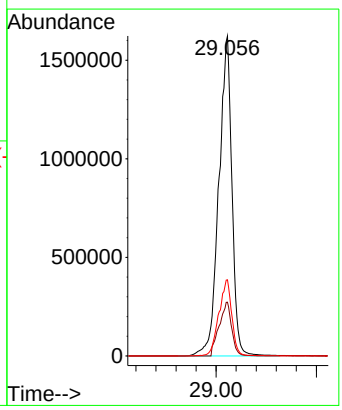


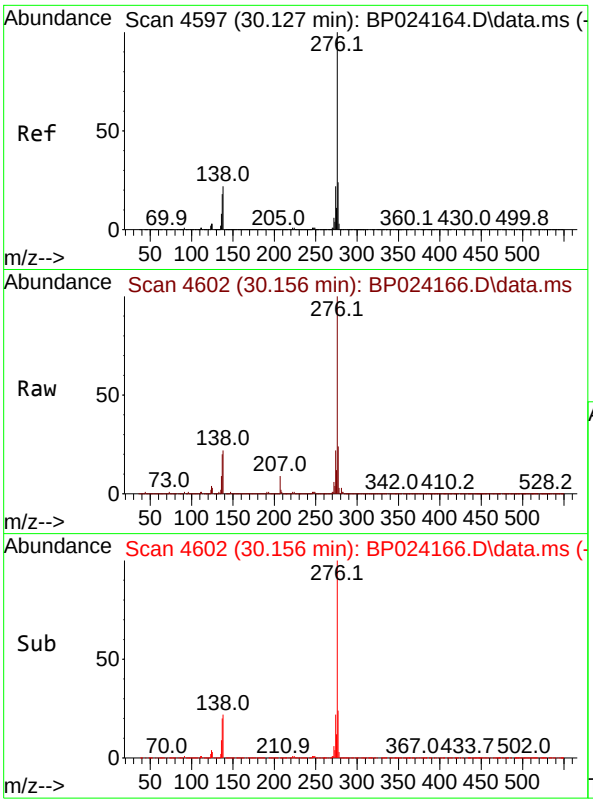


#91
Dibenzo(a,h)anthracene
Concen: 61.510 ng
RT: 29.056 min Scan# 4415
Delta R.T. 0.047 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



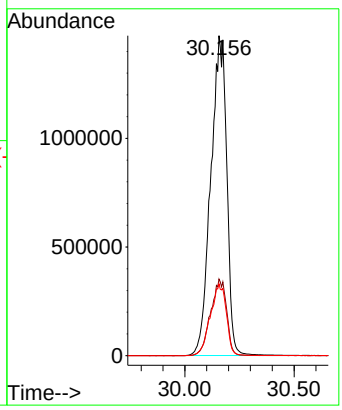


#92
Benzo(g,h,i)perylene
Concen: 61.593 ng
RT: 30.156 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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



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

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

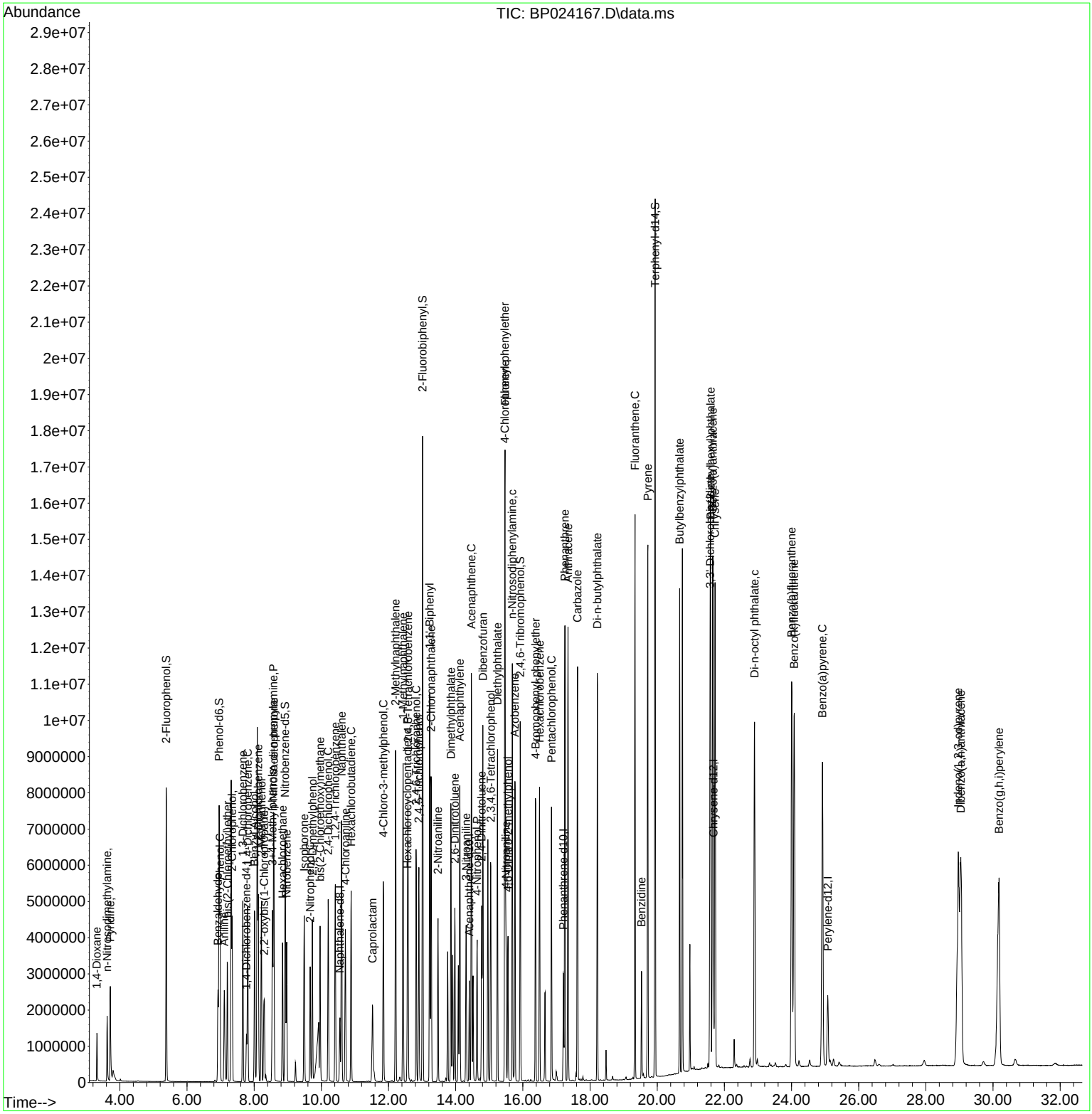
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.228	154	5406424	78.284	ng		99
47) 2-Chloronaphthalene	13.269	162	4094698	78.432	ng		100
48) 2-Nitroaniline	13.475	65	1150637	93.303	ng		98
49) Acenaphthylene	14.122	152	6343598	82.473	ng		99
50) Dimethylphthalate	13.857	163	5115780	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

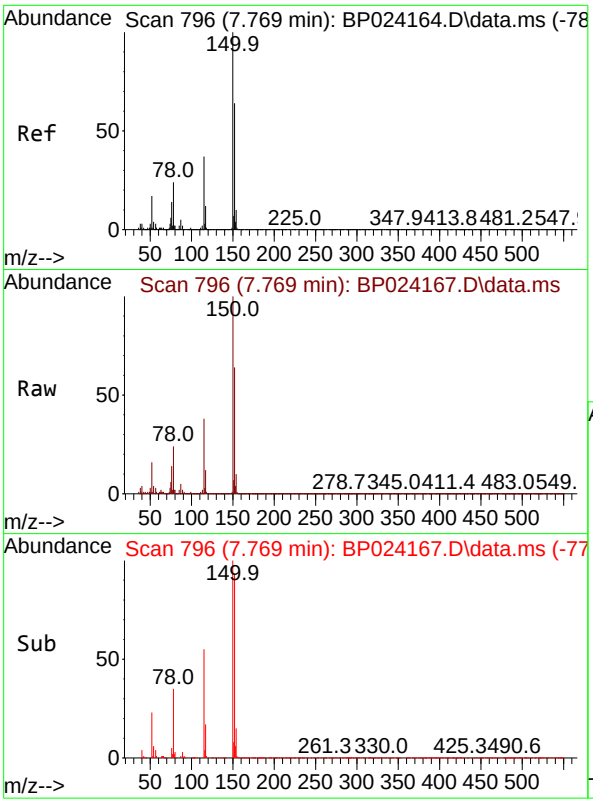
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



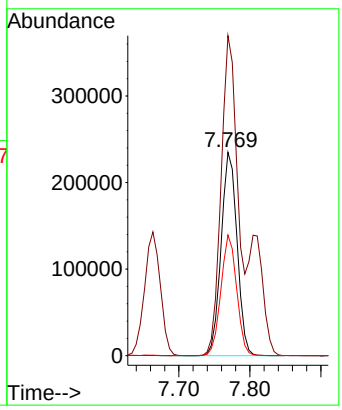


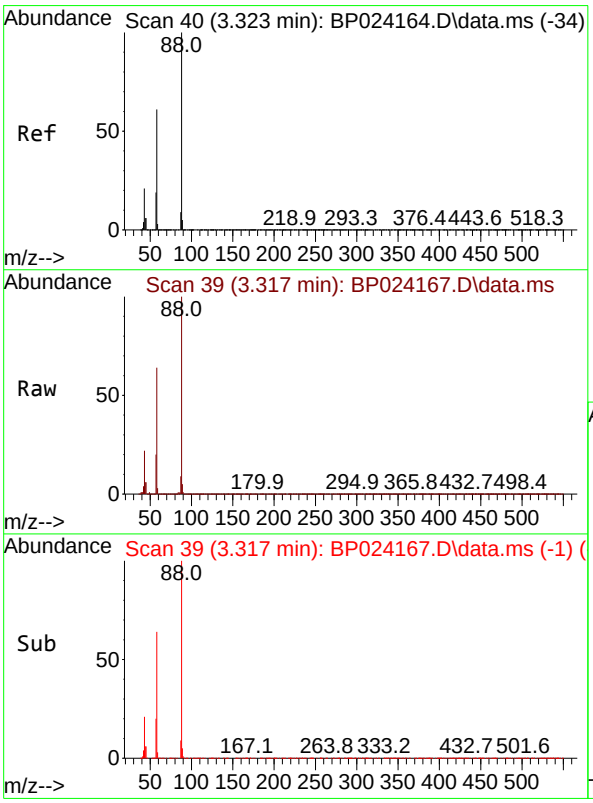
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

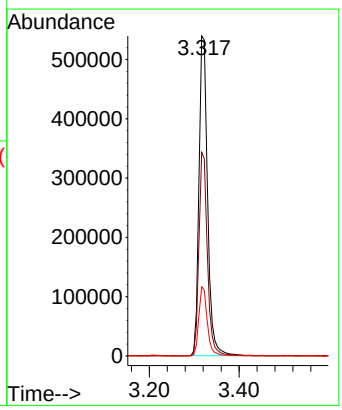


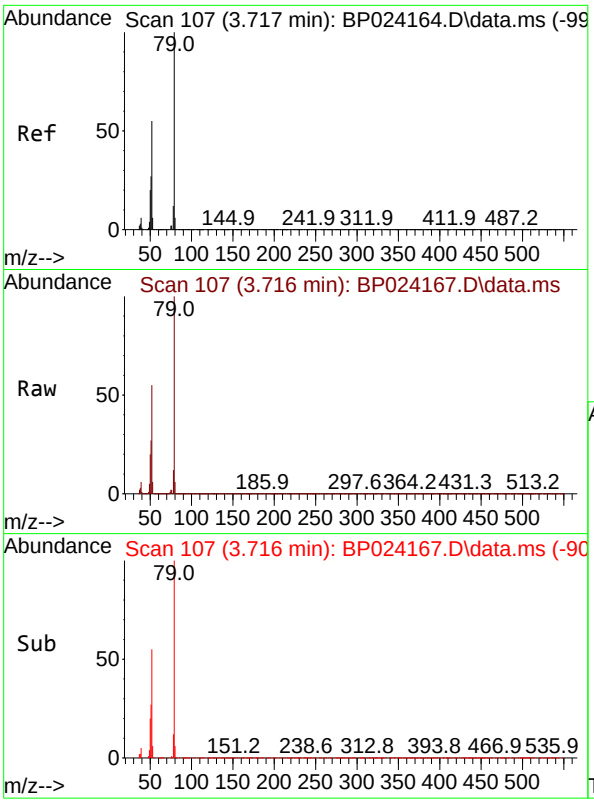


#2
1,4-Dioxane
Concen: 78.401 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



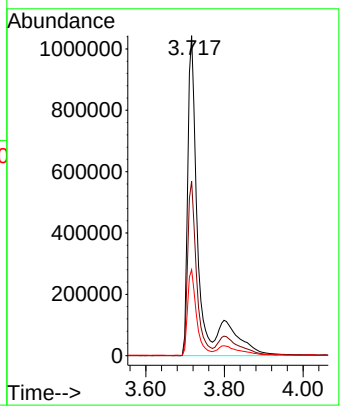


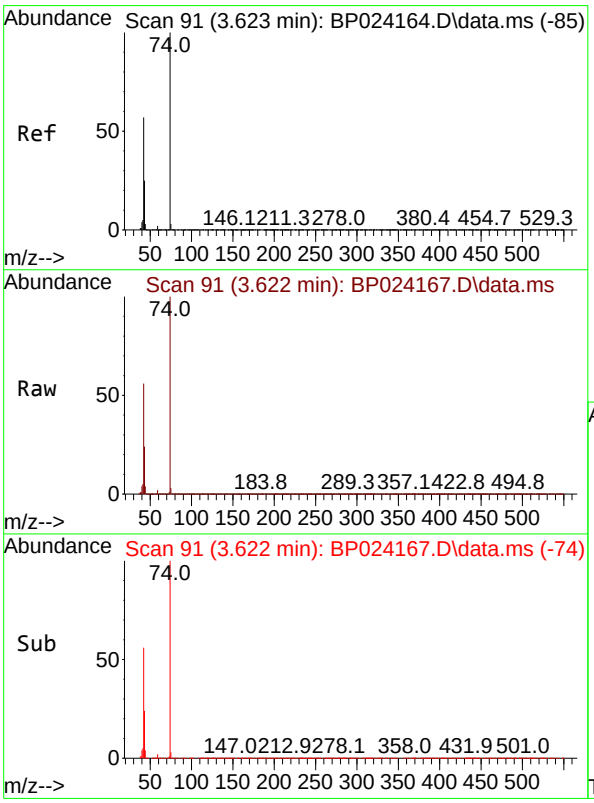
#3
Pyridine
Concen: 87.444 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

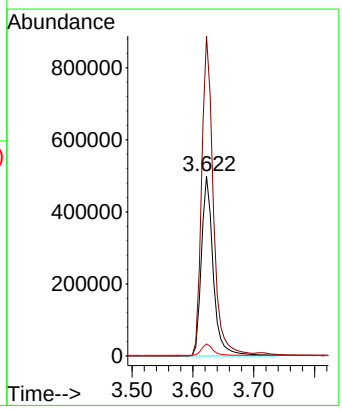


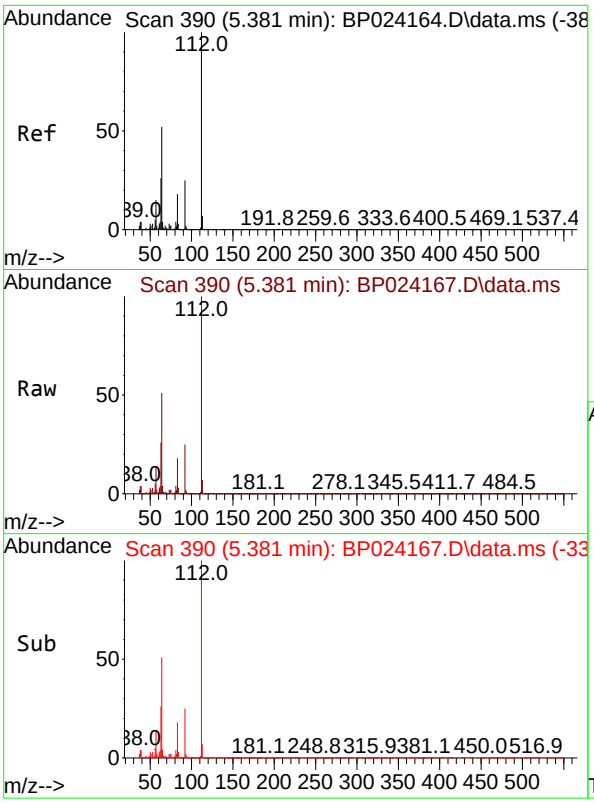


#4
n-Nitrosodimethylamine
Concen: 79.479 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



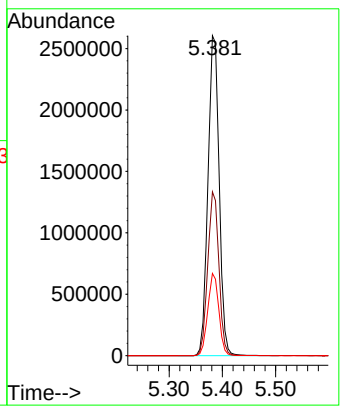


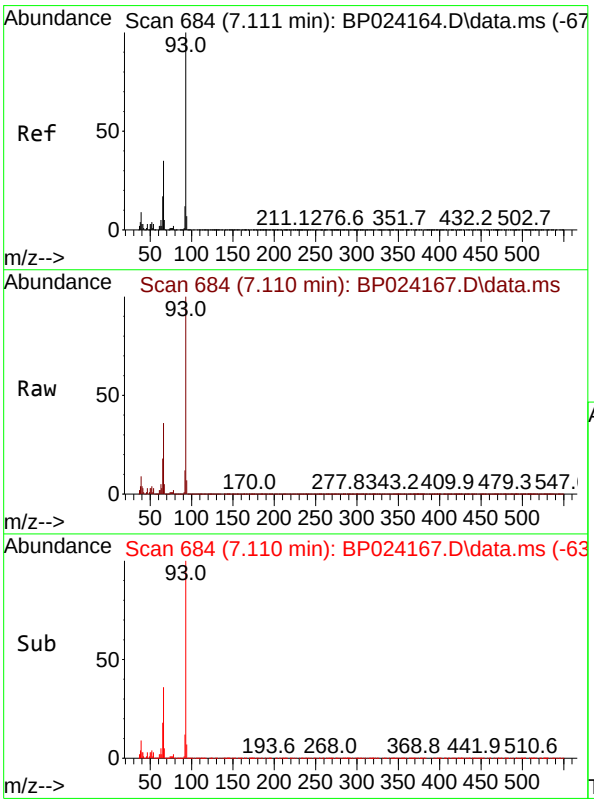
#5
2-Fluorophenol
Concen: 162.591 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

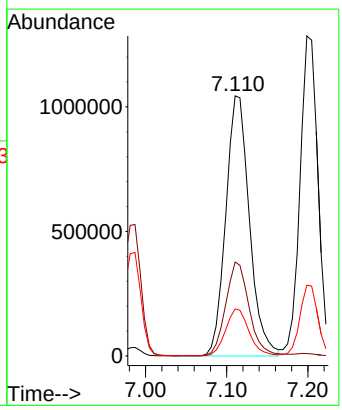


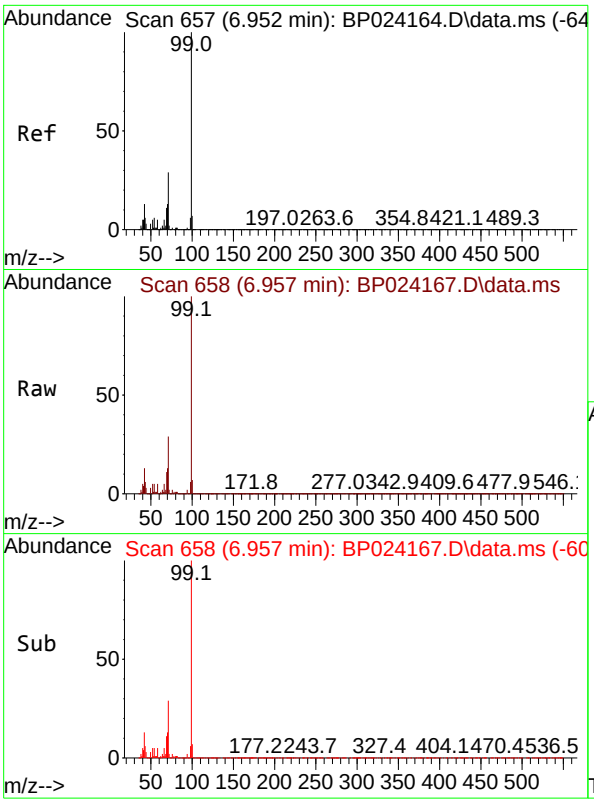


#6
Aniline
Concen: 76.717 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



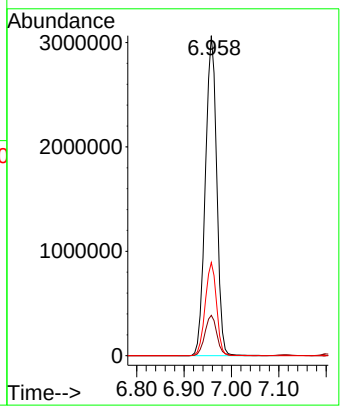


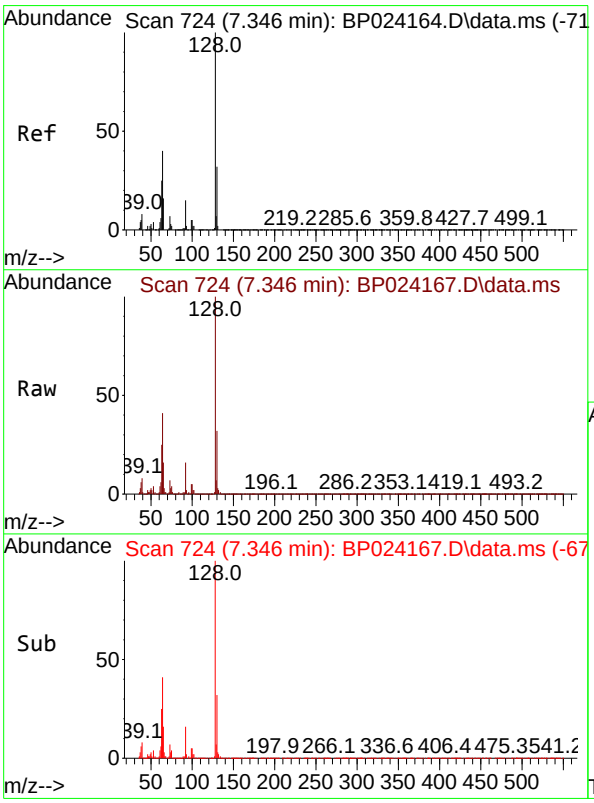
#7
Phenol-d6
Concen: 169.796 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

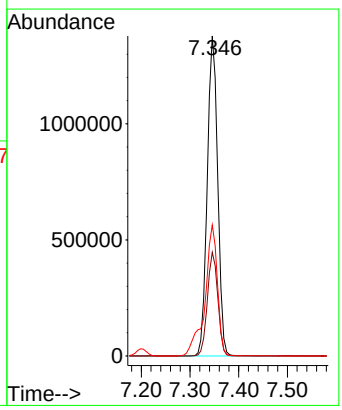


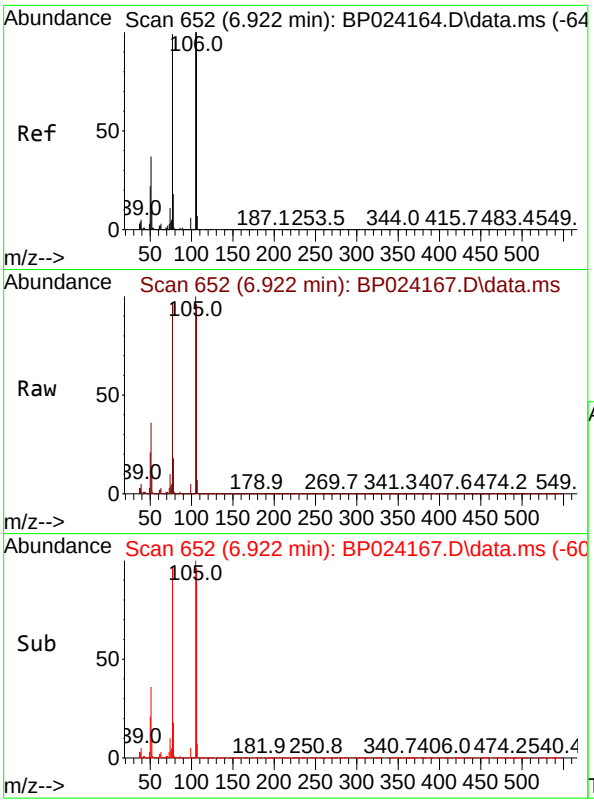


#8
2-Chlorophenol
Concen: 82.376 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



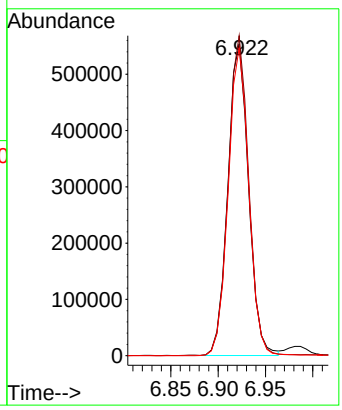


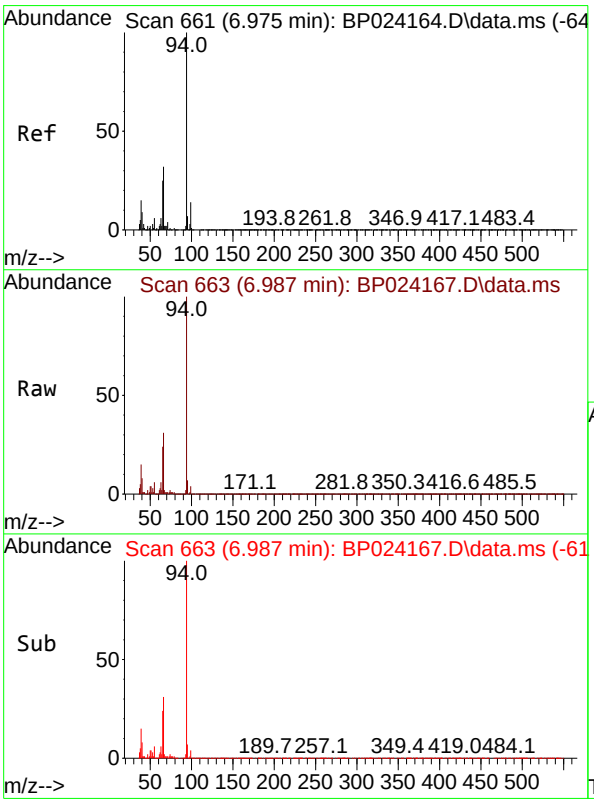
#9
Benzaldehyde
Concen: 61.412 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

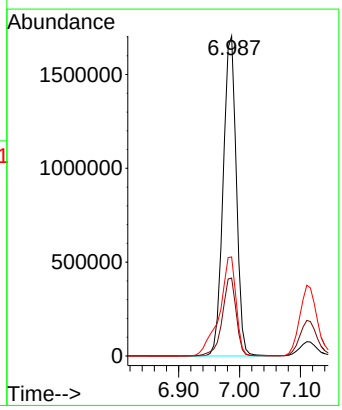


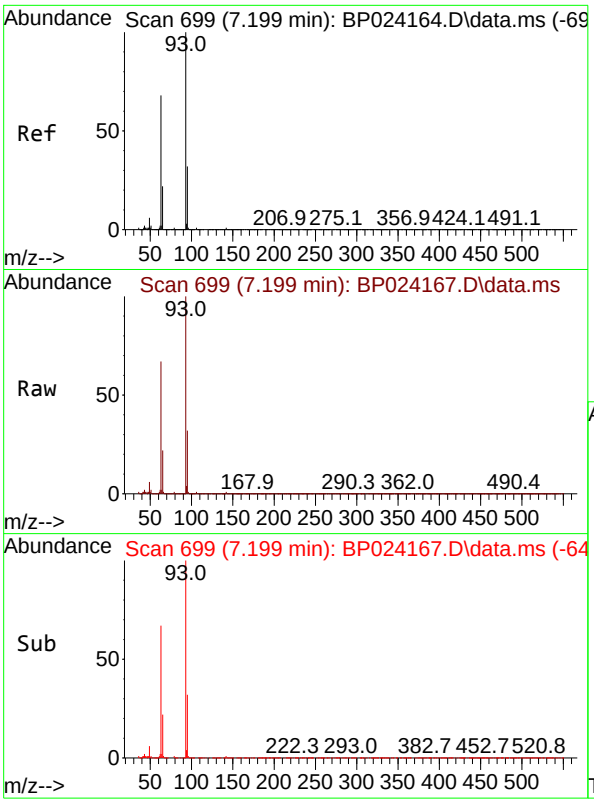


#10
Phenol
Concen: 84.573 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



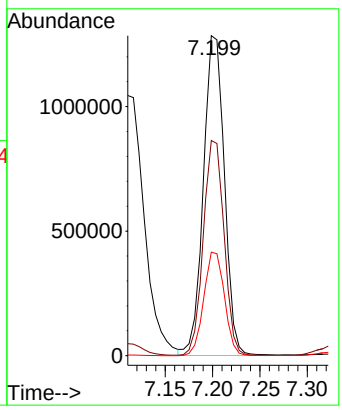


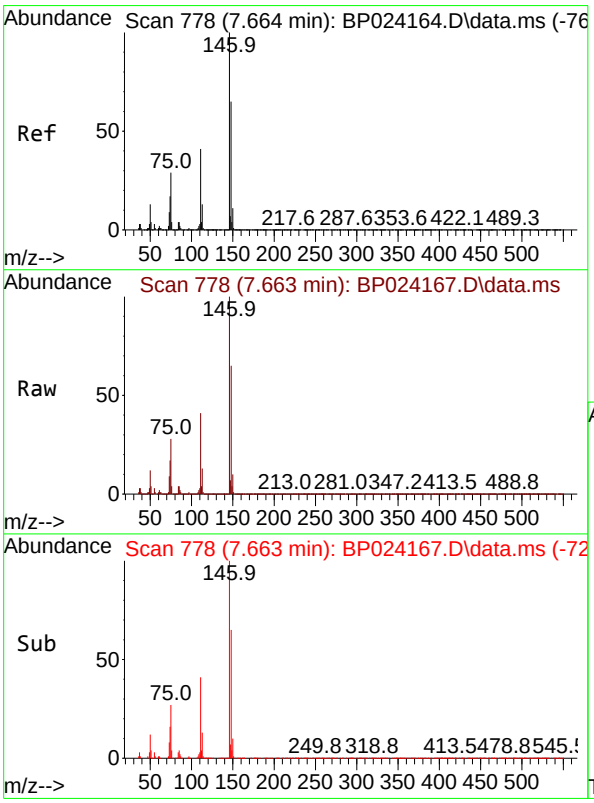
#11
bis(2-Chloroethyl)ether
Concen: 83.121 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

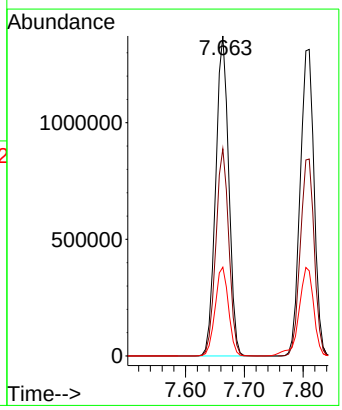


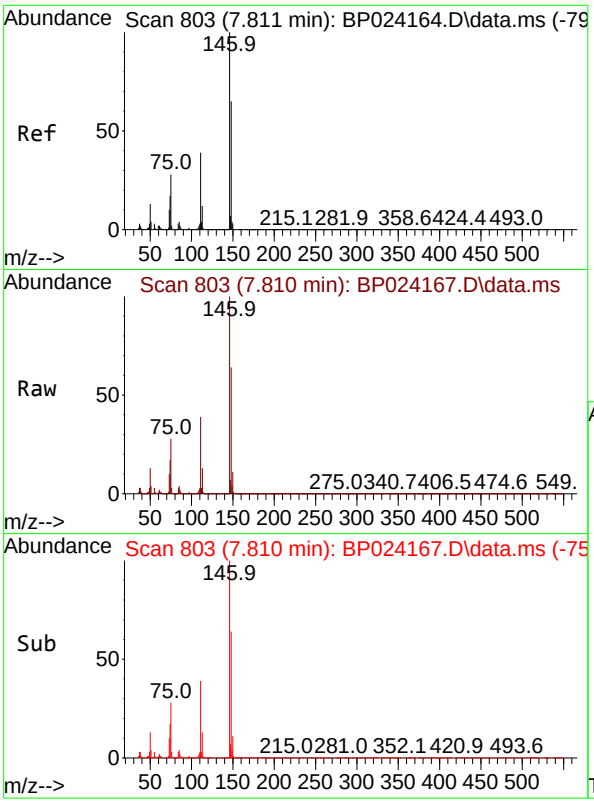


#12
1,3-Dichlorobenzene
Concen: 77.577 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



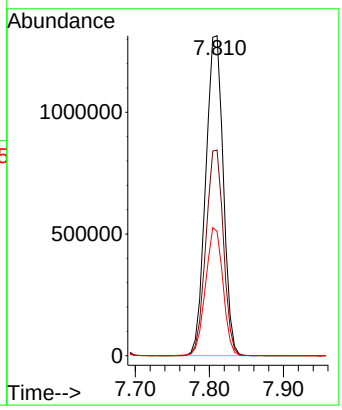


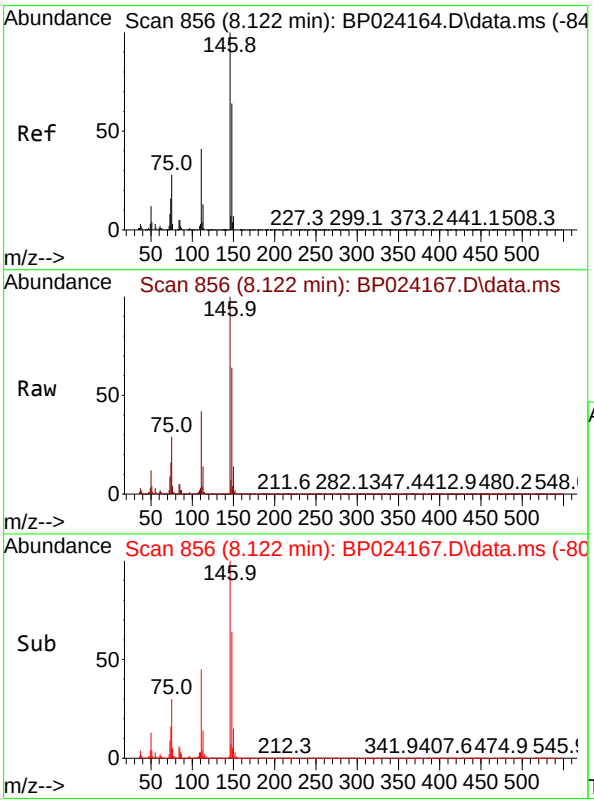
#13
1,4-Dichlorobenzene
Concen: 78.507 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

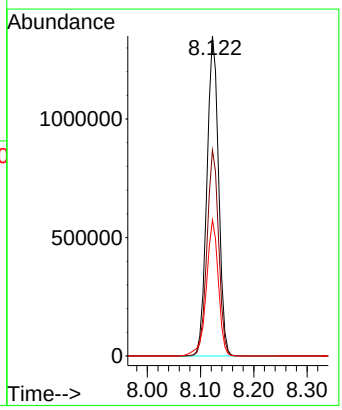


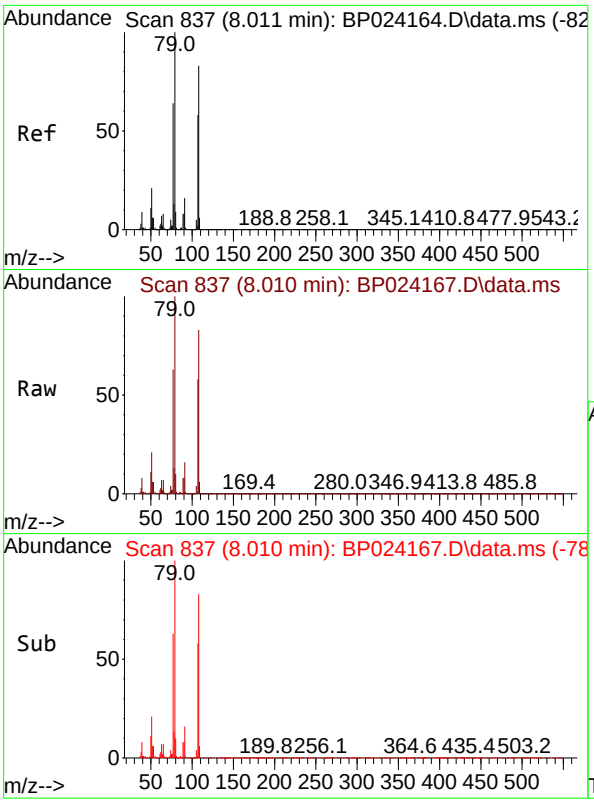


#14
1,2-Dichlorobenzene
Concen: 78.042 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



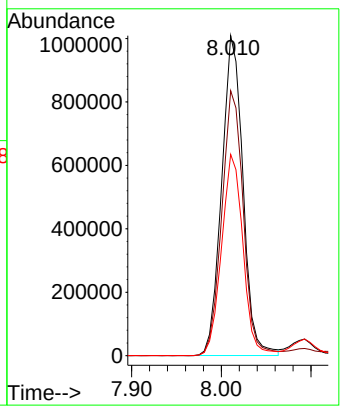


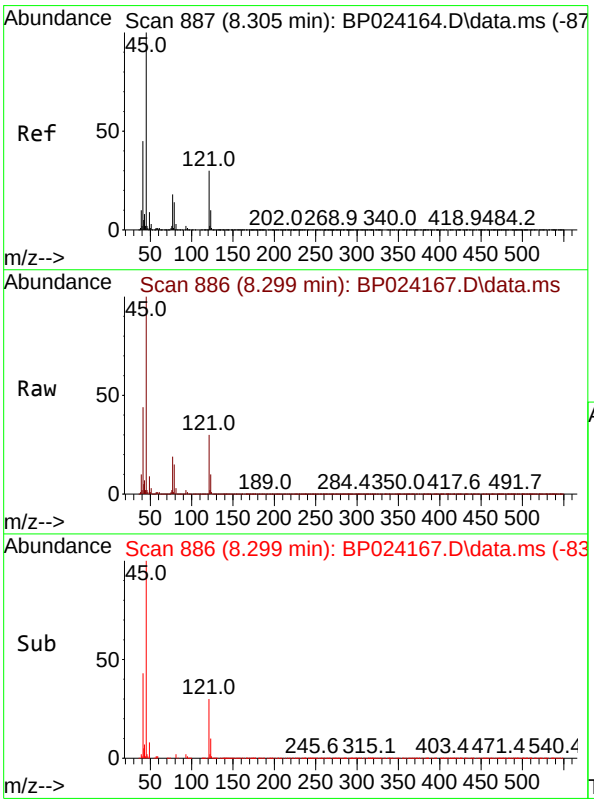
#15
Benzyl Alcohol
Concen: 90.370 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

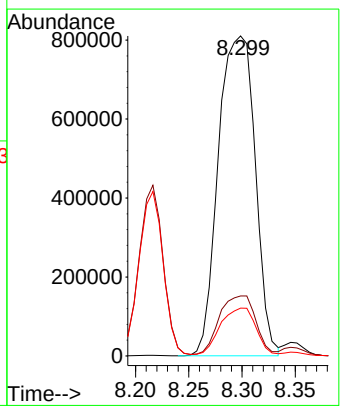


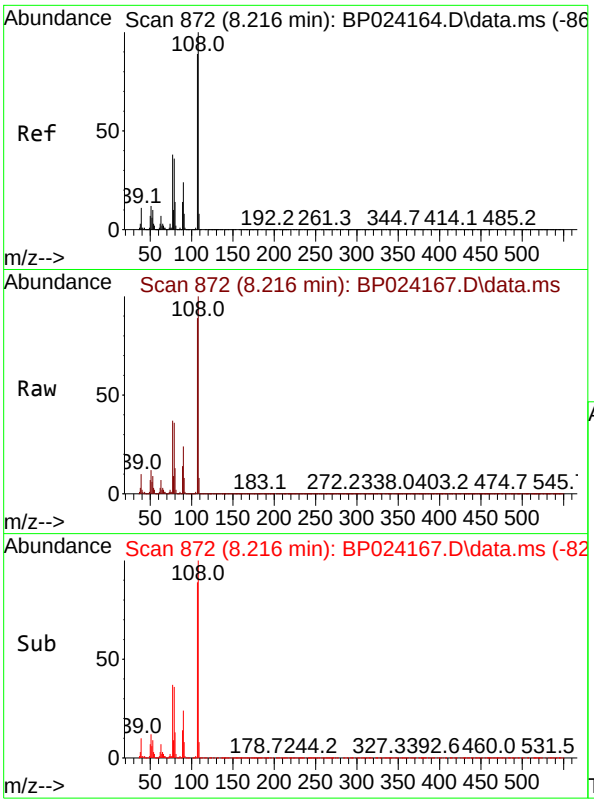


#16
2,2'-oxybis(1-Chloropropane)
Concen: 84.398 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



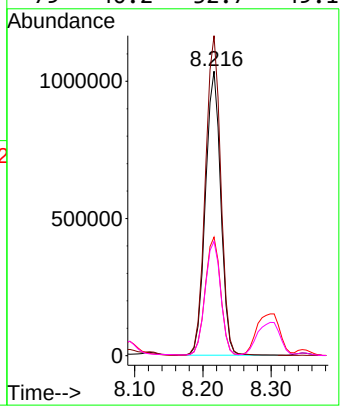


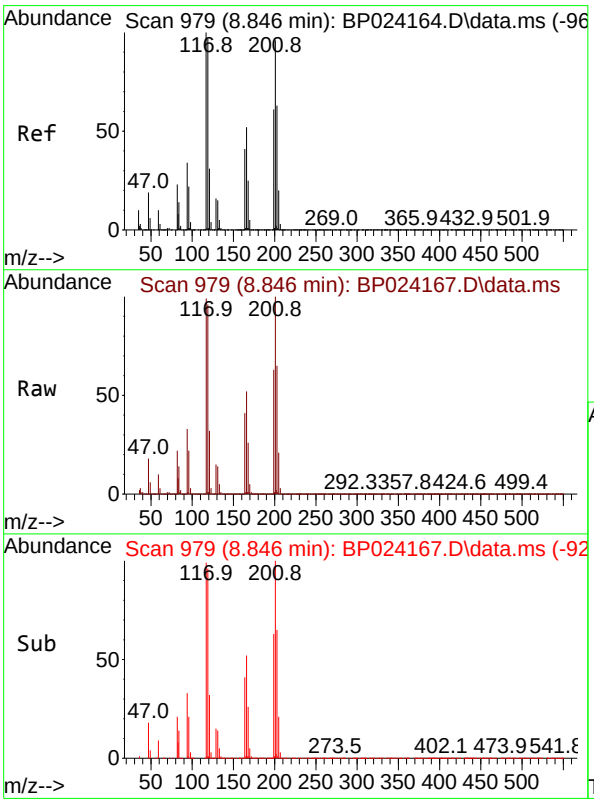
#17
2-Methylphenol
Concen: 87.877 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

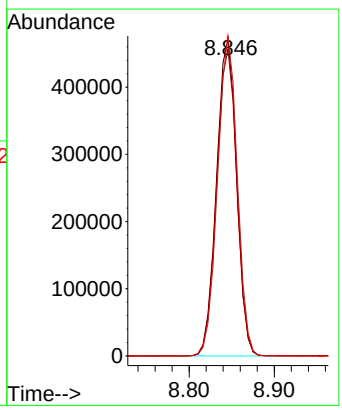


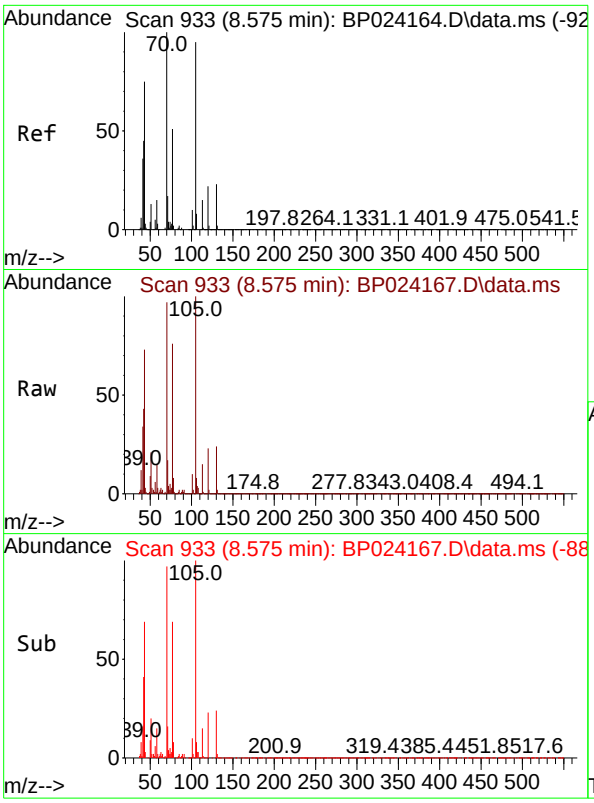


#18
Hexachloroethane
Concen: 78.037 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



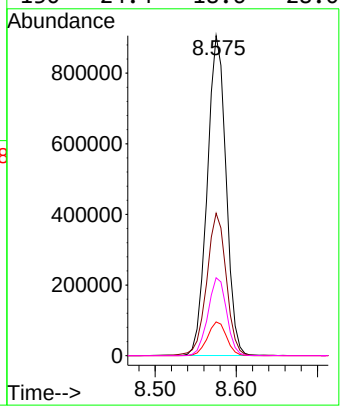


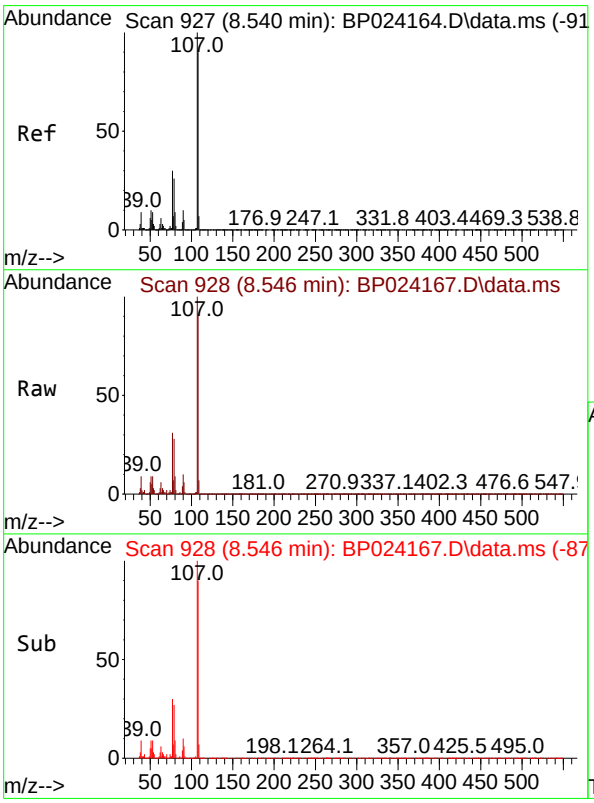
#19
n-Nitroso-di-n-propylamine
Concen: 90.027 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

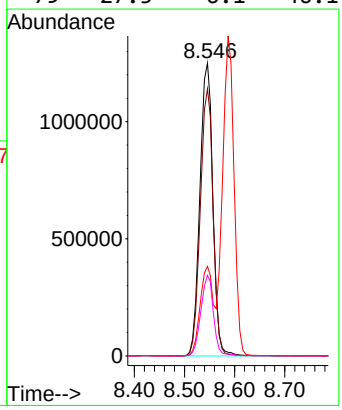


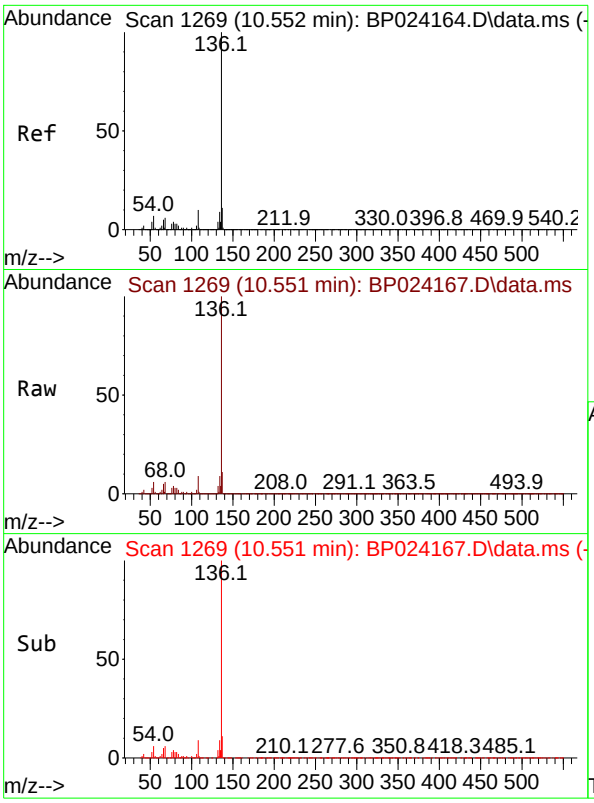


#20
3+4-Methylphenols
Concen: 89.384 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



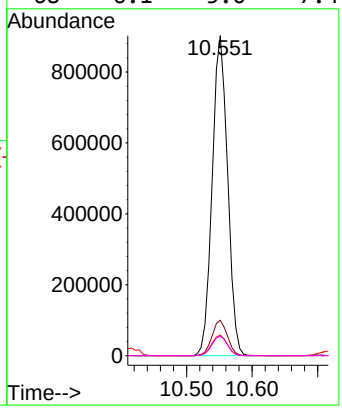


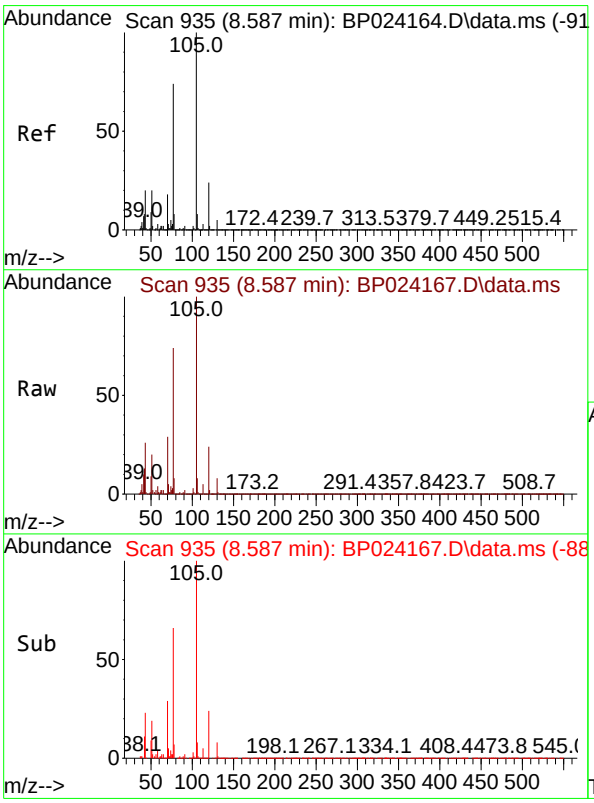
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

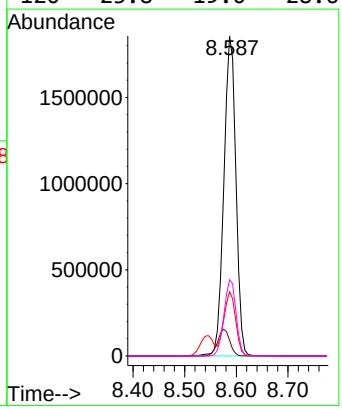


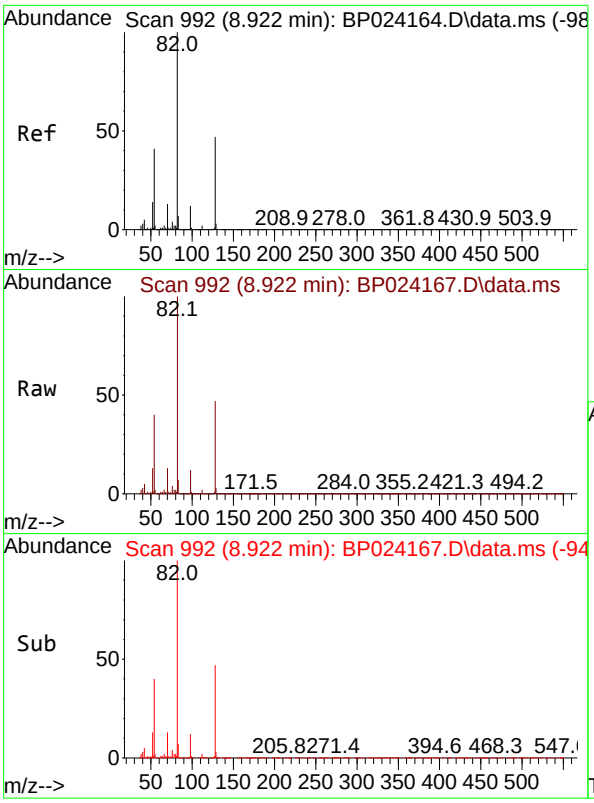


#22
Acetophenone
Concen: 79.697 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



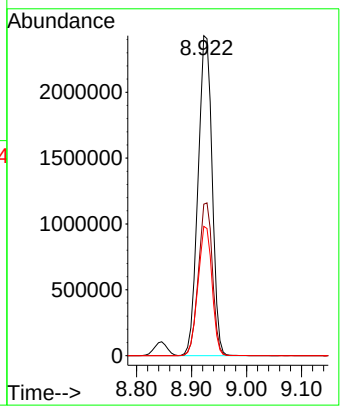


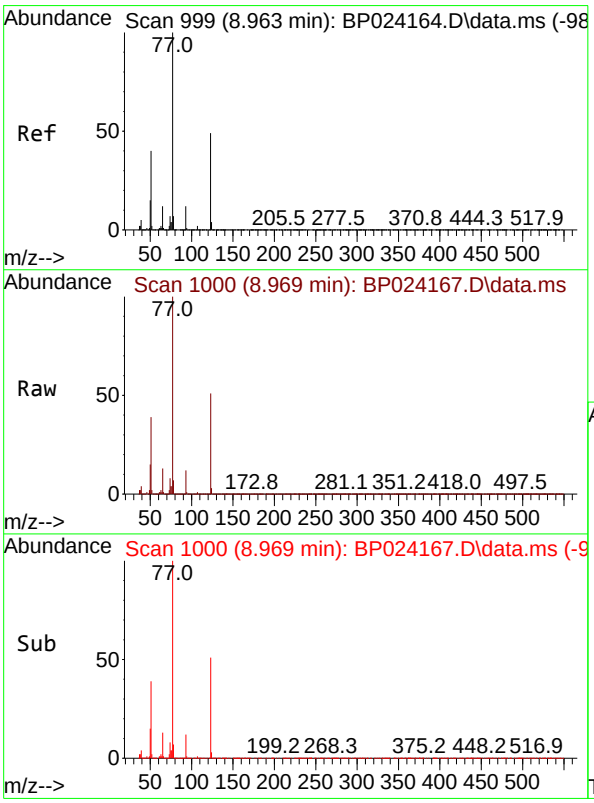
#23
Nitrobenzene-d5
Concen: 163.878 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

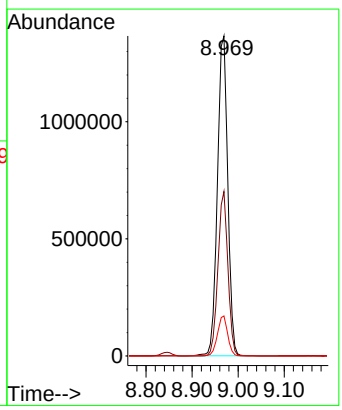


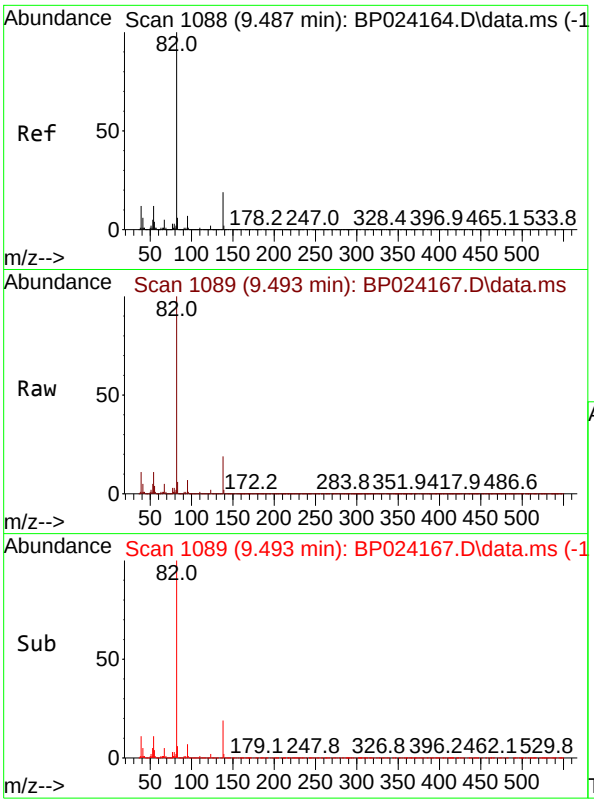


#24
Nitrobenzene
Concen: 81.768 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



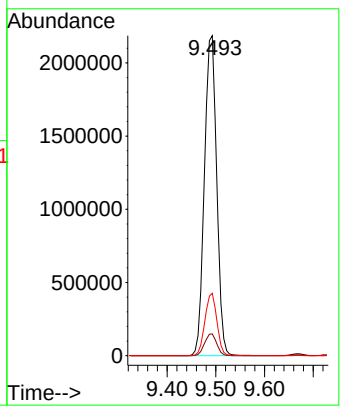


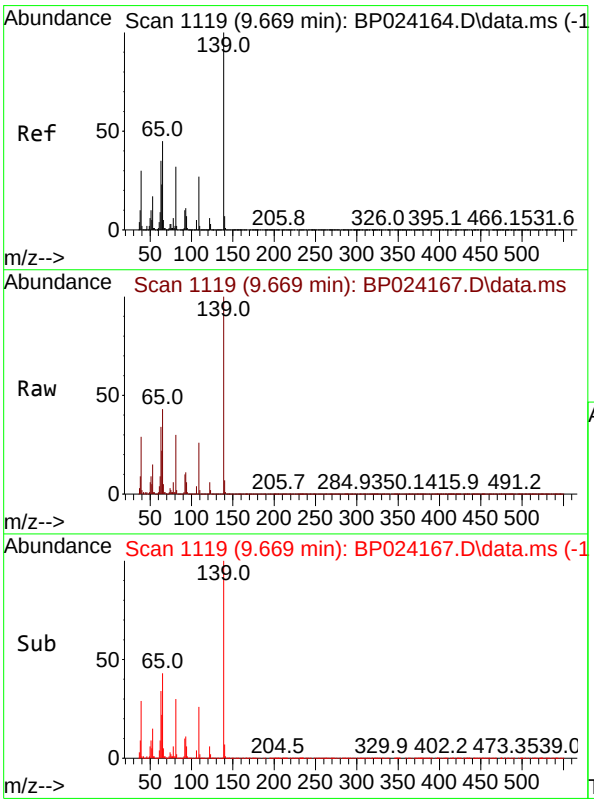
#25
Isophorone
Concen: 88.570 ng
RT: 9.493 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

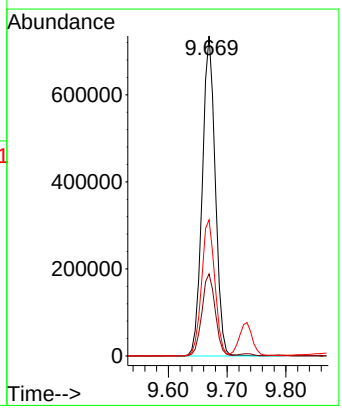


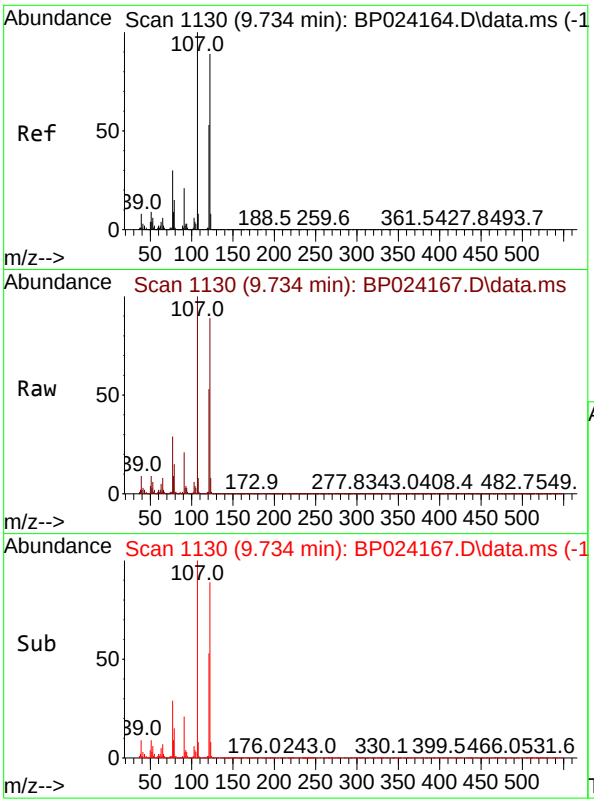


#26
2-Nitrophenol
Concen: 94.646 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



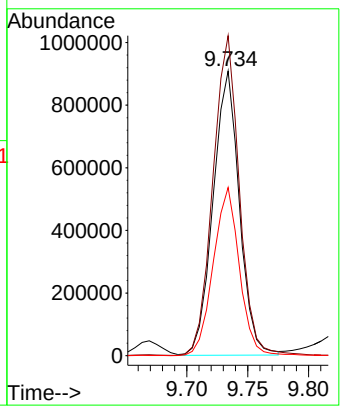


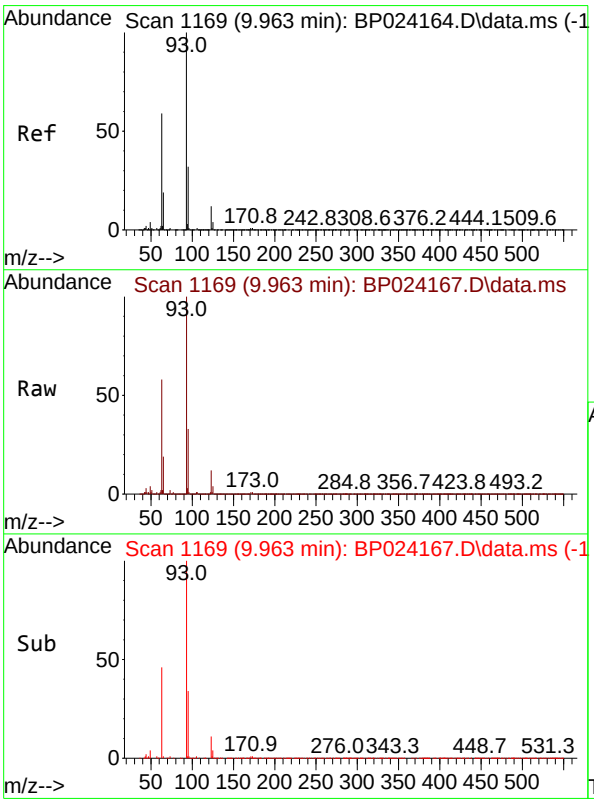
#27
2,4-Dimethylphenol
Concen: 86.904 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

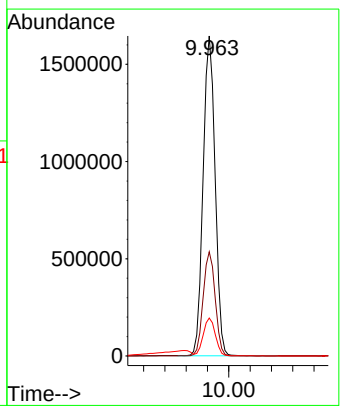


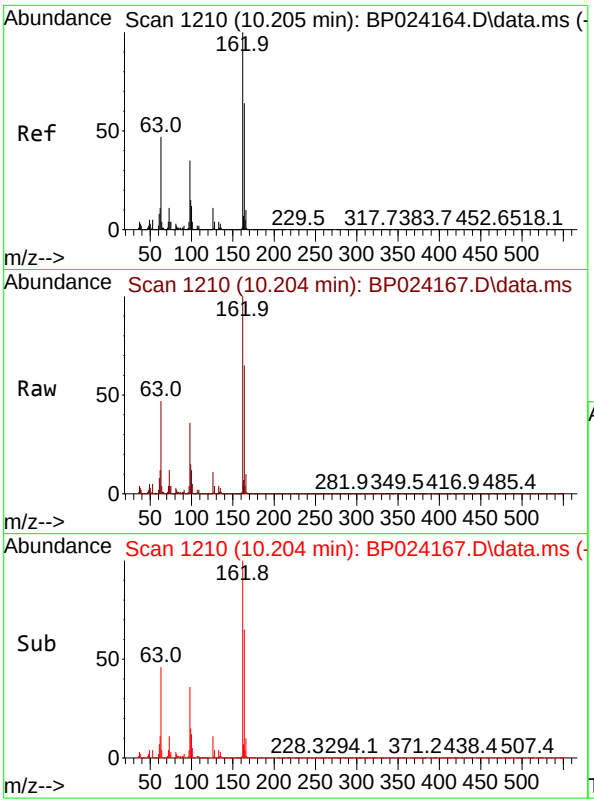


#28
bis(2-Chloroethoxy)methane
Concen: 82.625 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



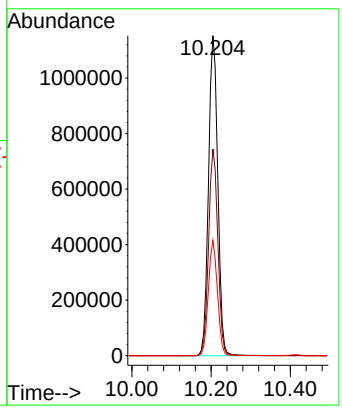


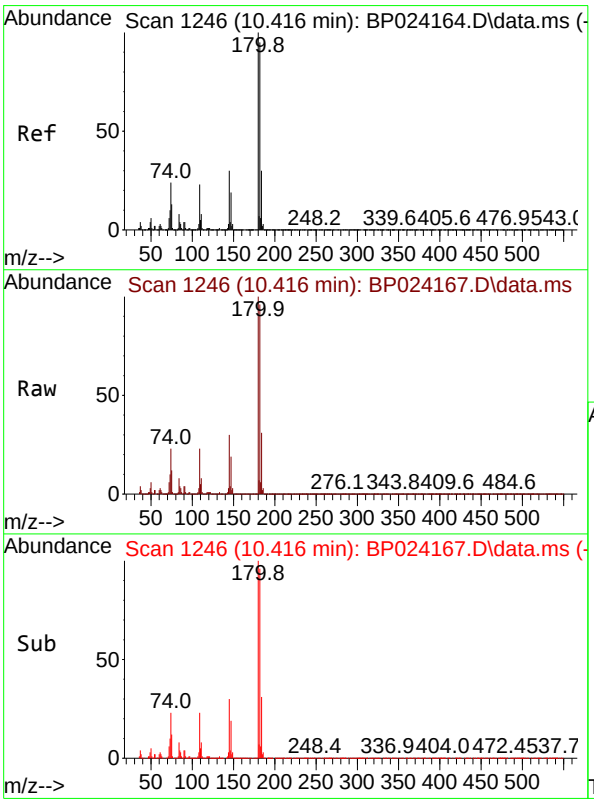
#29
2,4-Dichlorophenol
Concen: 87.724 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

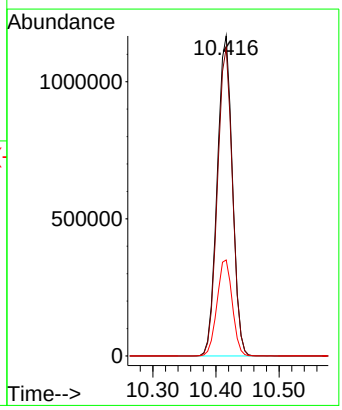


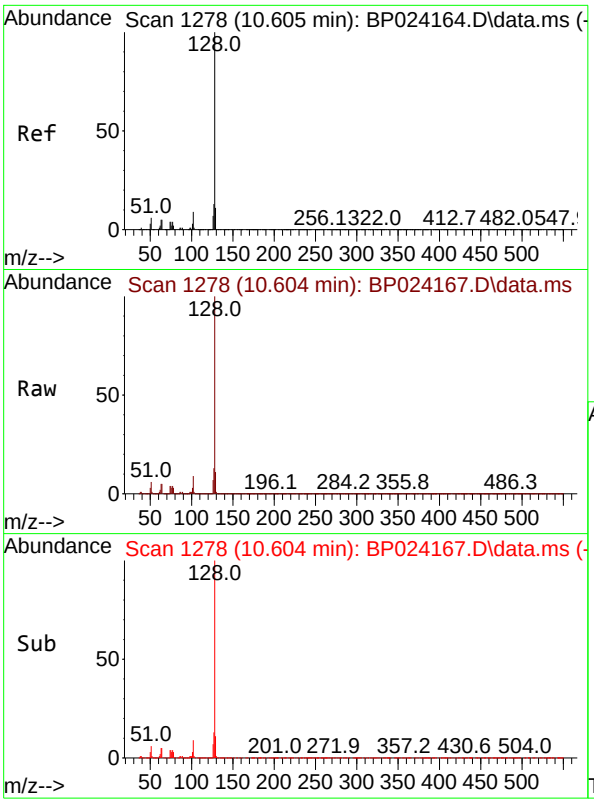


#30
1,2,4-Trichlorobenzene
Concen: 79.431 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



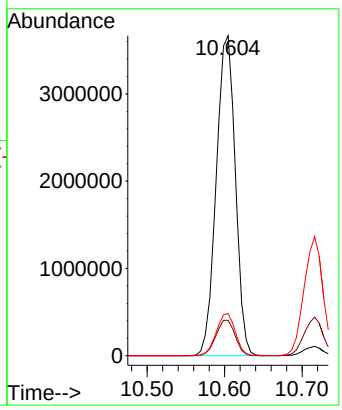


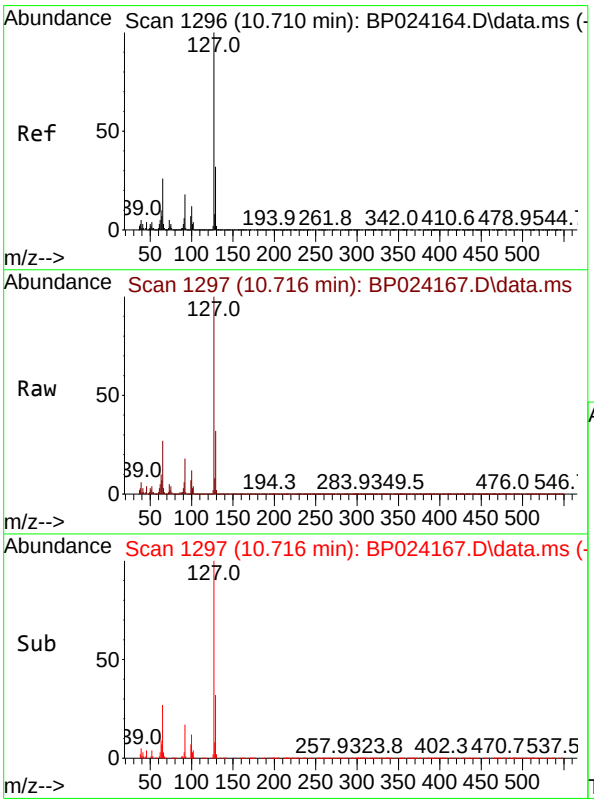
#31
Naphthalene
Concen: 79.507 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

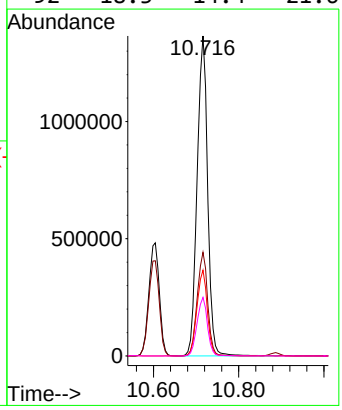


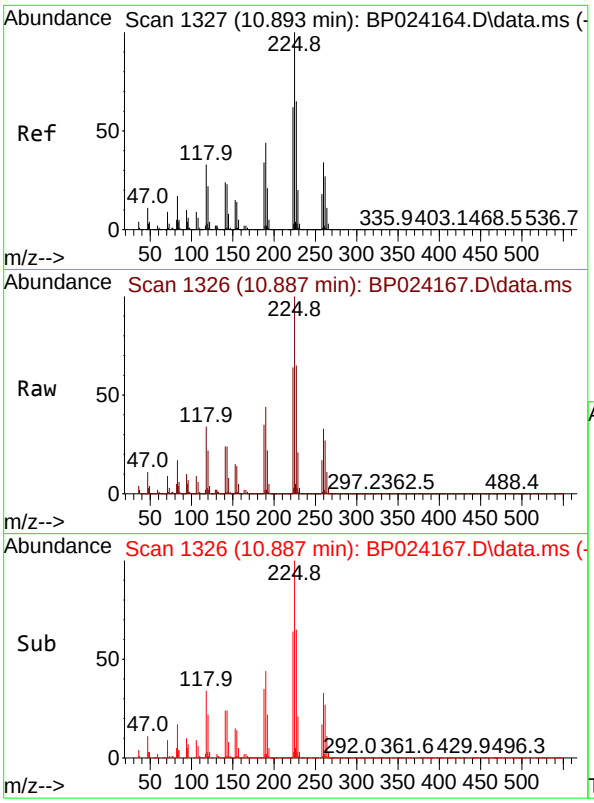


#33
4-Chloroaniline
Concen: 83.990 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



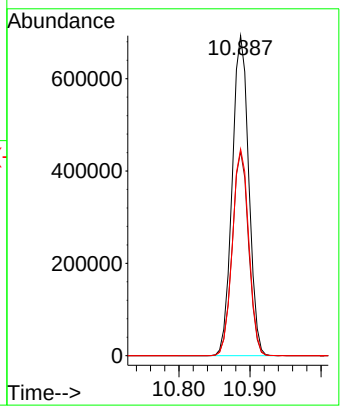


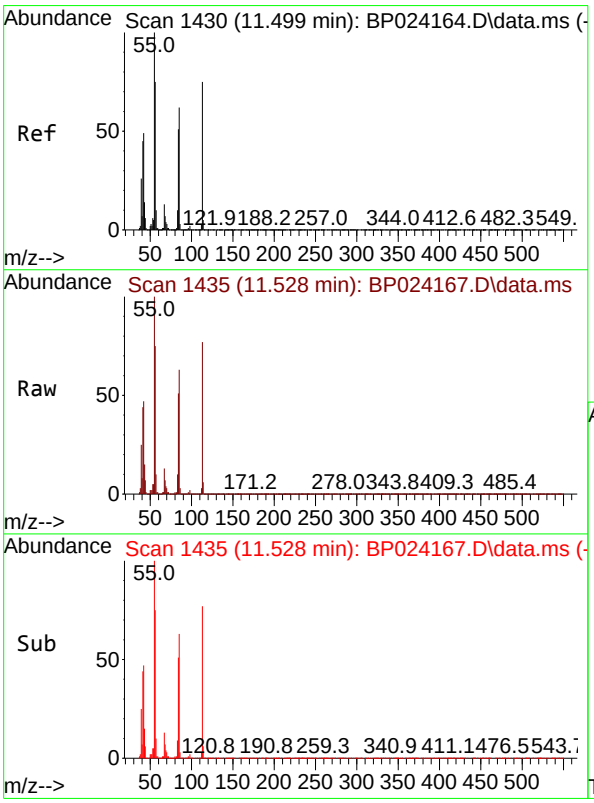
#34
Hexachlorobutadiene
Concen: 79.213 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

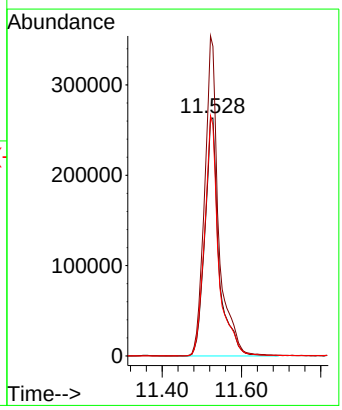


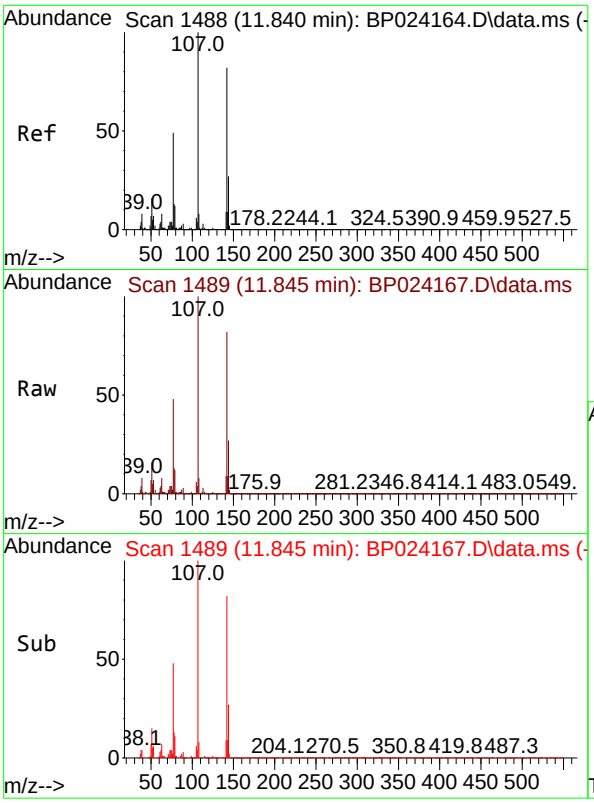


#35
Caprolactam
Concen: 101.156 ng
RT: 11.528 min Scan# 1435
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



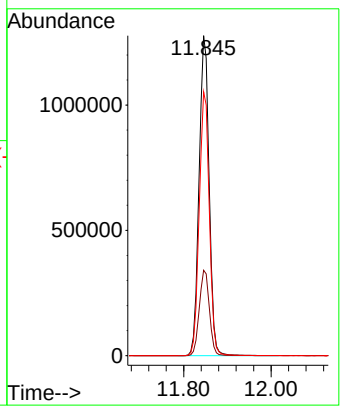


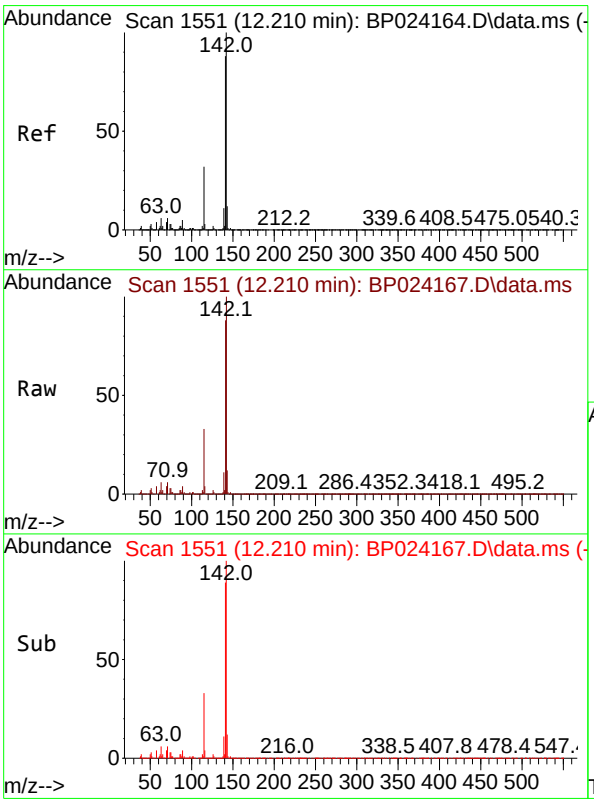
#36
4-Chloro-3-methylphenol
Concen: 92.924 ng
RT: 11.845 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

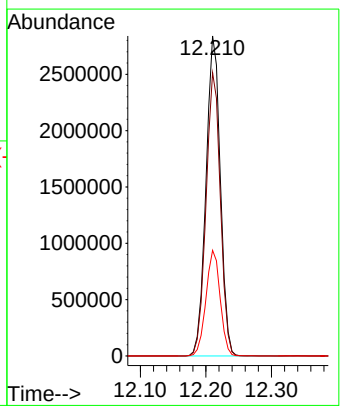


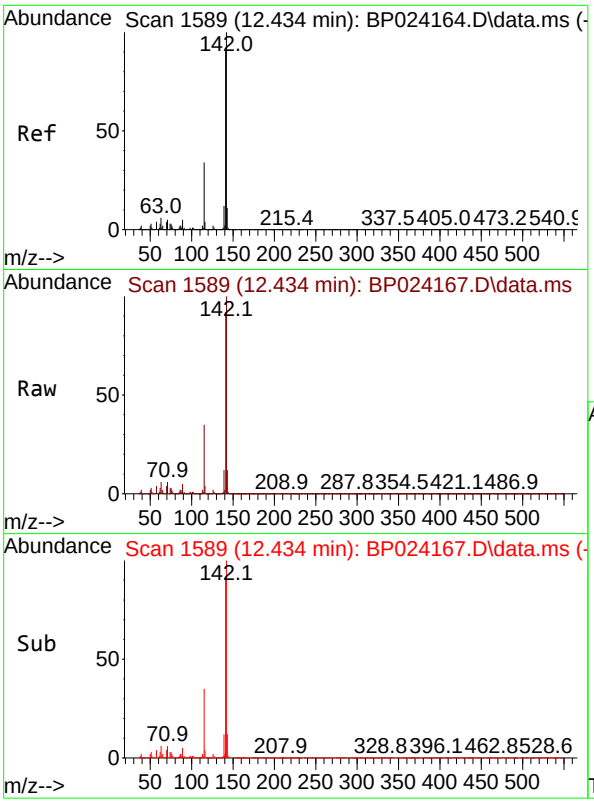


#37
2-Methylnaphthalene
Concen: 82.244 ng
RT: 12.210 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



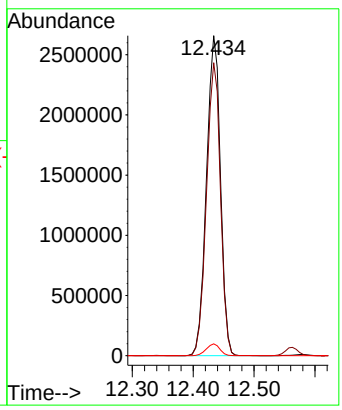


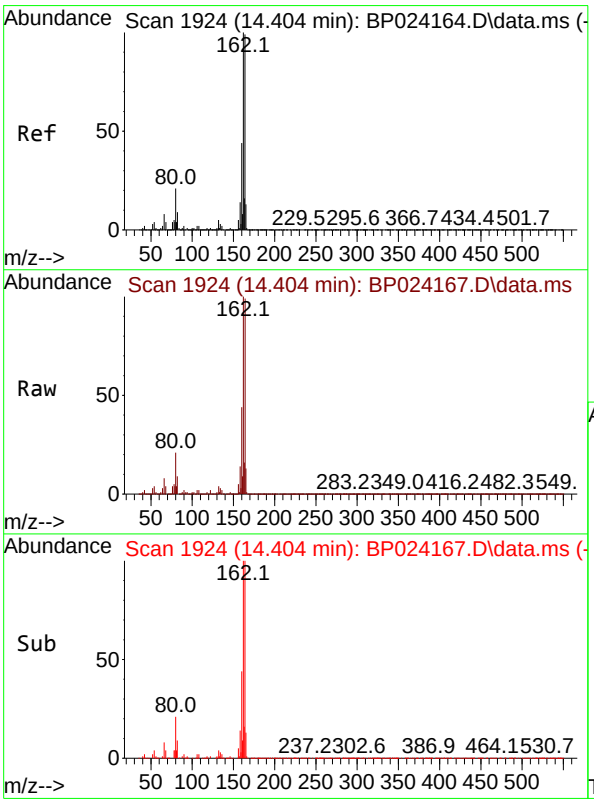
#38
1-Methylnaphthalene
Concen: 82.791 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

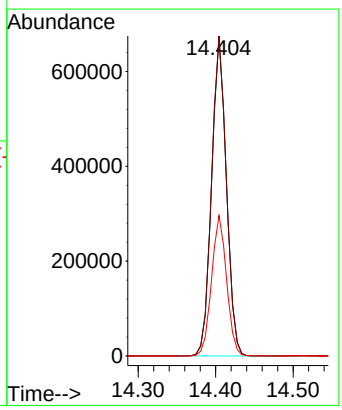


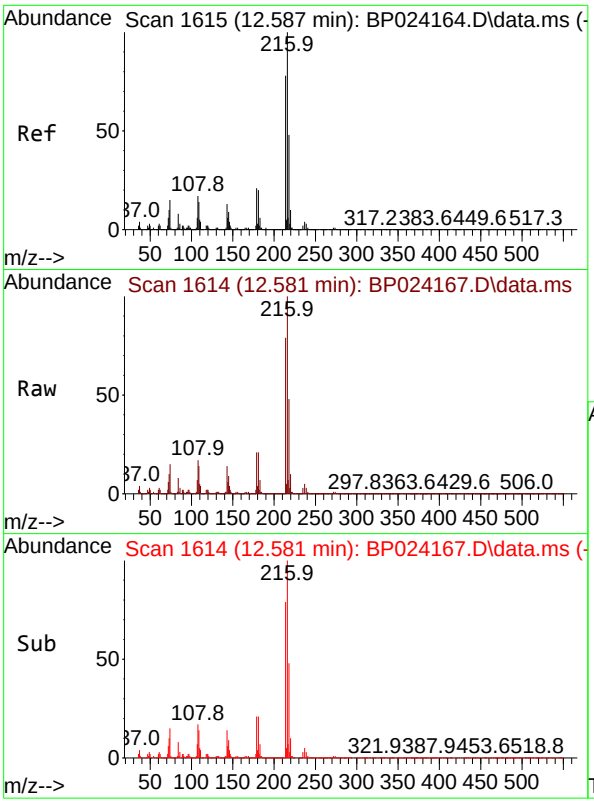


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



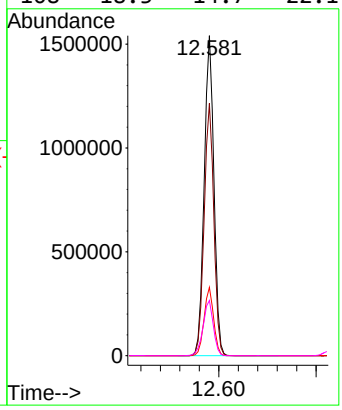


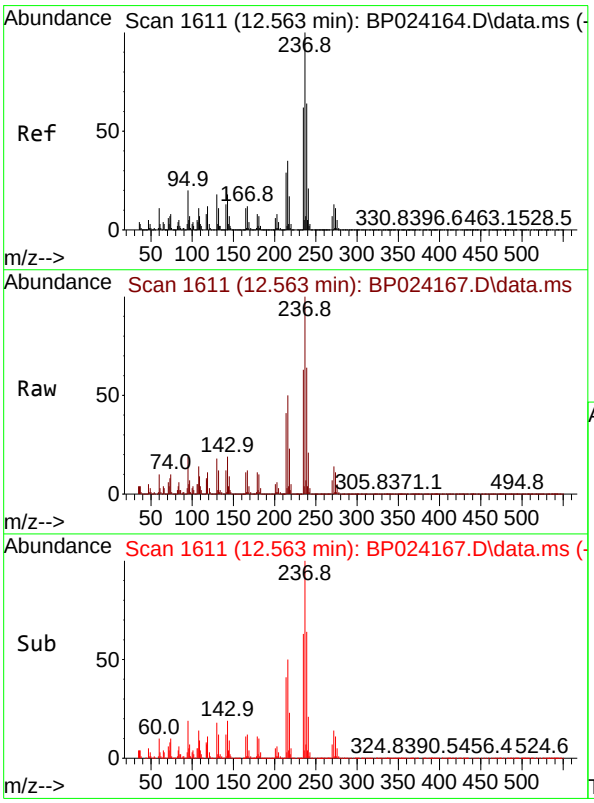
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.644 ng
RT: 12.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

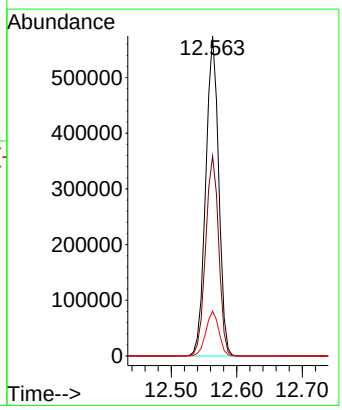


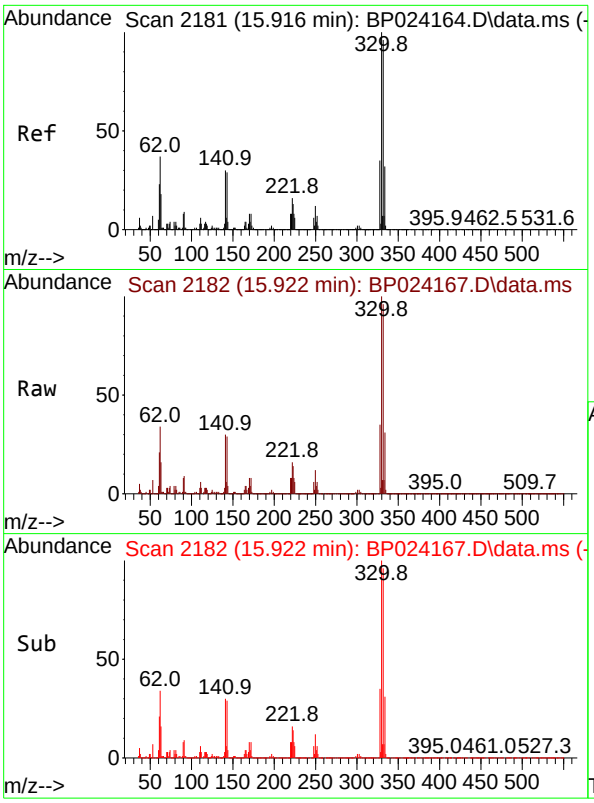


#41
Hexachlorocyclopentadiene
Concen: 77.633 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



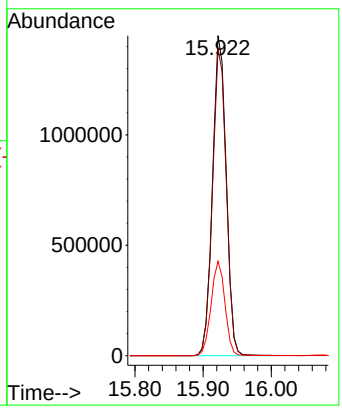


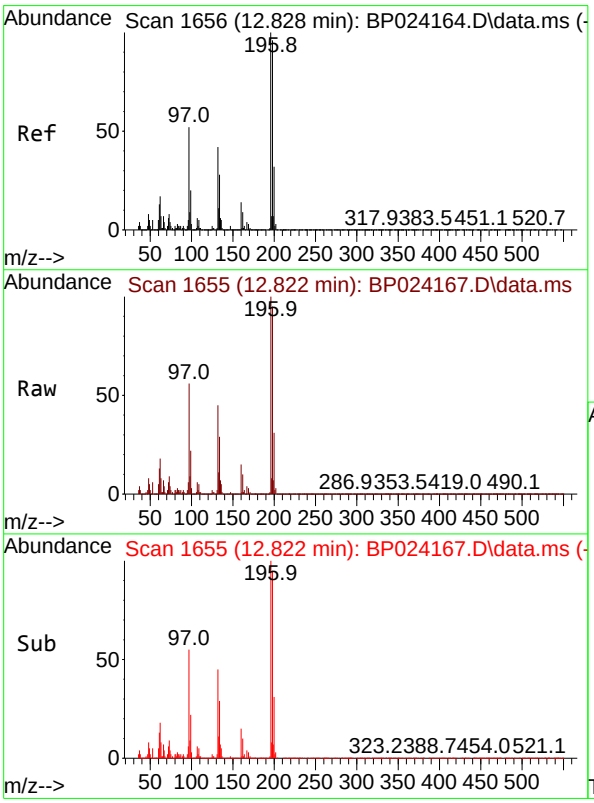
#42
2,4,6-Tribromophenol
Concen: 186.035 ng
RT: 15.922 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

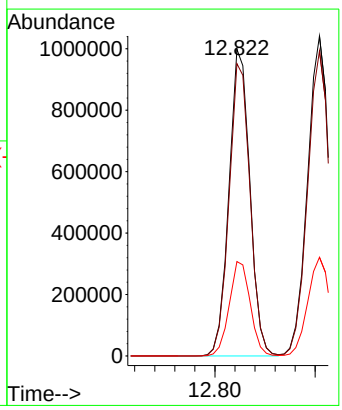


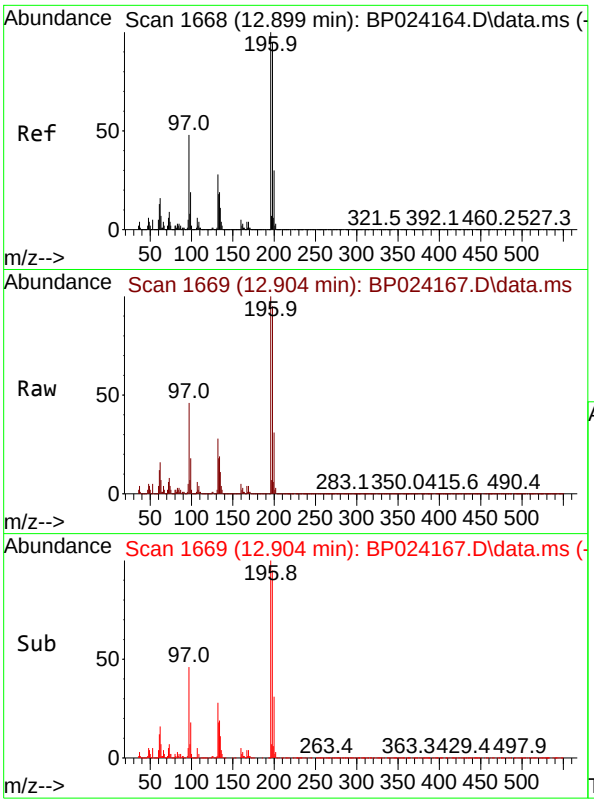


#43
2,4,6-Trichlorophenol
Concen: 86.697 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



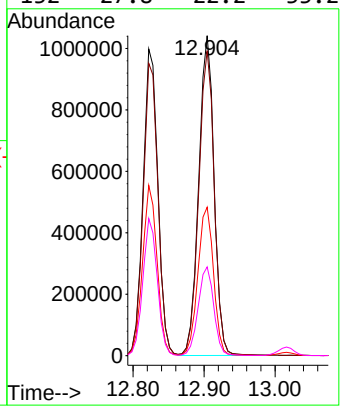


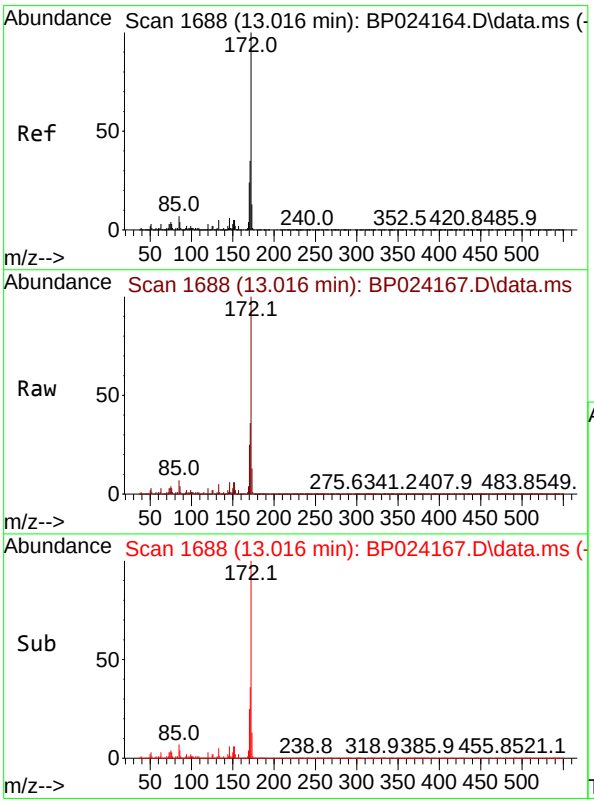
#44
2,4,5-Trichlorophenol
Concen: 86.506 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

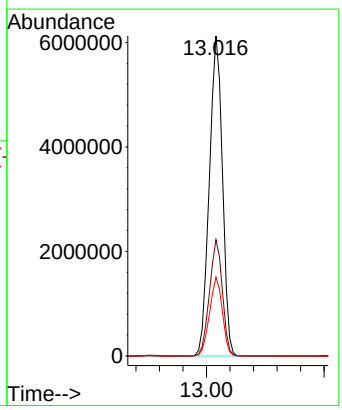


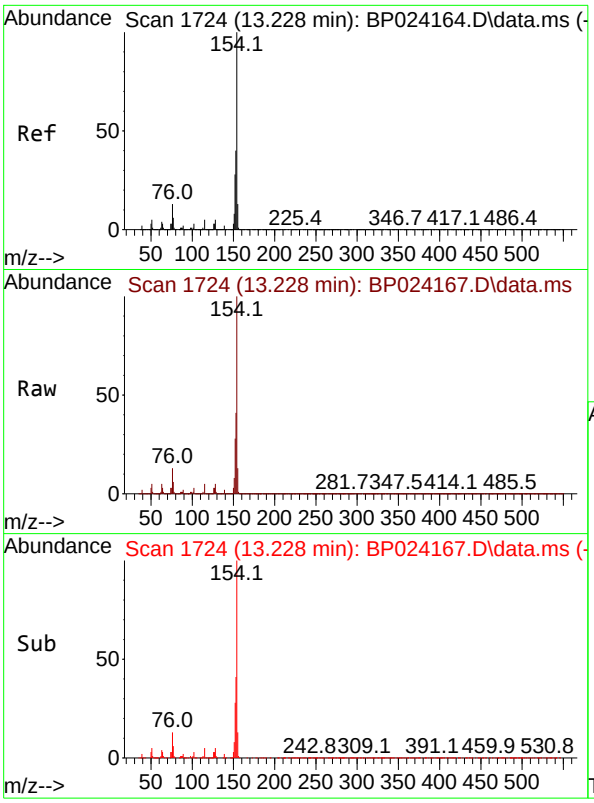


#45
2-Fluorobiphenyl
Concen: 148.993 ng
RT: 13.016 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



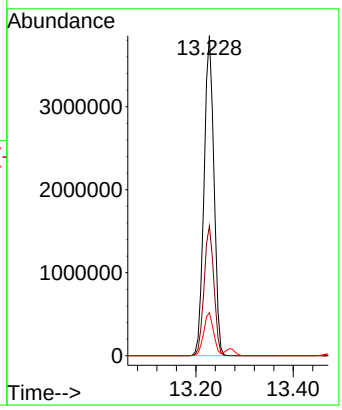


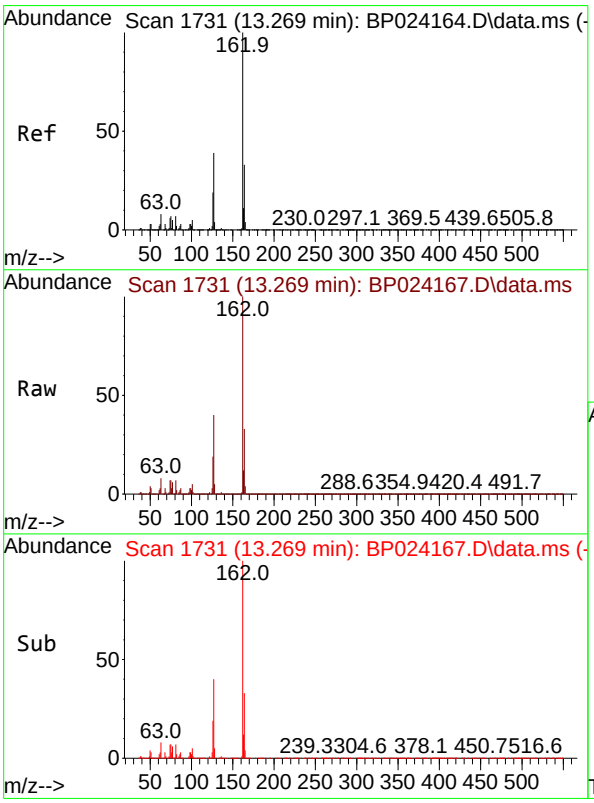
#46
1,1'-Biphenyl
Concen: 78.284 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

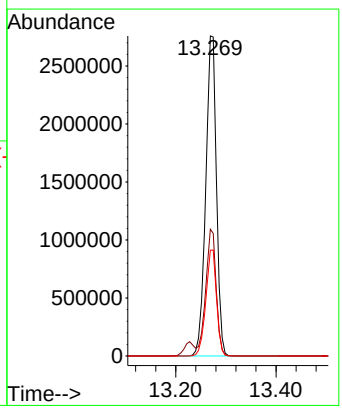


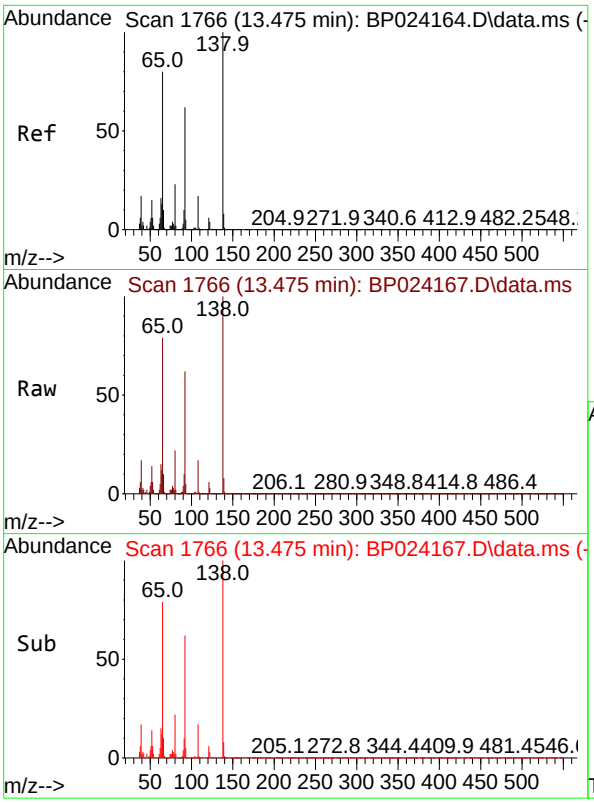


#47
2-Chloronaphthalene
Concen: 78.432 ng
RT: 13.269 min Scan# 1731
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



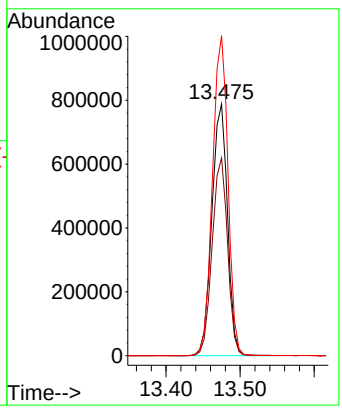


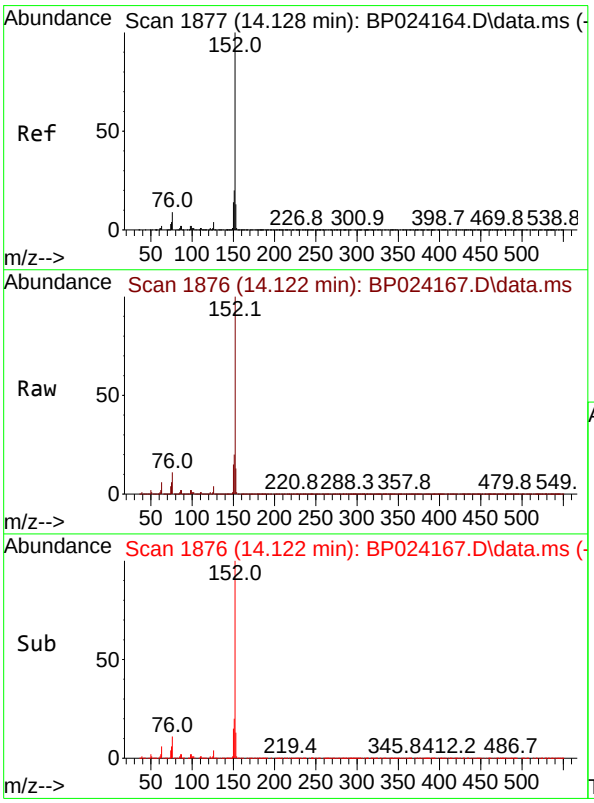
#48
2-Nitroaniline
Concen: 93.303 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

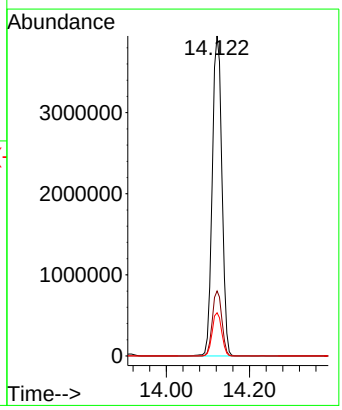


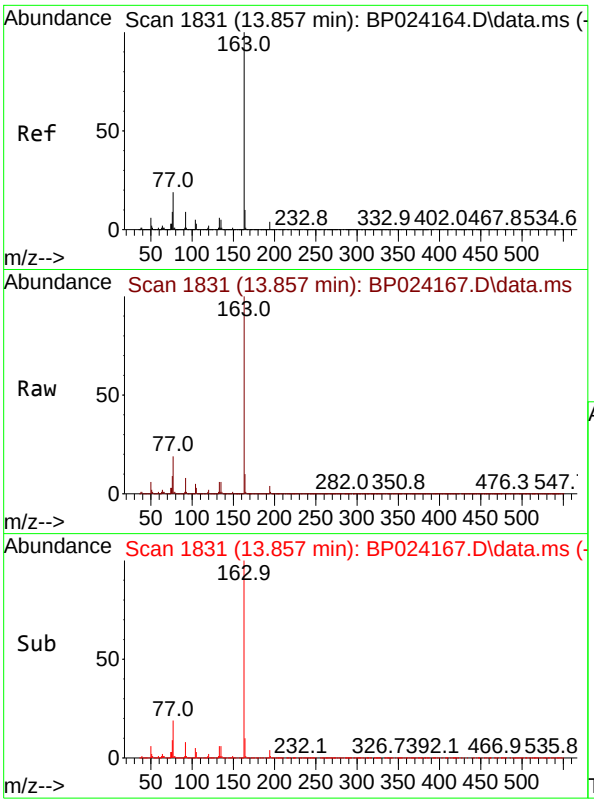


#49
Acenaphthylene
Concen: 82.473 ng
RT: 14.122 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



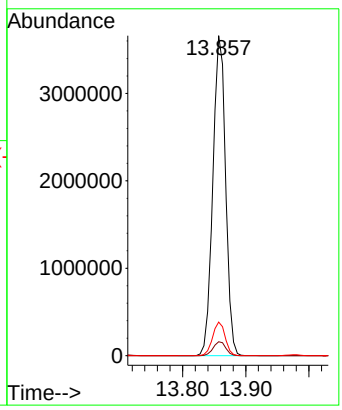


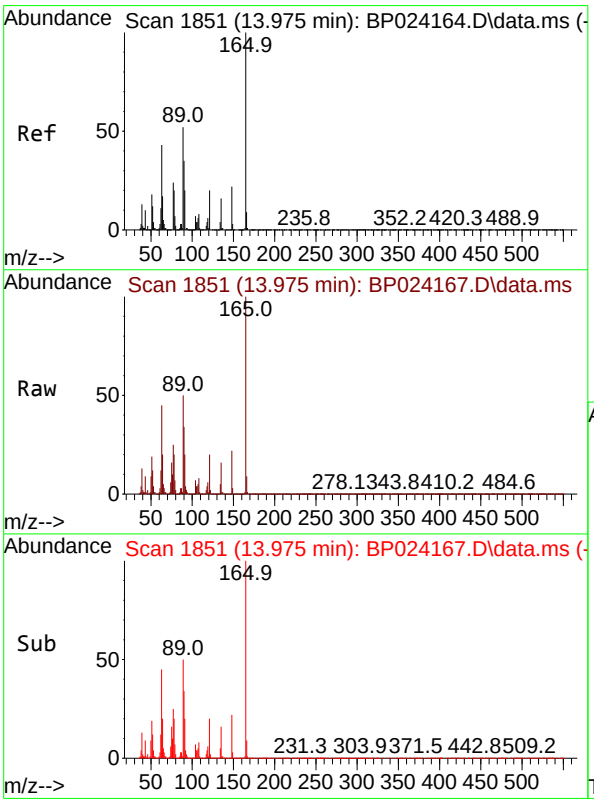
#50
Dimethylphthalate
Concen: 81.603 ng
RT: 13.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

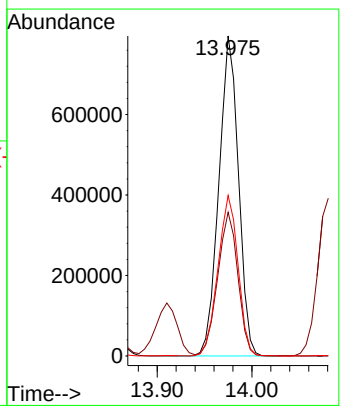


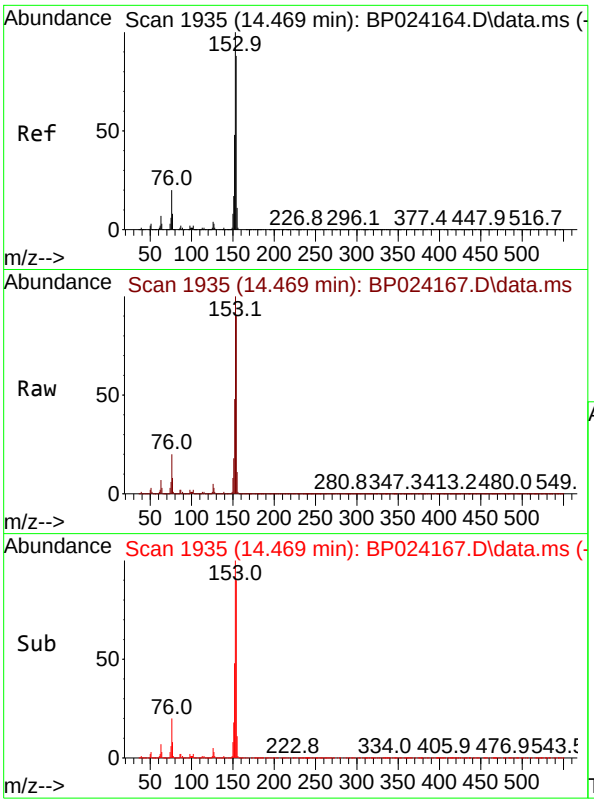


#51
2,6-Dinitrotoluene
Concen: 89.740 ng
RT: 13.975 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



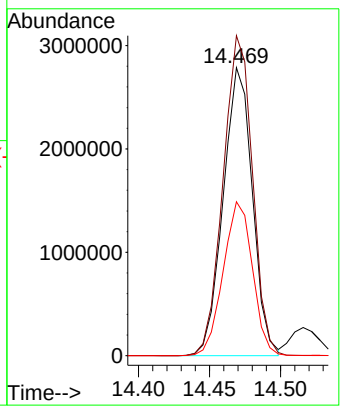


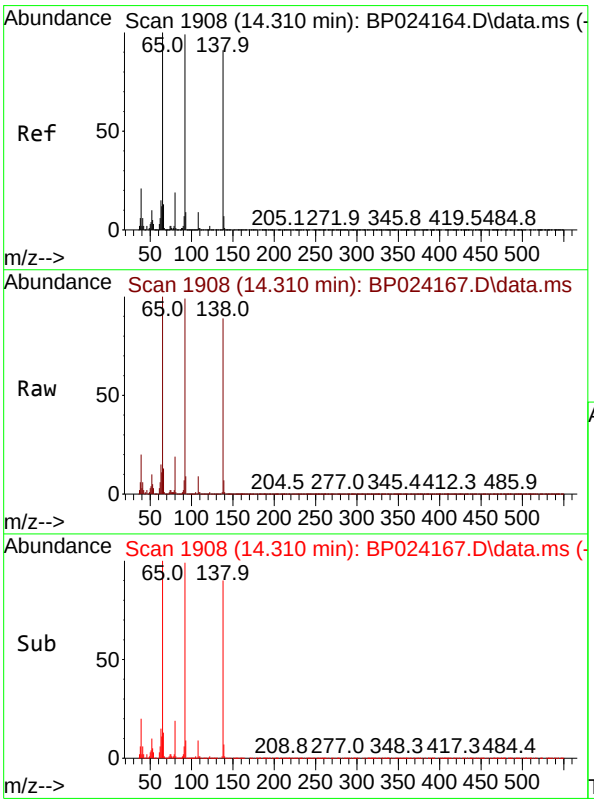
#52
Acenaphthene
Concen: 80.473 ng
RT: 14.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

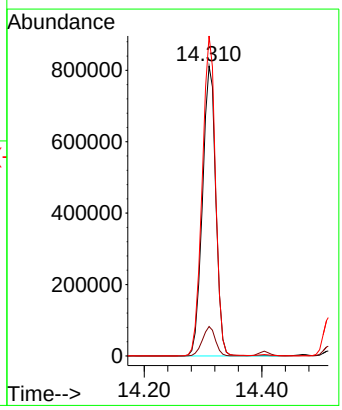


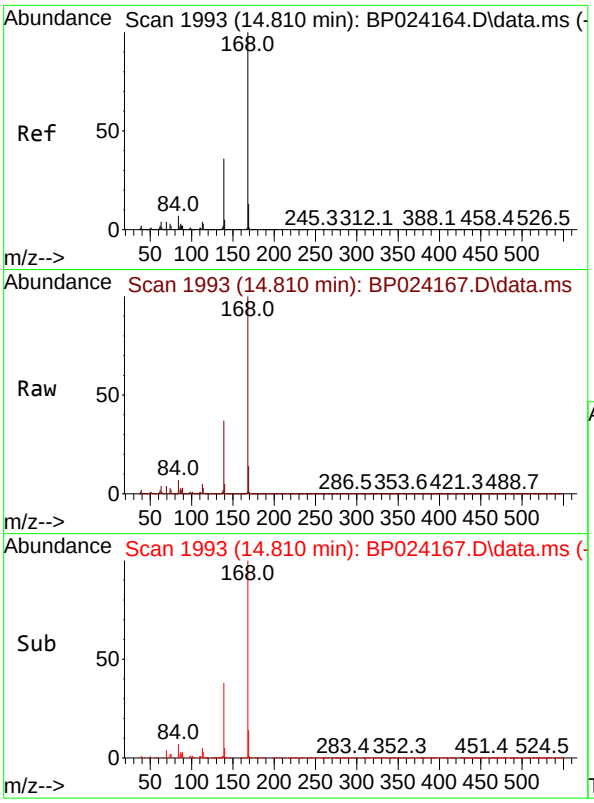


#53
3-Nitroaniline
Concen: 93.713 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



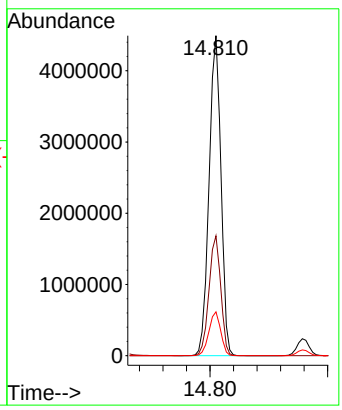


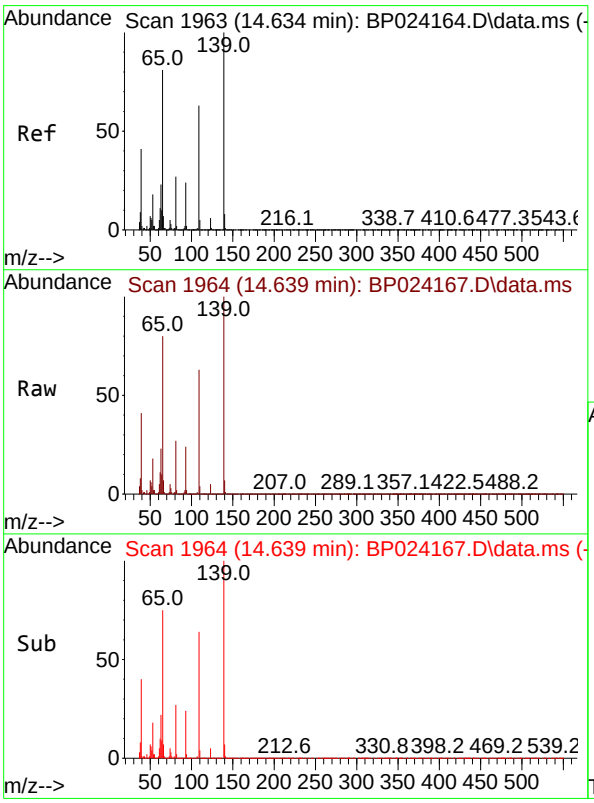
#55
Dibenzofuran
Concen: 78.144 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

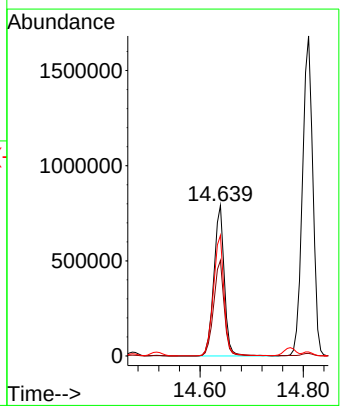


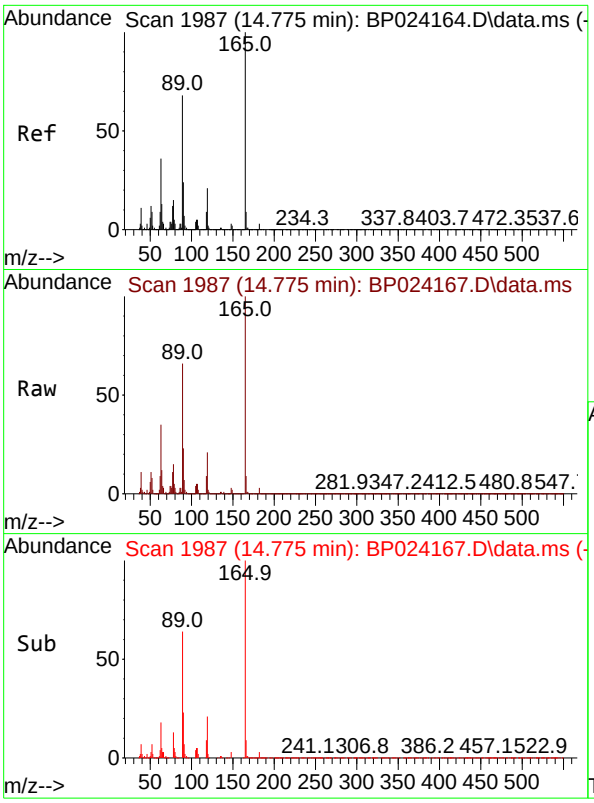


#56
4-Nitrophenol
Concen: 94.320 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



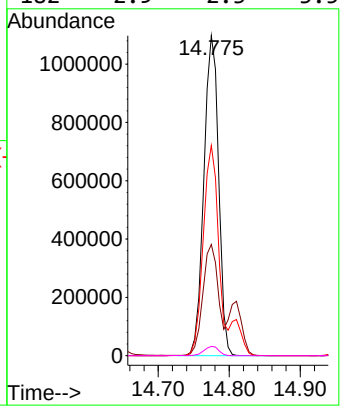


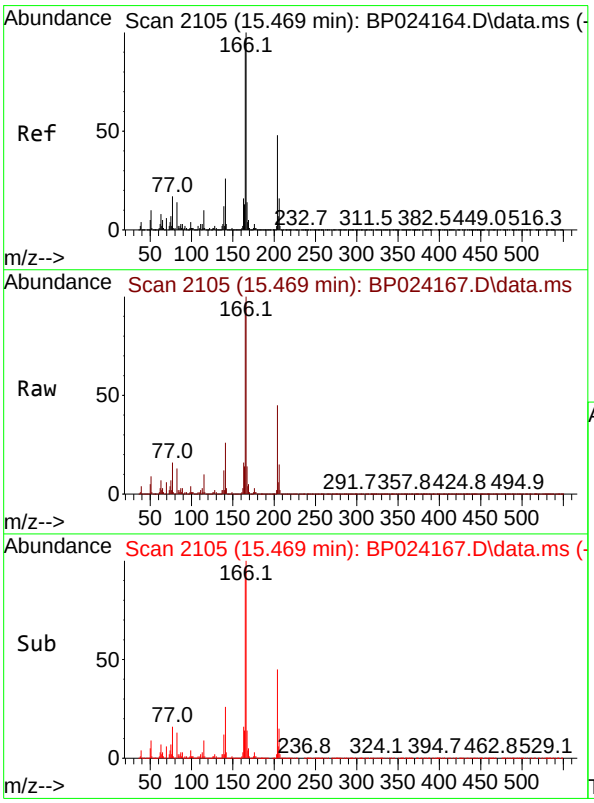
#57
2,4-Dinitrotoluene
Concen: 95.524 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

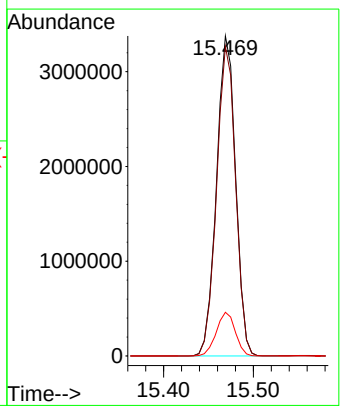


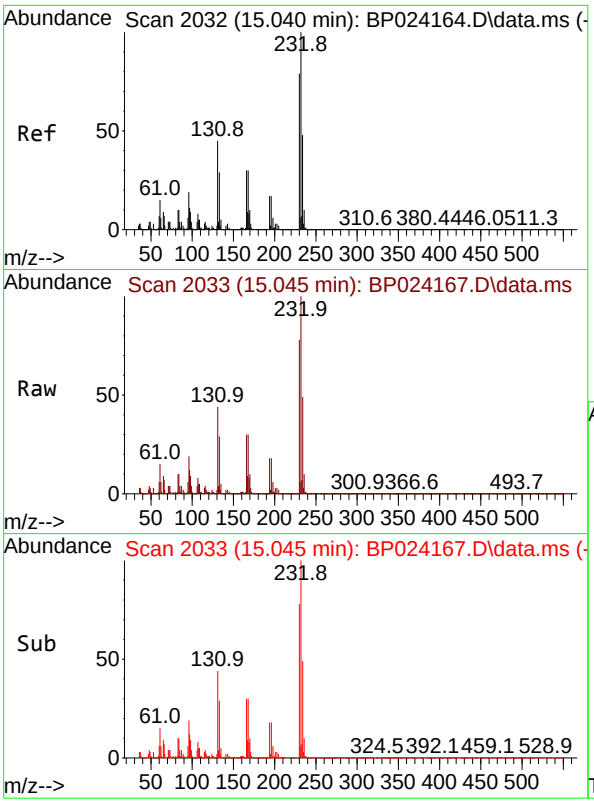


#58
Fluorene
Concen: 79.298 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



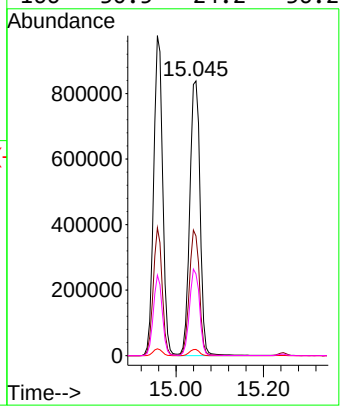


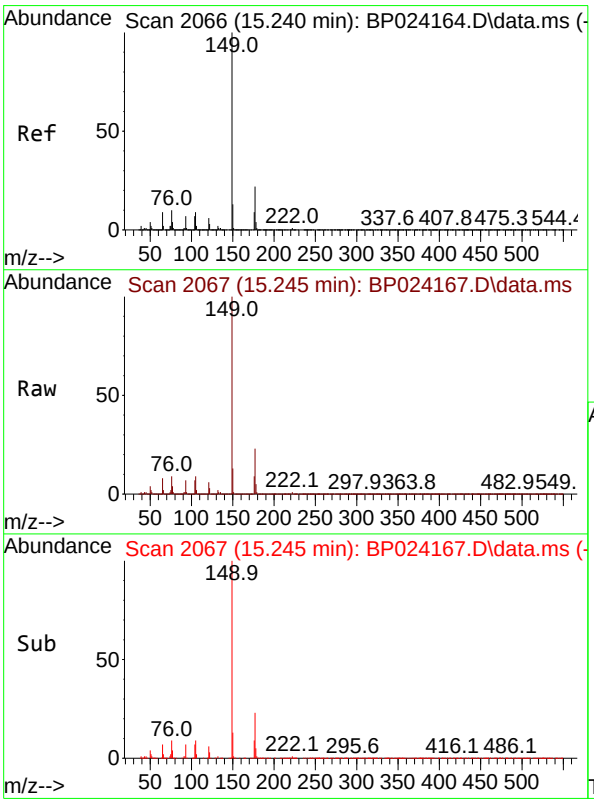
#59
2,3,4,6-Tetrachlorophenol
Concen: 86.797 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

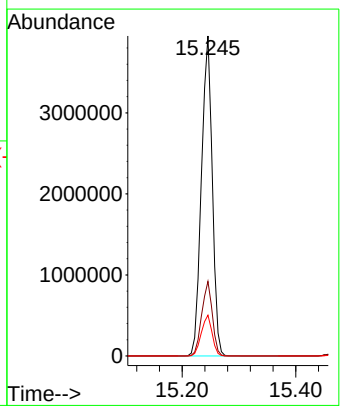


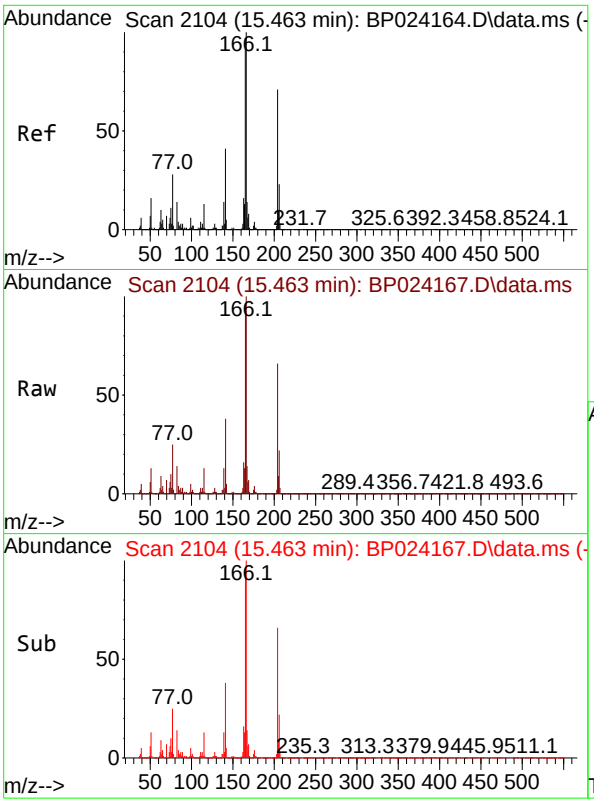


#60
Diethylphthalate
Concen: 83.898 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



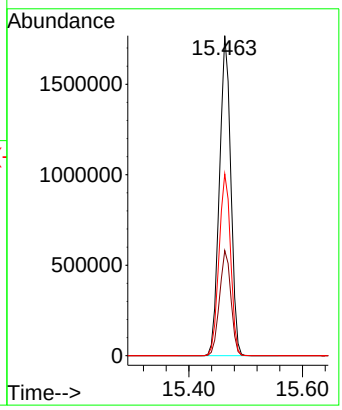


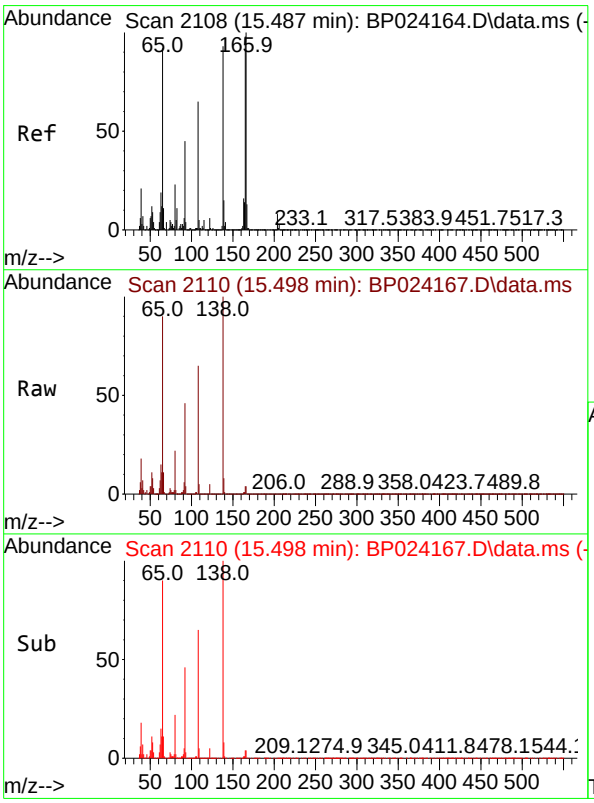
#61
4-Chlorophenyl-phenylether
Concen: 79.305 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

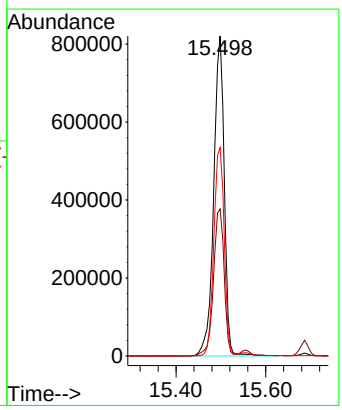


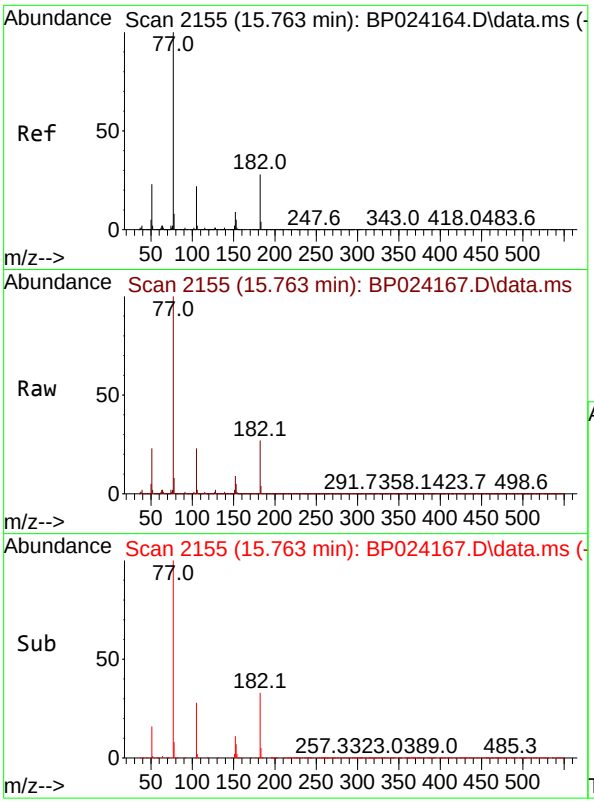


#62
4-Nitroaniline
Concen: 95.238 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



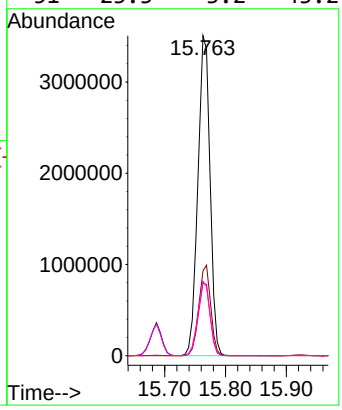


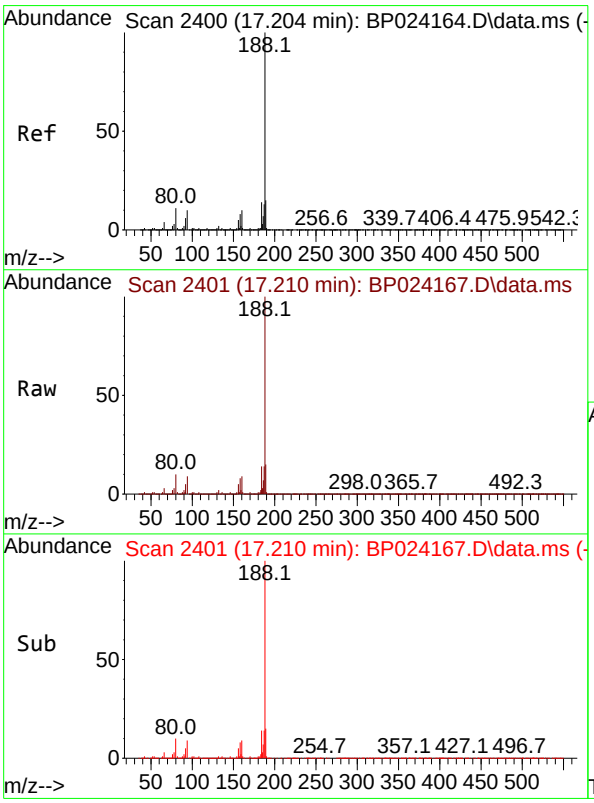
#63
Azobenzene
Concen: 83.196 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

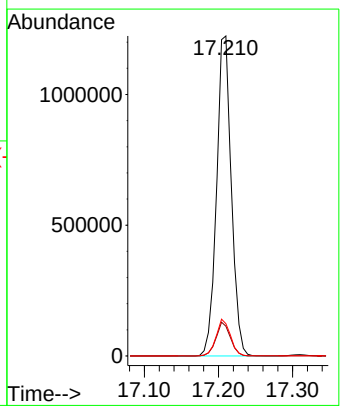


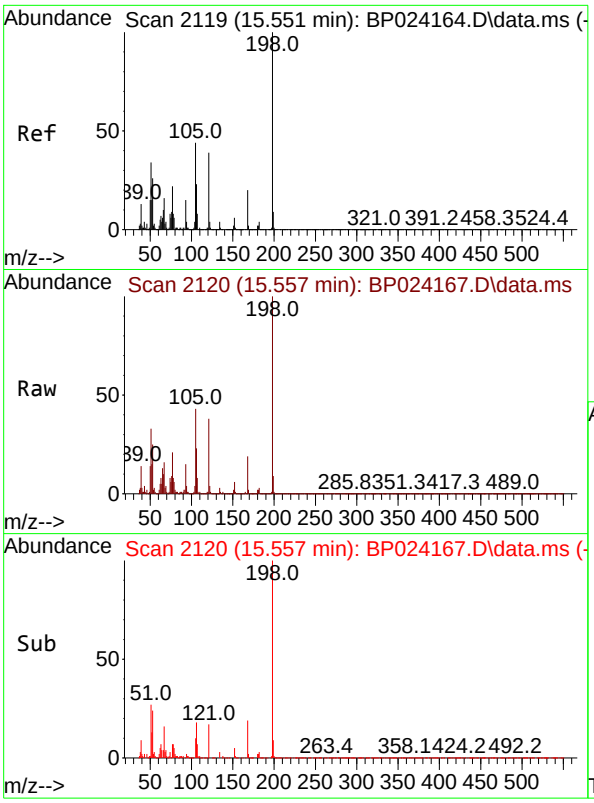


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



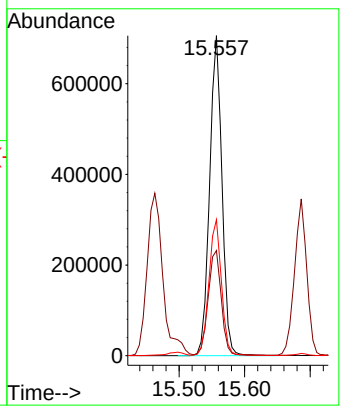


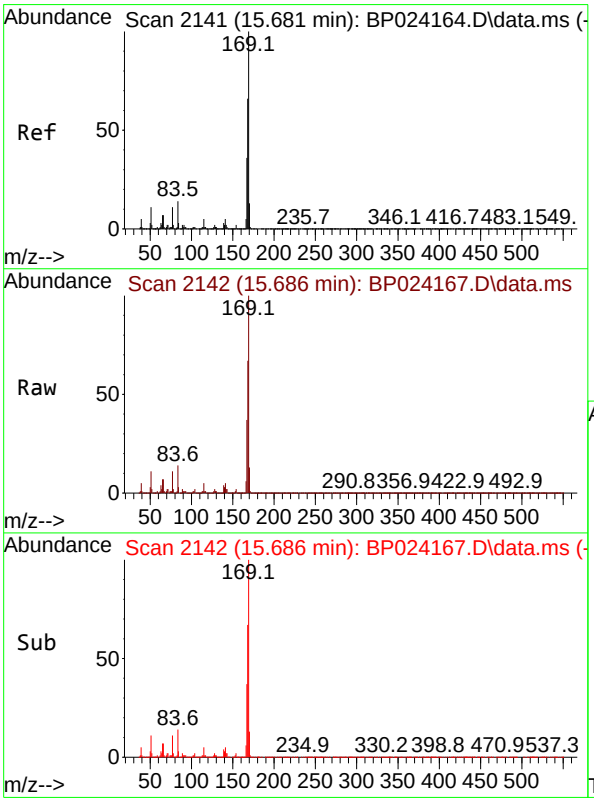
#65
4,6-Dinitro-2-methylphenol
Concen: 94.517 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

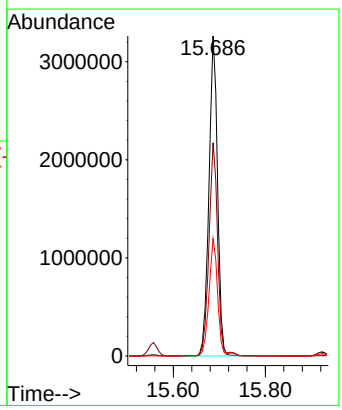


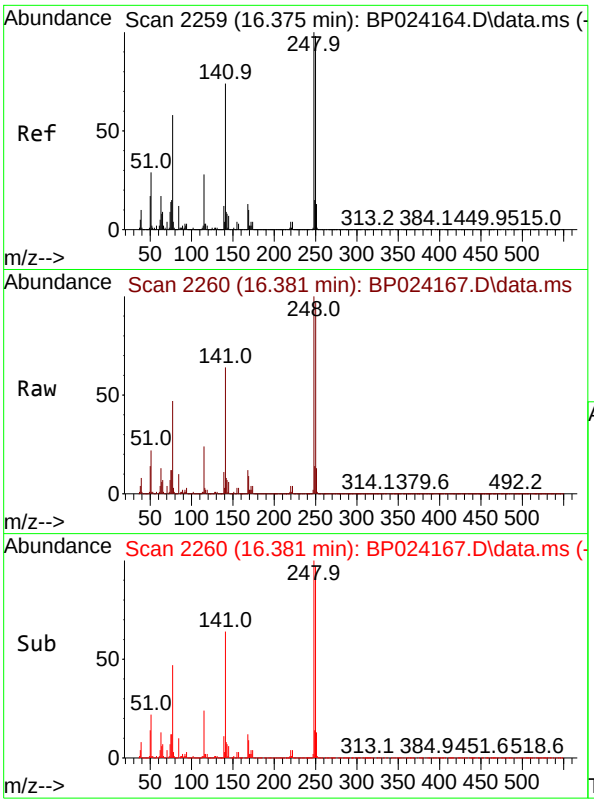


#66
n-Nitrosodiphenylamine
Concen: 80.285 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



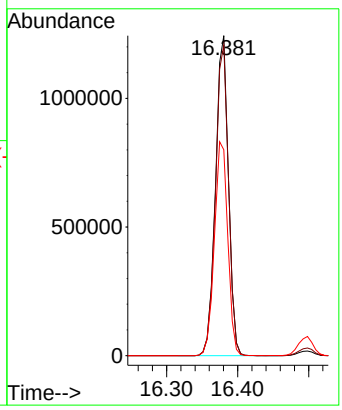


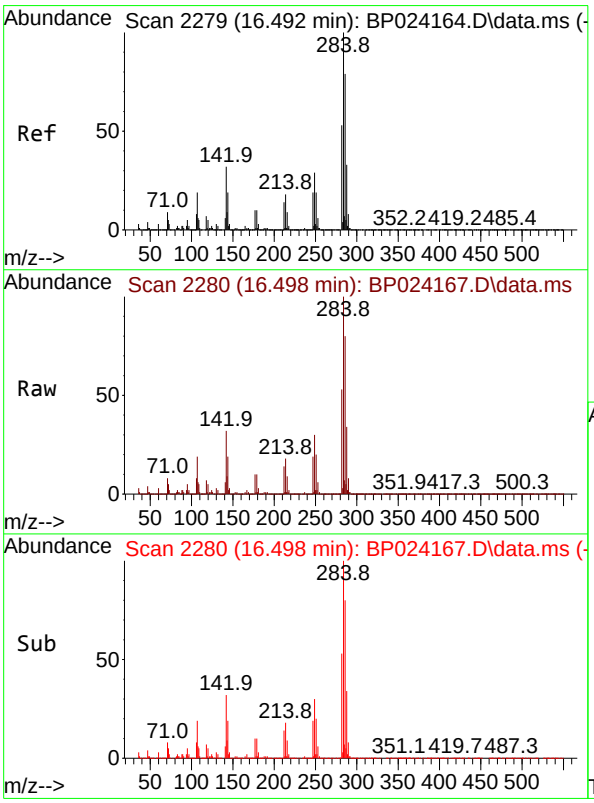
#67
4-Bromophenyl-phenylether
Concen: 82.455 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

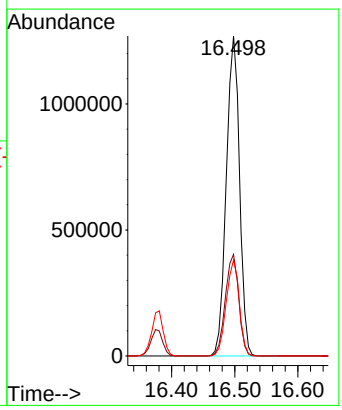


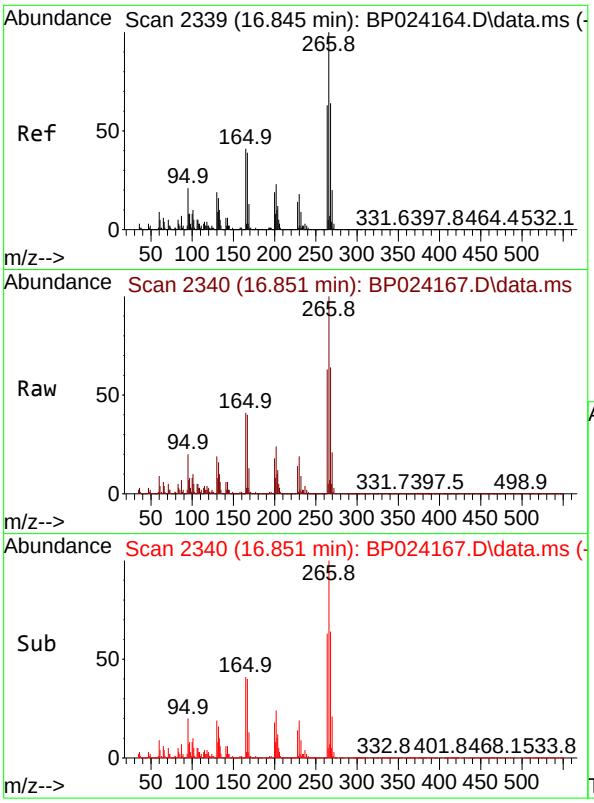


#68
Hexachlorobenzene
Concen: 82.437 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



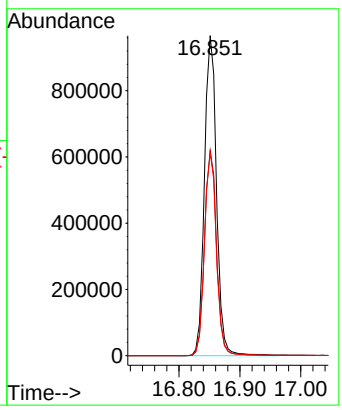


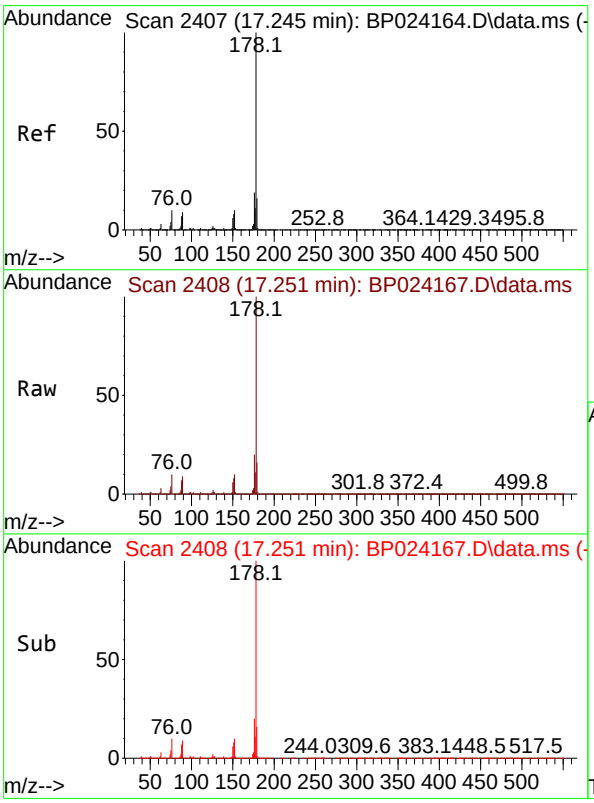
#70
Pentachlorophenol
Concen: 92.003 ng
RT: 16.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

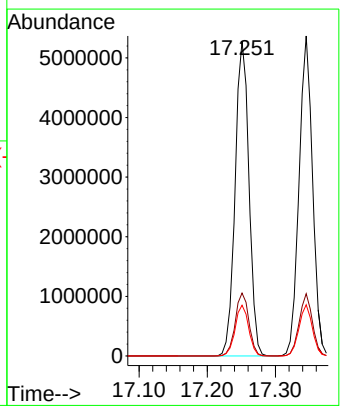


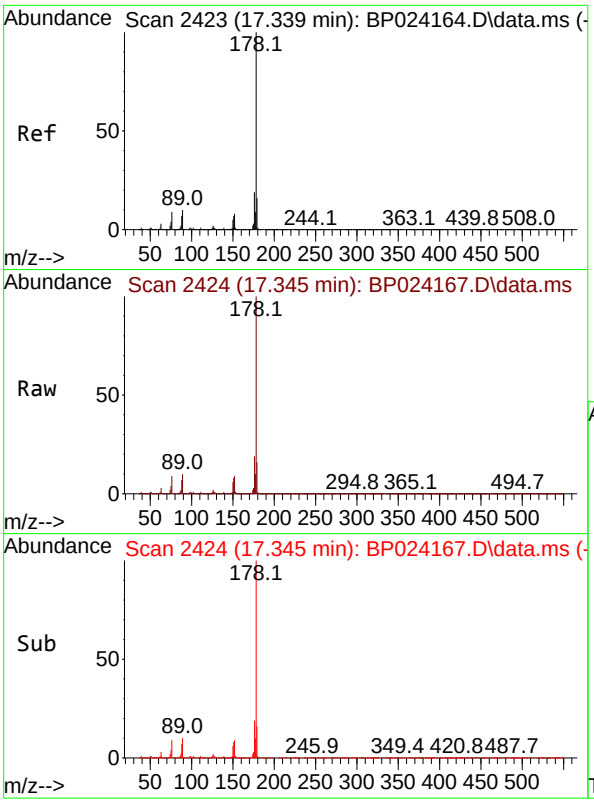


#71
Phenanthrene
Concen: 78.188 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



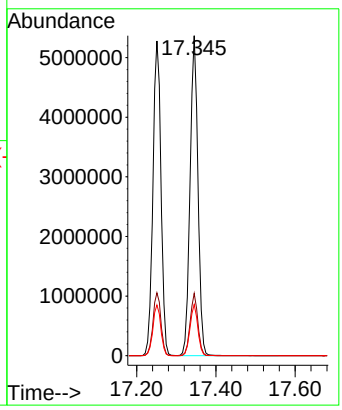


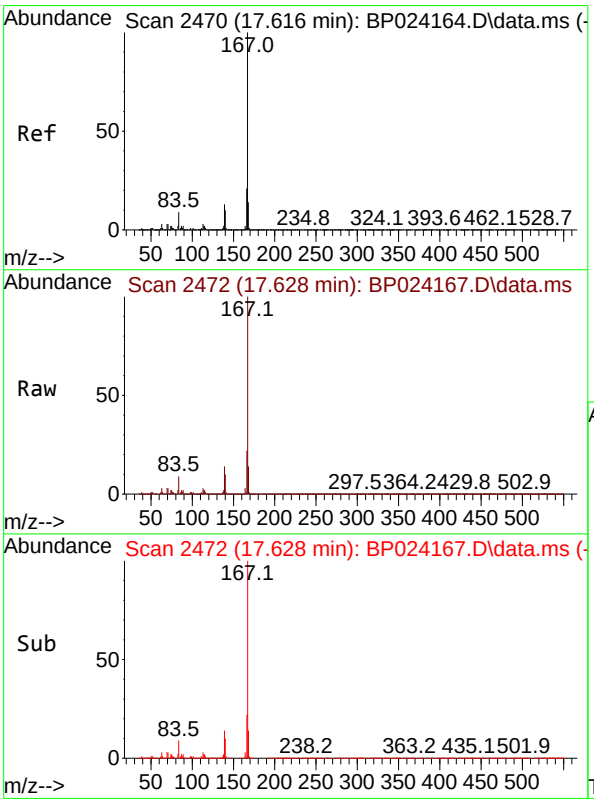
#72
Anthracene
Concen: 81.264 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

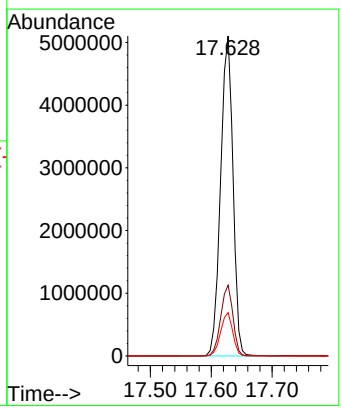


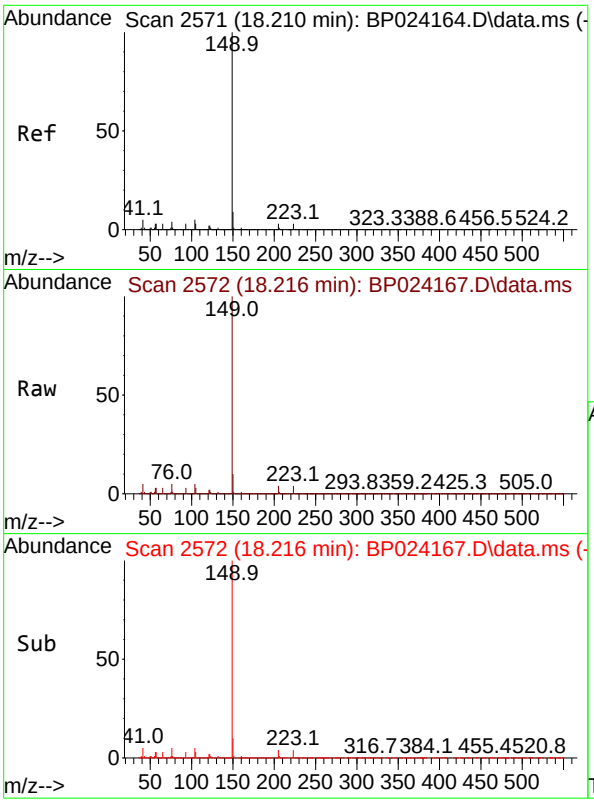


#73
Carbazole
Concen: 82.862 ng
RT: 17.628 min Scan# 2472
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



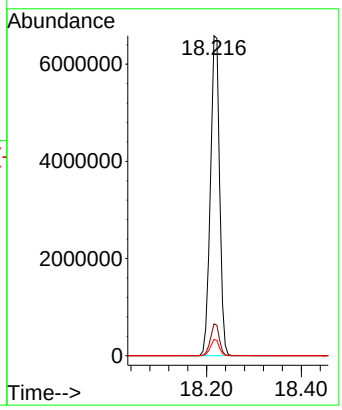


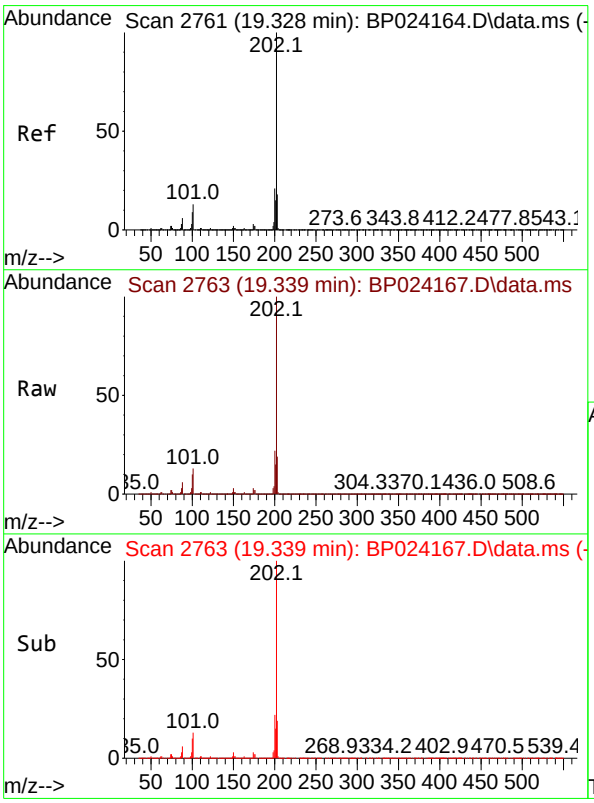
#74
Di-n-butylphthalate
Concen: 86.868 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

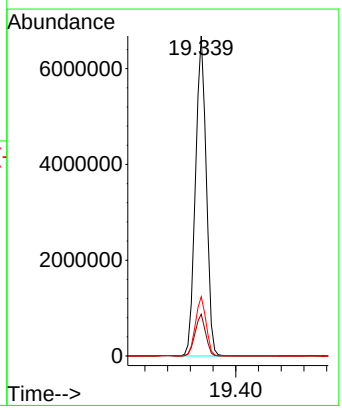


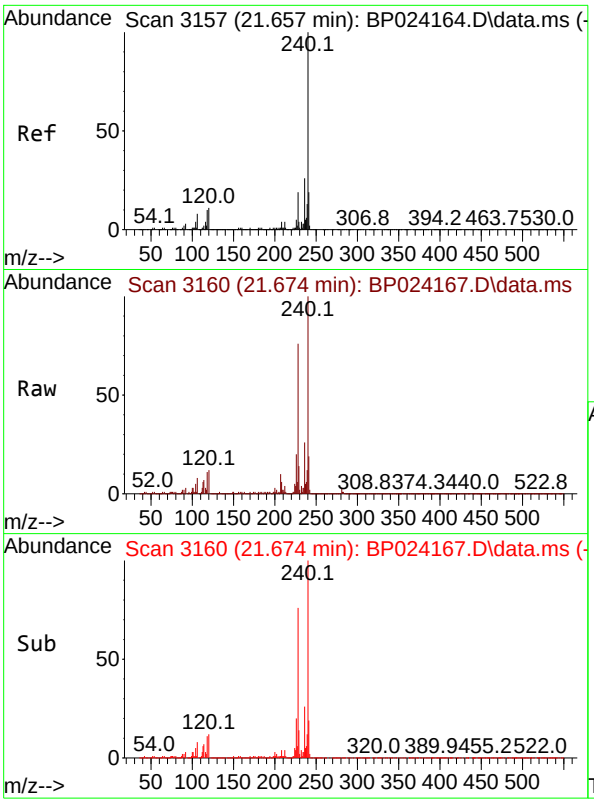


#75
Fluoranthene
Concen: 82.280 ng
RT: 19.339 min Scan# 2763
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



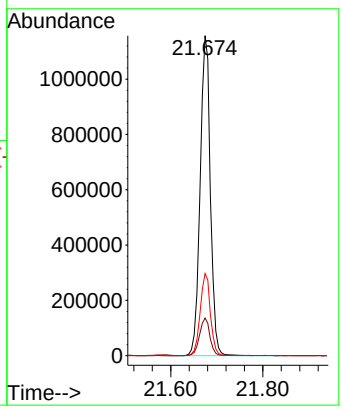


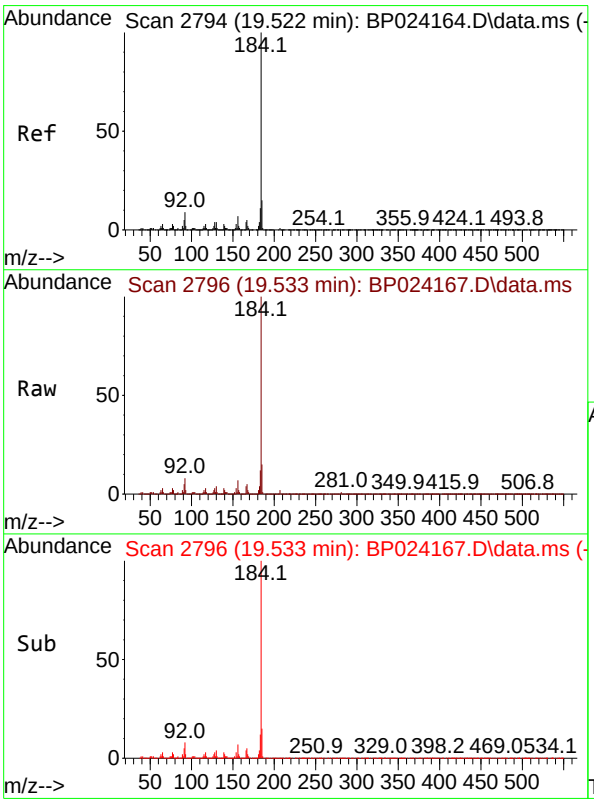
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

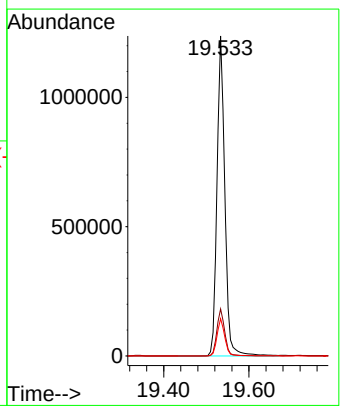


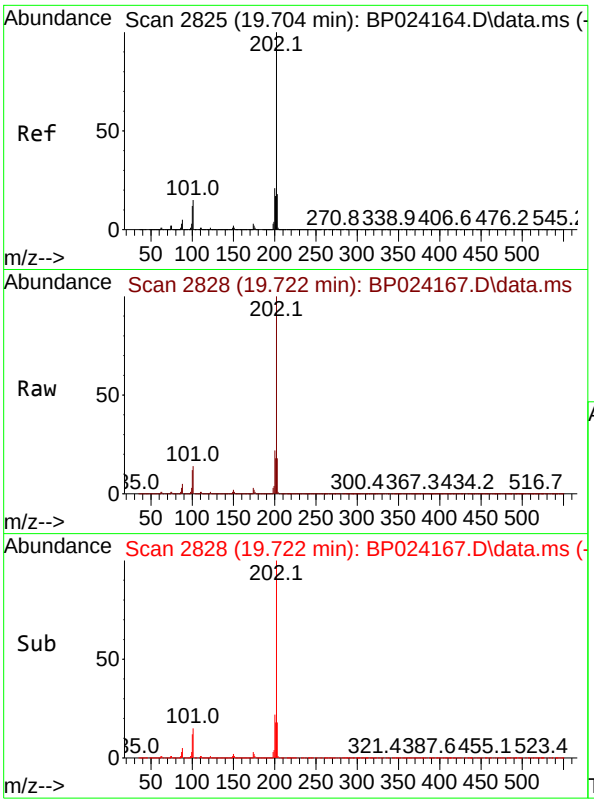


#77
Benzidine
Concen: 72.794 ng
RT: 19.533 min Scan# 2796
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



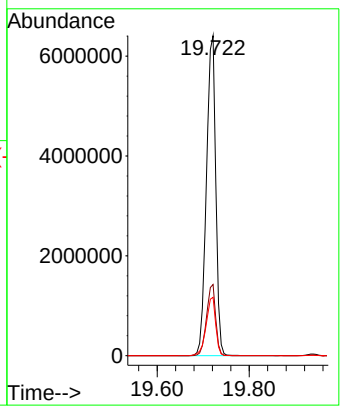


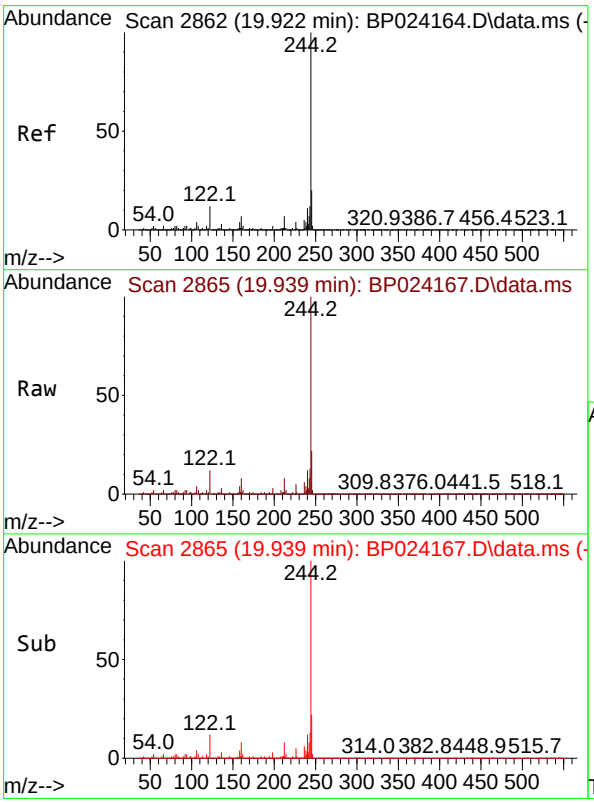
#78
Pyrene
Concen: 80.230 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

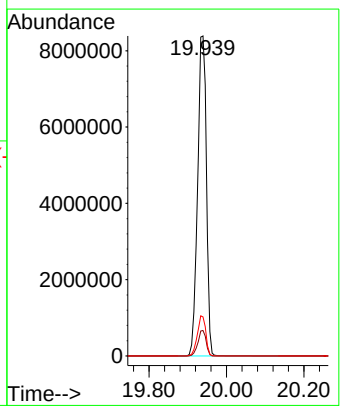


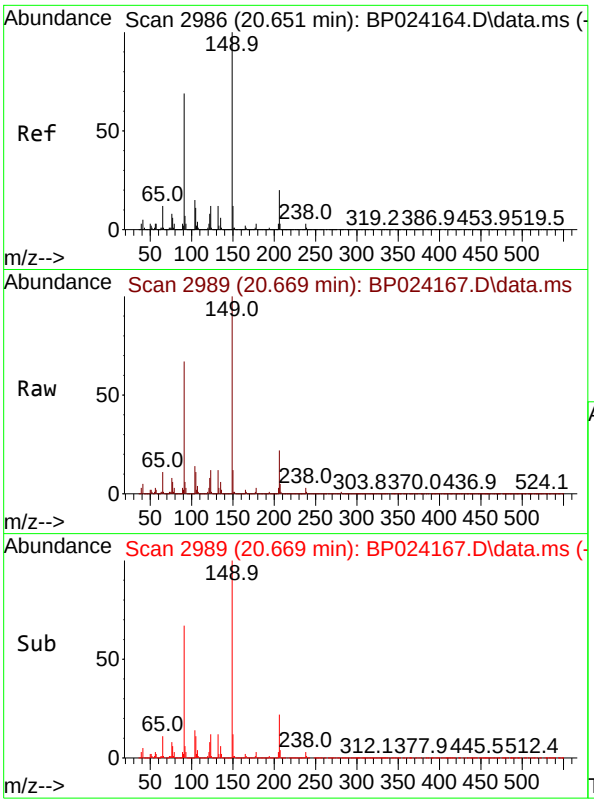


#79
Terphenyl-d14
Concen: 146.201 ng
RT: 19.939 min Scan# 2865
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



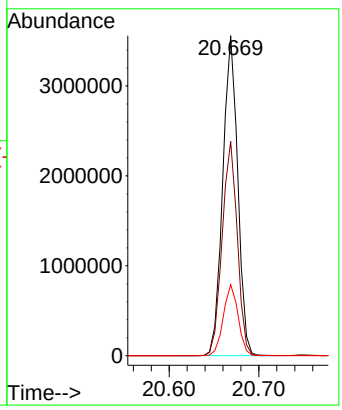


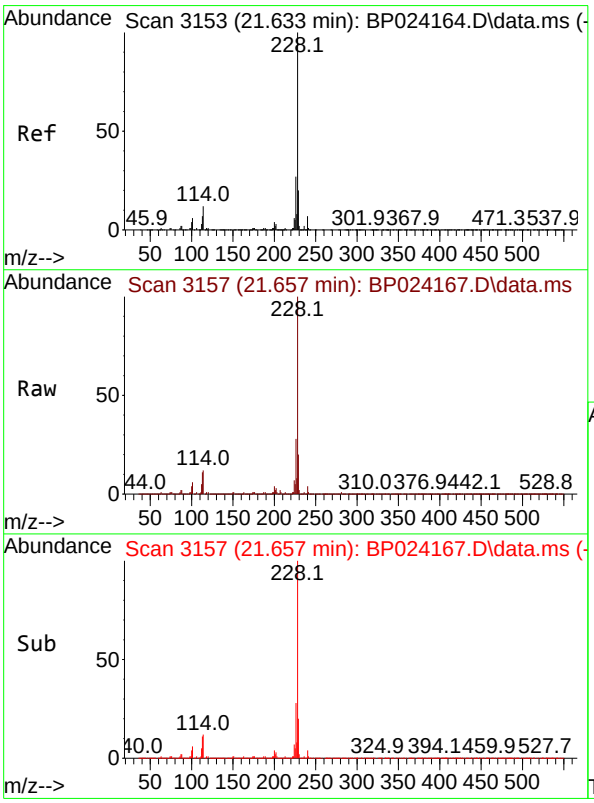
#80
Butylbenzylphthalate
Concen: 94.735 ng
RT: 20.669 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

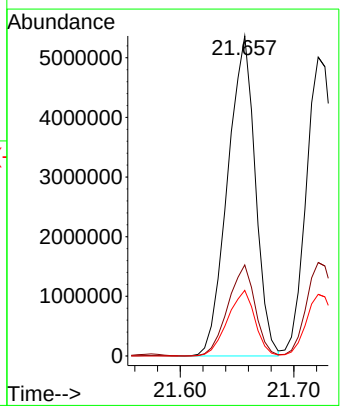


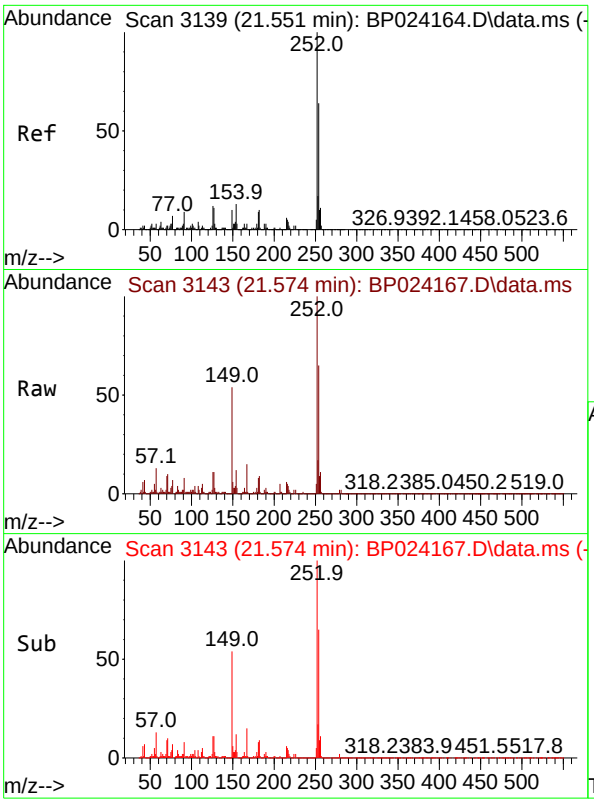


#81
Benzo(a)anthracene
Concen: 81.050 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



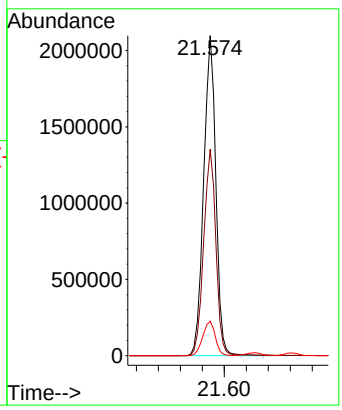


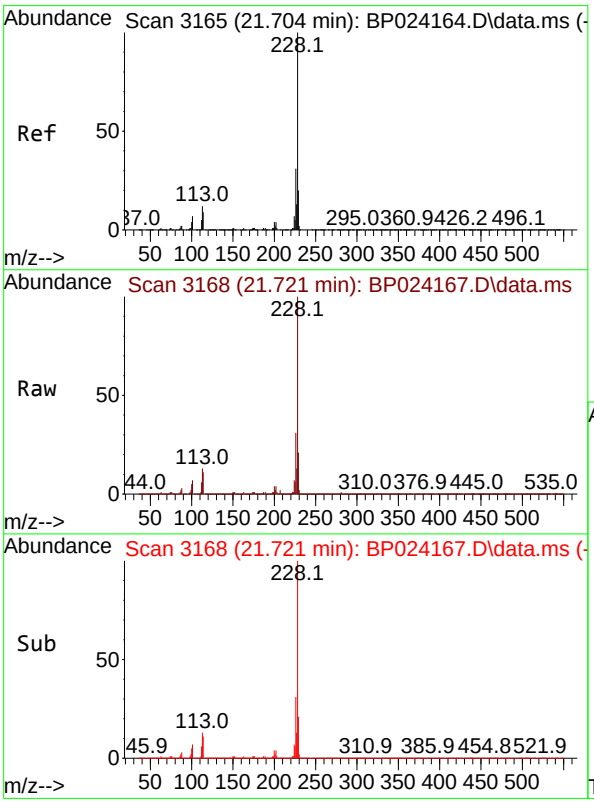
#82
3,3'-Dichlorobenzidine
Concen: 91.925 ng
RT: 21.574 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

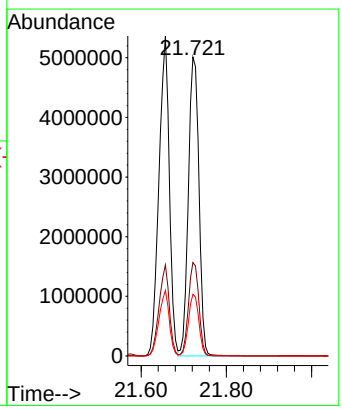


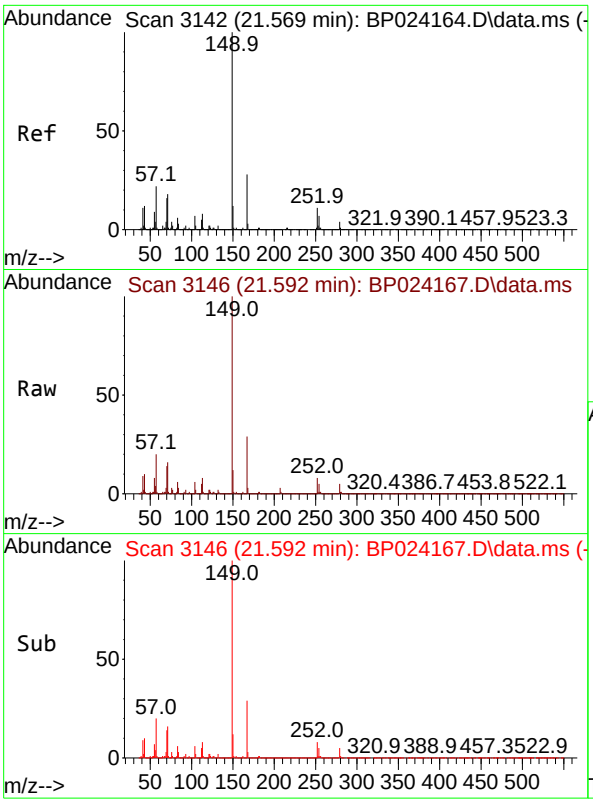


#83
Chrysene
Concen: 79.981 ng
RT: 21.721 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



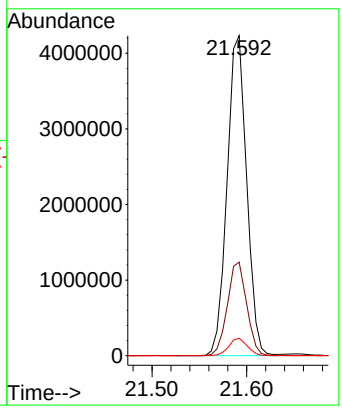


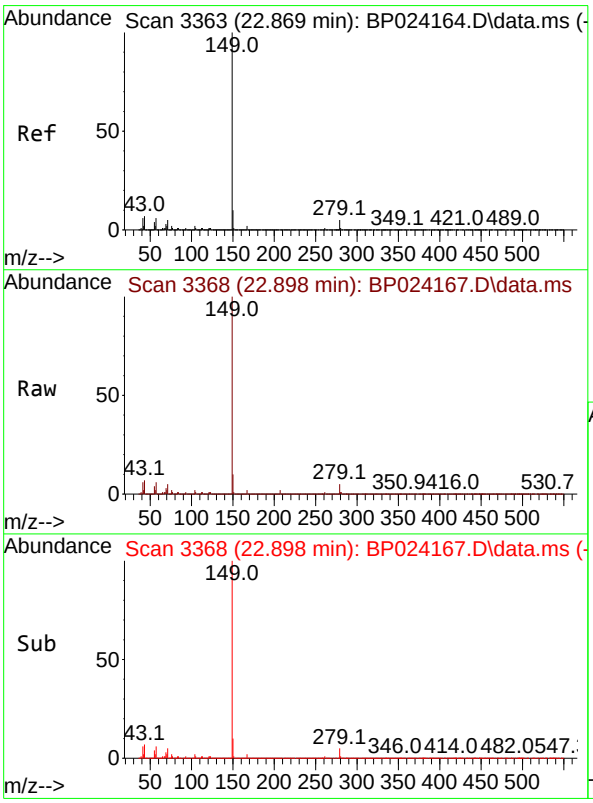
#84
Bis(2-ethylhexyl)phthalate
Concen: 92.215 ng
RT: 21.592 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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#

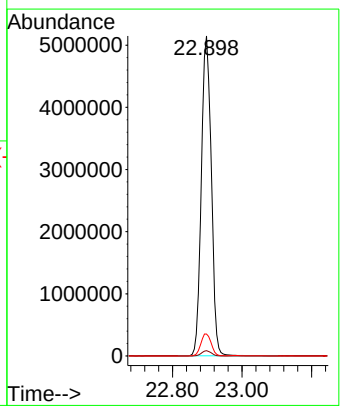


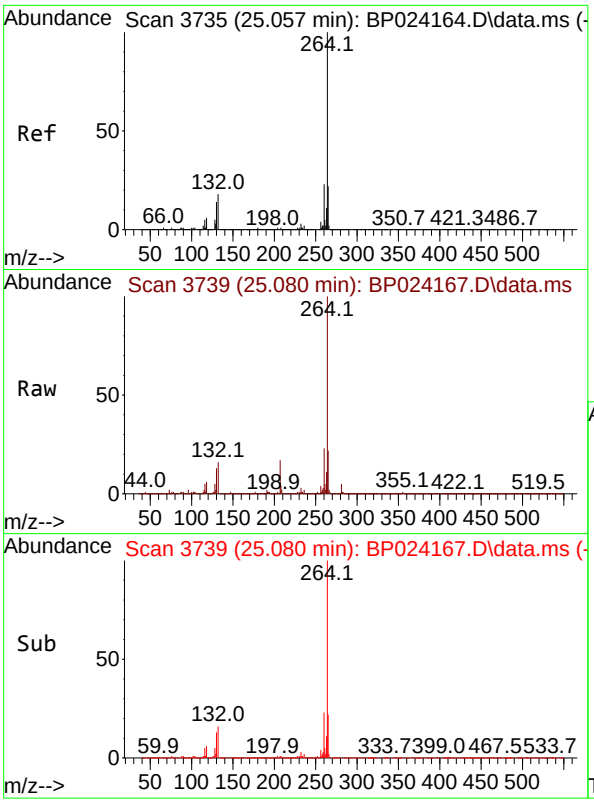


#85
Di-n-octyl phthalate
Concen: 97.189 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



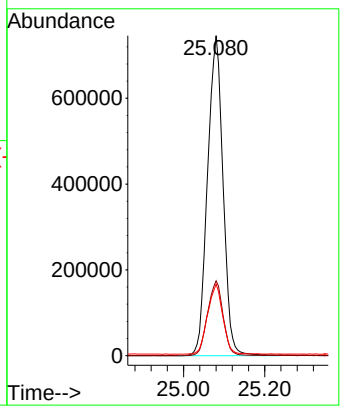


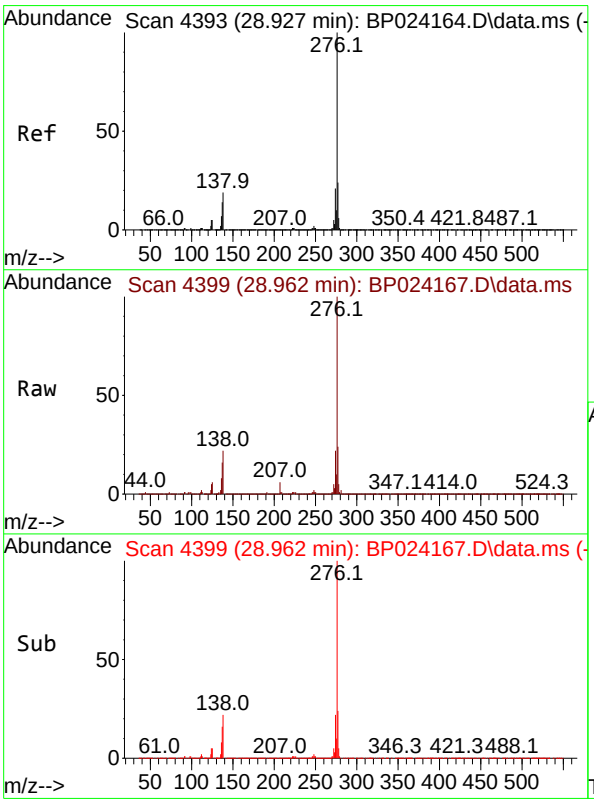
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

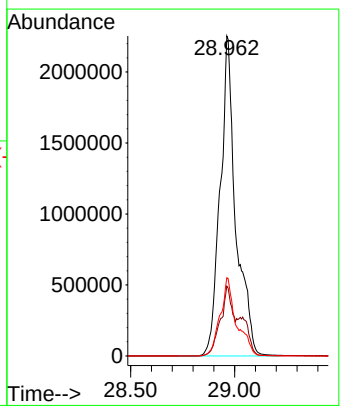


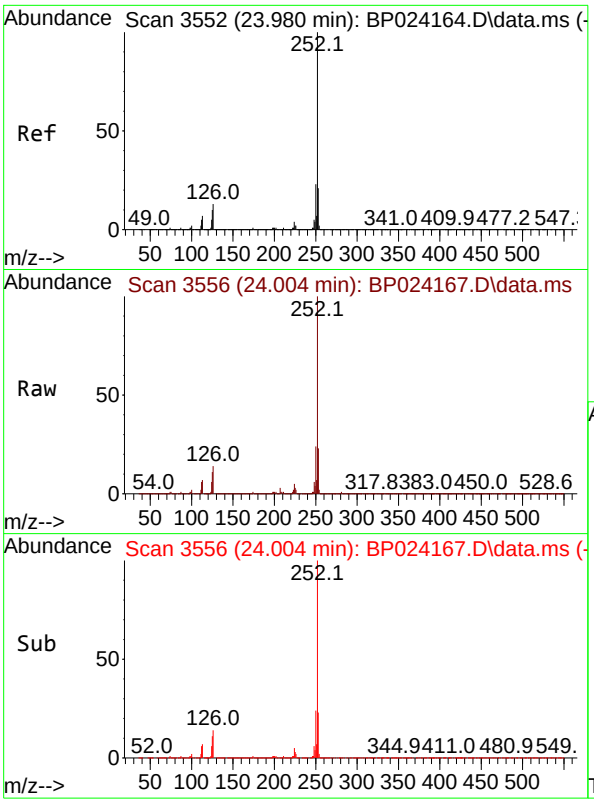


#87
Indeno(1,2,3-cd)pyrene
Concen: 84.301 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.035 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



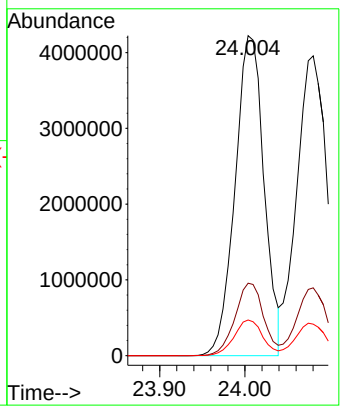


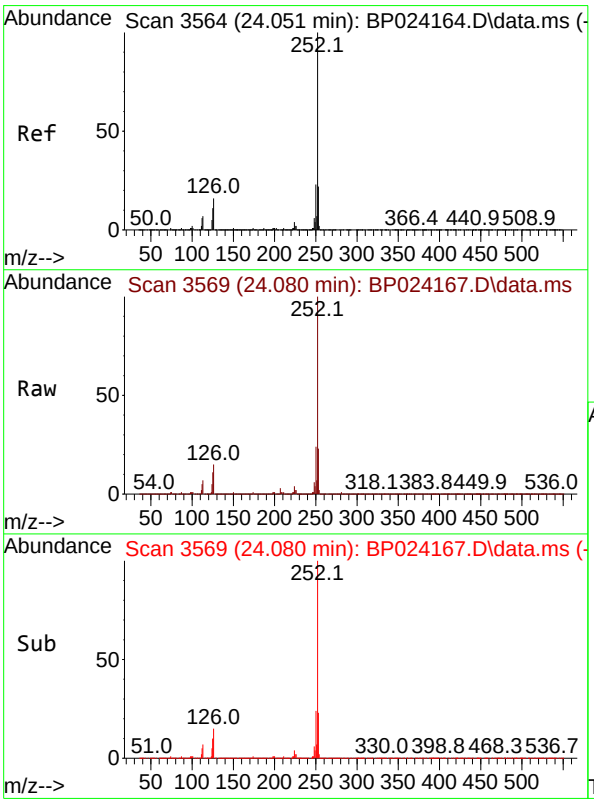
#88
Benzo(b)fluoranthene
Concen: 79.623 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

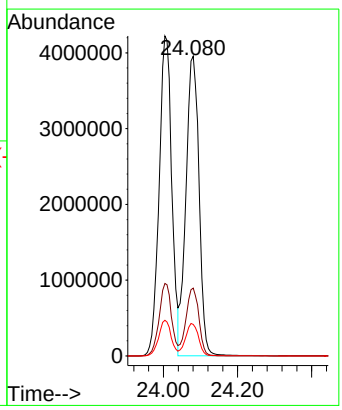


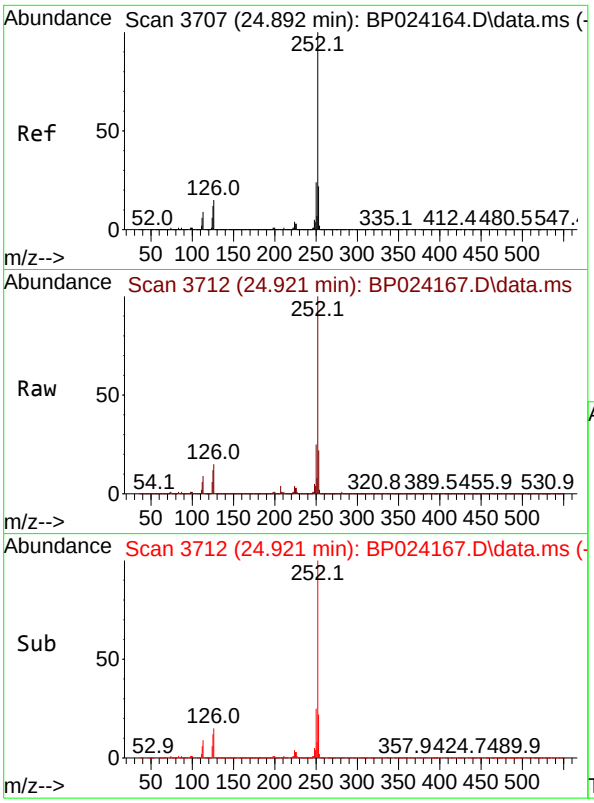


#89
Benzo(k)fluoranthene
Concen: 79.712 ng
RT: 24.080 min Scan# 3569
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



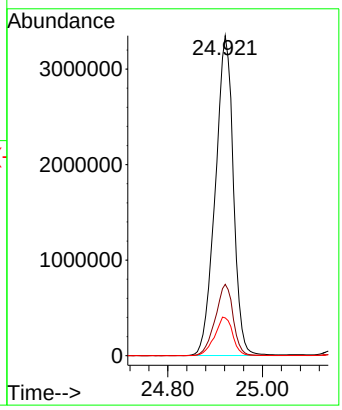


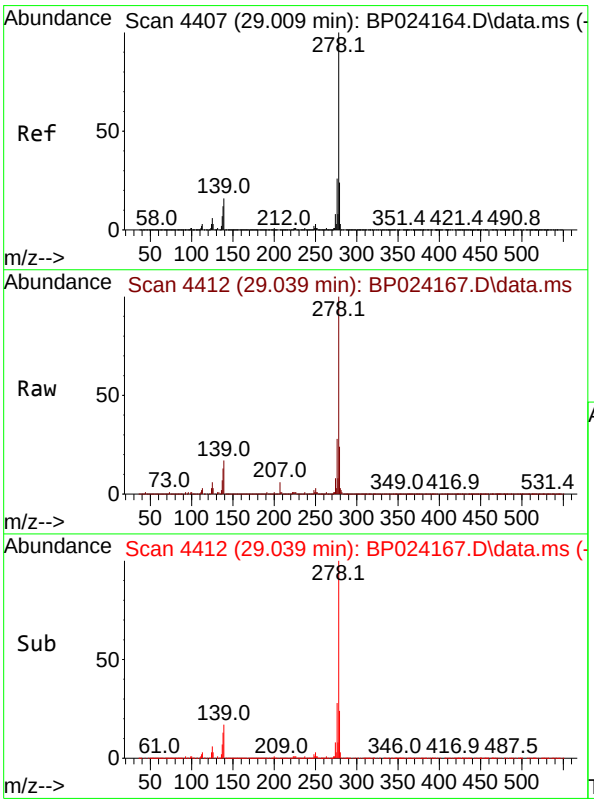
#90
Benzo(a)pyrene
Concen: 83.259 ng
RT: 24.921 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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

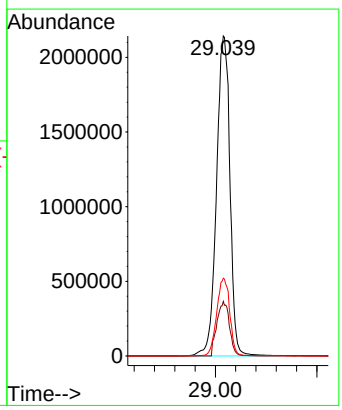


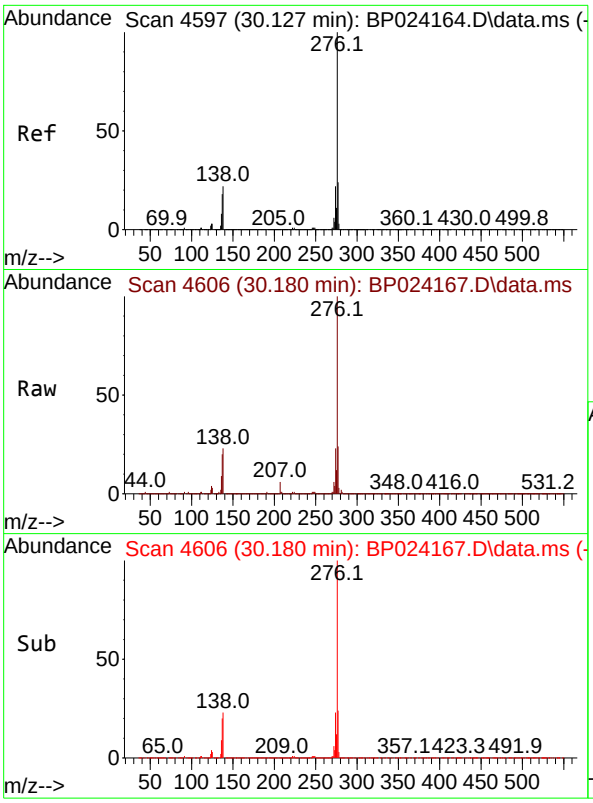


#91
Dibenzo(a,h)anthracene
Concen: 83.210 ng
RT: 29.039 min Scan# 4412
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



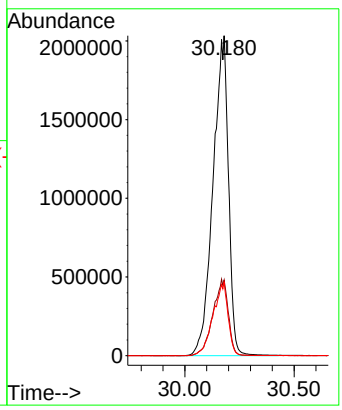


#92
Benzo(g,h,i)perylene
Concen: 82.940 ng
RT: 30.180 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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



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

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

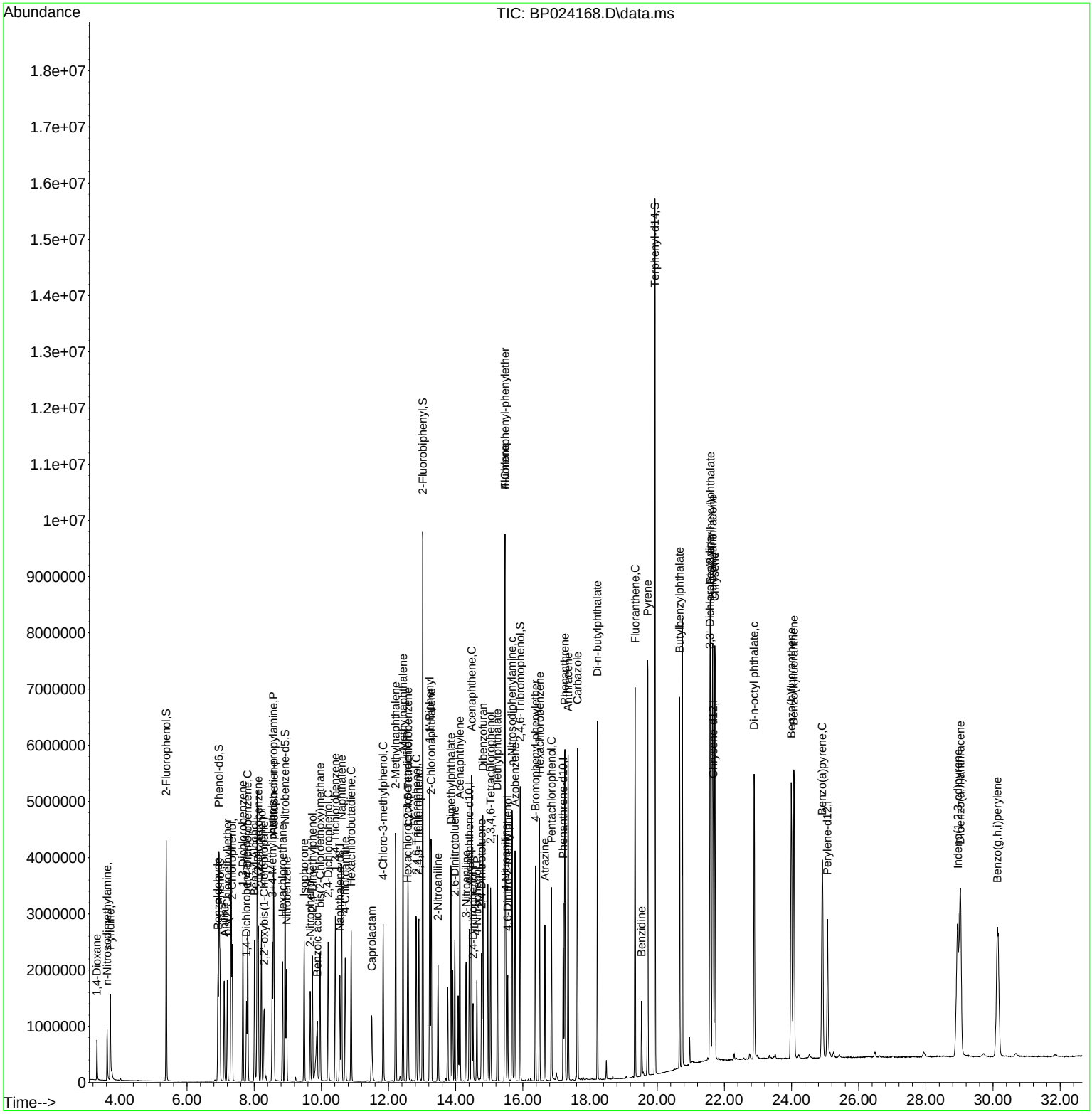
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	798076	40.985	ng	98
46) 1,1'-Biphenyl	13.228	154	2821370	38.846	ng	99
47) 2-Chloronaphthalene	13.269	162	2130879	39.006	ng	100
48) 2-Nitroaniline	13.475	65	574806	41.137	ng	99
49) Acenaphthylene	14.122	152	3245488	39.262	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	

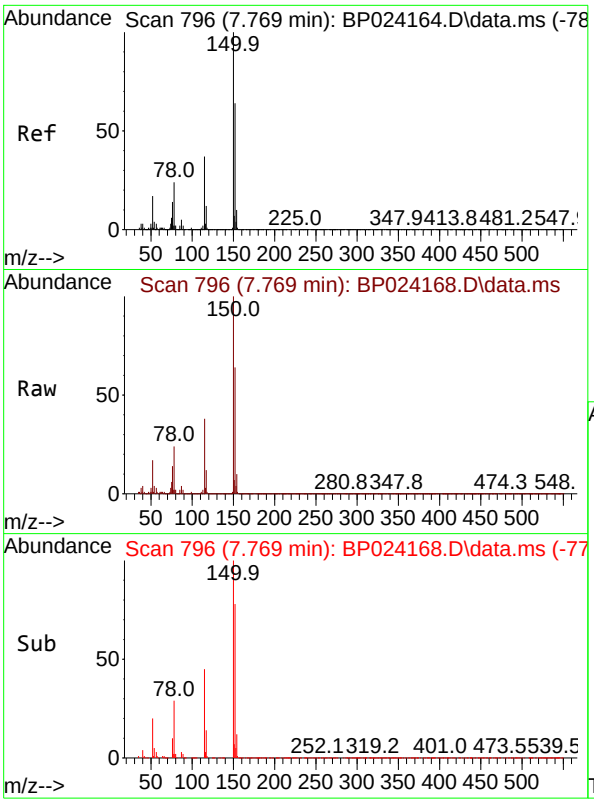
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



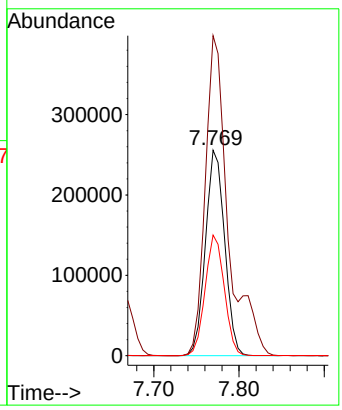


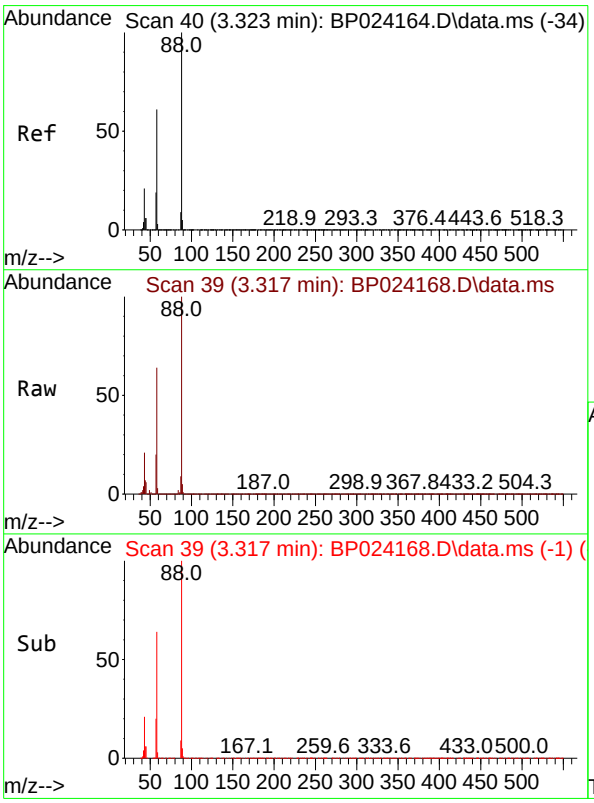
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

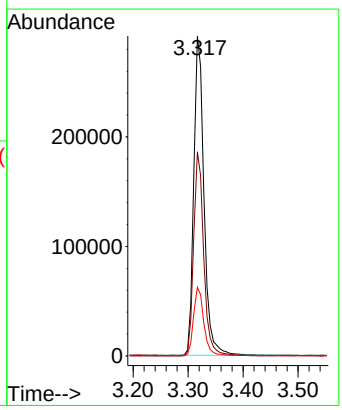


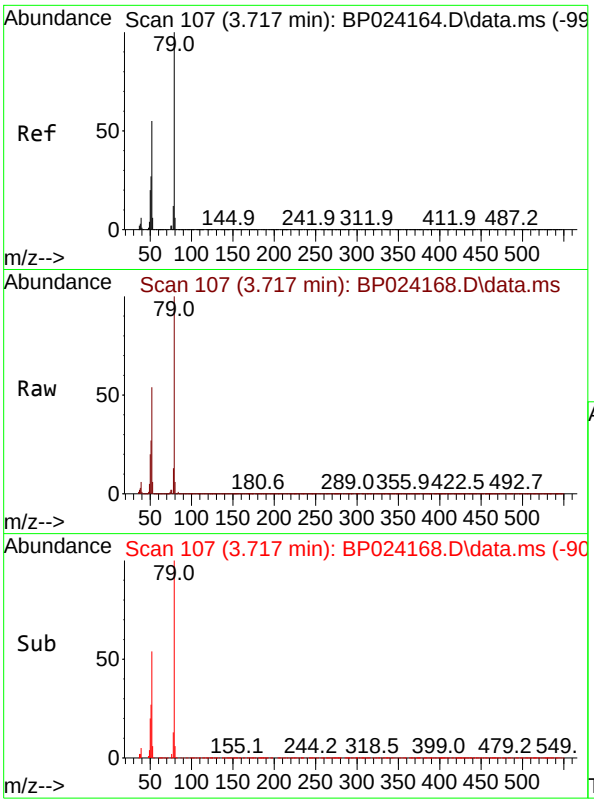


#2
1,4-Dioxane
Concen: 37.880 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



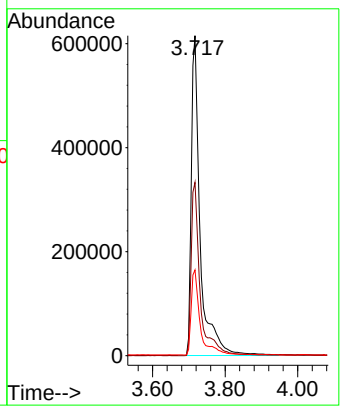


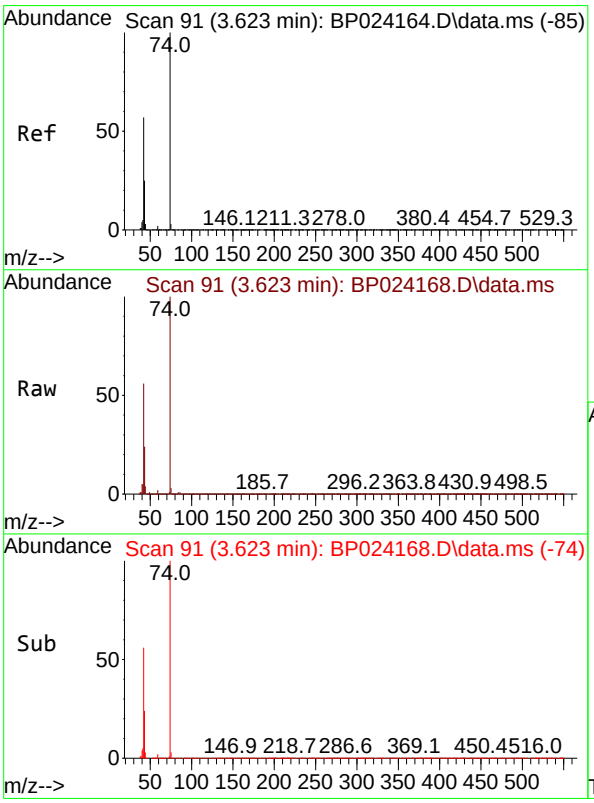
#3
Pyridine
Concen: 38.718 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

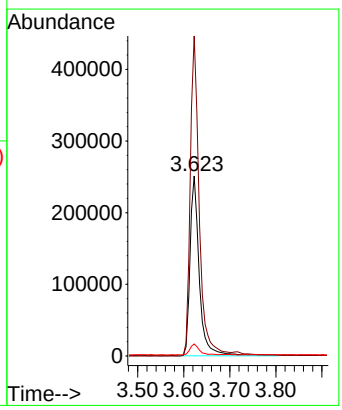


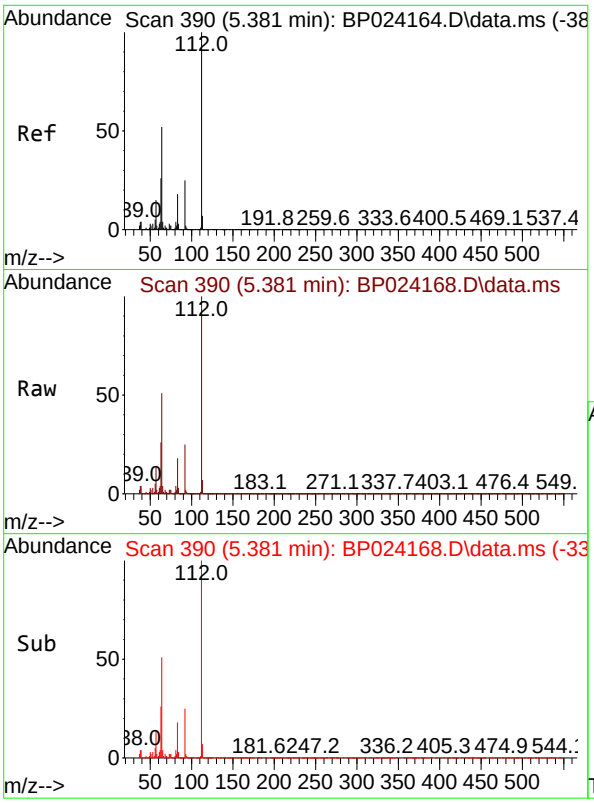


#4
n-Nitrosodimethylamine
Concen: 38.646 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



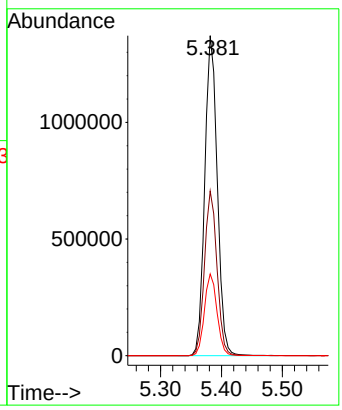


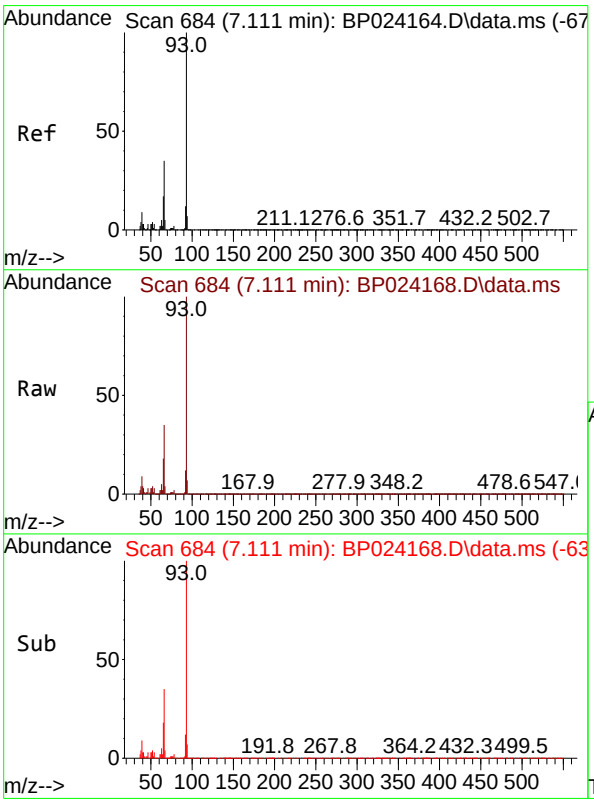
#5
2-Fluorophenol
Concen: 78.230 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

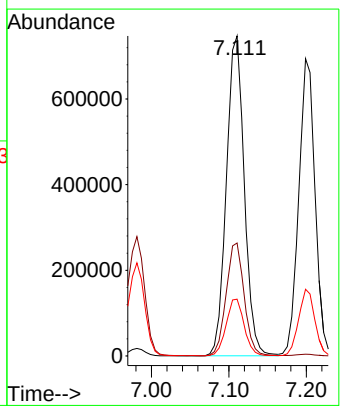


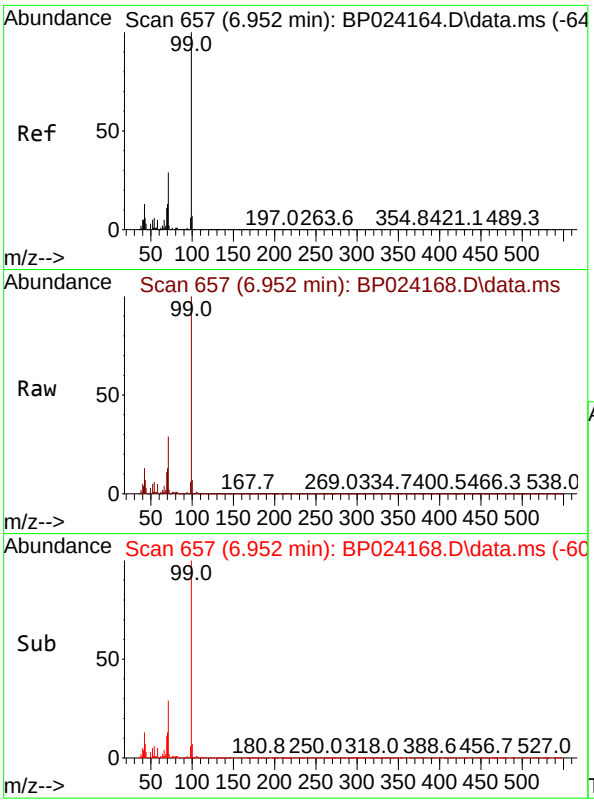


#6
Aniline
Concen: 39.413 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



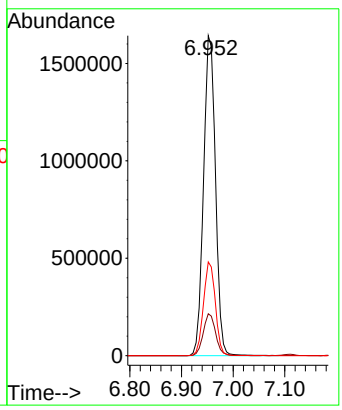


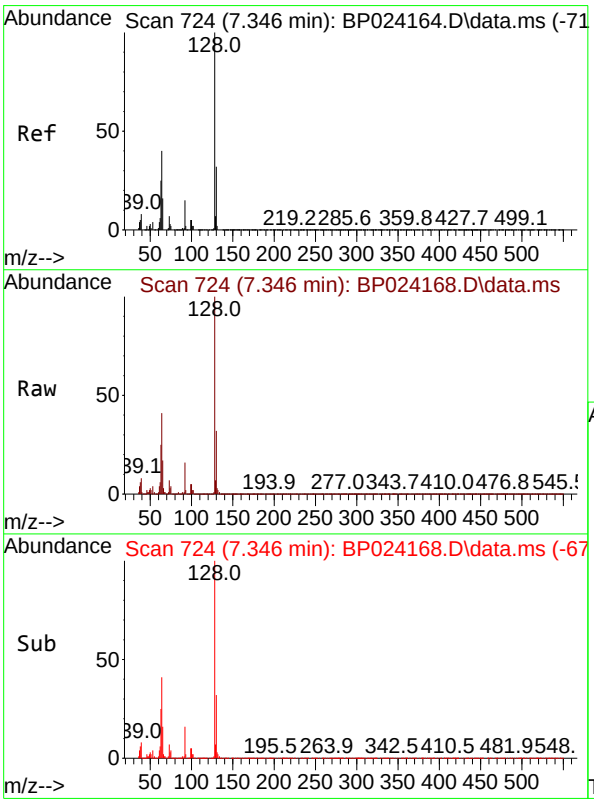
#7
Phenol-d6
Concen: 78.704 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

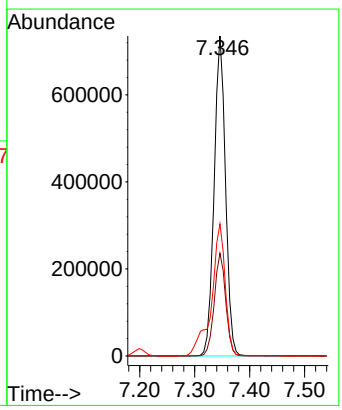


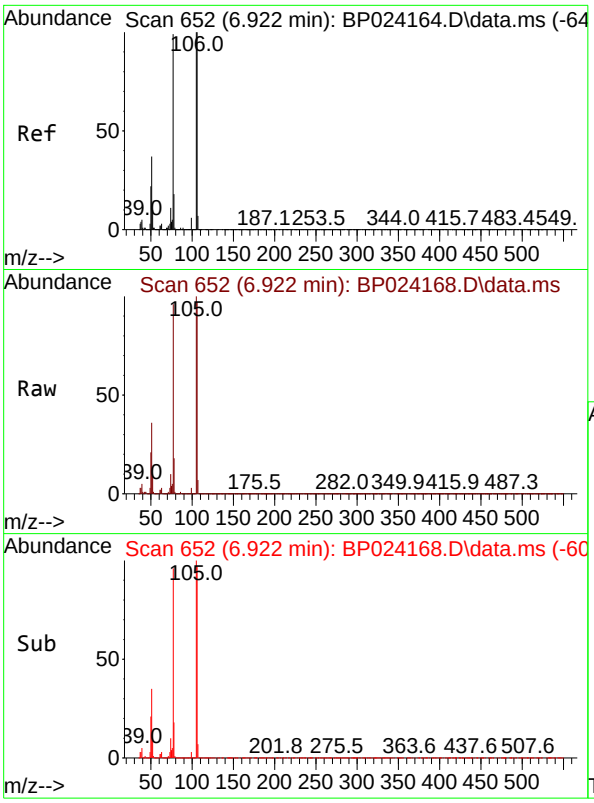


#8
2-Chlorophenol
Concen: 39.149 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



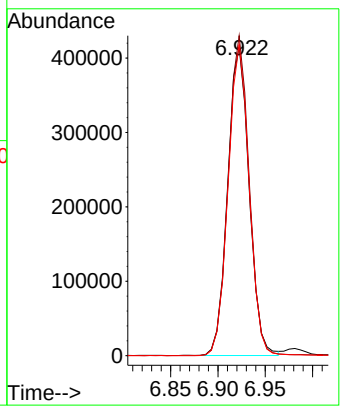


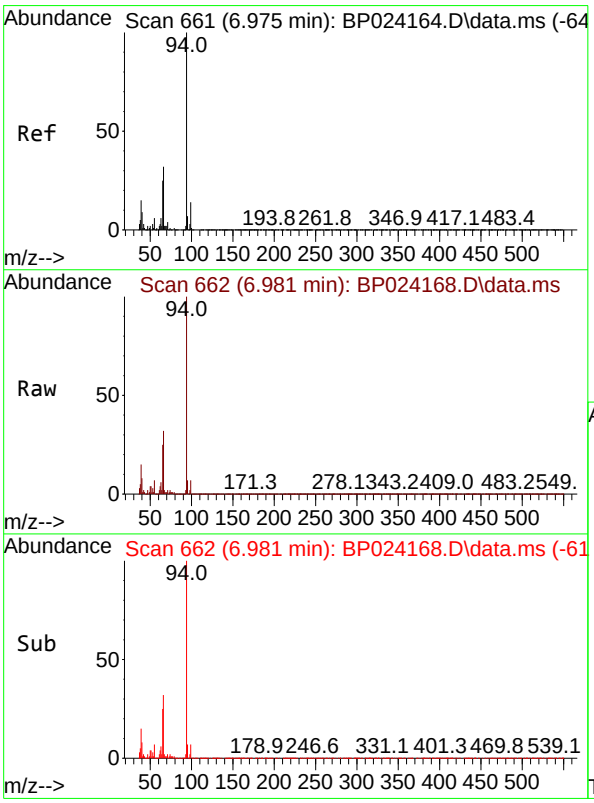
#9
Benzaldehyde
Concen: 40.389 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

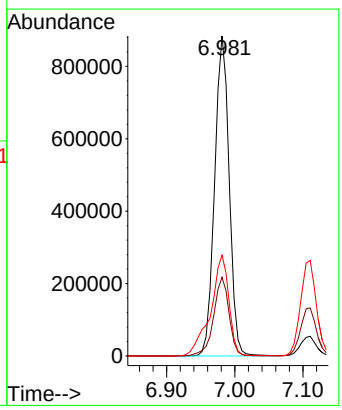


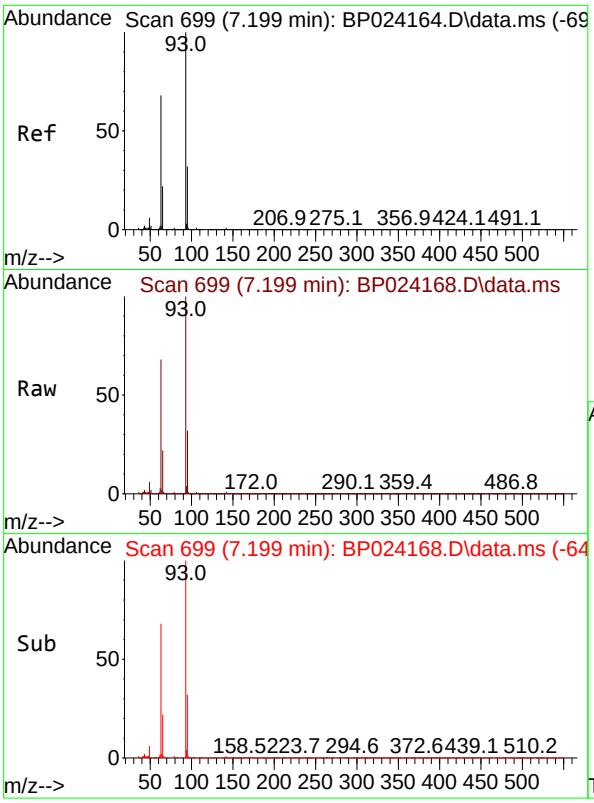


#10
Phenol
Concen: 38.869 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



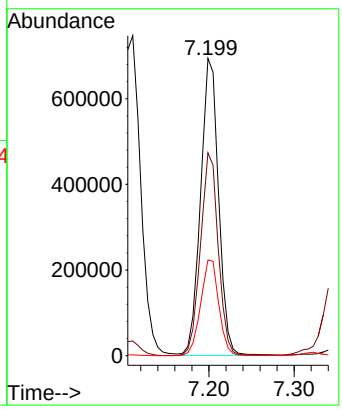


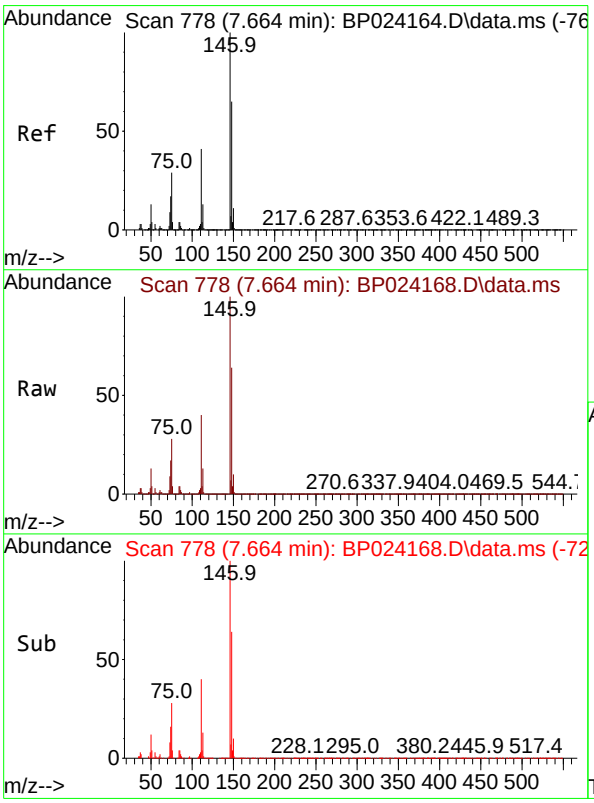
#11
bis(2-Chloroethyl)ether
Concen: 38.203 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

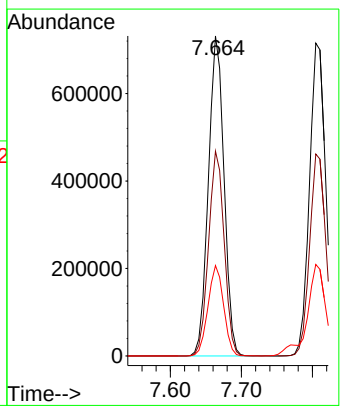


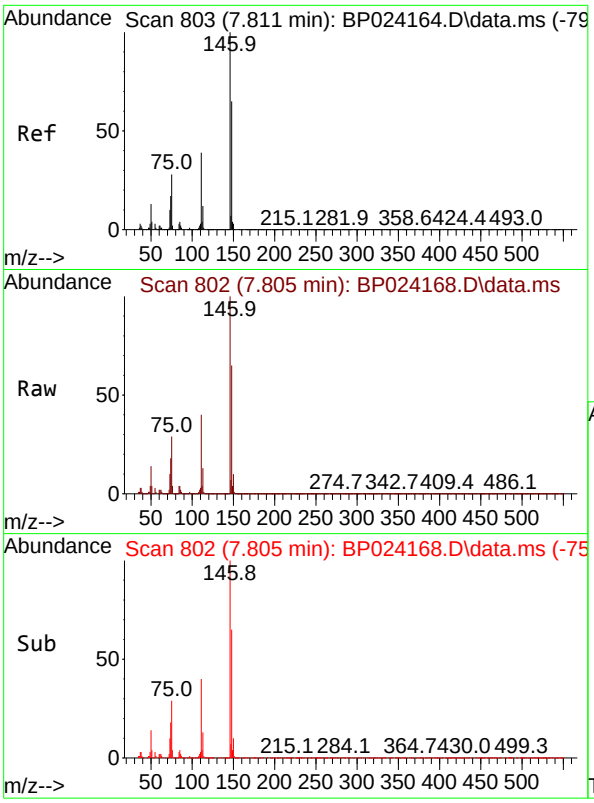


#12
1,3-Dichlorobenzene
Concen: 38.353 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



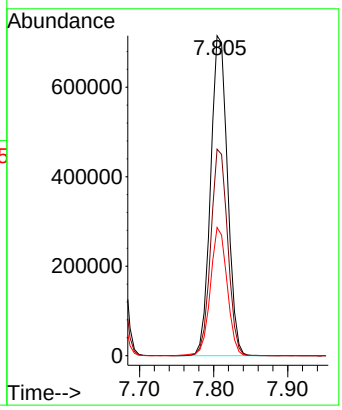


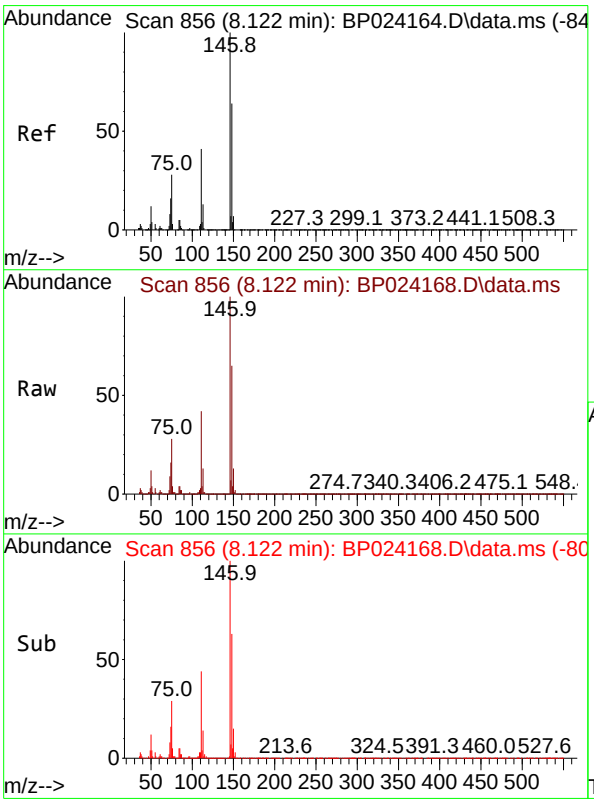
#13
1,4-Dichlorobenzene
Concen: 37.960 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

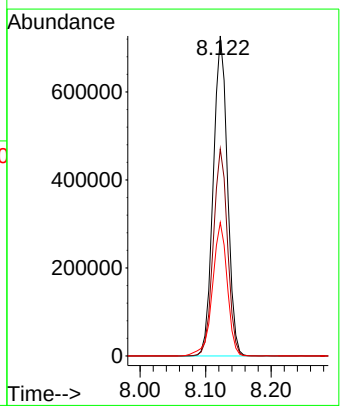


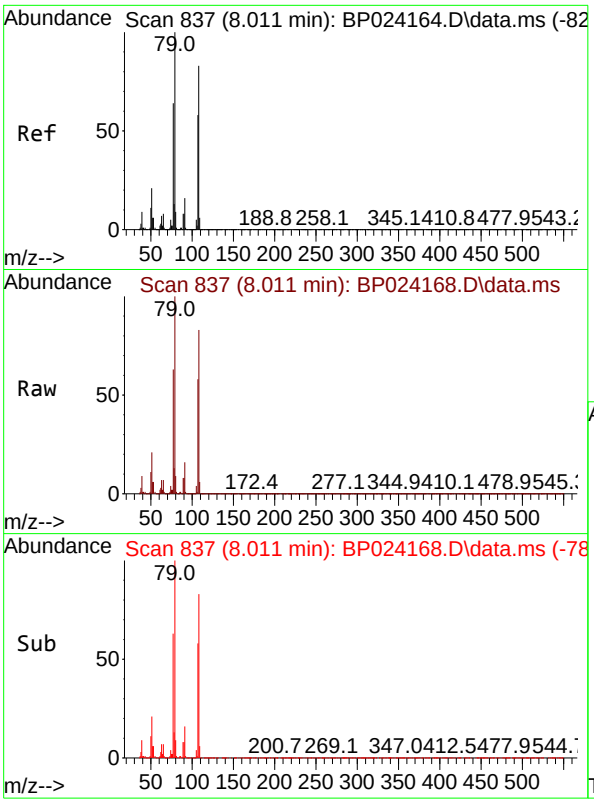


#14
1,2-Dichlorobenzene
Concen: 38.116 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



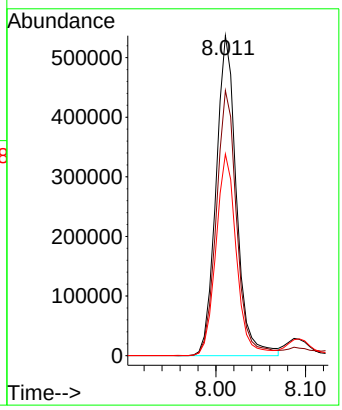


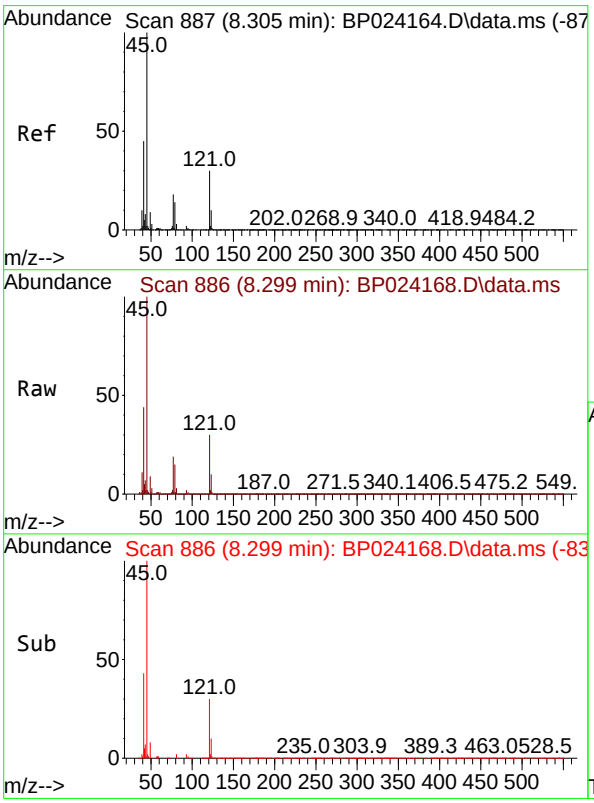
#15
Benzyl Alcohol
Concen: 39.999 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

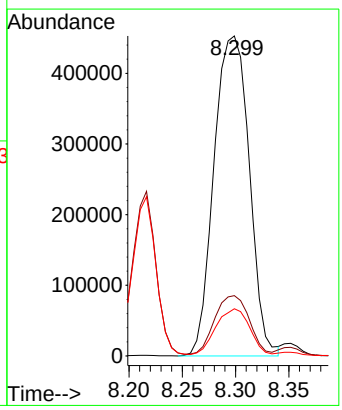


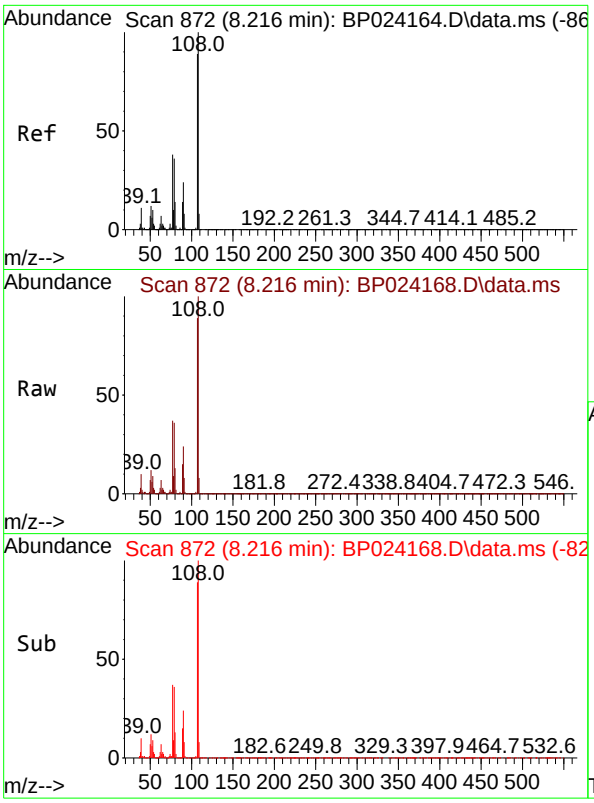


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.356 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



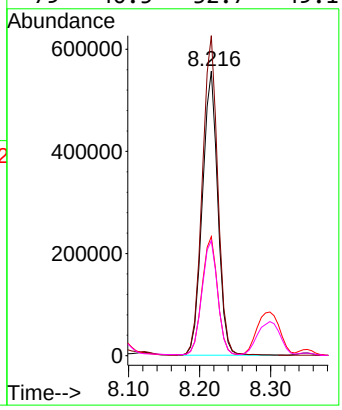


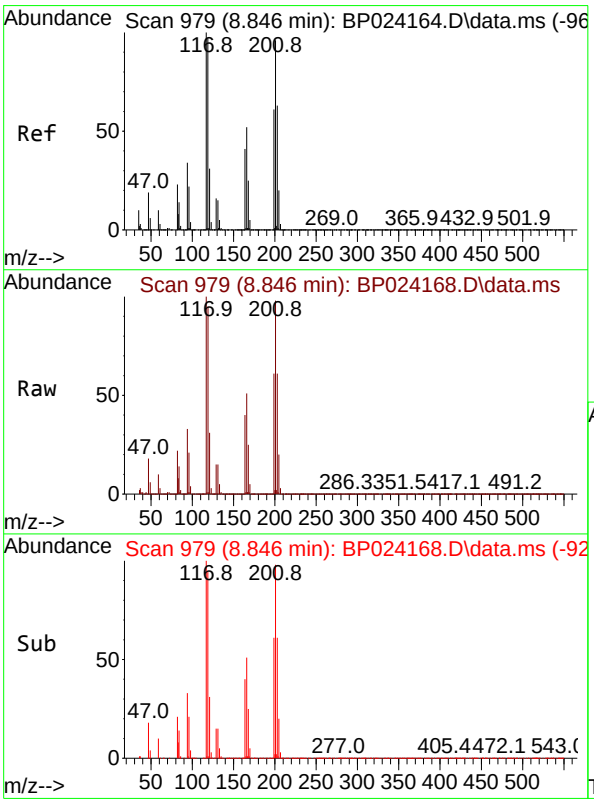
#17
2-Methylphenol
Concen: 39.636 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

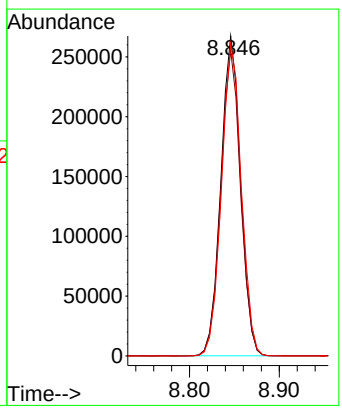


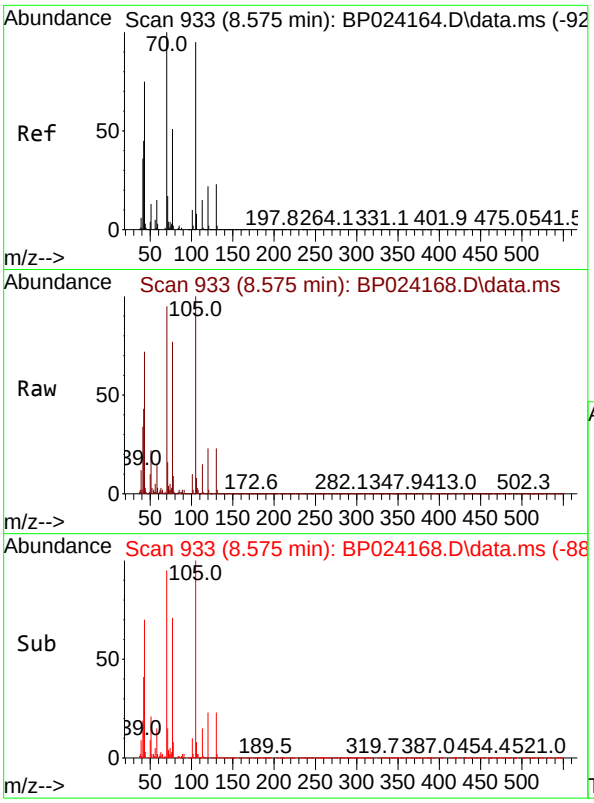


#18
Hexachloroethane
Concen: 38.587 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



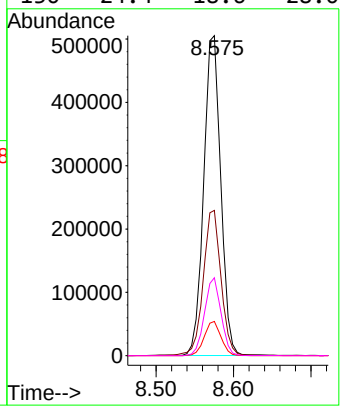


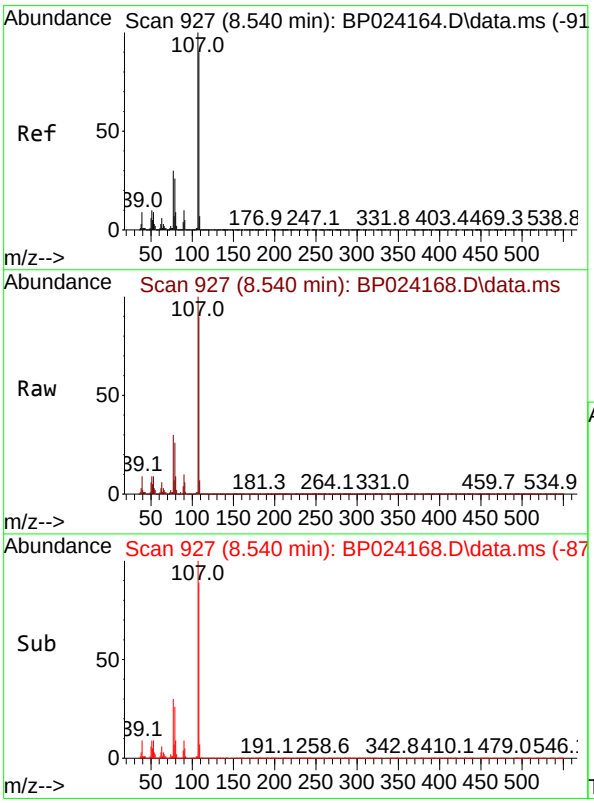
#19
n-Nitroso-di-n-propylamine
Concen: 39.697 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

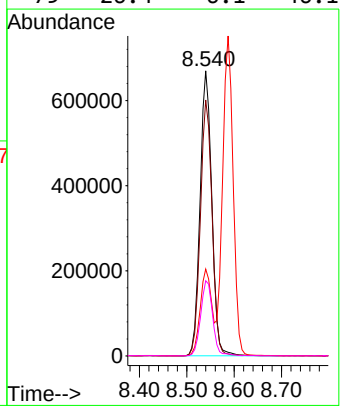


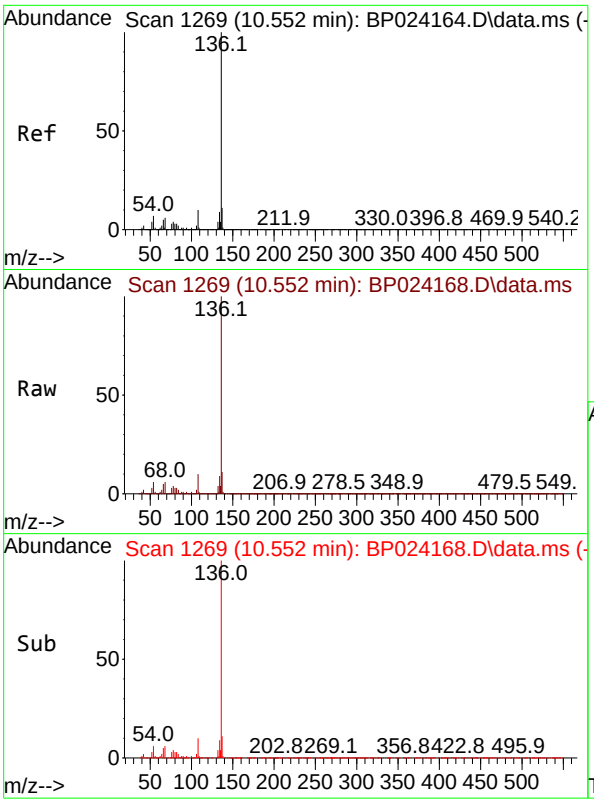


#20
3+4-Methylphenols
Concen: 39.629 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



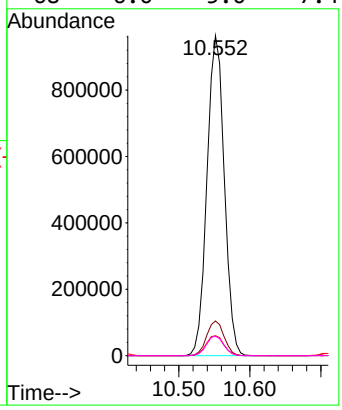


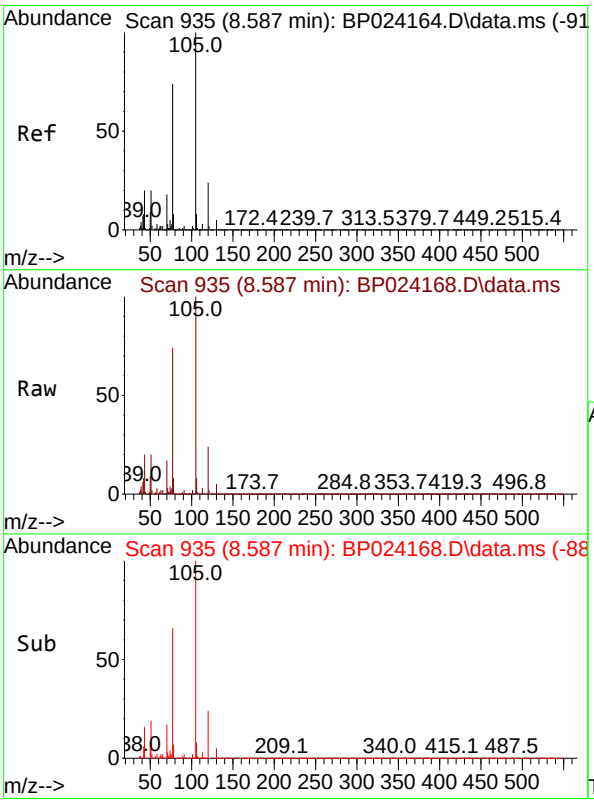
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

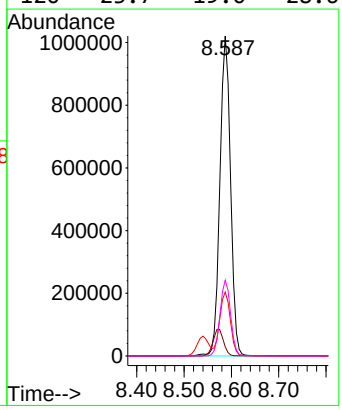


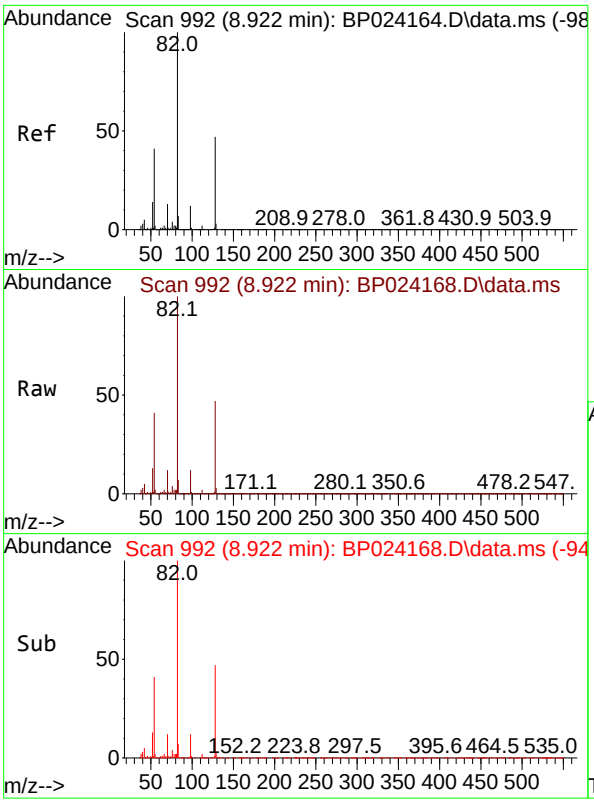


#22
Acetophenone
Concen: 38.611 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



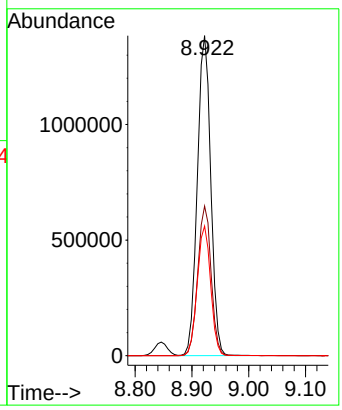


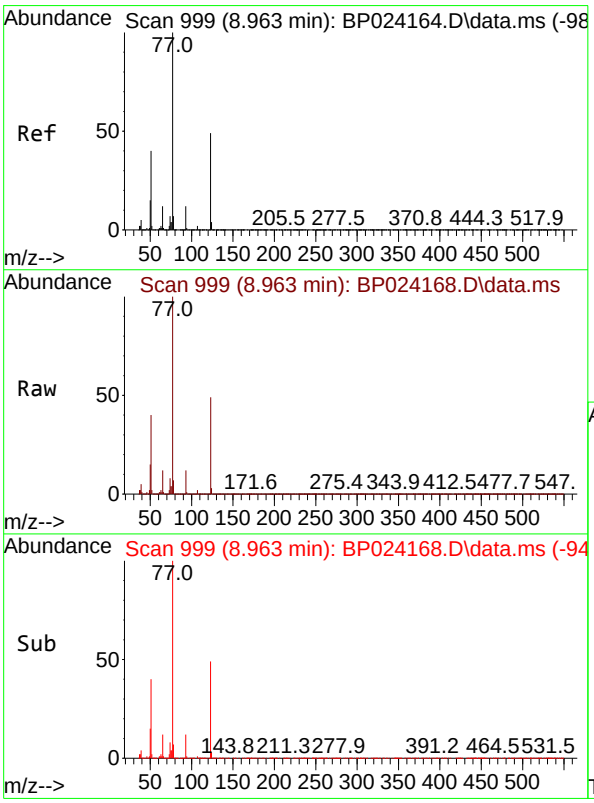
#23
Nitrobenzene-d5
Concen: 78.652 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

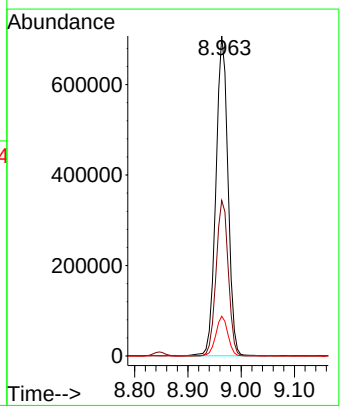


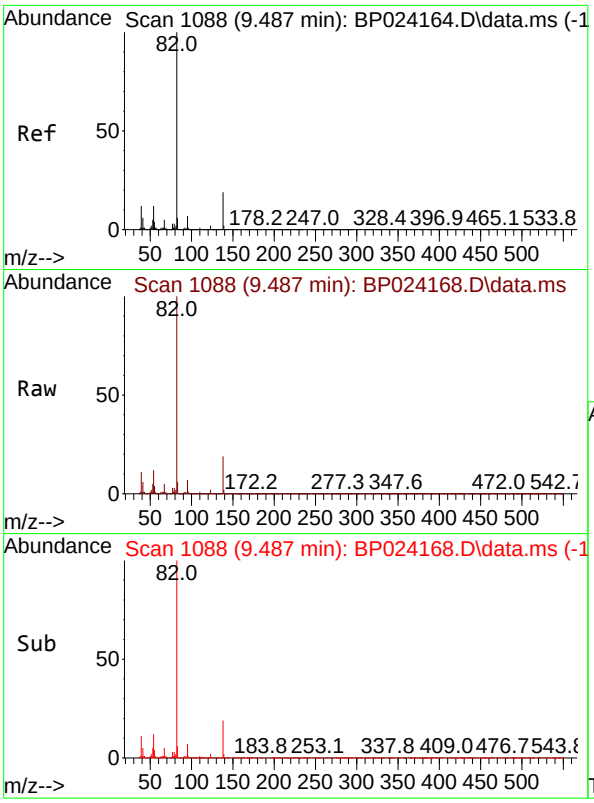


#24
Nitrobenzene
Concen: 39.045 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



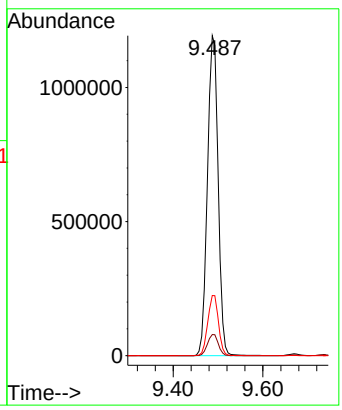


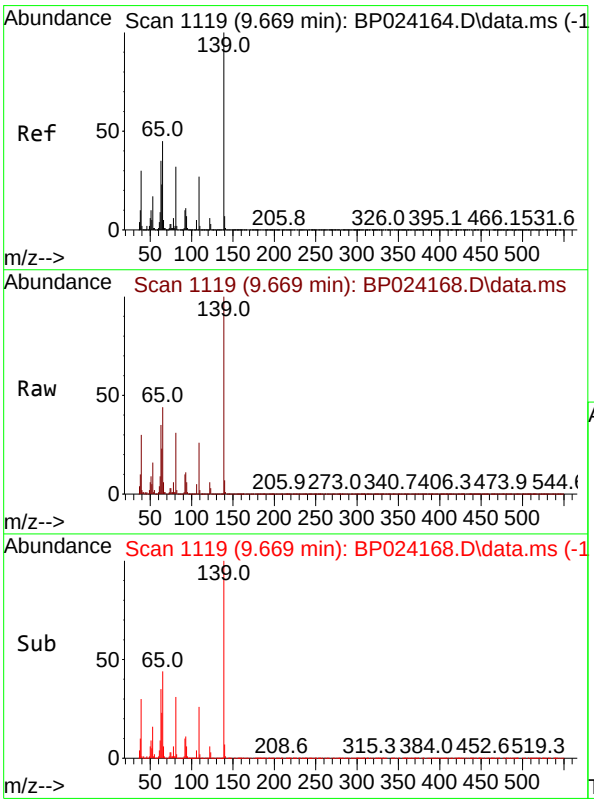
#25
Isophorone
Concen: 39.677 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

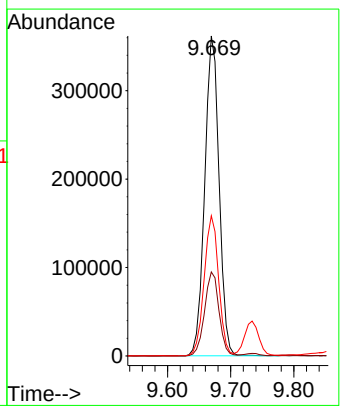


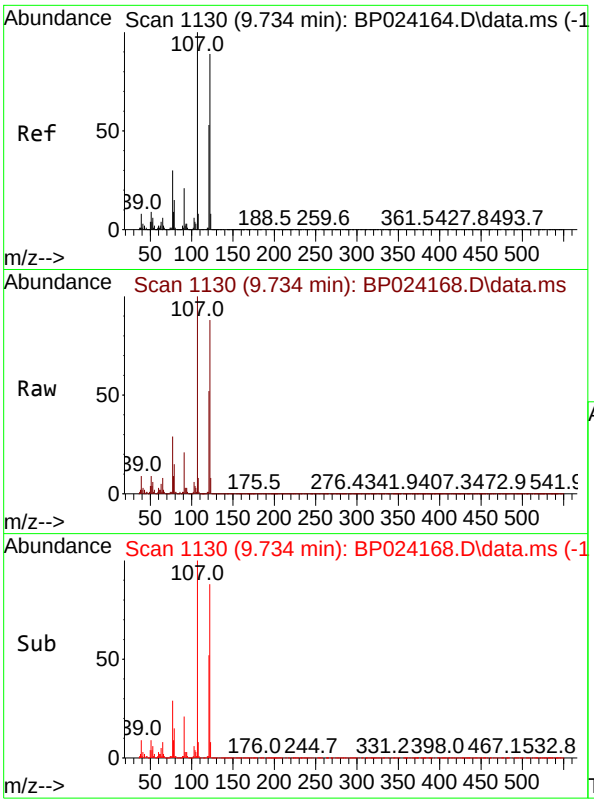


#26
2-Nitrophenol
Concen: 41.892 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



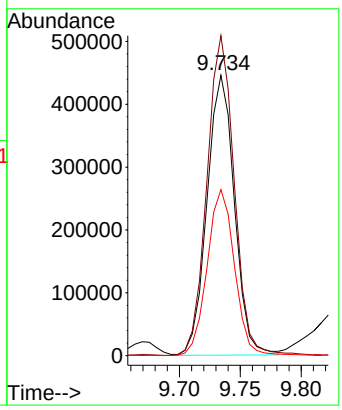


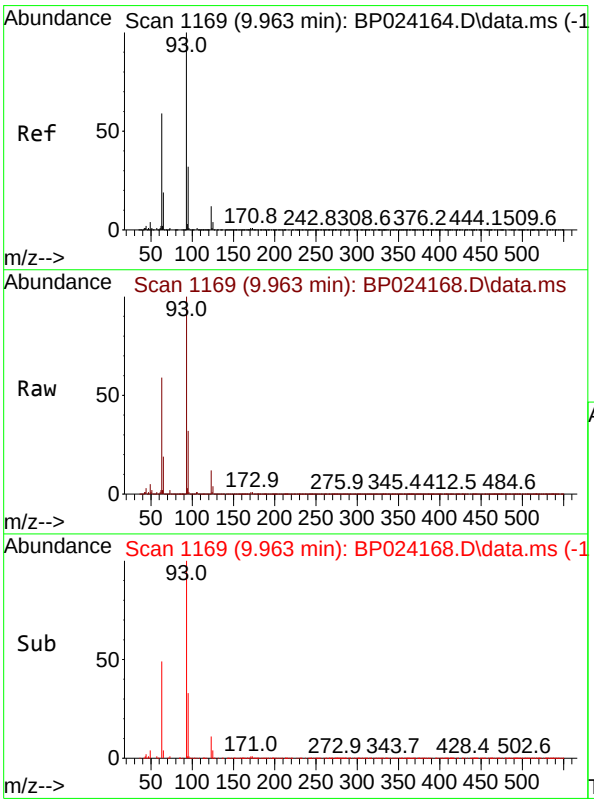
#27
2,4-Dimethylphenol
Concen: 39.779 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

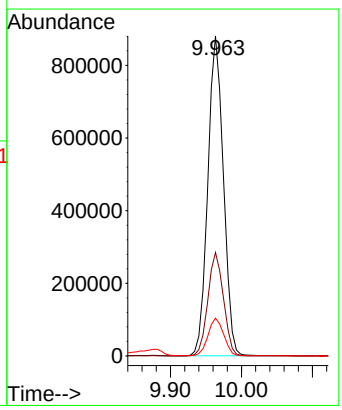


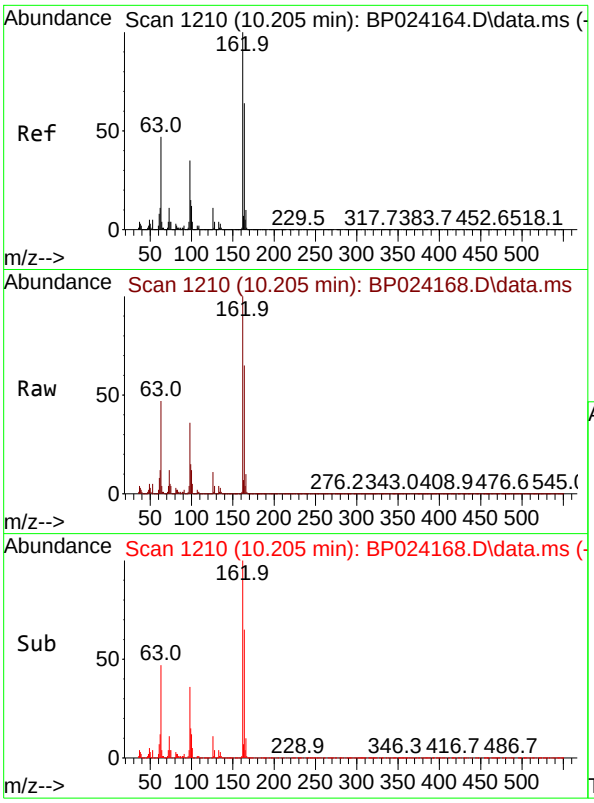


#28
bis(2-Chloroethoxy)methane
Concen: 38.608 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



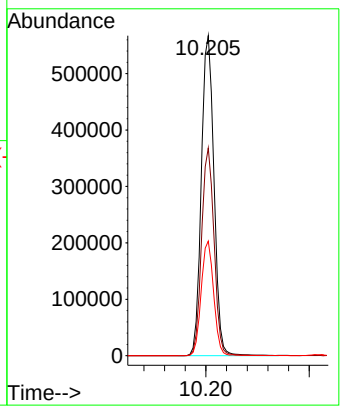


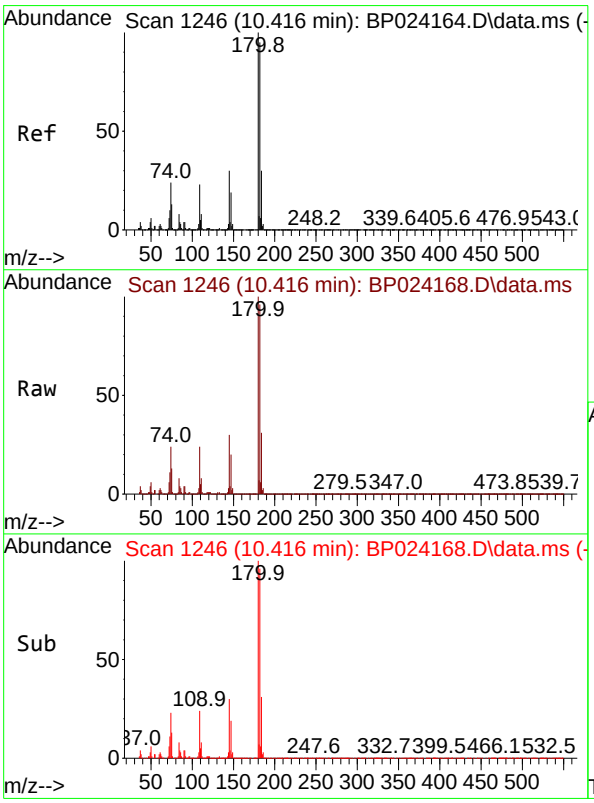
#29
2,4-Dichlorophenol
Concen: 40.558 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

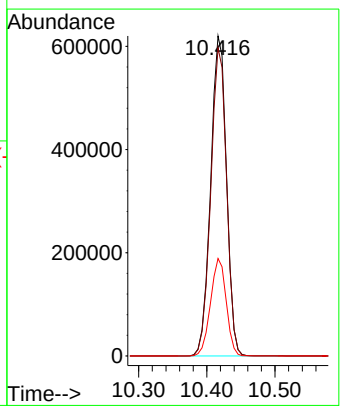


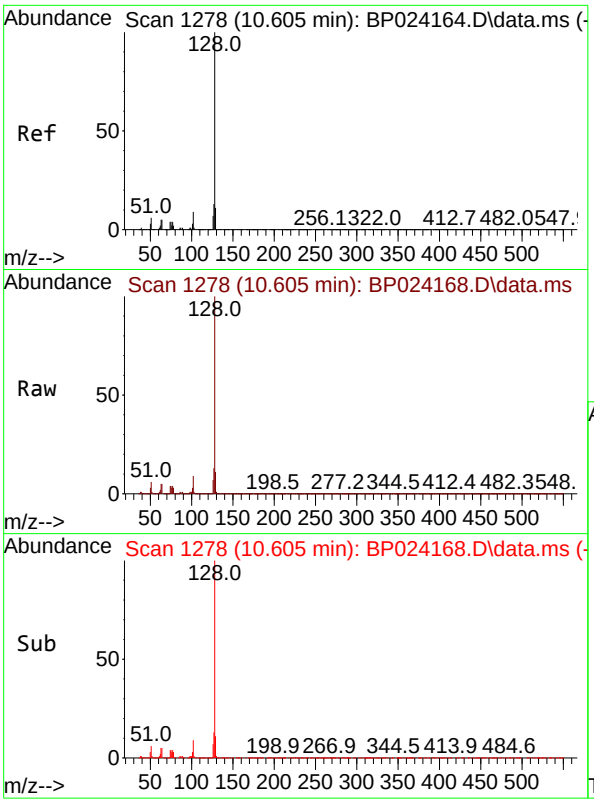


#30
1,2,4-Trichlorobenzene
Concen: 38.264 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



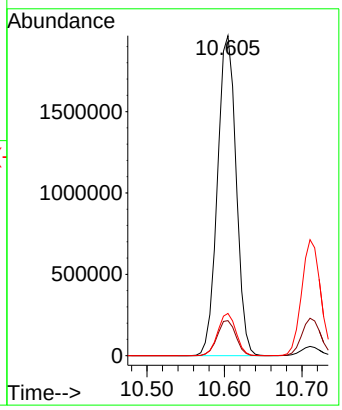


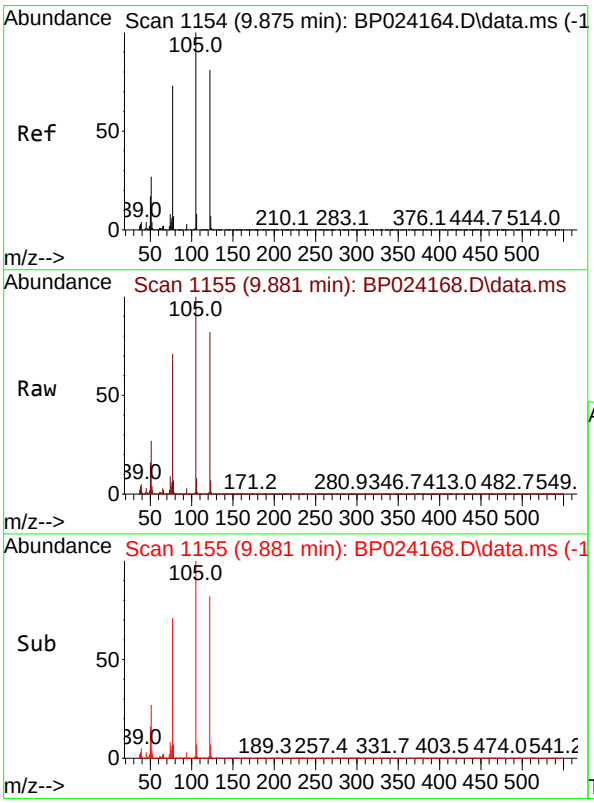
#31
Naphthalene
Concen: 38.223 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

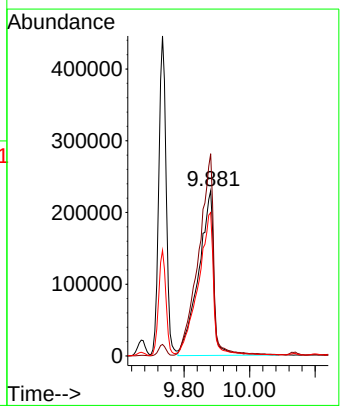


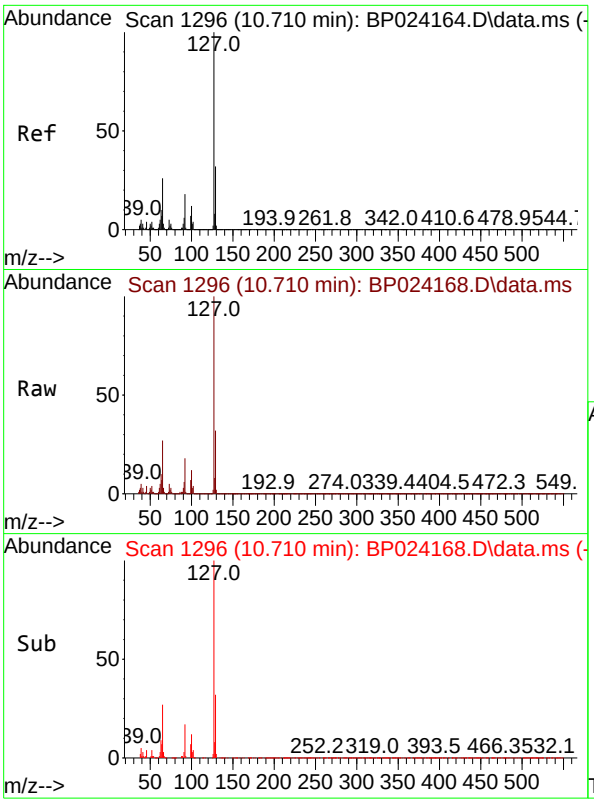


#32
Benzoic acid
Concen: 43.618 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



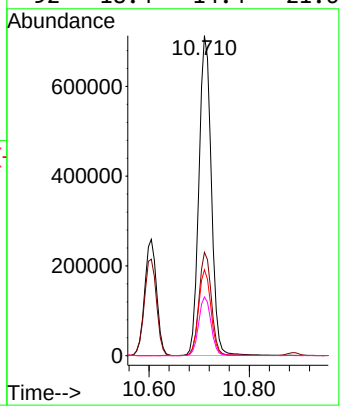


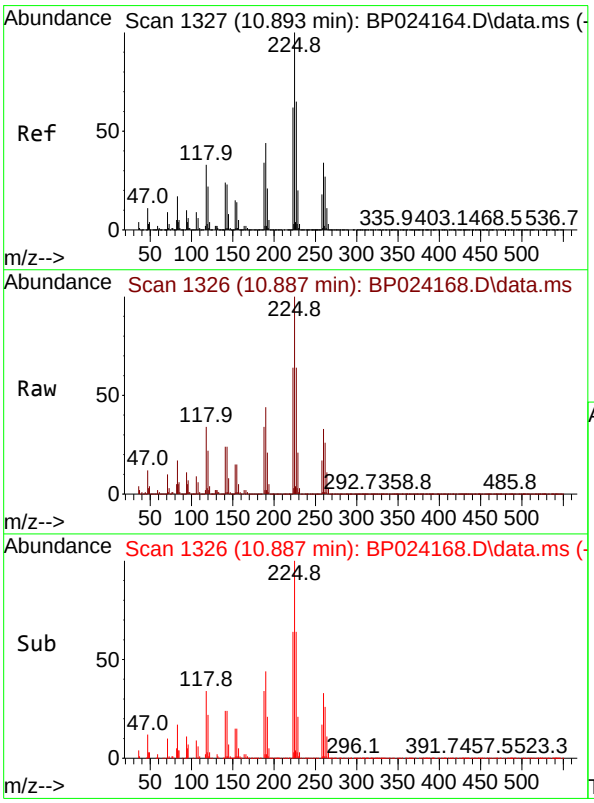
#33
4-Chloroaniline
Concen: 39.499 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

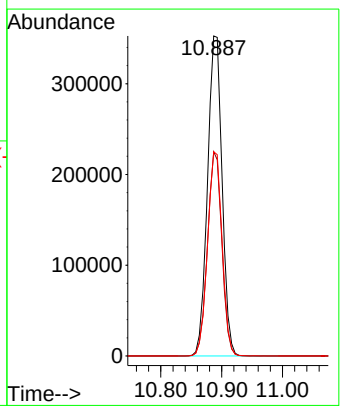


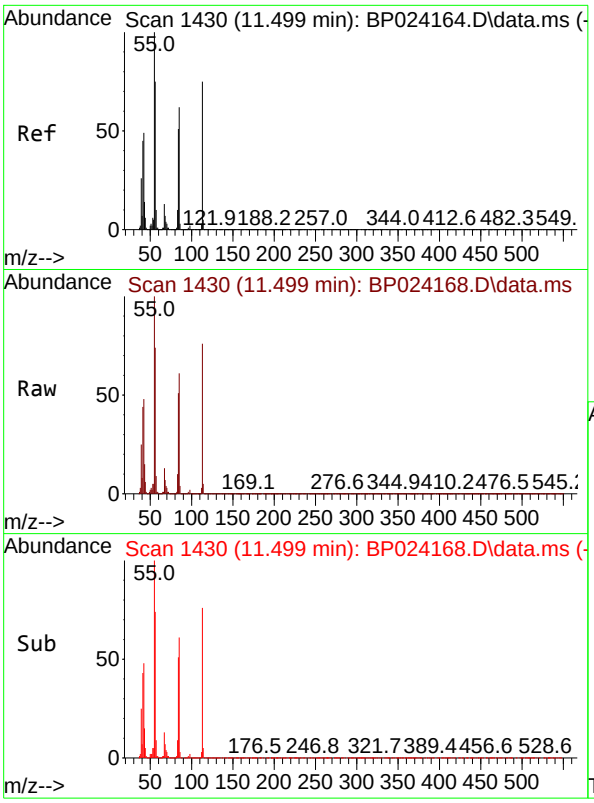


#34
Hexachlorobutadiene
Concen: 38.854 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



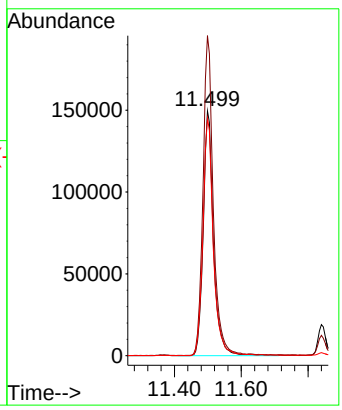


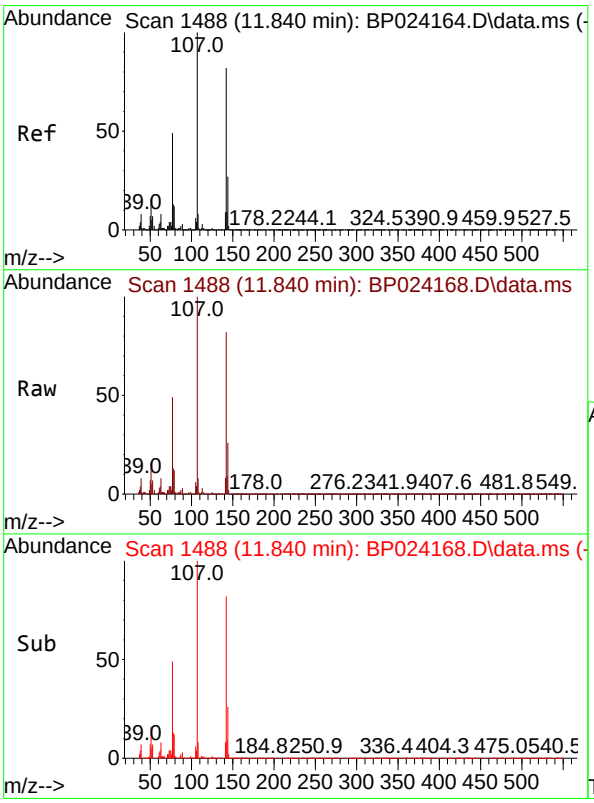
#35
Caprolactam
Concen: 40.859 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

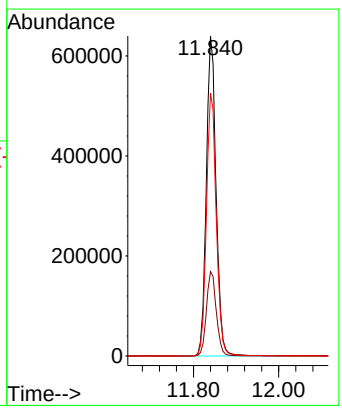


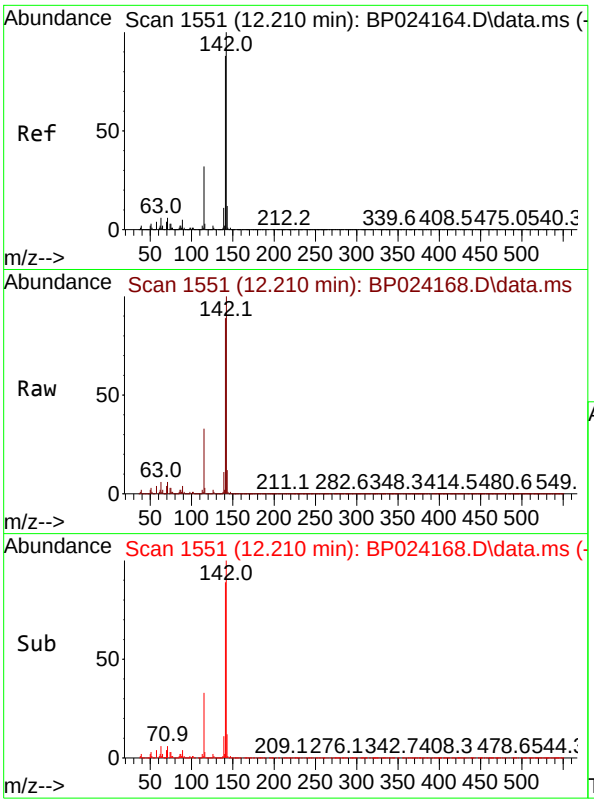


#36
4-Chloro-3-methylphenol
Concen: 39.702 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



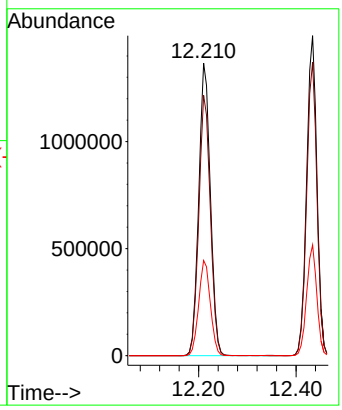


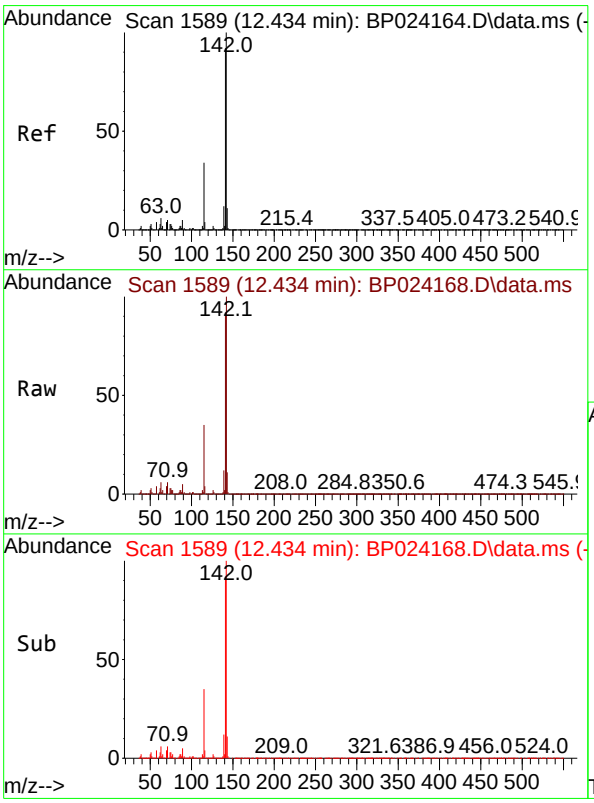
#37
2-Methylnaphthalene
Concen: 38.762 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

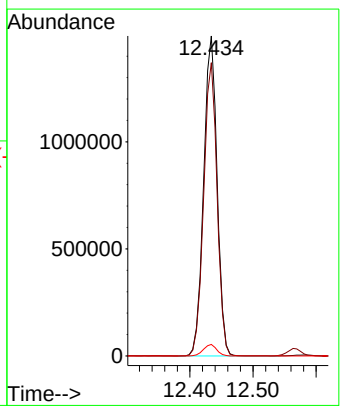


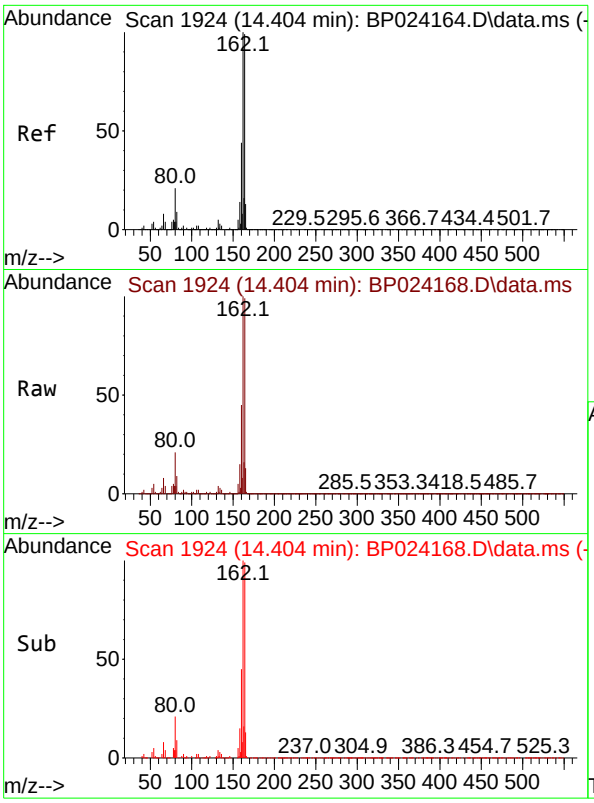


#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



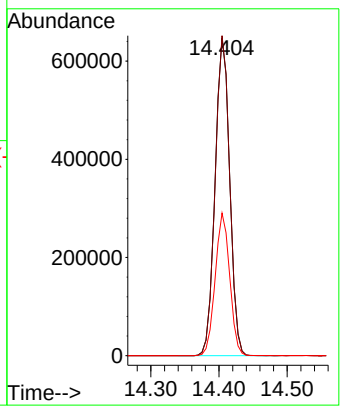


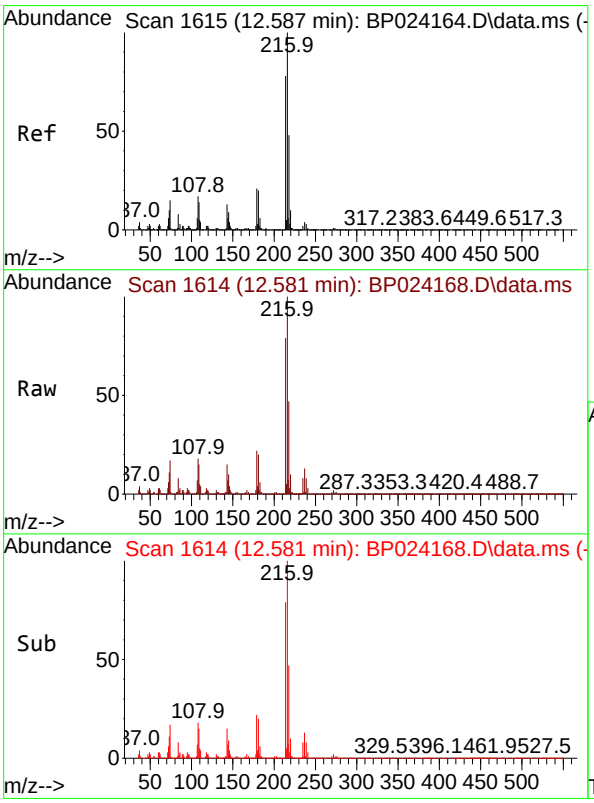
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

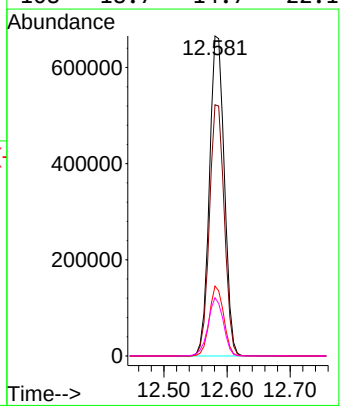


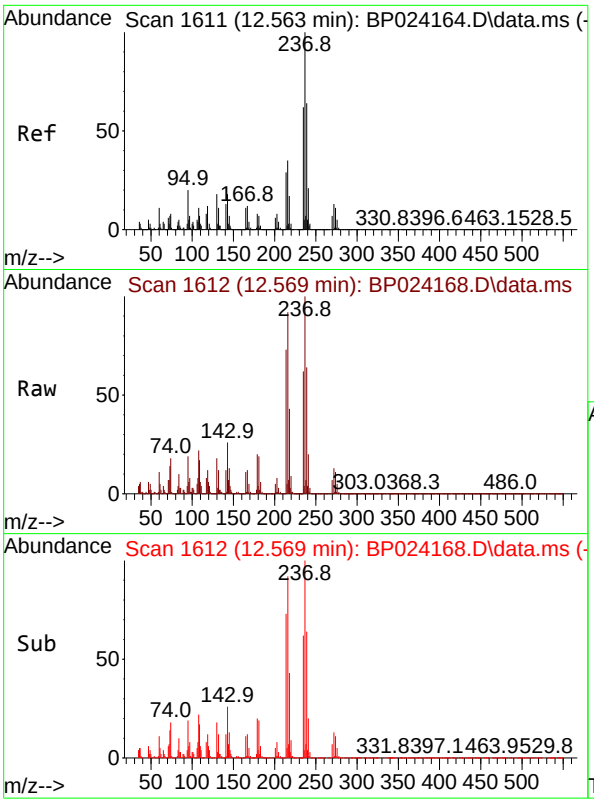


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.988 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



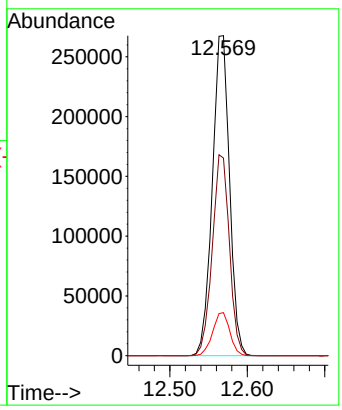


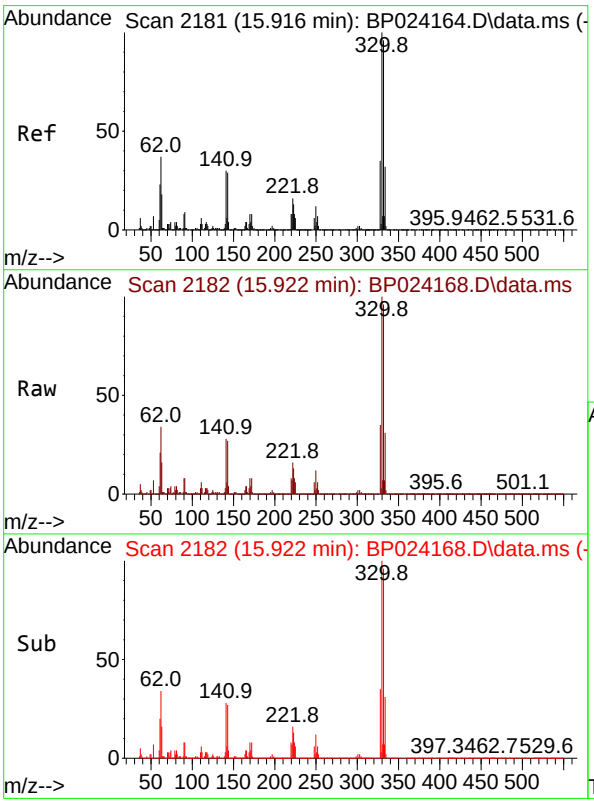
#41
Hexachlorocyclopentadiene
Concen: 41.026 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

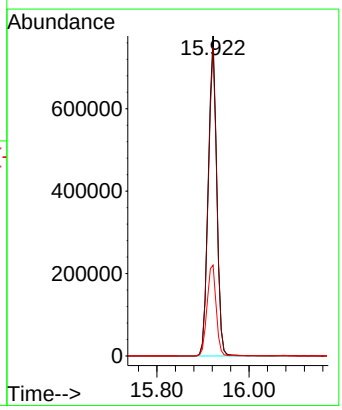


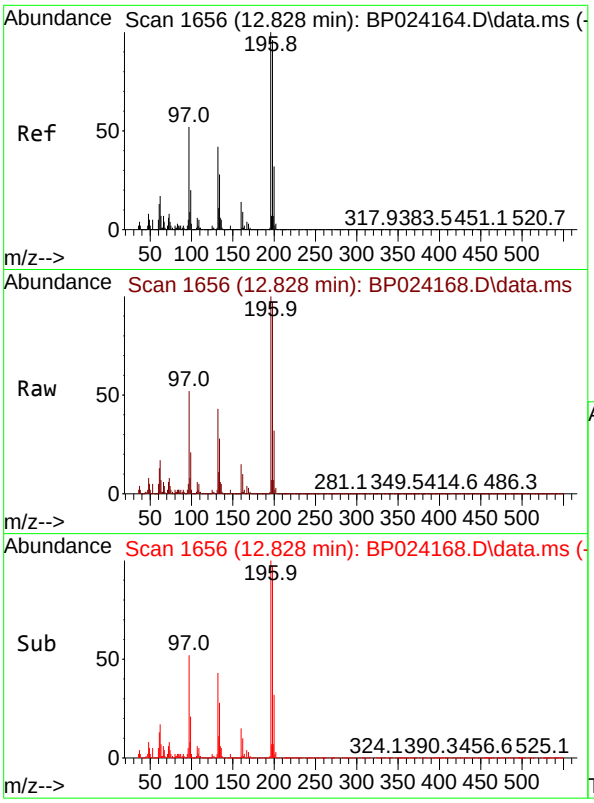


#42
2,4,6-Tribromophenol
Concen: 81.766 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



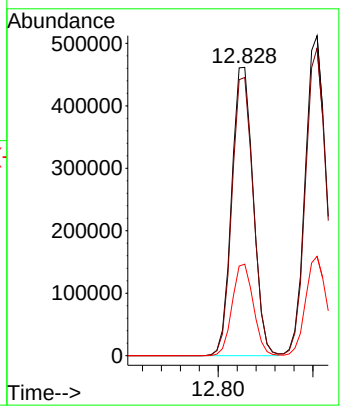


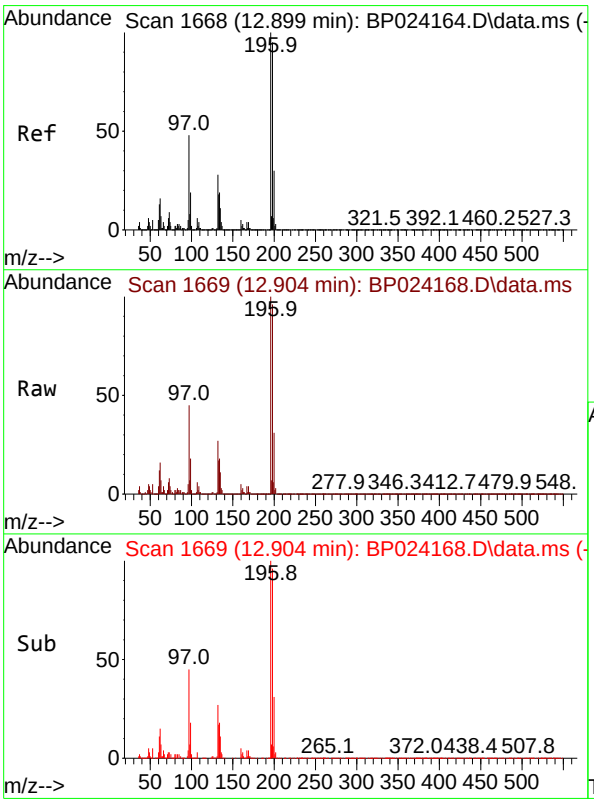
#43
2,4,6-Trichlorophenol
Concen: 40.950 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

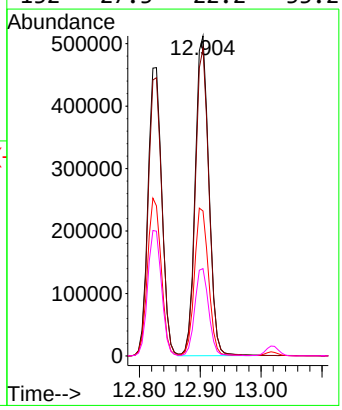


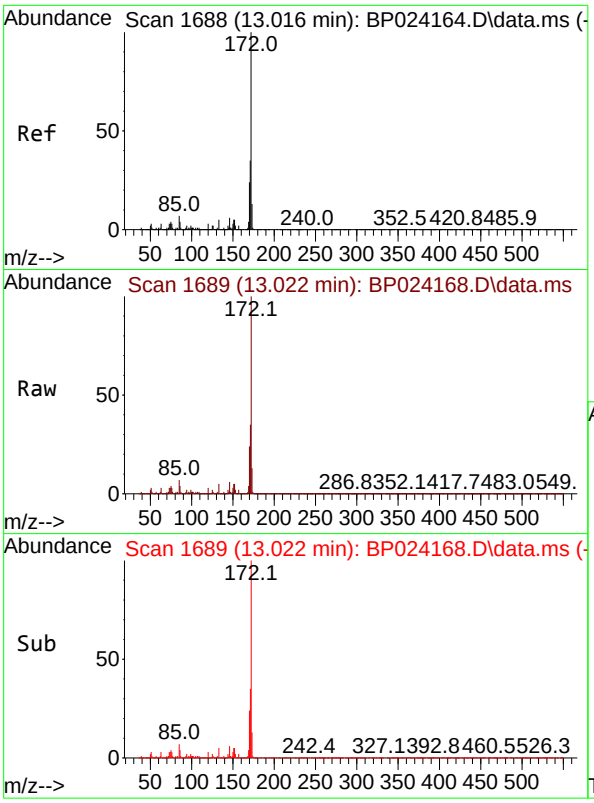


#44
2,4,5-Trichlorophenol
Concen: 40.985 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



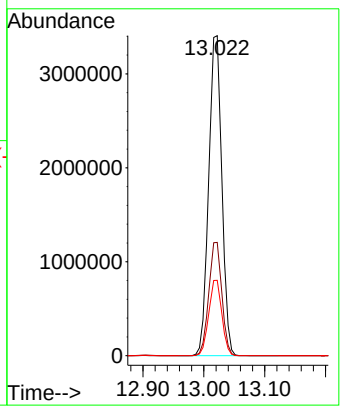


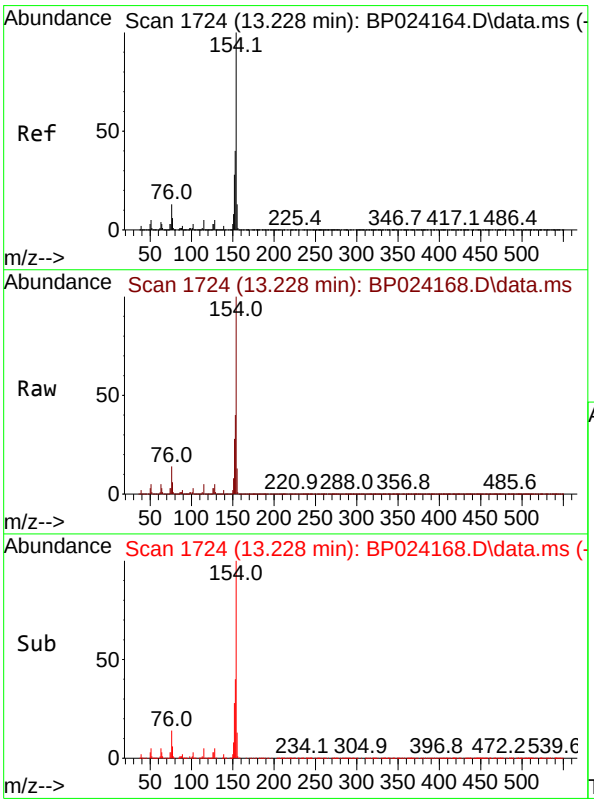
#45
2-Fluorobiphenyl
Concen: 77.885 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

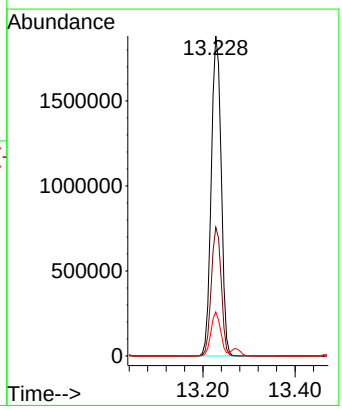


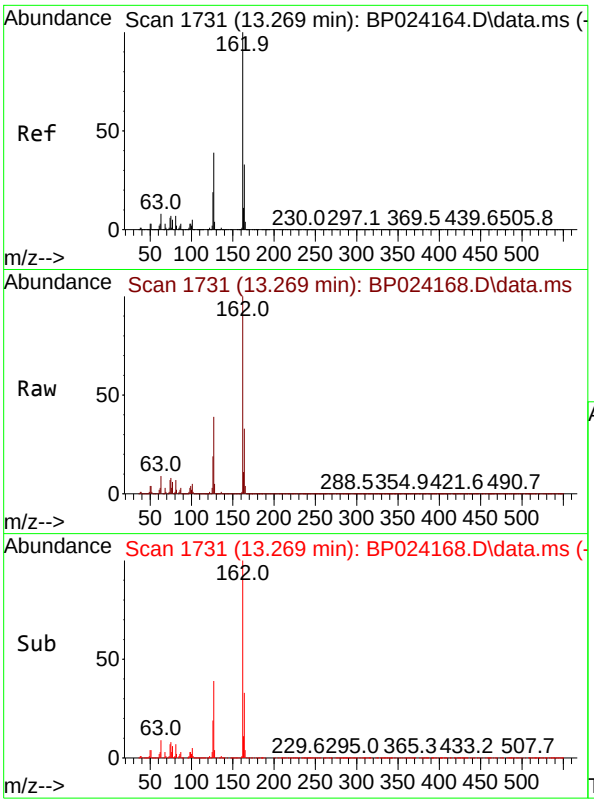


#46
1,1'-Biphenyl
Concen: 38.846 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



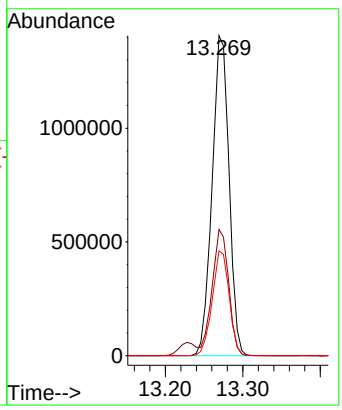


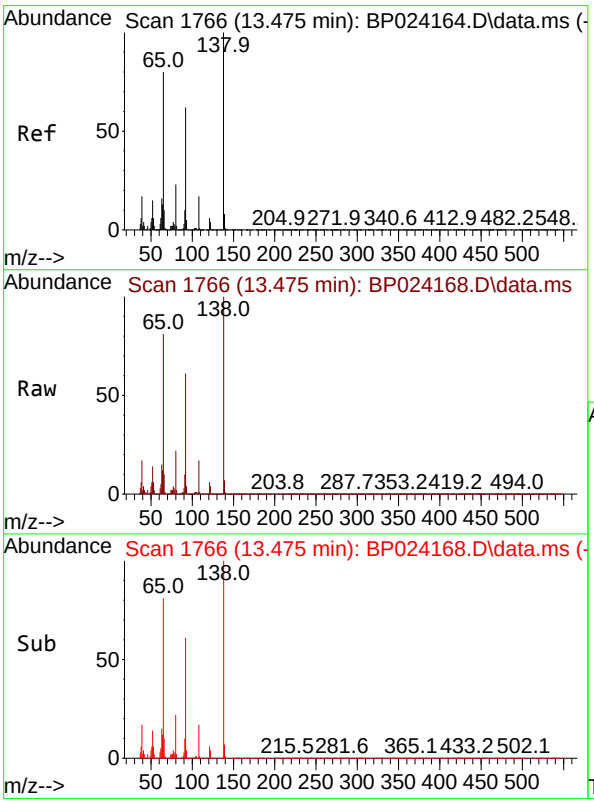
#47
2-Chloronaphthalene
Concen: 39.006 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

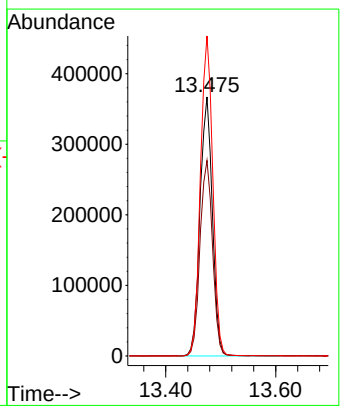


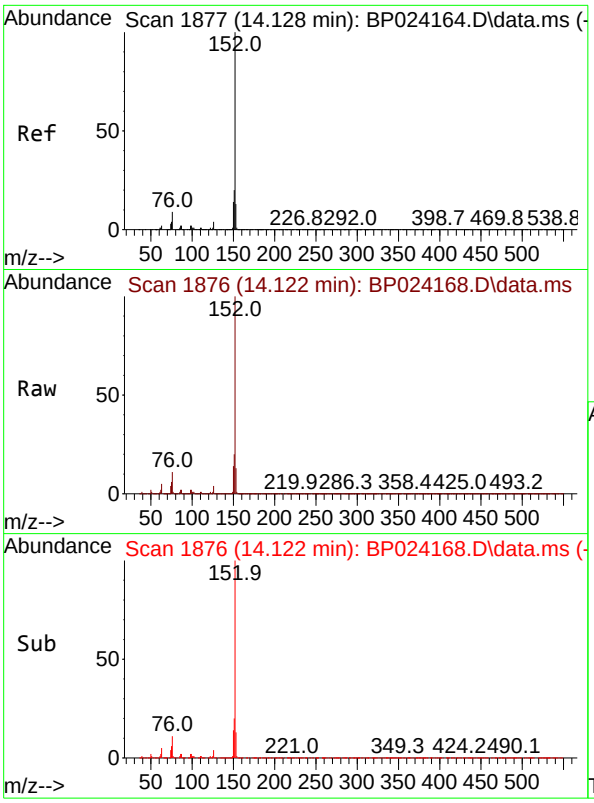


#48
2-Nitroaniline
Concen: 41.137 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



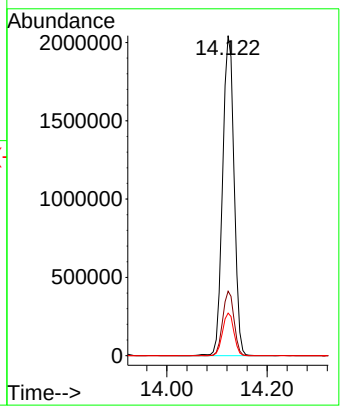


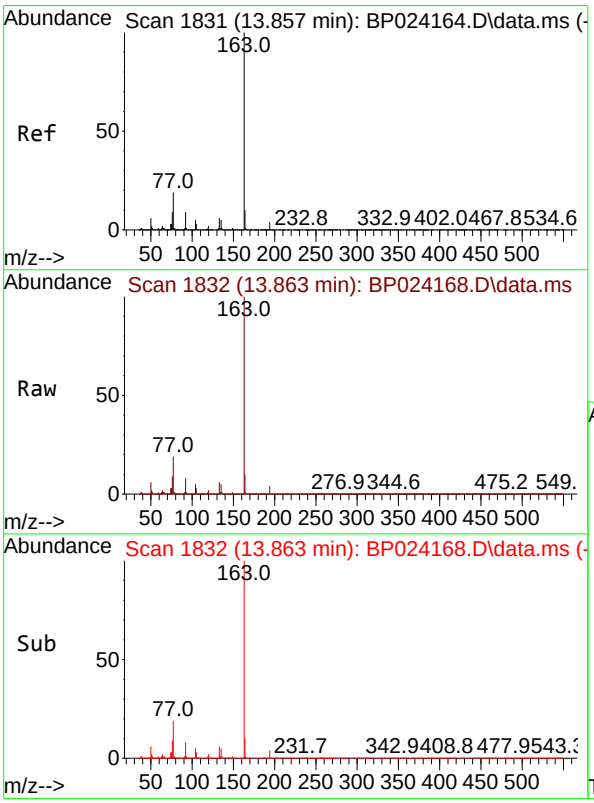
#49
Acenaphthylene
Concen: 39.262 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

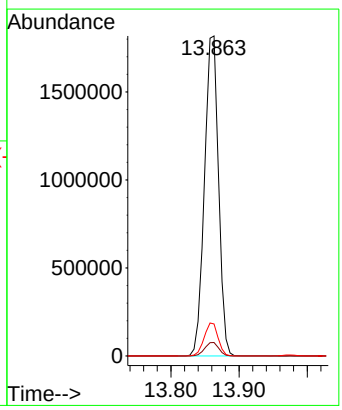


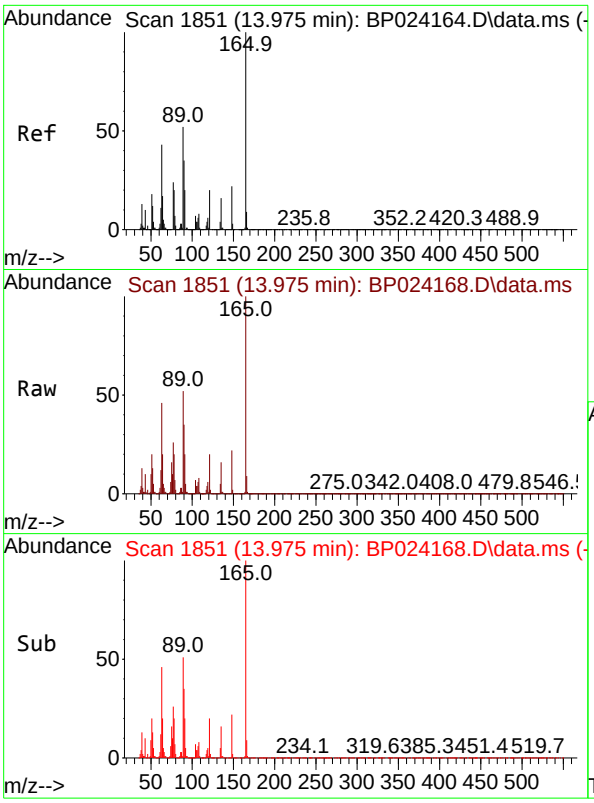


#50
Dimethylphthalate
Concen: 38.548 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



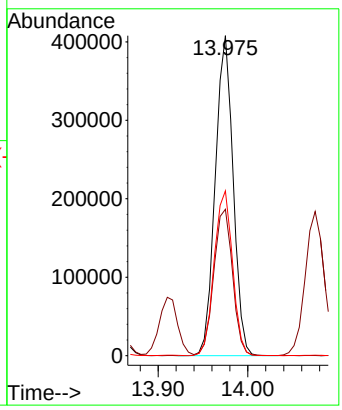


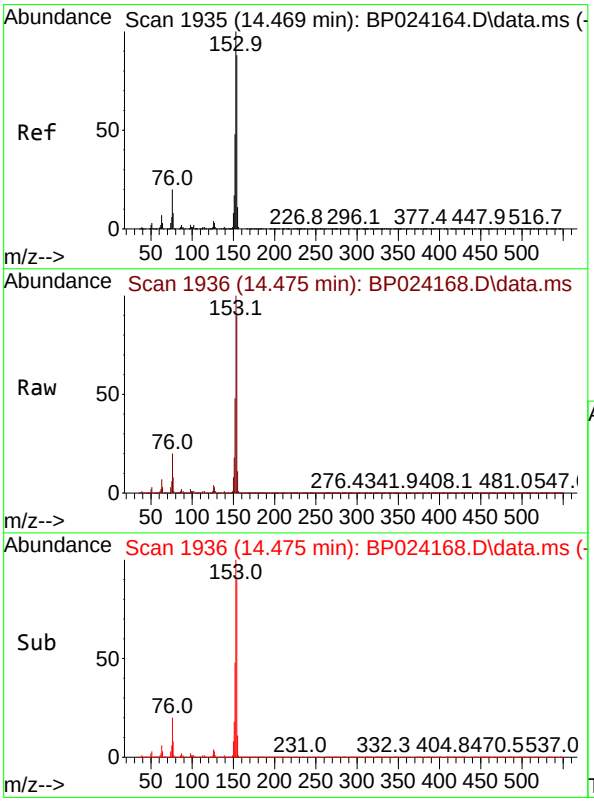
#51
2,6-Dinitrotoluene
Concen: 39.611 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

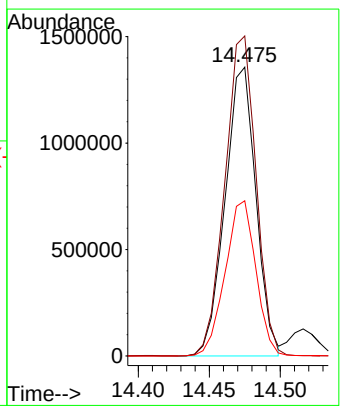


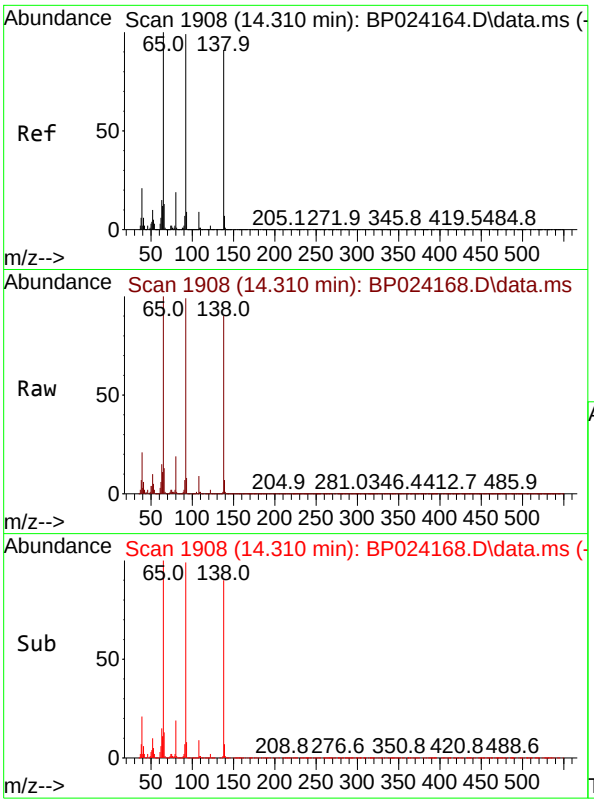


#52
Acenaphthene
Concen: 38.881 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



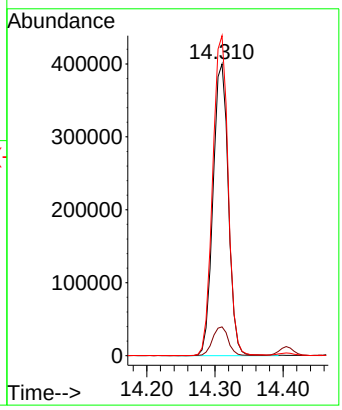


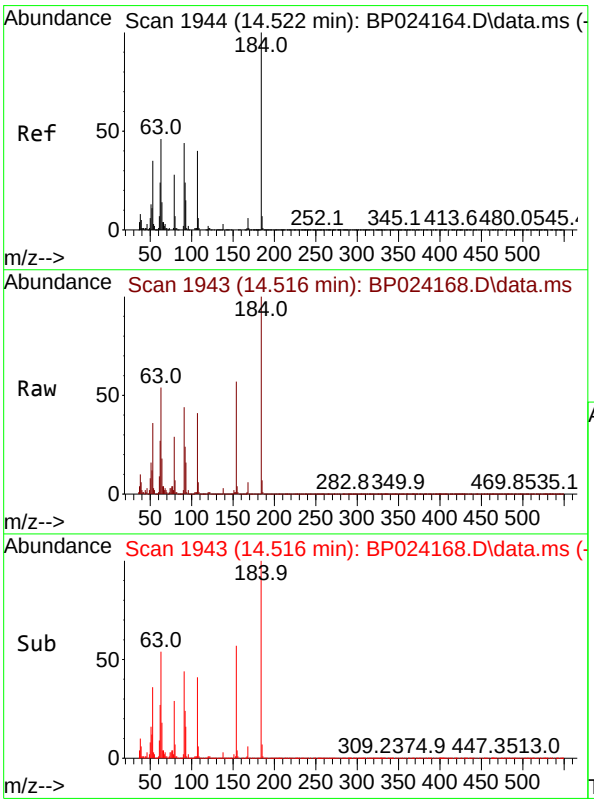
#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

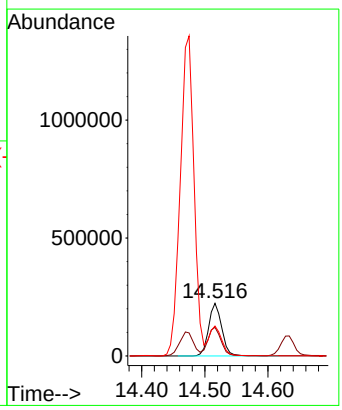


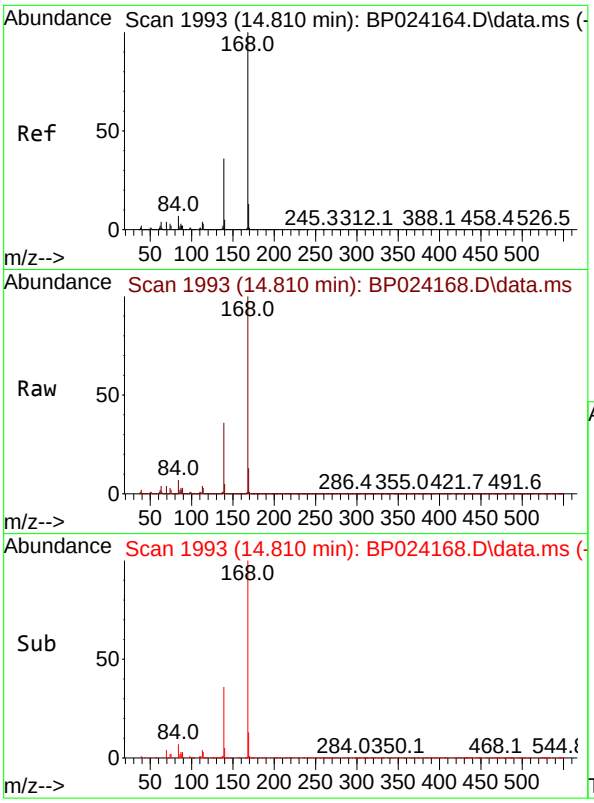


#54
2,4-Dinitrophenol
Concen: 42.791 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



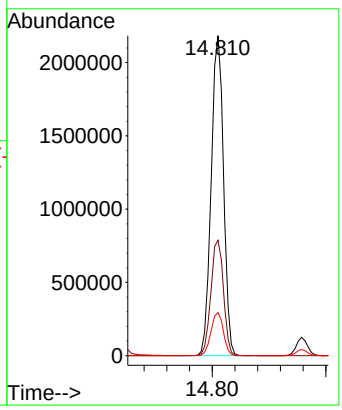


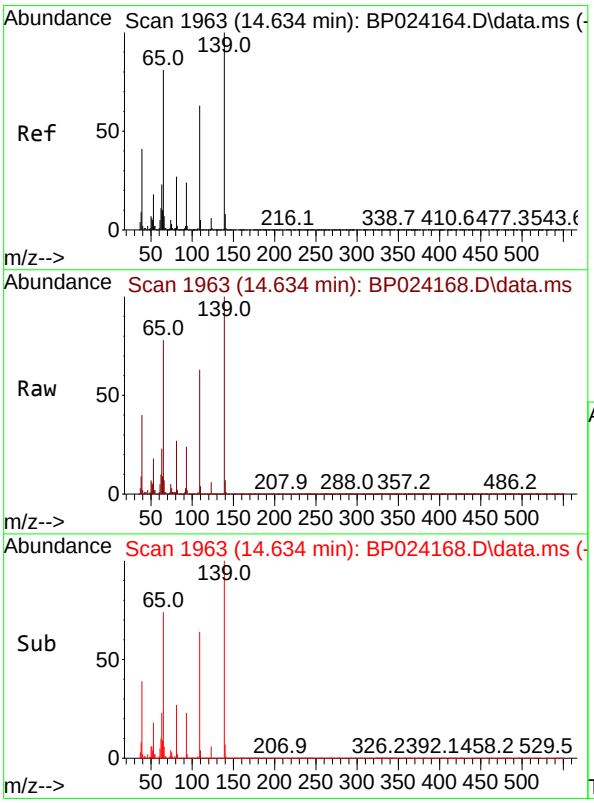
#55
Dibenzofuran
Concen: 38.264 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

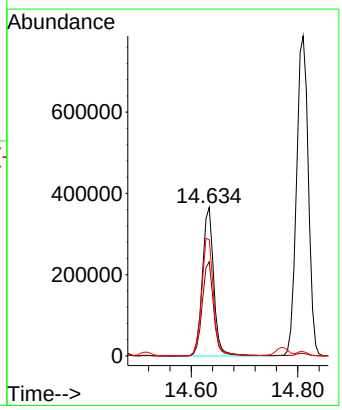


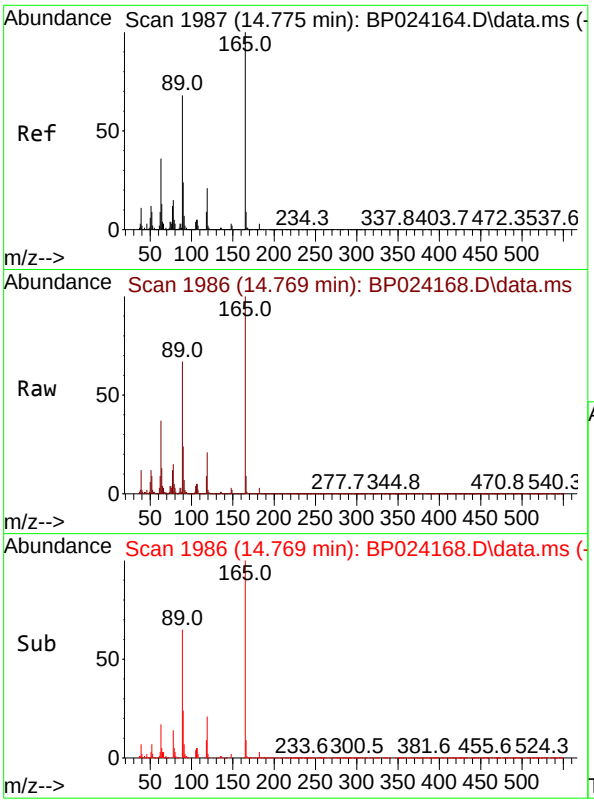


#56
4-Nitrophenol
Concen: 42.293 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



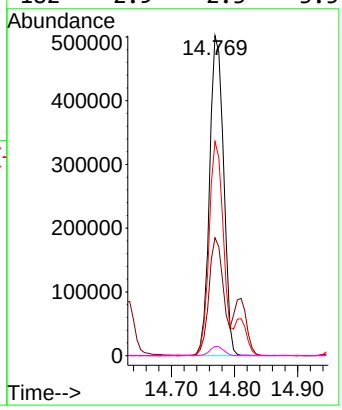


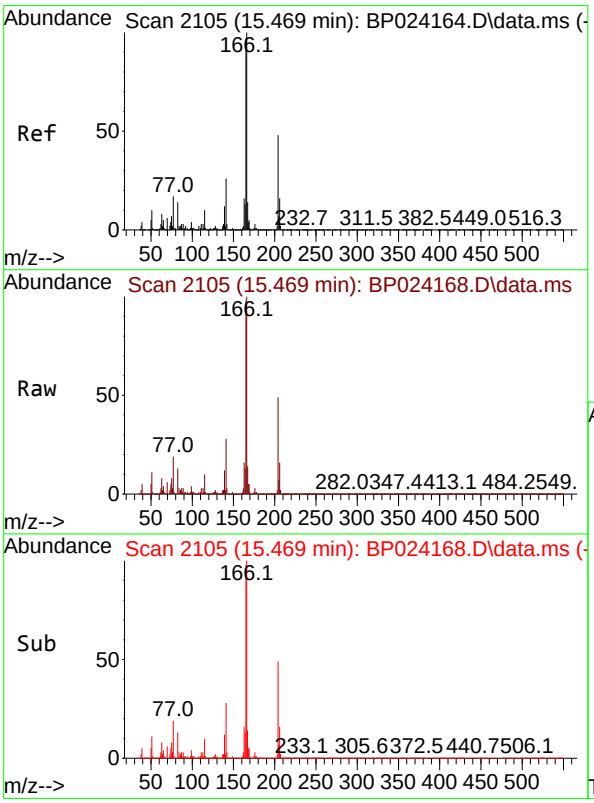
#57
2,4-Dinitrotoluene
Concen: 41.106 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

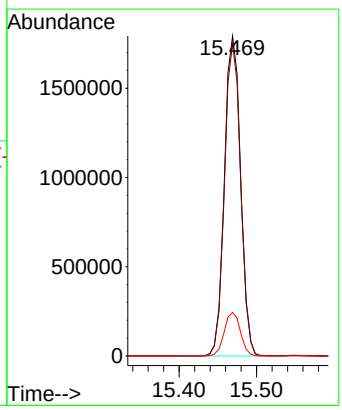


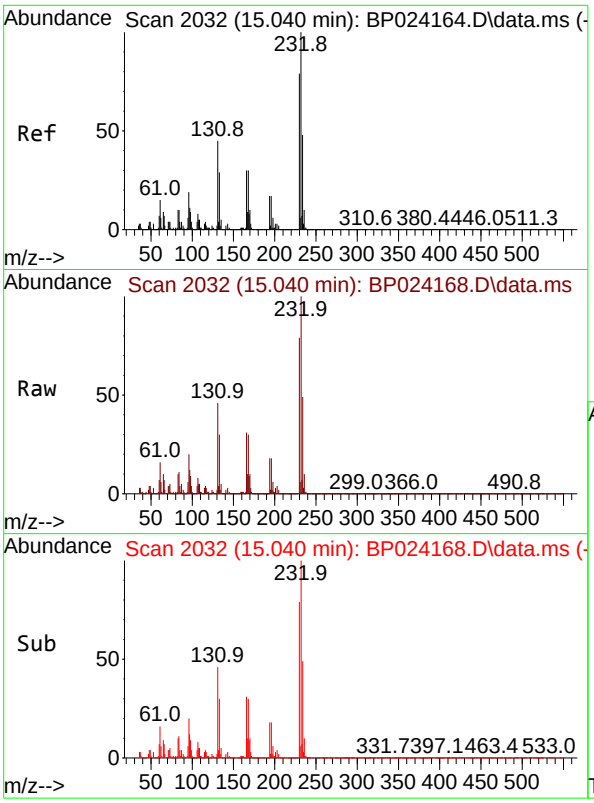


#58
Fluorene
Concen: 39.061 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



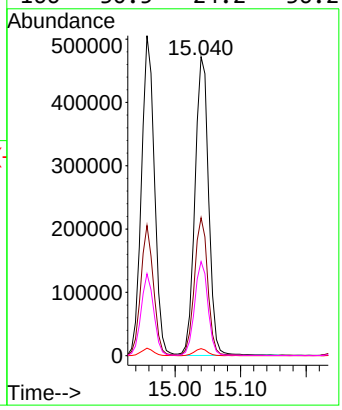


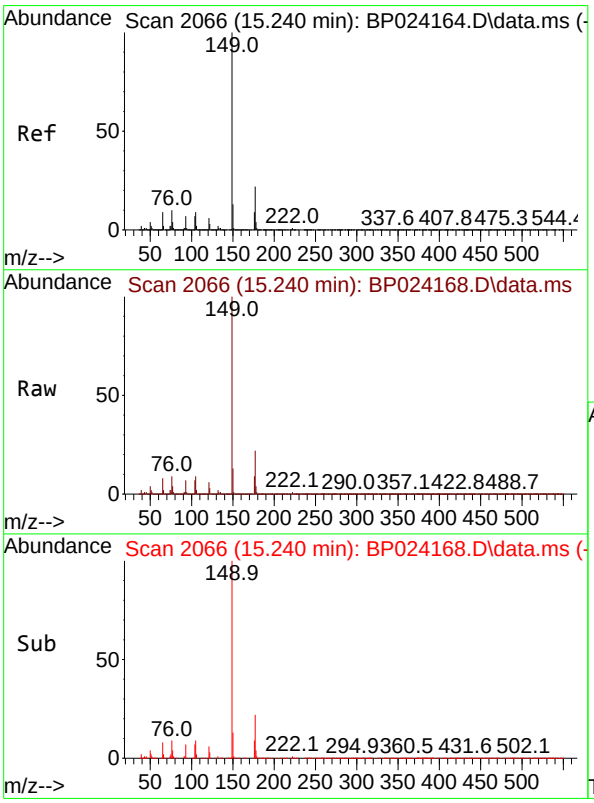
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.844 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

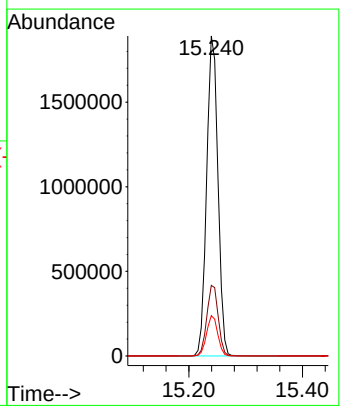


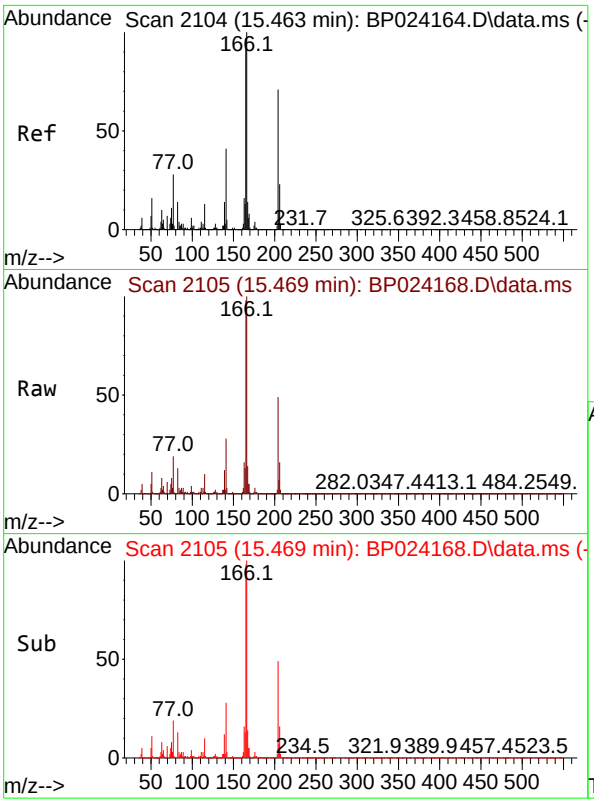


#60
Diethylphthalate
Concen: 38.539 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



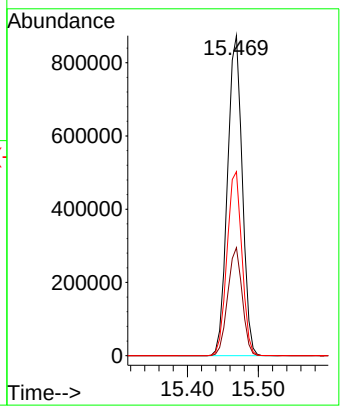


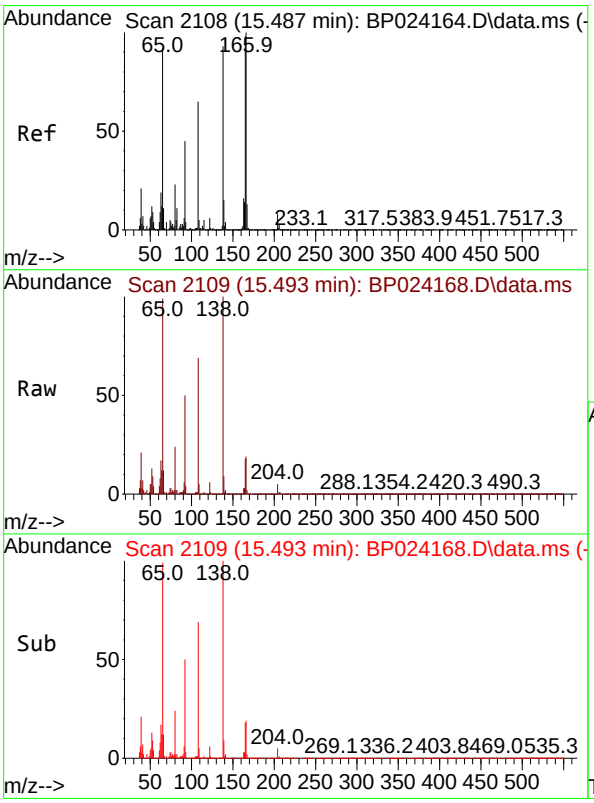
#61
4-Chlorophenyl-phenylether
Concen: 38.572 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

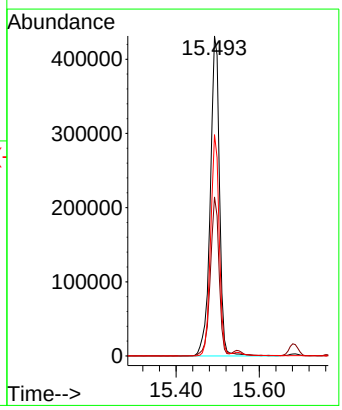


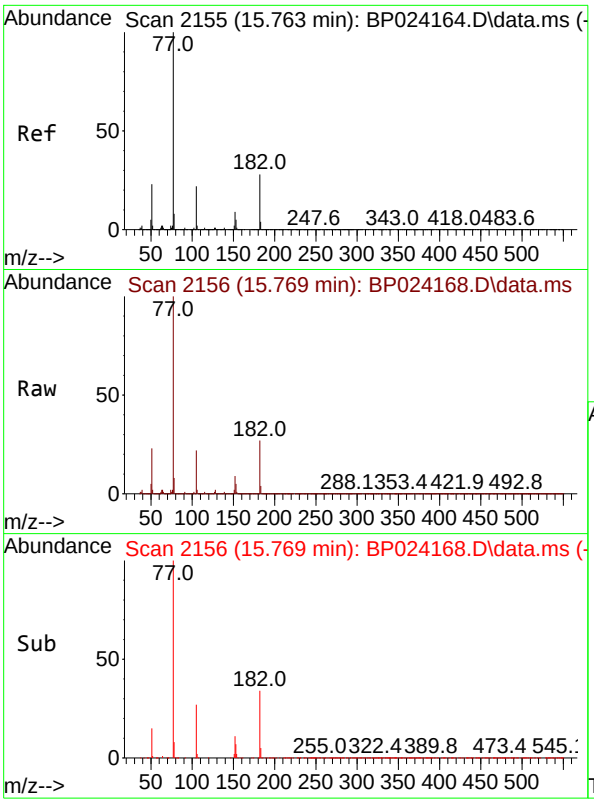


#62
4-Nitroaniline
Concen: 41.253 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



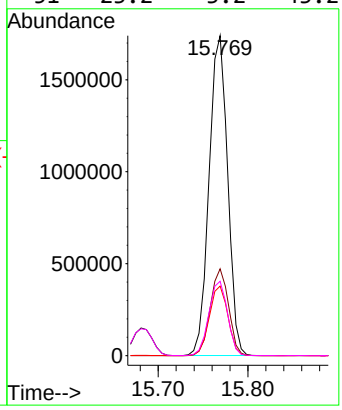


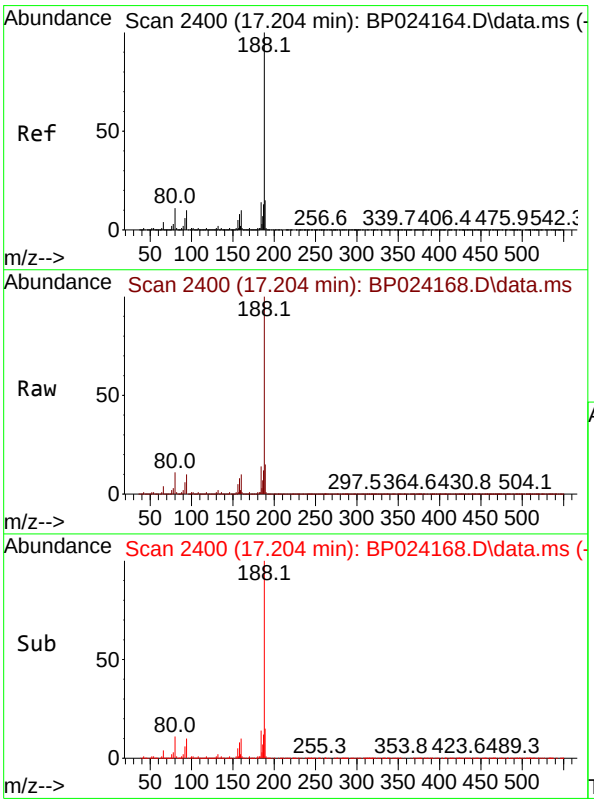
#63
Azobenzene
Concen: 39.347 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

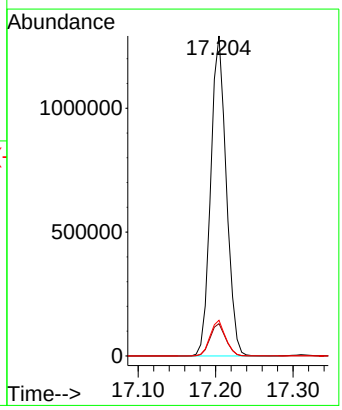


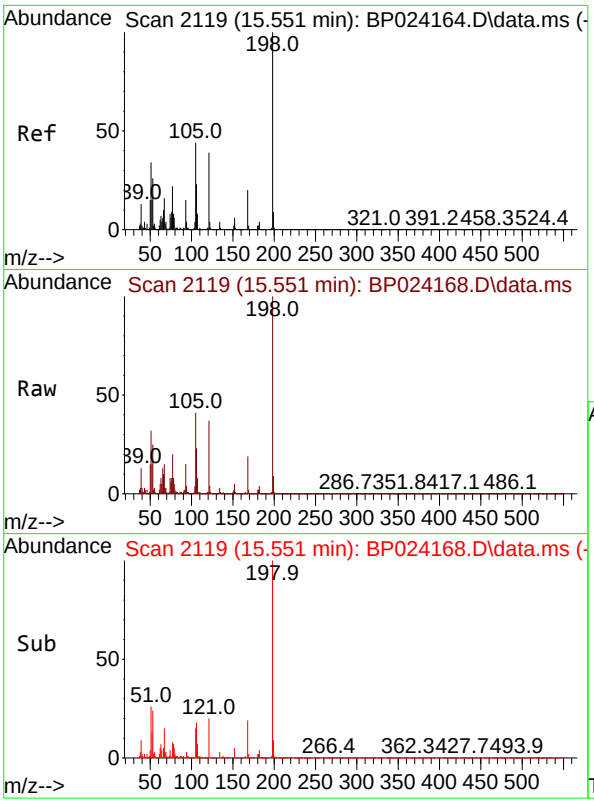


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



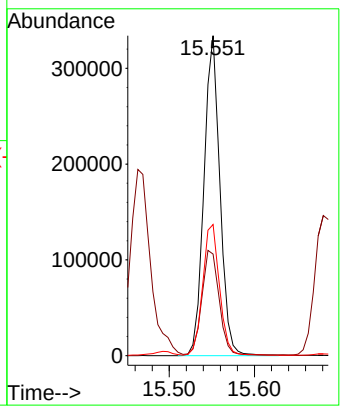


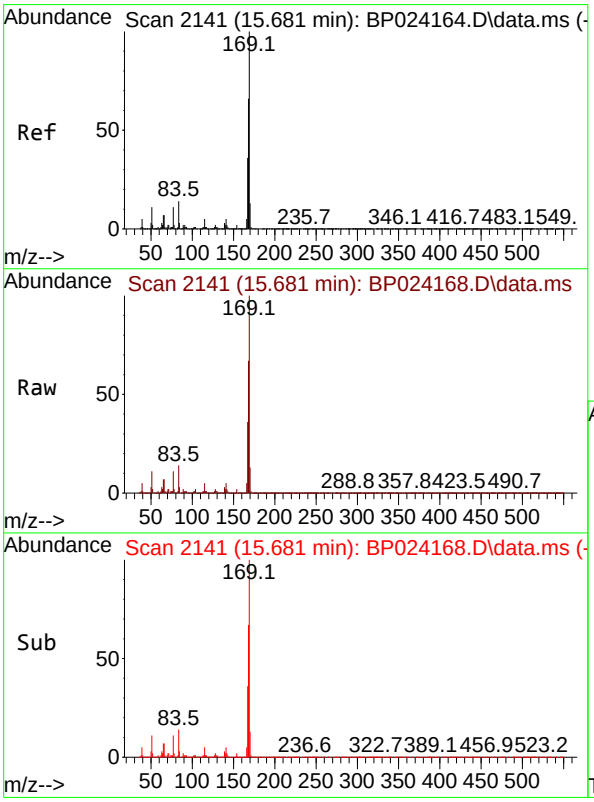
#65
4,6-Dinitro-2-methylphenol
Concen: 40.442 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

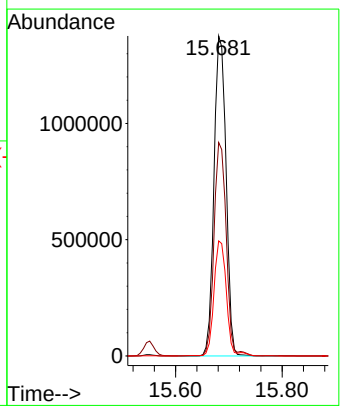


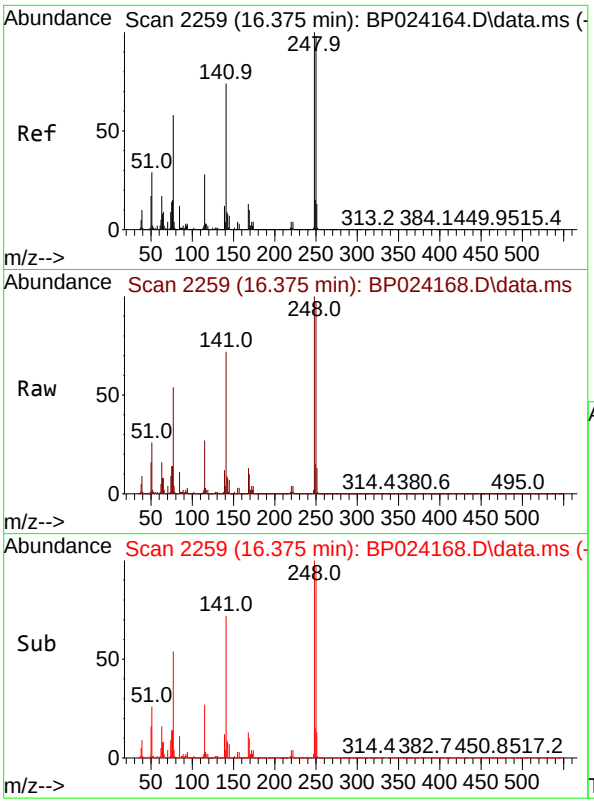


#66
n-Nitrosodiphenylamine
Concen: 39.234 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



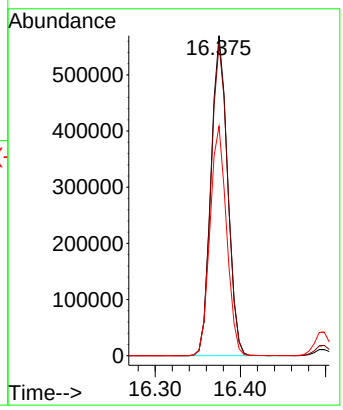


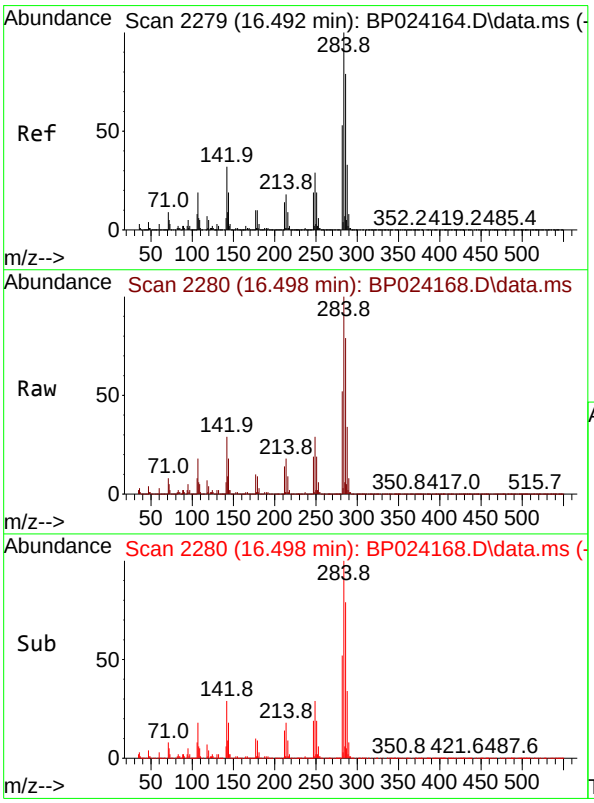
#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

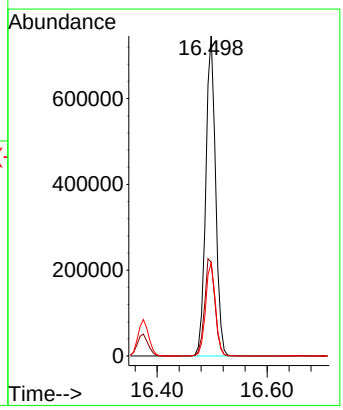


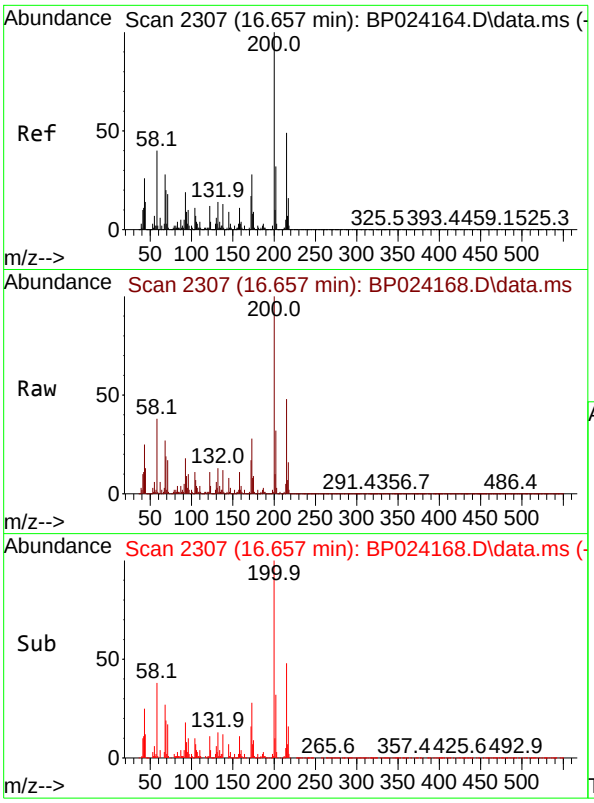


#68
Hexachlorobenzene
Concen: 39.073 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



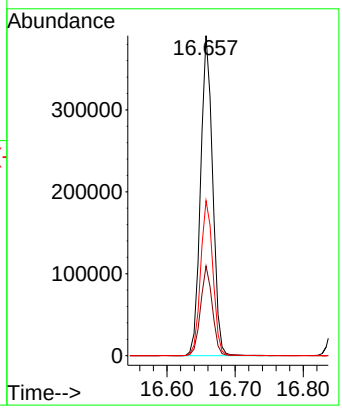


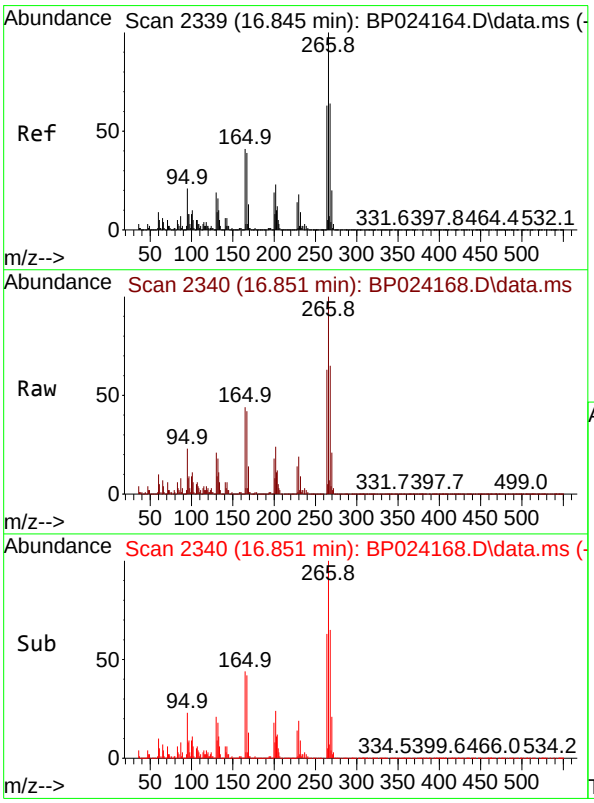
#69
Atrazine
Concen: 36.287 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

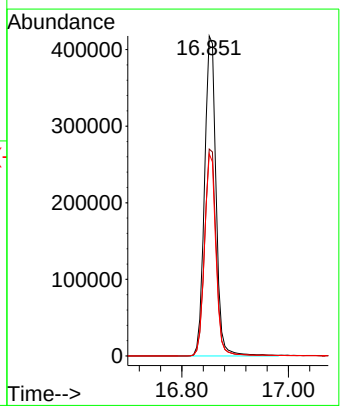


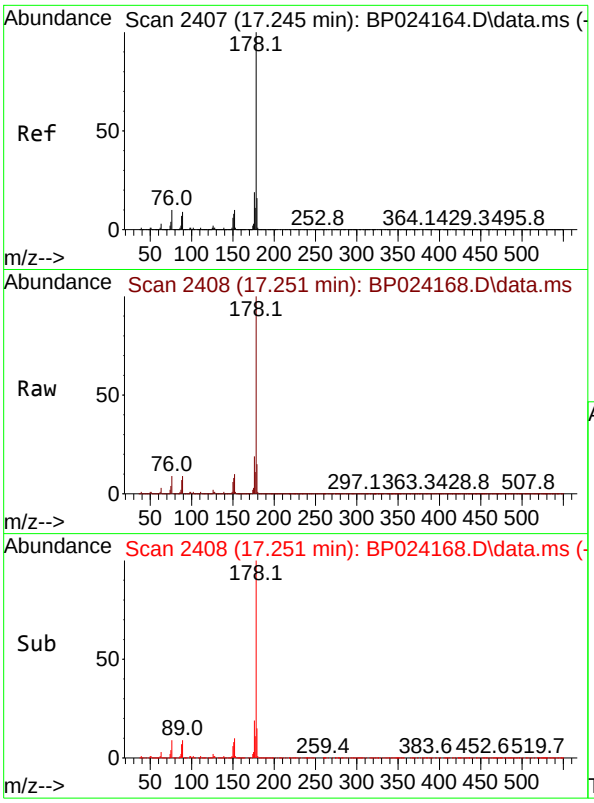


#70
Pentachlorophenol
Concen: 41.161 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



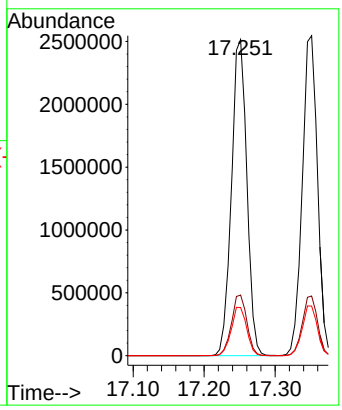


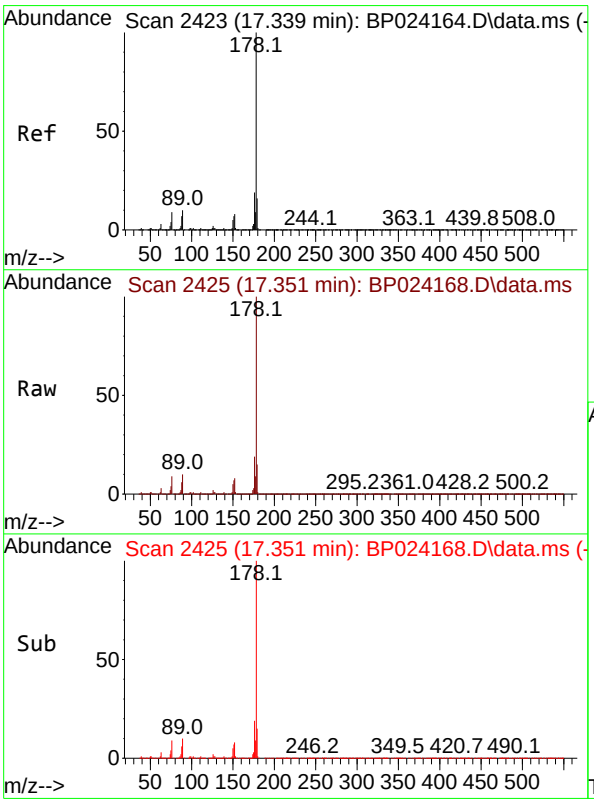
#71
Phenanthrene
Concen: 38.379 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

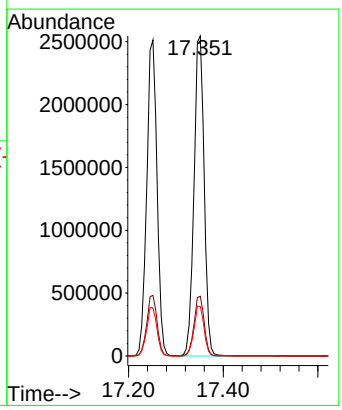


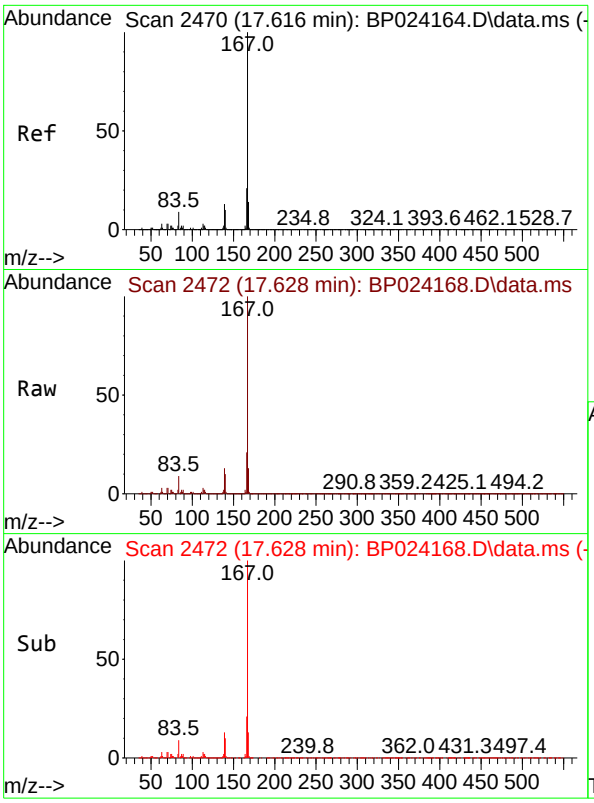


#72
Anthracene
Concen: 39.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



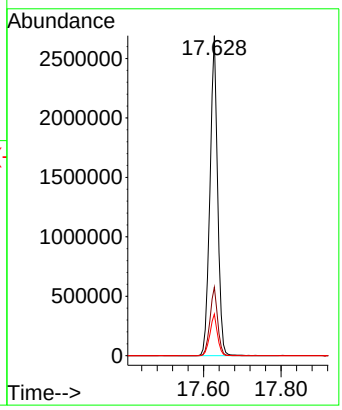


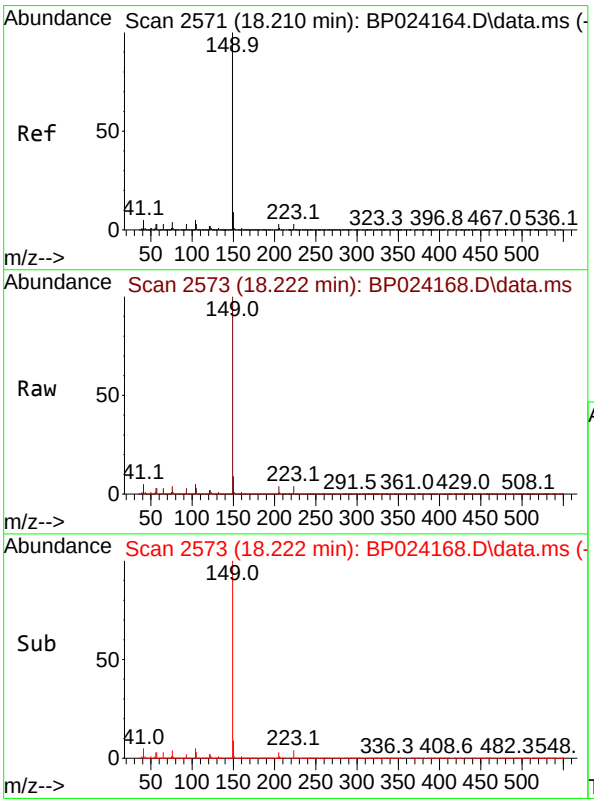
#73
Carbazole
Concen: 39.665 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

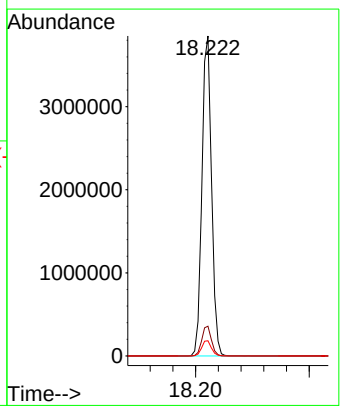


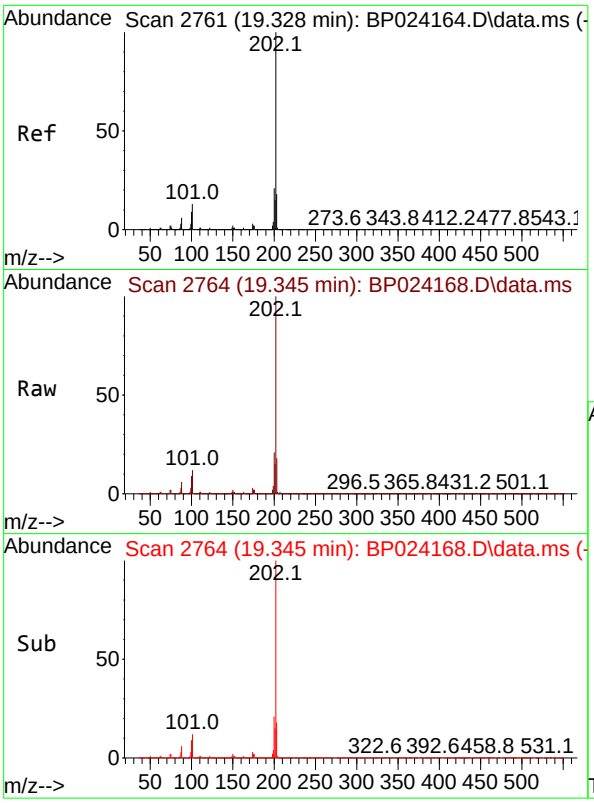


#74
Di-n-butylphthalate
Concen: 40.866 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



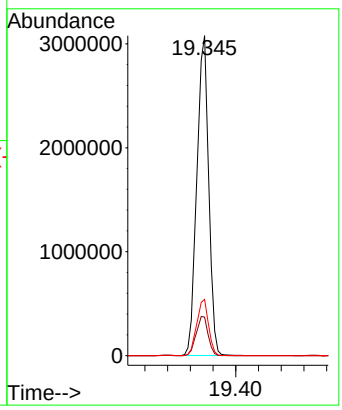


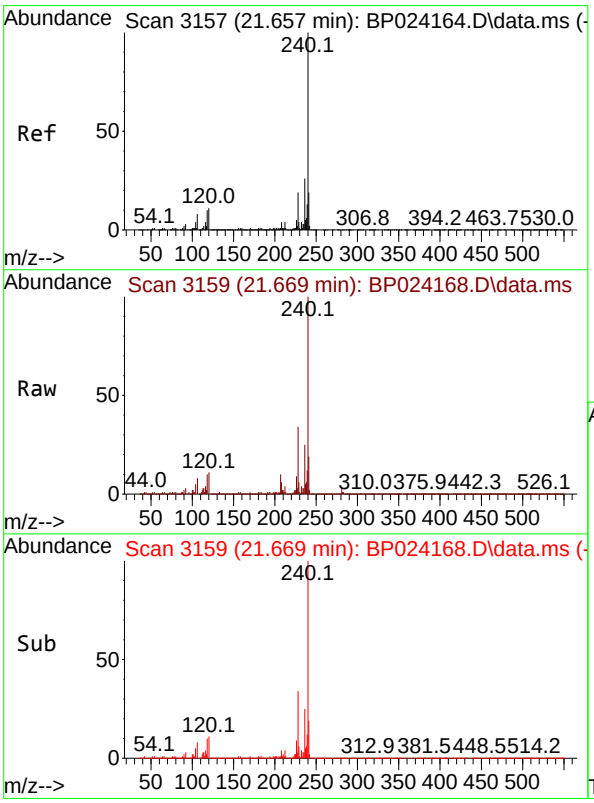
#75
Fluoranthene
Concen: 39.006 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

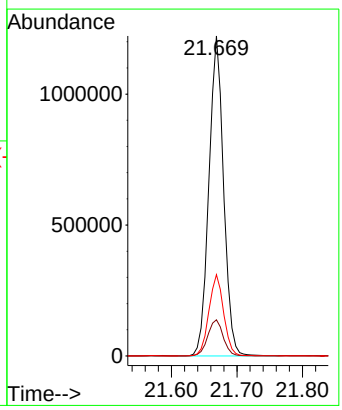


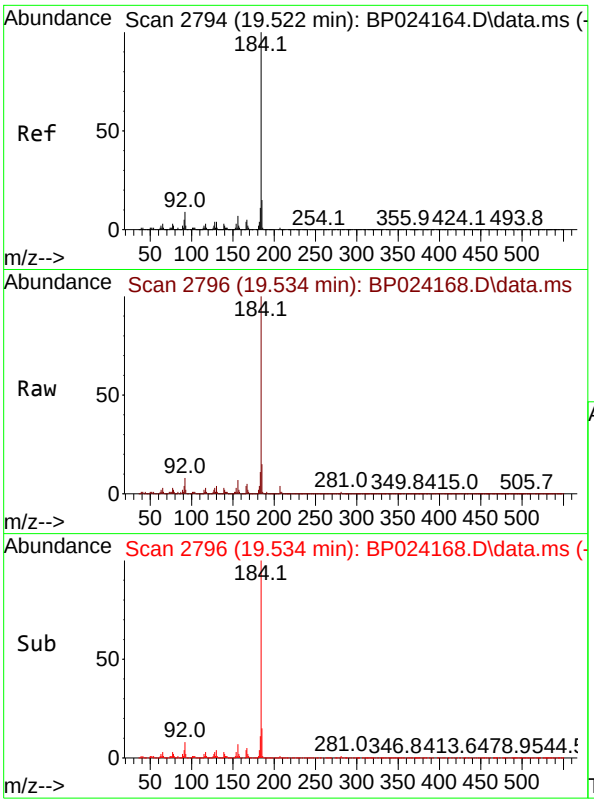


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



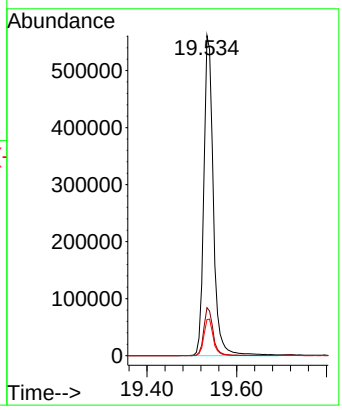


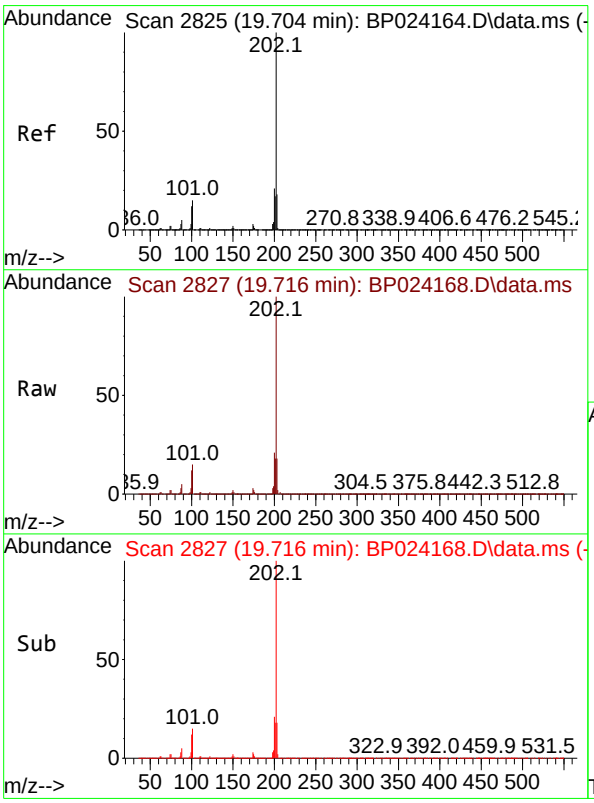
#77
Benzidine
Concen: 39.777 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

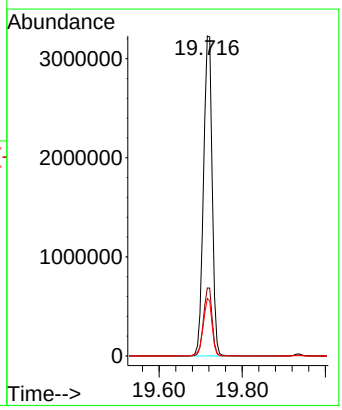


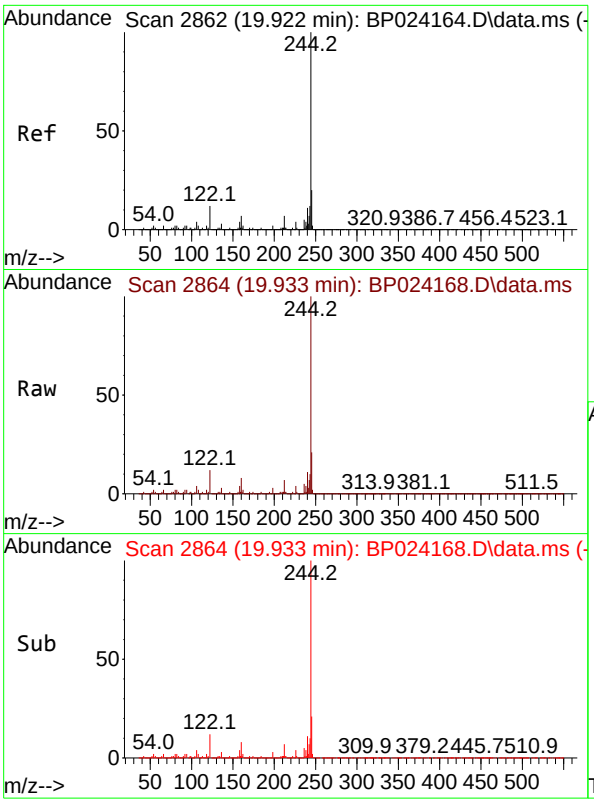


#78
Pyrene
Concen: 39.565 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



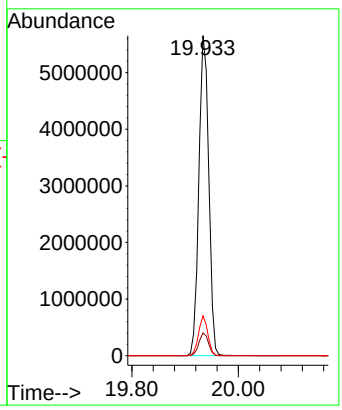


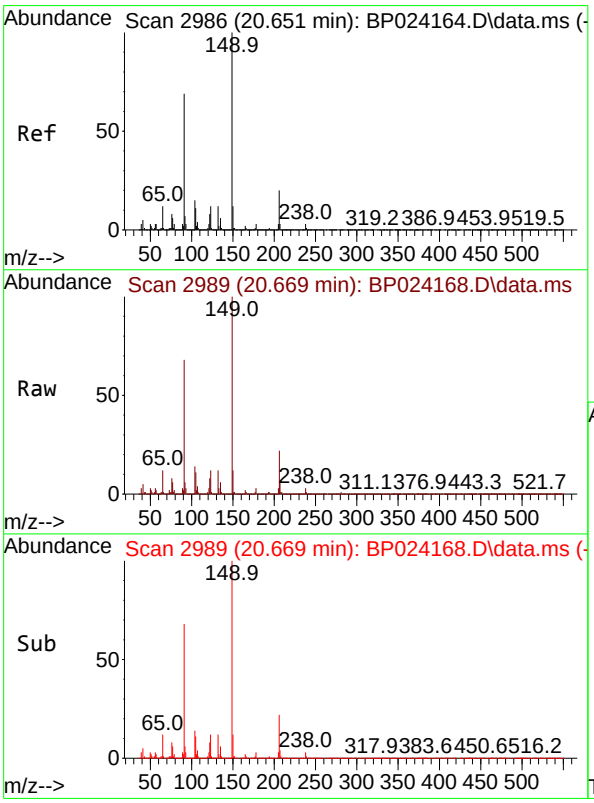
#79
Terphenyl-d14
Concen: 78.549 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

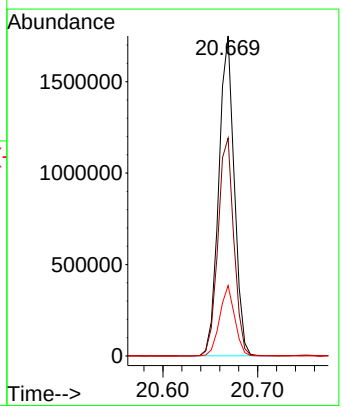


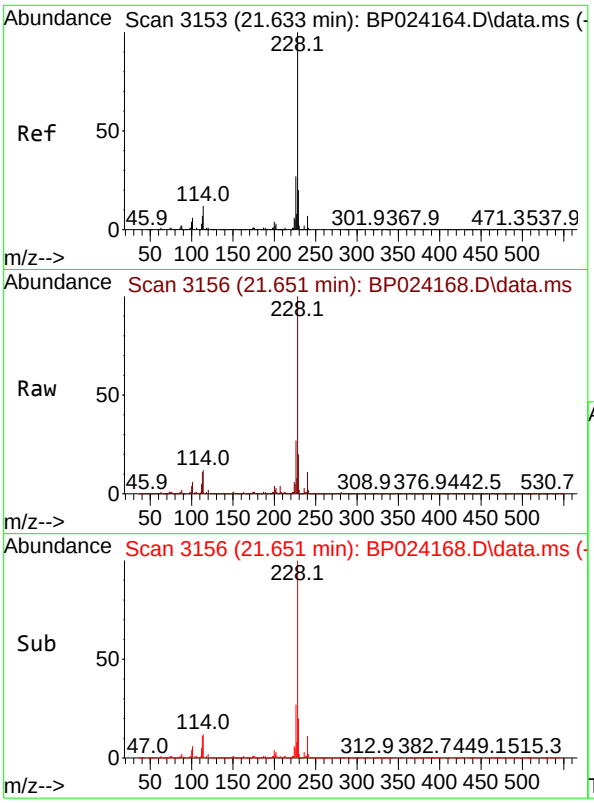


#80
Butylbenzylphthalate
Concen: 40.824 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



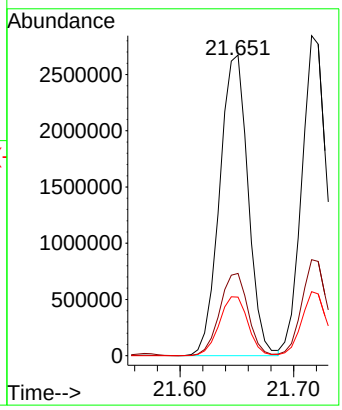


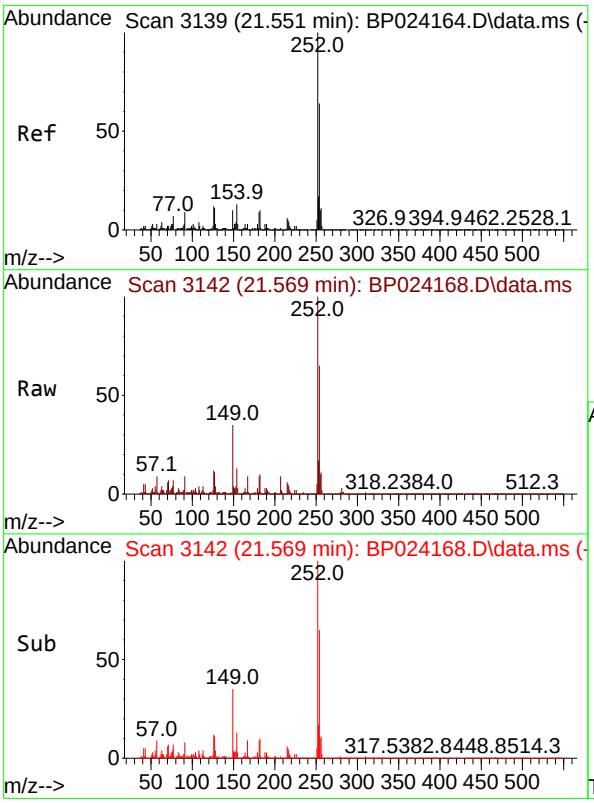
#81
Benzo(a)anthracene
Concen: 39.318 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

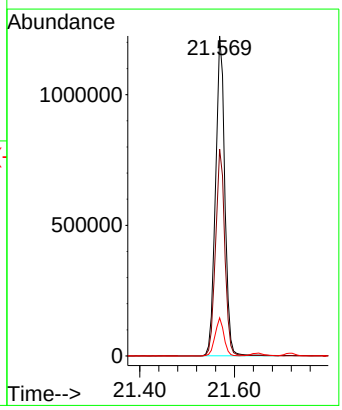


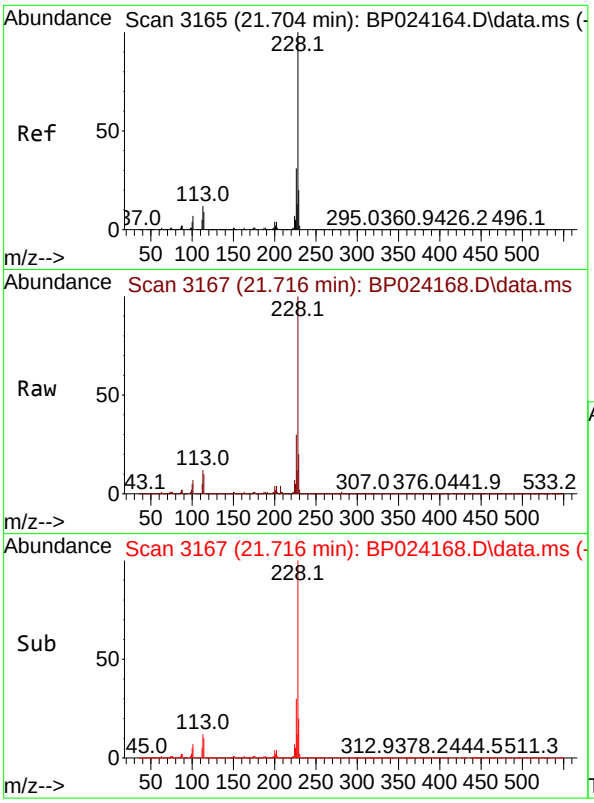


#82
3,3'-Dichlorobenzidine
Concen: 41.750 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



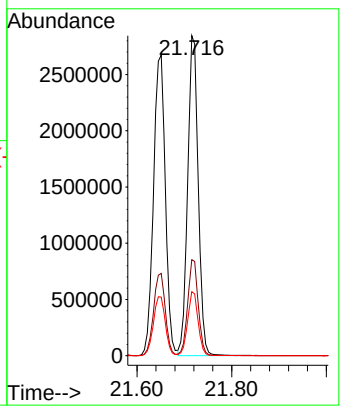


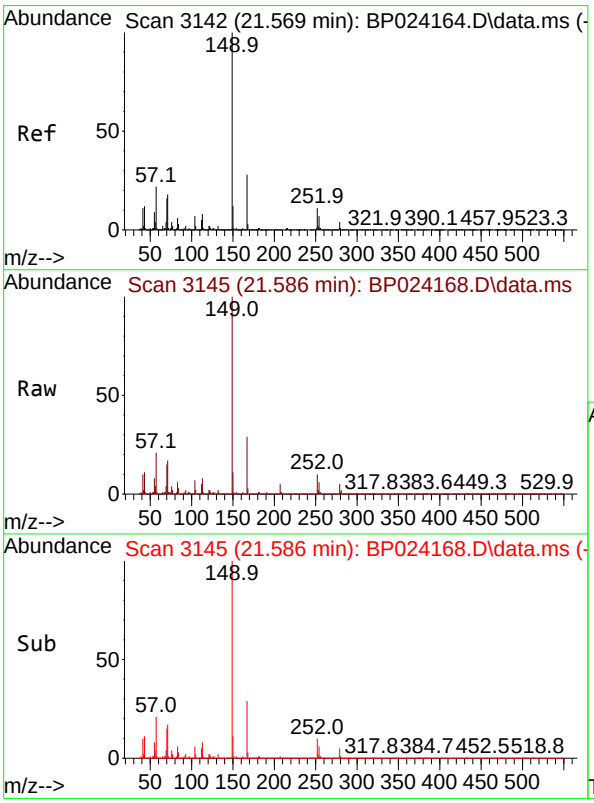
#83
Chrysene
Concen: 38.624 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

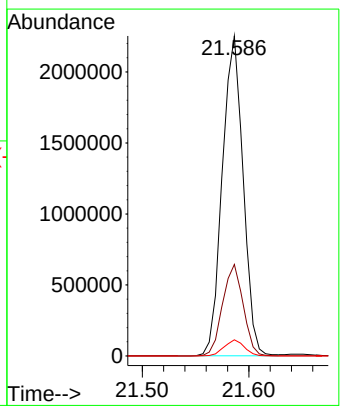


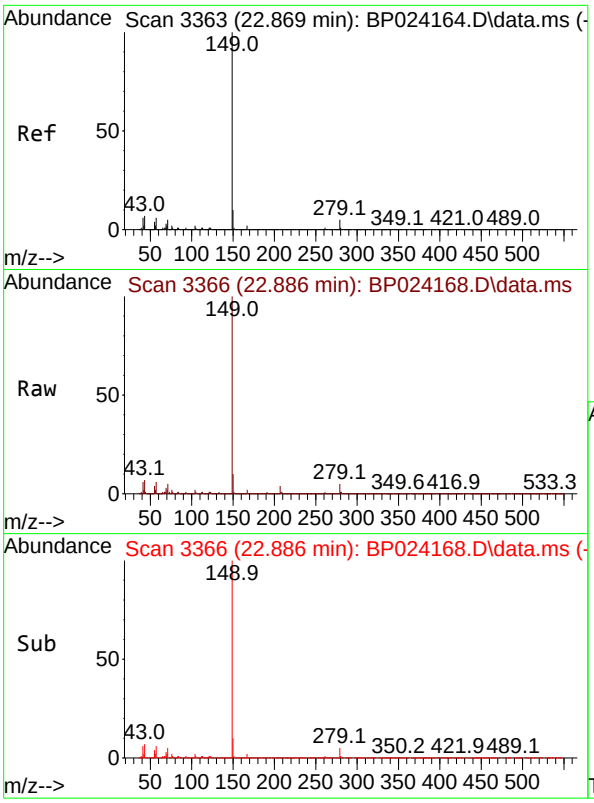


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.569 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



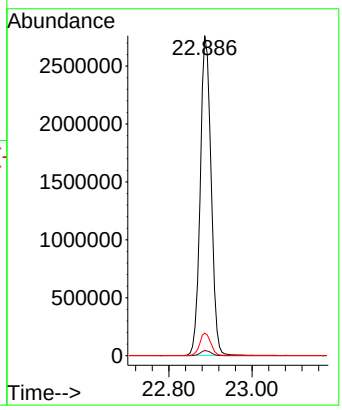


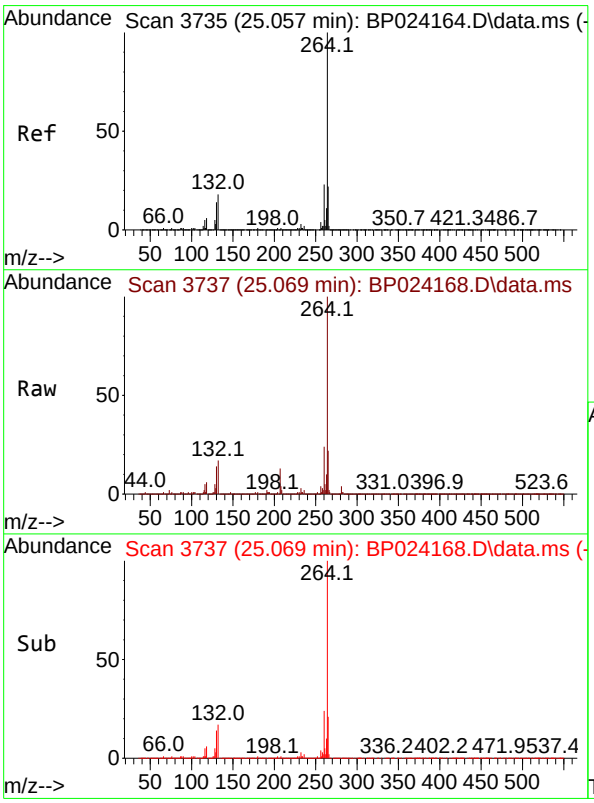
#85
Di-n-octyl phthalate
Concen: 42.452 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

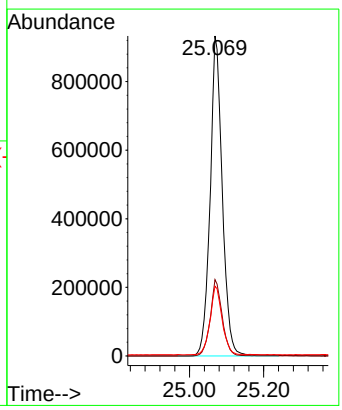


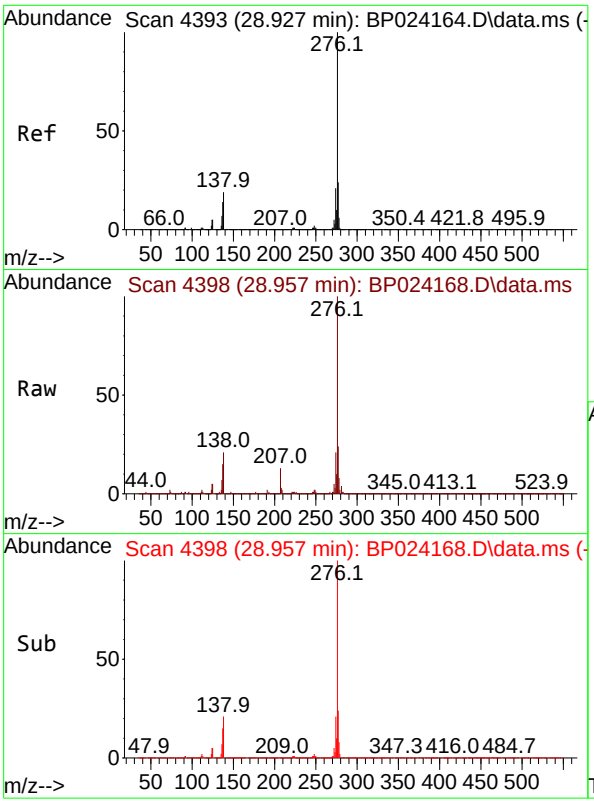


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.069 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



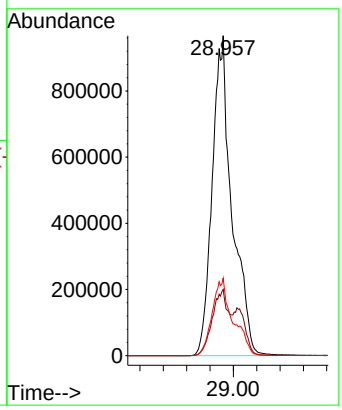


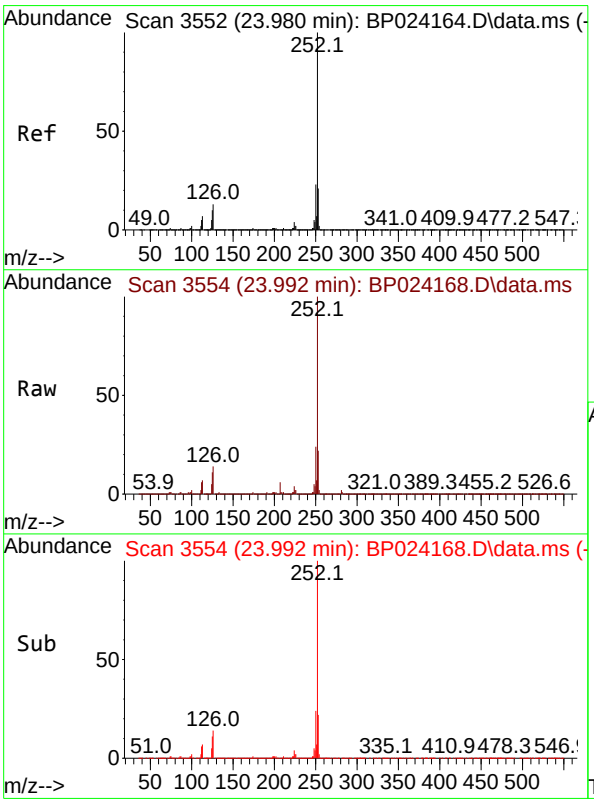
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.387 ng
RT: 28.957 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

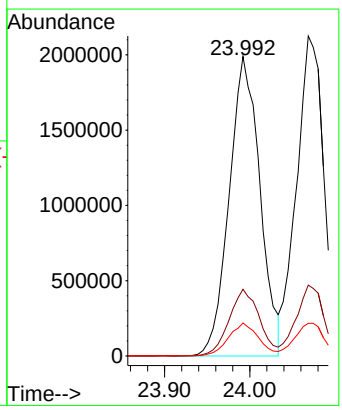


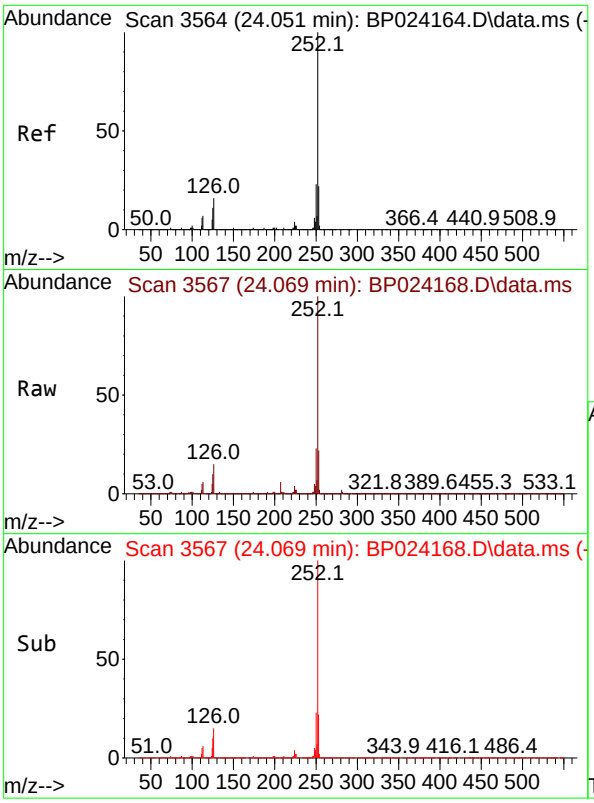


#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.992 min Scan# 3554
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



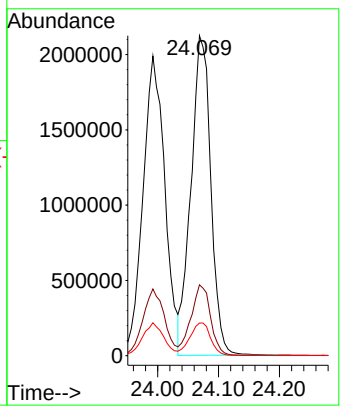


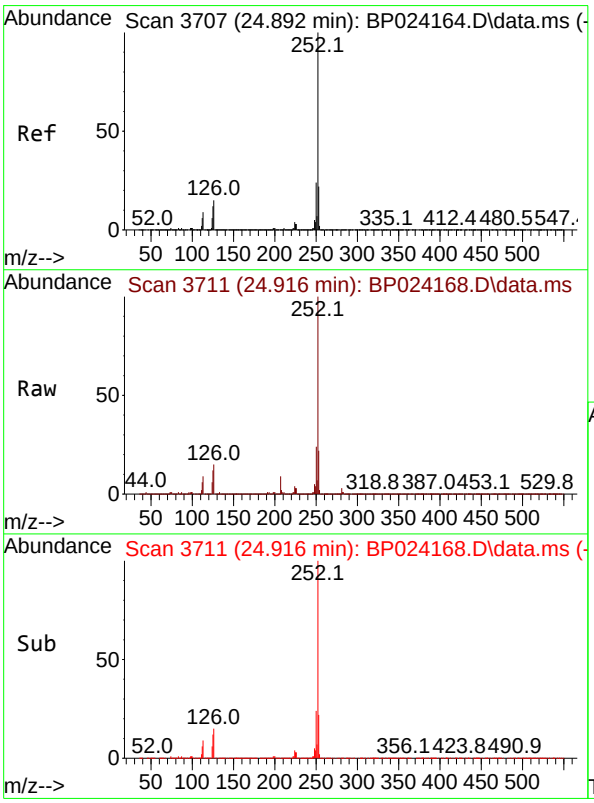
#89
Benzo(k)fluoranthene
Concen: 38.280 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

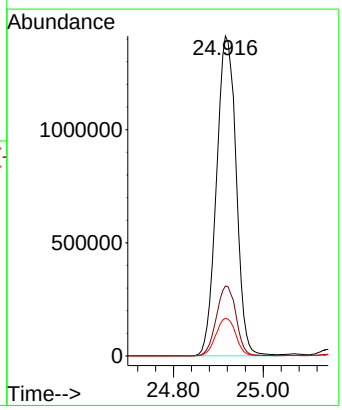


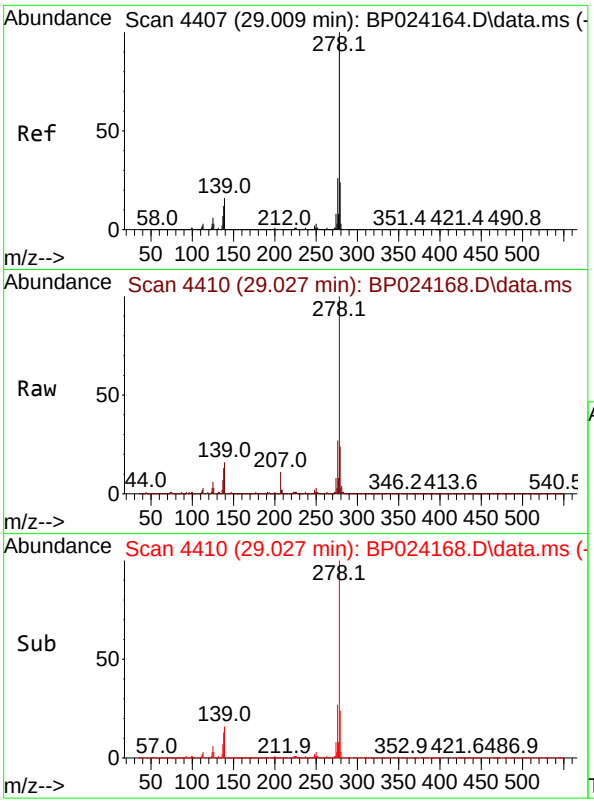


#90
Benzo(a)pyrene
Concen: 38.607 ng
RT: 24.916 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



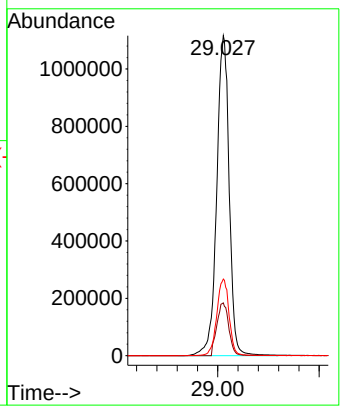


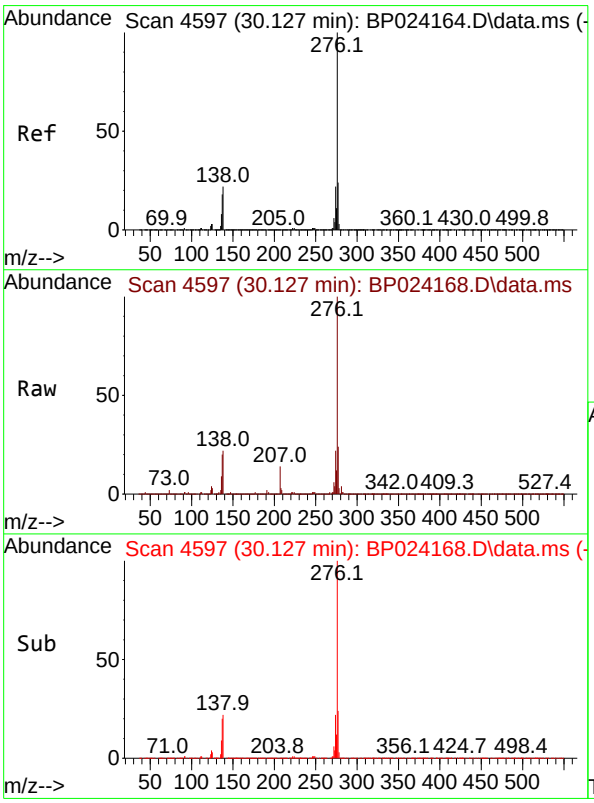
#91
Dibenzo(a,h)anthracene
Concen: 38.474 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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

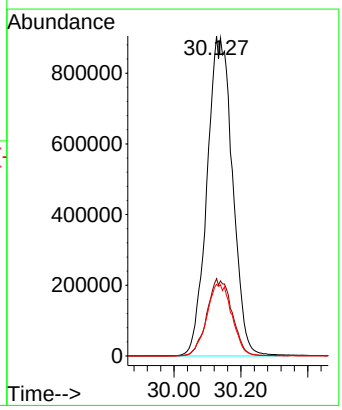




#92
Benzo(g,h,i)perylene
Concen: 38.087 ng m
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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



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

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

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

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

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

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

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

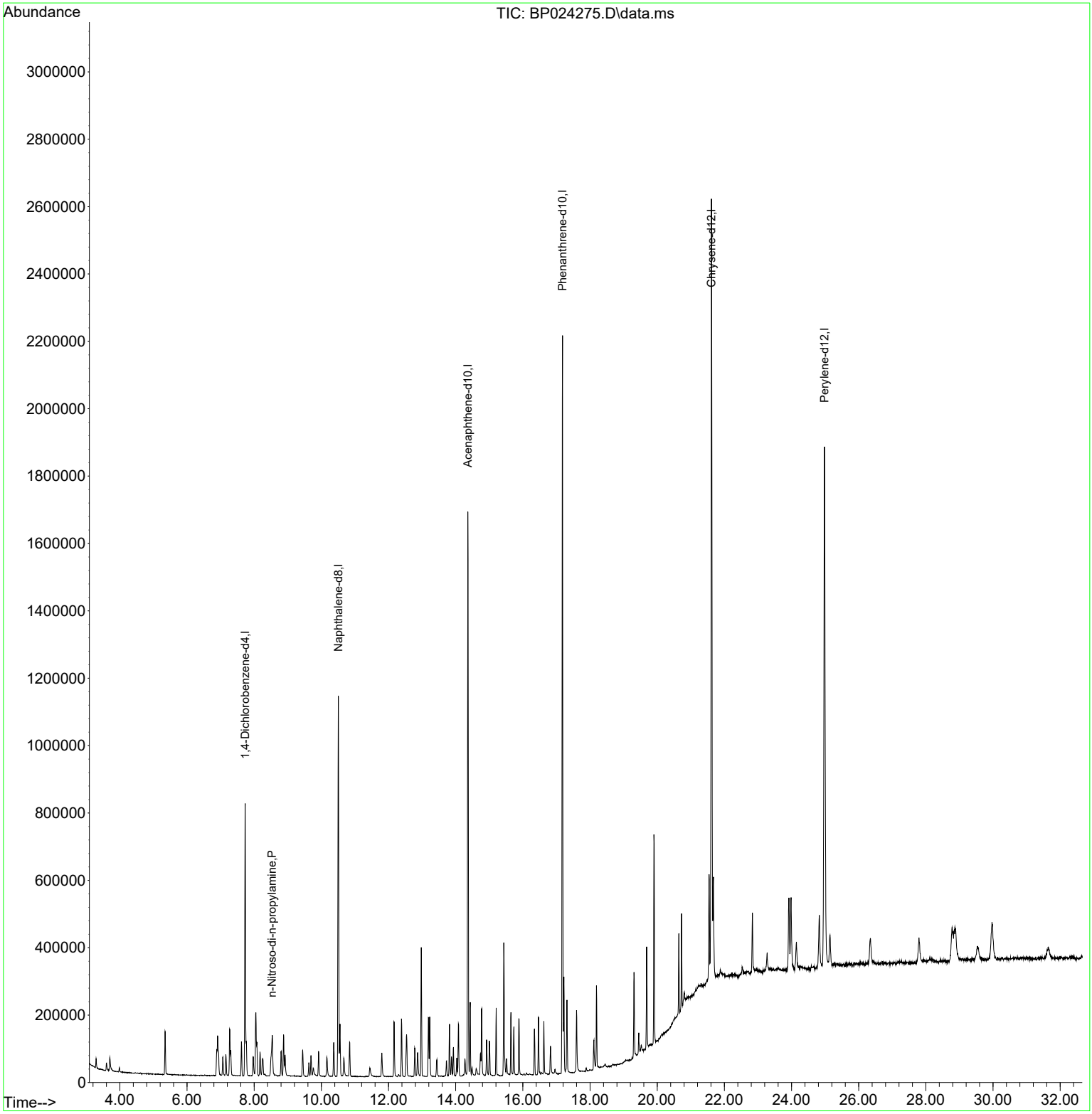
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	229109	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	962244	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	614109	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1238206	20.000	ng	0.02
76) Chrysene-d12	21.616	240	1367665	20.000	ng	0.00
86) Perylene-d12	24.980	264	1473609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.528	70	26959	2.285	ng	96

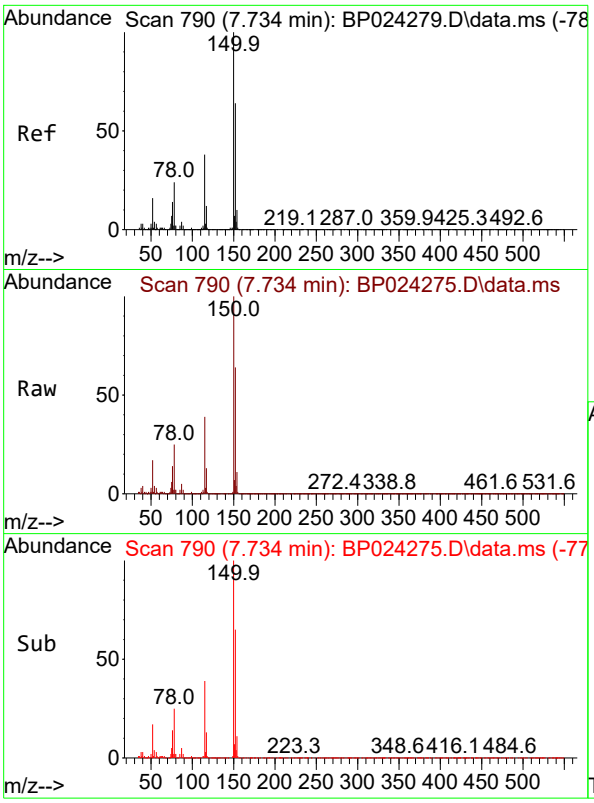
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



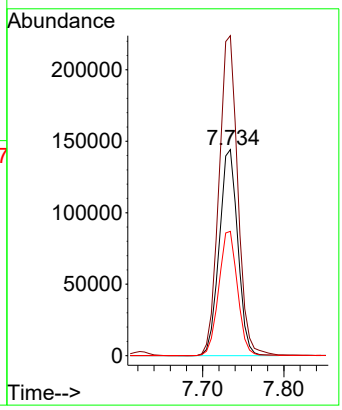


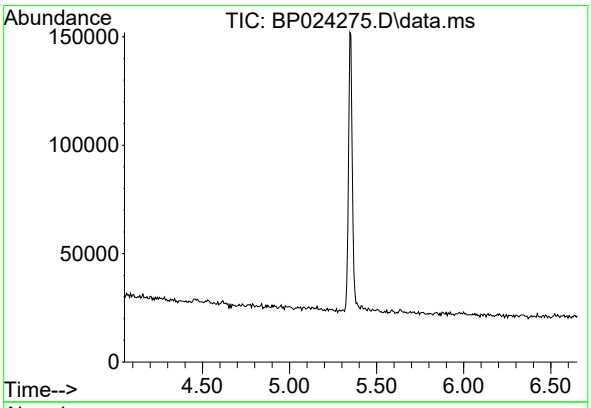
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 229109

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.9	187.3
115	60.4	47.7	71.5



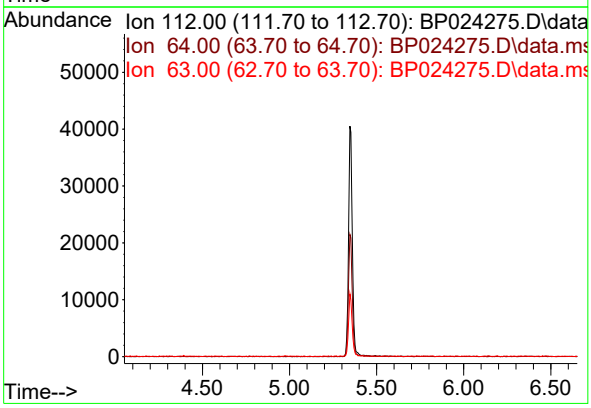


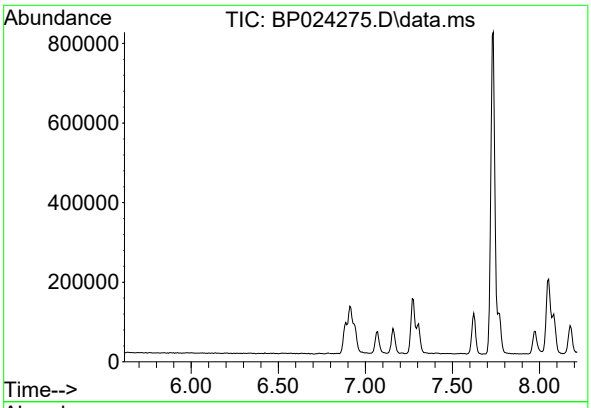
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.35 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.4
63	25.7





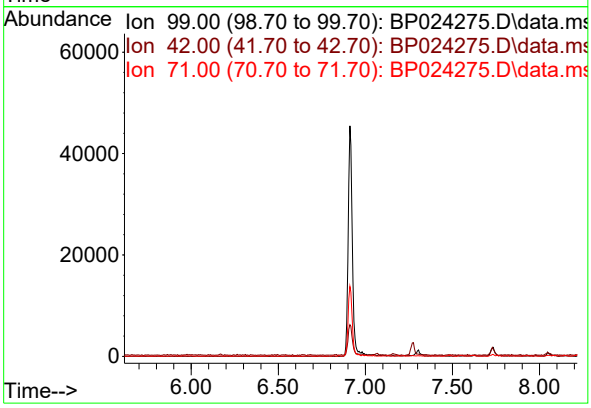
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.92 min

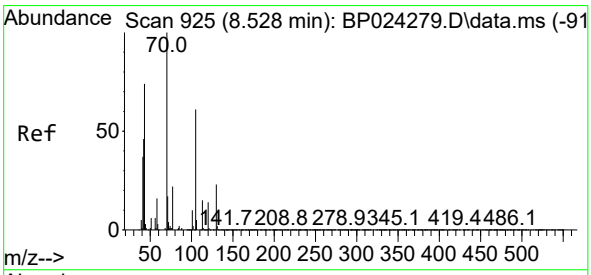
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

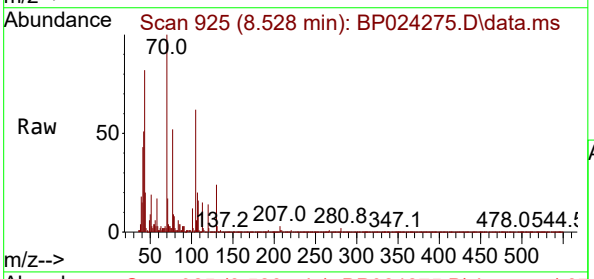
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

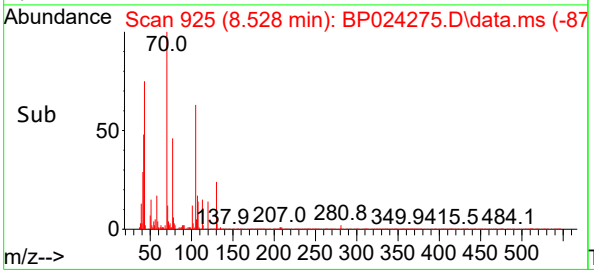
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	13.3
71	29.6





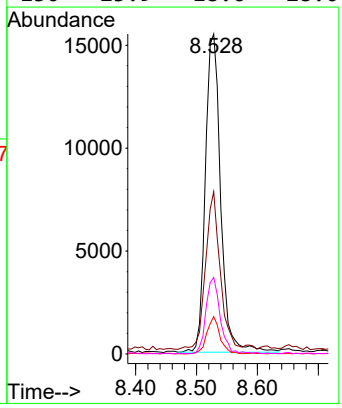


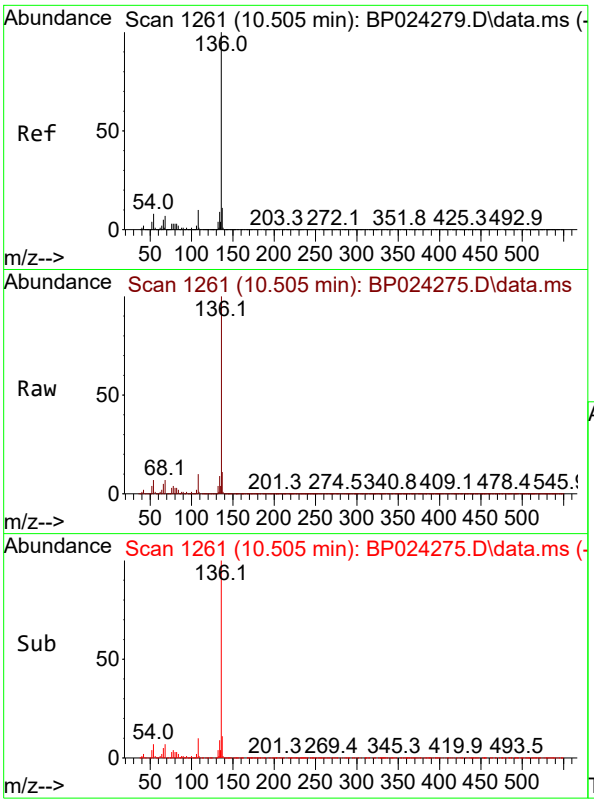


#19
n-Nitroso-di-n-propylamine
Concen: 2.285 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 70 Resp: 26959

Ion	Ratio	Lower	Upper
70	100		
42	50.7	37.3	55.9
101	11.7	8.2	12.4
130	23.9	18.6	28.0



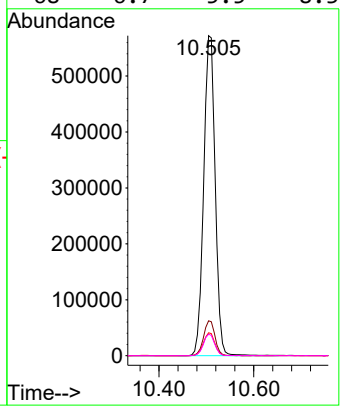


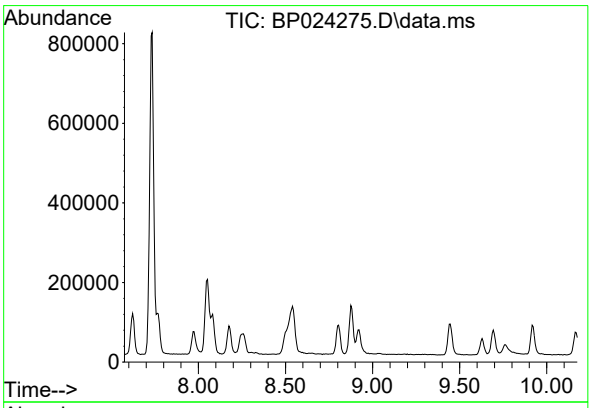
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 962244

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.2	6.0	9.0
68	6.7	5.5	8.3



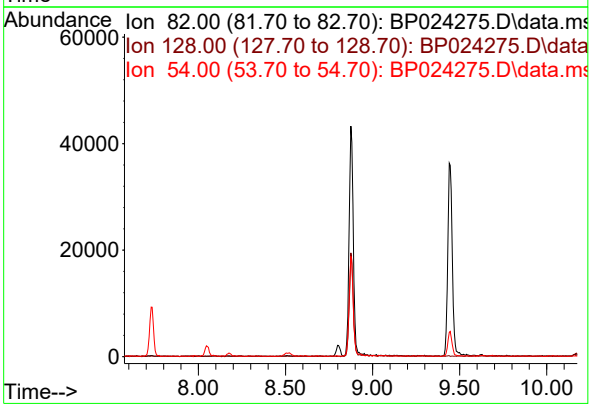


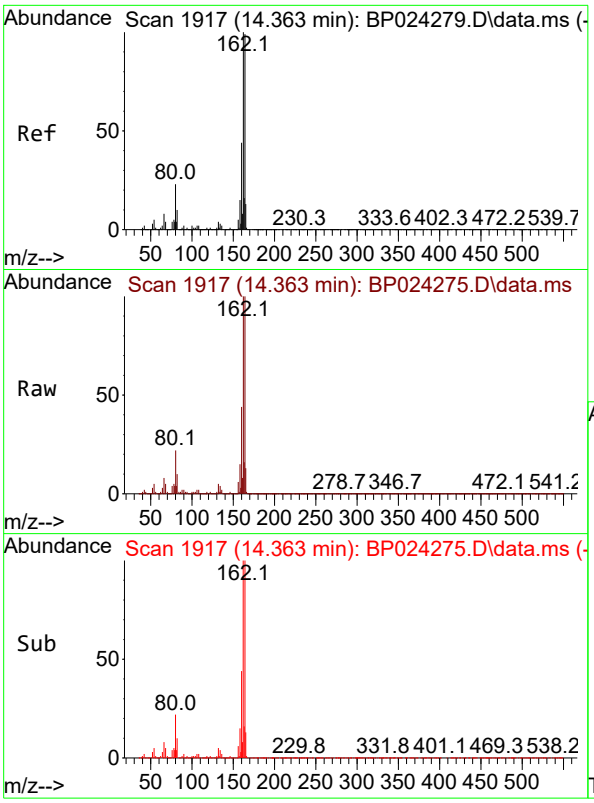
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.6
54	41.8



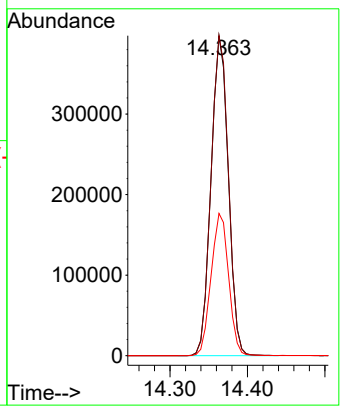


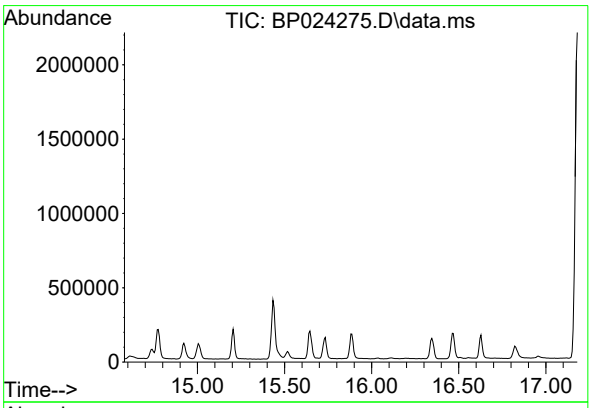
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 614109

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.5	35.3	52.9



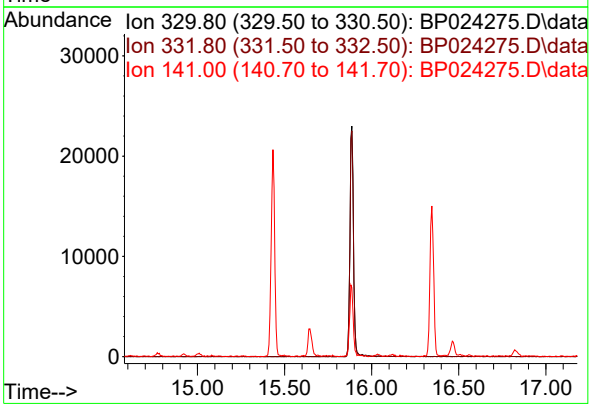


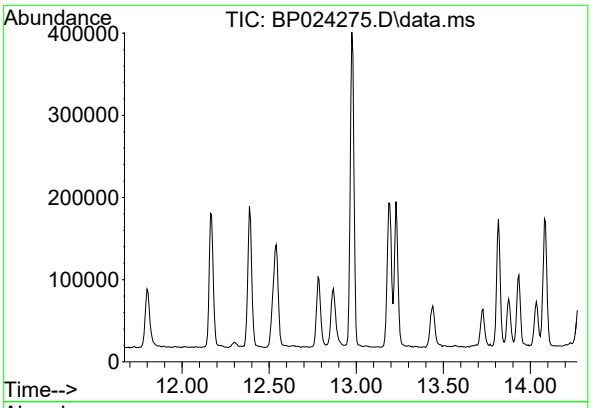
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.4
141	30.9





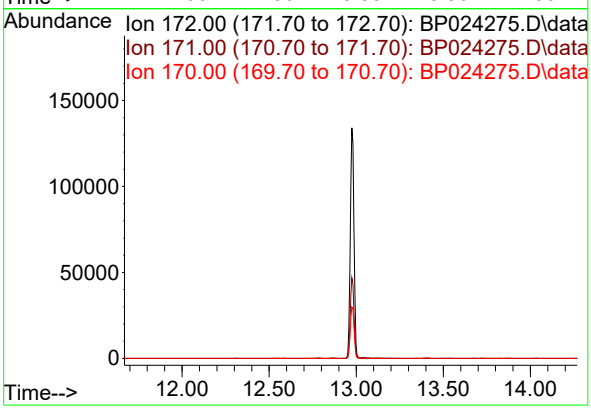
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.97 min

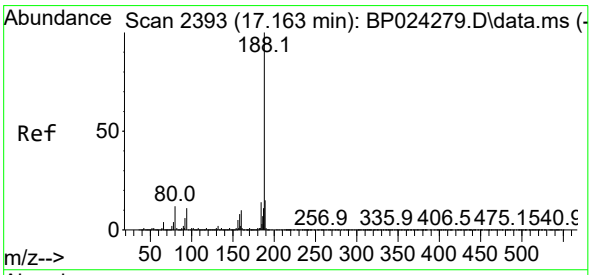
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

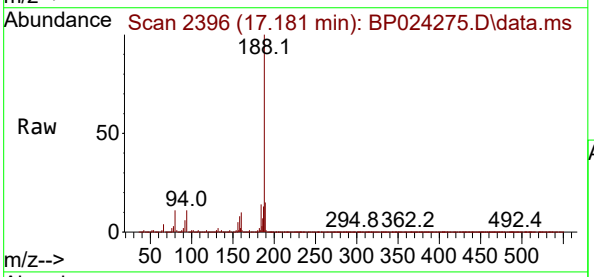
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

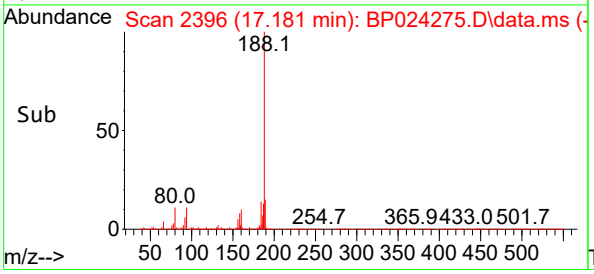
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.2
170	23.2





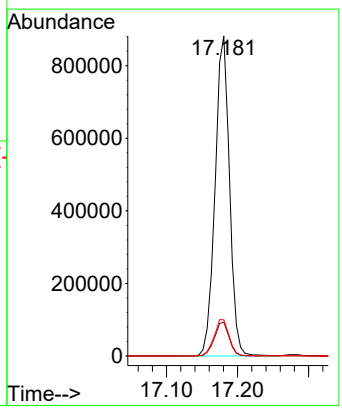


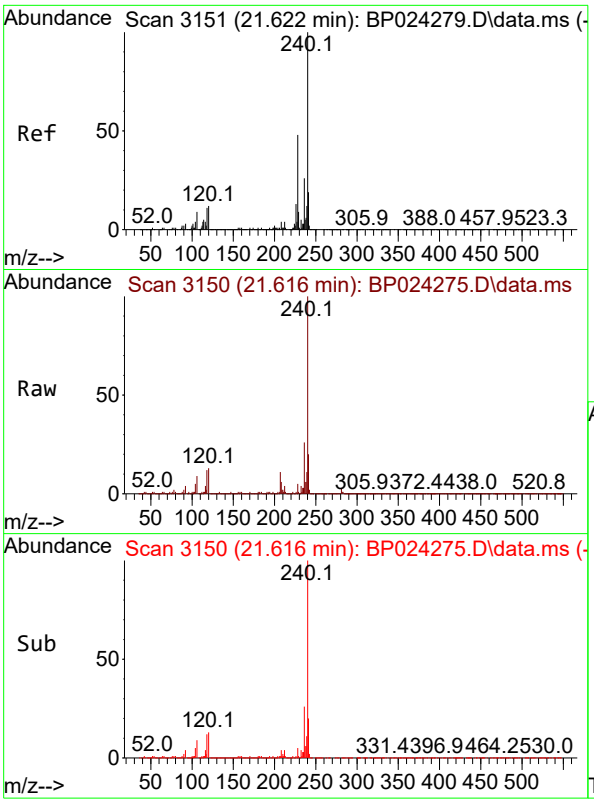


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion:188 Resp: 1238206

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.3	9.8	14.6



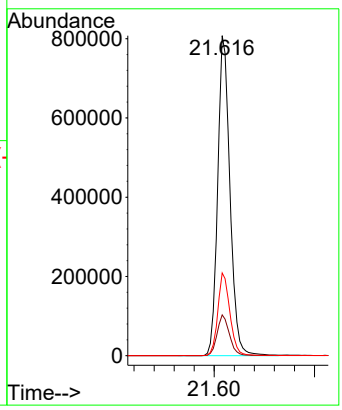


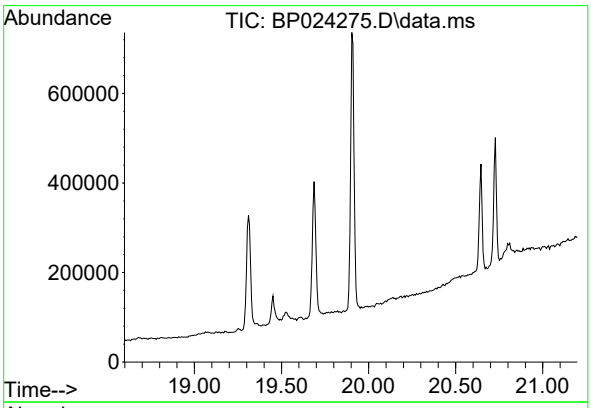
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1367665

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.9	20.9	31.3



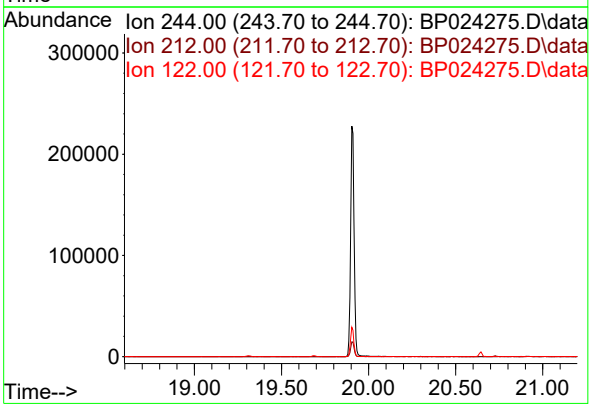


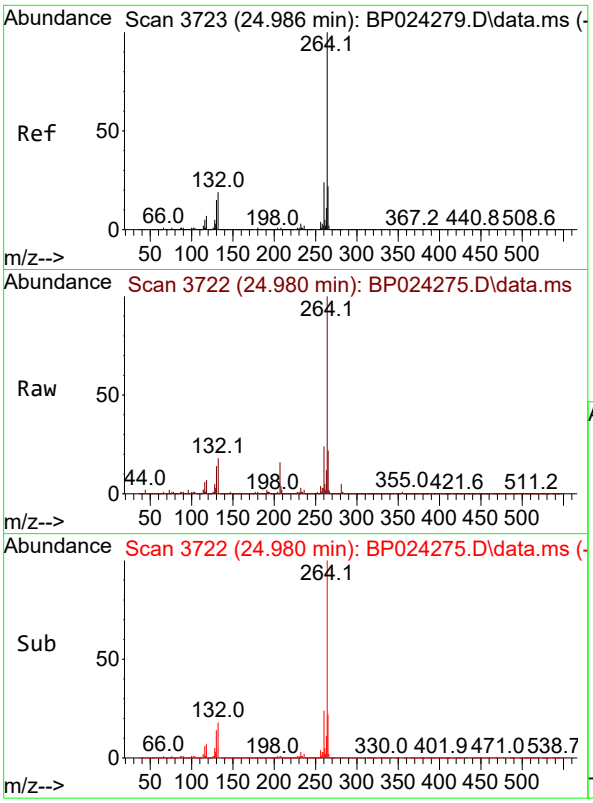
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.90 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.7



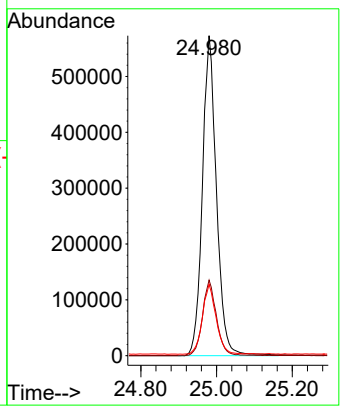


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1473609

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.3	17.8	26.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng		-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	125173	9.263	ng		0.00
7) Phenol-d6	6.916	99	163122	8.824	ng		0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng		0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng		100
3) Pyridine	3.699	79	70539	4.697	ng		97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	#	90
6) Aniline	7.069	93	80239	4.808	ng		99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng		98
9) Benzaldehyde	6.887	77	52595m	5.493	ng		
10) Phenol	6.940	94	82245	4.431	ng		97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng		97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng		98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng		99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng		98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng		97
17) 2-Methylphenol	8.175	107	51039	4.267	ng		99
18) Hexachloroethane	8.805	117	29643	4.950	ng		99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng		96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng		99
22) Acetophenone	8.546	105	111159	4.725	ng		99
24) Nitrobenzene	8.922	77	77593	4.709	ng		96
25) Isophorone	9.446	82	136090	4.534	ng		99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng		99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng		94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng		98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng		97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng		98
31) Naphthalene	10.557	128	246999	4.930	ng		99
33) 4-Chloroaniline	10.669	127	77667	4.437	ng		98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng		99
35) Caprolactam	11.446	113	20082	4.002	ng		94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng		100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng		99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng		100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng		96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng		95
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

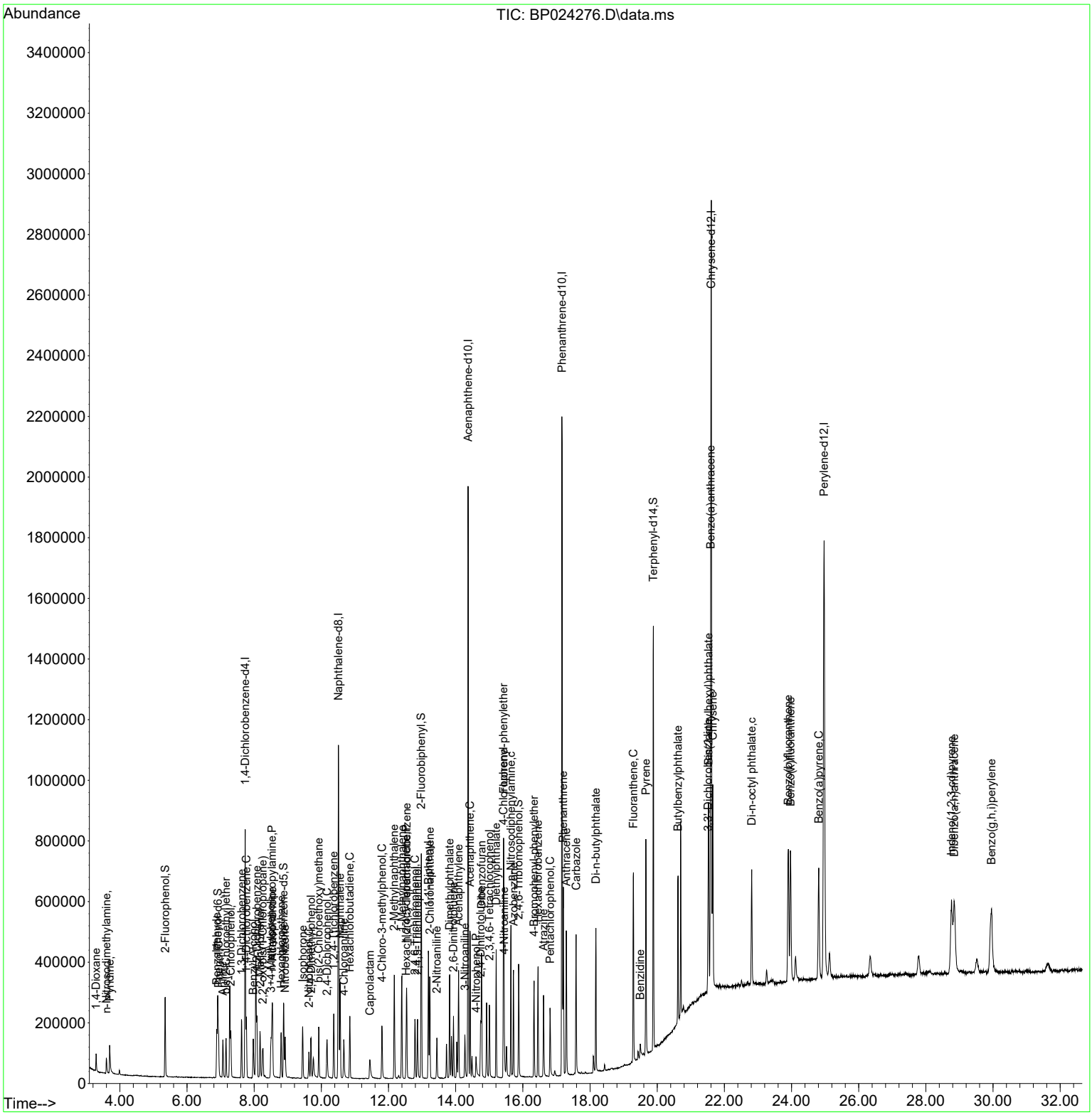
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47) 2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48) 2-Nitroaniline	13.440	65	38152	4.111	ng		90
49) Acenaphthylene	14.087	152	244566	4.637	ng		99
50) Dimethylphthalate	13.822	163	217848	4.897	ng		100
51) 2,6-Dinitrotoluene	13.934	165	40182	4.287	ng		94
52) Acenaphthene	14.428	154	165694	4.940	ng		97
53) 3-Nitroaniline	14.275	138	38178	3.926	ng	#	94
55) Dibenzofuran	14.769	168	274506	4.991	ng		99
56) 4-Nitrophenol	14.610	139	29033	3.473	ng		98
57) 2,4-Dinitrotoluene	14.745	165	50843	4.013	ng		97
58) Fluorene	15.428	166	209763	4.939	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng		98
60) Diethylphthalate	15.204	149	221119	4.830	ng		99
61) 4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng		99
62) 4-Nitroaniline	15.445	138	40139	3.893	ng		96
63) Azobenzene	15.722	77	193402	4.586	ng		99
66) n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng		99
67) 4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng		97
68) Hexachlorobenzene	16.451	284	76267	4.766	ng		96
69) Atrazine	16.616	200	54439	5.803	ng		98
70) Pentachlorophenol	16.810	266	44119	4.015	ng		98
71) Phenanthrene	17.204	178	338611	5.005	ng		100
72) Anthracene	17.292	178	307065	4.716	ng		99
73) Carbazole	17.586	167	298495	4.711	ng		100
74) Di-n-butylphthalate	18.175	149	354008	4.484	ng		100
75) Fluoranthene	19.292	202	397601	4.951	ng		99
77) Benzidine	19.498	184	50615m	2.925	ng		
78) Pyrene	19.663	202	417746	4.657	ng		99
80) Butylbenzylphthalate	20.622	149	152196	4.024	ng		99
81) Benzo(a)anthracene	21.592	228	418745	4.791	ng		100
82) 3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng		99
83) Chrysene	21.657	228	413570	4.937	ng		99
84) Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng		98
85) Di-n-octyl phthalate	22.816	149	331185	3.712	ng		99
87) Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng	#	92
88) Benzo(b)fluoranthene	23.904	252	429214	4.723	ng		99
89) Benzo(k)fluoranthene	23.968	252	413302	4.686	ng		99
90) Benzo(a)pyrene	24.810	252	356658	4.559	ng		98
91) Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng		100
92) Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng		99

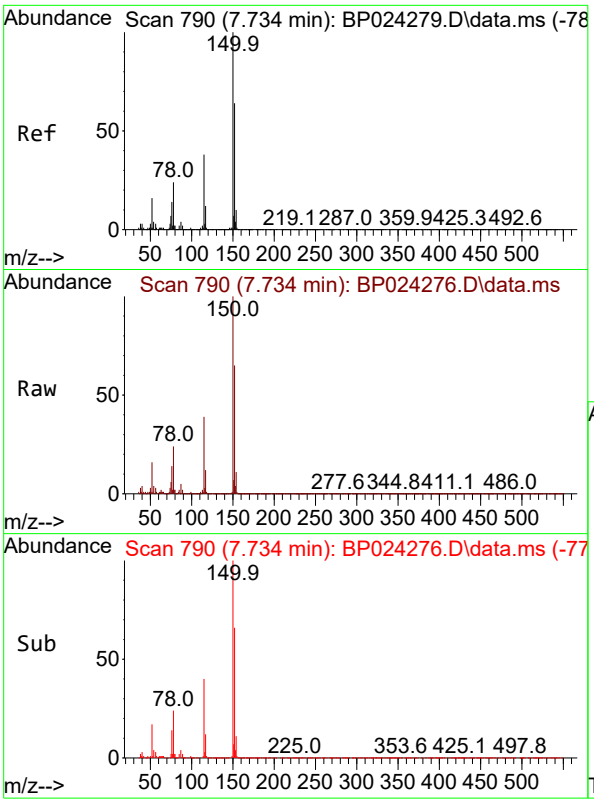
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



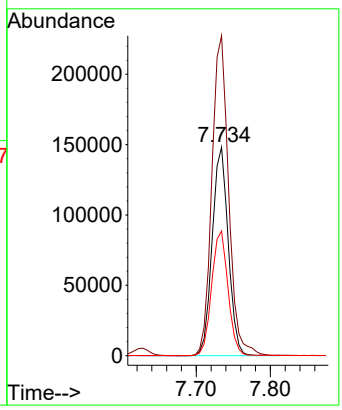


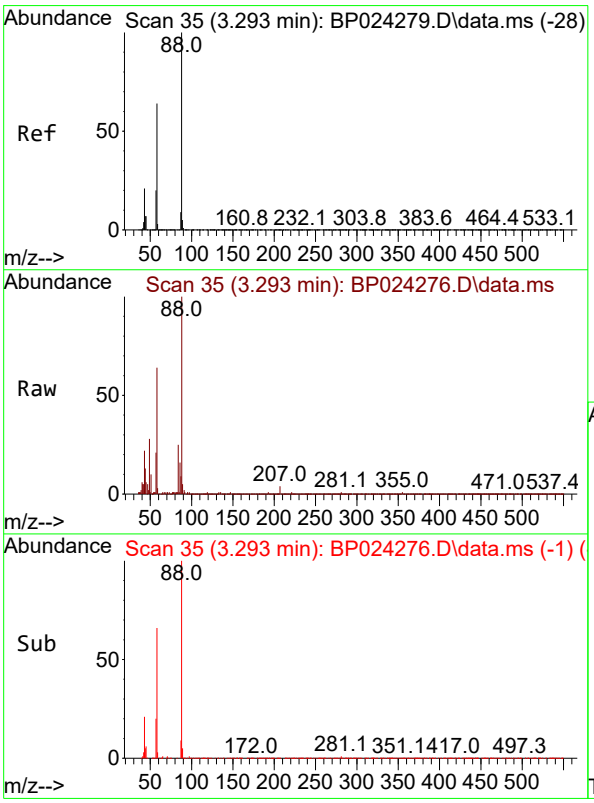
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 223010

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	59.8	47.7	71.5

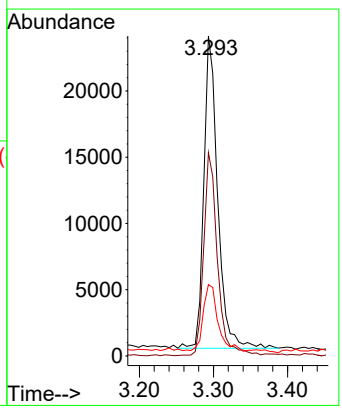


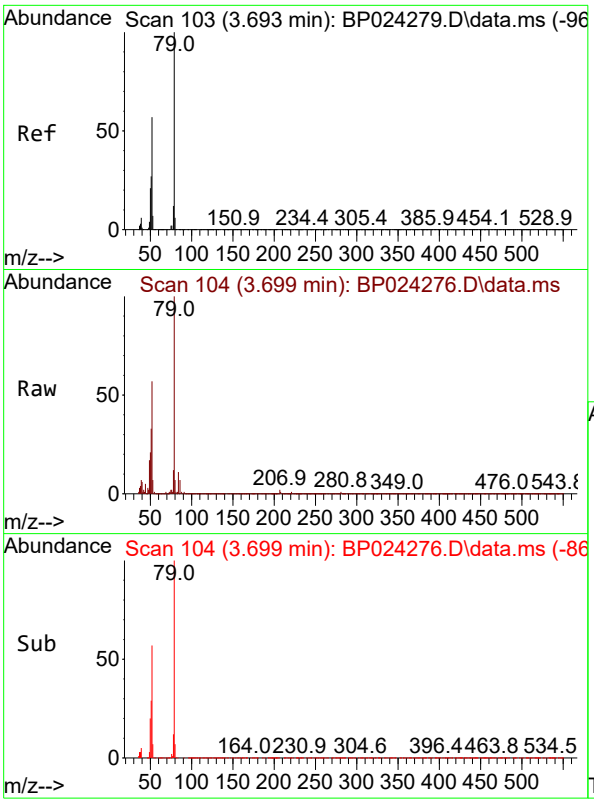


#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 88 Resp: 30738

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	22.3	17.1	25.7



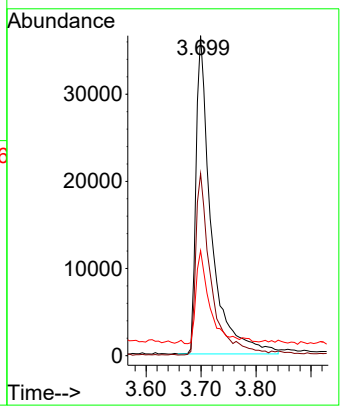


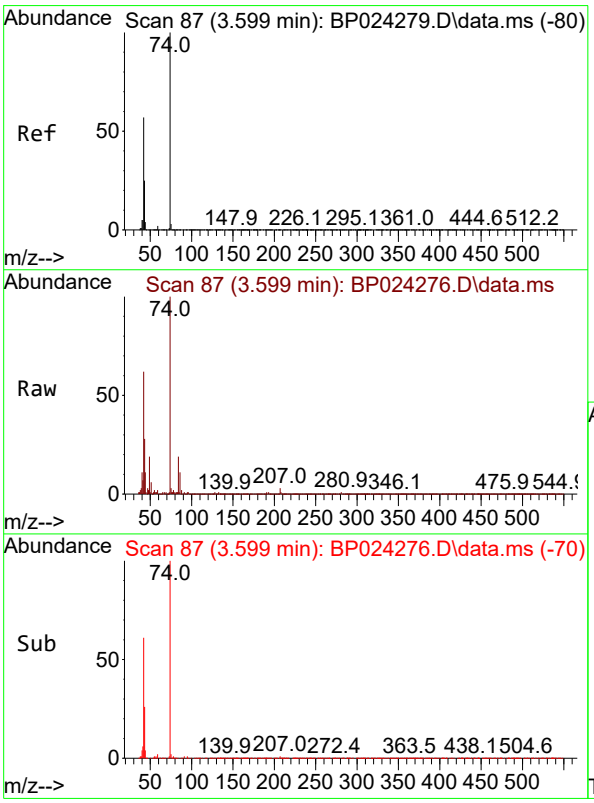
#3
Pyridine
Concen: 4.697 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70539

Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.4	68.2
51	32.8	22.6	33.8

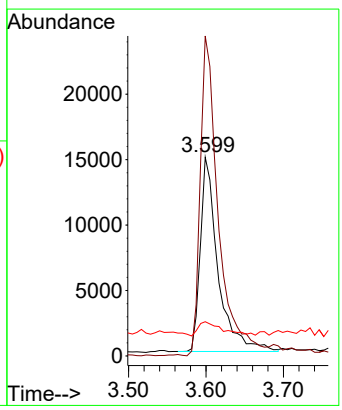


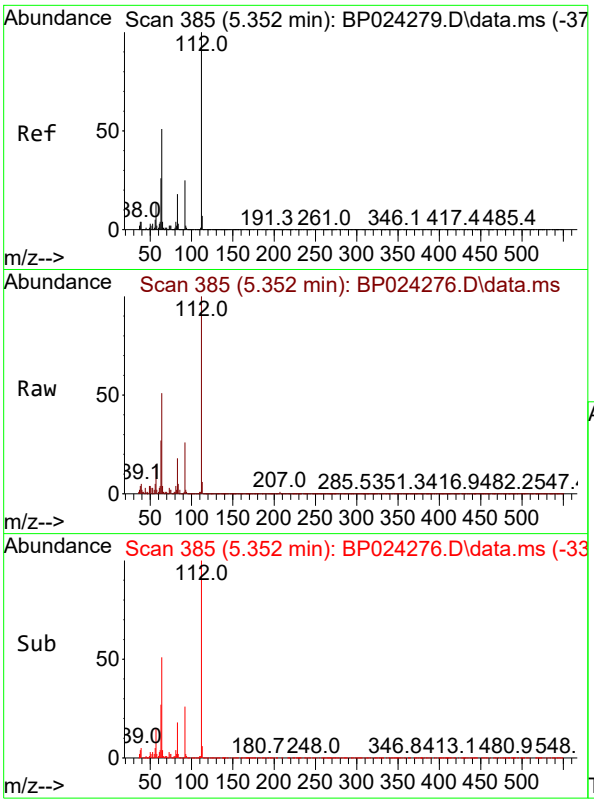


#4
n-Nitrosodimethylamine
Concen: 4.720 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 42 Resp: 23634

Ion	Ratio	Lower	Upper
42	100		
74	161.0	139.5	209.3
44	17.2	5.8	8.8#



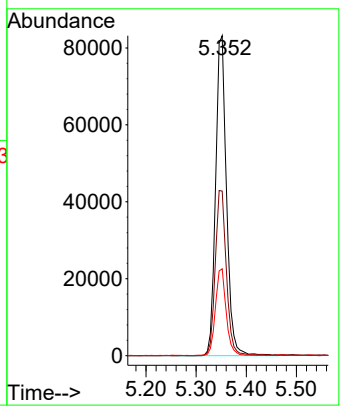


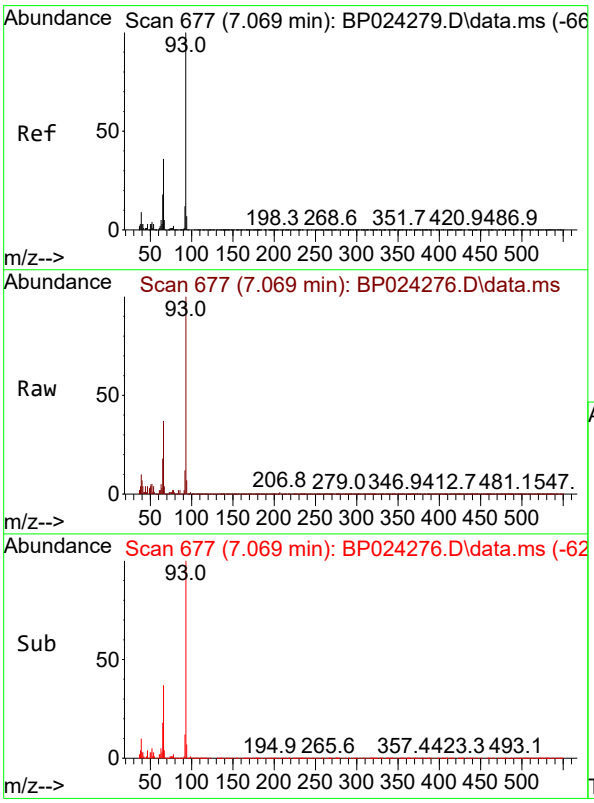
#5
2-Fluorophenol
Concen: 9.263 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125173

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	27.1	20.6	30.8

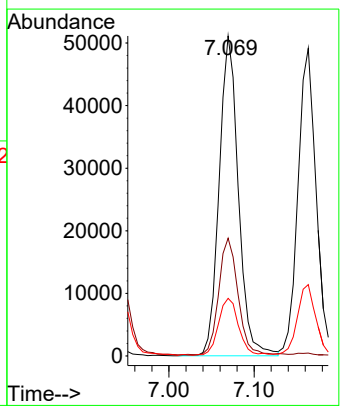


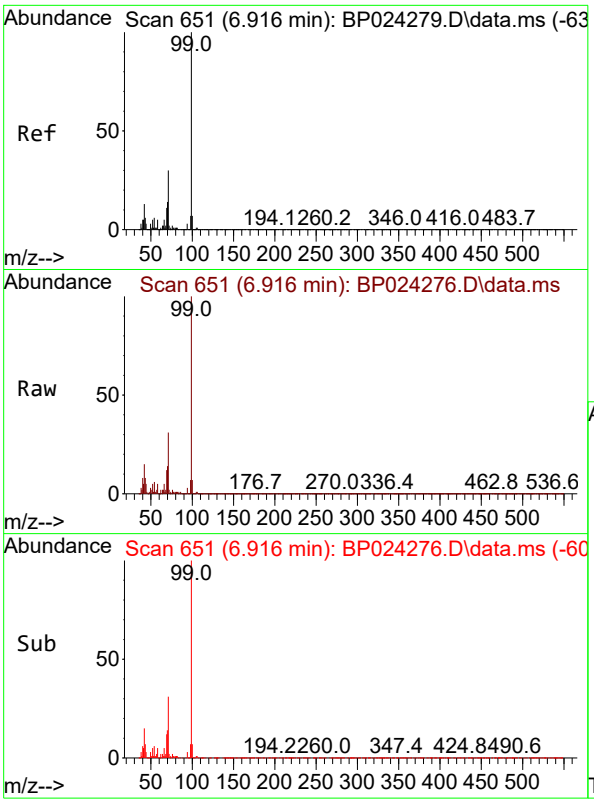


#6
Aniline
Concen: 4.808 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 80239

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.0	14.7	22.1



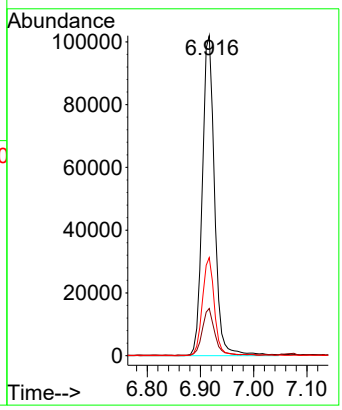


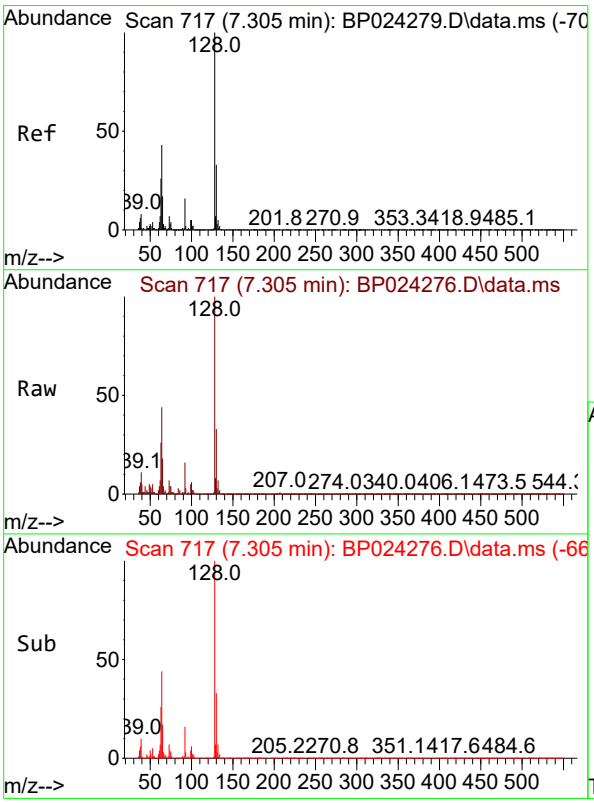
#7
Phenol-d6
Concen: 8.824 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 163122

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.6	16.0
71	30.7	23.7	35.5

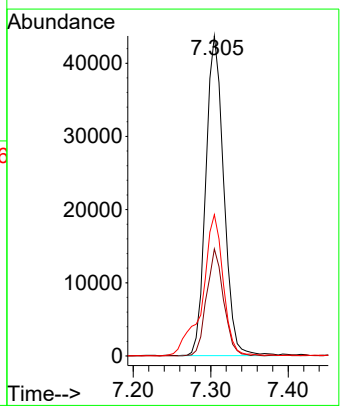


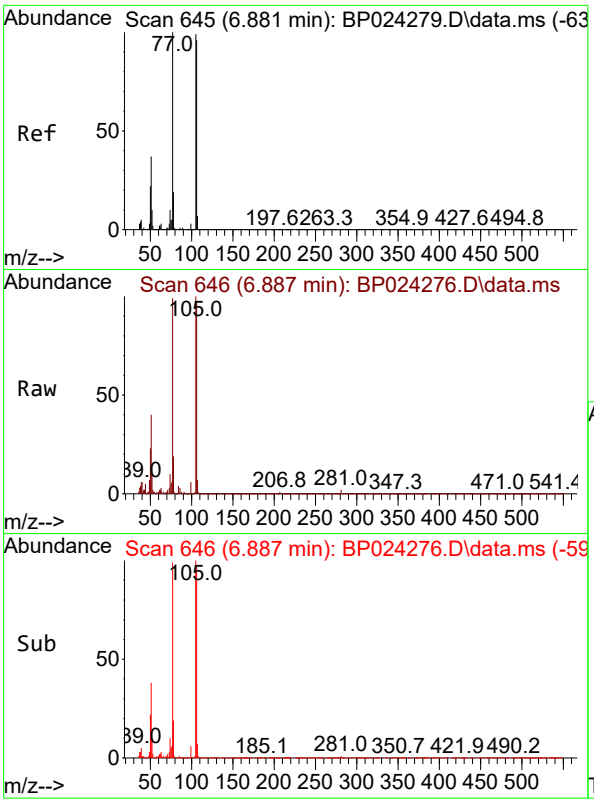


#8
2-Chlorophenol
Concen: 4.651 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:128 Resp: 70239

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.9	52.9
64	44.2	22.7	62.7



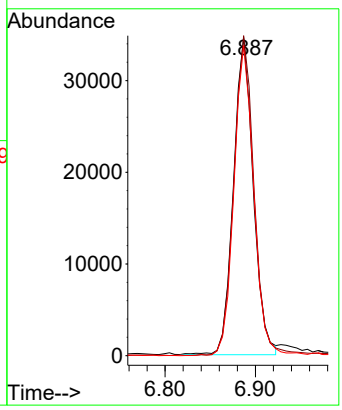


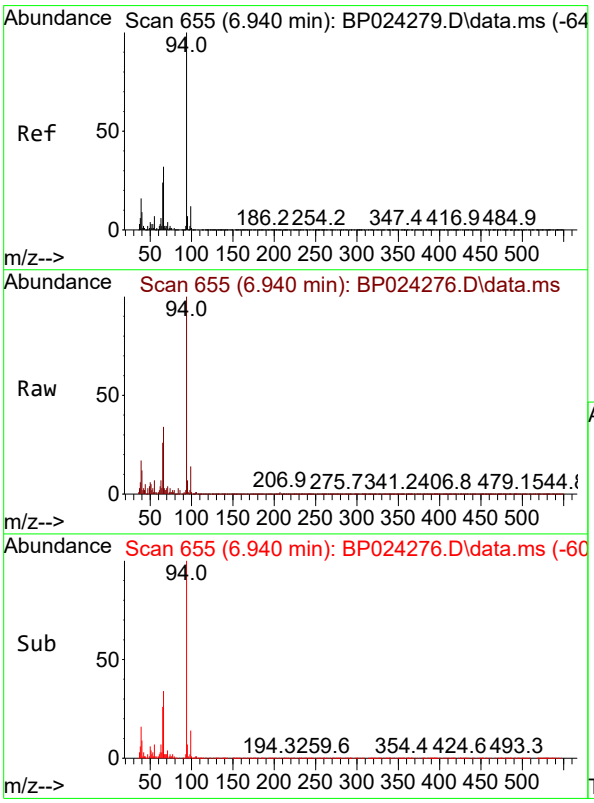
#9
Benzaldehyde
Concen: 5.493 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 52595

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.4	76.2	116.2

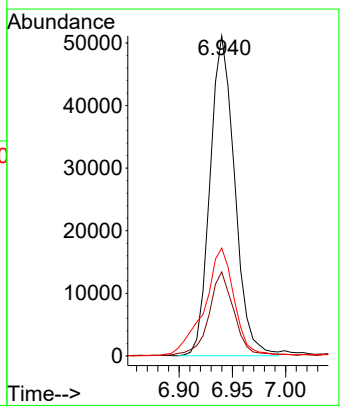


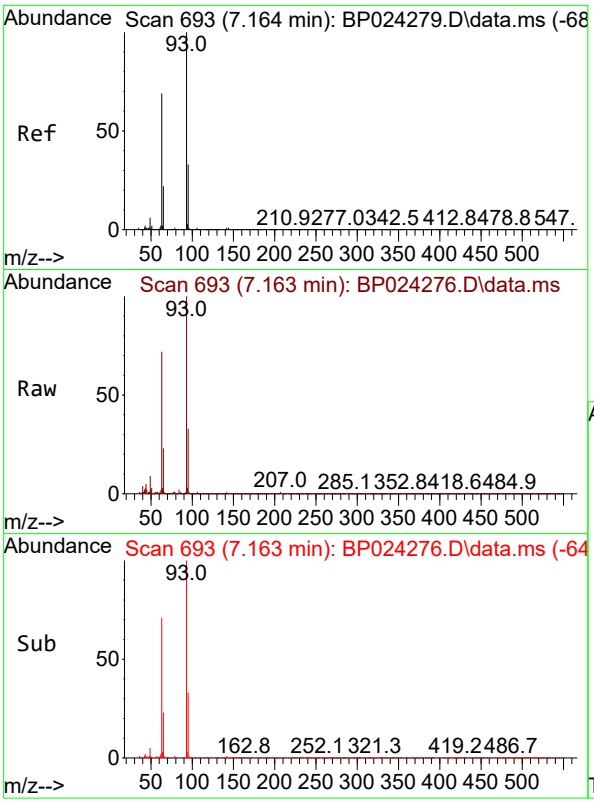


#10
Phenol
Concen: 4.431 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 94 Resp: 82245

Ion	Ratio	Lower	Upper
94	100		
65	26.3	4.5	44.5
66	33.7	12.4	52.4



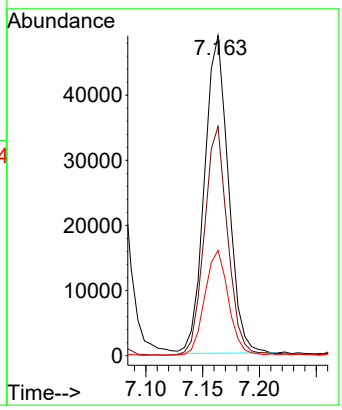


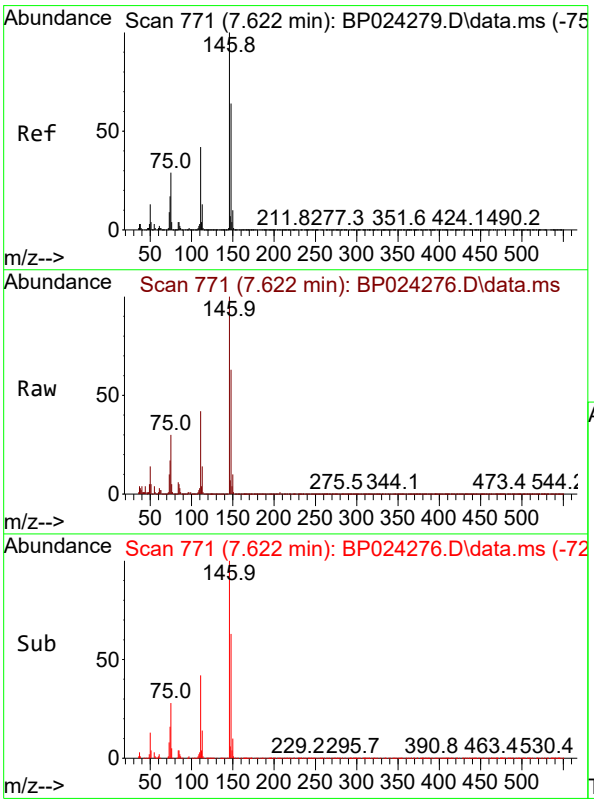
#11
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71228

Ion	Ratio	Lower	Upper
93	100		
63	71.6	48.6	88.6
95	32.9	12.3	52.3

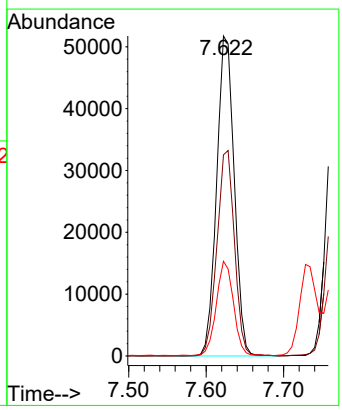


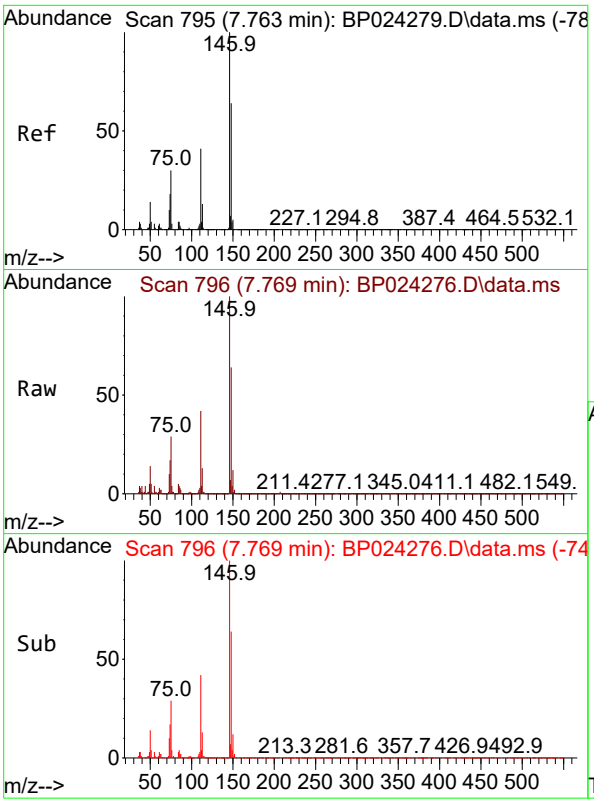


#12
1,3-Dichlorobenzene
Concen: 4.987 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 81600

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
75	29.6	22.9	34.3



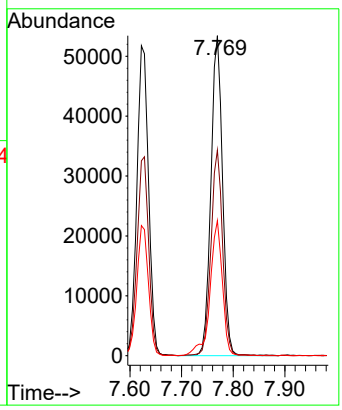


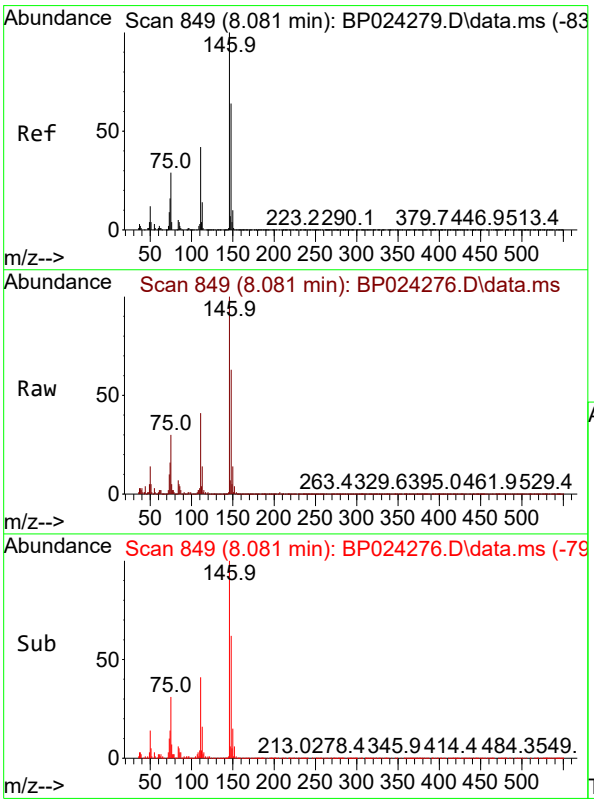
#13
1,4-Dichlorobenzene
Concen: 5.027 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 83408

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	42.2	32.6	48.8

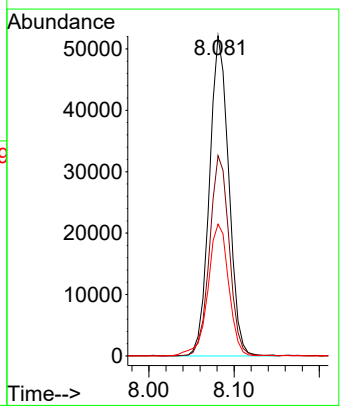


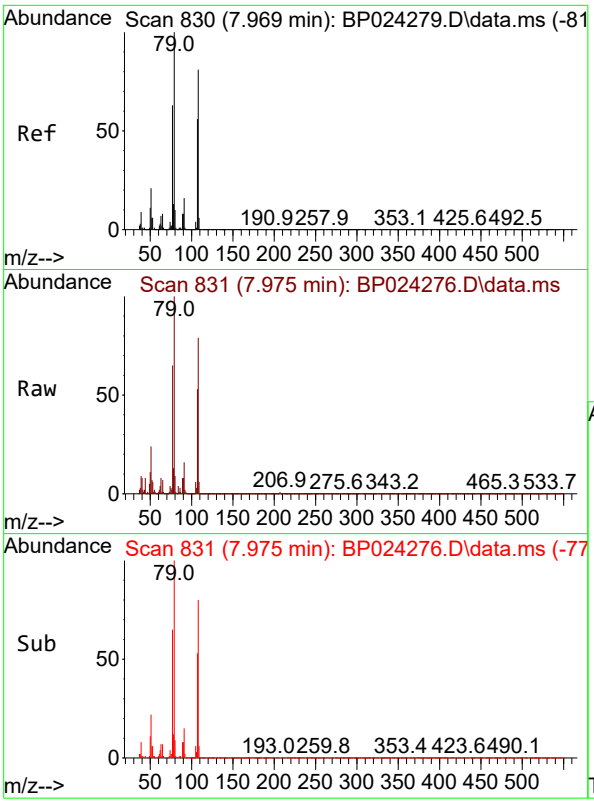


#14
1,2-Dichlorobenzene
Concen: 5.115 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 82066

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	41.2	33.8	50.8



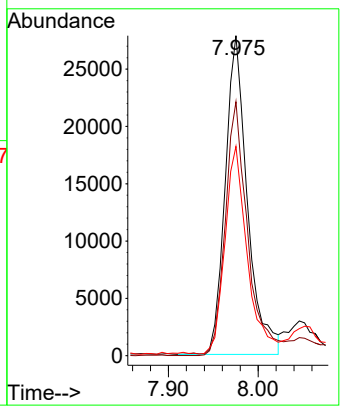


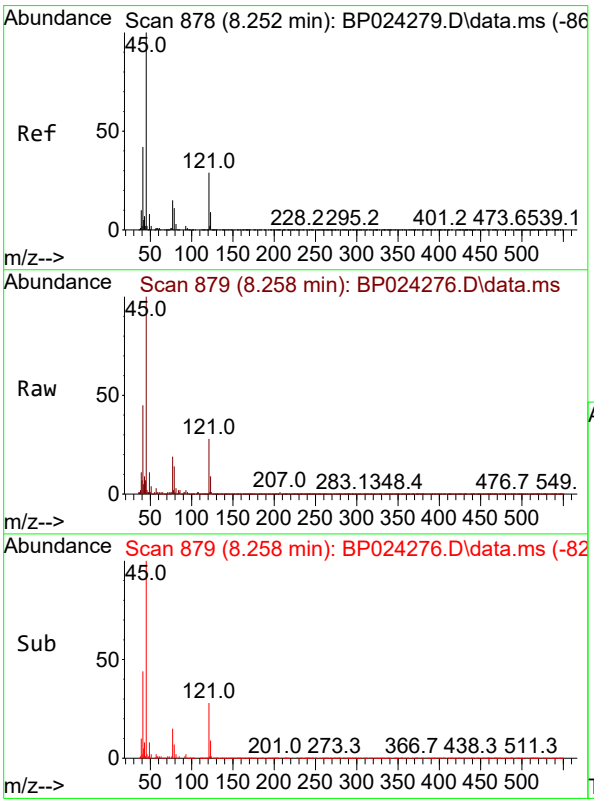
#15
Benzyl Alcohol
Concen: 4.032 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47777

Ion	Ratio	Lower	Upper
79	100		
108	79.4	65.1	97.7
77	65.4	50.7	76.1

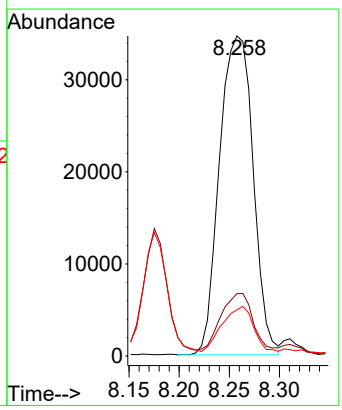


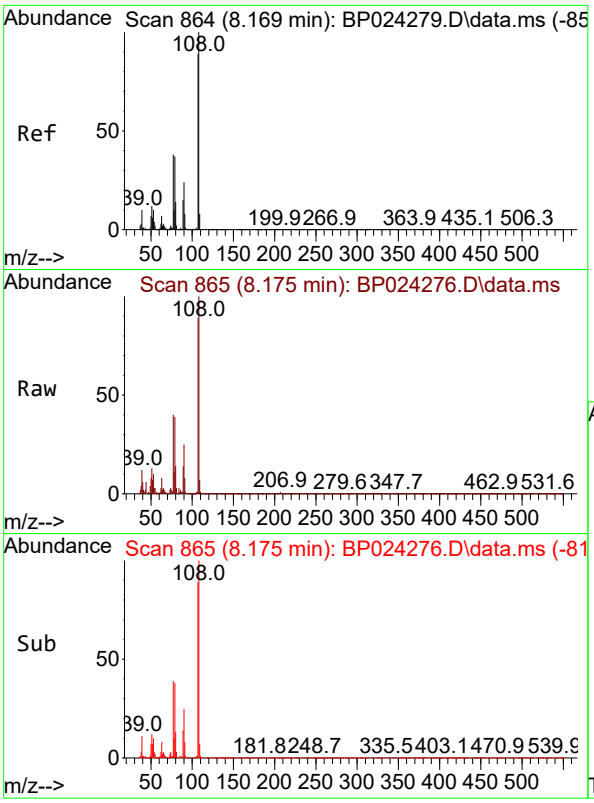


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.962 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 45 Resp: 80975

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	37.7
79	14.4	0.0	33.5



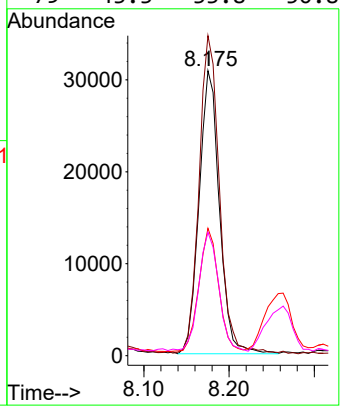


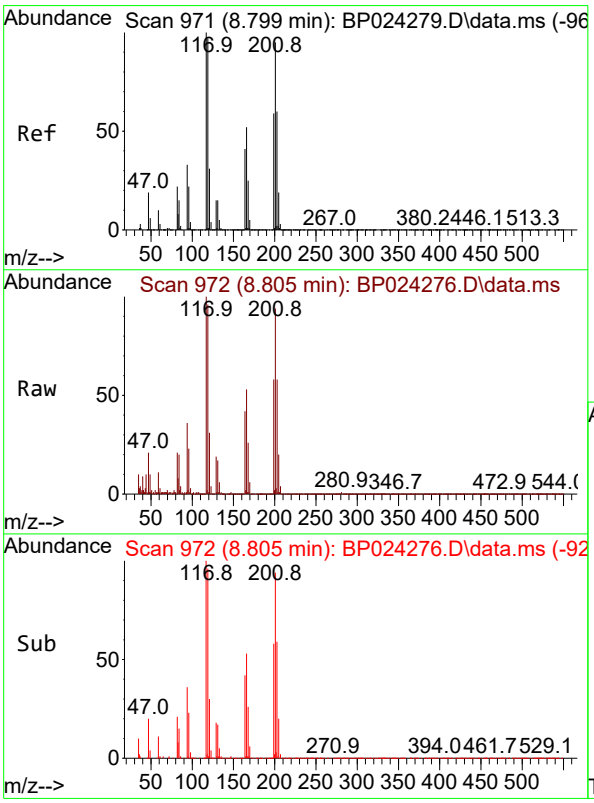
#17
2-Methylphenol
Concen: 4.267 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 51039

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	44.7	34.2	51.4
79	43.3	33.8	50.8

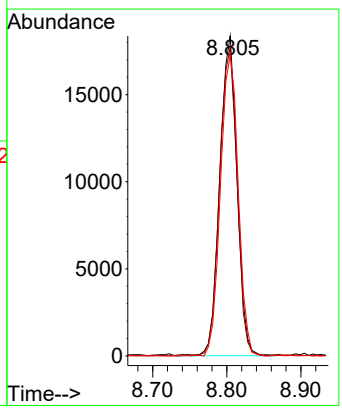


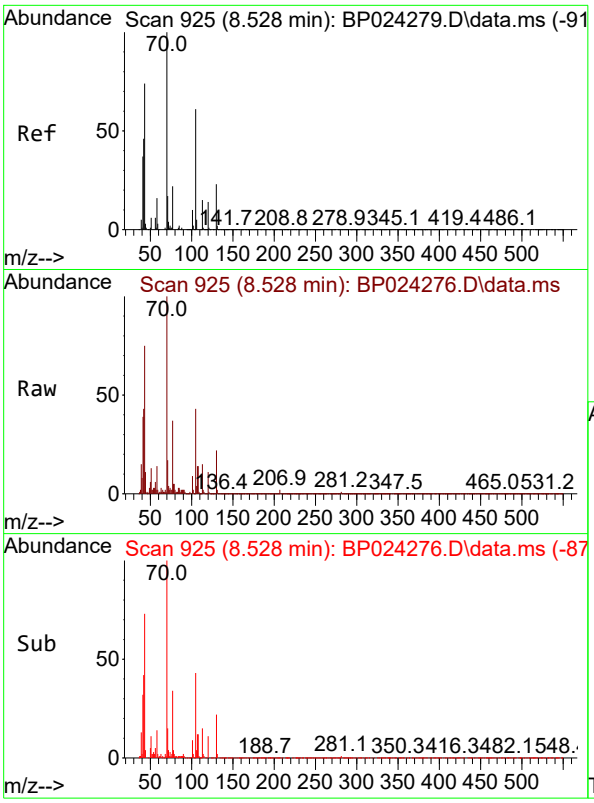


#18
Hexachloroethane
Concen: 4.950 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:117 Resp: 29643

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
201	96.8	75.9	113.9



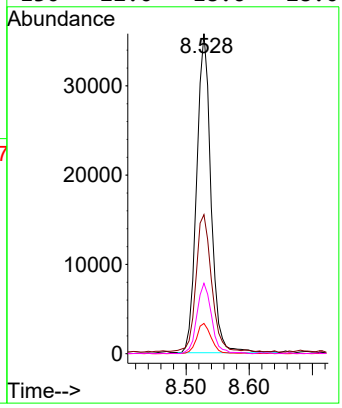


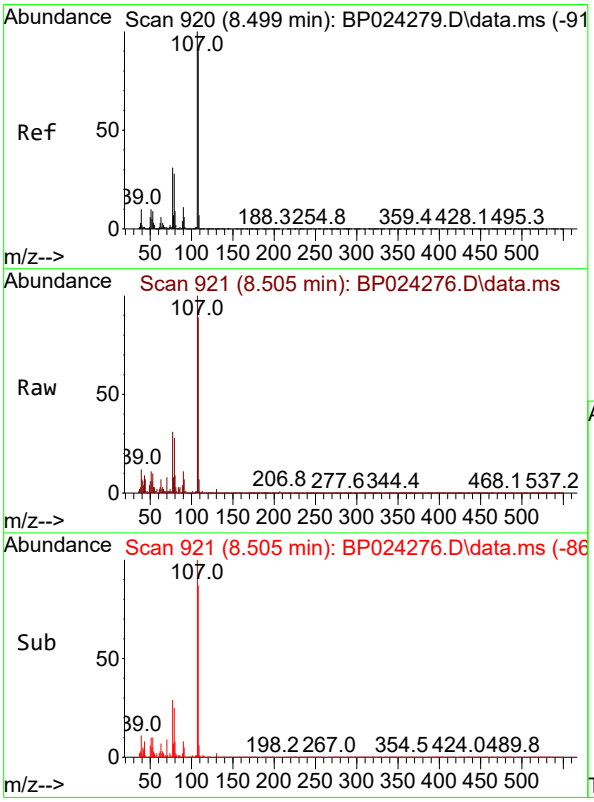
#19
n-Nitroso-di-n-propylamine
Concen: 4.896 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 56212

Ion	Ratio	Lower	Upper
70	100		
42	43.5	37.3	55.9
101	9.4	8.2	12.4
130	22.0	18.6	28.0

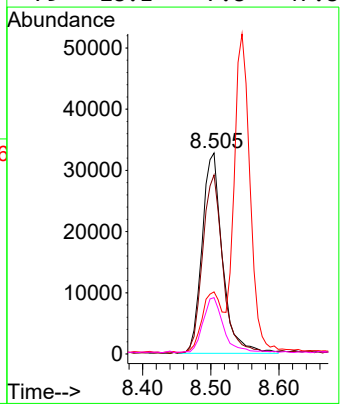


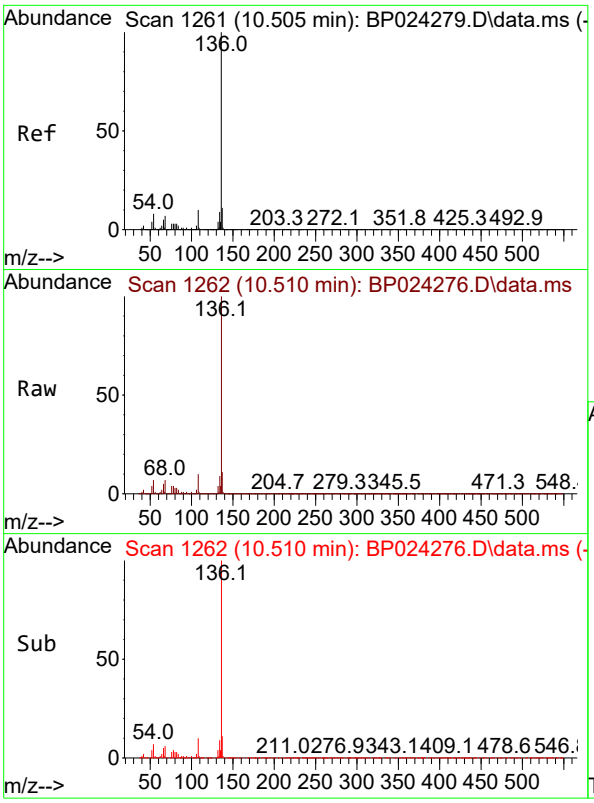


#20
3+4-Methylphenols
Concen: 4.120 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 68264

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.8	109.8
77	30.9	11.5	51.5
79	28.1	7.8	47.8



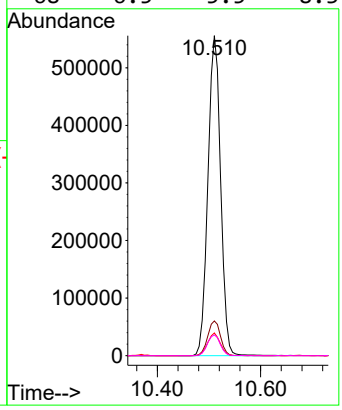


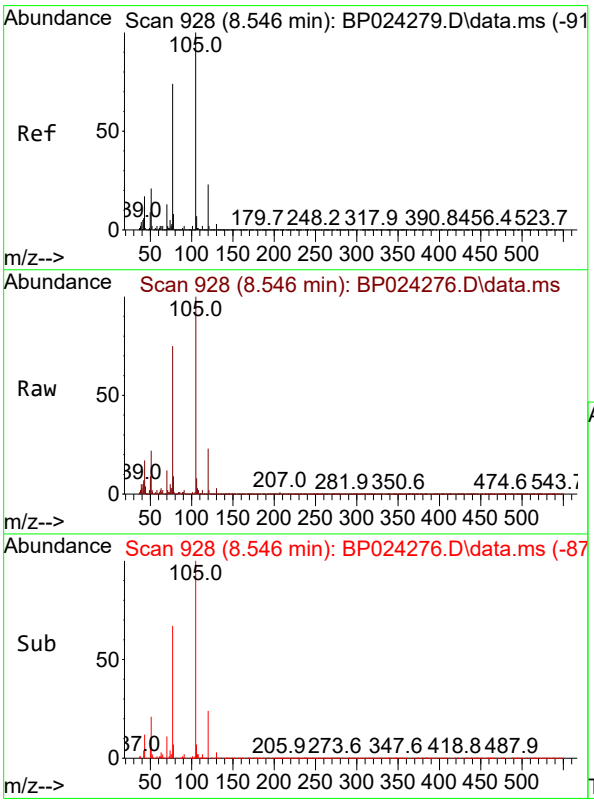
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 946483

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.1	6.0	9.0
68	6.5	5.5	8.3

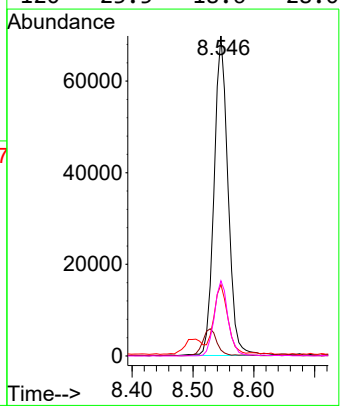


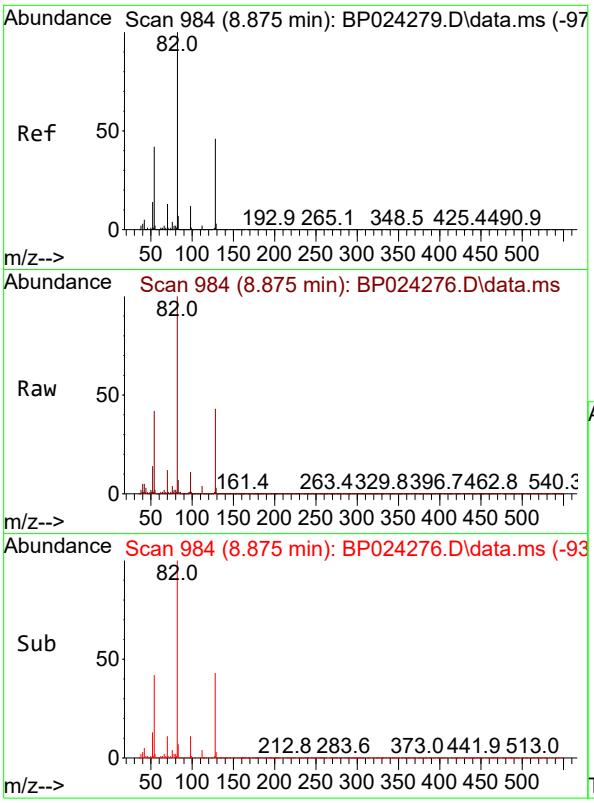


#22
Acetophenone
Concen: 4.725 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:105 Resp: 111159

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	22.3	16.9	25.3
120	23.5	18.6	28.0



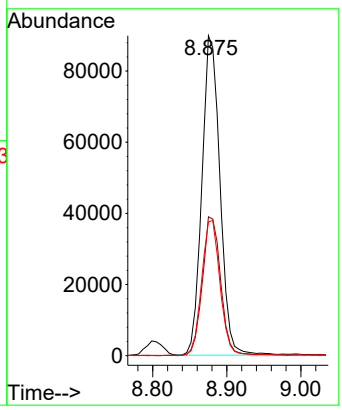


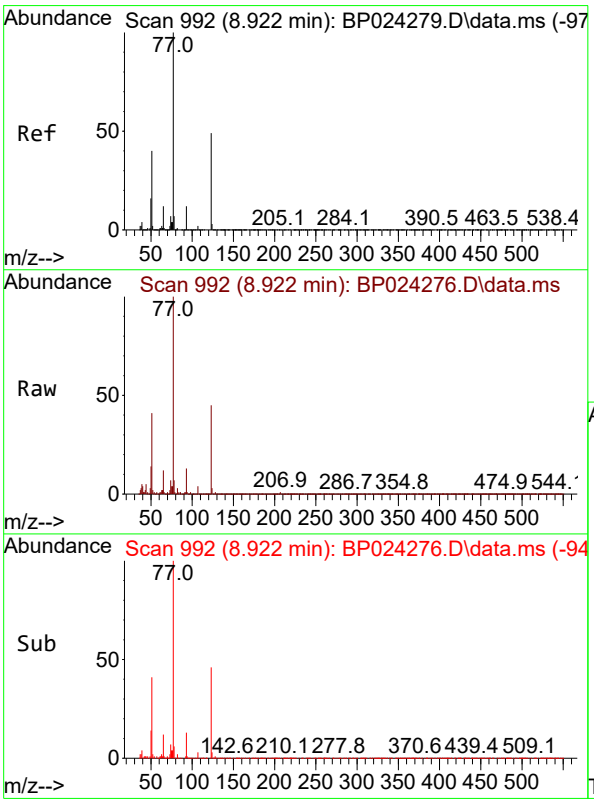
#23
Nitrobenzene-d5
Concen: 9.160 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 152286

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.5	54.7
54	41.8	33.4	50.2

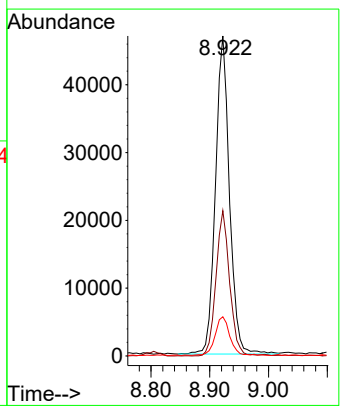


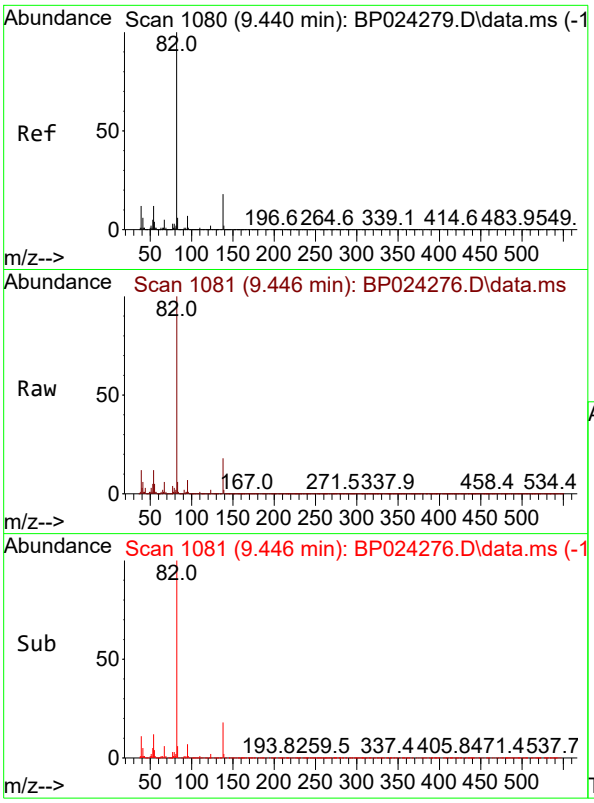


#24
Nitrobenzene
Concen: 4.709 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 77 Resp: 77593

Ion	Ratio	Lower	Upper
77	100		
123	45.4	39.2	58.8
65	12.3	9.8	14.6



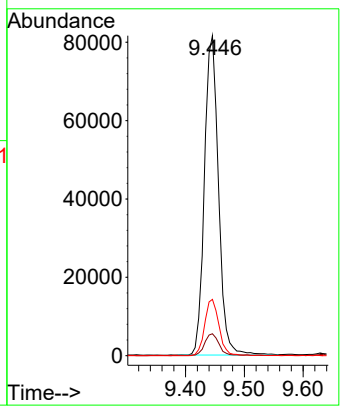


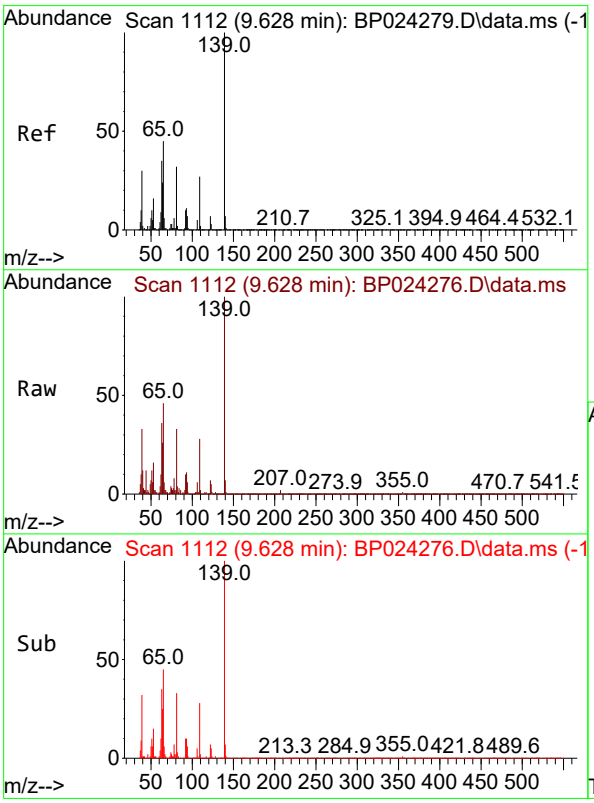
#25
Isophorone
Concen: 4.534 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 136090

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.6	14.4	21.6

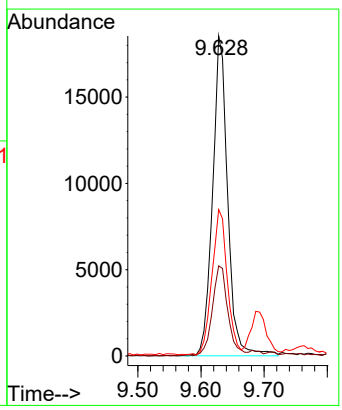


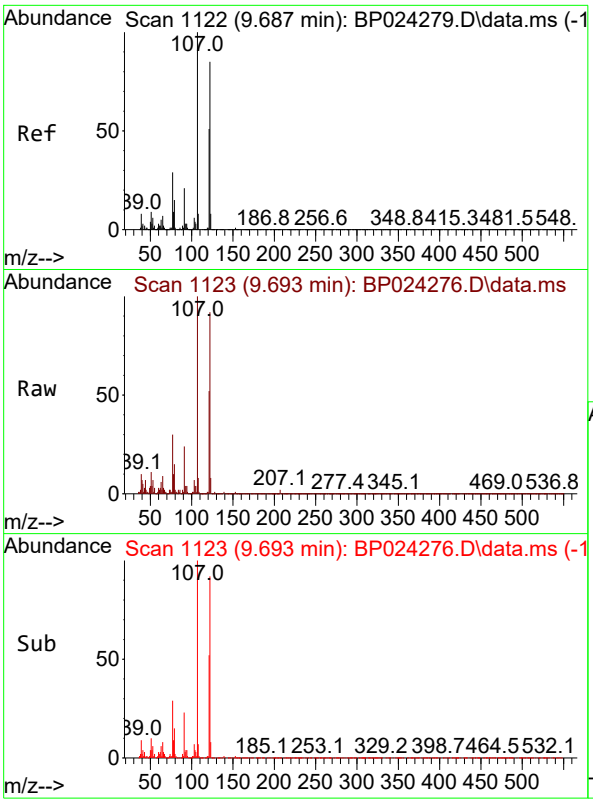


#26
2-Nitrophenol
Concen: 3.882 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 30712

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	45.7	36.2	54.2



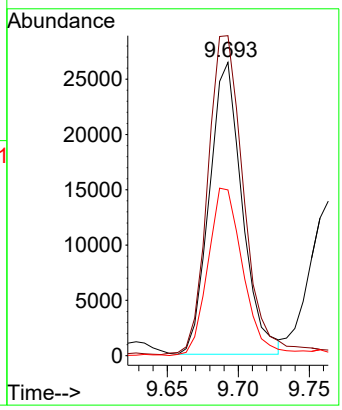


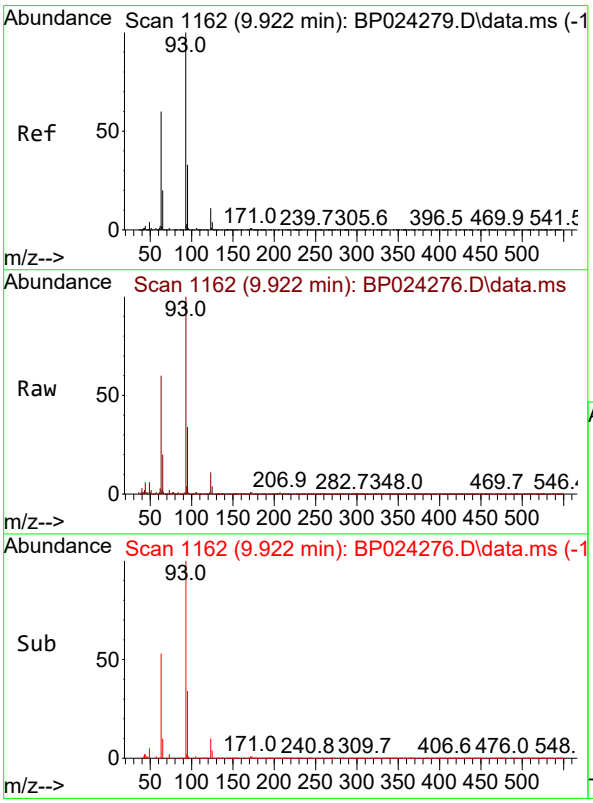
#27
2,4-Dimethylphenol
Concen: 4.239 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 42510

Ion	Ratio	Lower	Upper
122	100		
107	109.1	93.7	140.5
121	56.5	48.2	72.2

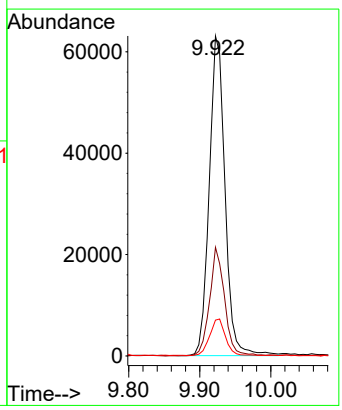


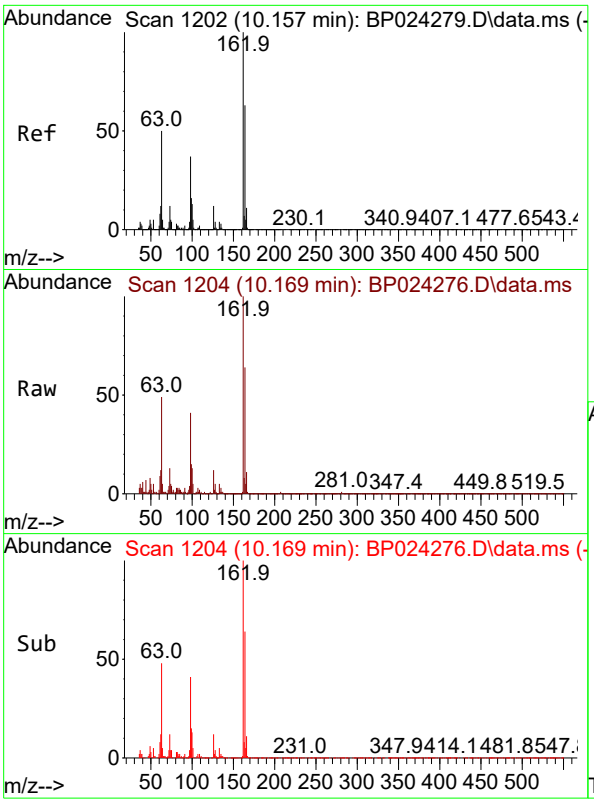


#28
bis(2-Chloroethoxy)methane
Concen: 4.774 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 97512

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.2	9.1	13.7



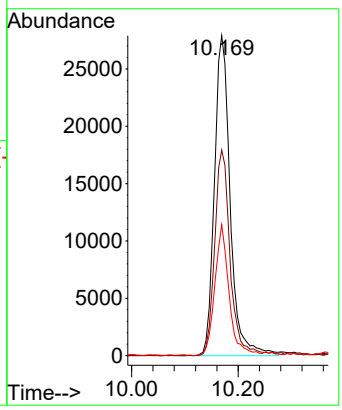


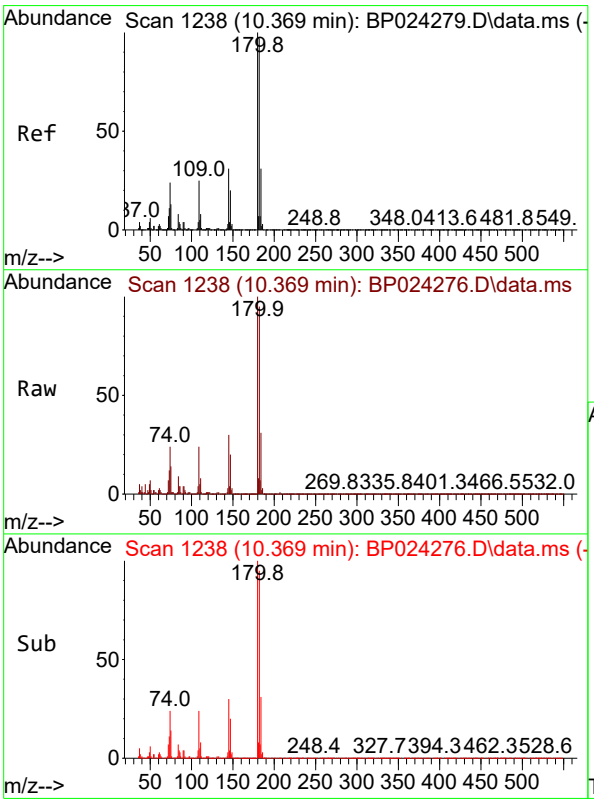
#29
2,4-Dichlorophenol
Concen: 4.193 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 57301

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	41.0	16.6	56.6

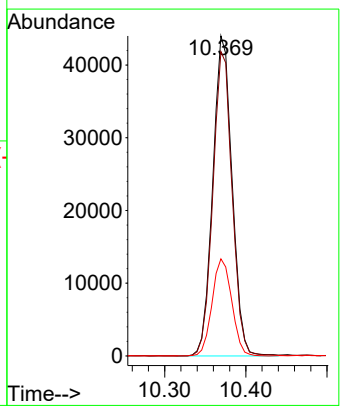


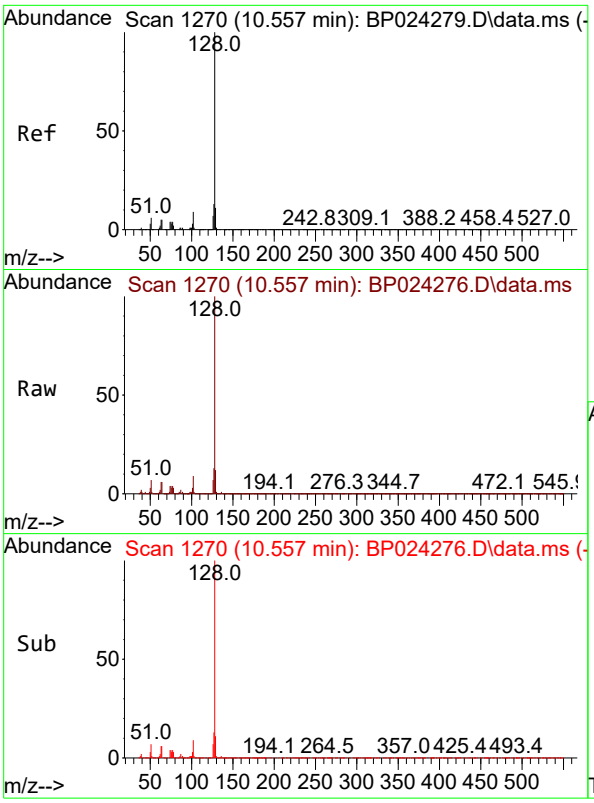


#30
1,2,4-Trichlorobenzene
Concen: 4.923 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:180 Resp: 72789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	30.3	25.1	37.7



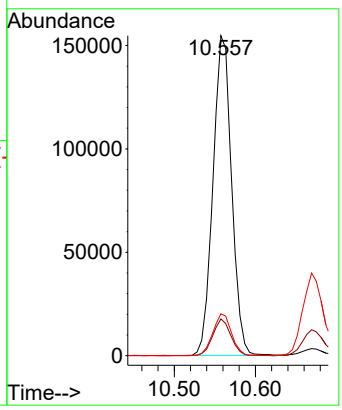


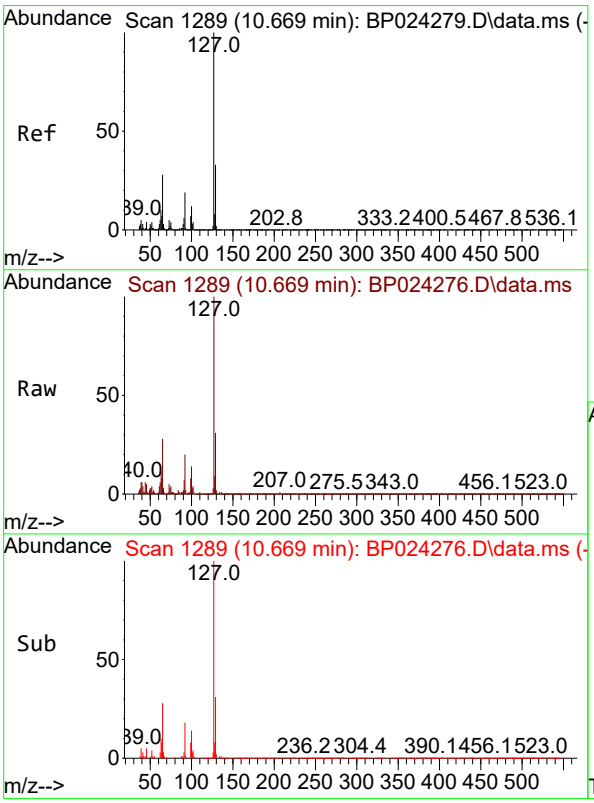
#31
Naphthalene
Concen: 4.930 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 246999

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.3	15.5

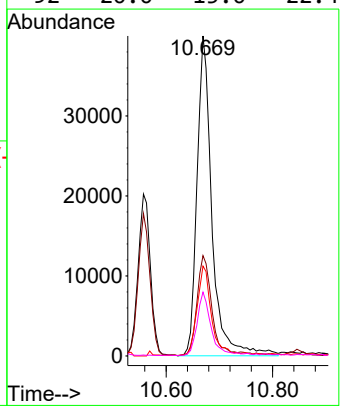


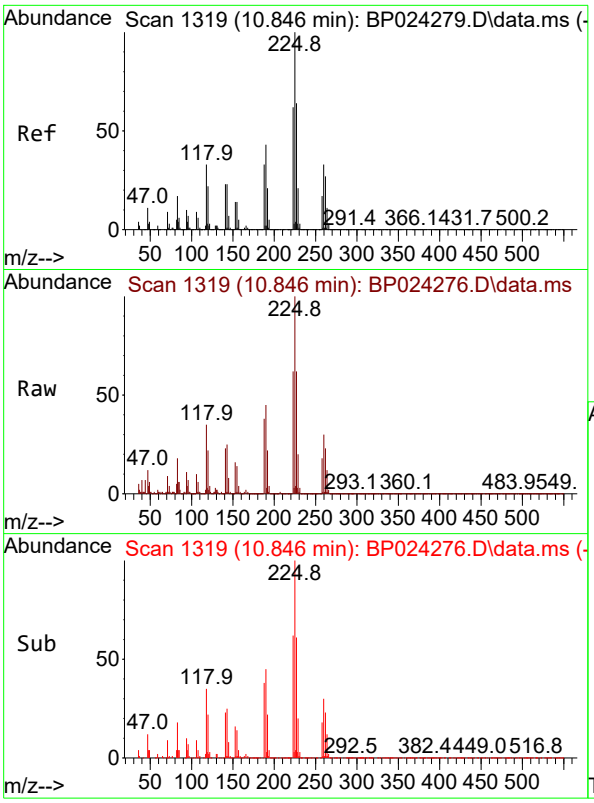


#33
4-Chloroaniline
Concen: 4.437 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:127 Resp: 77667

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	20.0	15.0	22.4



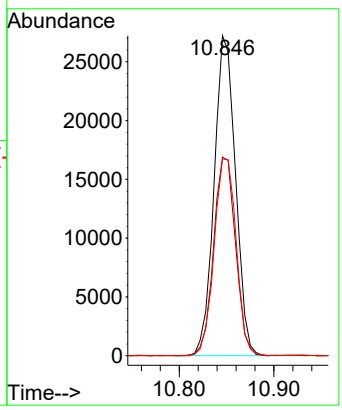


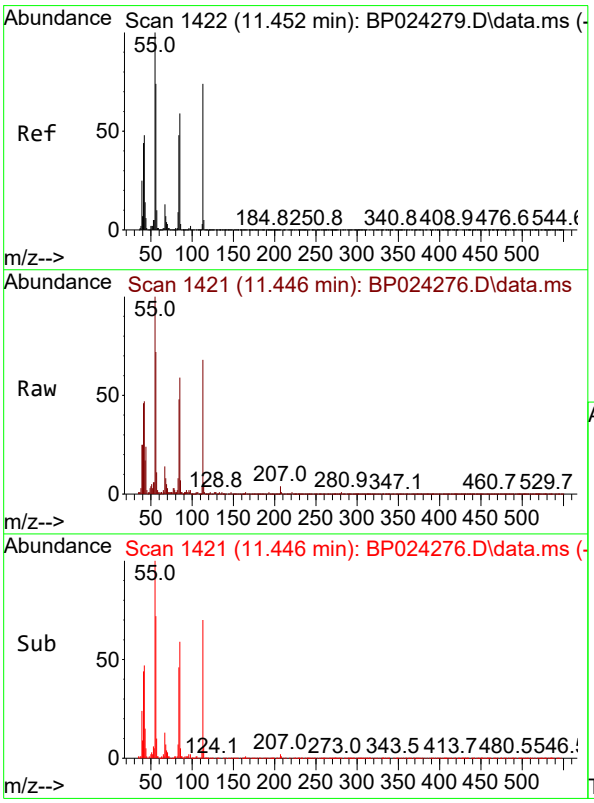
#34
Hexachlorobutadiene
Concen: 4.926 ng
RT: 10.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 42723

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.5	74.3
227	61.5	50.9	76.3

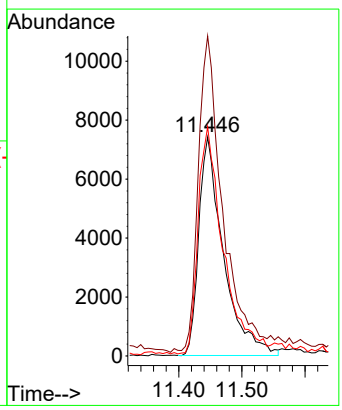


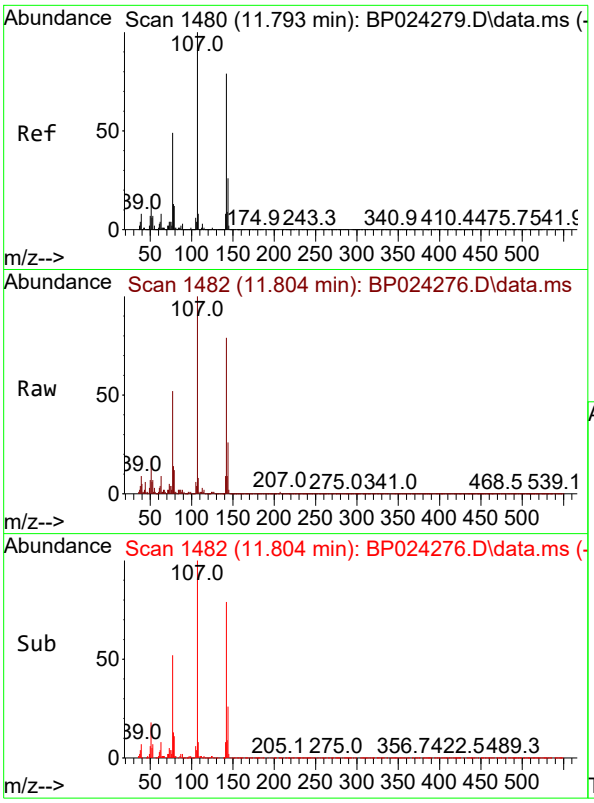


#35
Caprolactam
Concen: 4.002 ng
RT: 11.446 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:113 Resp: 20082

Ion	Ratio	Lower	Upper
113	100		
55	146.2	115.9	155.9
56	104.7	81.1	121.1



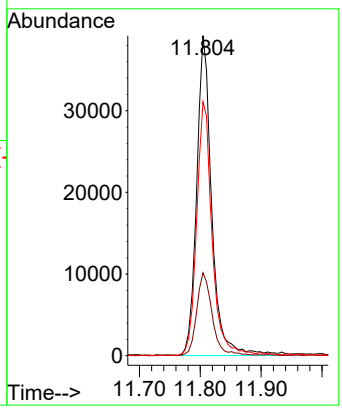


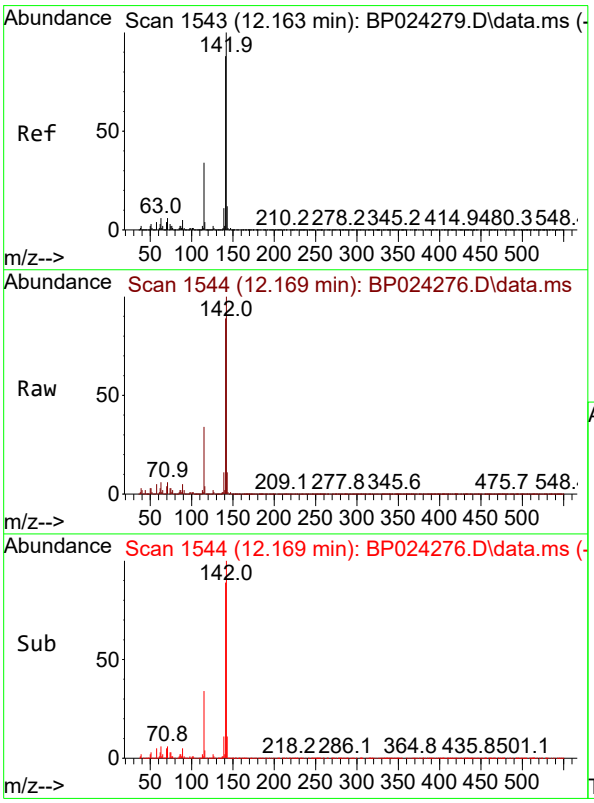
#36
4-Chloro-3-methylphenol
Concen: 4.214 ng
RT: 11.804 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 67116

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	79.3	63.4	95.2

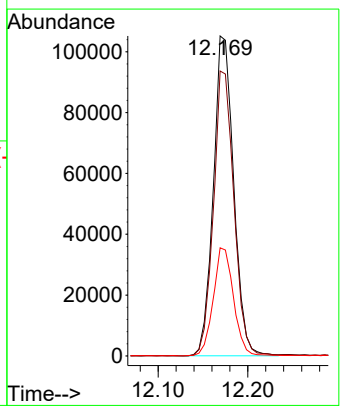


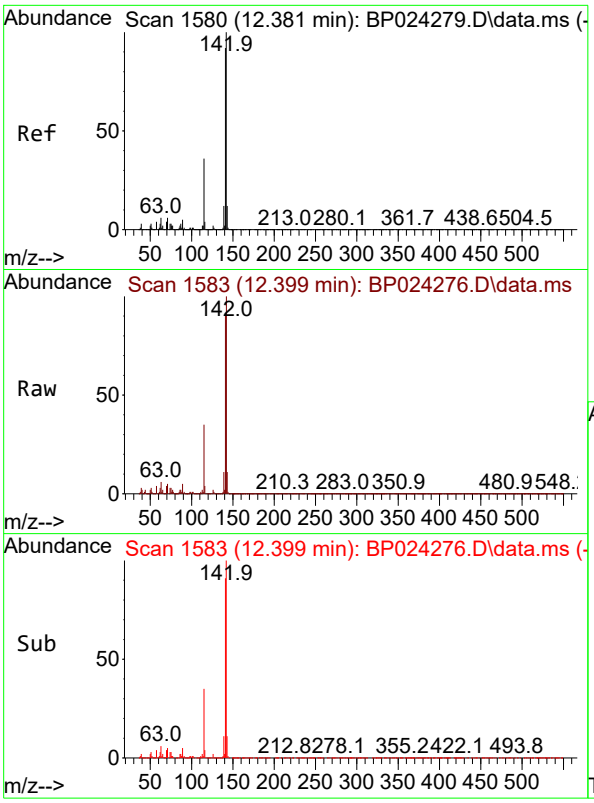


#37
2-Methylnaphthalene
Concen: 4.770 ng
RT: 12.169 min Scan# 1544
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:142 Resp: 165617

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	33.8	26.9	40.3



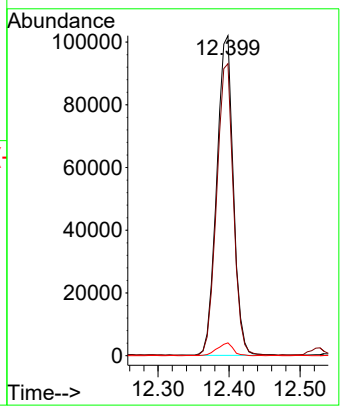


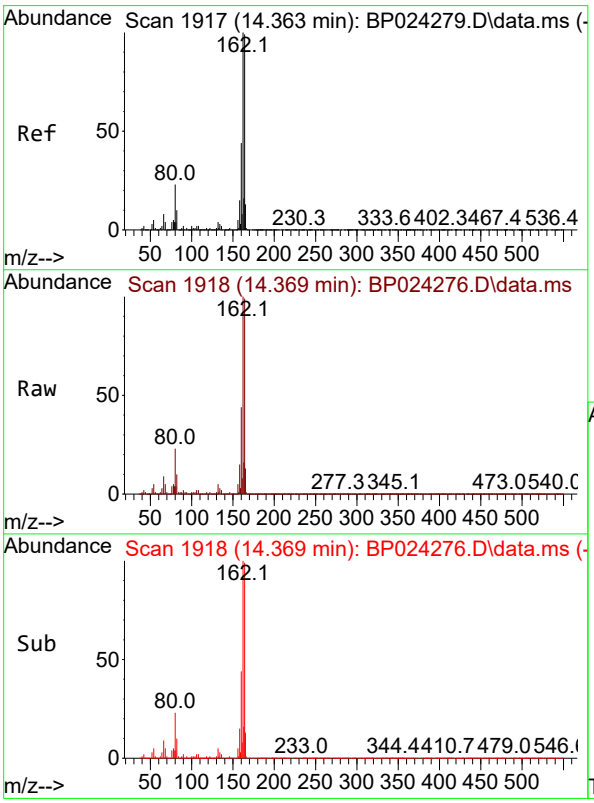
#38
1-Methylnaphthalene
Concen: 4.870 ng
RT: 12.399 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 165656

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4
116	4.0	3.0	4.6

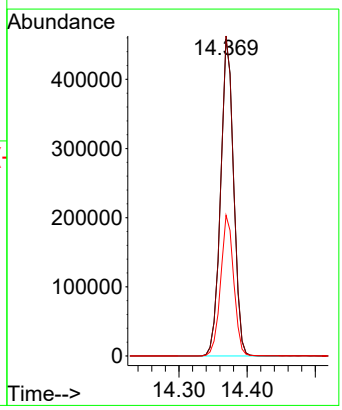


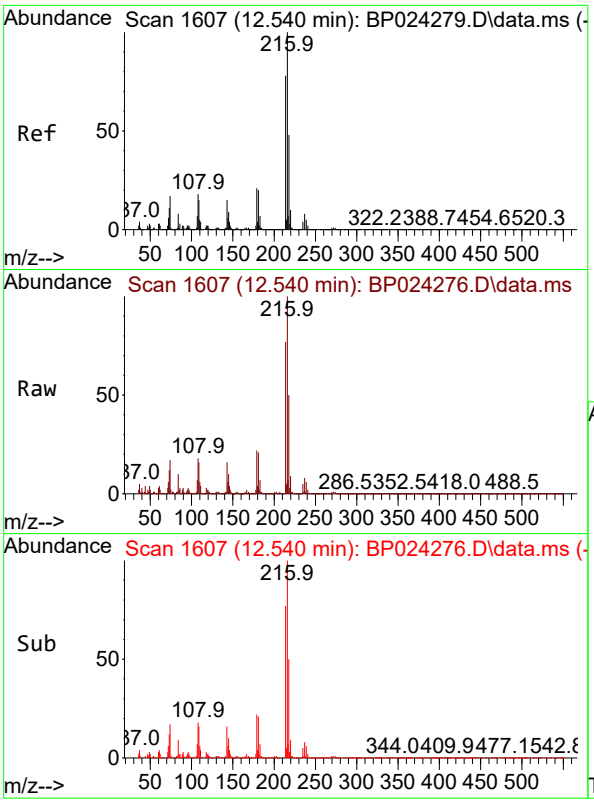


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:164 Resp: 609743

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.4	35.3	52.9



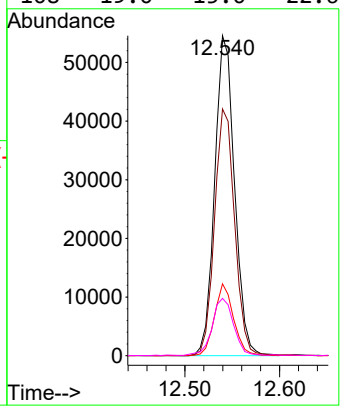


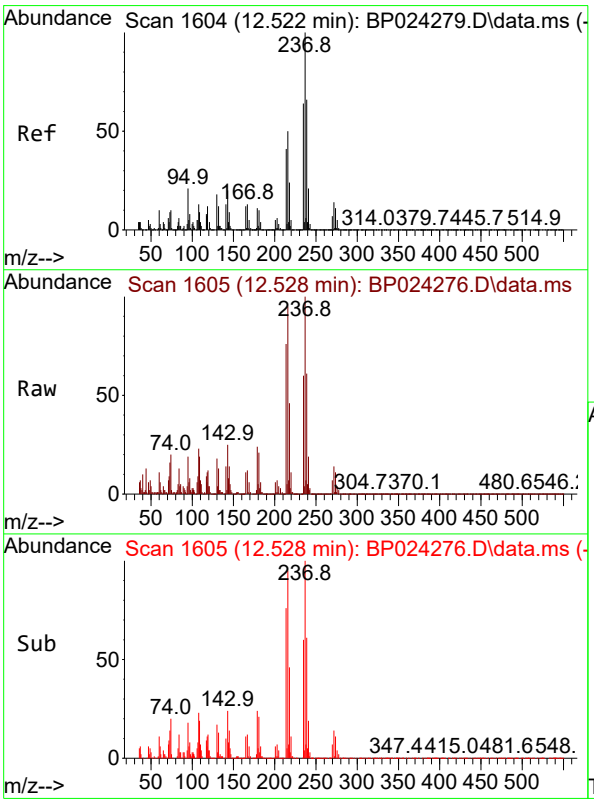
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.744 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 79501

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	93.8
179	21.7	17.2	25.8
108	19.0	15.0	22.6

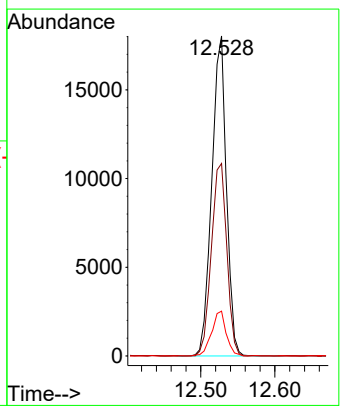


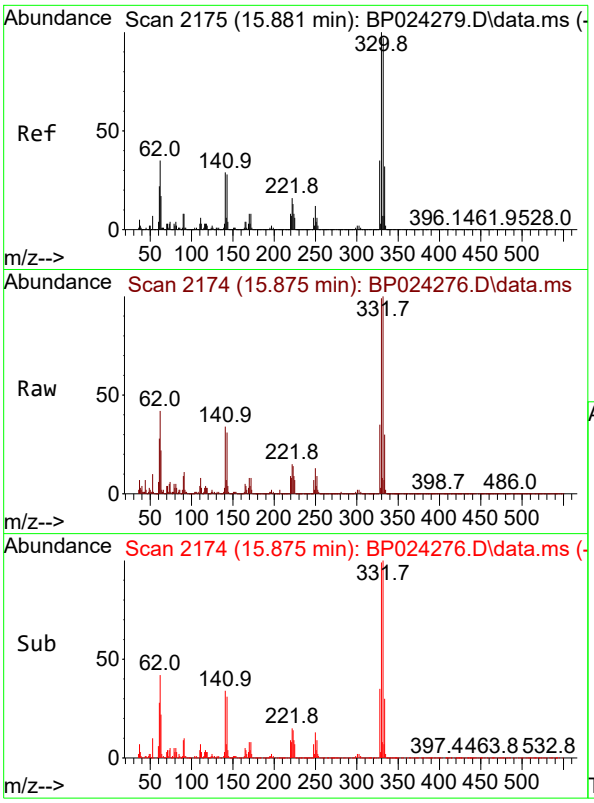


#41
Hexachlorocyclopentadiene
Concen: 4.198 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:237 Resp: 24696

Ion	Ratio	Lower	Upper
237	100		
235	60.2	43.9	83.9
272	14.0	0.0	33.6



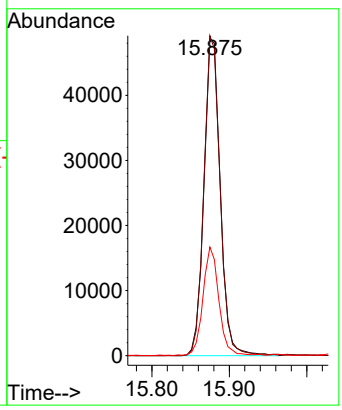


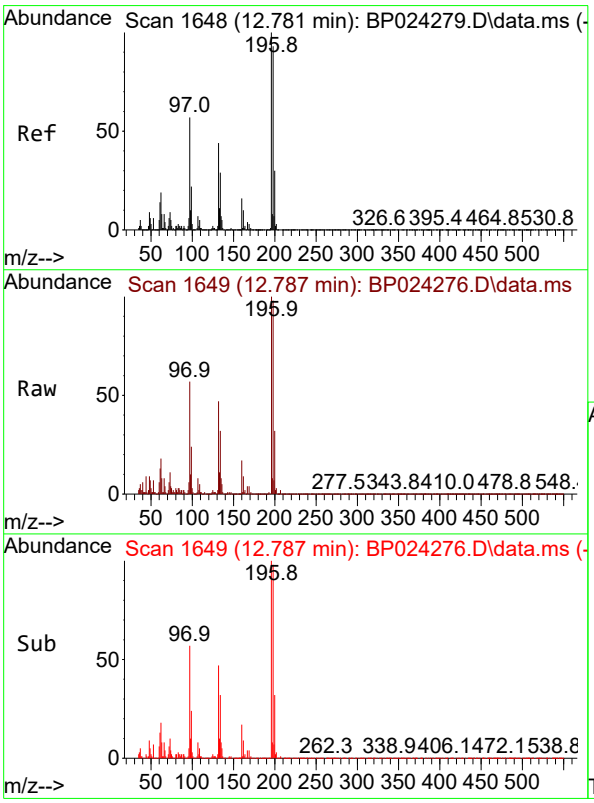
#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71560

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.1	115.7
141	33.2	24.7	37.1

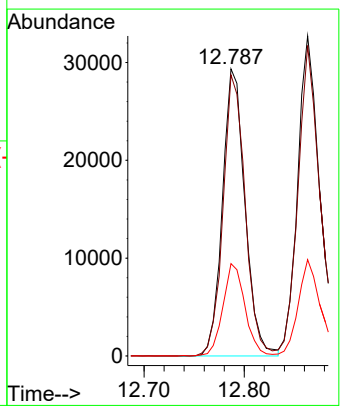


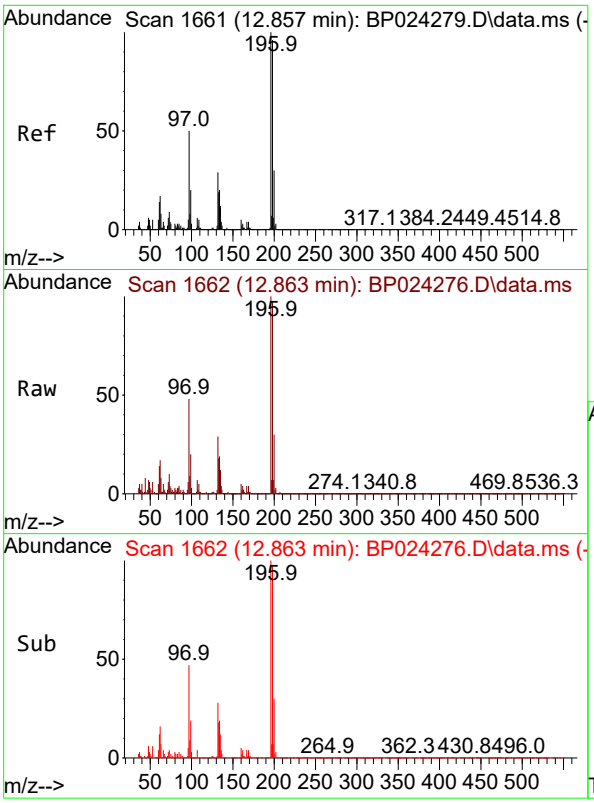


#43
2,4,6-Trichlorophenol
Concen: 4.165 ng
RT: 12.787 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:196 Resp: 45925

Ion	Ratio	Lower	Upper
196	100		
198	97.9	74.3	111.5
200	32.2	24.0	36.0



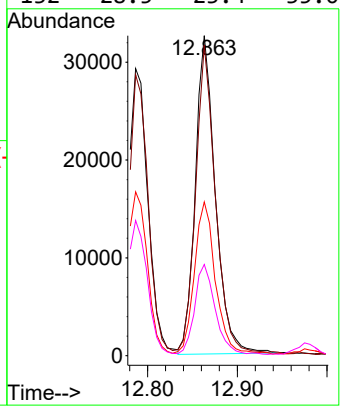


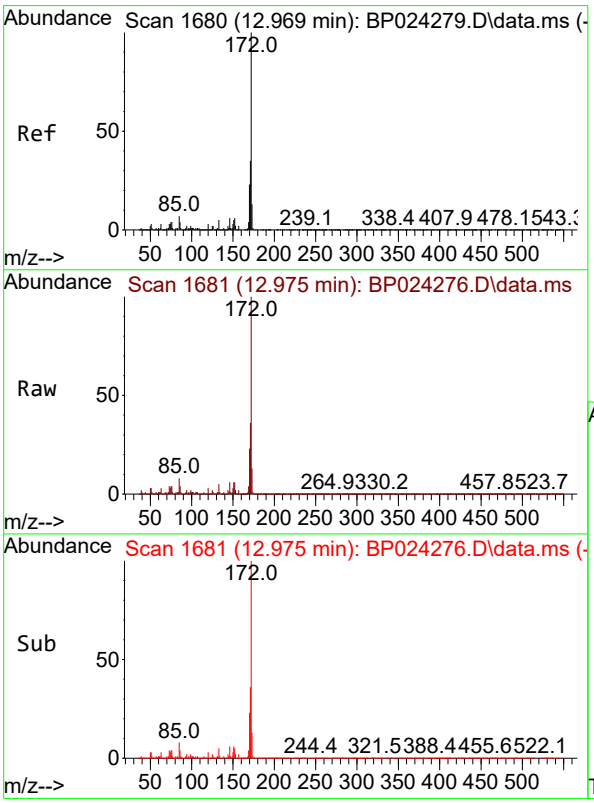
#44
2,4,5-Trichlorophenol
Concen: 4.147 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 50675

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.1	40.4	60.6
132	28.5	23.4	35.0

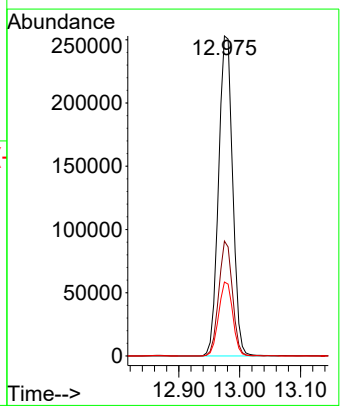


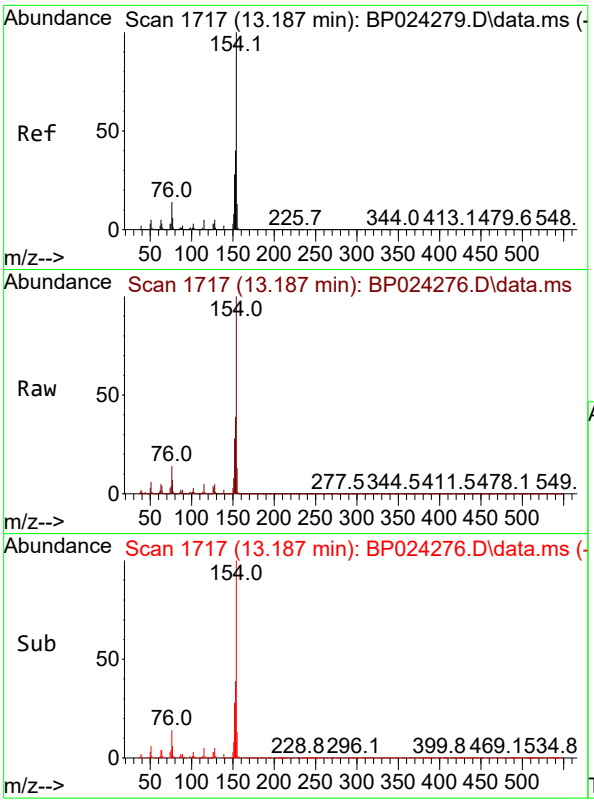


#45
2-Fluorobiphenyl
Concen: 10.111 ng
RT: 12.975 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:172 Resp: 406060

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.1	18.6	27.8



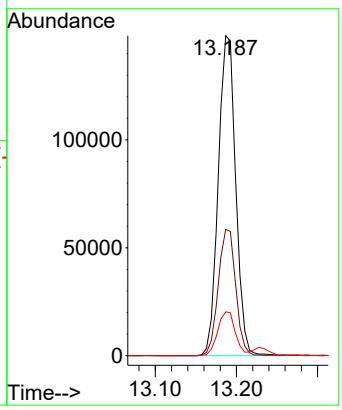


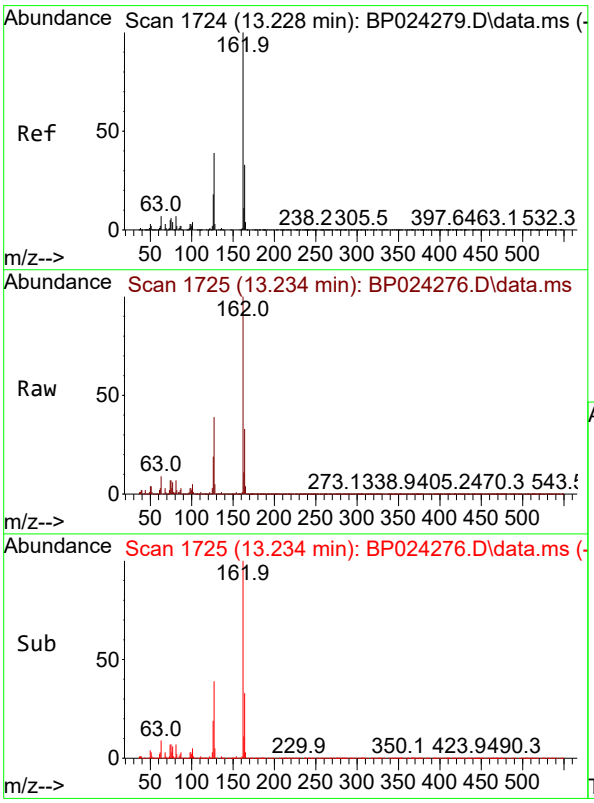
#46
1,1'-Biphenyl
Concen: 4.922 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 221653

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.3	60.3
76	13.7	0.0	33.5

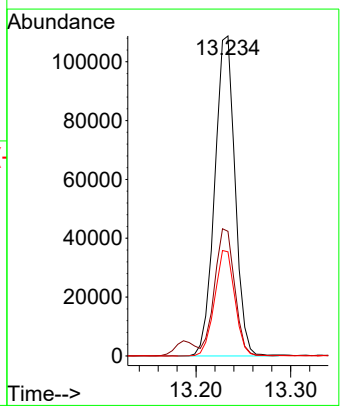


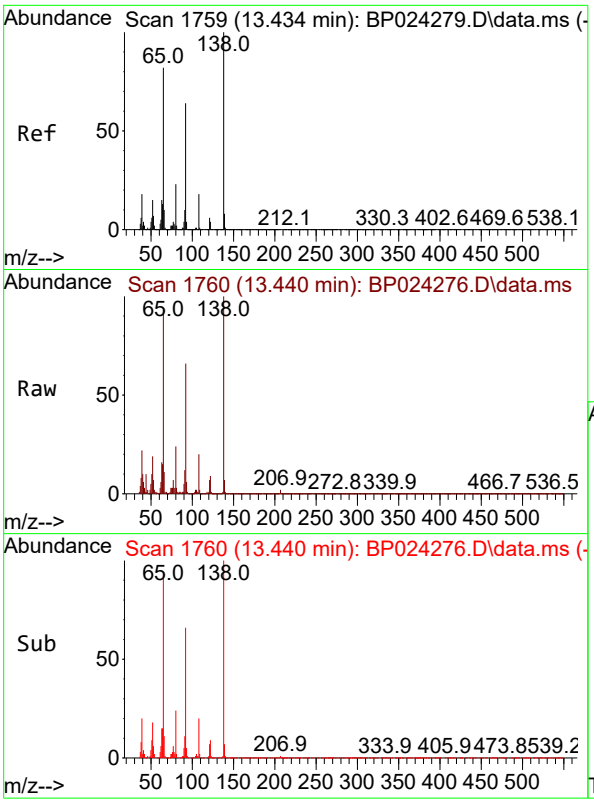


#47
2-Chloronaphthalene
Concen: 4.824 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:162 Resp: 162099

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.9	47.9
164	32.5	26.2	39.4



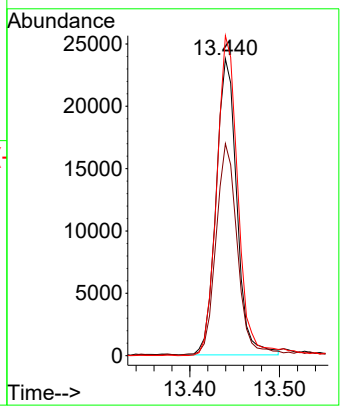


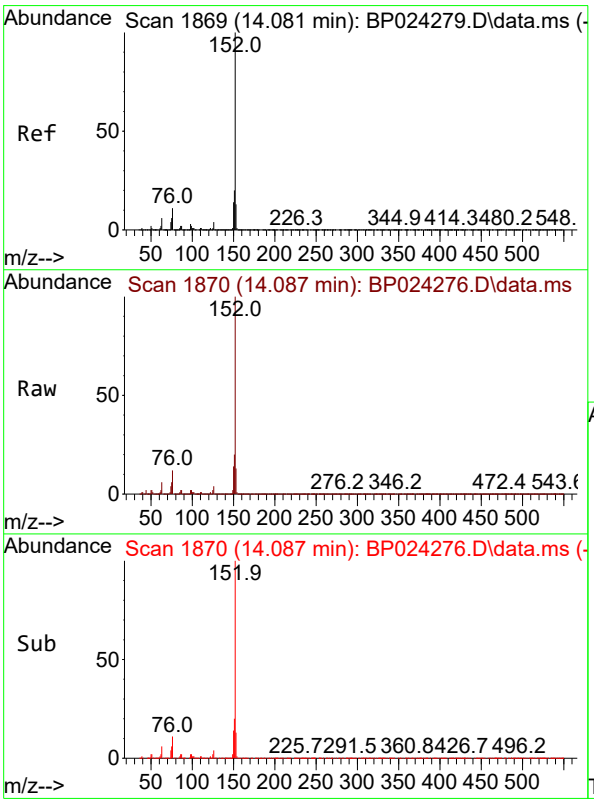
#48
2-Nitroaniline
Concen: 4.111 ng
RT: 13.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38152

Ion	Ratio	Lower	Upper
65	100		
92	71.5	62.3	93.5
138	107.8	97.2	145.8

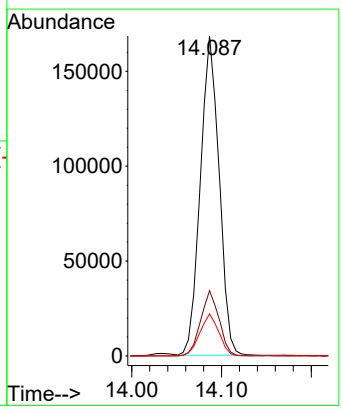


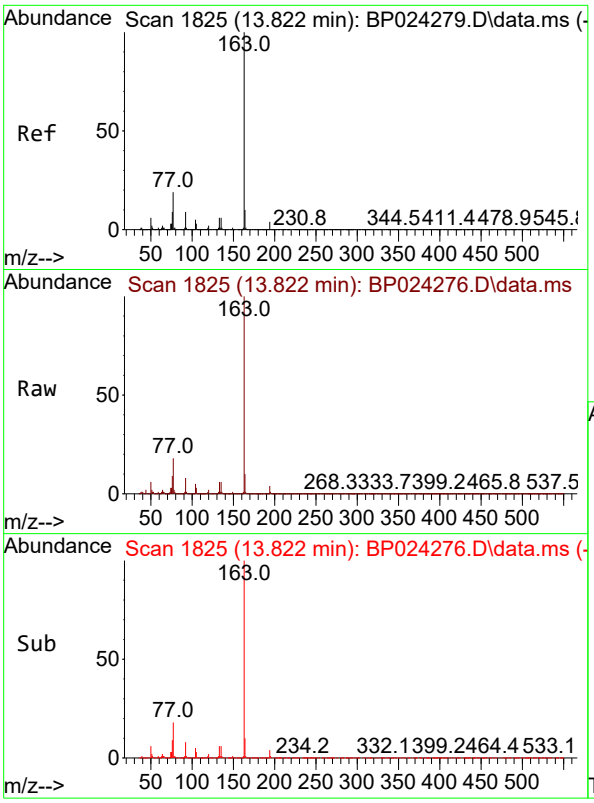


#49
Acenaphthylene
Concen: 4.637 ng
RT: 14.087 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:152 Resp: 244566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.2	10.6	15.8



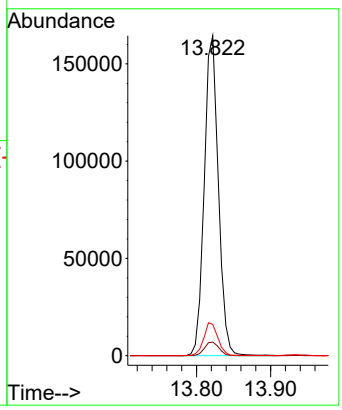


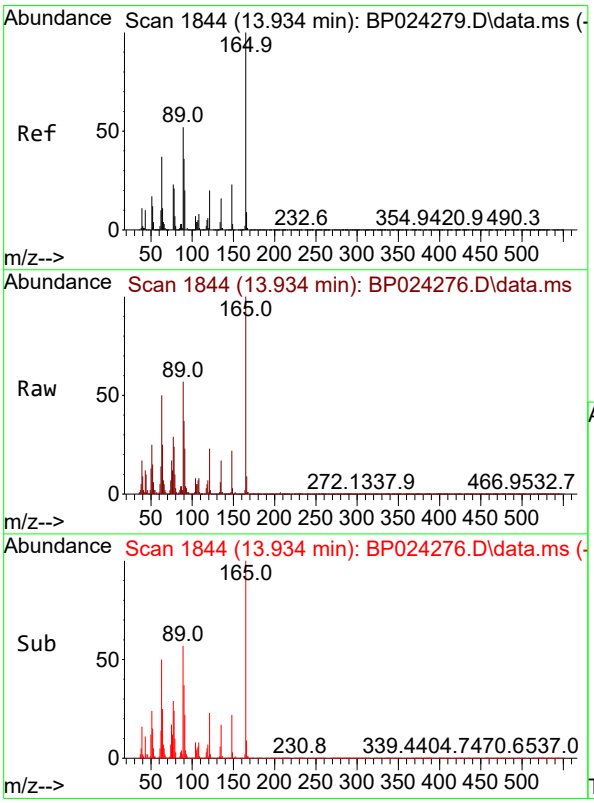
#50
Dimethylphthalate
Concen: 4.897 ng
RT: 13.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 217848

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.0	12.0

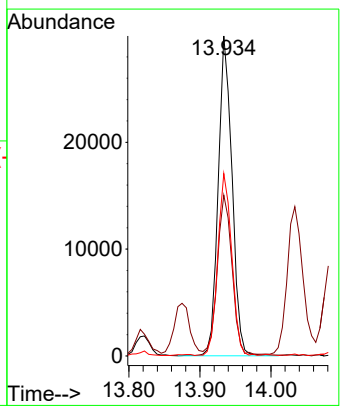


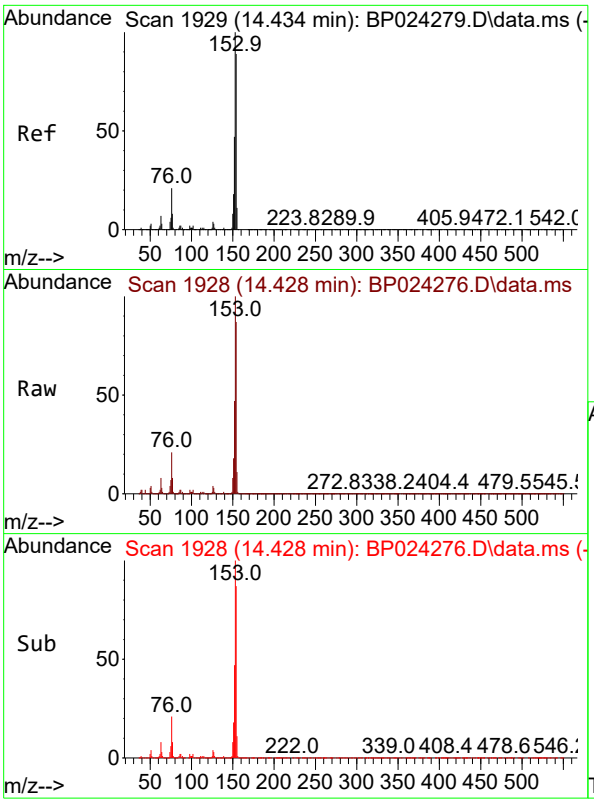


#51
2,6-Dinitrotoluene
Concen: 4.287 ng
RT: 13.934 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:165 Resp: 40182

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	57.0	41.7	62.5



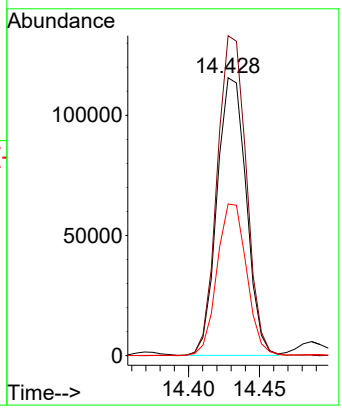


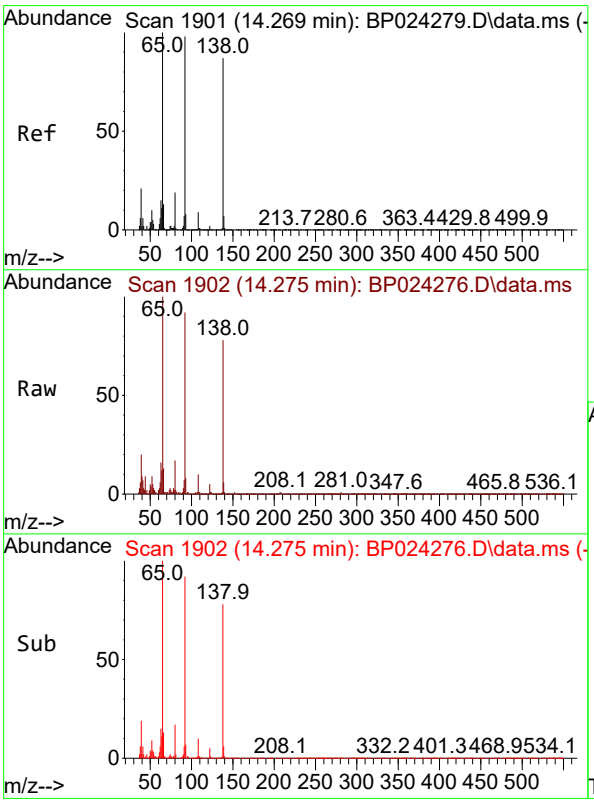
#52
Acenaphthene
Concen: 4.940 ng
RT: 14.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 165694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.8	134.6
152	54.6	42.6	63.8

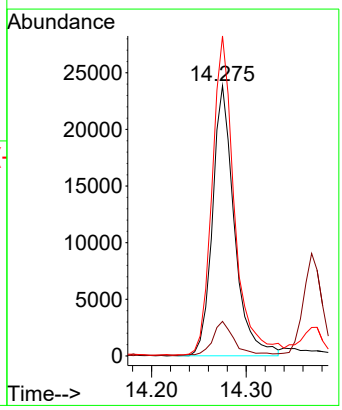


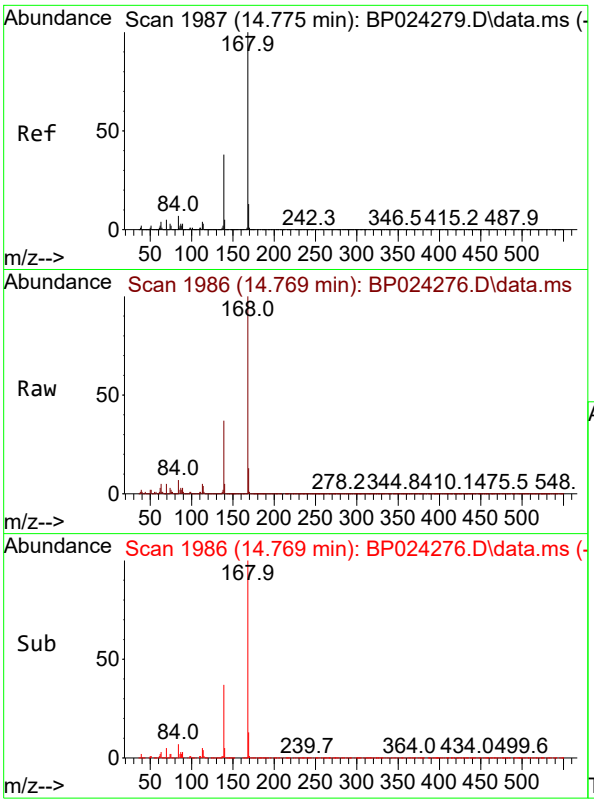


#53
3-Nitroaniline
Concen: 3.926 ng
RT: 14.275 min Scan# 1902
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 38178

Ion	Ratio	Lower	Upper
138	100		
108	12.8	8.3	12.5#
92	118.4	89.8	134.8



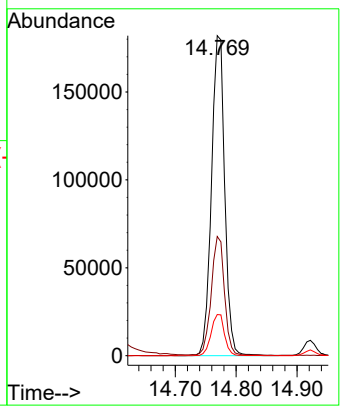


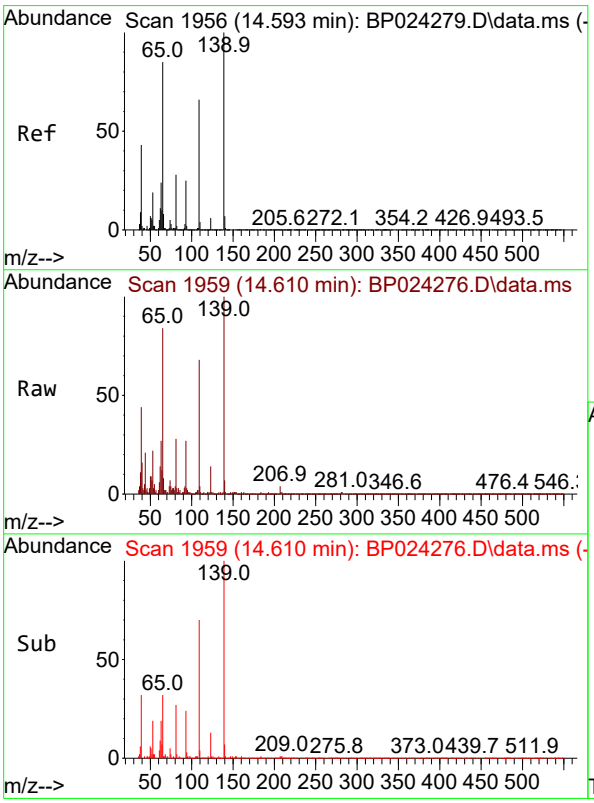
#55
Dibenzofuran
Concen: 4.991 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 274506

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	12.9	10.6	16.0

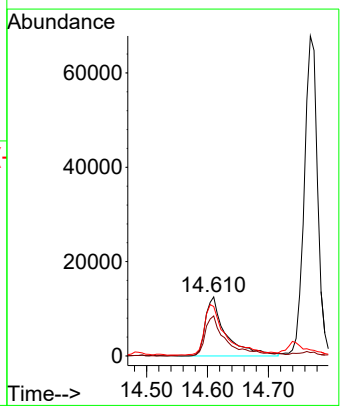


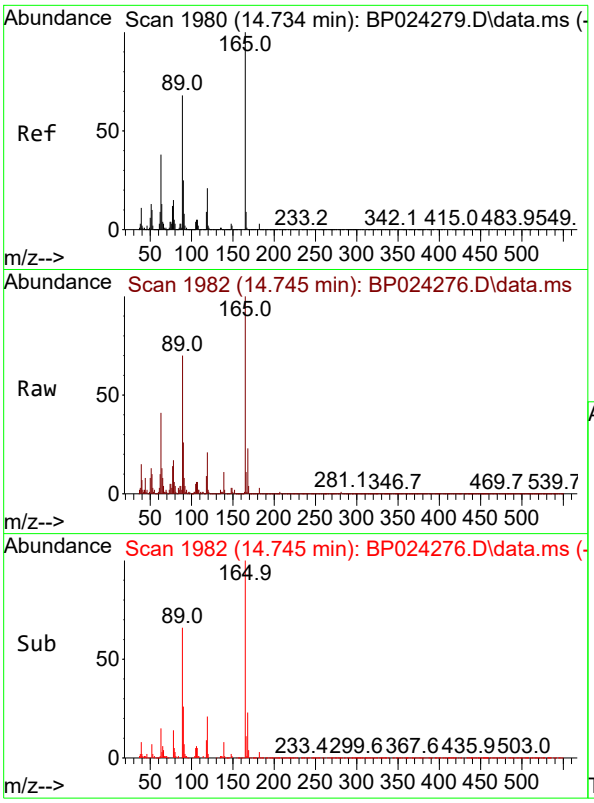


#56
4-Nitrophenol
Concen: 3.473 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 29033

Ion	Ratio	Lower	Upper
139	100		
109	67.8	46.1	86.1
65	83.9	65.0	105.0



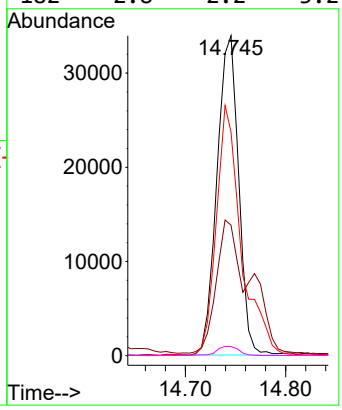


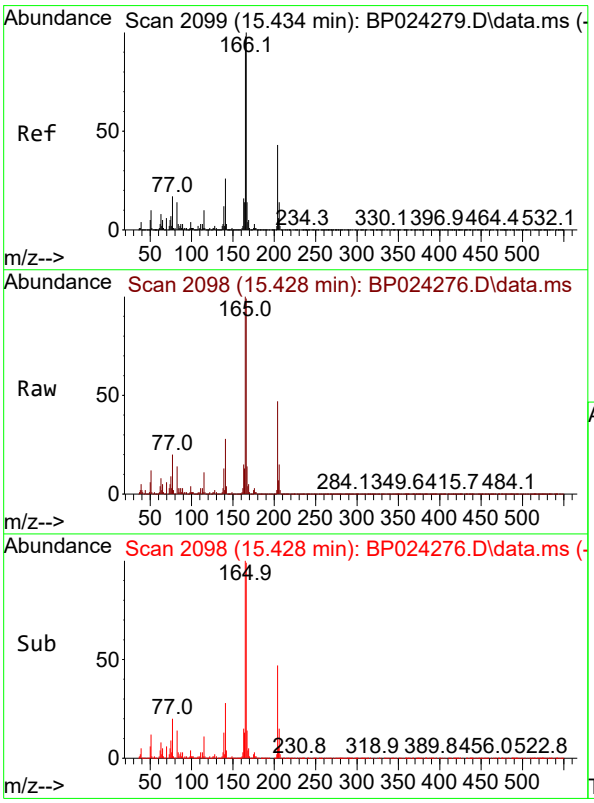
#57
2,4-Dinitrotoluene
Concen: 4.013 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 50843

Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.4	45.6
89	69.9	54.6	82.0
182	2.8	2.2	3.2

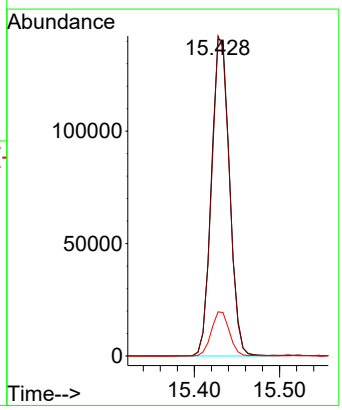


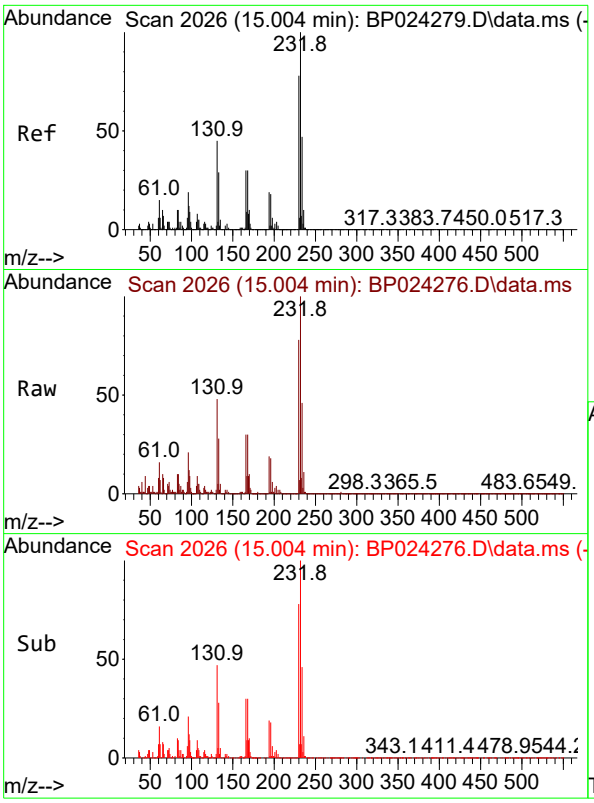


#58
Fluorene
Concen: 4.939 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:166 Resp: 209763

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.1	117.1
167	13.9	10.9	16.3



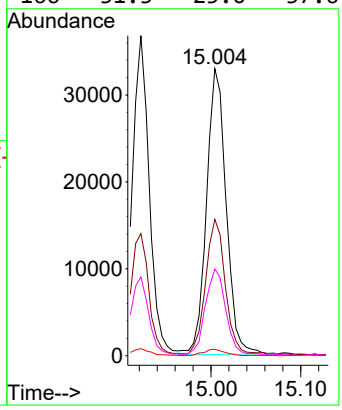


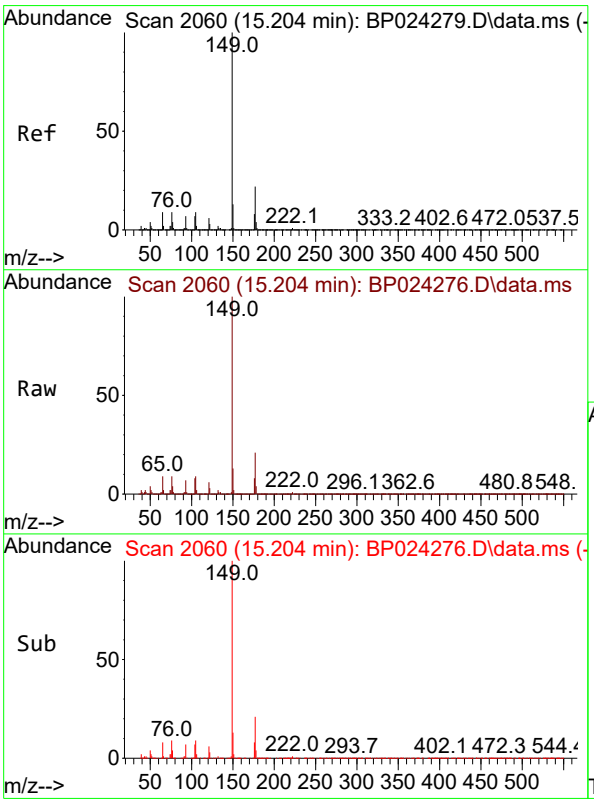
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.415 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 49911

Ion	Ratio	Lower	Upper
232	100		
131	48.4	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

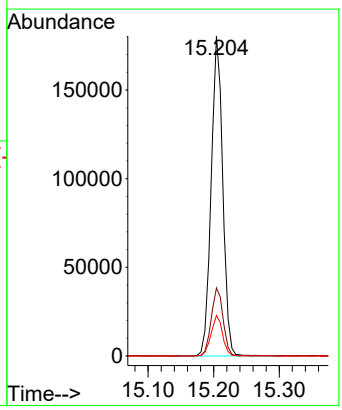


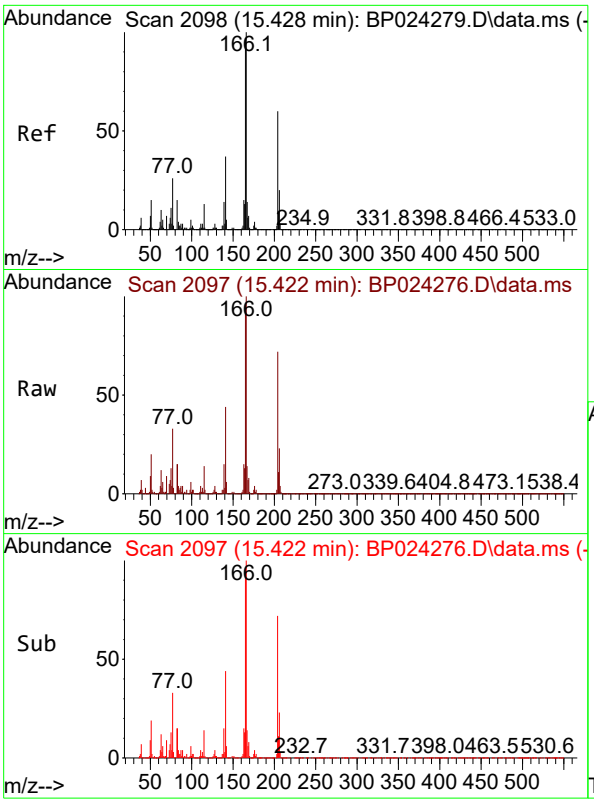


#60
Diethylphthalate
Concen: 4.830 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 221119

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.7	10.1	15.1



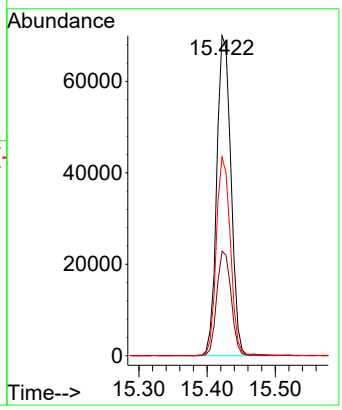


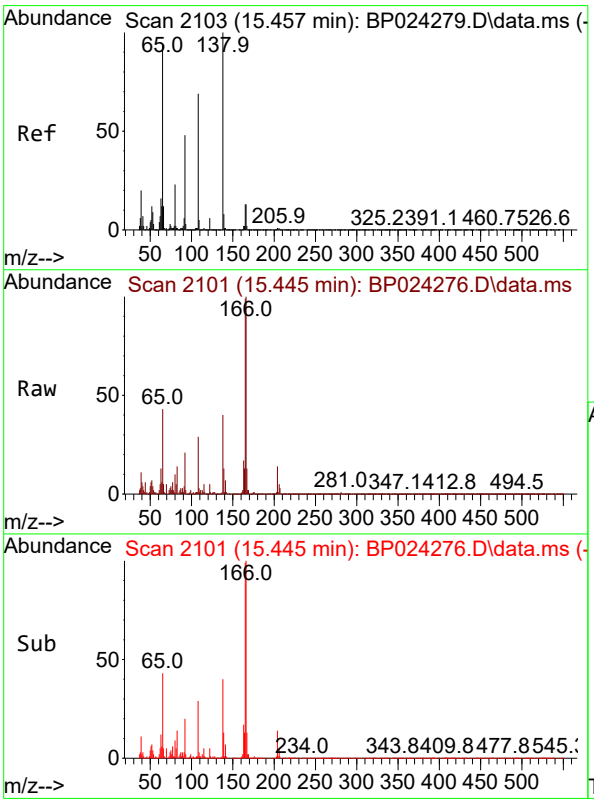
#61
4-Chlorophenyl-phenylether
Concen: 4.928 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 101636

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.0	49.4	74.0

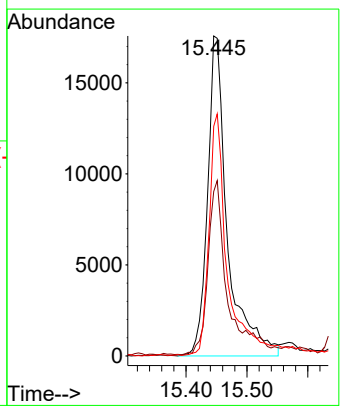


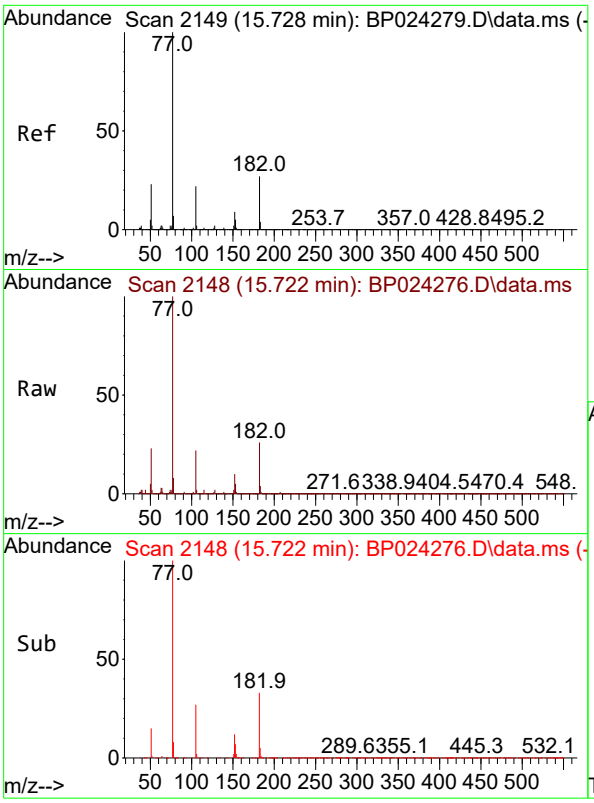


#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 40139

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.8	67.8
108	71.8	48.9	88.9



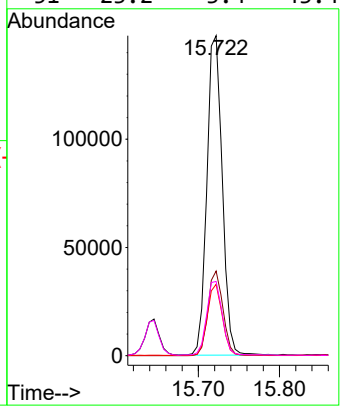


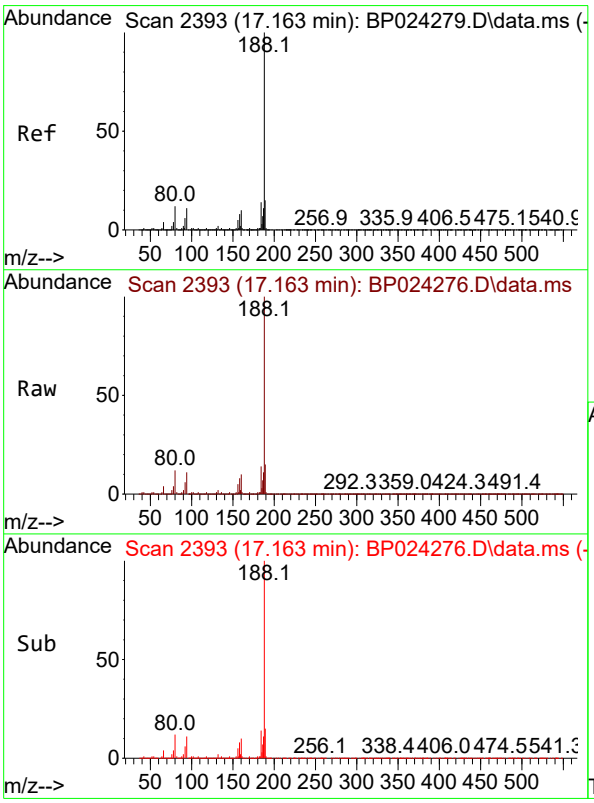
#63
Azobenzene
Concen: 4.586 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 193402

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.3	2.3	42.3
51	23.2	3.4	43.4

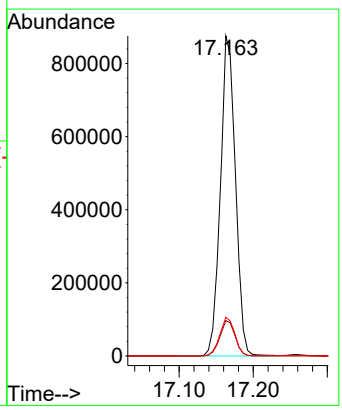


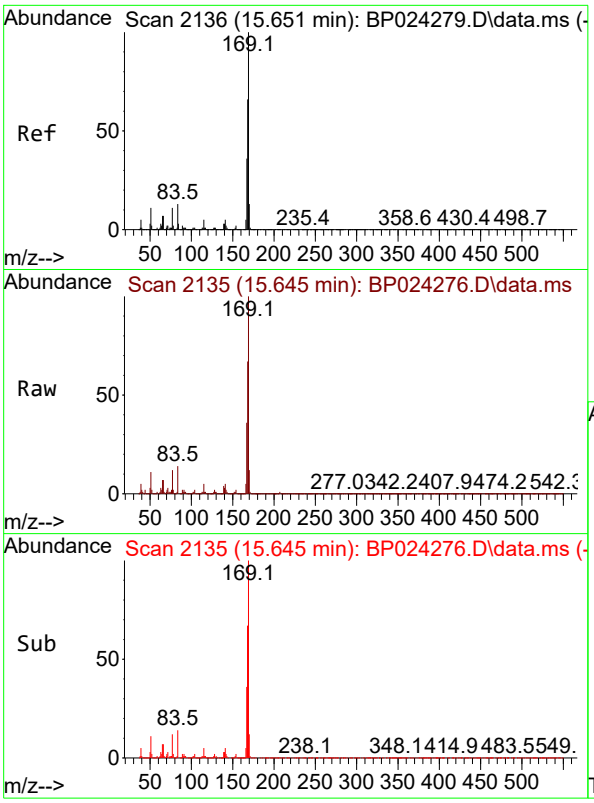


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:188 Resp: 1234074

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.1	9.8	14.6



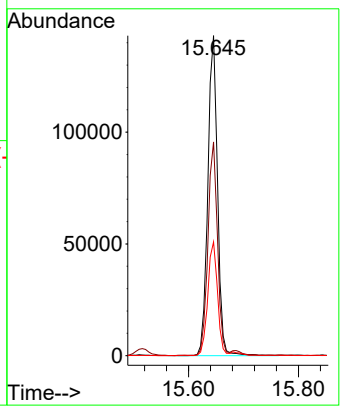


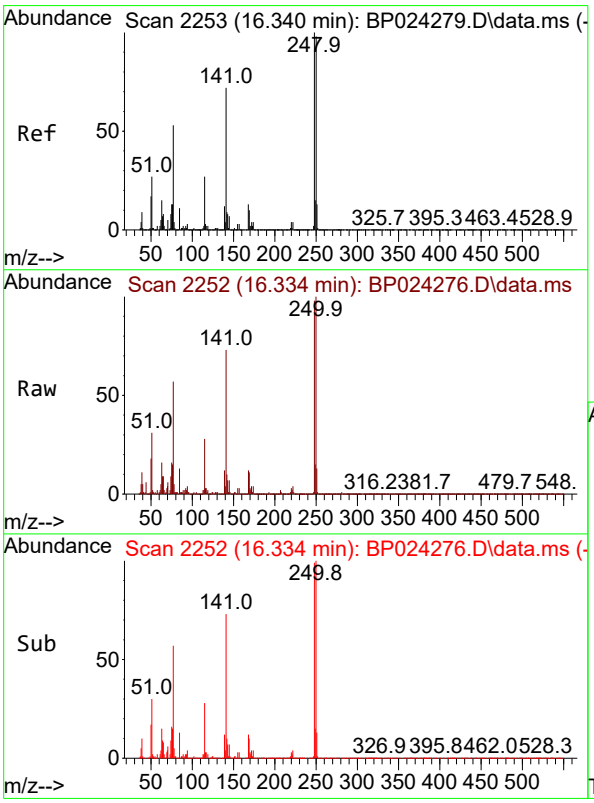
#66
n-Nitrosodiphenylamine
Concen: 4.726 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 174867

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.9	43.3

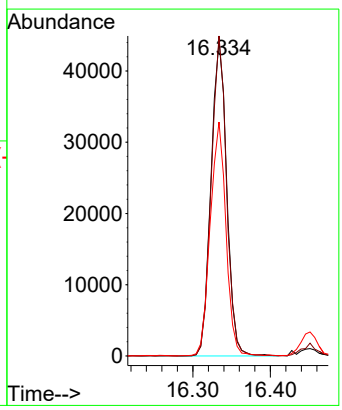


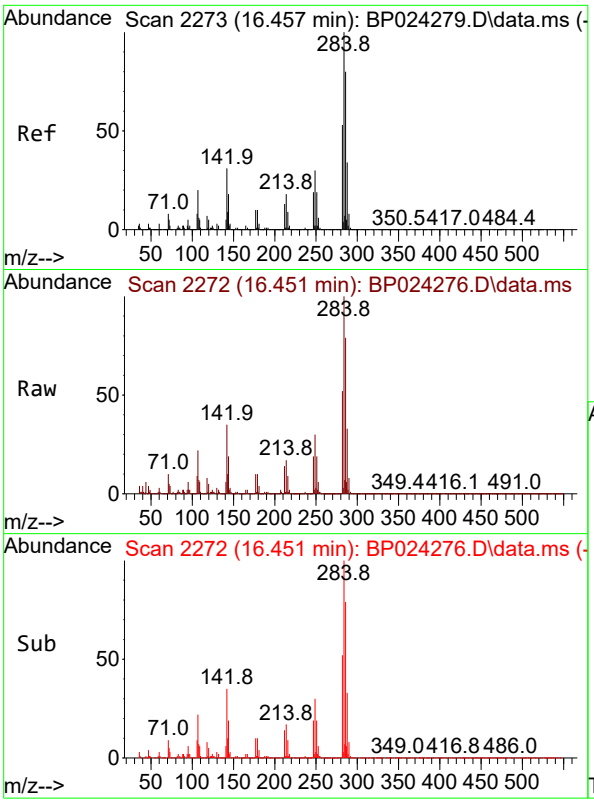


#67
4-Bromophenyl-phenylether
Concen: 4.647 ng
RT: 16.334 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:248 Resp: 62558

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.2	117.4
141	74.2	57.7	86.5



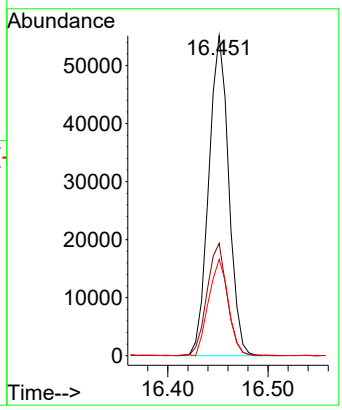


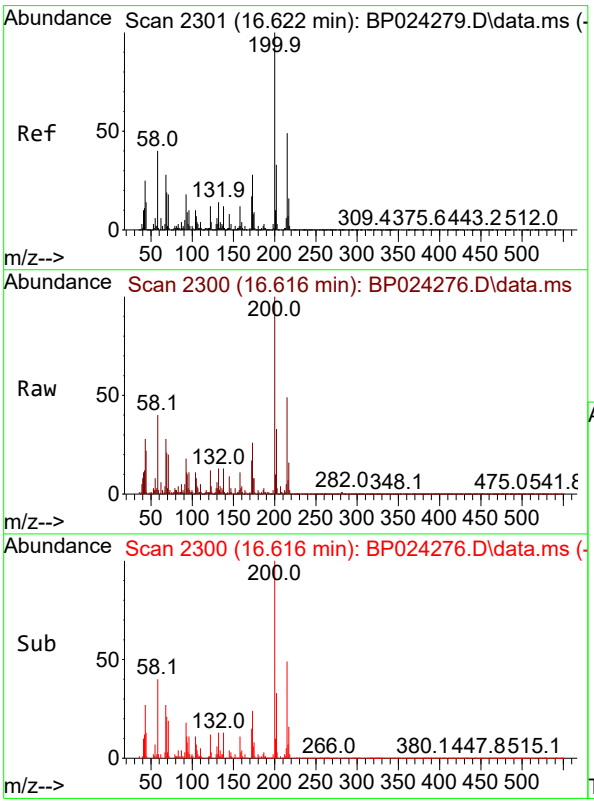
#68
Hexachlorobenzene
Concen: 4.766 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 76267

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	30.1	23.8	35.6

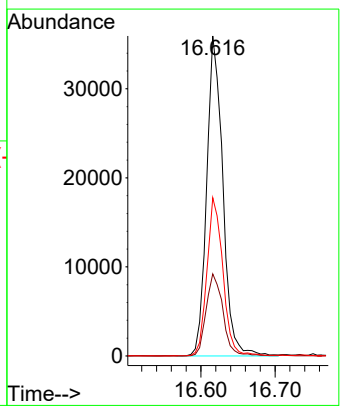


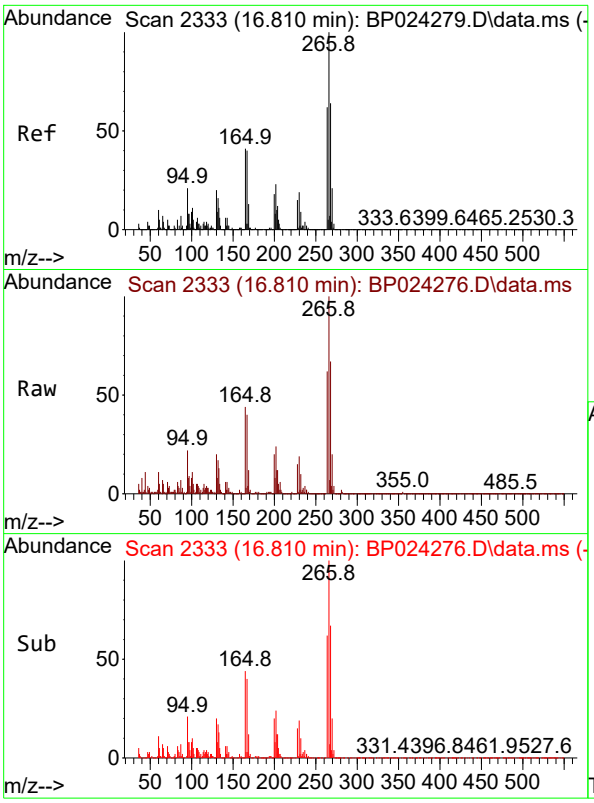


#69
Atrazine
Concen: 5.803 ng
RT: 16.616 min Scan# 2300
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:200 Resp: 54439

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.5	47.5
215	49.4	28.8	68.8



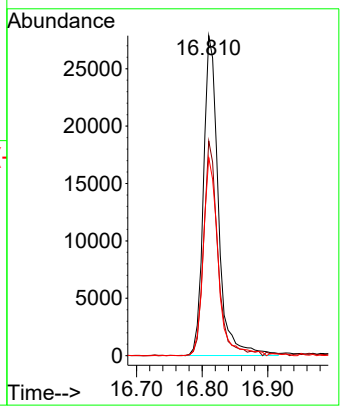


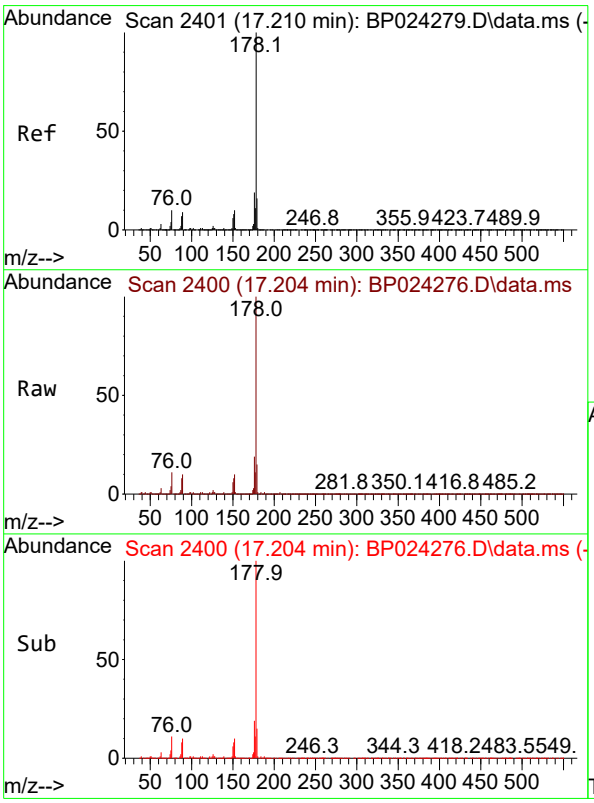
#70
Pentachlorophenol
Concen: 4.015 ng
RT: 16.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 44119

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	61.9	49.8	74.6

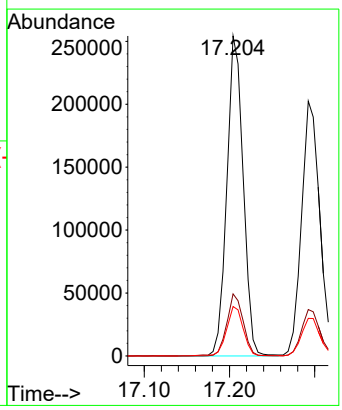


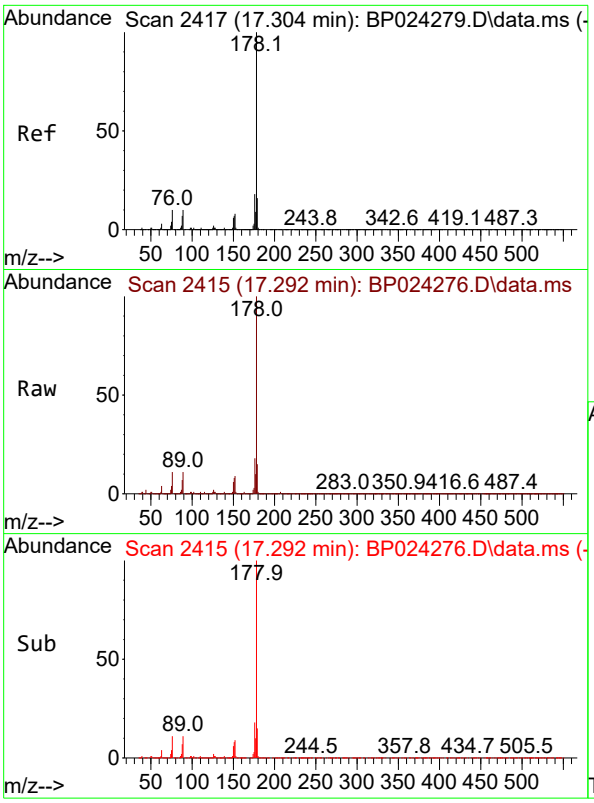


#71
Phenanthrene
Concen: 5.005 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:178 Resp: 338611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7



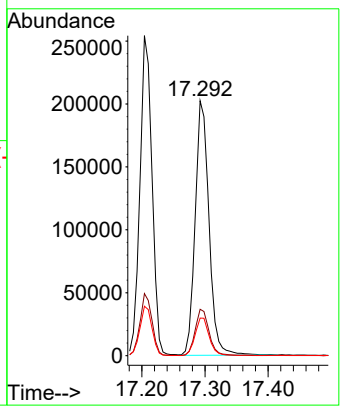


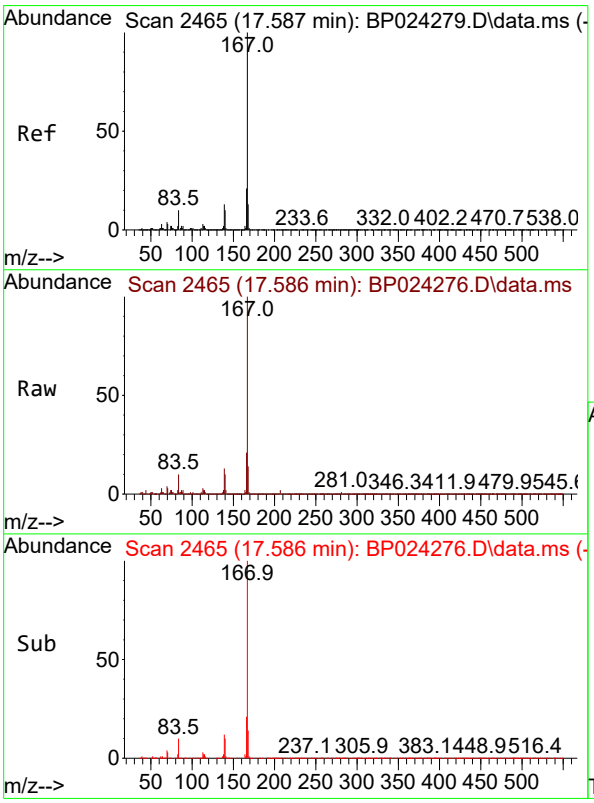
#72
Anthracene
Concen: 4.716 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 307065

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.8	12.4	18.6

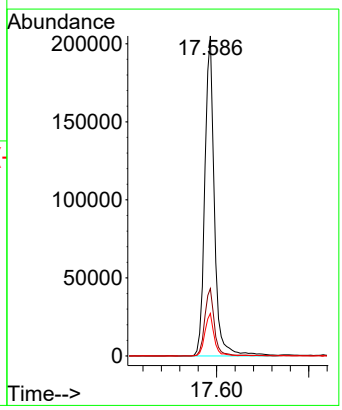


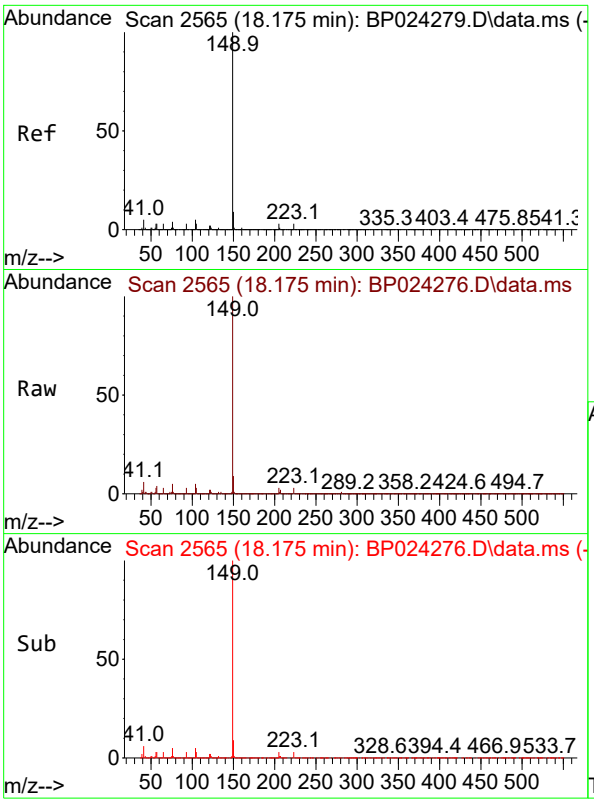


#73
Carbazole
Concen: 4.711 ng
RT: 17.586 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:167 Resp: 298495

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.6	16.0



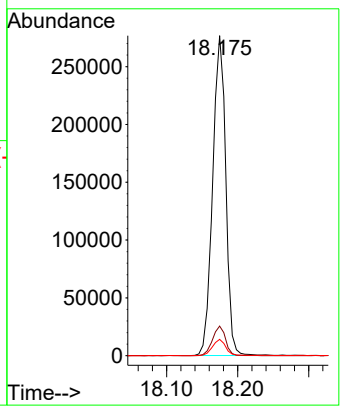


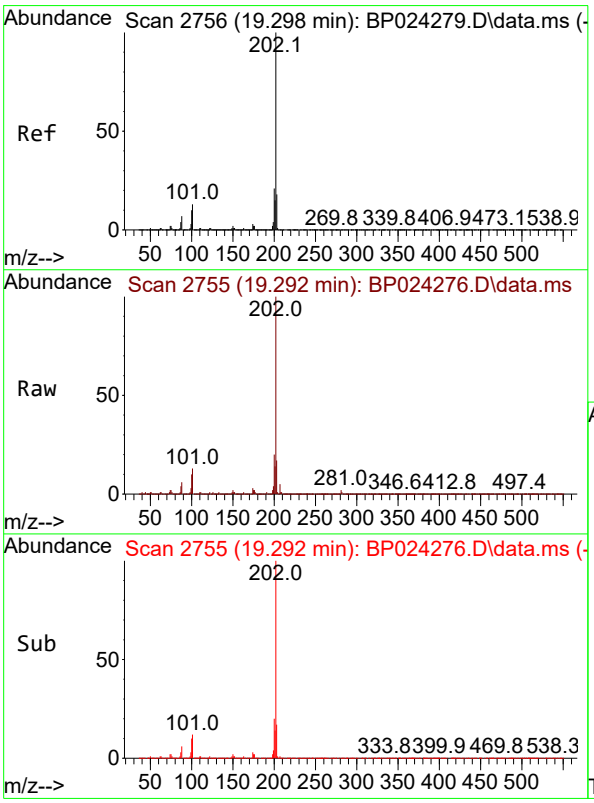
#74
Di-n-butylphthalate
Concen: 4.484 ng
RT: 18.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 354008

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9

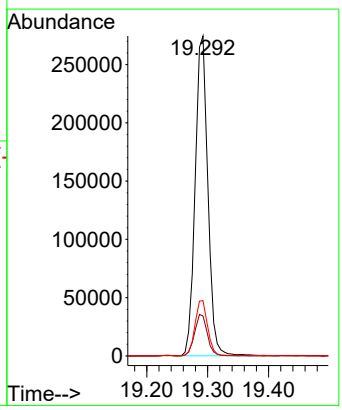


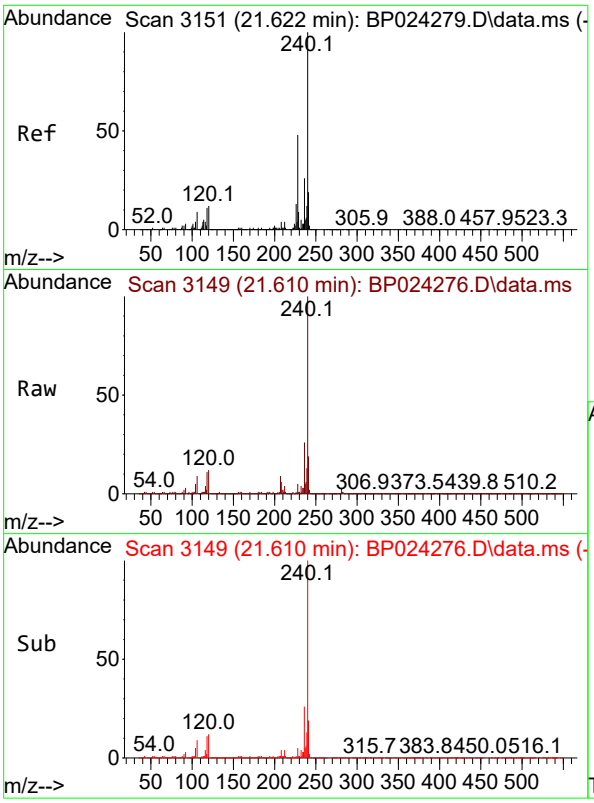


#75
Fluoranthene
Concen: 4.951 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:202 Resp: 397601

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.3	0.0	37.7



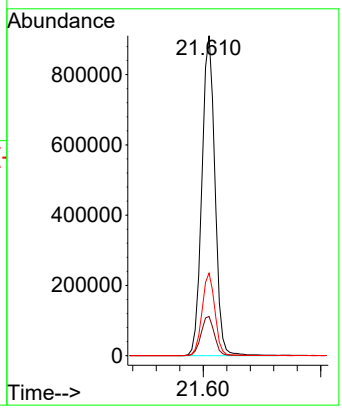


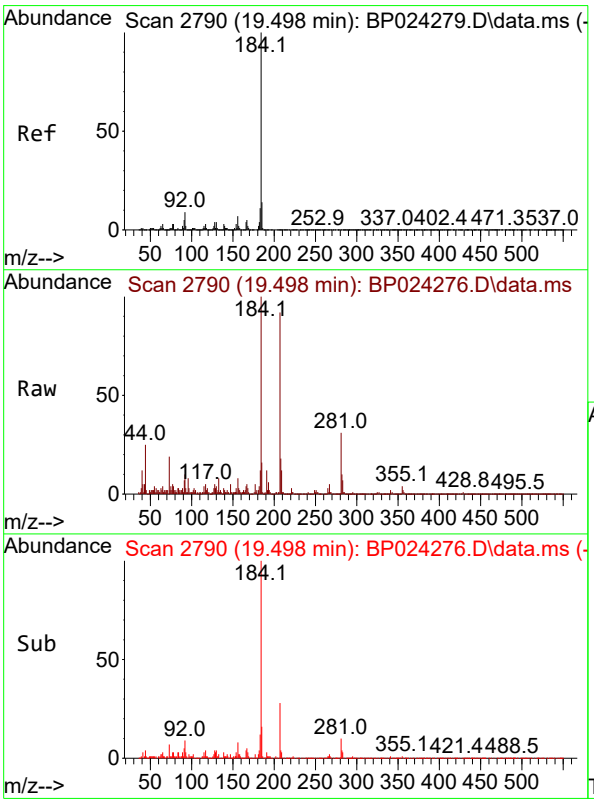
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1401979

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	25.8	20.9	31.3

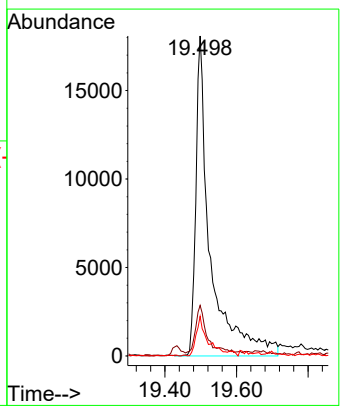


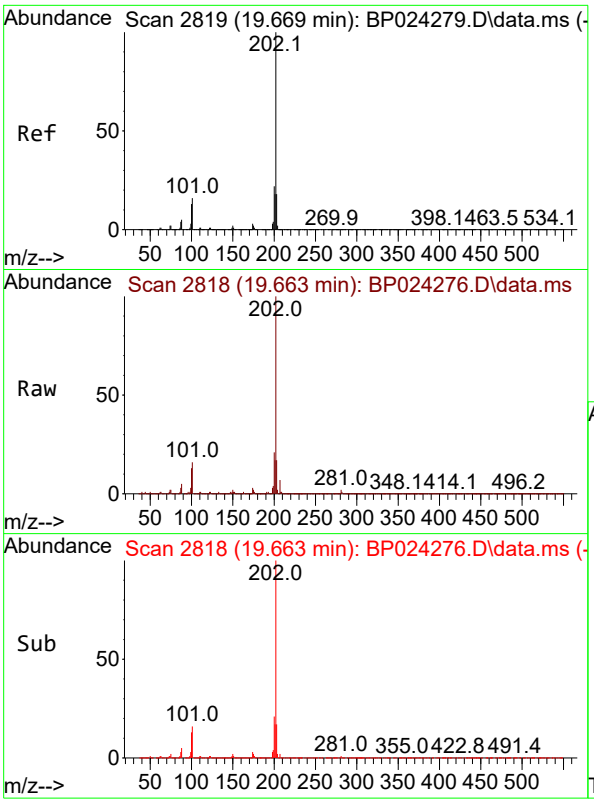


#77
Benzidine
Concen: 2.925 ng m
RT: 19.498 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:184 Resp: 50615

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.6	17.4
183	12.4	9.2	13.8



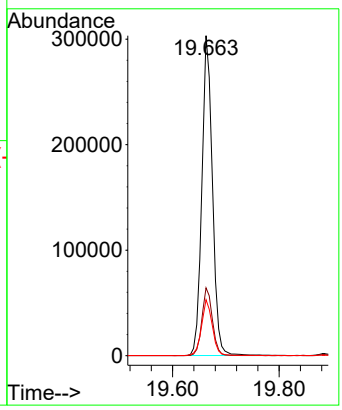


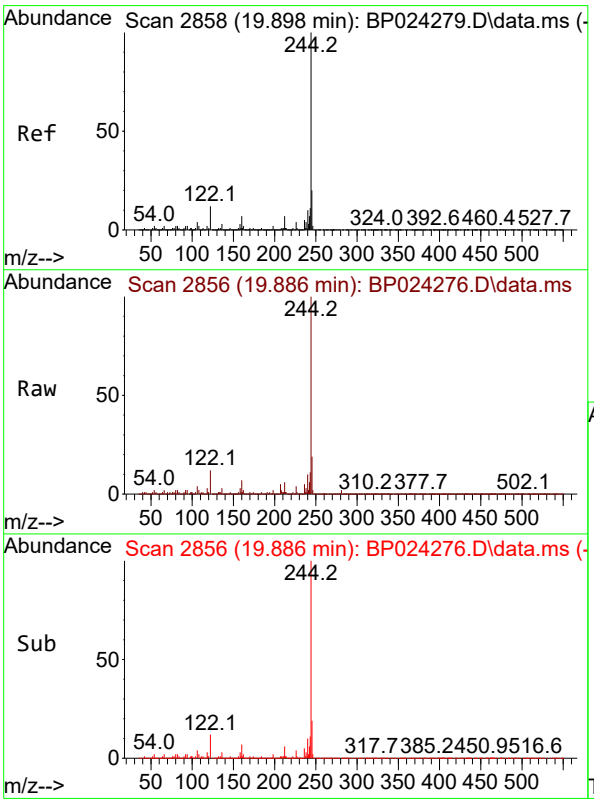
#78
Pyrene
Concen: 4.657 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 417746

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6

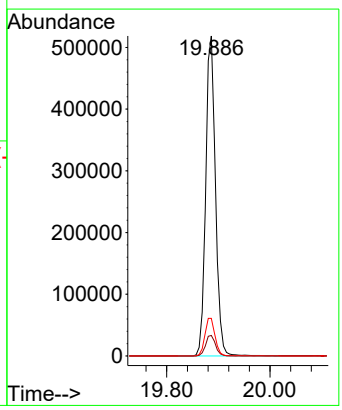


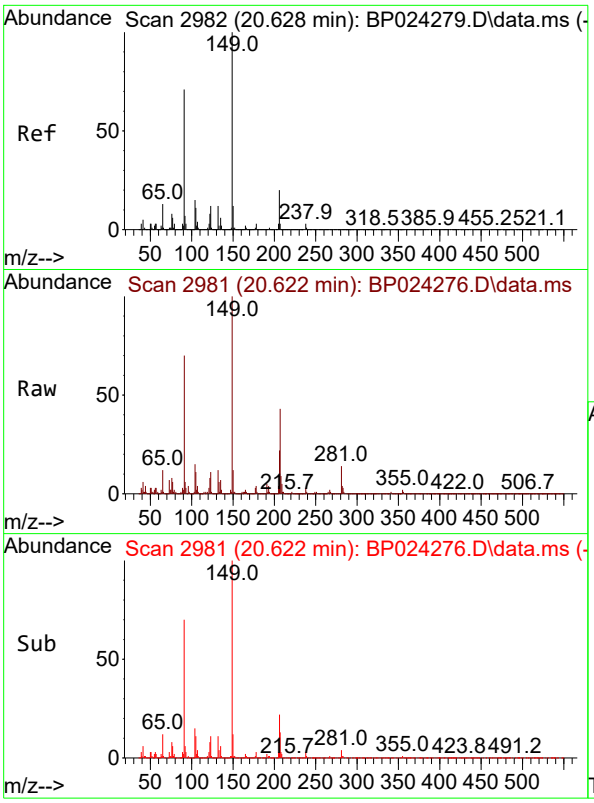


#79
Terphenyl-d14
Concen: 9.638 ng
RT: 19.886 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:244 Resp: 677812

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.7	9.4	14.0



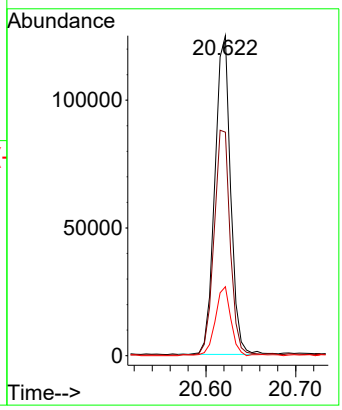


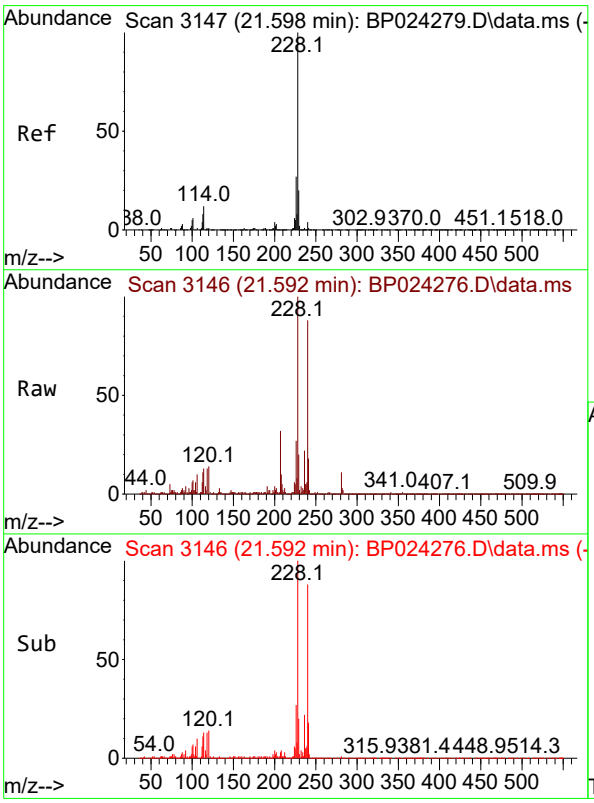
#80
Butylbenzylphthalate
Concen: 4.024 ng
RT: 20.622 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 152196

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	21.6	16.3	24.5

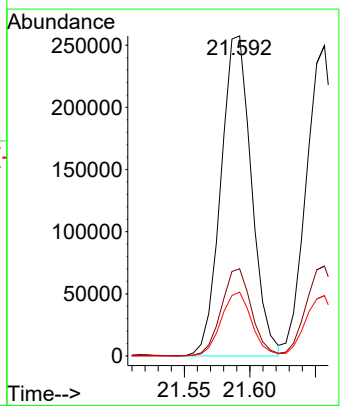


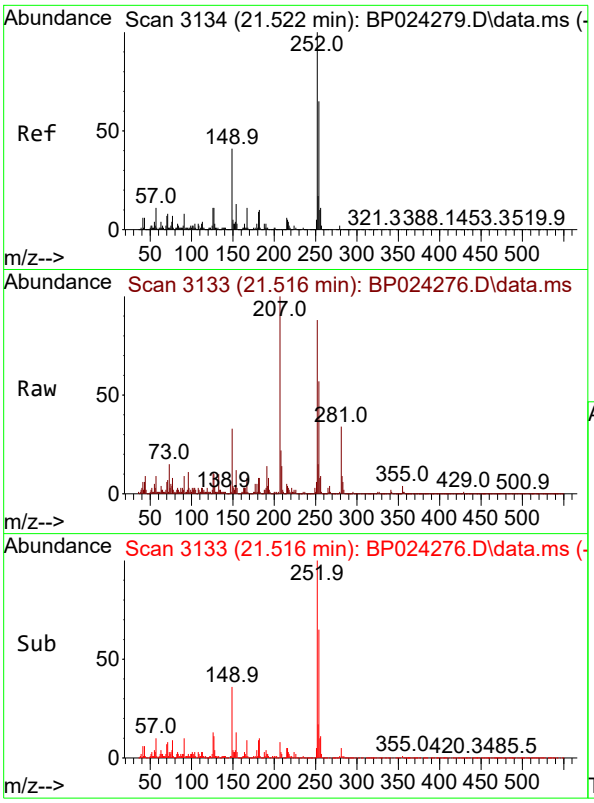


#81
Benzo(a)anthracene
Concen: 4.791 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 418745

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.9	23.9



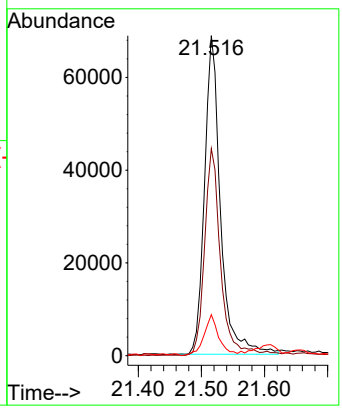


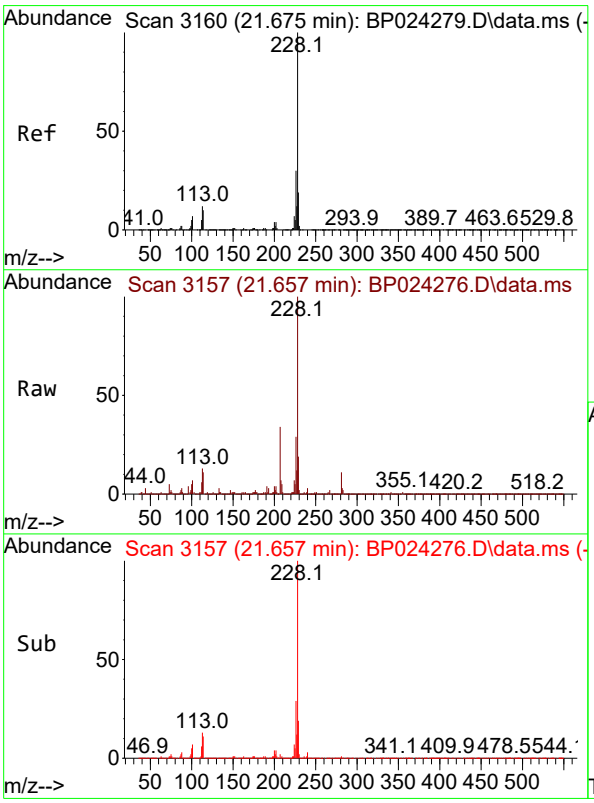
#82
3,3'-Dichlorobenzidine
Concen: 3.994 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	12.8	8.8	13.2

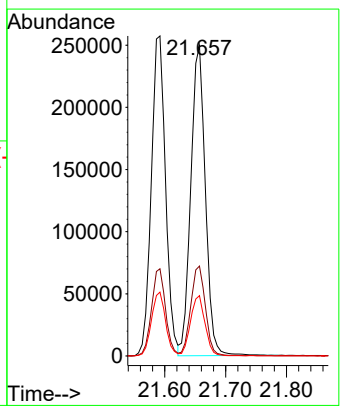


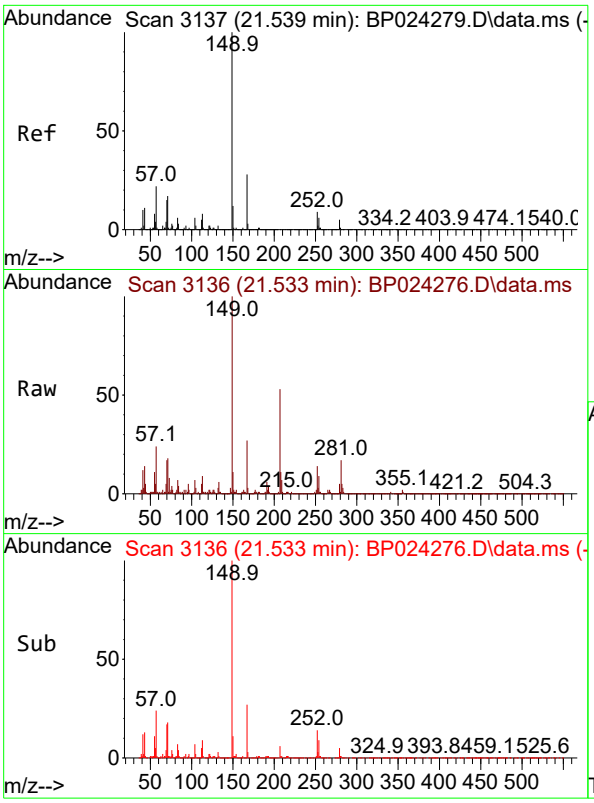


#83
Chrysene
Concen: 4.937 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 413570

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	19.4	15.6	23.4



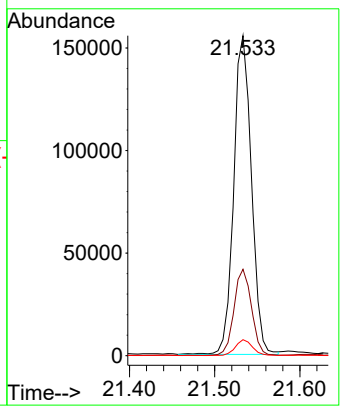


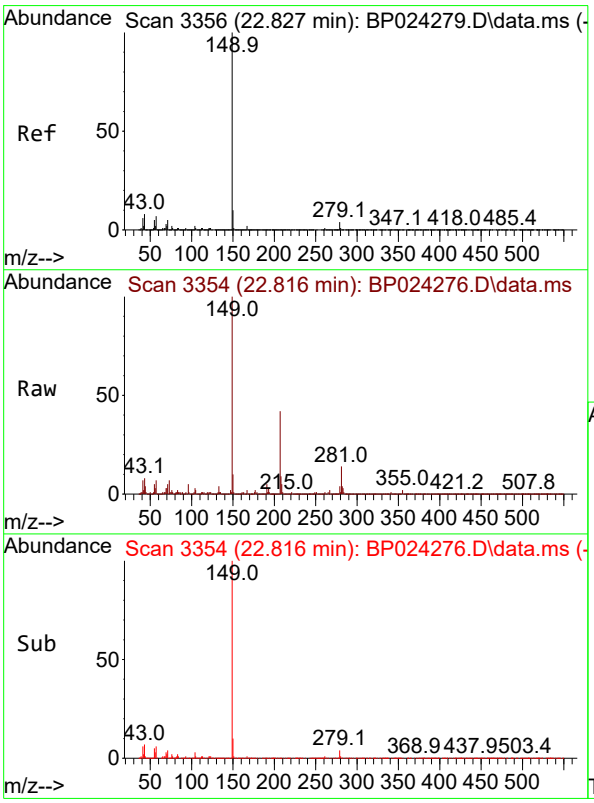
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.021 ng
RT: 21.533 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 223960

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.0	4.0	6.0

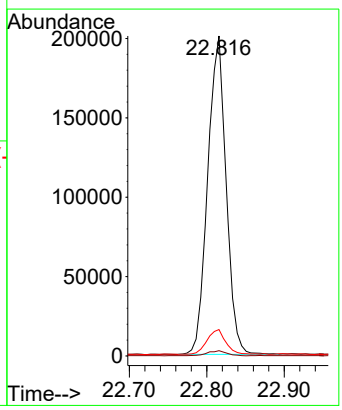


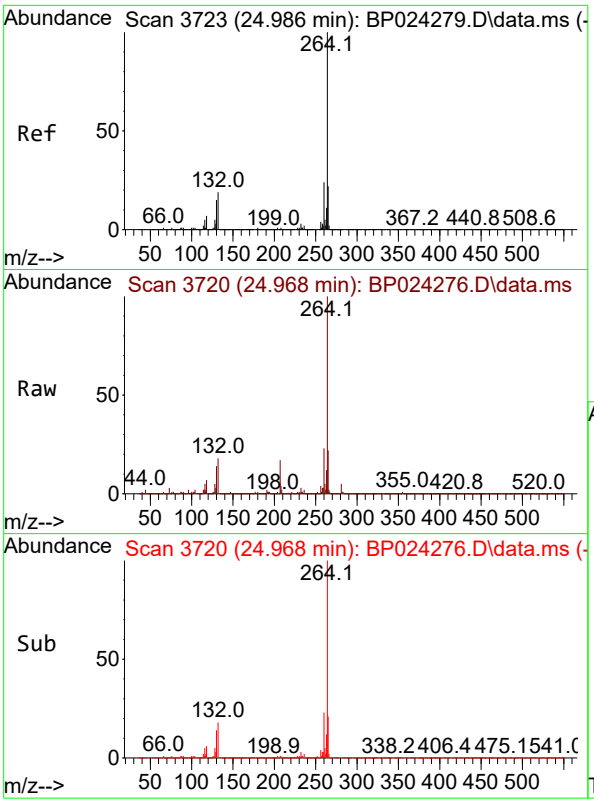


#85
Di-n-octyl phthalate
Concen: 3.712 ng
RT: 22.816 min Scan# 3354
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 331185

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0



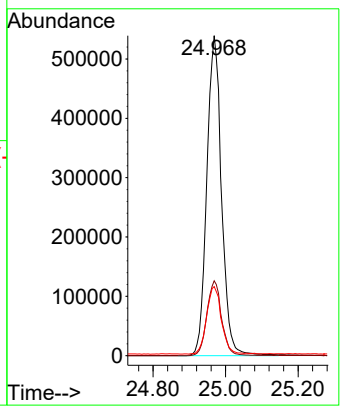


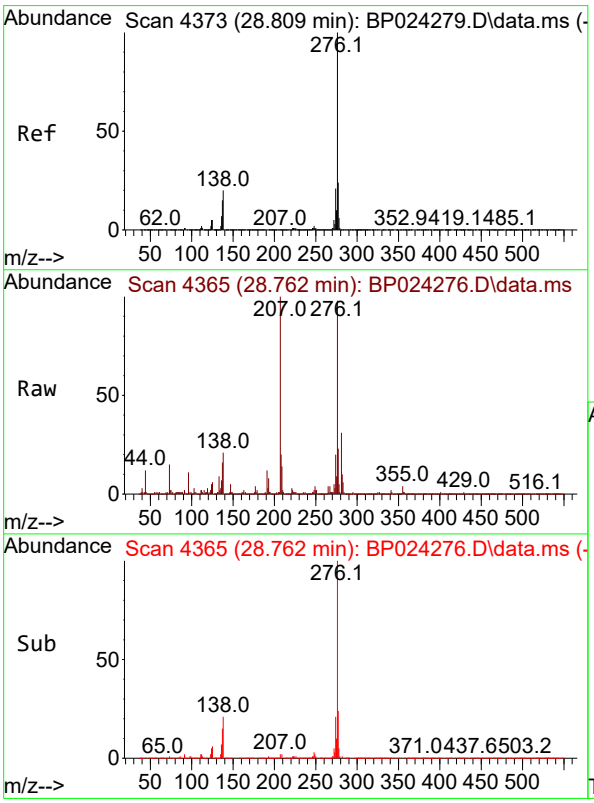
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.968 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1519057

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.8	26.6

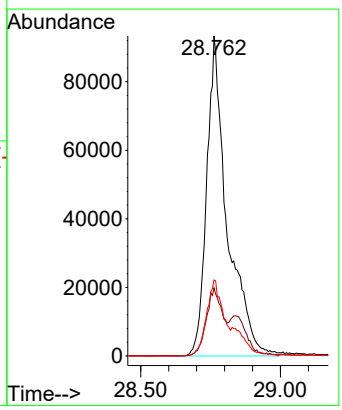


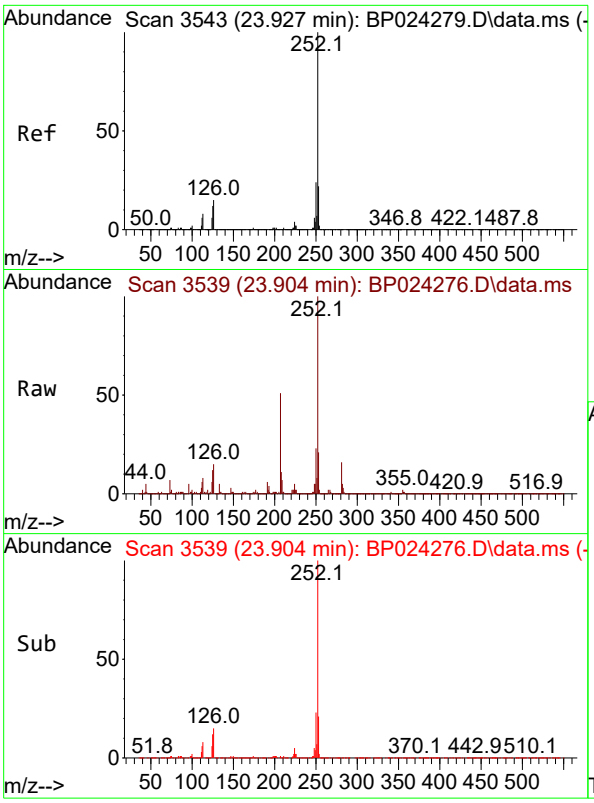


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng
RT: 28.762 min Scan# 4365
Delta R.T. -0.047 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:276 Resp: 475578

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	19.3	20.2	30.2#



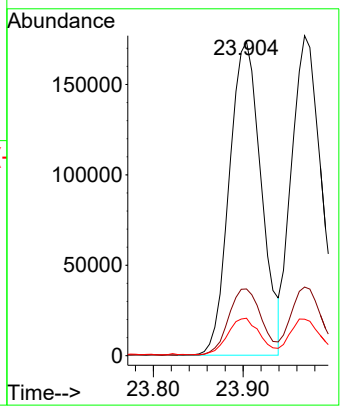


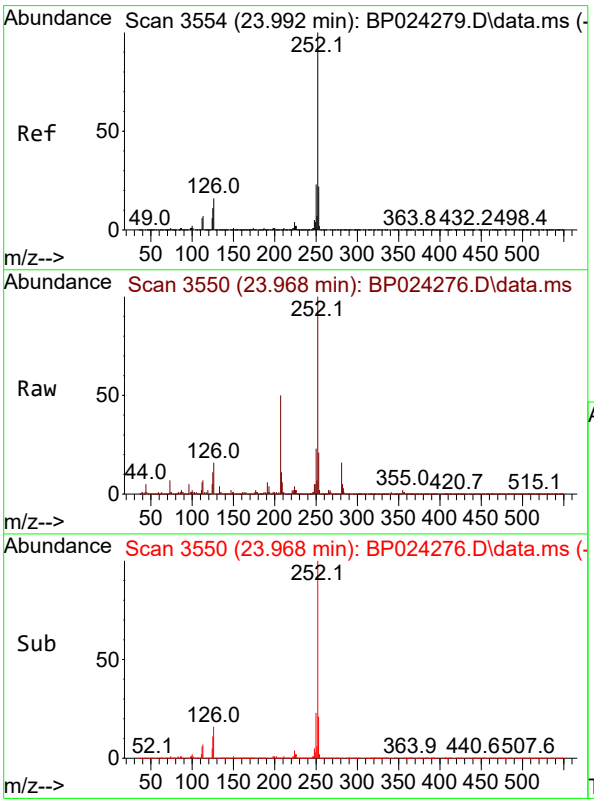
#88
Benzo(b)fluoranthene
Concen: 4.723 ng
RT: 23.904 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 429214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	11.9	9.4	14.0

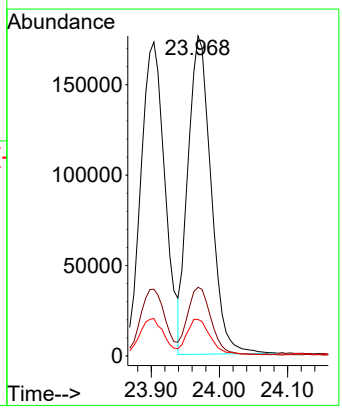


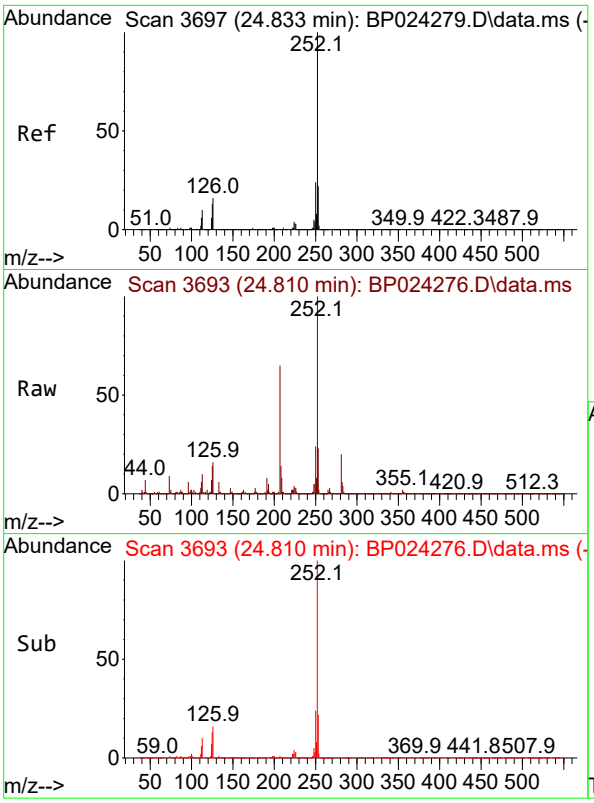


#89
Benzo(k)fluoranthene
Concen: 4.686 ng
RT: 23.968 min Scan# 3550
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 413302

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.1	13.7



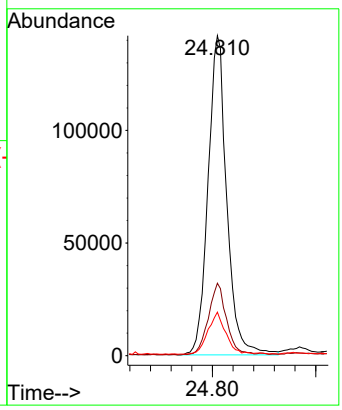


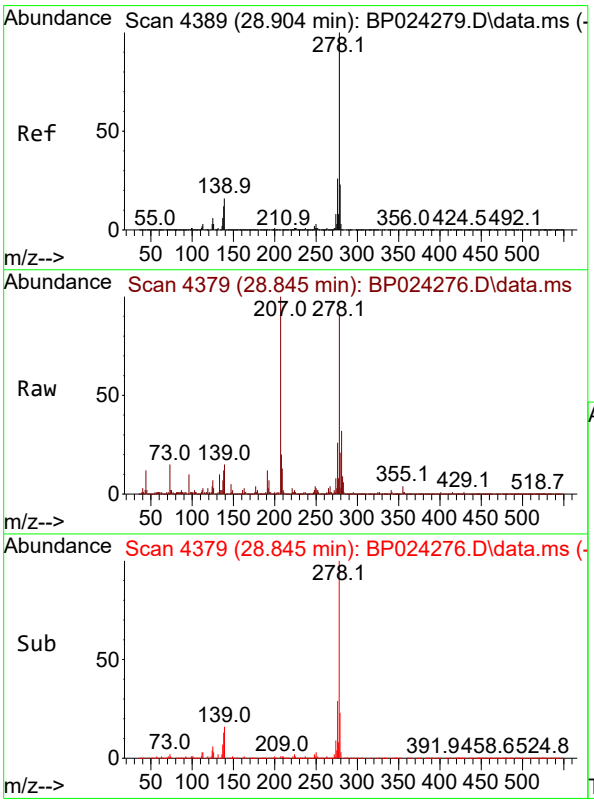
#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.810 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 356658

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.6	10.1	15.1

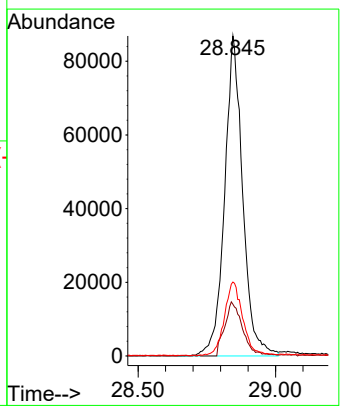


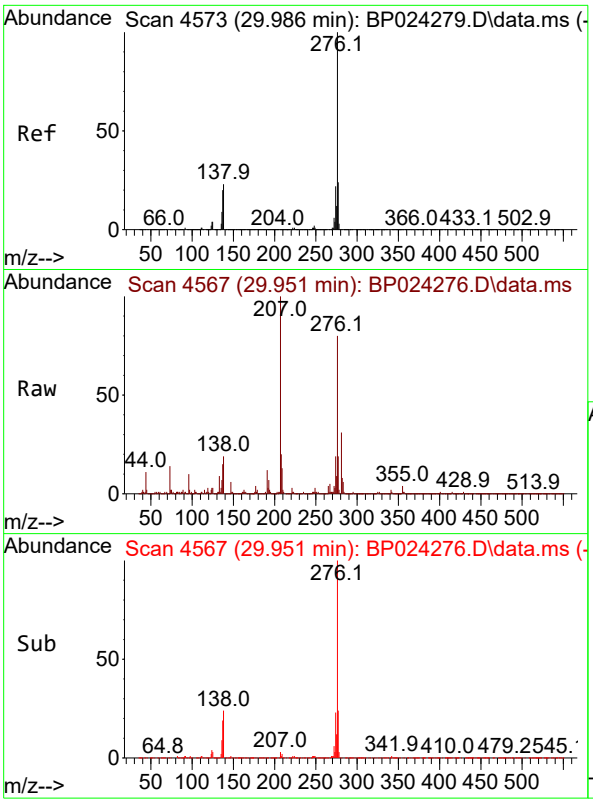


#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng
RT: 28.845 min Scan# 4379
Delta R.T. -0.059 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:278 Resp: 397247

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.1	18.5	27.7



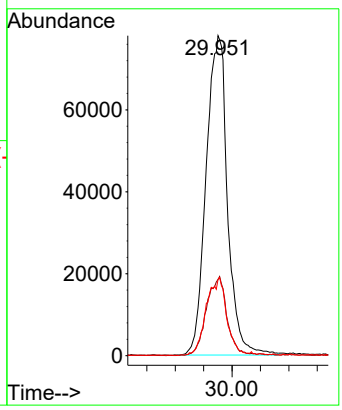


#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 29.951 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 407522

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.8	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng		0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	272237	18.889	ng		0.00
7) Phenol-d6	6.910	99	369199	18.725	ng		0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng		0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng		0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng		98
3) Pyridine	3.693	79	152243	9.506	ng		99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	#	98
6) Aniline	7.069	93	176840	9.935	ng		99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng		100
9) Benzaldehyde	6.887	77	111093m	10.879	ng		
10) Phenol	6.940	94	186113	9.401	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng		98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng		97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng		99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng		99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng		98
17) 2-Methylphenol	8.175	107	119161	9.340	ng		98
18) Hexachloroethane	8.804	117	63912	10.007	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng		100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng		99
22) Acetophenone	8.546	105	248823	9.787	ng		99
24) Nitrobenzene	8.922	77	170770	9.590	ng		98
25) Isophorone	9.446	82	307272	9.473	ng		99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng		96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng		97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng		99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng		100
31) Naphthalene	10.557	128	538892	9.953	ng		99
32) Benzoic acid	9.781	122	94803m	8.095	ng		
33) 4-Chloroaniline	10.669	127	178451	9.433	ng		99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng		99
35) Caprolactam	11.440	113	47014	8.670	ng		98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng		99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng		98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng		100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng		96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

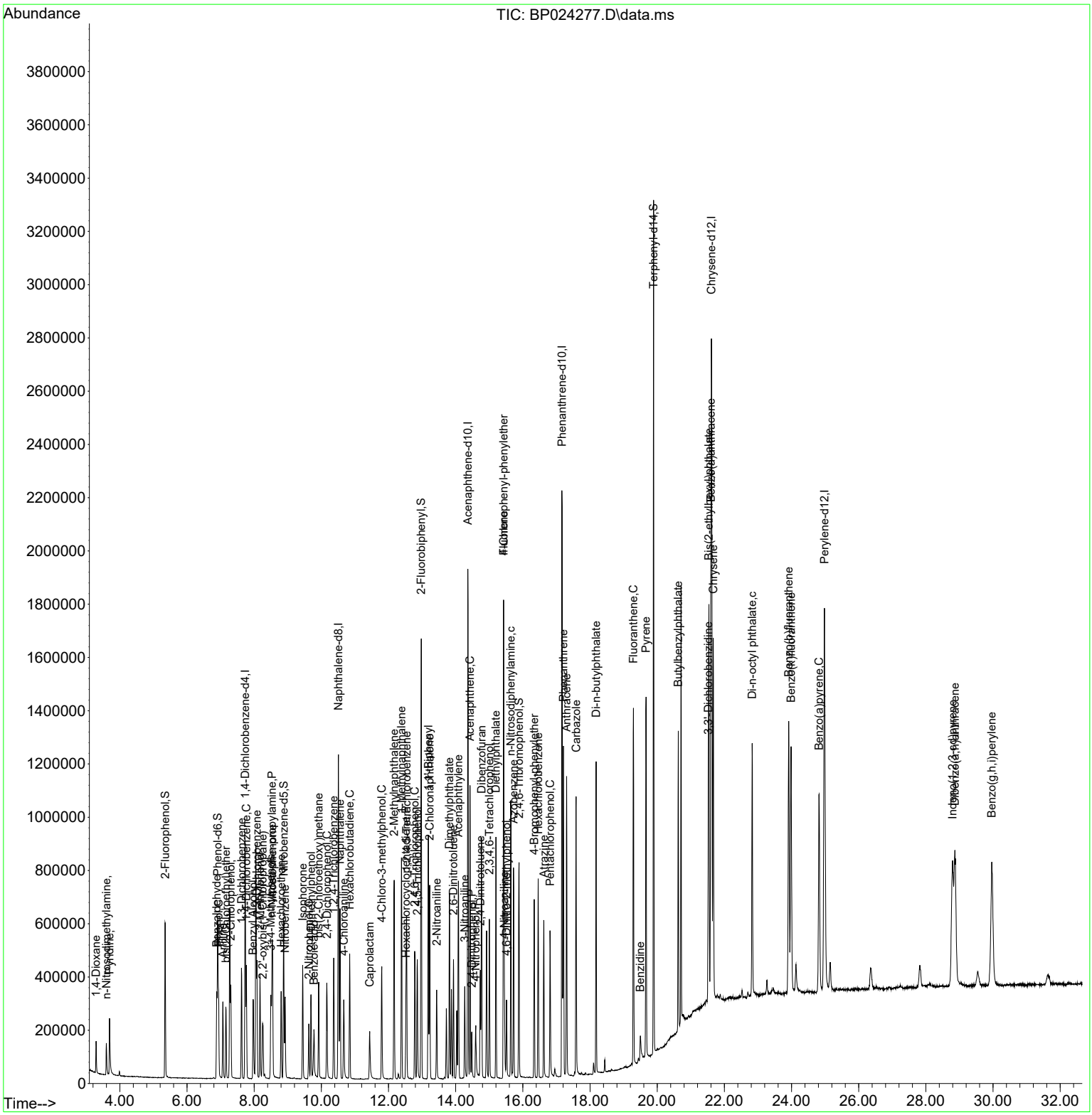
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng		98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng		100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng		98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng		95
49) Acenaphthylene	14.081	152	553215	9.711	ng		100
50) Dimethylphthalate	13.816	163	466314	9.704	ng		99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng		96
52) Acenaphthene	14.428	154	357828	9.877	ng		99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng		97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng		97
55) Dibenzofuran	14.769	168	594953	10.013	ng		99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng		95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	#	95
58) Fluorene	15.428	166	459952	10.026	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng		100
60) Diethylphthalate	15.198	149	488847	9.884	ng		100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng		97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng		93
63) Azobenzene	15.722	77	455459	9.999	ng		96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng		96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng		99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng		97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng		98
69) Atrazine	16.628	200	109503	10.990	ng		98
70) Pentachlorophenol	16.810	266	101318	8.682	ng		96
71) Phenanthrene	17.210	178	711407	9.900	ng		99
72) Anthracene	17.304	178	666269	9.635	ng		100
73) Carbazole	17.586	167	654205	9.721	ng		99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng		99
75) Fluoranthene	19.292	202	835153	9.791	ng		98
77) Benzidine	19.498	184	99659	5.730	ng		99
78) Pyrene	19.669	202	870767	9.659	ng		99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng		99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng		98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng		98
83) Chrysene	21.668	228	832263	9.887	ng		100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng		99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng		99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng		99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng		99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng		99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng		99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng		99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng		99

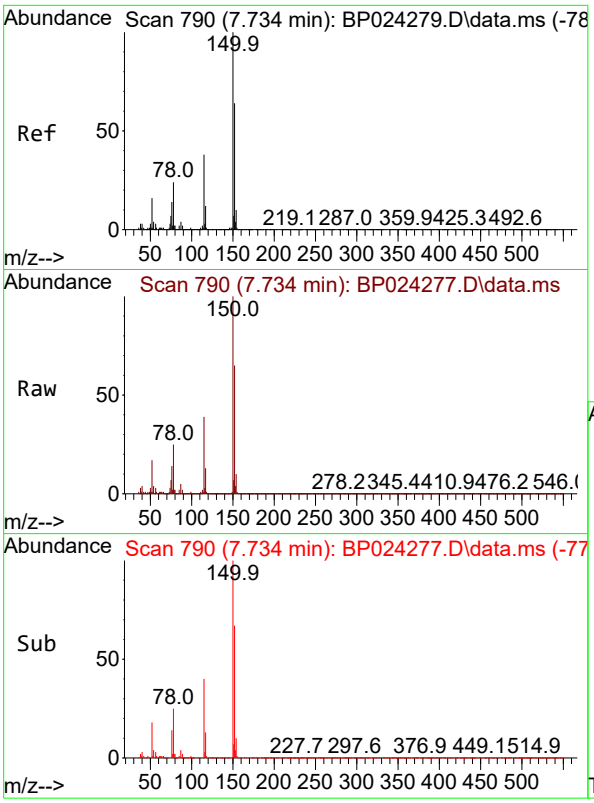
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



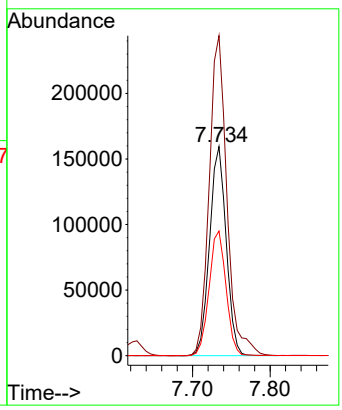


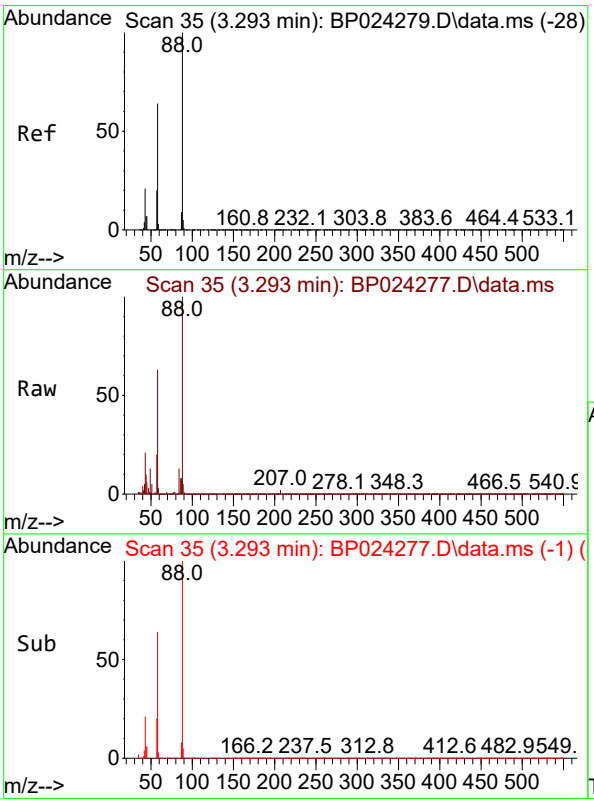
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 237860

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	59.6	47.7	71.5

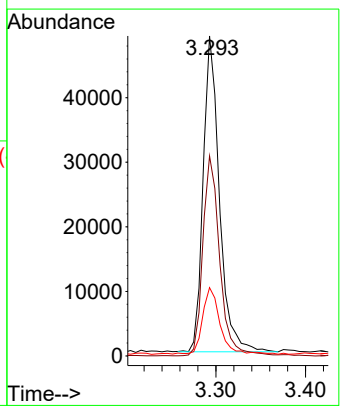


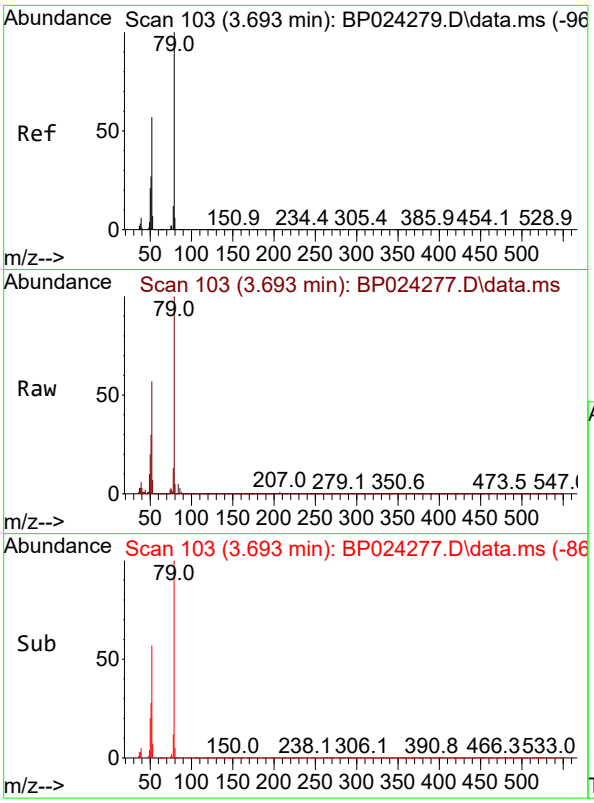


#2
1,4-Dioxane
Concen: 9.984 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 88 Resp: 61433

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	22.9	17.1	25.7



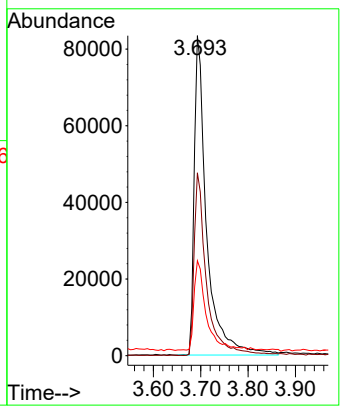


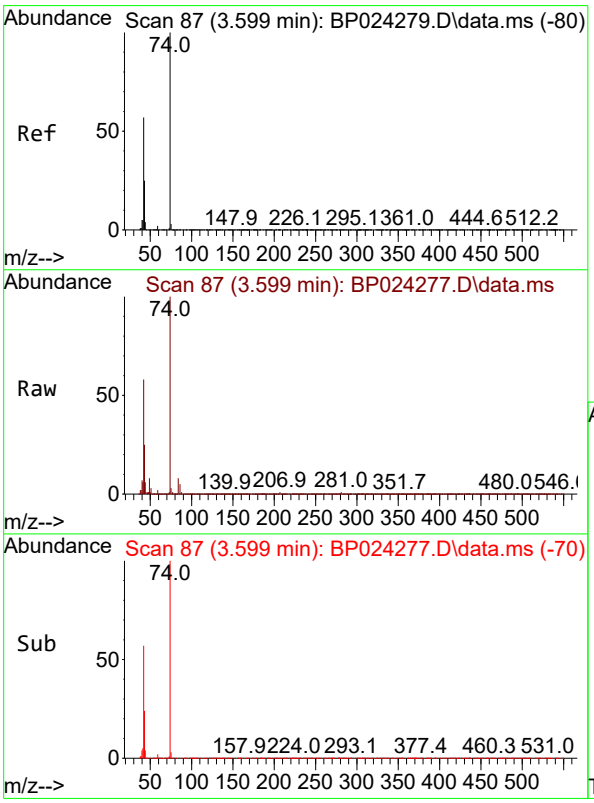
#3
Pyridine
Concen: 9.506 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 152243

Ion	Ratio	Lower	Upper
79	100		
52	57.2	45.4	68.2
51	29.7	22.6	33.8

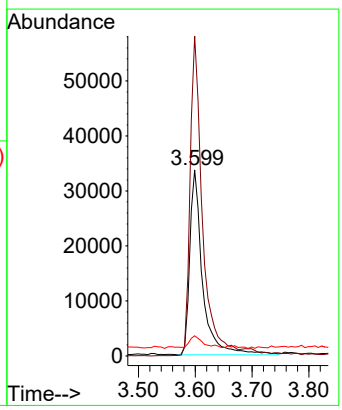


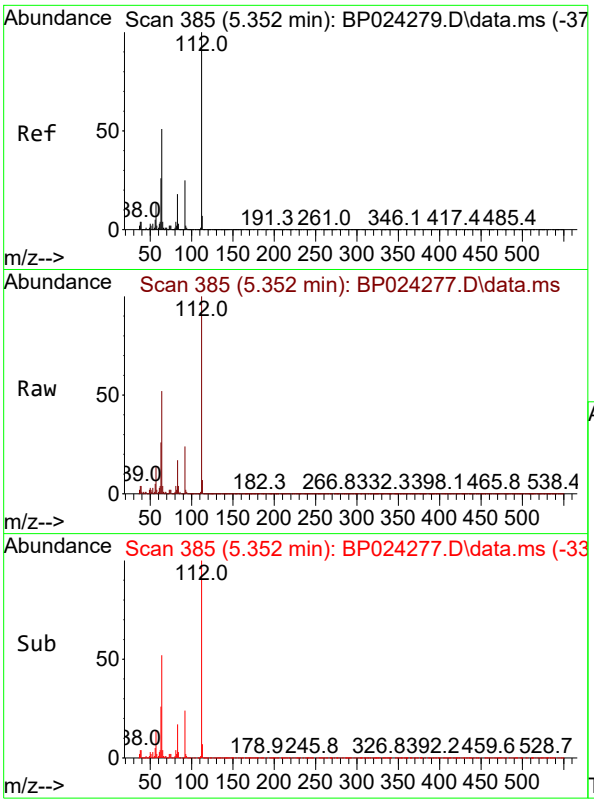


#4
n-Nitrosodimethylamine
Concen: 9.868 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 42 Resp: 52702

Ion	Ratio	Lower	Upper
42	100		
74	172.0	139.5	209.3
44	10.8	5.8	8.8#



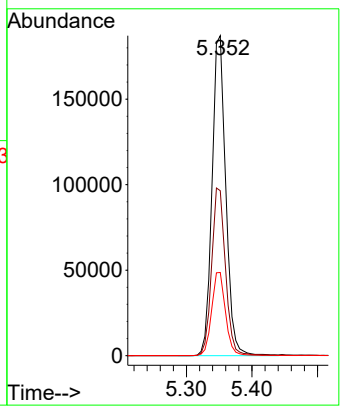


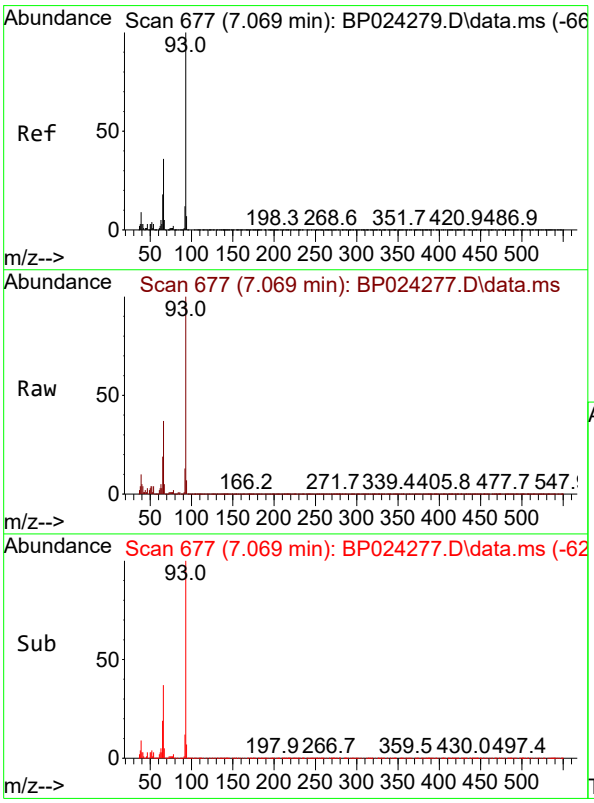
#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 272237

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

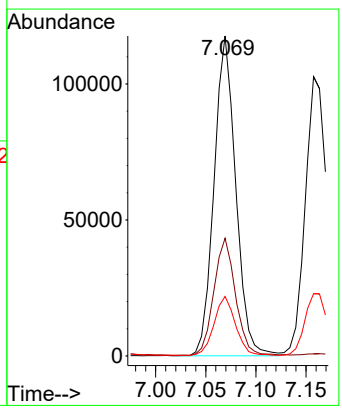


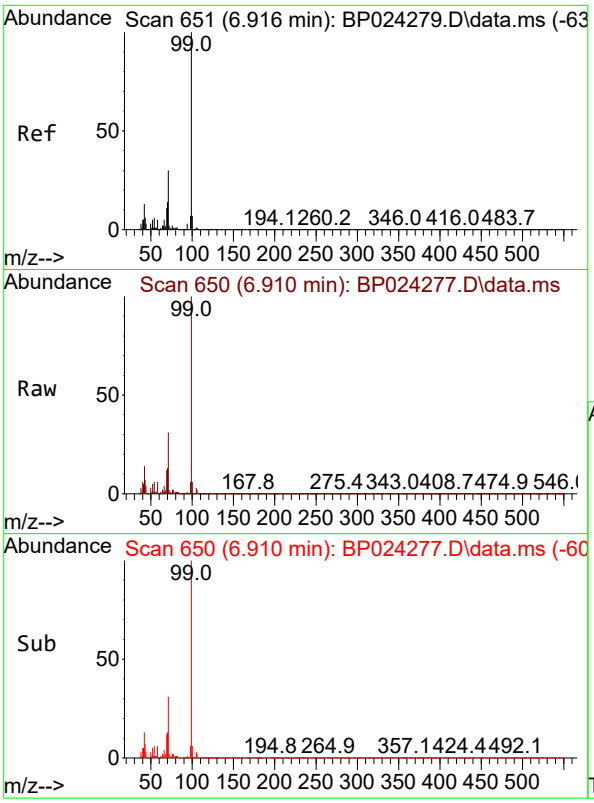


#6
Aniline
Concen: 9.935 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 176840

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.6	14.7	22.1



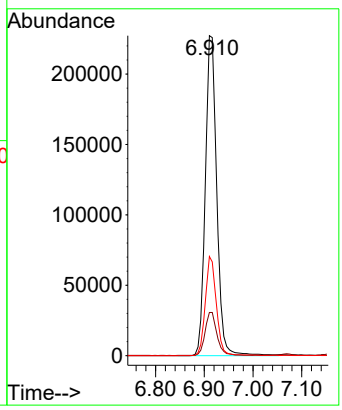


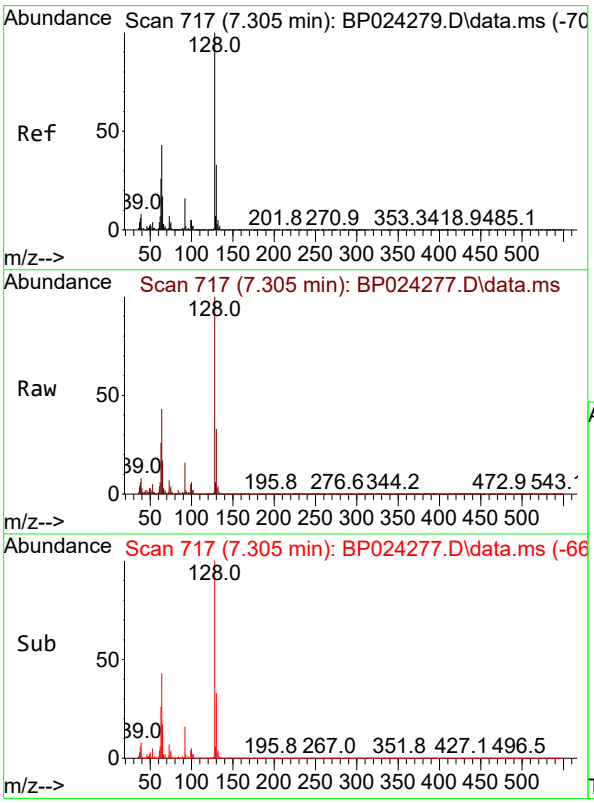
#7
Phenol-d6
Concen: 18.725 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 369199

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	31.0	23.7	35.5

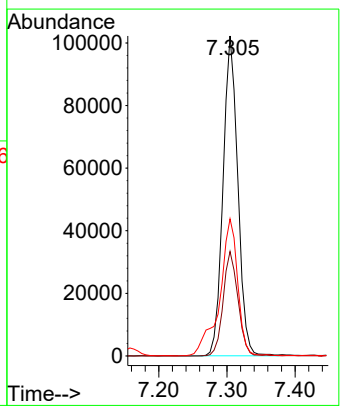


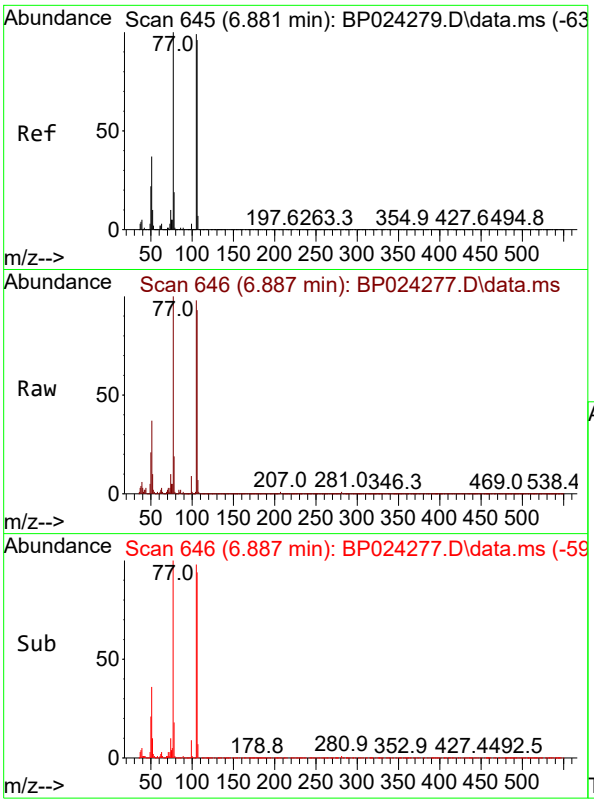


#8
2-Chlorophenol
Concen: 9.573 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:128 Resp: 154194

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.8	22.7	62.7



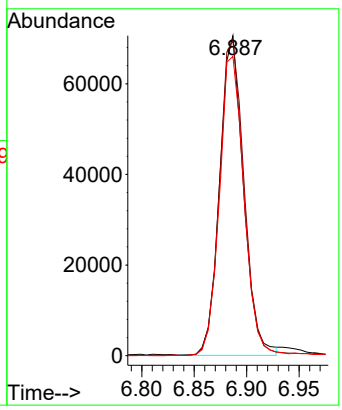


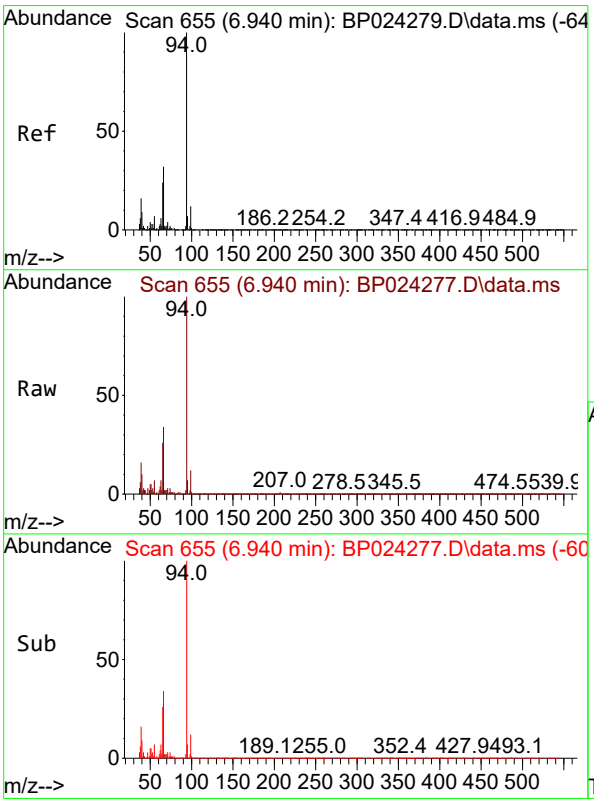
#9
Benzaldehyde
Concen: 10.879 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 111093

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.2	119.2
106	93.5	76.2	116.2

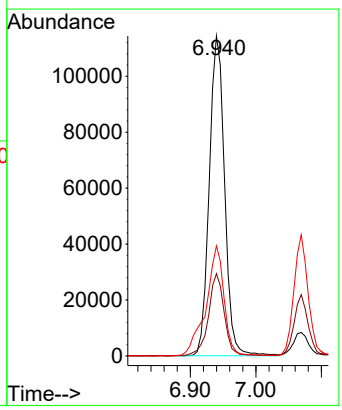


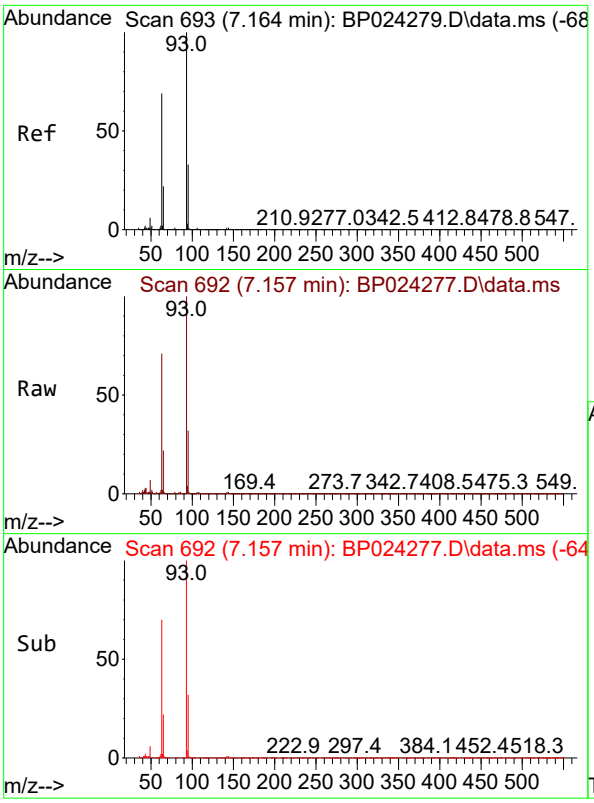


#10
Phenol
Concen: 9.401 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 94 Resp: 186113

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	34.4	12.4	52.4



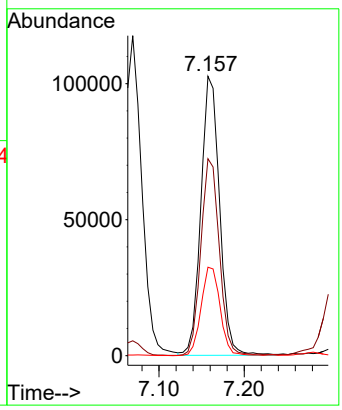


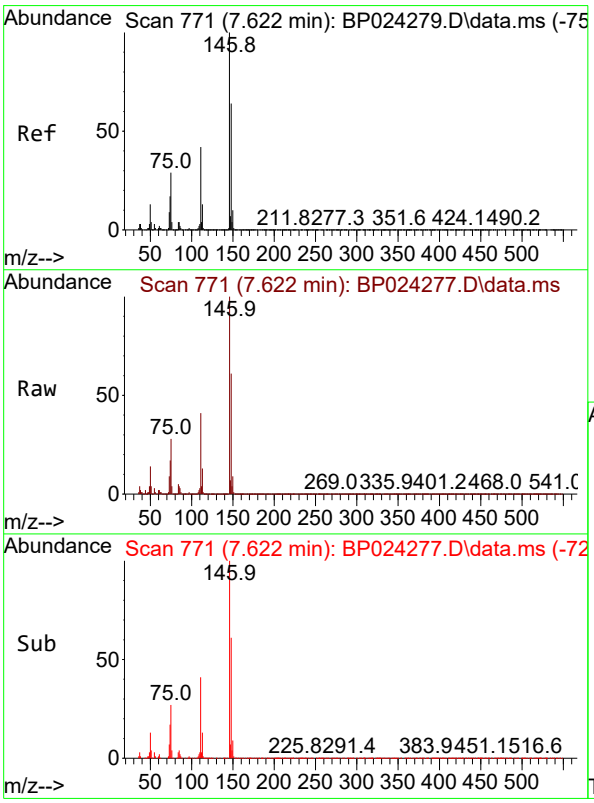
#11
bis(2-Chloroethyl)ether
Concen: 9.794 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 156684

Ion	Ratio	Lower	Upper
93	100		
63	70.5	48.6	88.6
95	31.6	12.3	52.3

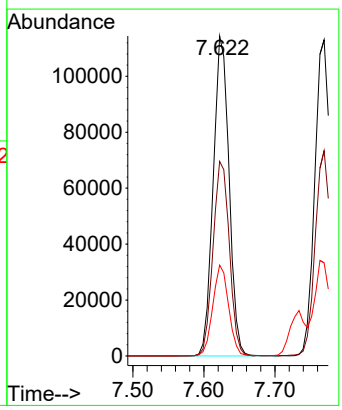


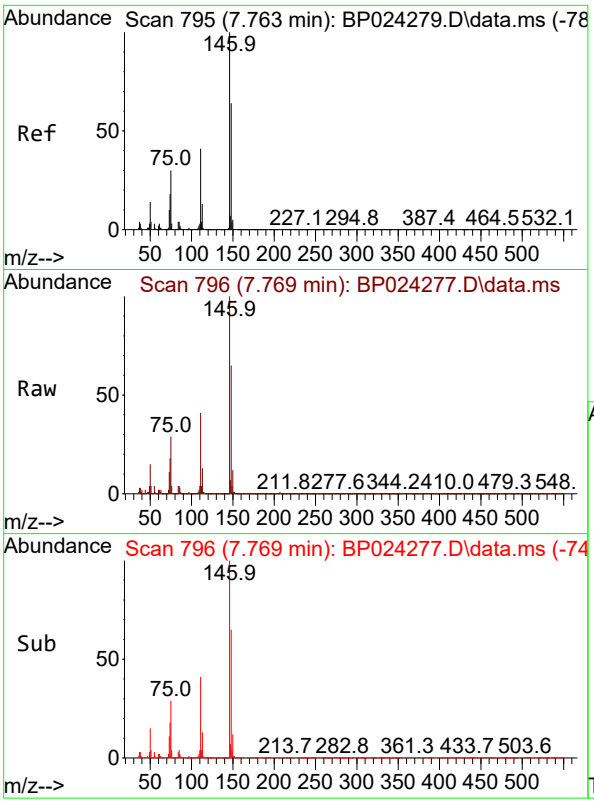


#12
1,3-Dichlorobenzene
Concen: 10.126 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 176712

Ion	Ratio	Lower	Upper
146	100		
148	60.8	51.4	77.0
75	28.4	22.9	34.3



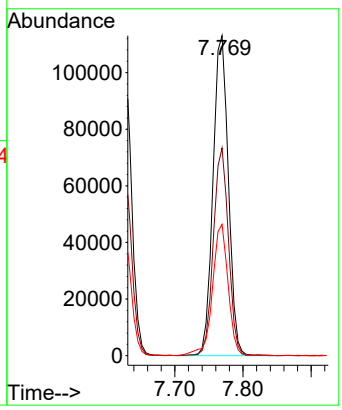


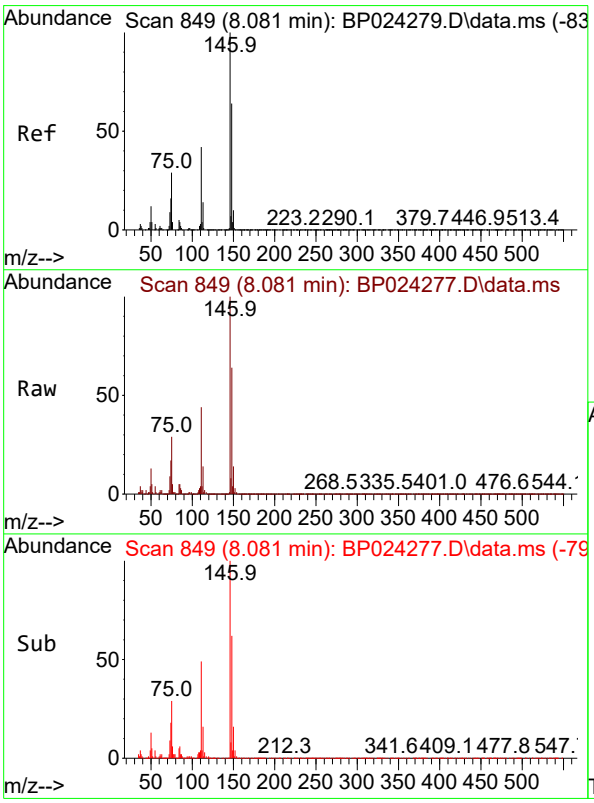
#13
1,4-Dichlorobenzene
Concen: 10.006 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177067

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
111	41.1	32.6	48.8

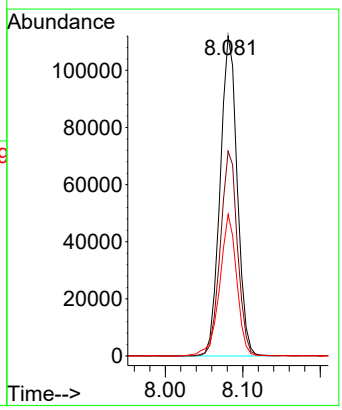


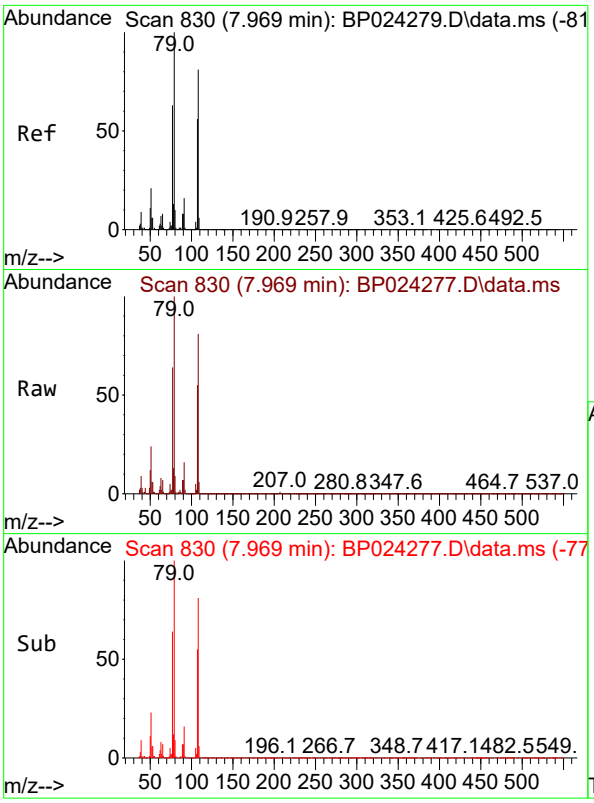


#14
1,2-Dichlorobenzene
Concen: 10.016 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 171376

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	44.3	33.8	50.8



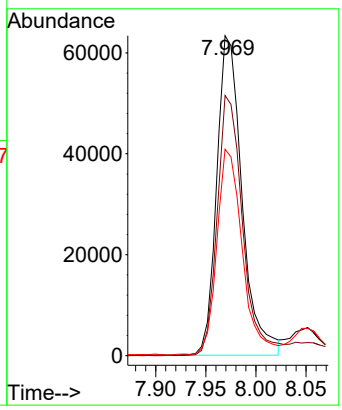


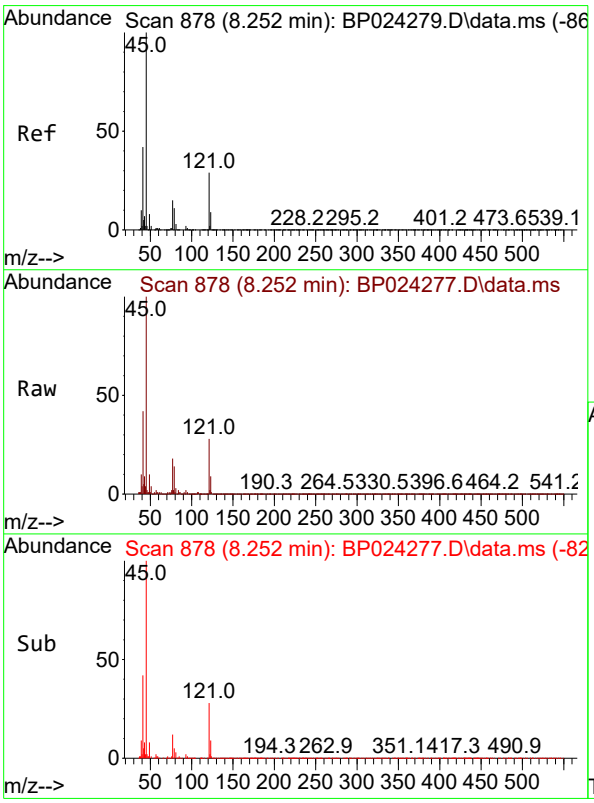
#15
Benzyl Alcohol
Concen: 8.797 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 111176

Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	64.5	50.7	76.1

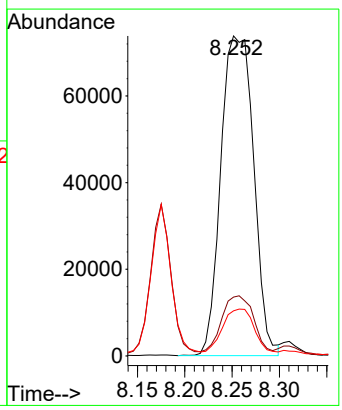


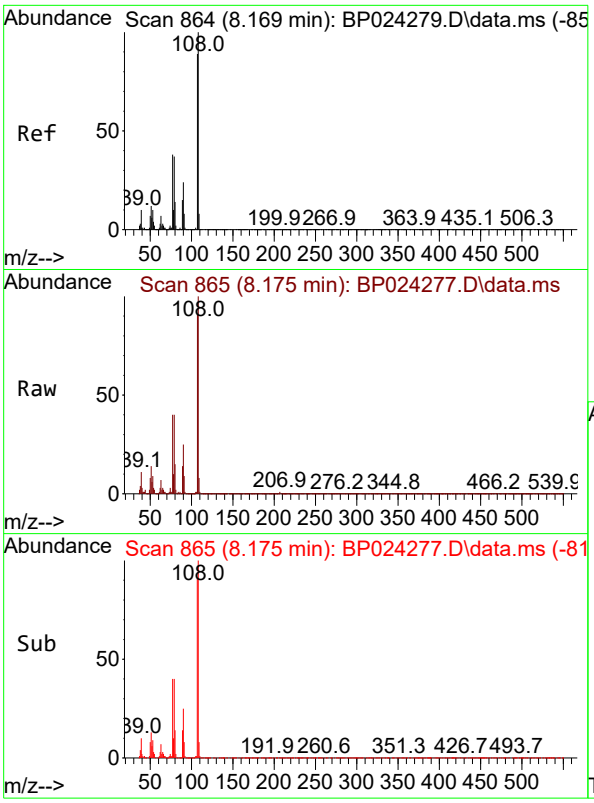


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.221 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 45 Resp: 177896

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	37.7
79	14.1	0.0	33.5



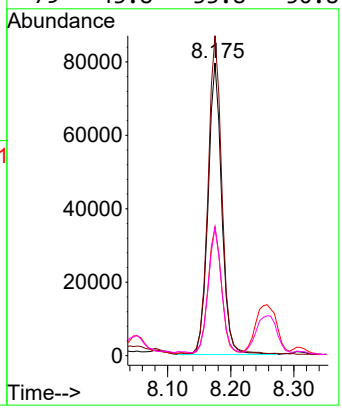


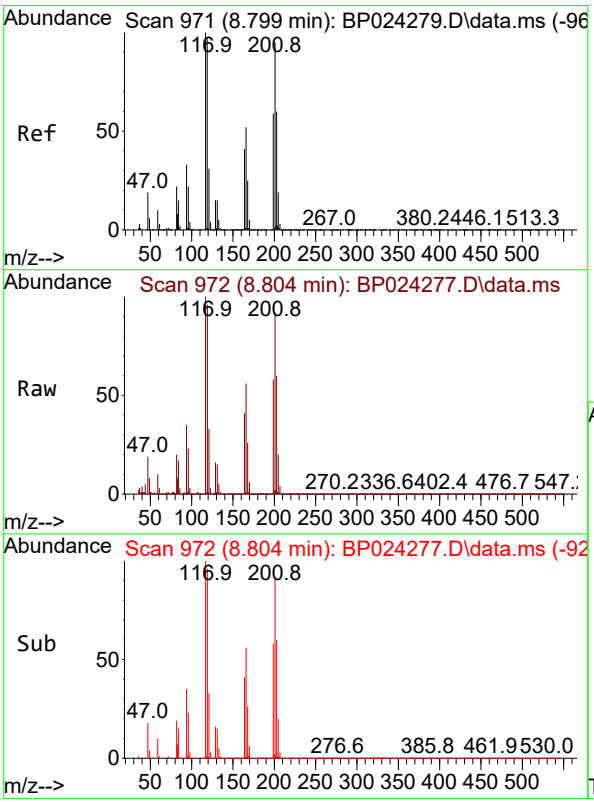
#17
2-Methylphenol
Concen: 9.340 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 119161

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.8	134.6
77	43.9	34.2	51.4
79	43.8	33.8	50.8

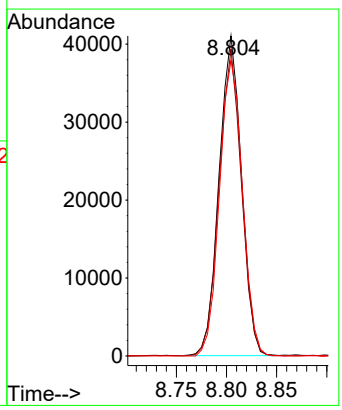


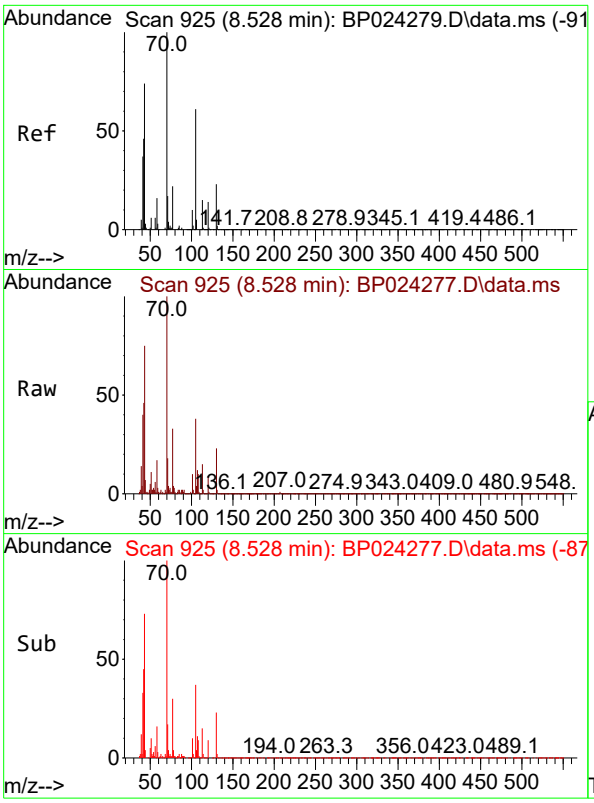


#18
Hexachloroethane
Concen: 10.007 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:117 Resp: 63912

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	92.4	75.9	113.9



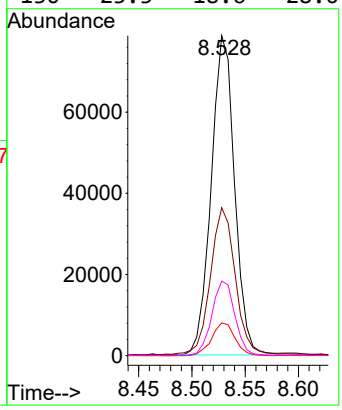


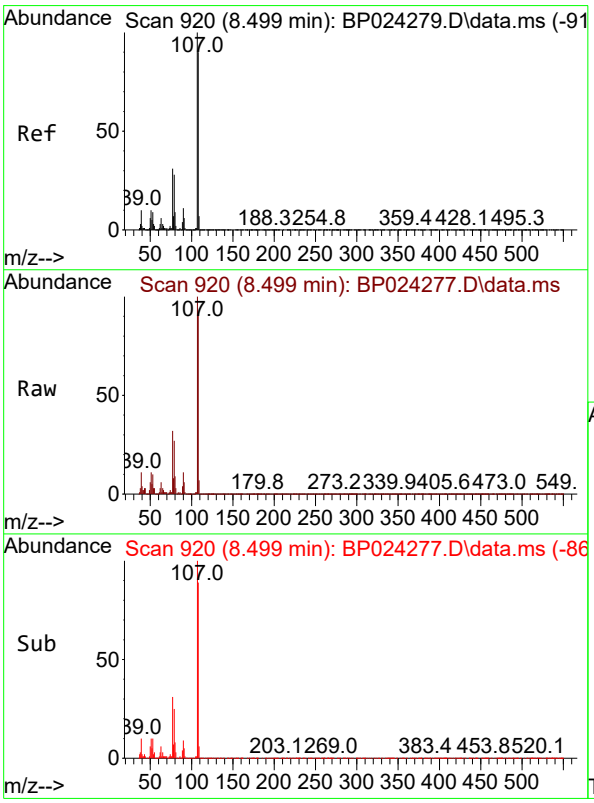
#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119861

Ion	Ratio	Lower	Upper
70	100		
42	46.2	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

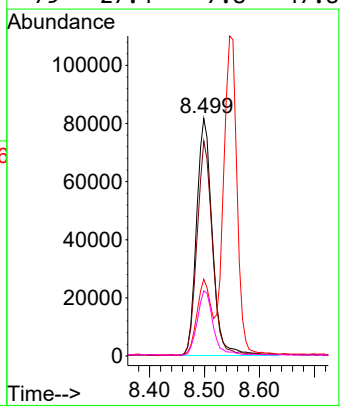


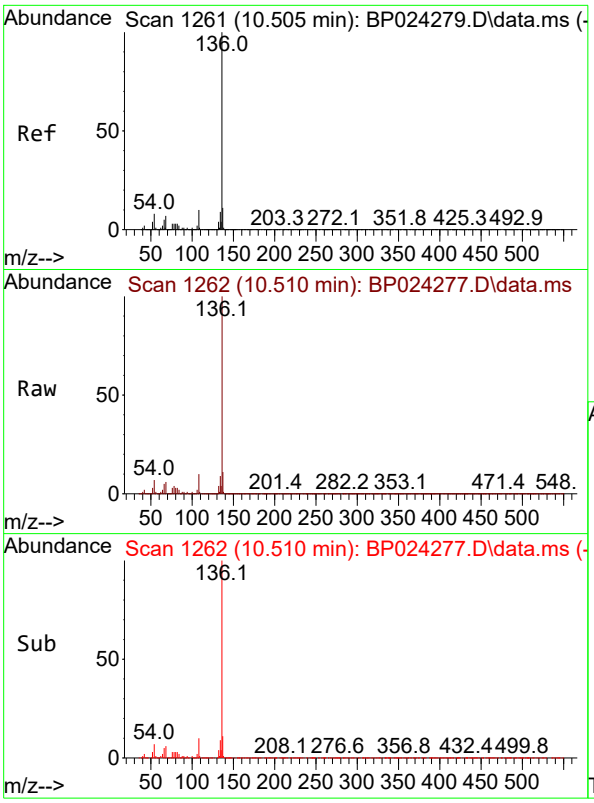


#20
3+4-Methylphenols
Concen: 9.187 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.8	109.8
77	32.3	11.5	51.5
79	27.4	7.8	47.8



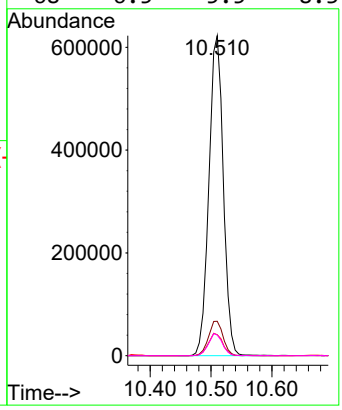


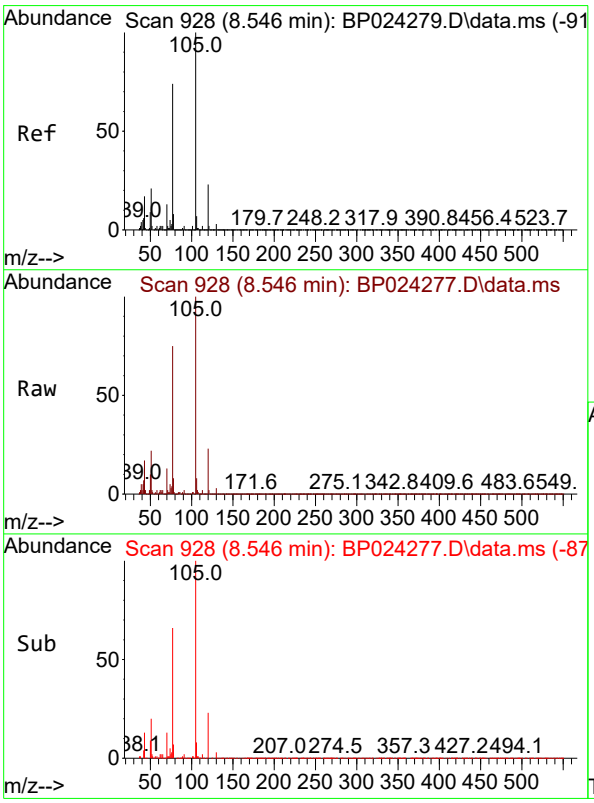
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1022895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.6	6.0	9.0
68	6.5	5.5	8.3

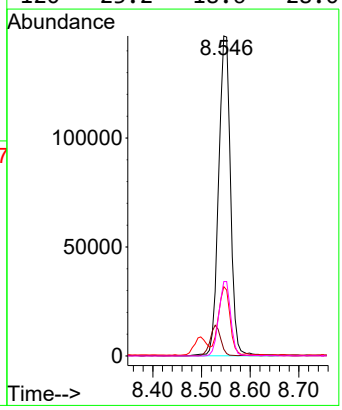


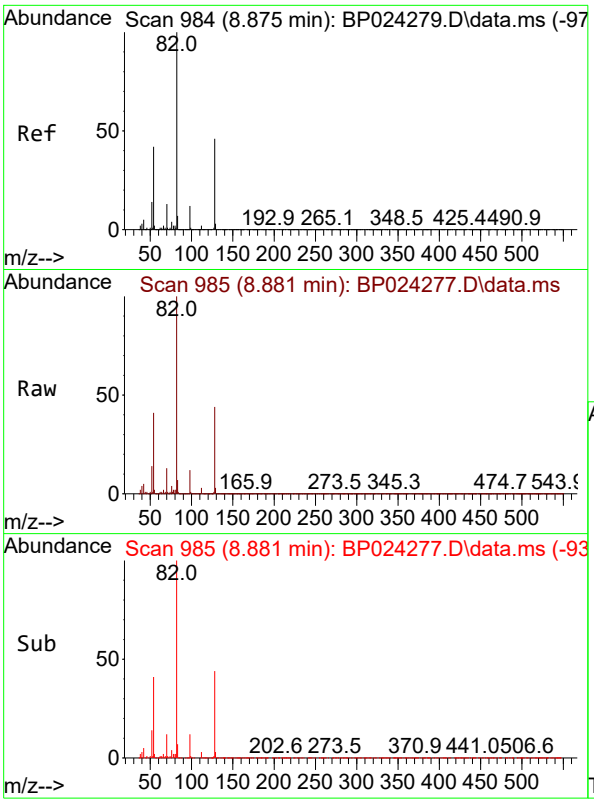


#22
Acetophenone
Concen: 9.787 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:105 Resp: 248823

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.7	16.9	25.3
120	23.2	18.6	28.0



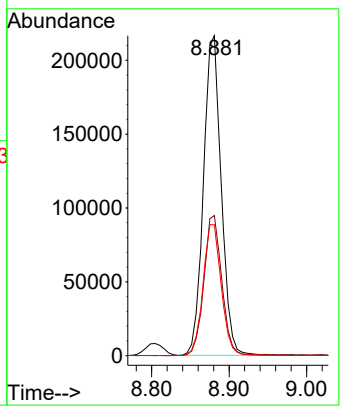


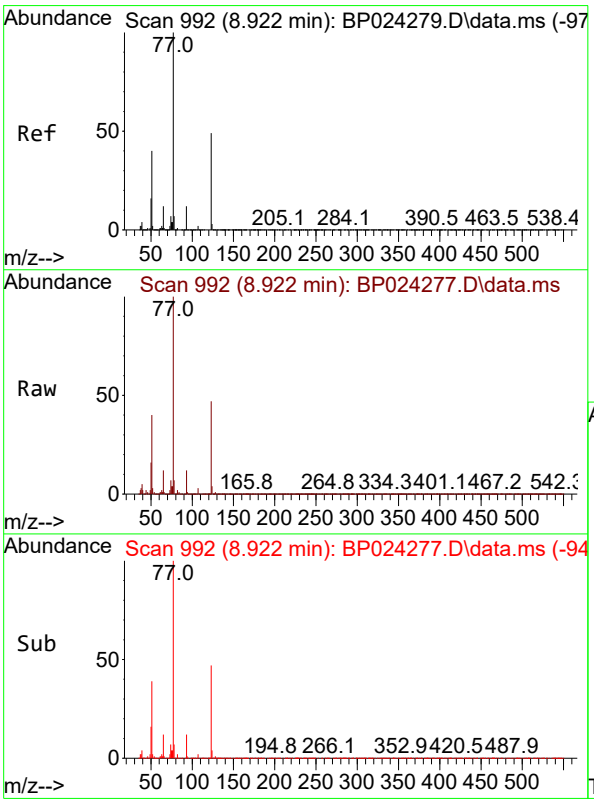
#23
Nitrobenzene-d5
Concen: 19.207 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 345094

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	40.9	33.4	50.2

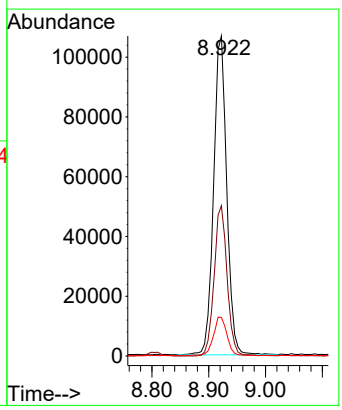


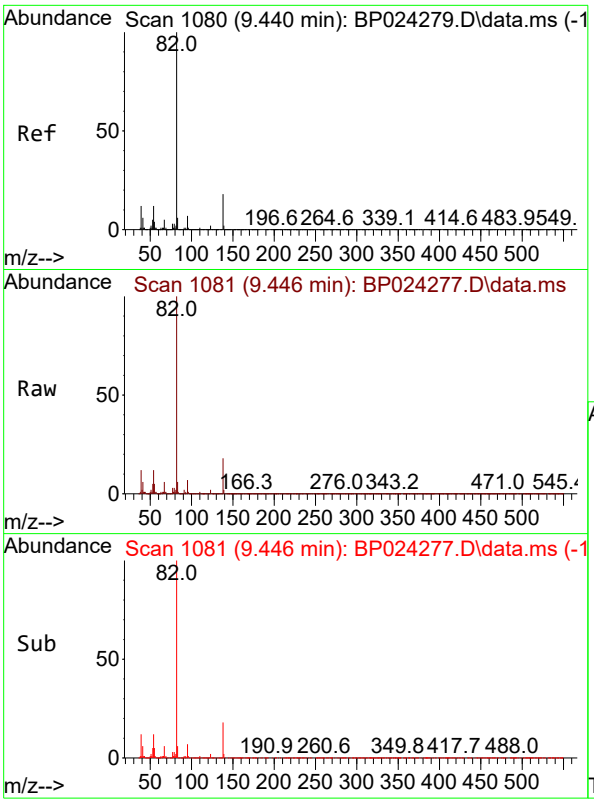


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 77 Resp: 170770

Ion	Ratio	Lower	Upper
77	100		
123	47.0	39.2	58.8
65	12.1	9.8	14.6



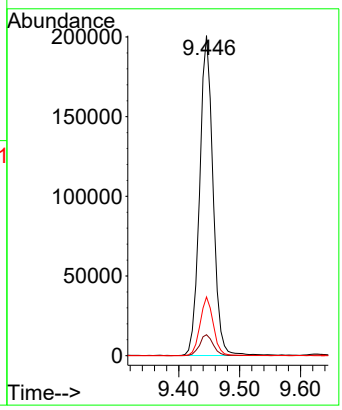


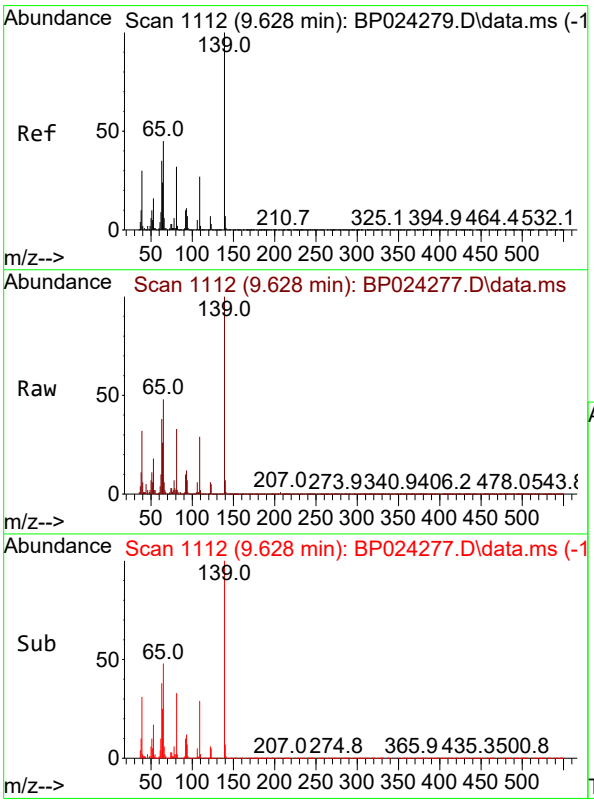
#25
Isophorone
Concen: 9.473 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 307272

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.3	14.4	21.6

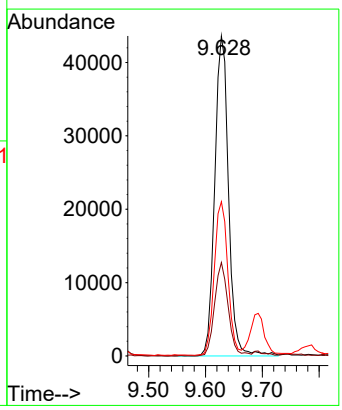


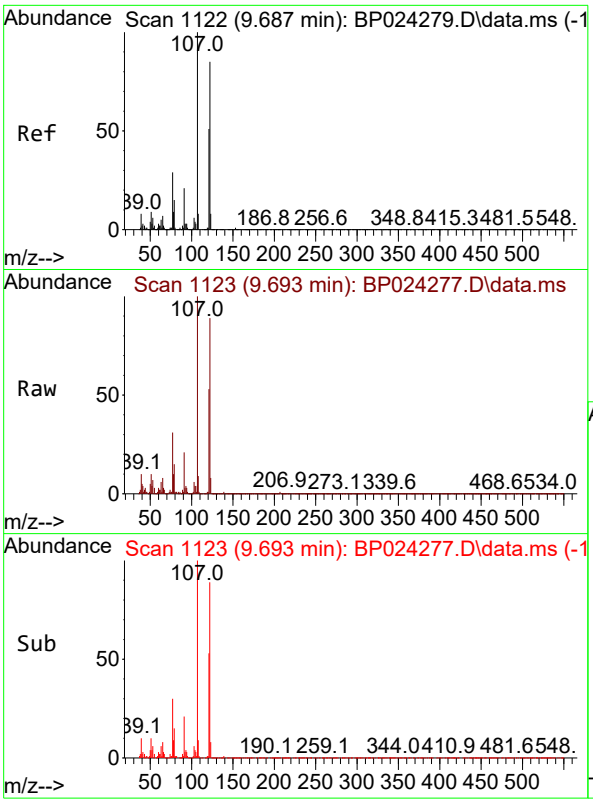


#26
2-Nitrophenol
Concen: 8.575 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 73320

Ion	Ratio	Lower	Upper
139	100		
109	29.2	21.8	32.6
65	48.2	36.2	54.2



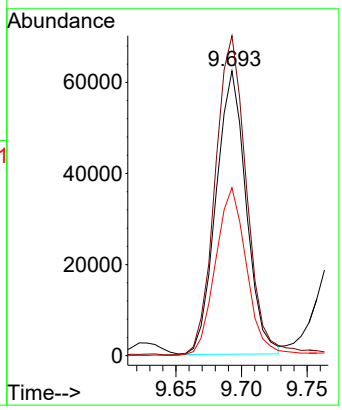


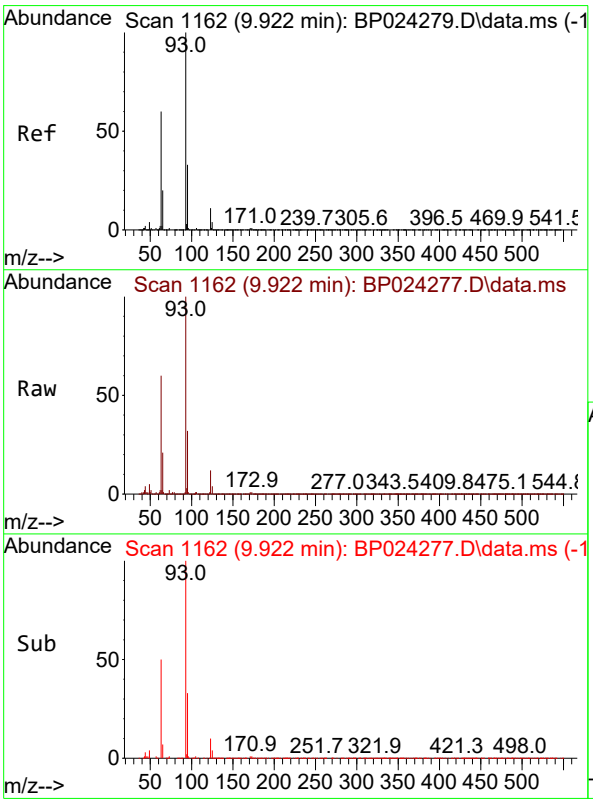
#27
2,4-Dimethylphenol
Concen: 9.152 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 99186

Ion	Ratio	Lower	Upper
122	100		
107	112.4	93.7	140.5
121	59.0	48.2	72.2

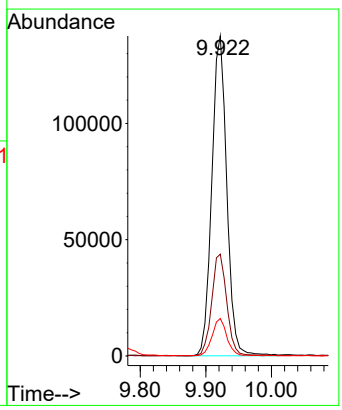


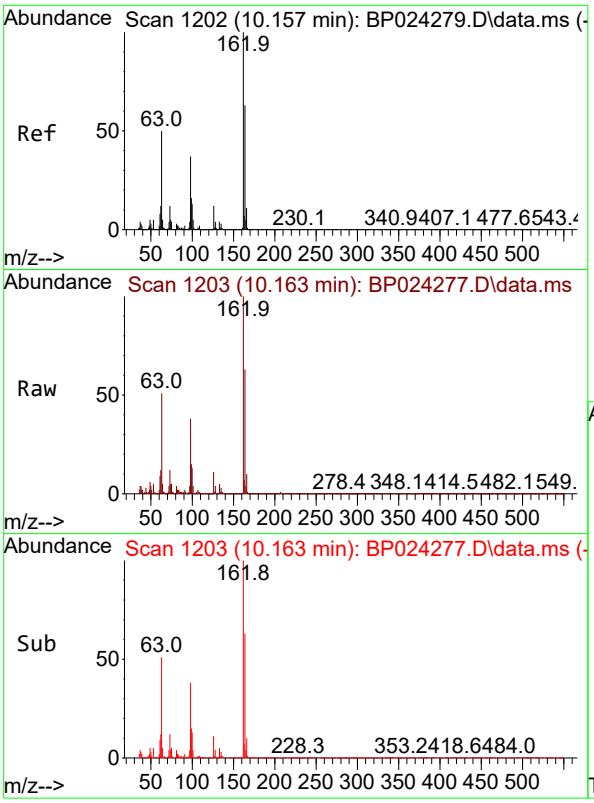


#28
bis(2-Chloroethoxy)methane
Concen: 9.869 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 217866

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7



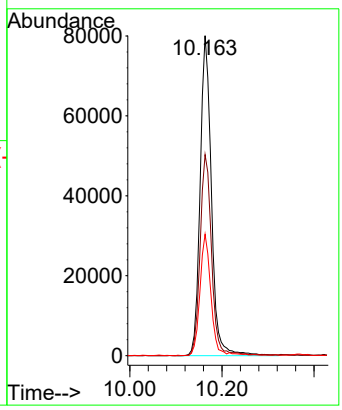


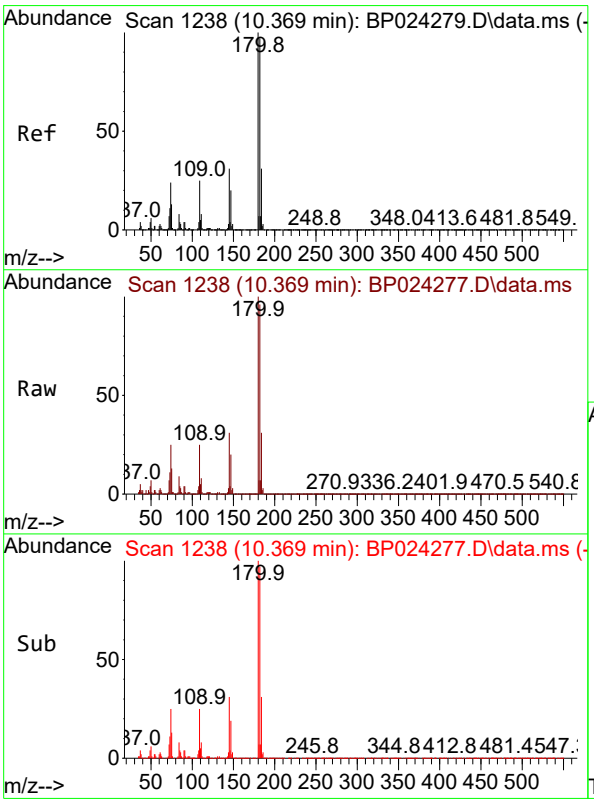
#29
2,4-Dichlorophenol
Concen: 9.263 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 136816

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.3	83.3
98	37.9	16.6	56.6

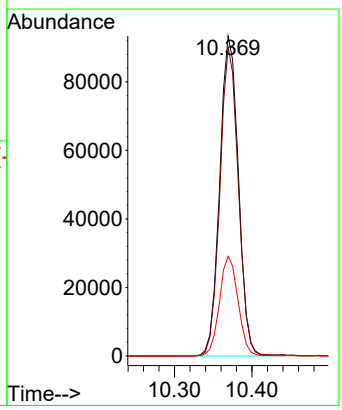


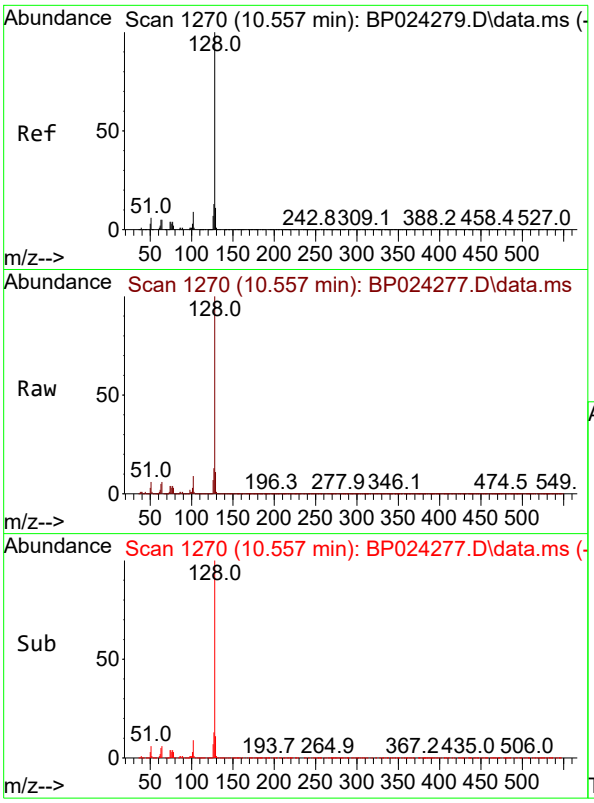


#30
1,2,4-Trichlorobenzene
Concen: 9.760 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:180 Resp: 155965

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	31.1	25.1	37.7



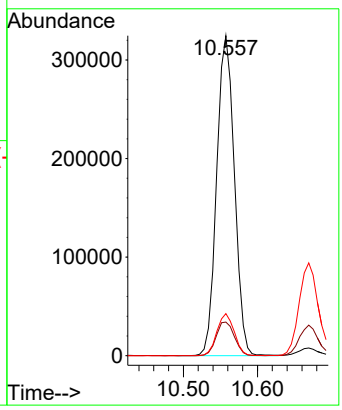


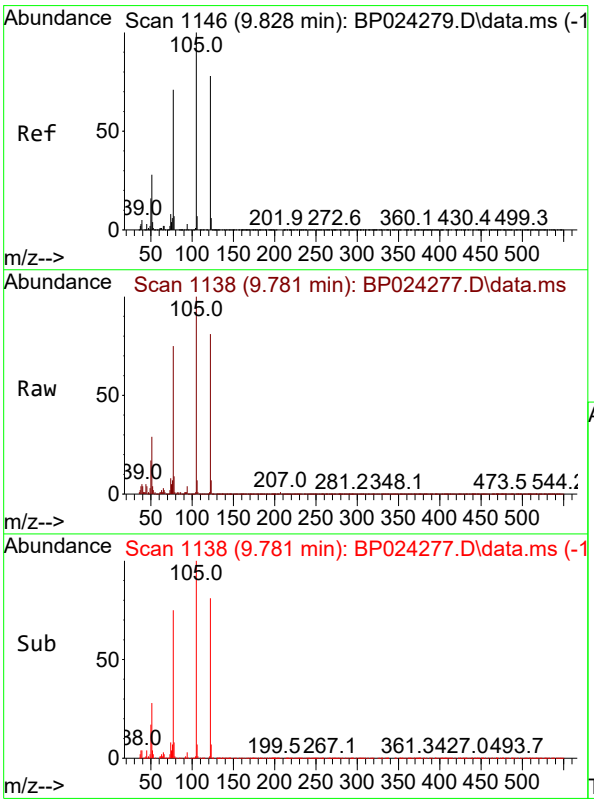
#31
Naphthalene
Concen: 9.953 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 538892

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.1	10.3	15.5

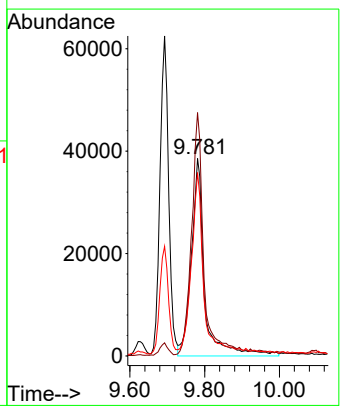


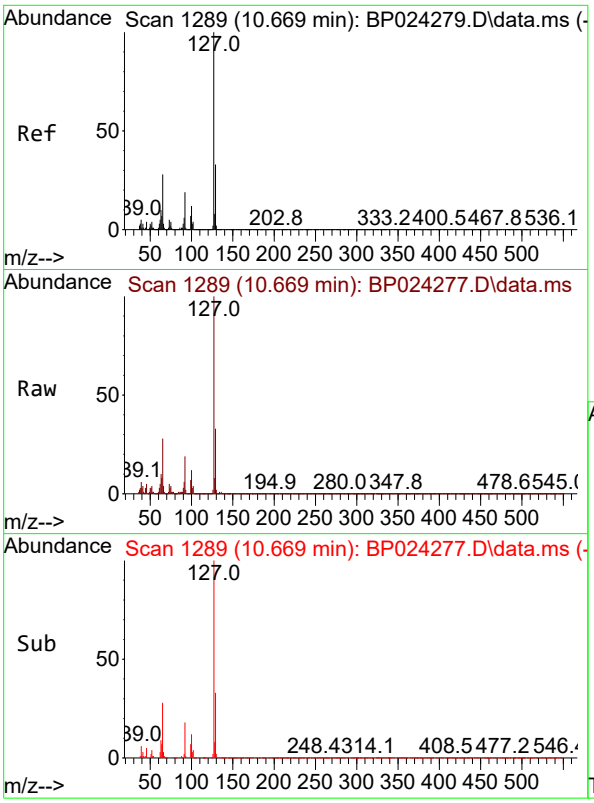


#32
Benzoic acid
Concen: 8.095 ng m
RT: 9.781 min Scan# 1138
Delta R.T. -0.047 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:122 Resp: 94803

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	92.9	69.2	109.2



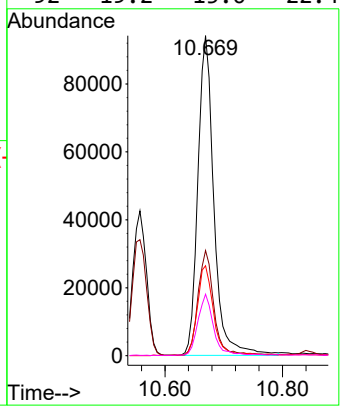


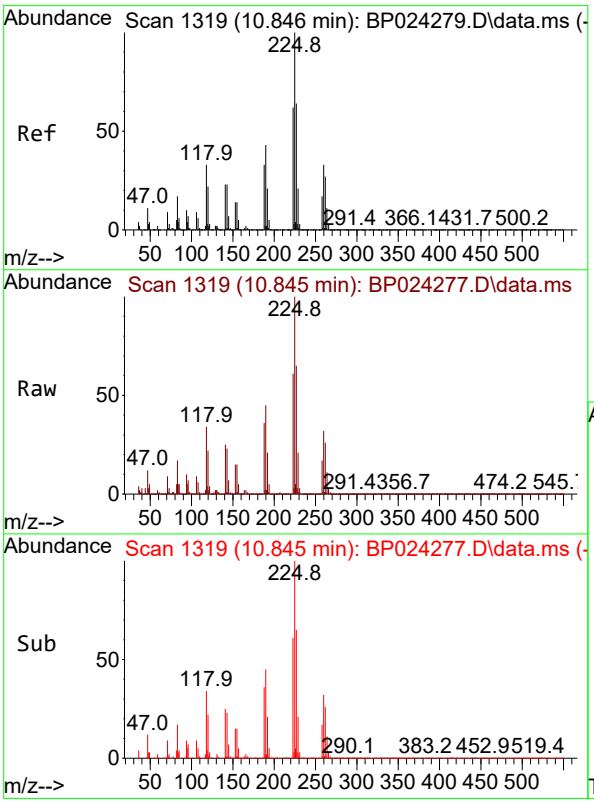
#33
4-Chloroaniline
Concen: 9.433 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 178451

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.1	22.1	33.1
92	19.2	15.0	22.4

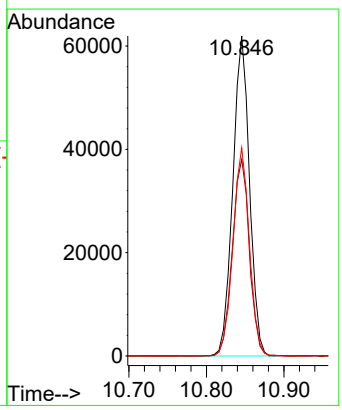


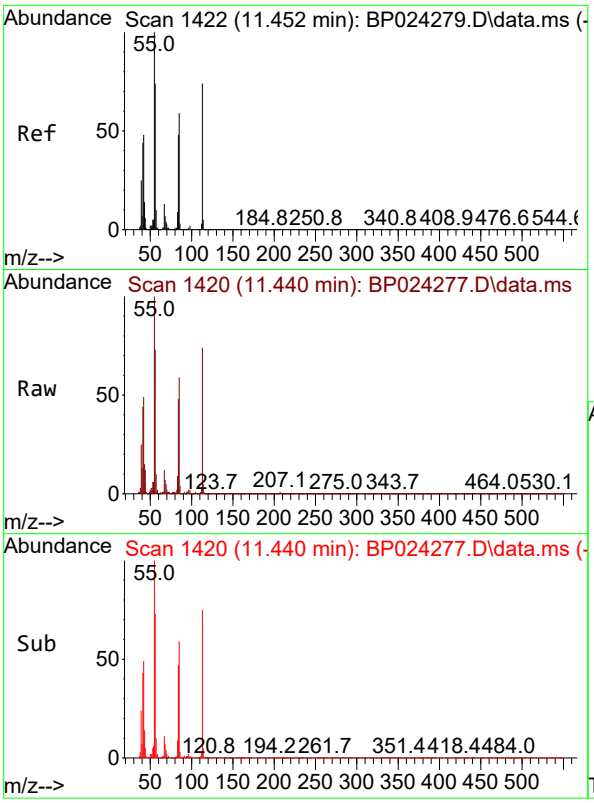


#34
Hexachlorobutadiene
Concen: 9.885 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:225 Resp: 92662

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	65.0	50.9	76.3



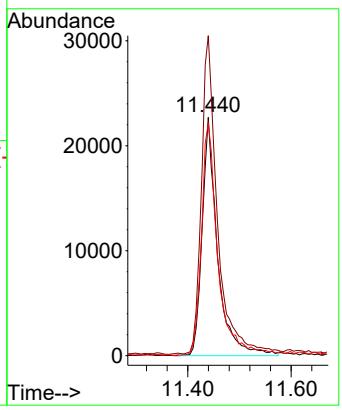


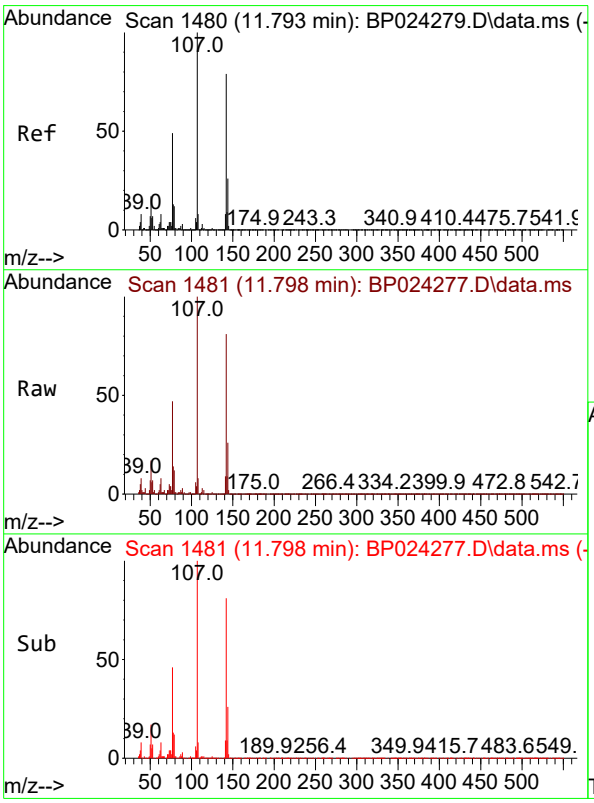
#35
Caprolactam
Concen: 8.670 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47014

Ion	Ratio	Lower	Upper
113	100		
55	134.3	115.9	155.9
56	97.4	81.1	121.1

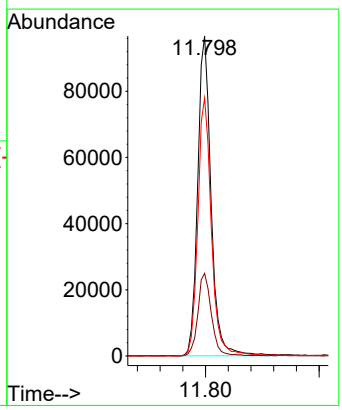


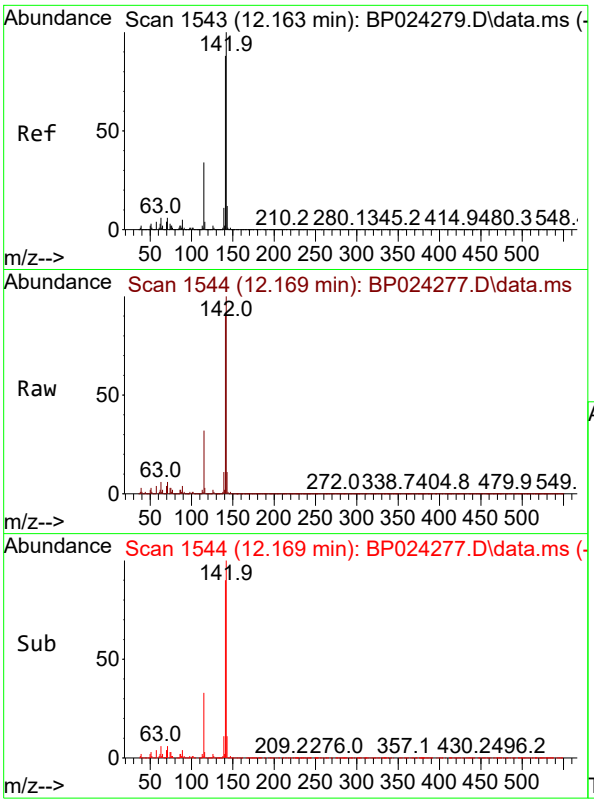


#36
4-Chloro-3-methylphenol
Concen: 9.213 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 158563

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.6	63.4	95.2



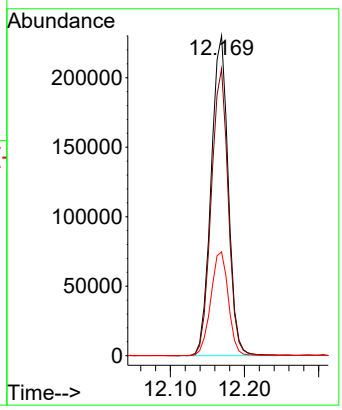


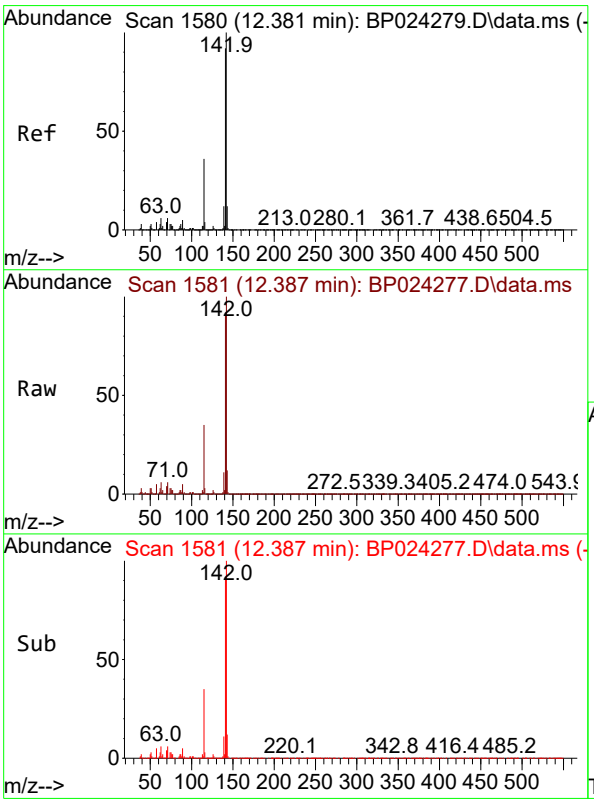
#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 368122

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	32.5	26.9	40.3

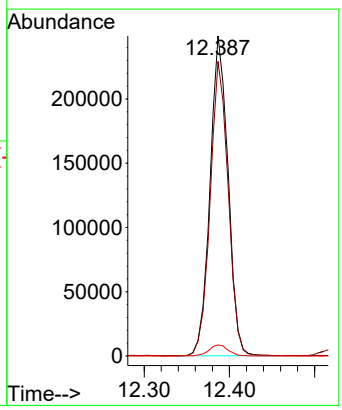


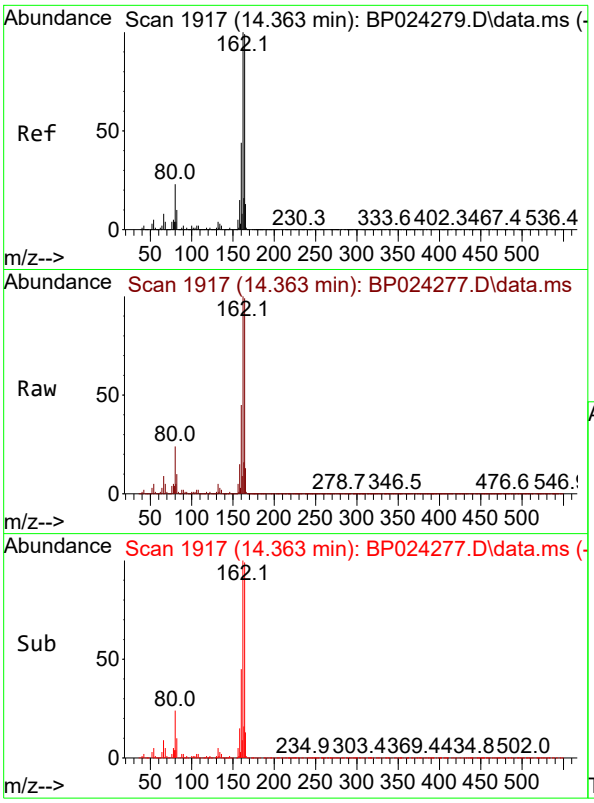


#38
1-Methylnaphthalene
Concen: 9.933 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:142 Resp: 365139

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	3.5	3.0	4.6



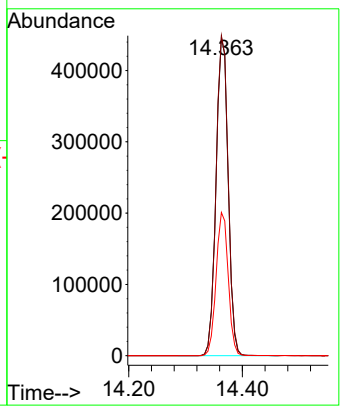


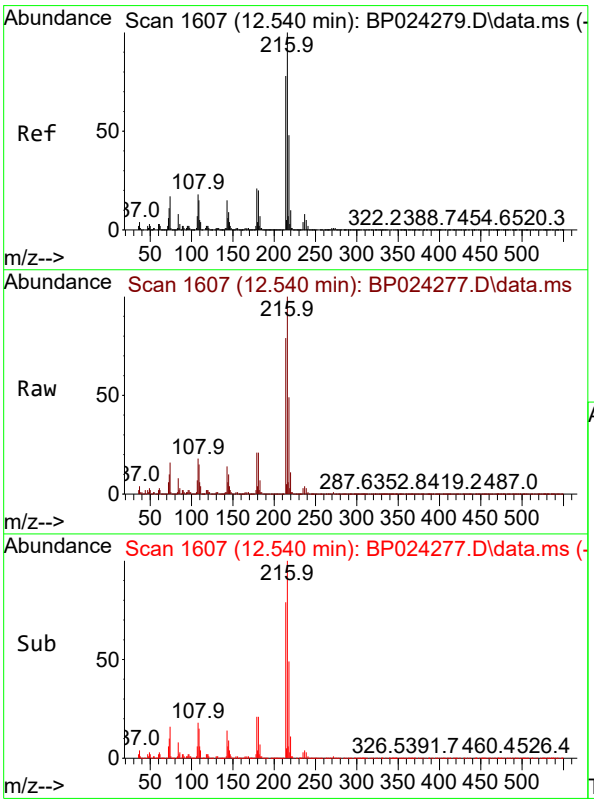
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 658652

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	35.3	52.9

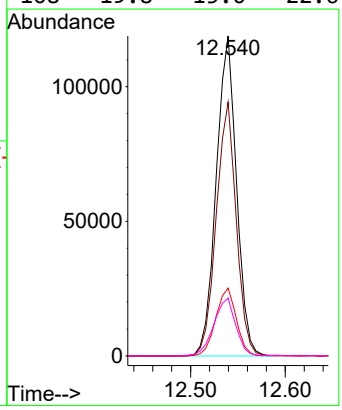


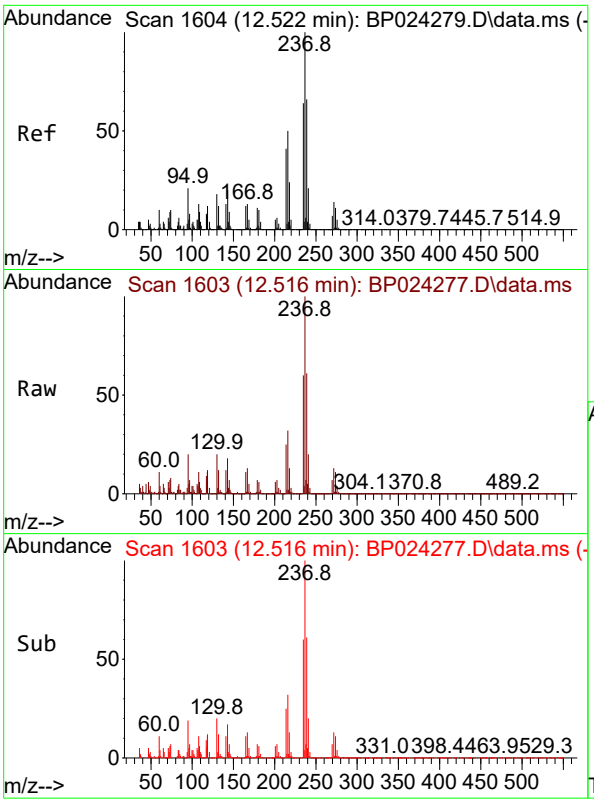


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.789 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:216 Resp: 177188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.5	17.2	25.8
108	19.8	15.0	22.6



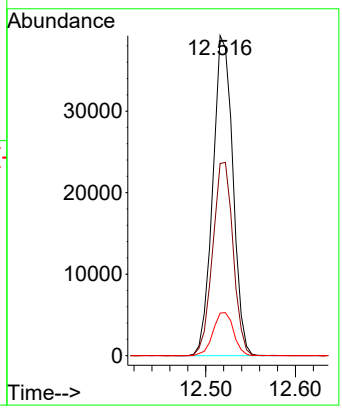


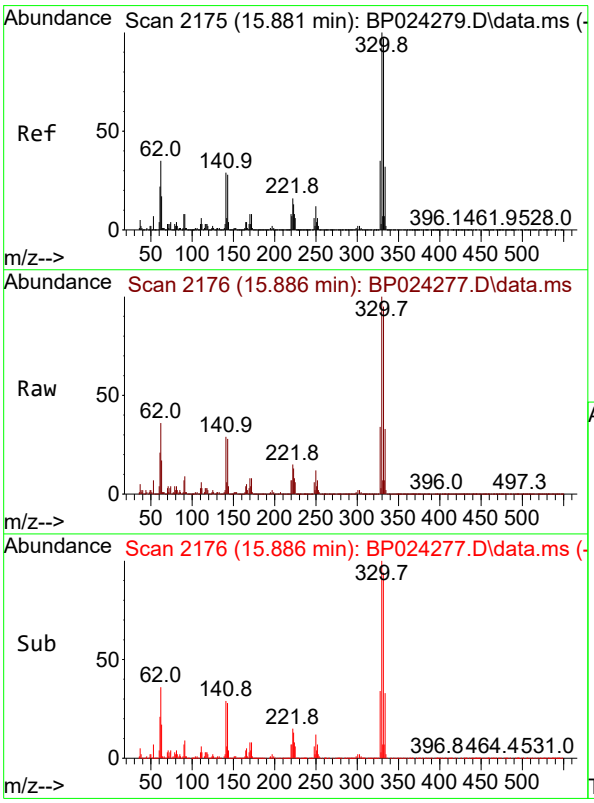
#41
Hexachlorocyclopentadiene
Concen: 9.586 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 60914

Ion	Ratio	Lower	Upper
237	100		
235	60.0	43.9	83.9
272	13.3	0.0	33.6

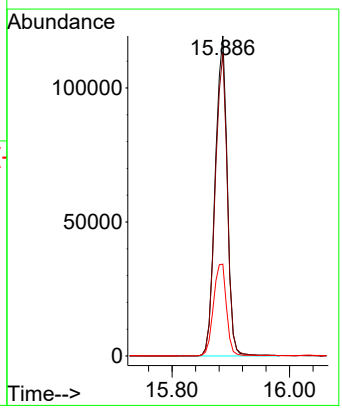


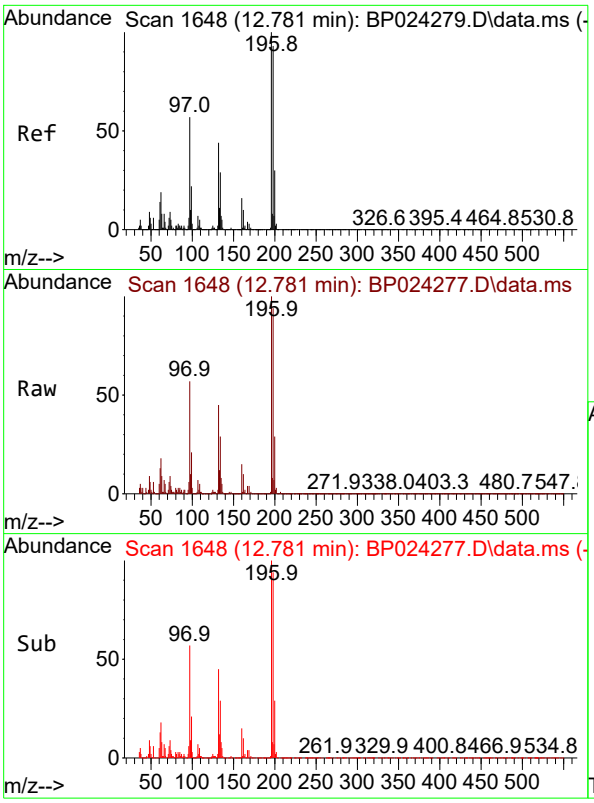


#42
2,4,6-Tribromophenol
Concen: 18.715 ng
RT: 15.886 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:330 Resp: 168790

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	31.2	24.7	37.1



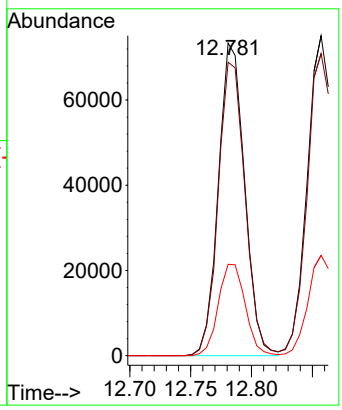


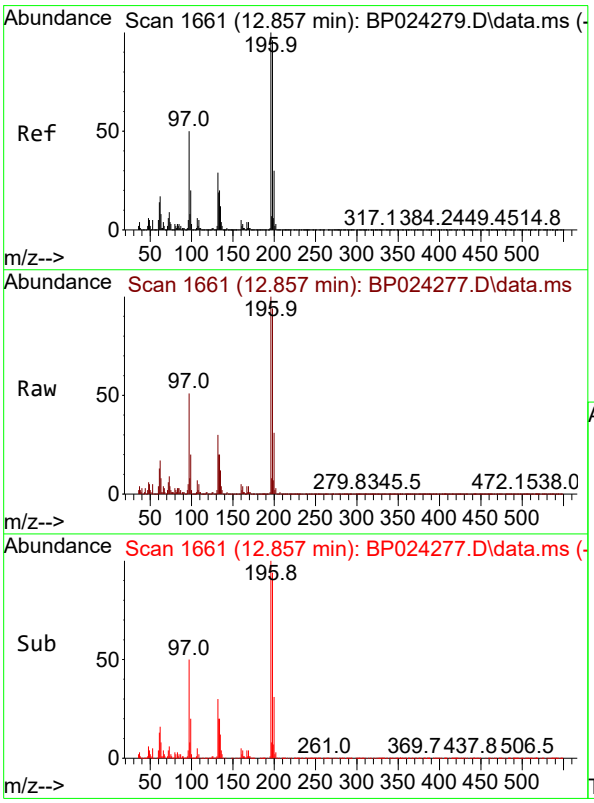
#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 110203

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.3	111.5
200	29.3	24.0	36.0

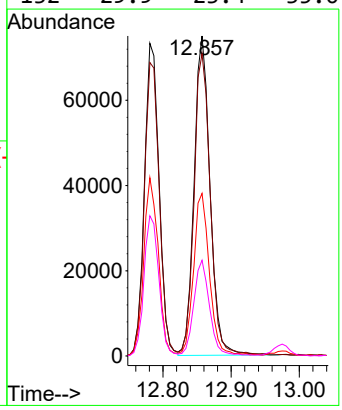


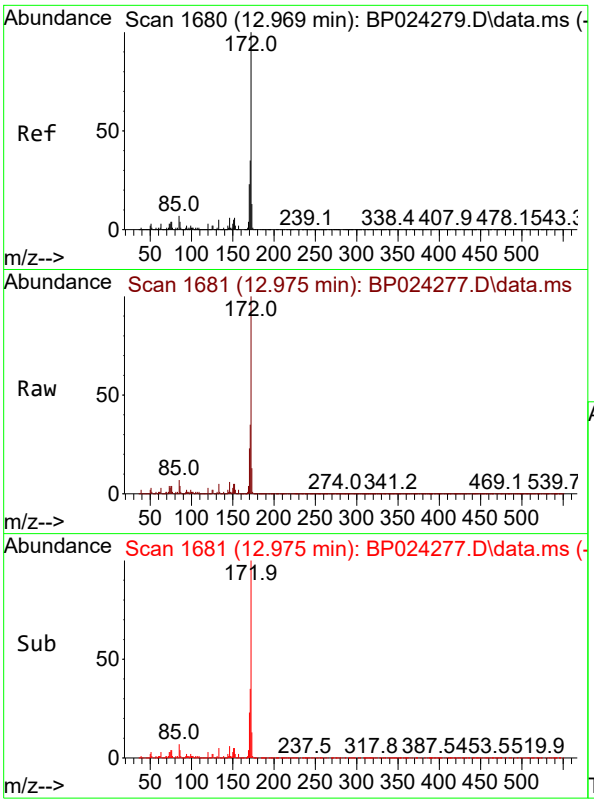


#44
2,4,5-Trichlorophenol
Concen: 9.251 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:196 Resp: 122104

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.3	115.9
97	50.8	40.4	60.6
132	29.9	23.4	35.0



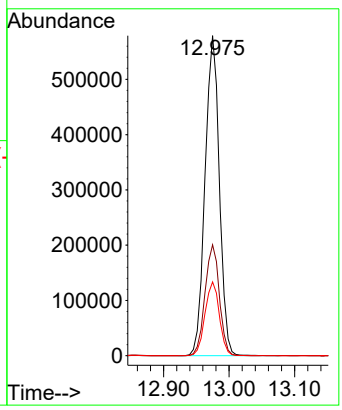


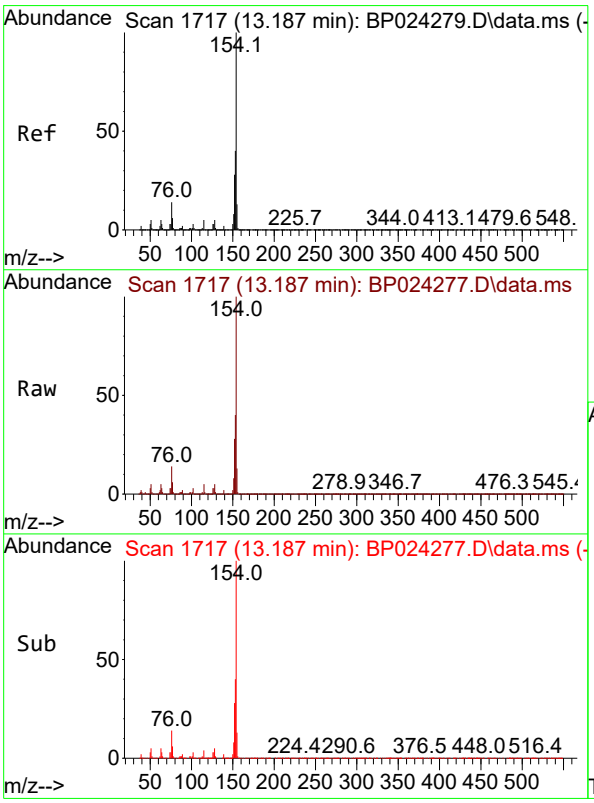
#45
2-Fluorobiphenyl
Concen: 20.247 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 878366

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.0	18.6	27.8

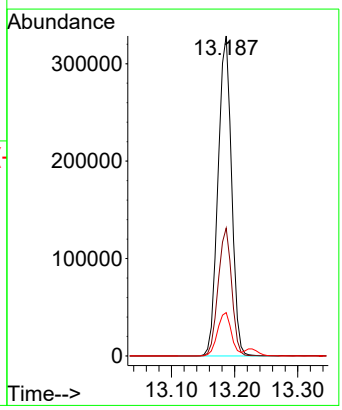


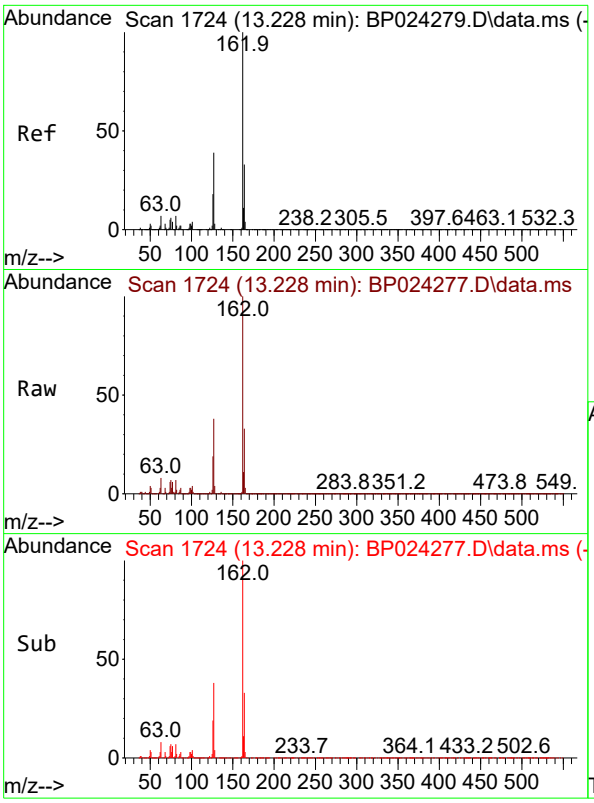


#46
1,1'-Biphenyl
Concen: 10.080 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 490325

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.6	0.0	33.5



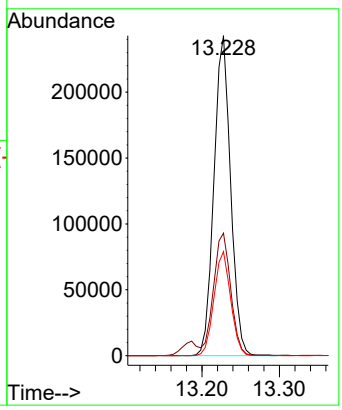


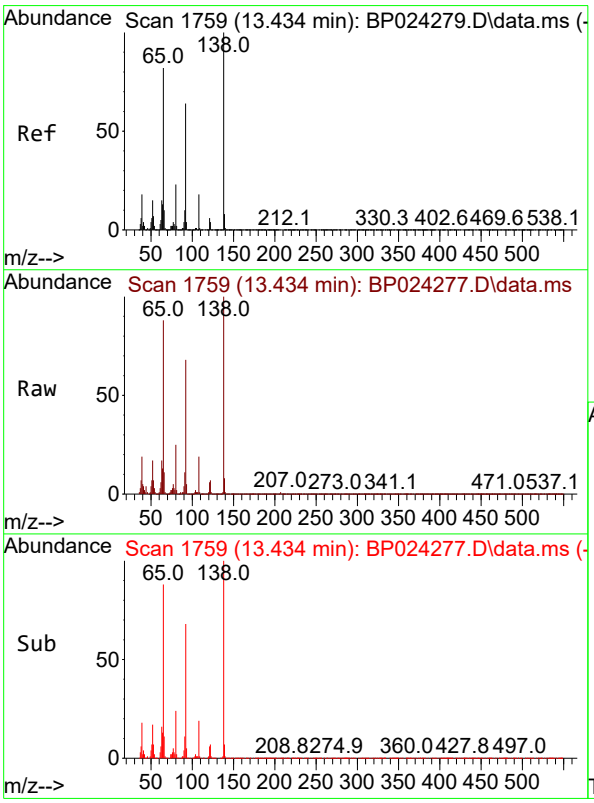
#47
2-Chloronaphthalene
Concen: 9.985 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 362419

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.9	47.9
164	32.5	26.2	39.4

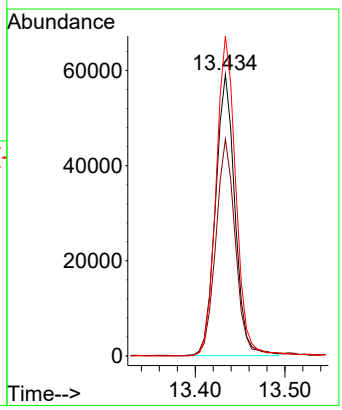


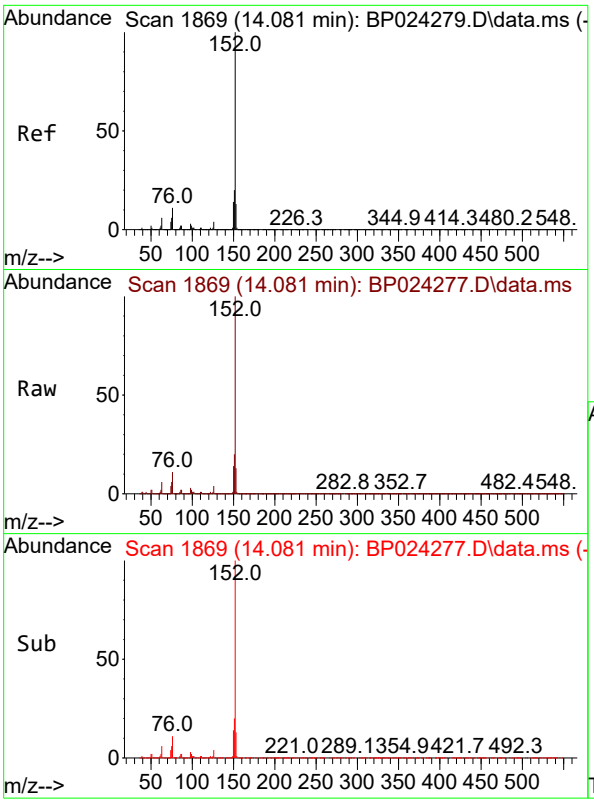


#48
2-Nitroaniline
Concen: 8.866 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 65 Resp: 88889

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	113.7	97.2	145.8



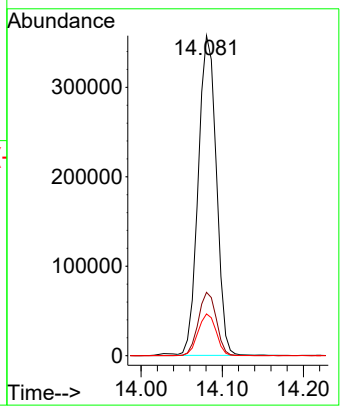


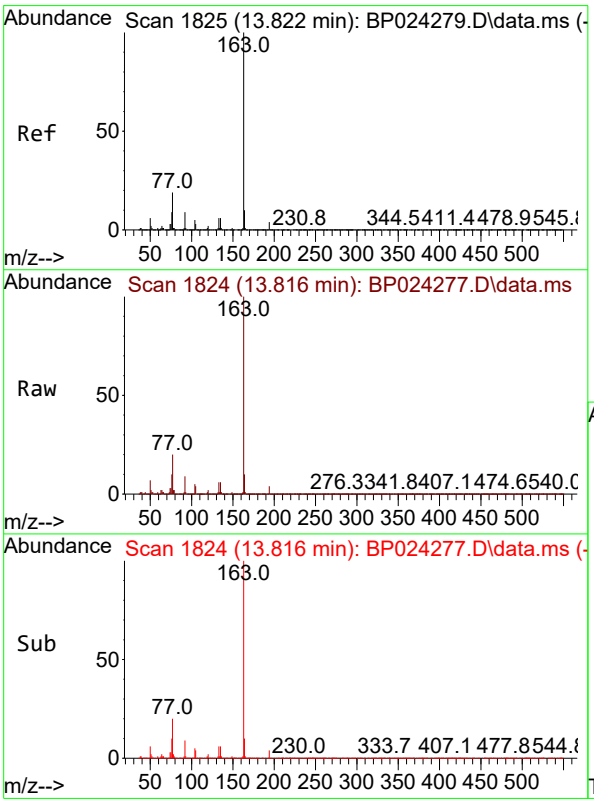
#49
Acenaphthylene
Concen: 9.711 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 553215

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

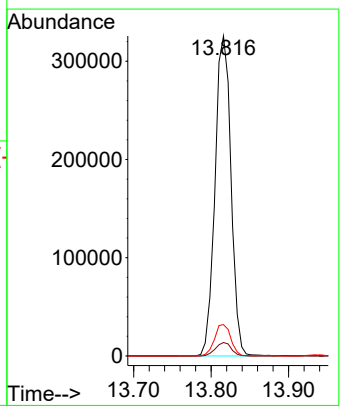


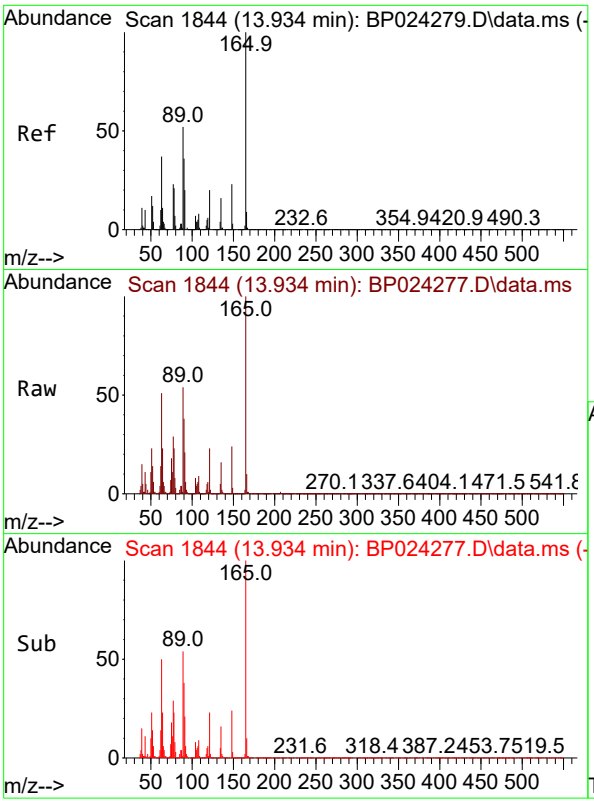


#50
Dimethylphthalate
Concen: 9.704 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:163 Resp: 466314

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.8	8.0	12.0



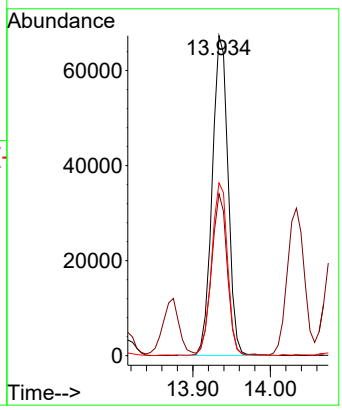


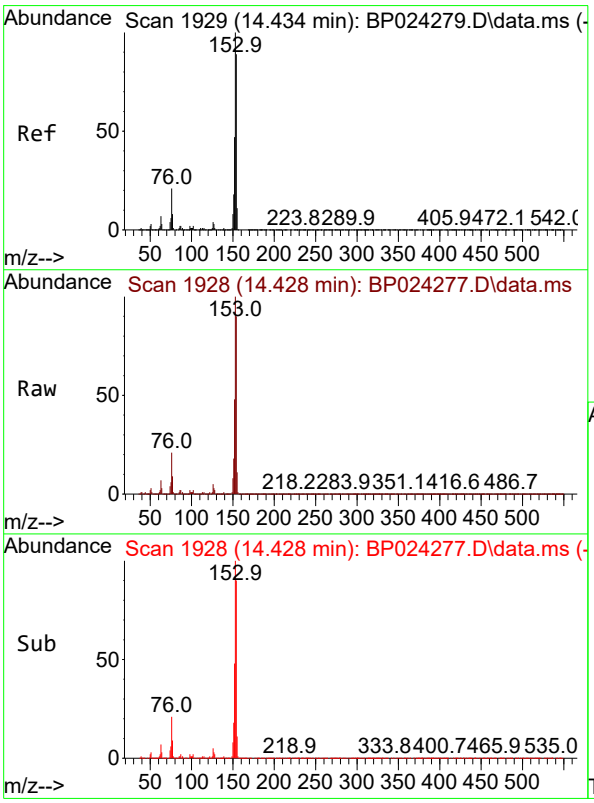
#51
2,6-Dinitrotoluene
Concen: 9.442 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 95596

Ion	Ratio	Lower	Upper
165	100		
63	50.6	38.0	57.0
89	54.0	41.7	62.5

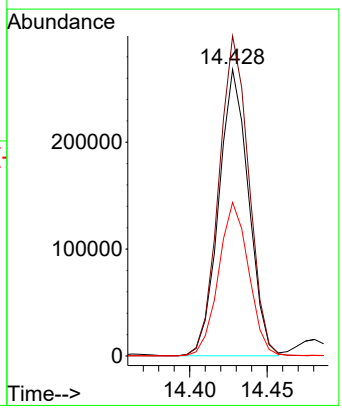


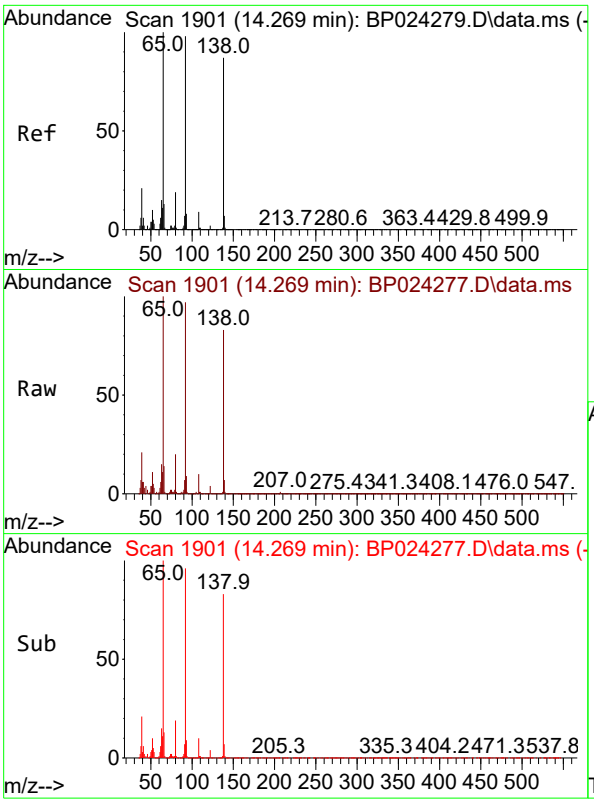


#52
Acenaphthene
Concen: 9.877 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 357828

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.6	42.6	63.8



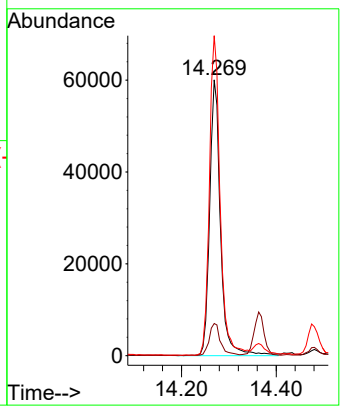


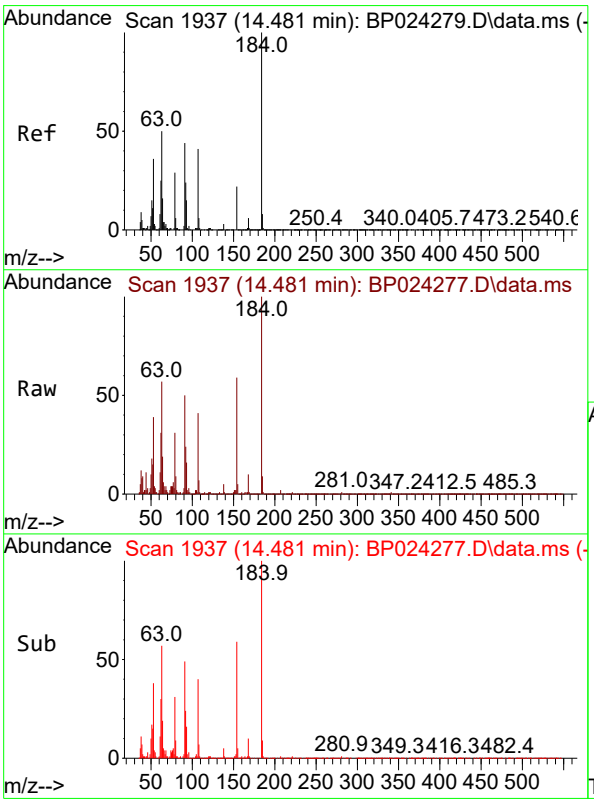
#53
3-Nitroaniline
Concen: 9.067 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 95237

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	116.0	89.8	134.8

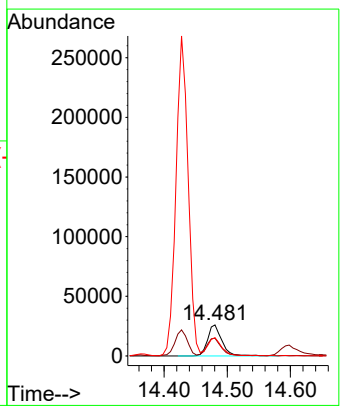


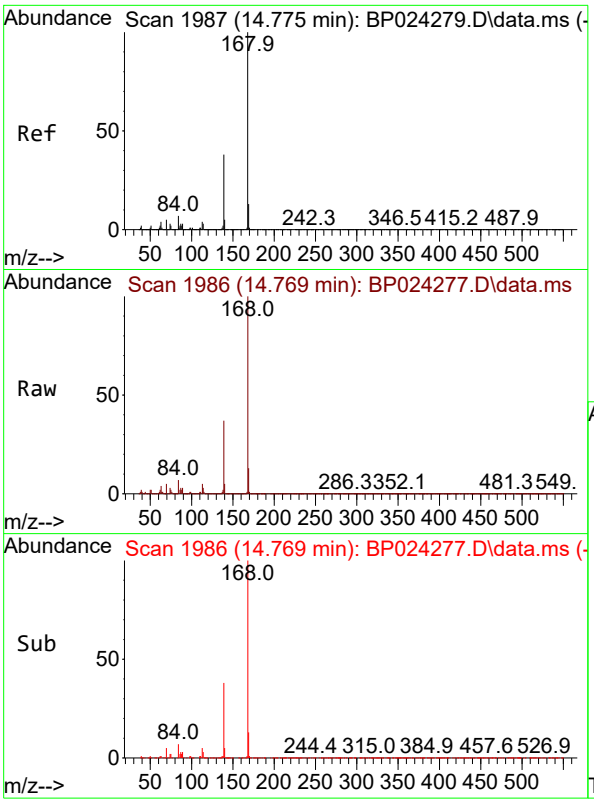


#54
2,4-Dinitrophenol
Concen: 7.588 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:184 Resp: 41132

Ion	Ratio	Lower	Upper
184	100		
63	57.2	42.6	64.0
154	58.9	47.2	70.8



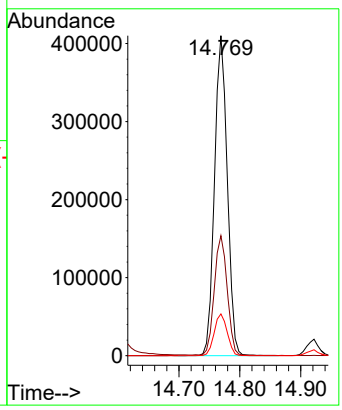


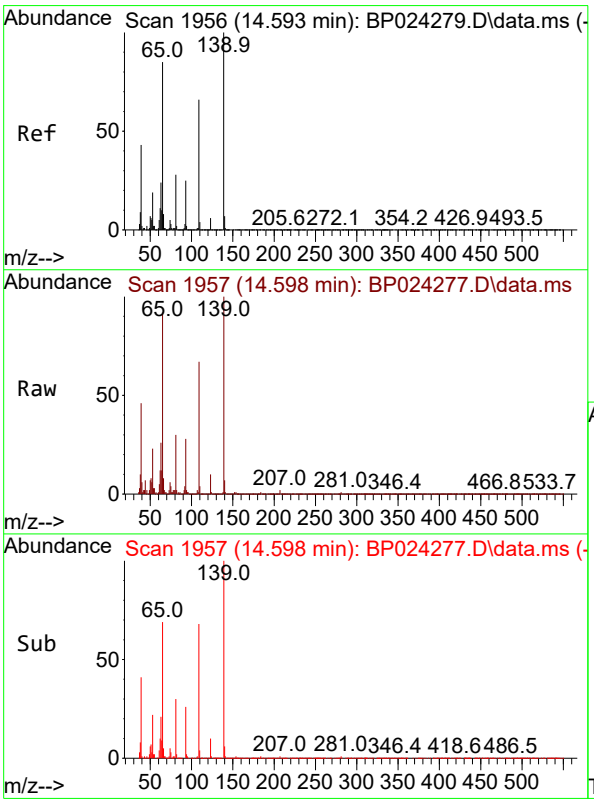
#55
Dibenzofuran
Concen: 10.013 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 594953

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.3	45.5
169	13.1	10.6	16.0

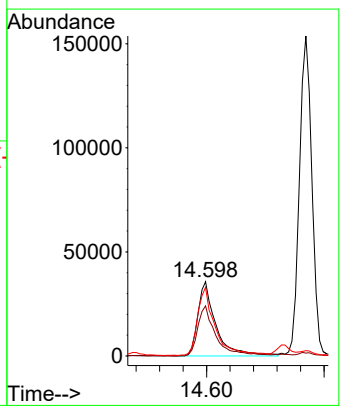


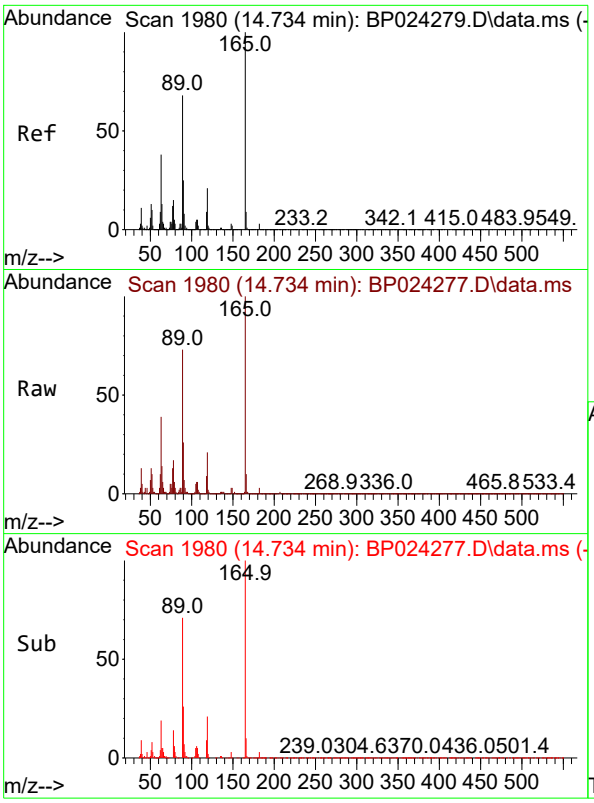


#56
4-Nitrophenol
Concen: 8.416 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 75995

Ion	Ratio	Lower	Upper
139	100		
109	67.3	46.1	86.1
65	92.4	65.0	105.0



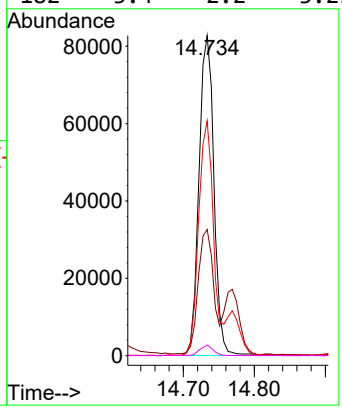


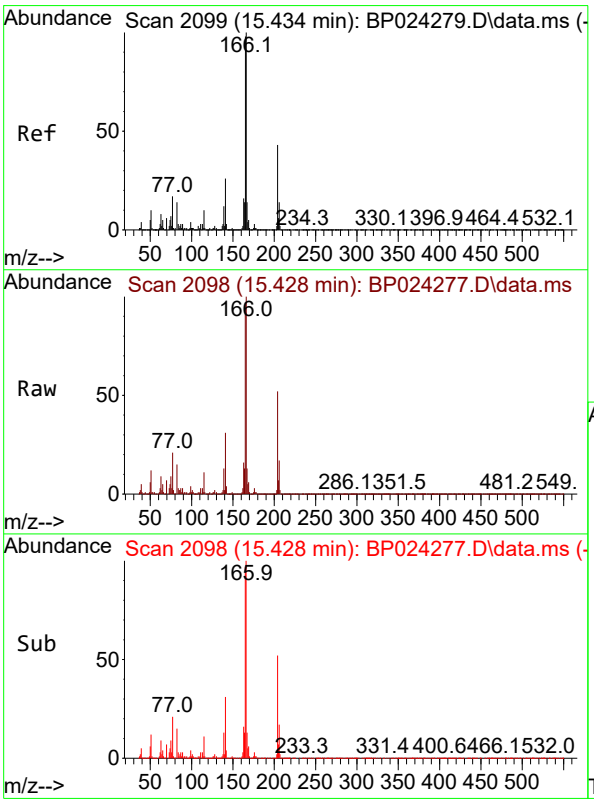
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 121276

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	73.4	54.6	82.0
182	3.4	2.2	3.2#

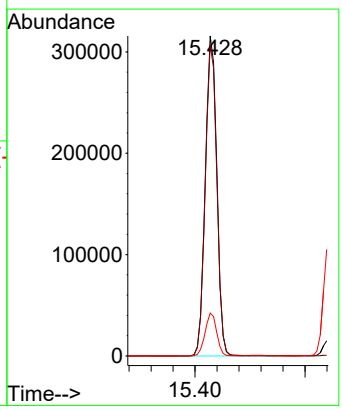


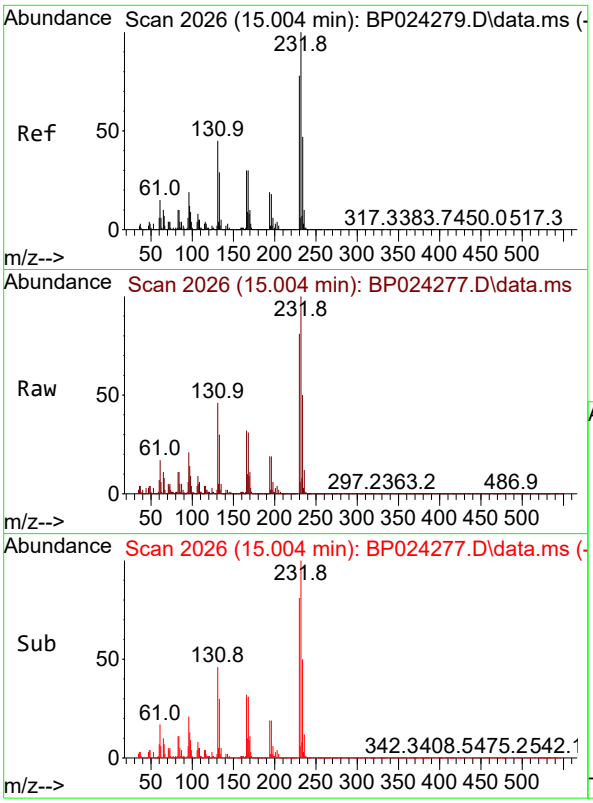


#58
Fluorene
Concen: 10.026 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:166 Resp: 459952

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



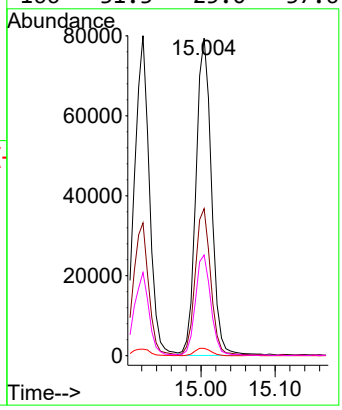


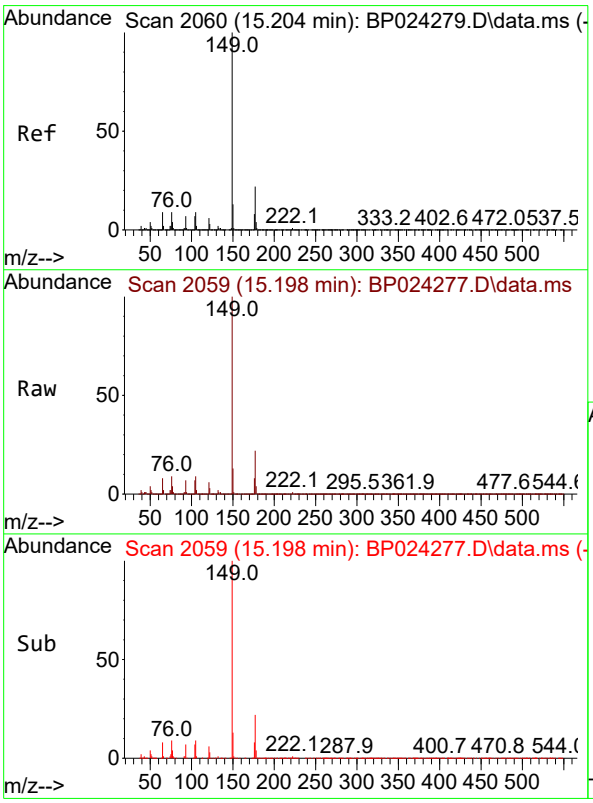
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.470 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115645

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

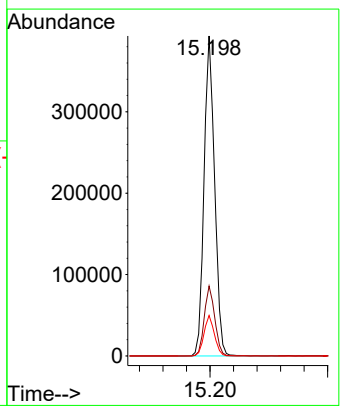


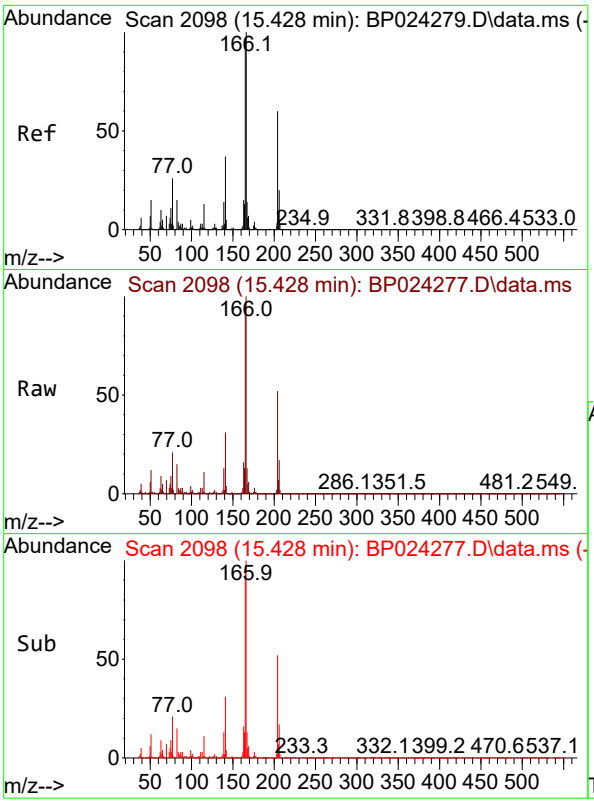


#60
Diethylphthalate
Concen: 9.884 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 488847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	10.1	15.1



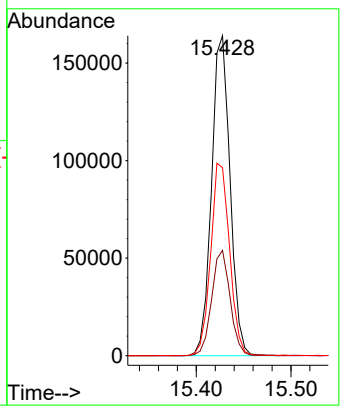


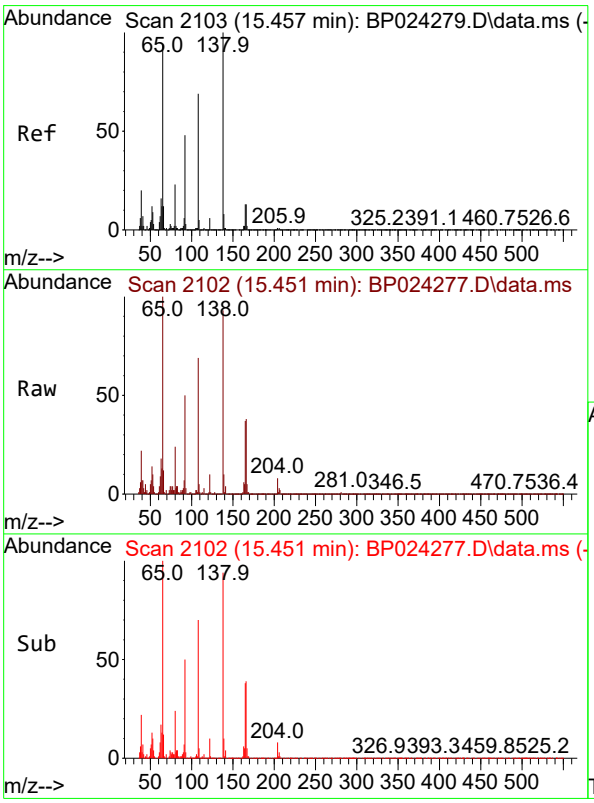
#61
4-Chlorophenyl-phenylether
Concen: 9.985 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 222437

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.8	49.4	74.0

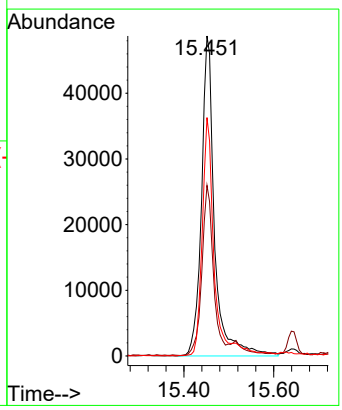


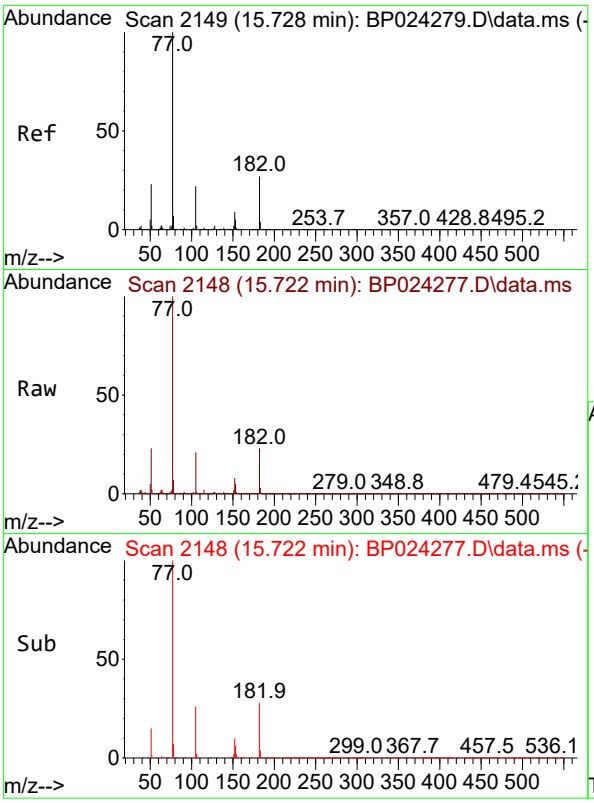


#62
4-Nitroaniline
Concen: 8.857 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:138 Resp: 98638

Ion	Ratio	Lower	Upper
138	100		
92	53.3	27.8	67.8
108	74.5	48.9	88.9



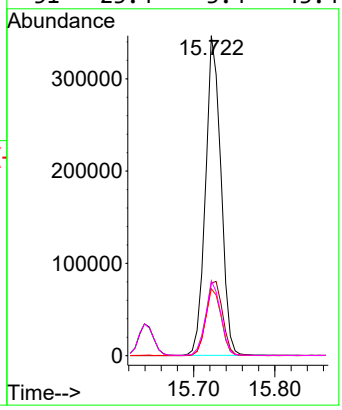


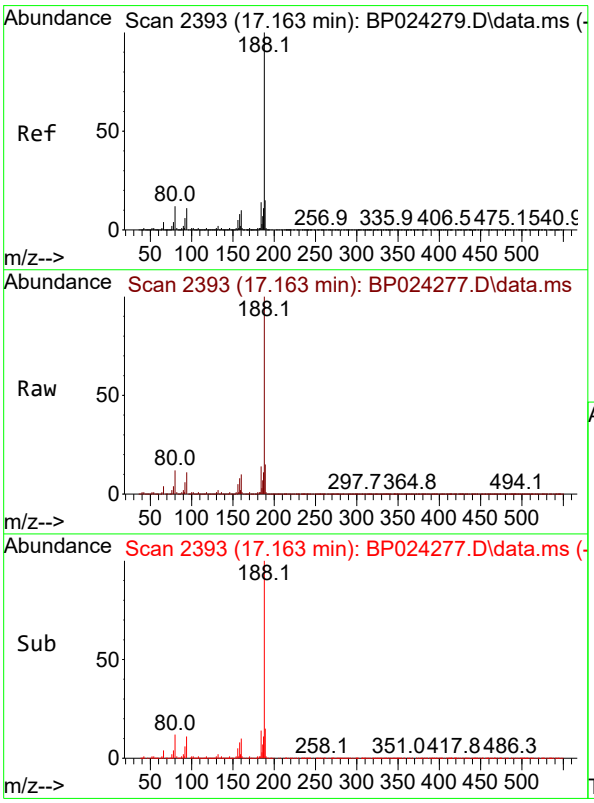
#63
Azobenzene
Concen: 9.999 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 455459

Ion	Ratio	Lower	Upper
77	100		
182	22.7	7.3	47.3
105	20.9	2.3	42.3
51	23.4	3.4	43.4

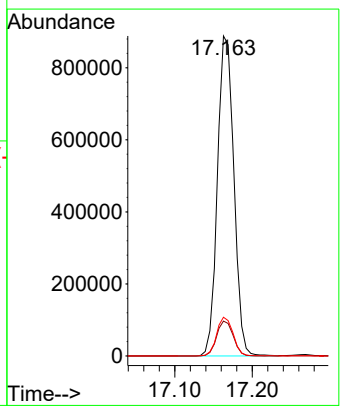


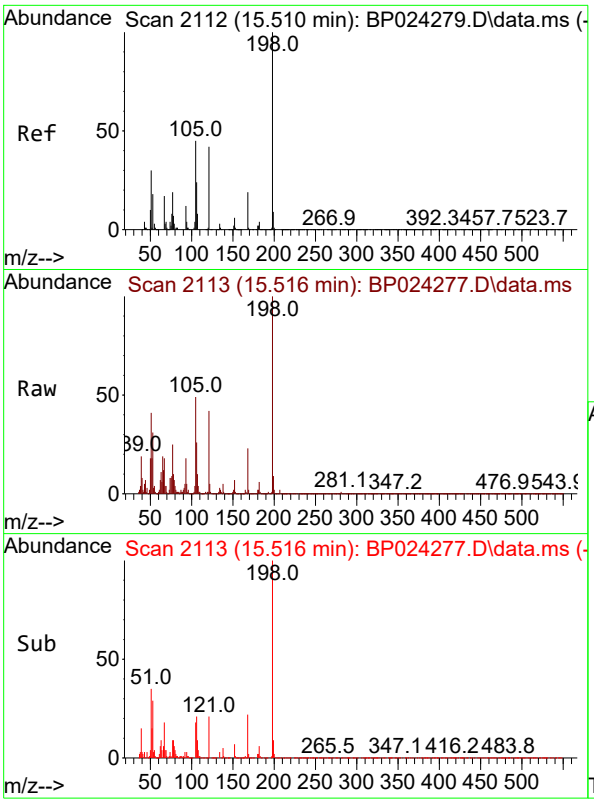


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:188 Resp: 1310701

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



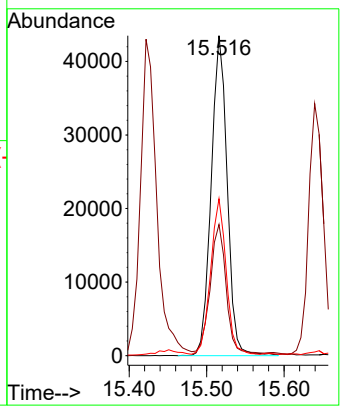


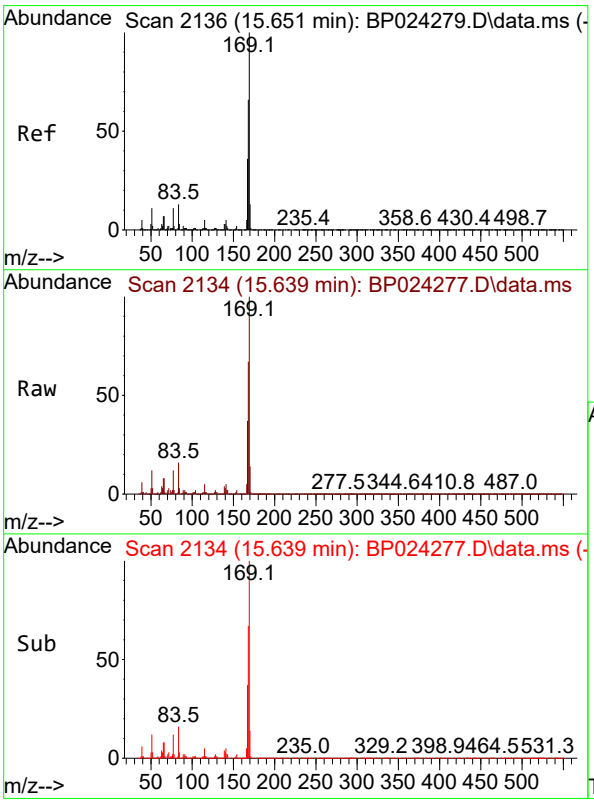
#65
4,6-Dinitro-2-methylphenol
Concen: 8.151 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 62421

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	49.0	26.5	66.5

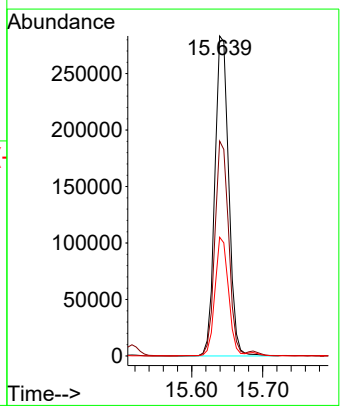


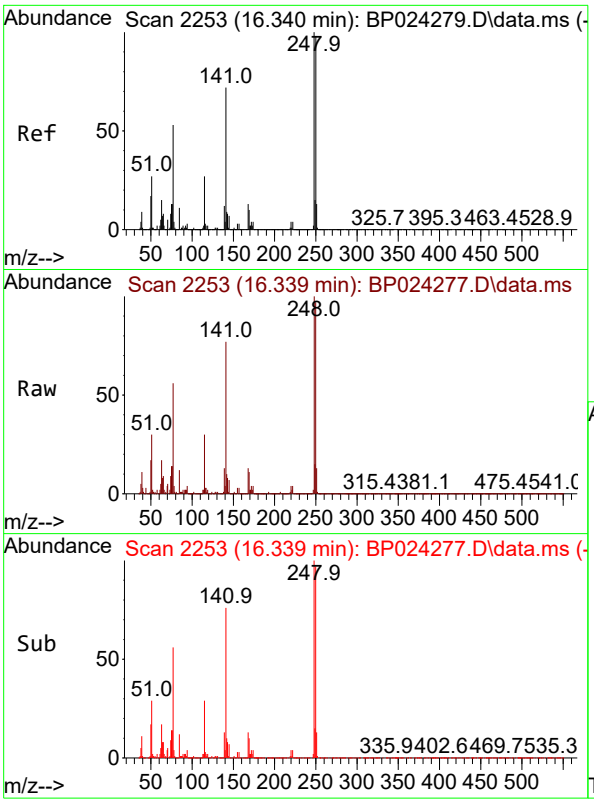


#66
n-Nitrosodiphenylamine
Concen: 9.759 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:169 Resp: 383558

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.4
167	37.1	28.9	43.3



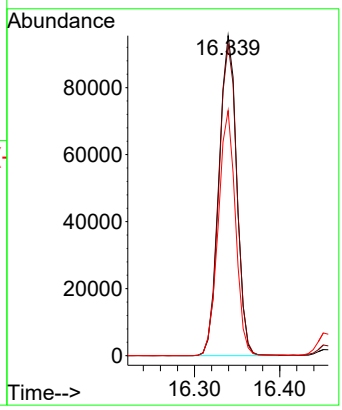


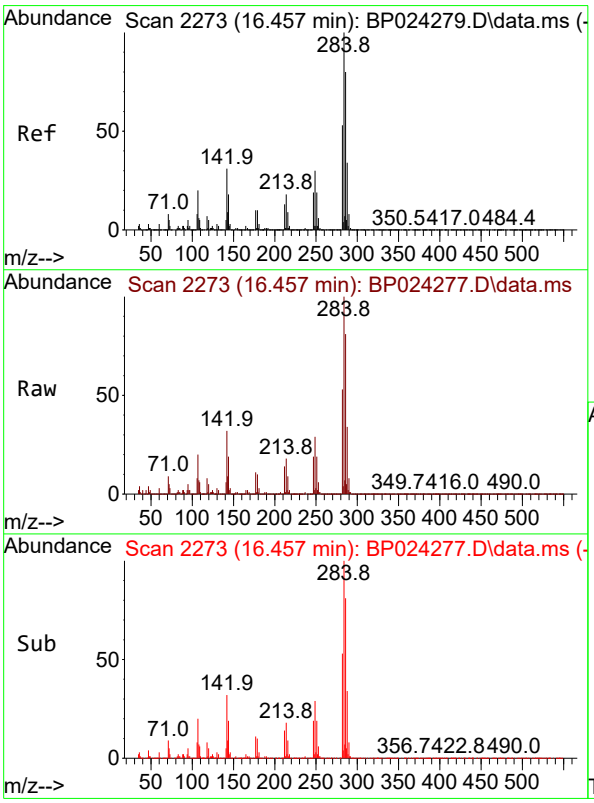
#67
4-Bromophenyl-phenylether
Concen: 9.703 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 138724

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	76.6	57.7	86.5

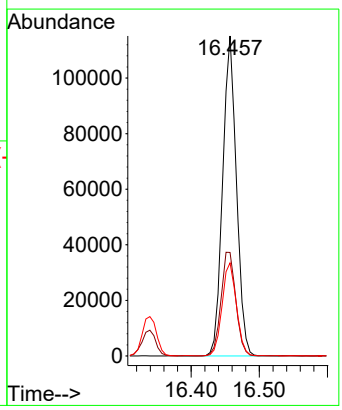


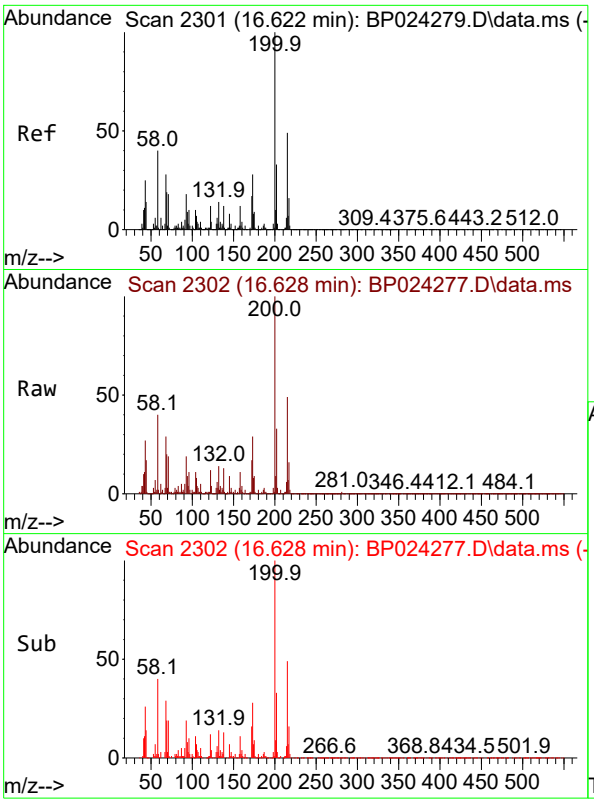


#68
Hexachlorobenzene
Concen: 9.528 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:284 Resp: 161944

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.1	23.8	35.6



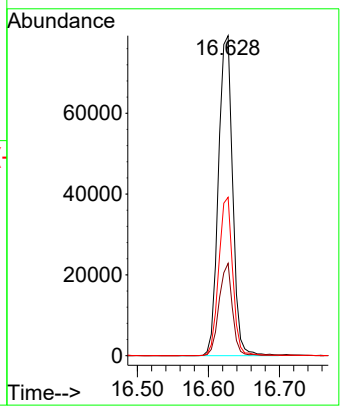


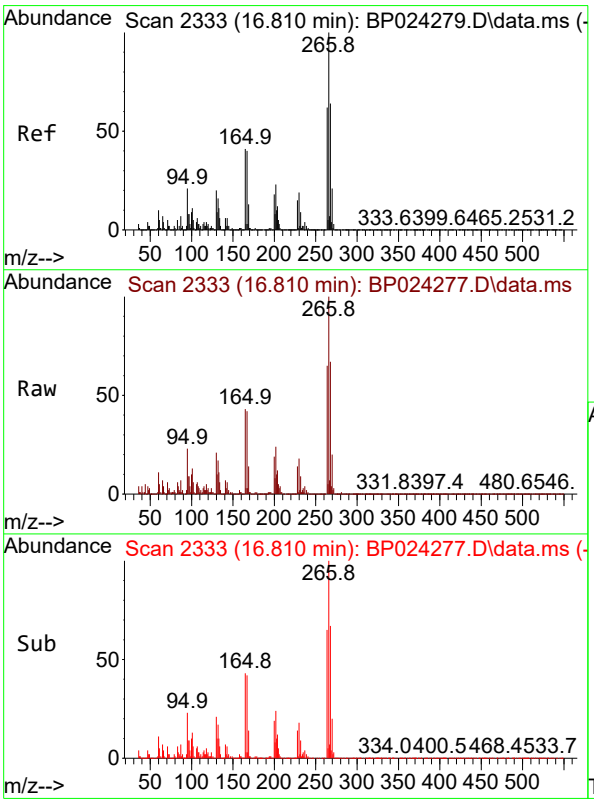
#69
Atrazine
Concen: 10.990 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 109503

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.5	47.5
215	49.5	28.8	68.8

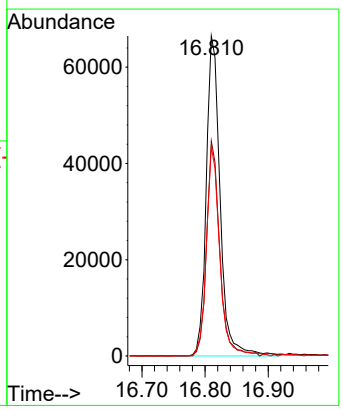


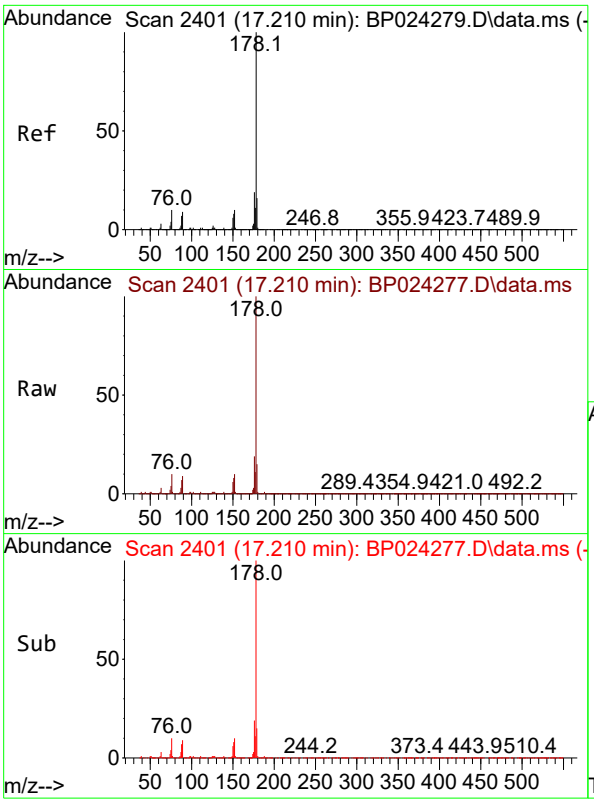


#70
Pentachlorophenol
Concen: 8.682 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:266 Resp: 101318

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	65.3	49.8	74.6



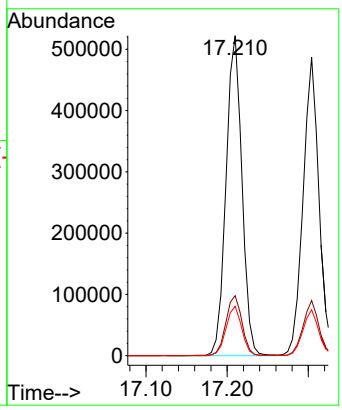


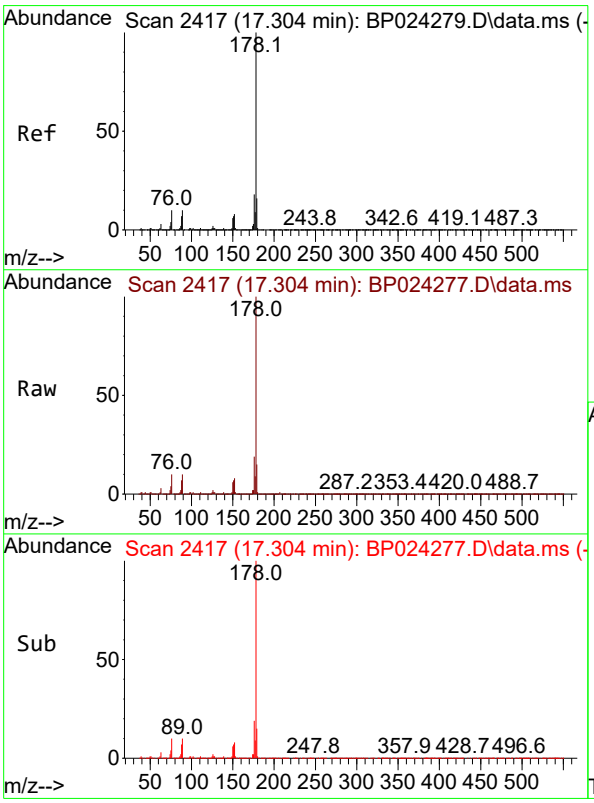
#71
Phenanthrene
Concen: 9.900 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 711407

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.5	18.7

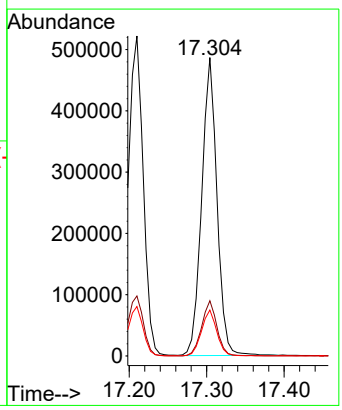


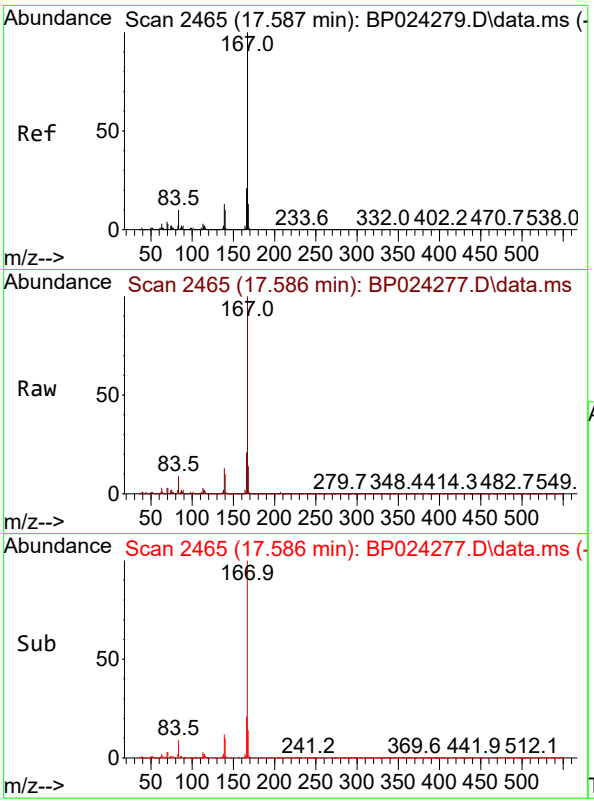


#72
Anthracene
Concen: 9.635 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:178 Resp: 666269

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6



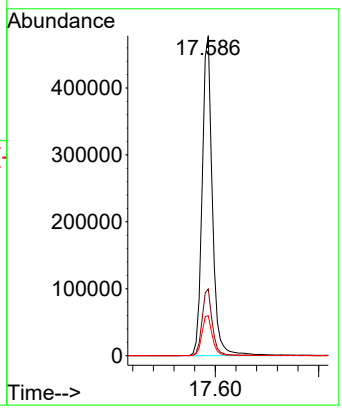


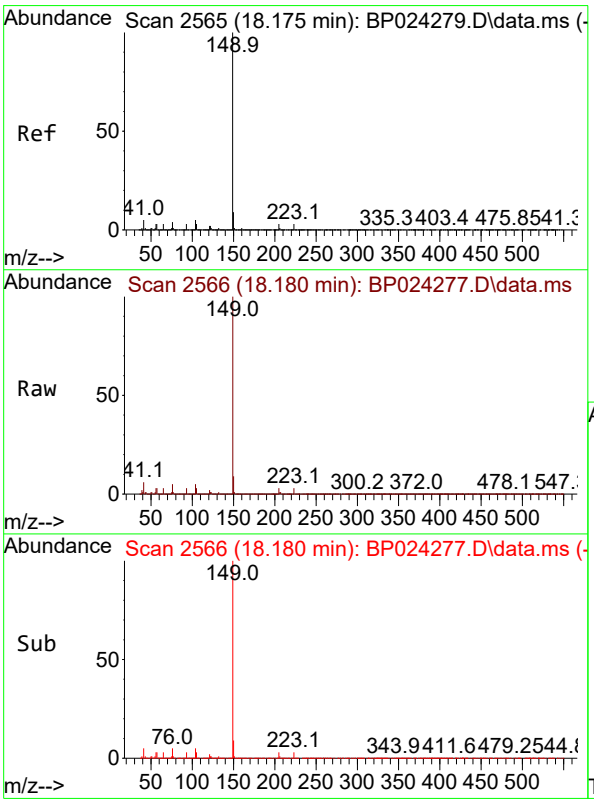
#73
Carbazole
Concen: 9.721 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 654205

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.5	10.6	16.0

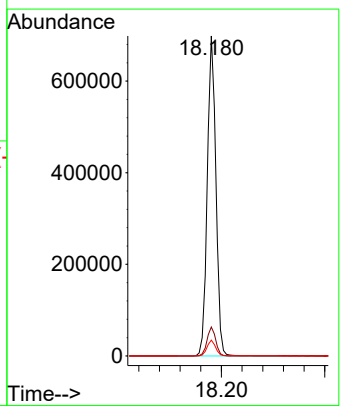


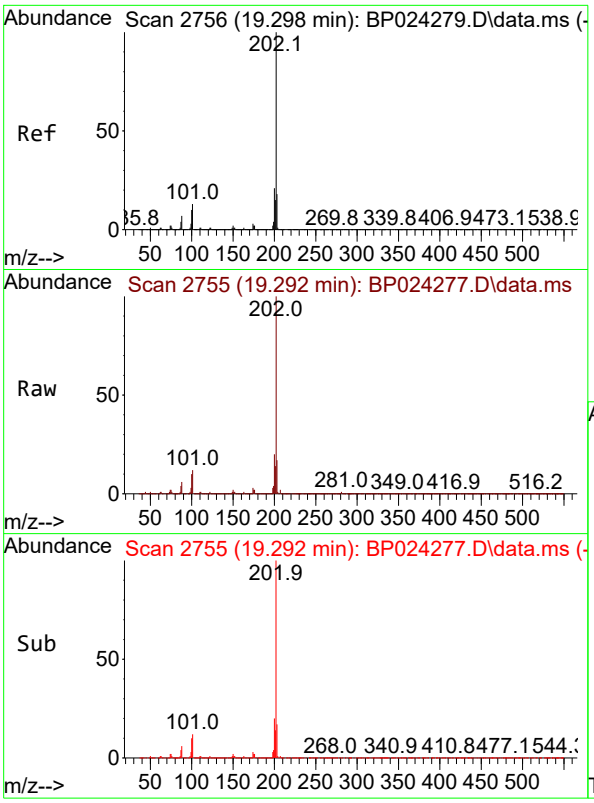


#74
Di-n-butylphthalate
Concen: 9.616 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 806280

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9



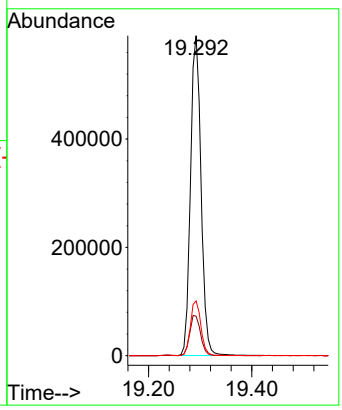


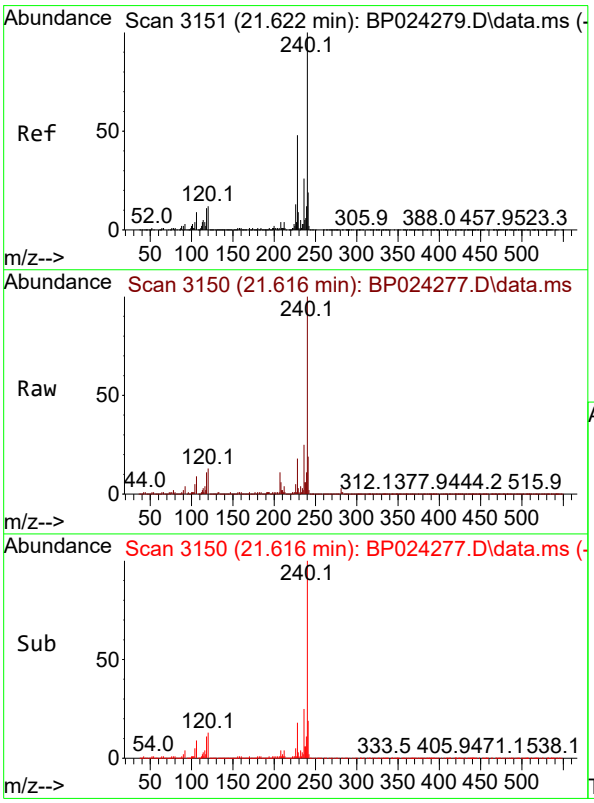
#75
Fluoranthene
Concen: 9.791 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 835153

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.1	0.0	37.7

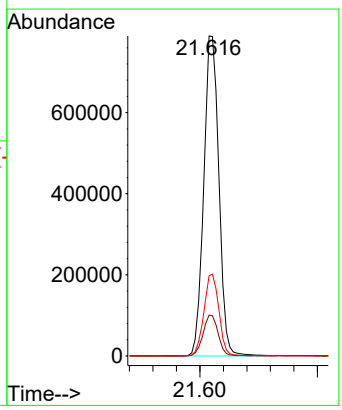


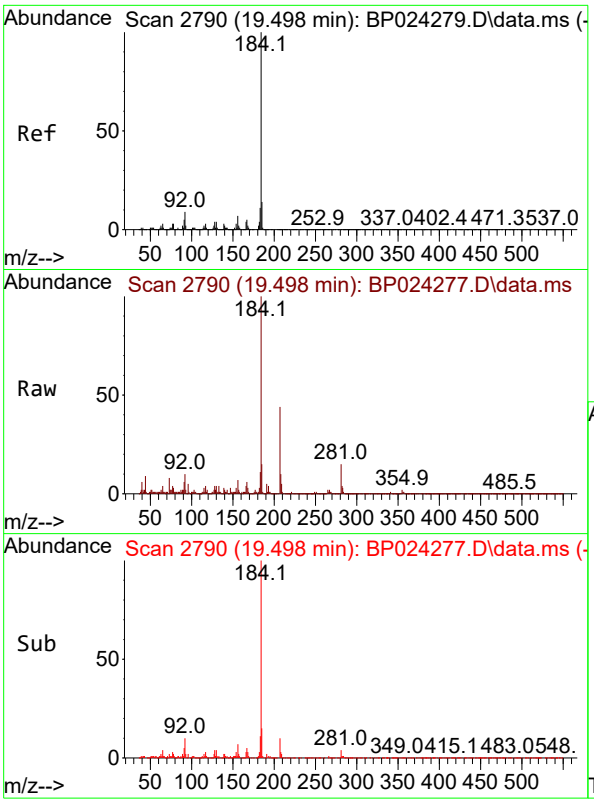


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:240 Resp: 1408913

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.0	20.9	31.3



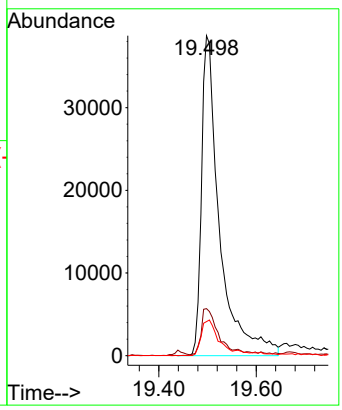


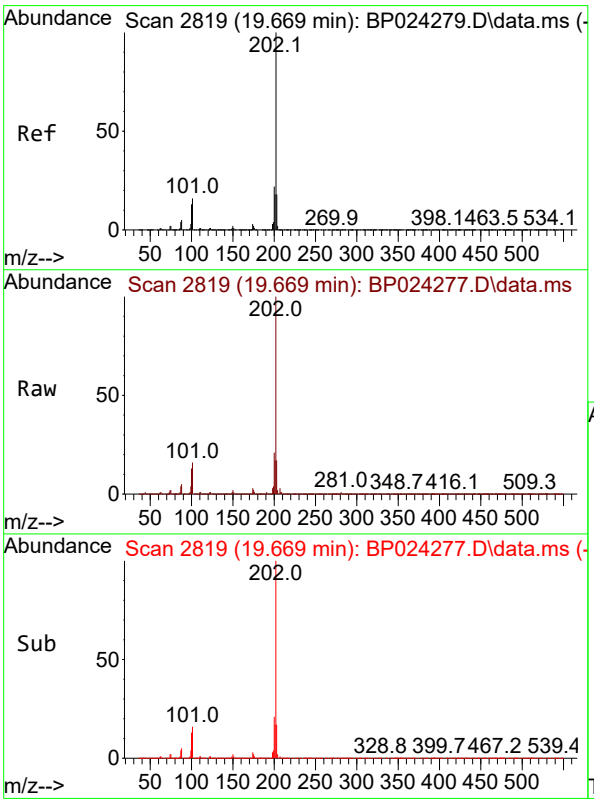
#77
Benzidine
Concen: 5.730 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 99659

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	10.6	9.2	13.8

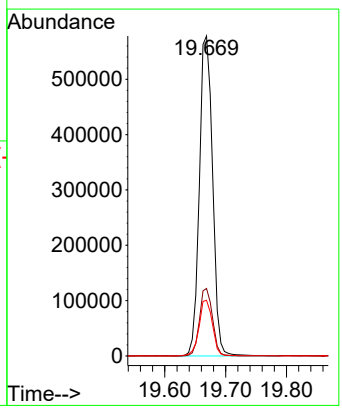


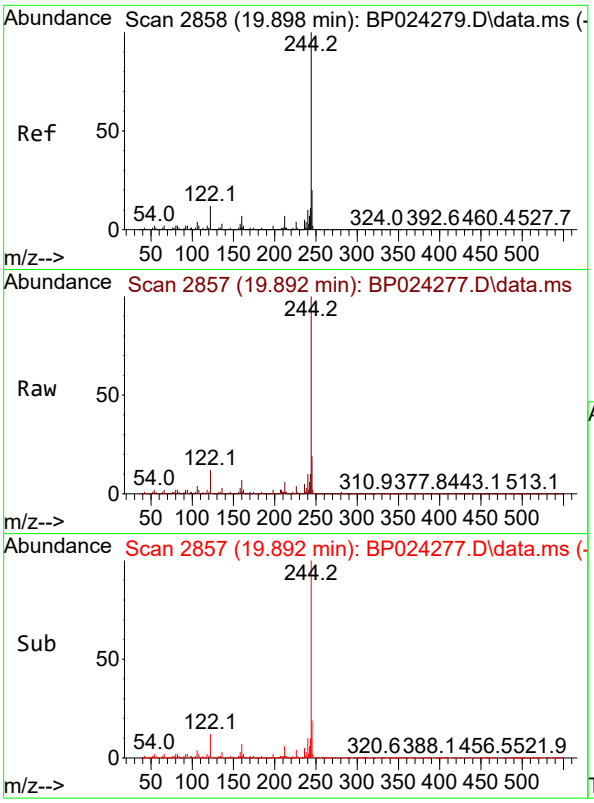


#78
Pyrene
Concen: 9.659 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:202 Resp: 870767

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.4	21.6



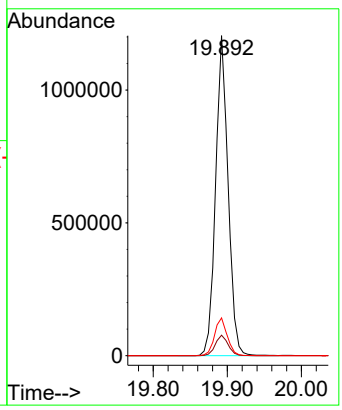


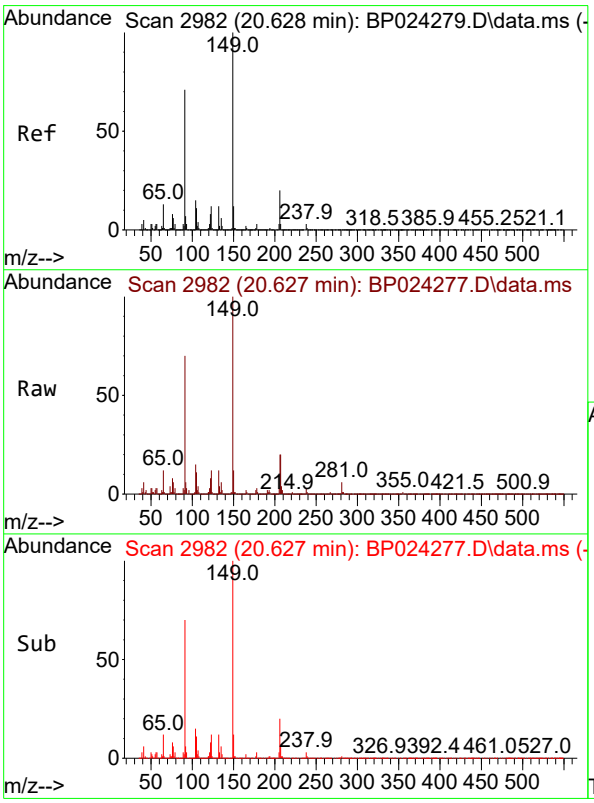
#79
Terphenyl-d14
Concen: 19.888 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1405643

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.8	9.4	14.0

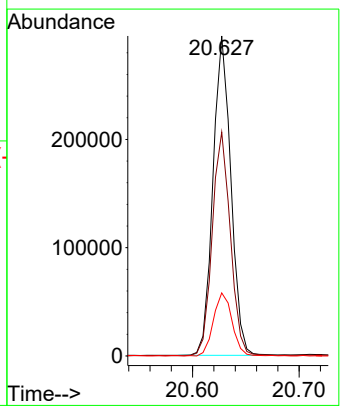


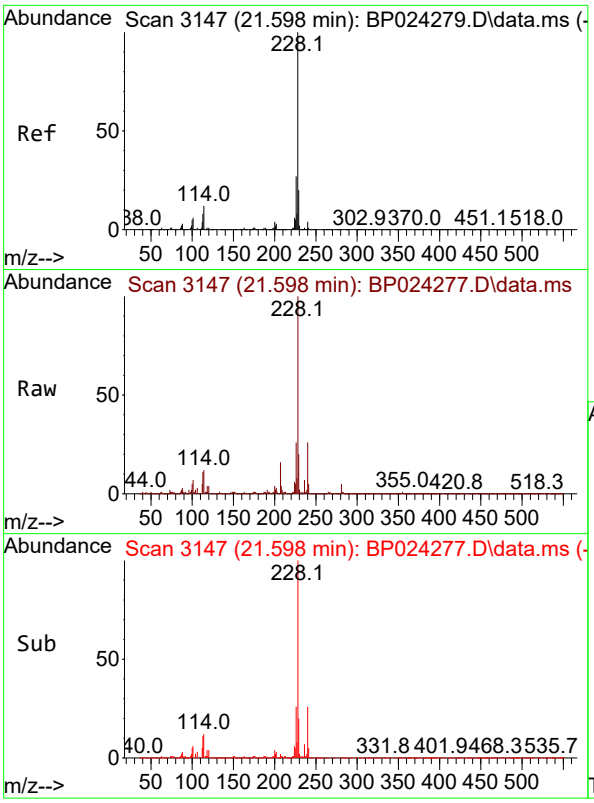


#80
Butylbenzylphthalate
Concen: 9.043 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 343670

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	19.7	16.3	24.5



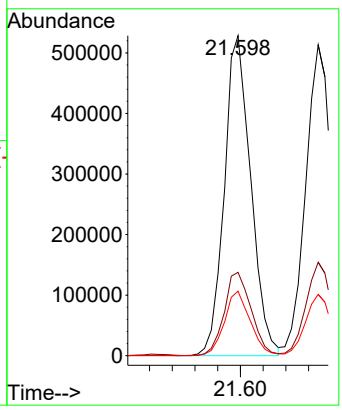


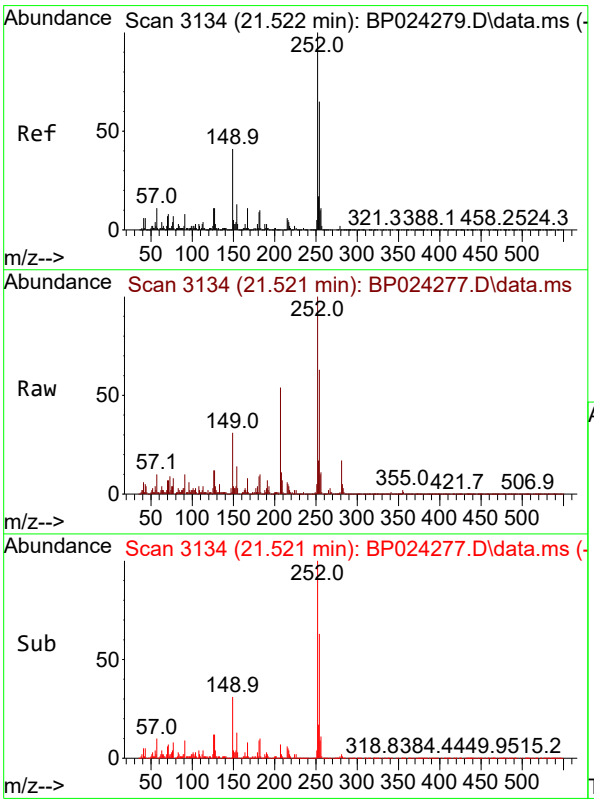
#81
Benzo(a)anthracene
Concen: 9.734 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 854983

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	20.2	15.9	23.9

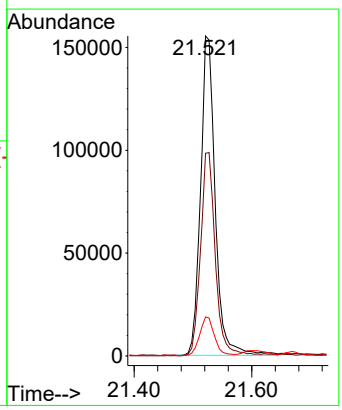


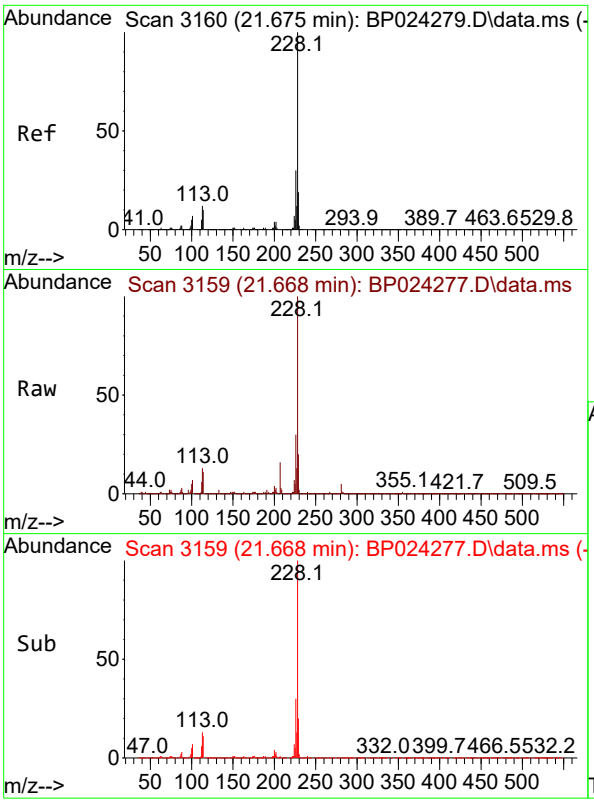


#82
3,3'-Dichlorobenzidine
Concen: 8.857 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 269772

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	12.2	8.8	13.2



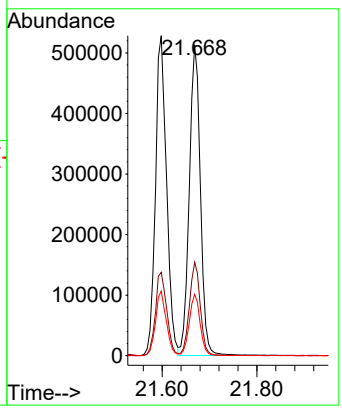


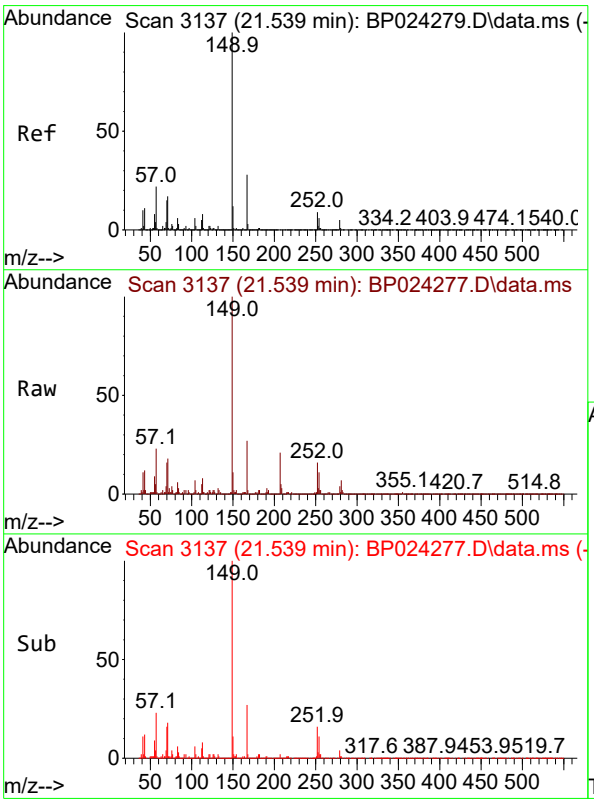
#83
Chrysene
Concen: 9.887 ng
RT: 21.668 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 832263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.7	15.6	23.4

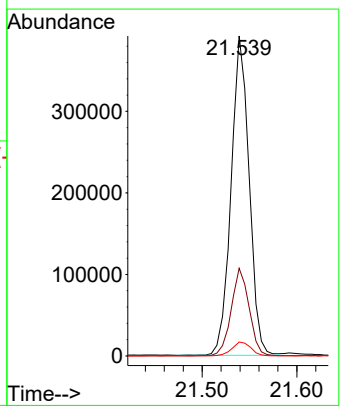


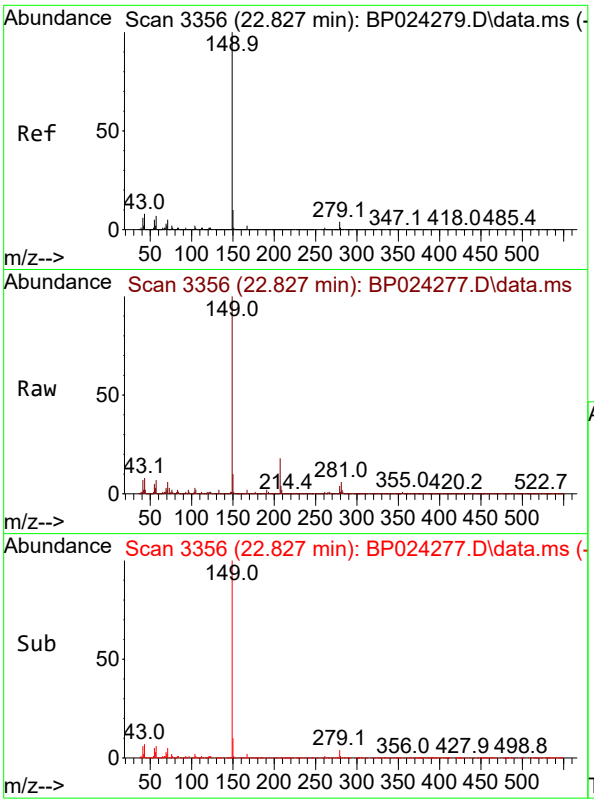


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.253 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 517894

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	4.4	4.0	6.0



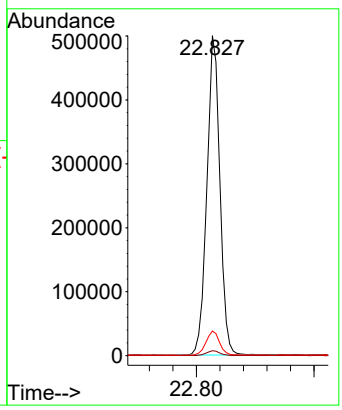


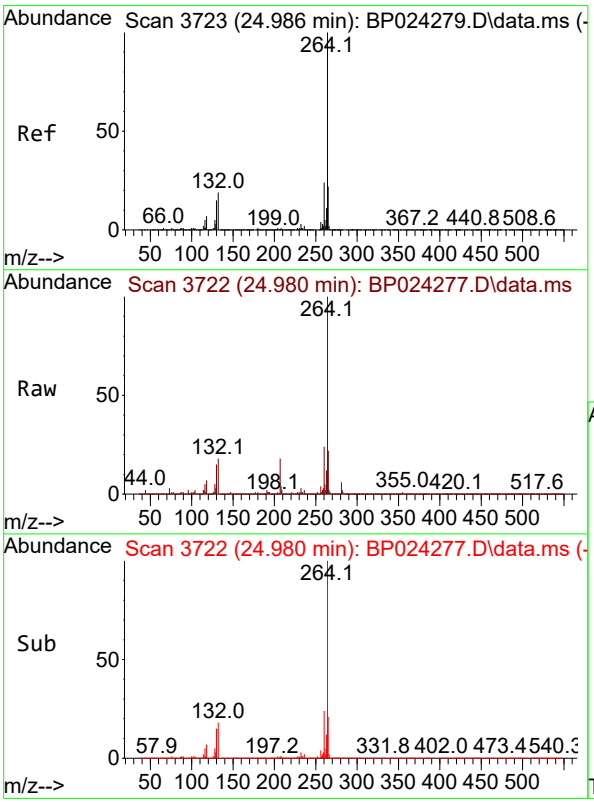
#85
Di-n-octyl phthalate
Concen: 8.584 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 769654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

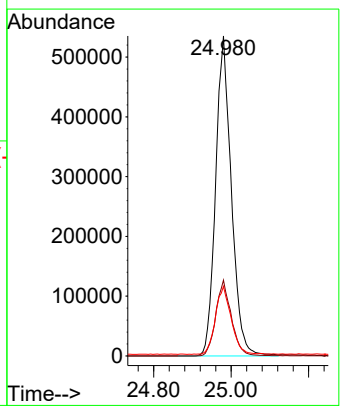


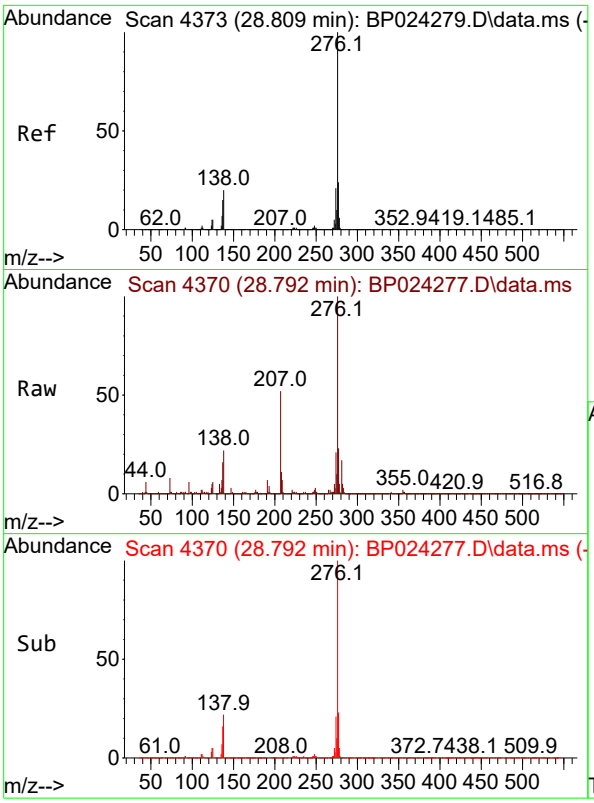


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:264 Resp: 1508235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.8	26.6



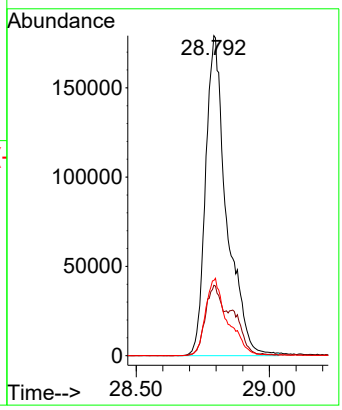


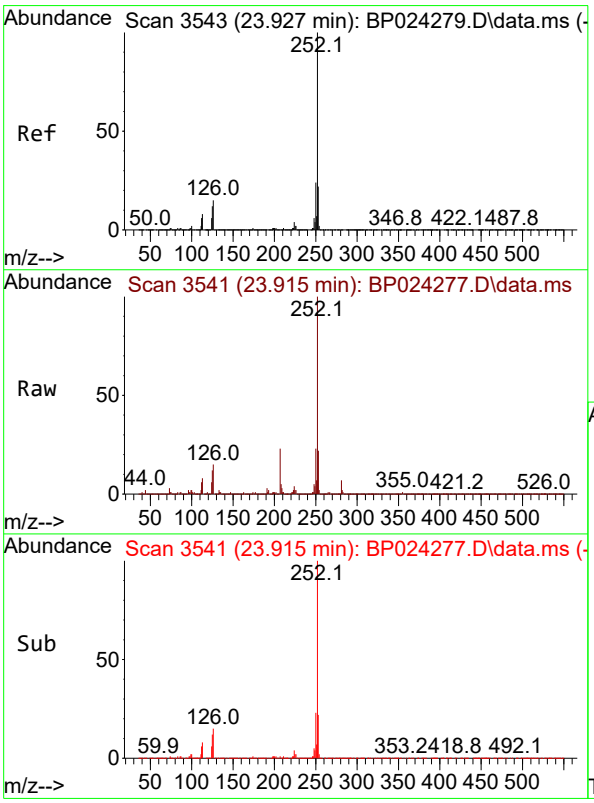
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 983323

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	25.4	20.2	30.2

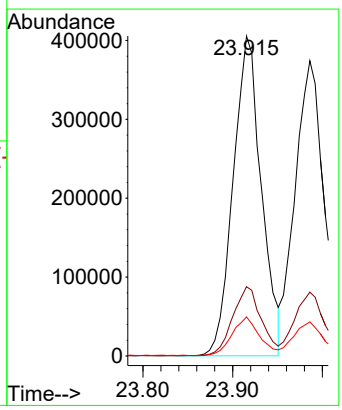


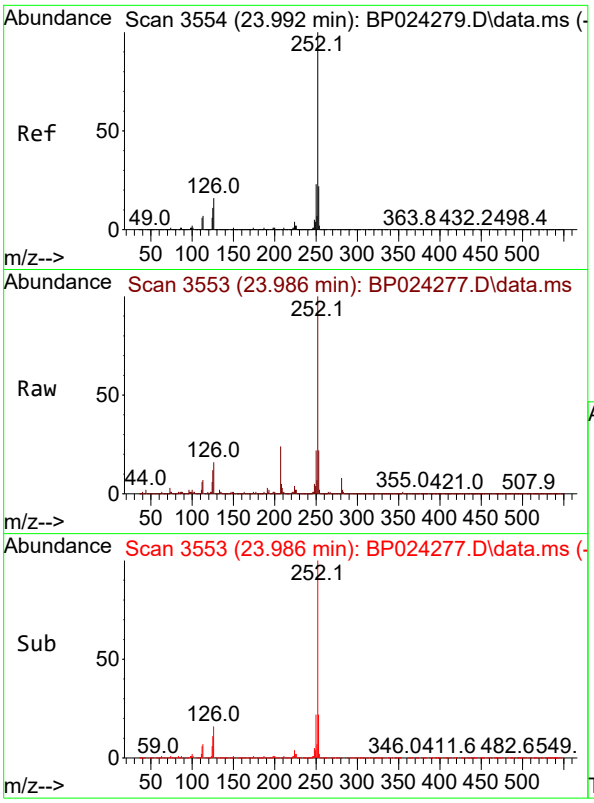


#88
Benzo(b)fluoranthene
Concen: 9.810 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 885212

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	12.2	9.4	14.0



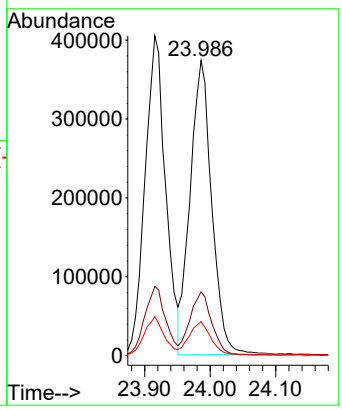


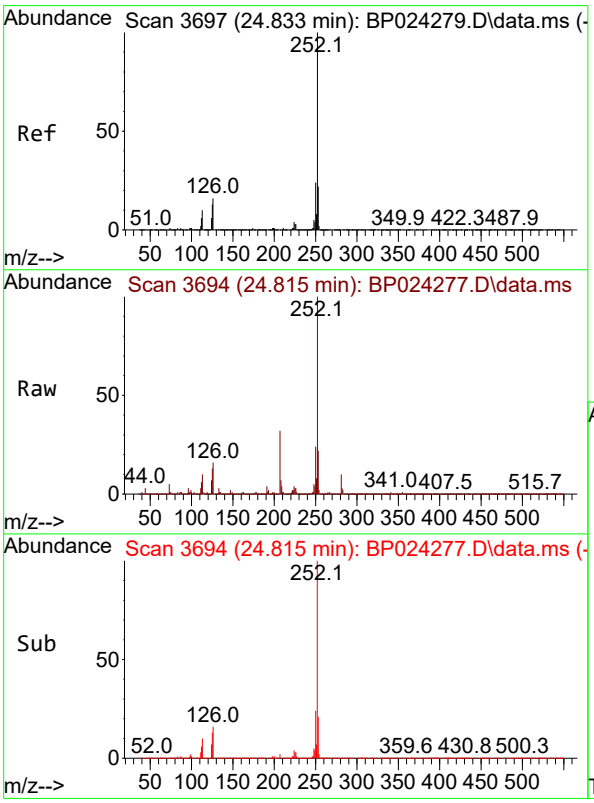
#89
Benzo(k)fluoranthene
Concen: 9.735 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 852606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7

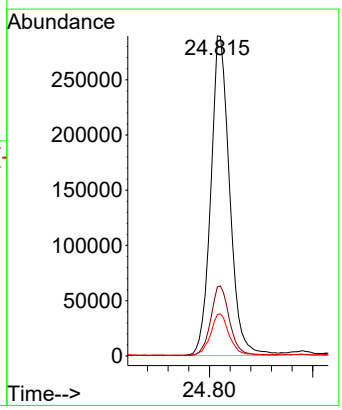


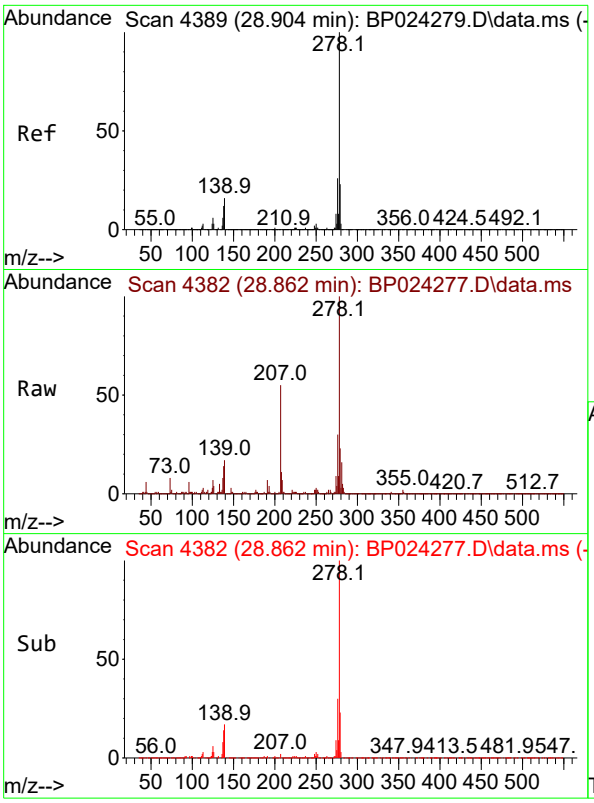


#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.815 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 732209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.0	10.1	15.1



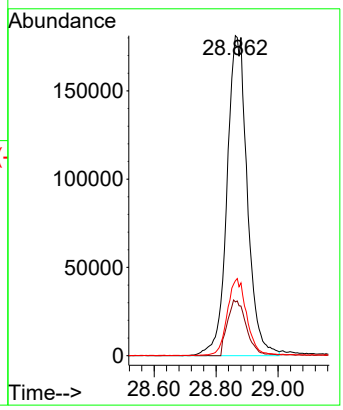


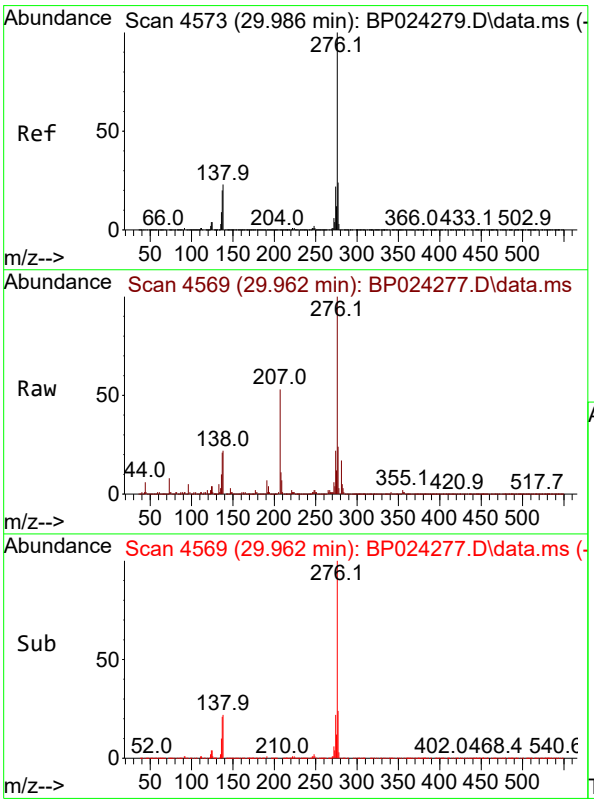
#91
Dibenzo(a,h)anthracene
Concen: 9.517 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 821160

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.4	18.5	27.7

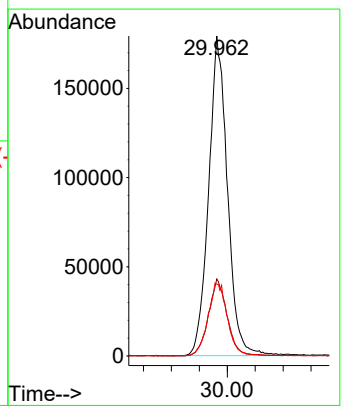




#92
Benzo(g,h,i)perylene
Concen: 9.530 ng
RT: 29.962 min Scan# 4569
Delta R.T. -0.024 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:276 Resp: 836993

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	244213m	19.731	ng	
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

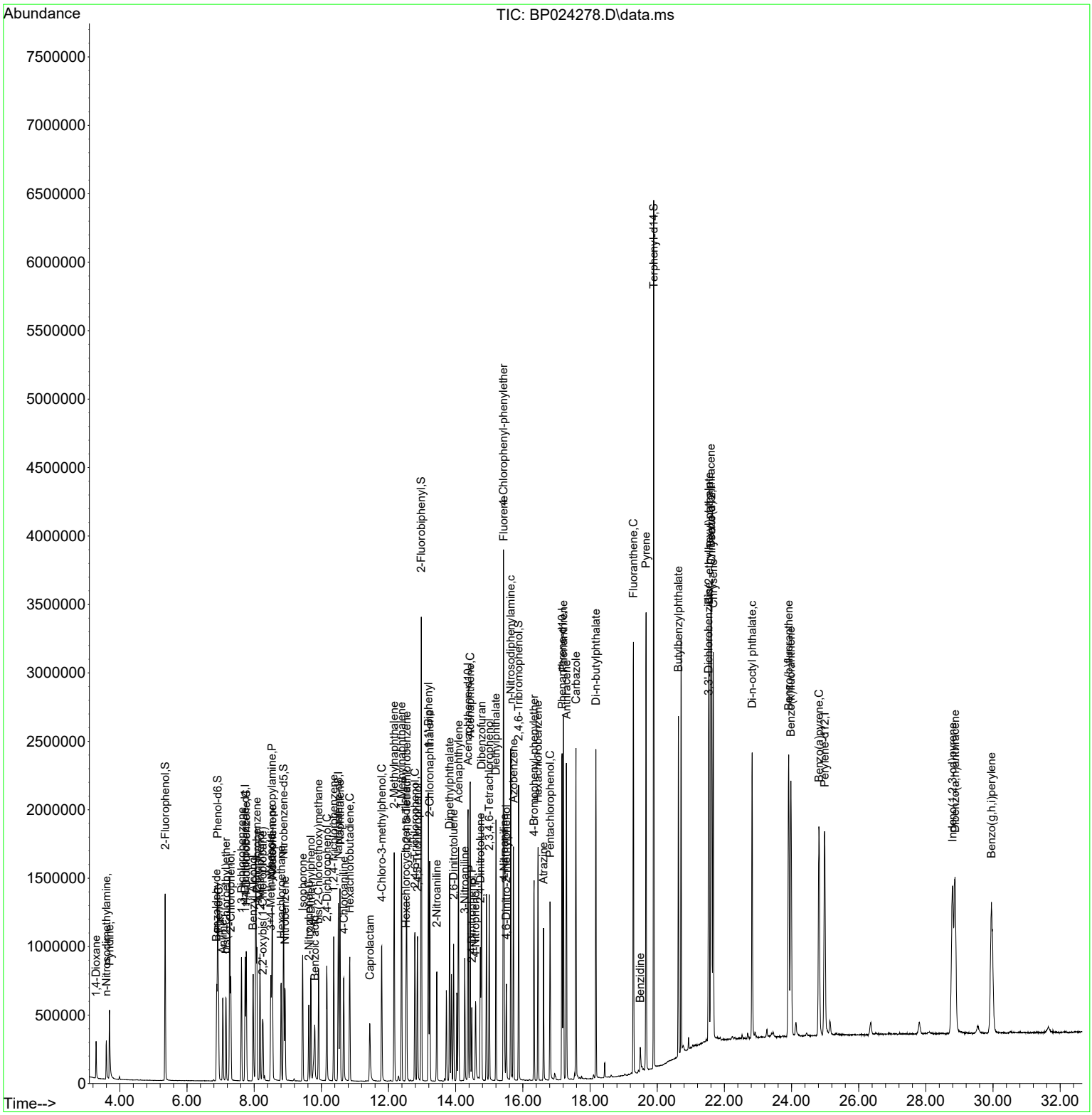
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

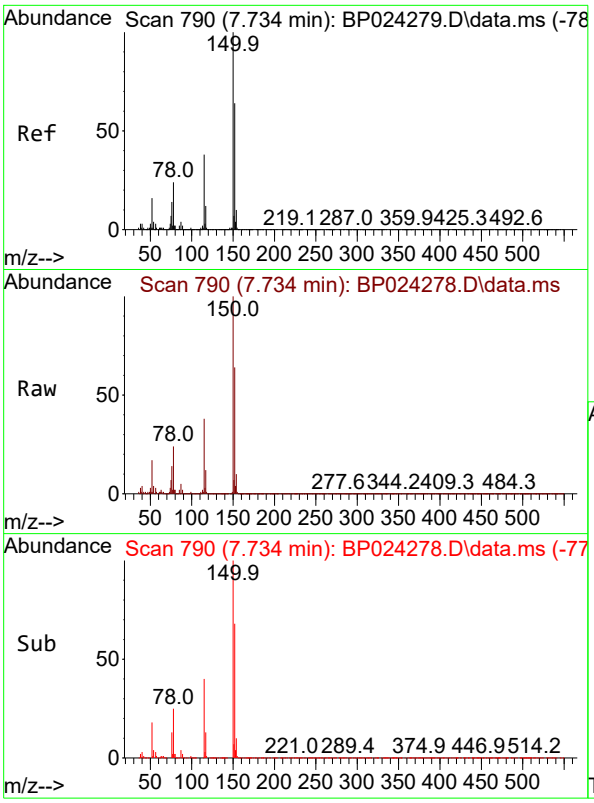
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



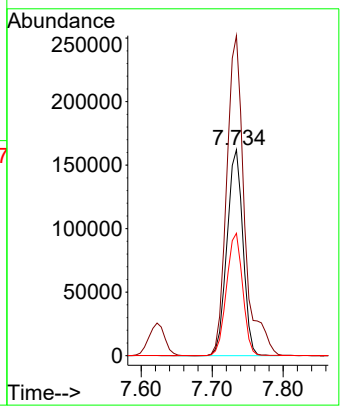


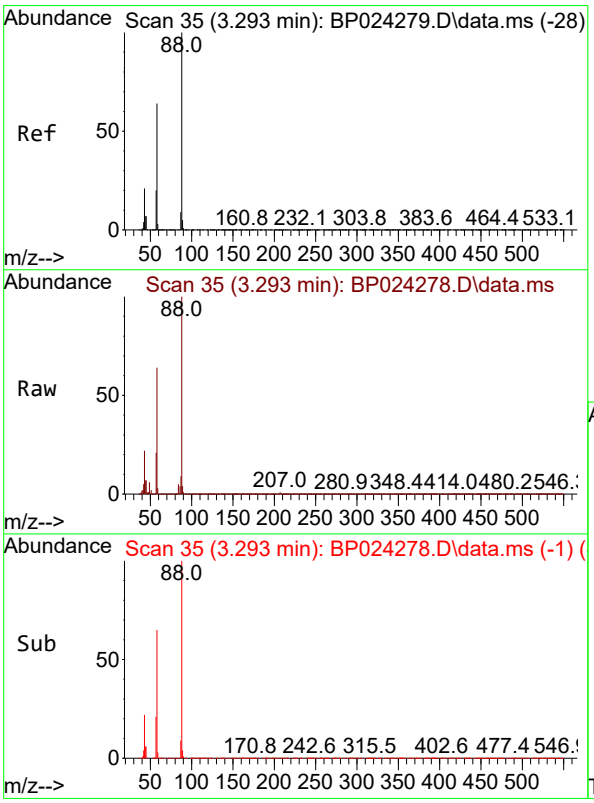
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 251998

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.4	47.7	71.5

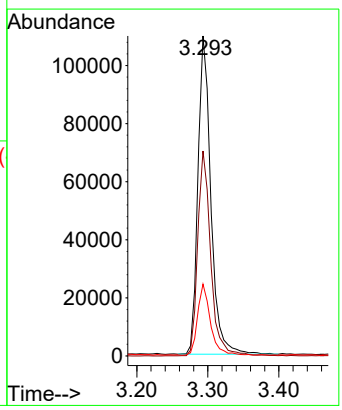


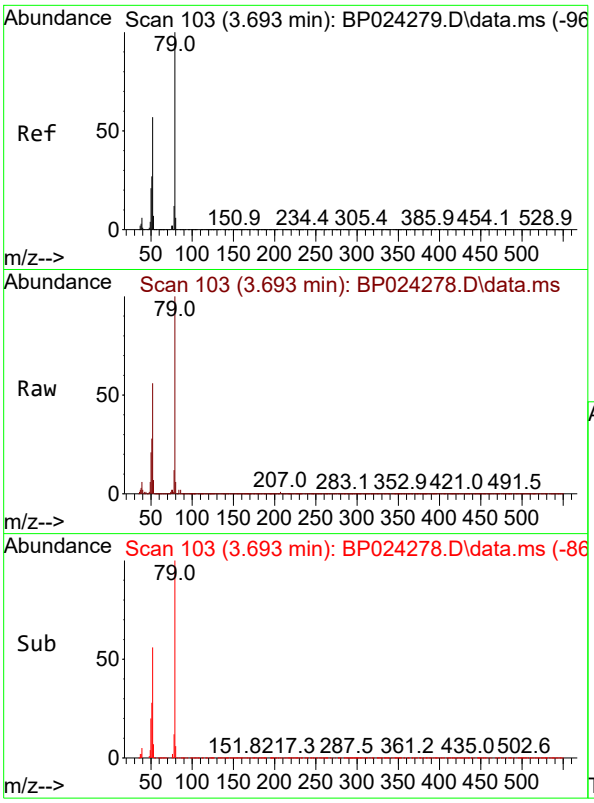


#2
1,4-Dioxane
Concen: 21.358 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 88 Resp: 139222

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	22.2	17.1	25.7



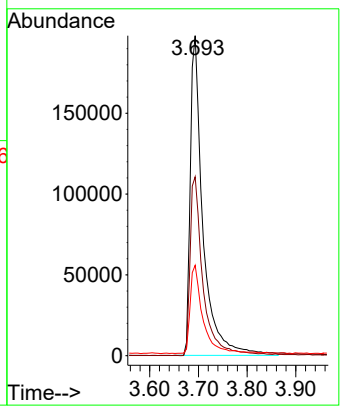


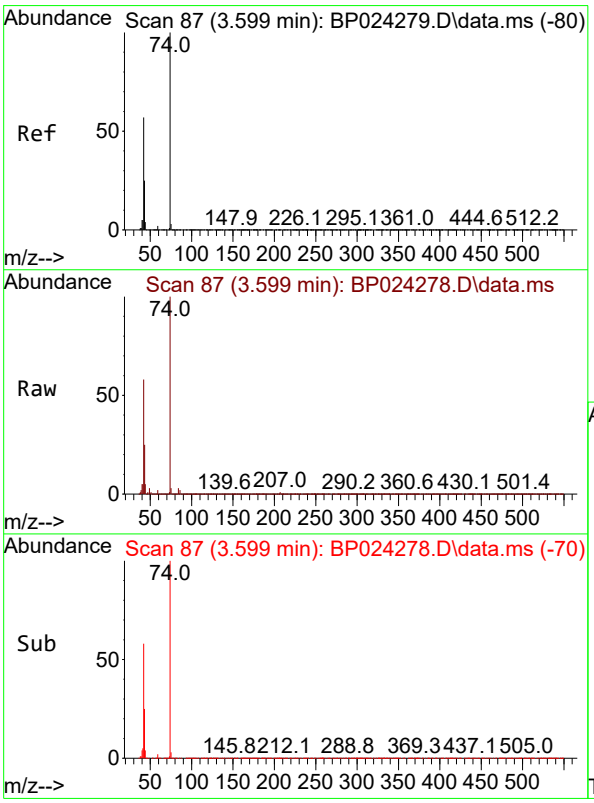
#3
Pyridine
Concen: 21.120 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 358370

Ion	Ratio	Lower	Upper
79	100		
52	55.9	45.4	68.2
51	28.3	22.6	33.8

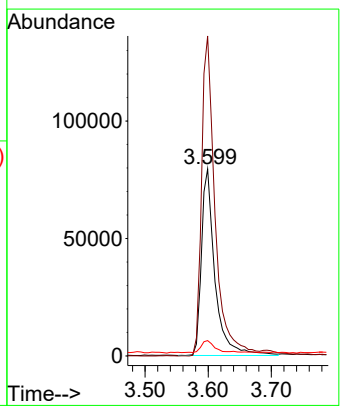


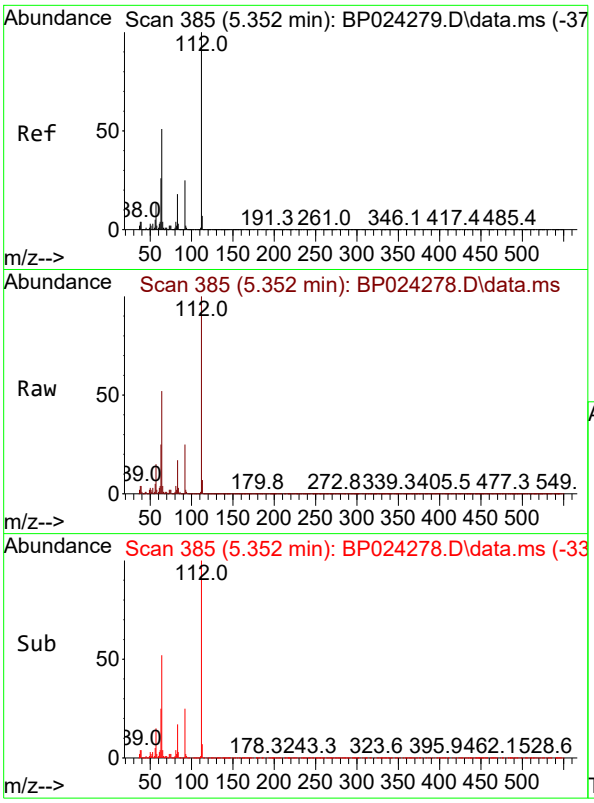


#4
n-Nitrosodimethylamine
Concen: 20.869 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 42 Resp: 118077

Ion	Ratio	Lower	Upper
42	100		
74	171.1	139.5	209.3
44	8.3	5.8	8.8



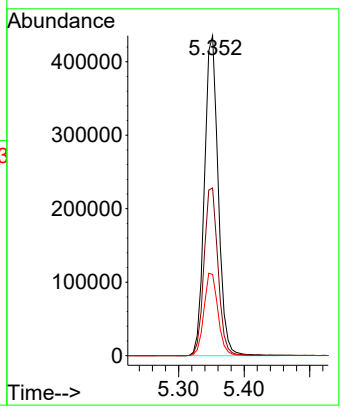


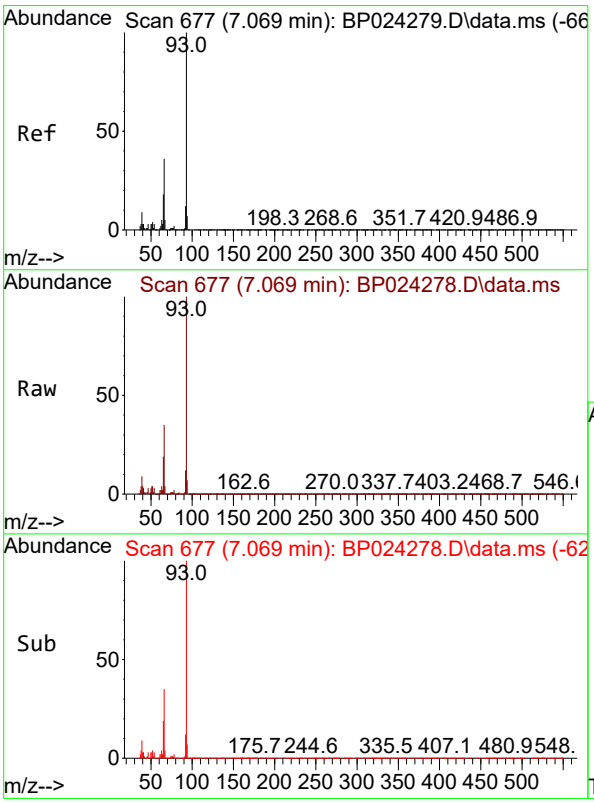
#5
2-Fluorophenol
Concen: 41.668 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 636245

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	25.4	20.6	30.8

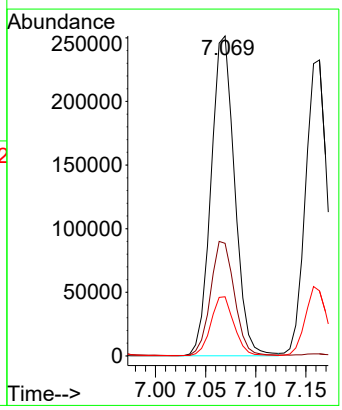


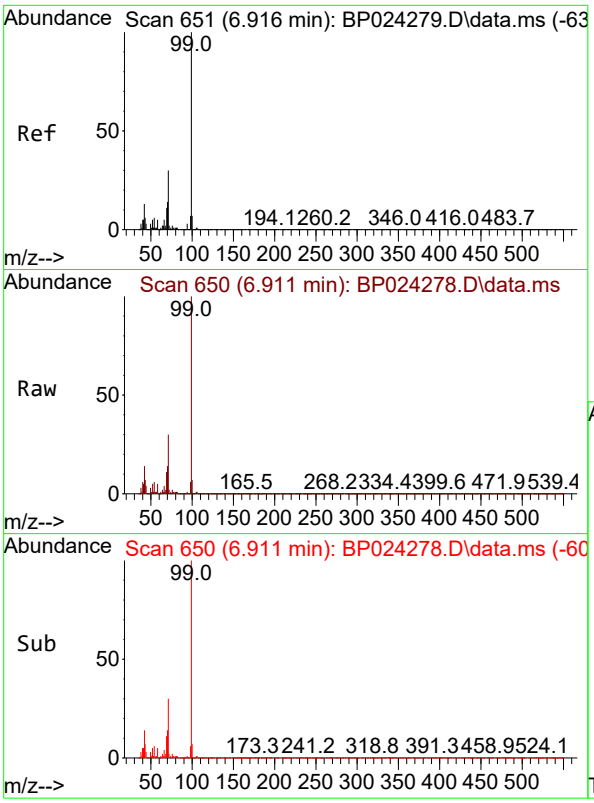


#6
Aniline
Concen: 21.857 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 412168

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.5	14.7	22.1



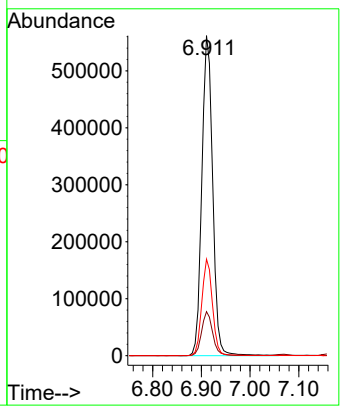


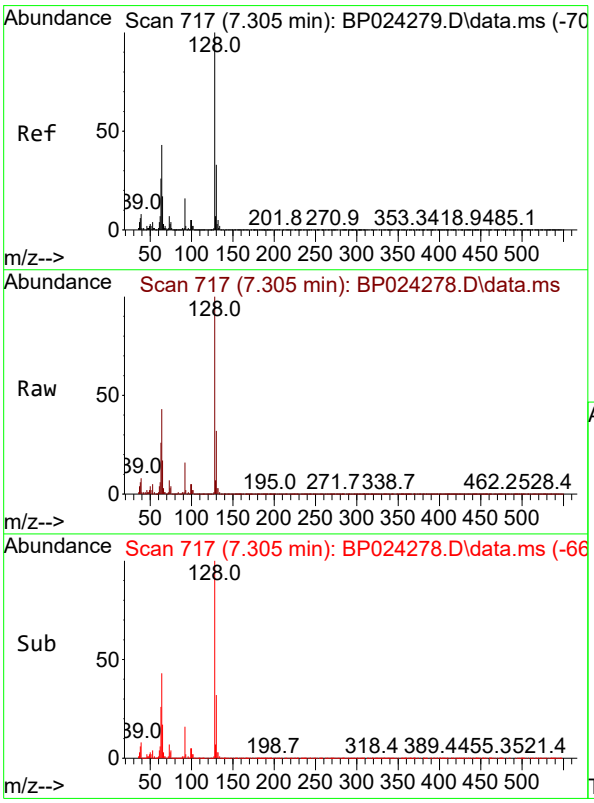
#7
Phenol-d6
Concen: 41.458 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 866004

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.2	23.7	35.5

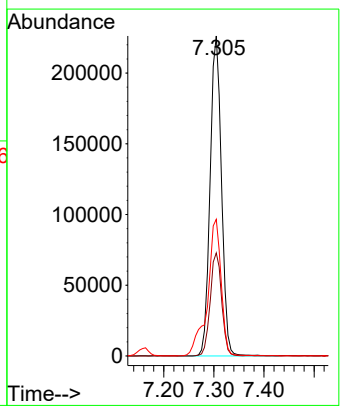


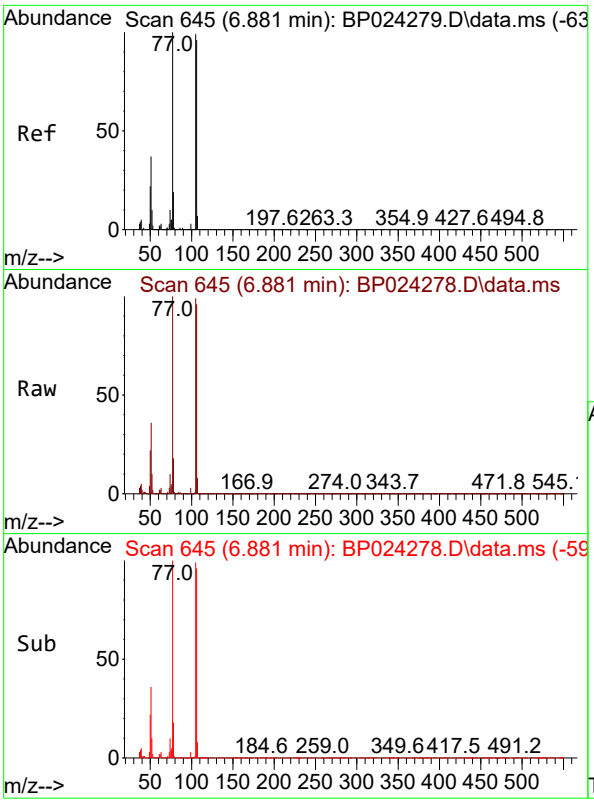


#8
2-Chlorophenol
Concen: 20.852 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.7	22.7	62.7



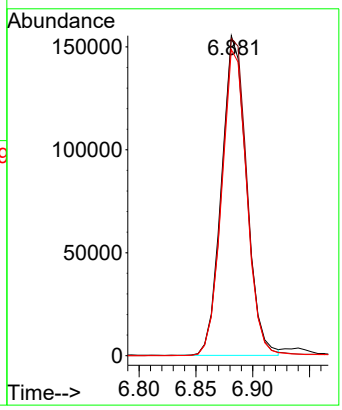


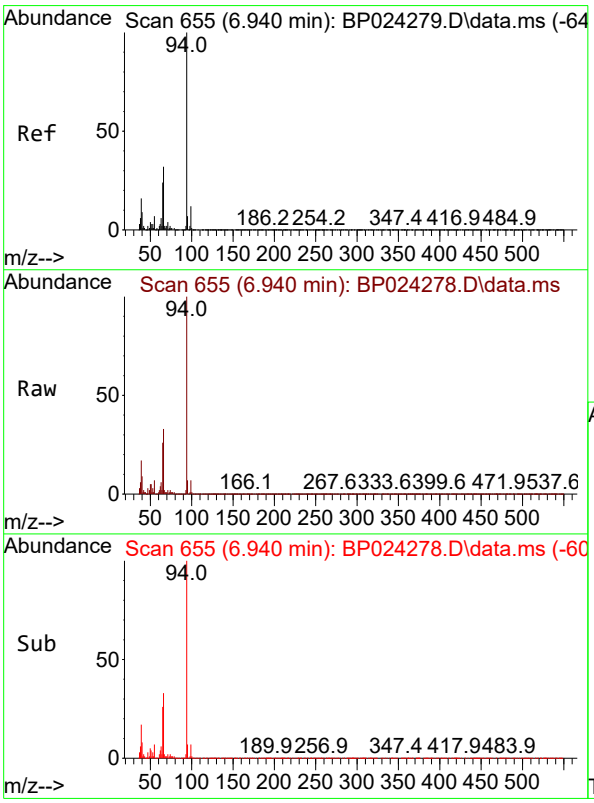
#9
Benzaldehyde
Concen: 21.940 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 237371

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.2	119.2
106	95.6	76.2	116.2

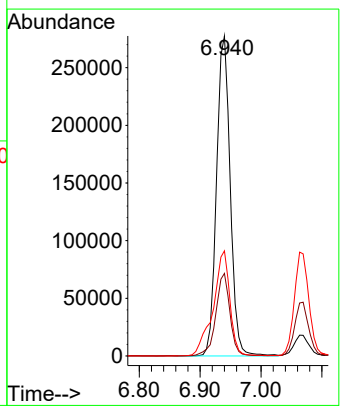


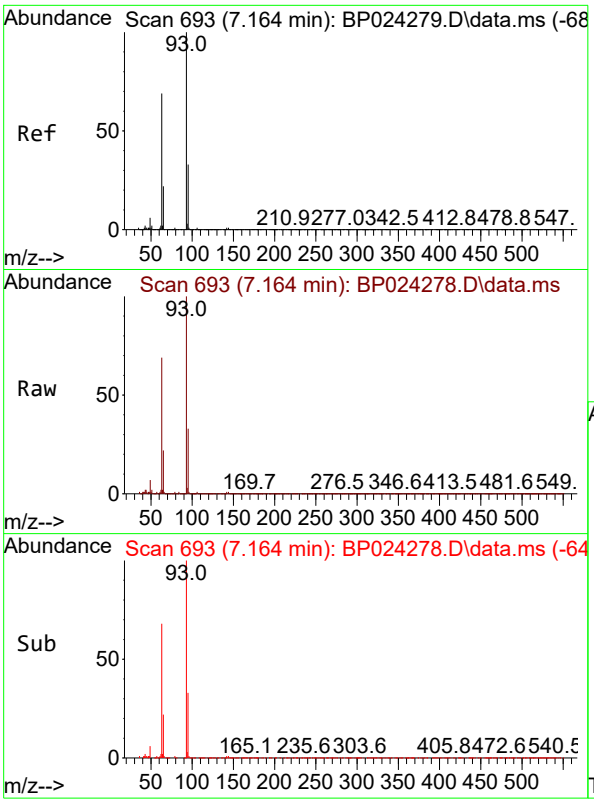


#10
Phenol
Concen: 20.670 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 94 Resp: 433531

Ion	Ratio	Lower	Upper
94	100		
65	25.8	4.5	44.5
66	32.8	12.4	52.4



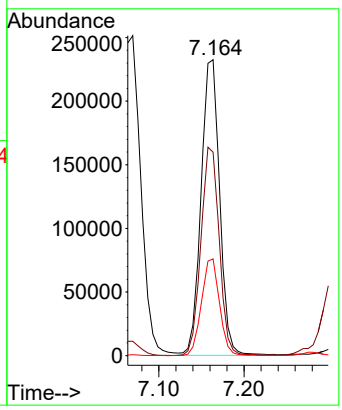


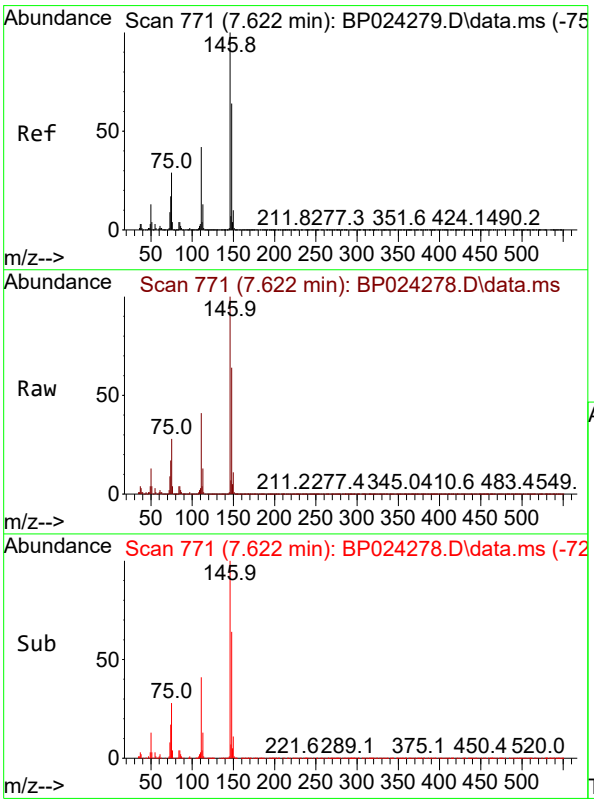
#11
bis(2-Chloroethyl)ether
Concen: 20.800 ng
RT: 7.164 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 352530

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.6	88.6
95	32.7	12.3	52.3

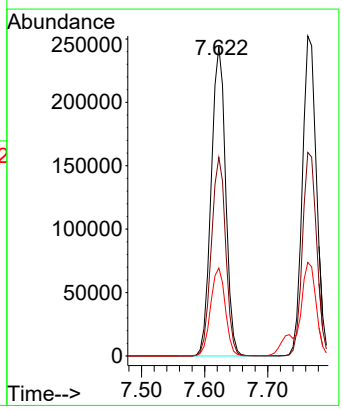


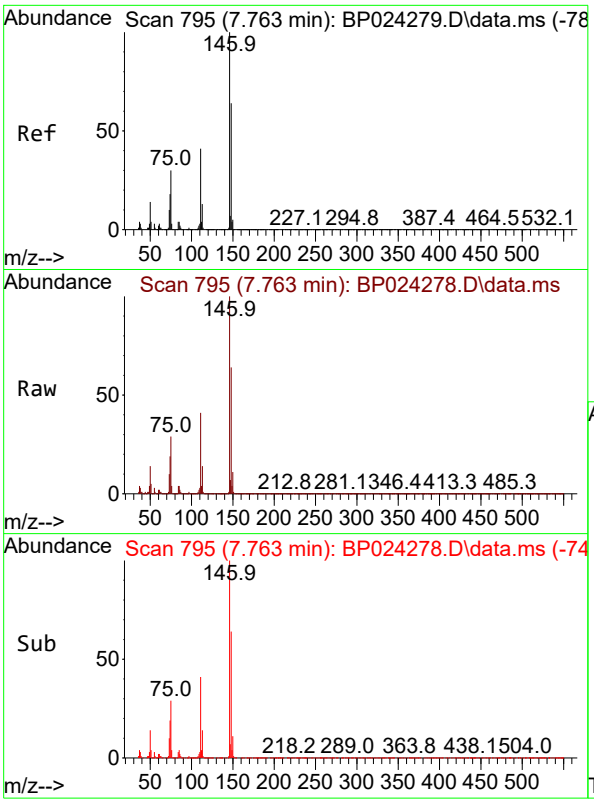


#12
1,3-Dichlorobenzene
Concen: 20.903 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 386470

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.4	22.9	34.3



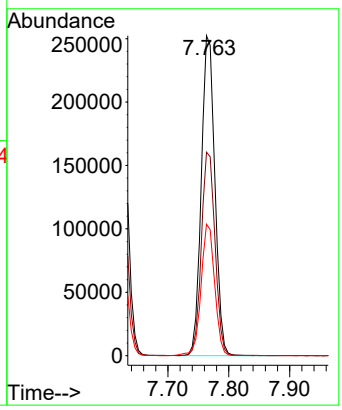


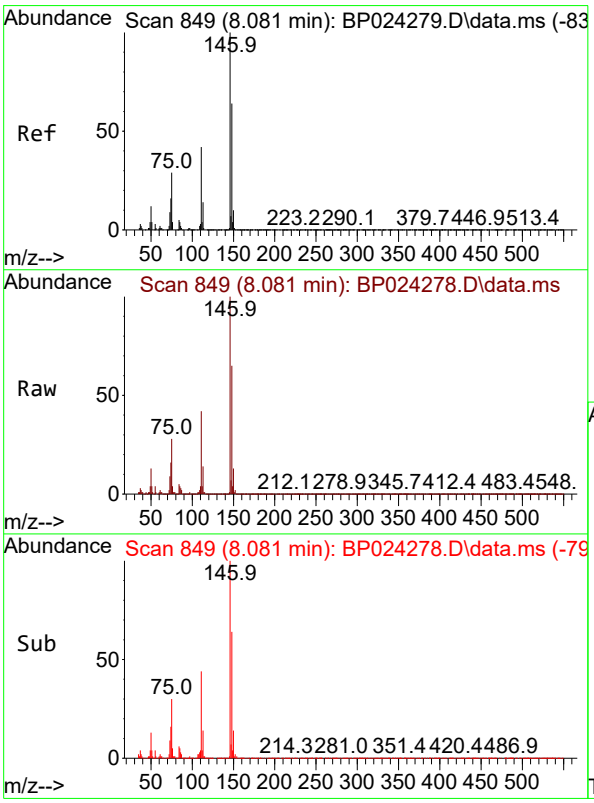
#13
1,4-Dichlorobenzene
Concen: 20.828 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 390483

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	41.1	32.6	48.8

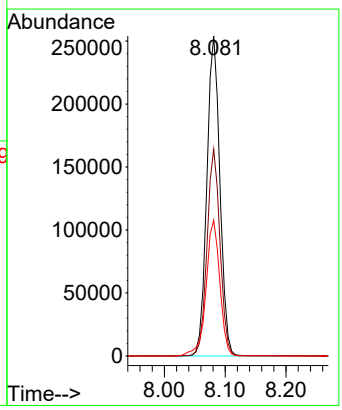


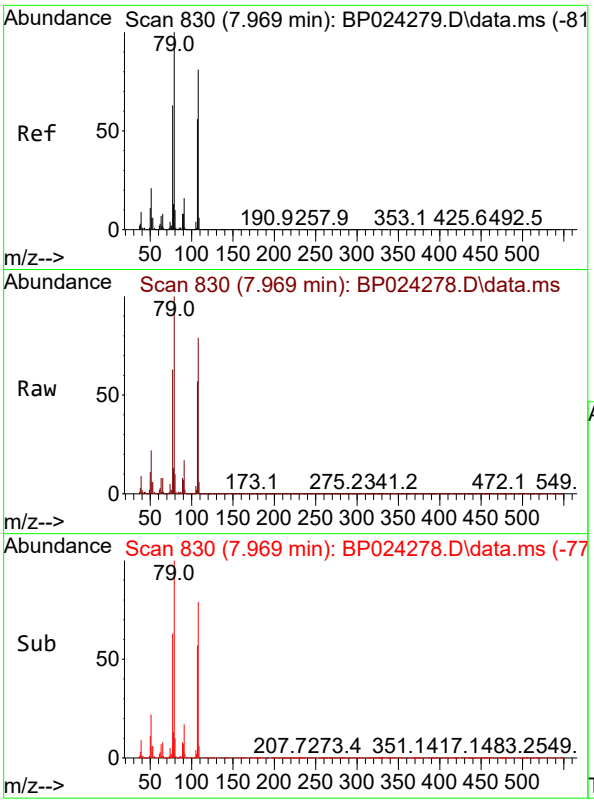


#14
1,2-Dichlorobenzene
Concen: 20.880 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 378518

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	42.3	33.8	50.8



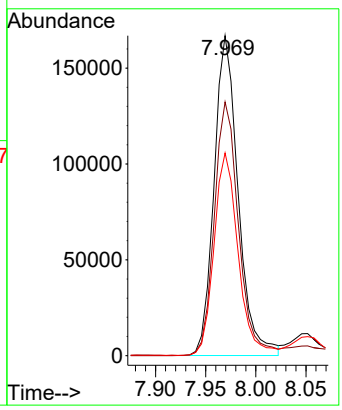


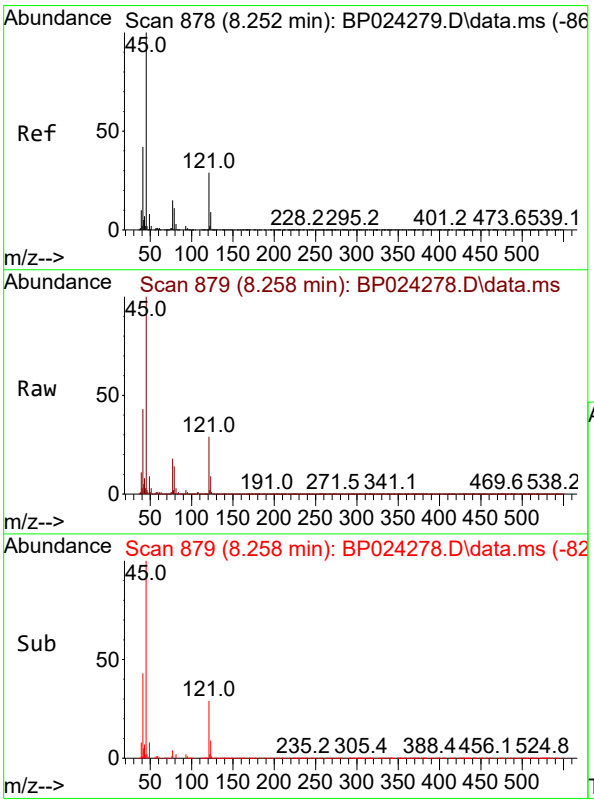
#15
Benzyl Alcohol
Concen: 20.809 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 278608

Ion	Ratio	Lower	Upper
79	100		
108	79.3	65.1	97.7
77	63.4	50.7	76.1

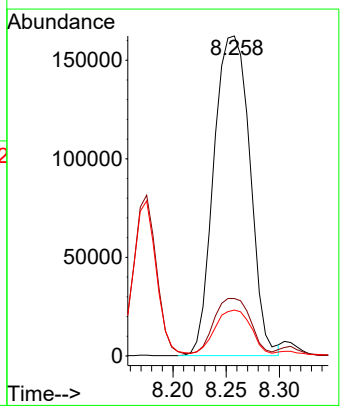


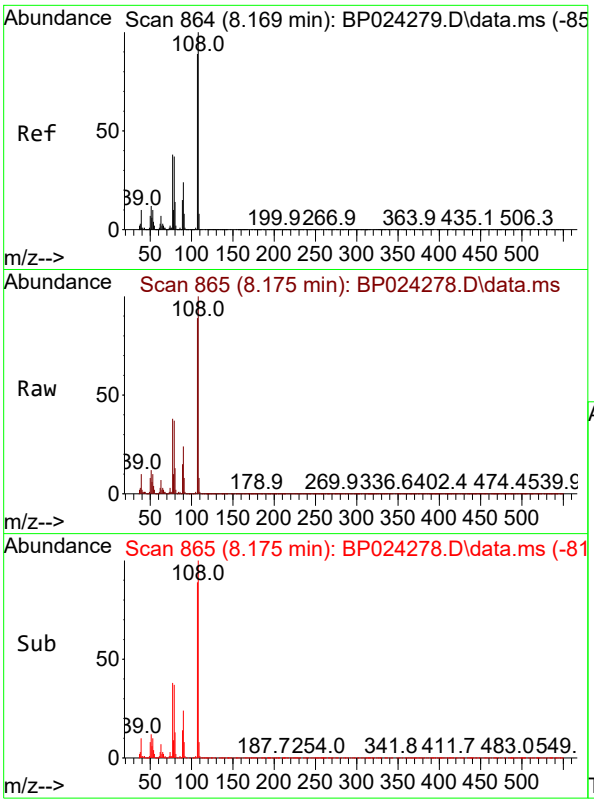


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.734 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 45 Resp: 382308

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.4	0.0	33.5



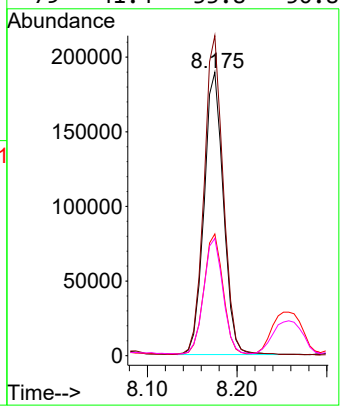


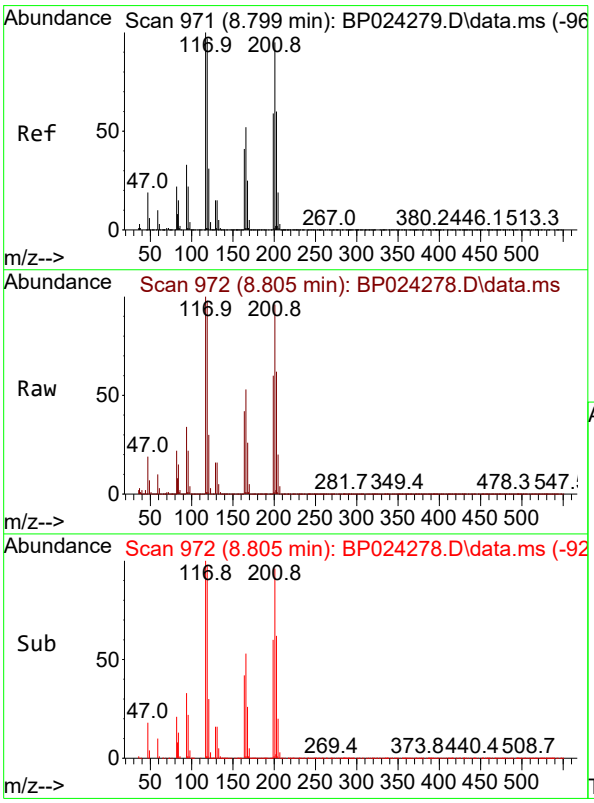
#17
2-Methylphenol
Concen: 20.942 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 283057

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.8	134.6
77	43.0	34.2	51.4
79	41.4	33.8	50.8

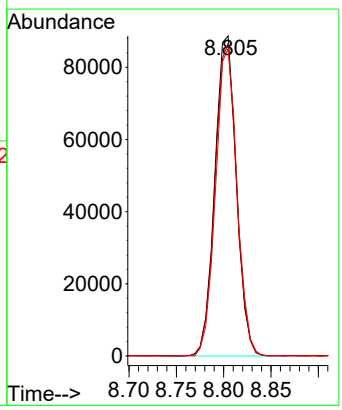


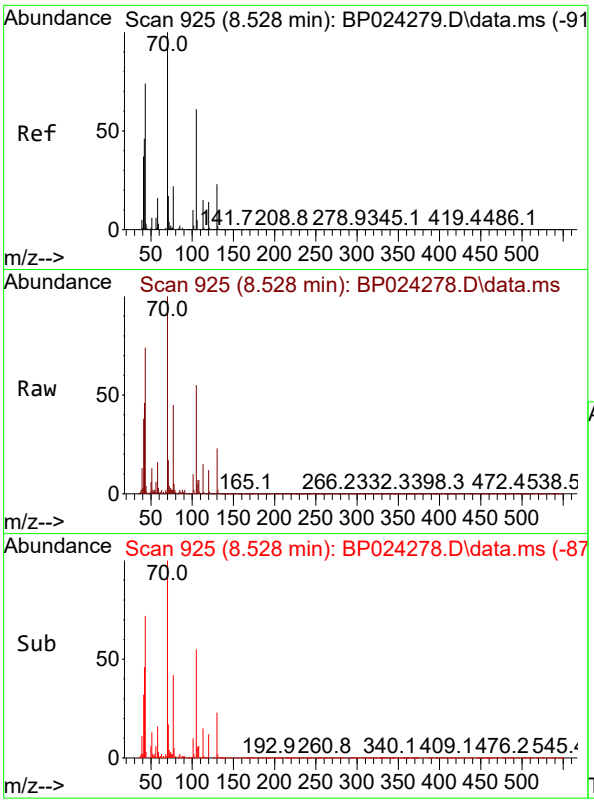


#18
Hexachloroethane
Concen: 20.773 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:117 Resp: 140558

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
201	96.0	75.9	113.9



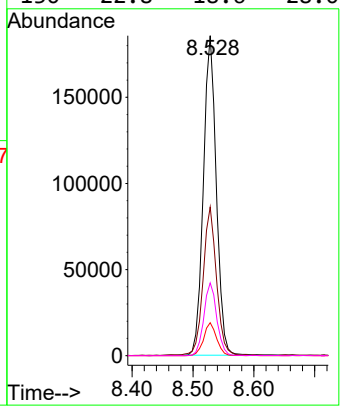


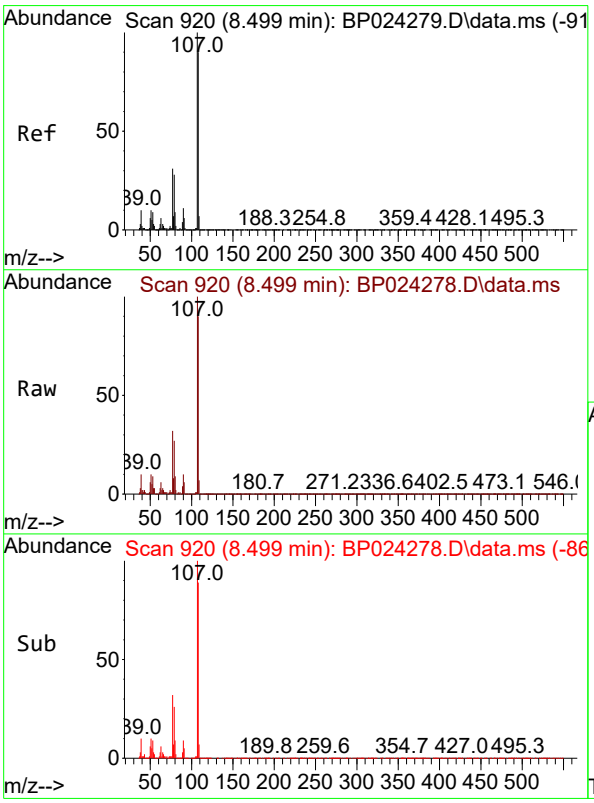
#19
n-Nitroso-di-n-propylamine
Concen: 21.127 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 274118

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.3	55.9
101	10.3	8.2	12.4
130	22.8	18.6	28.0

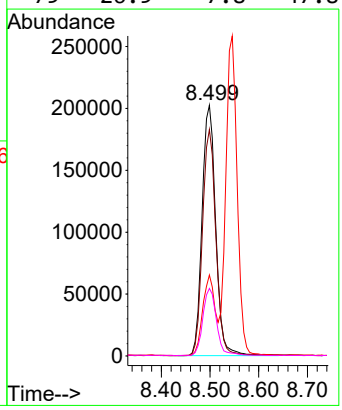


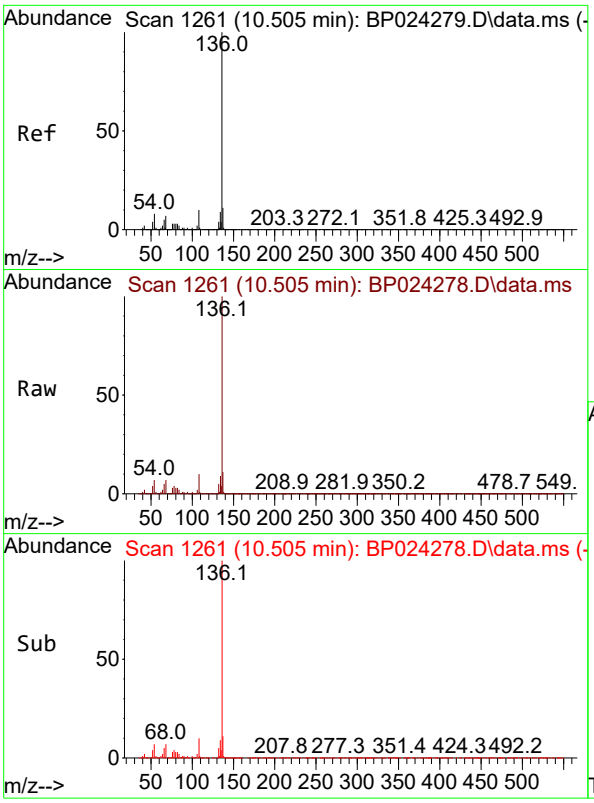


#20
3+4-Methylphenols
Concen: 20.999 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 393131

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.8	109.8
77	32.3	11.5	51.5
79	26.9	7.8	47.8



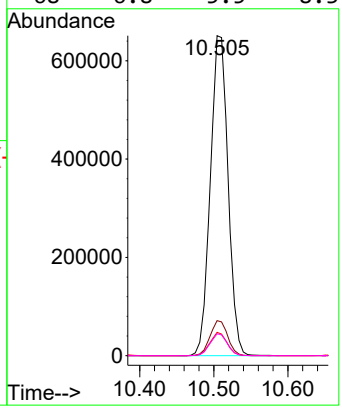


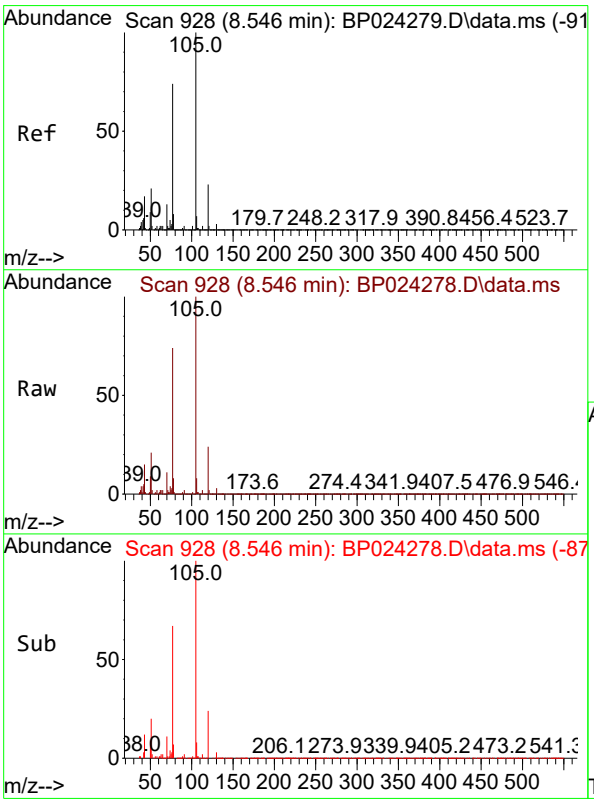
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1081087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

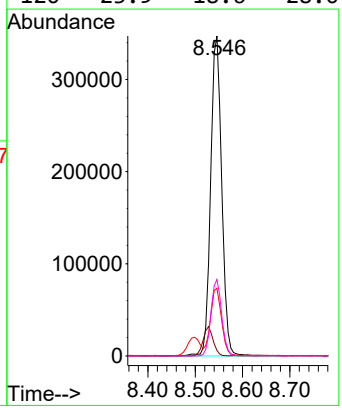


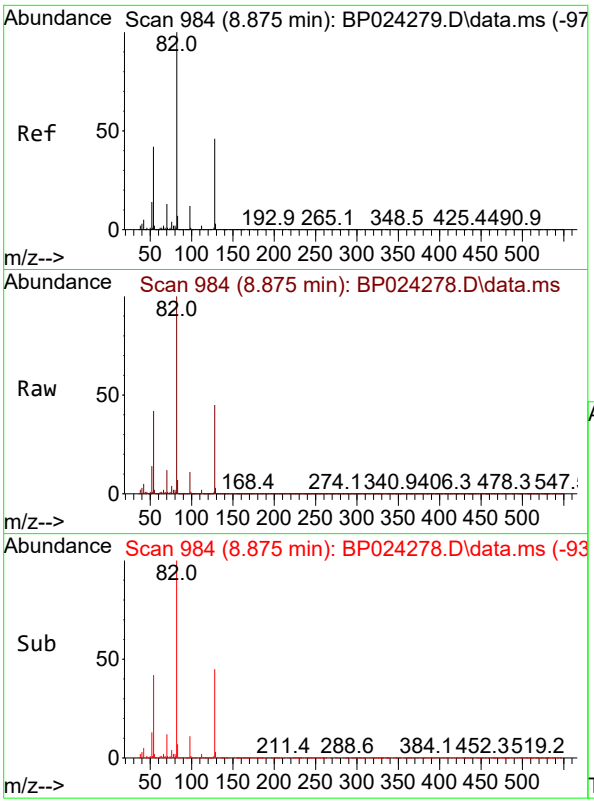


#22
Acetophenone
Concen: 20.991 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:105 Resp: 563994

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.2	16.9	25.3
120	23.9	18.6	28.0



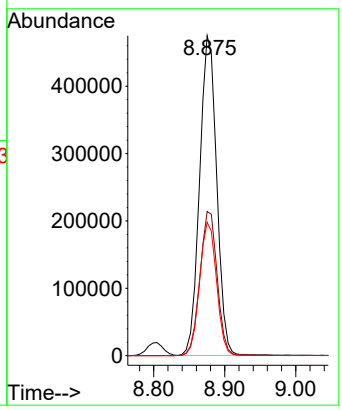


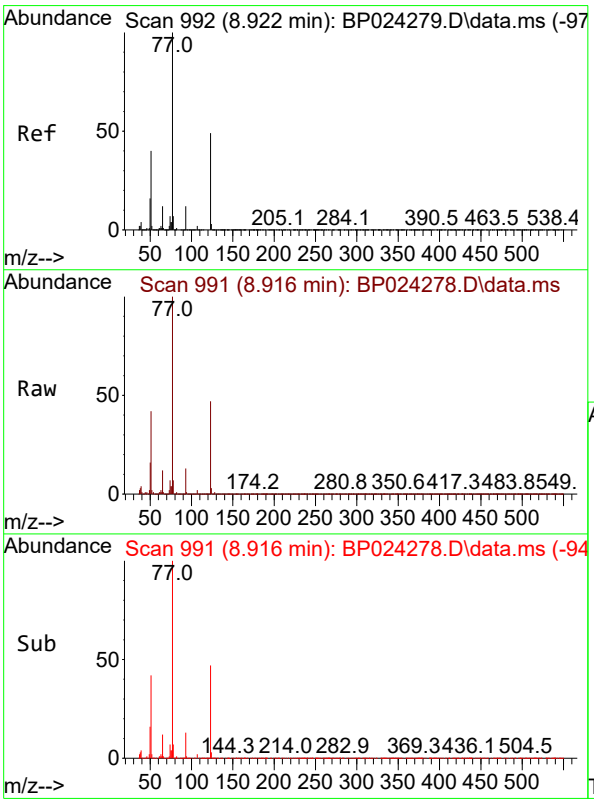
#23
Nitrobenzene-d5
Concen: 41.839 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 794485

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	41.7	33.4	50.2

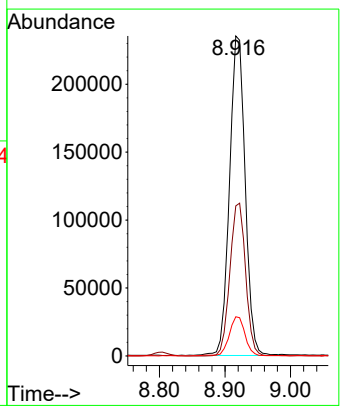


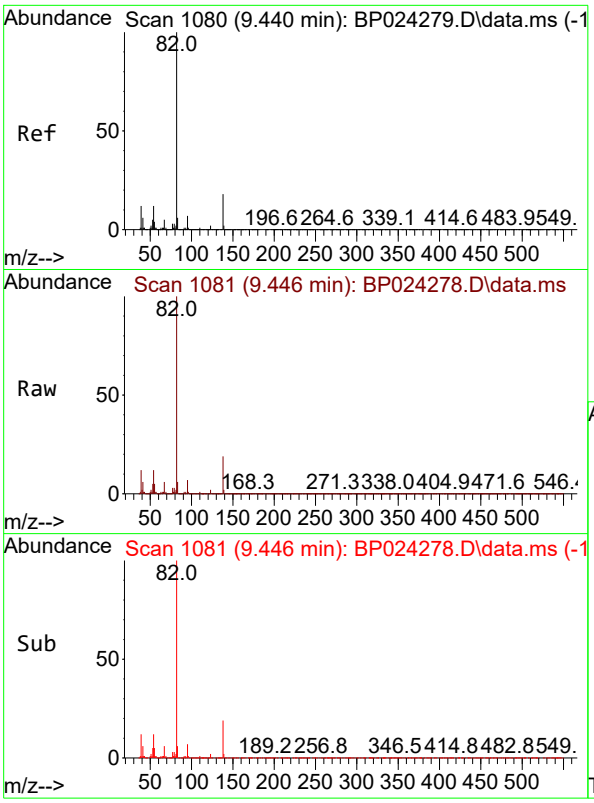


#24
Nitrobenzene
Concen: 20.770 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 77 Resp: 390911

Ion	Ratio	Lower	Upper
77	100		
123	46.9	39.2	58.8
65	12.3	9.8	14.6



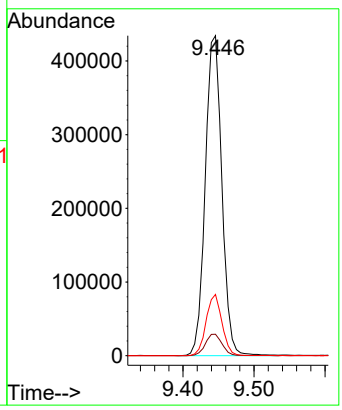


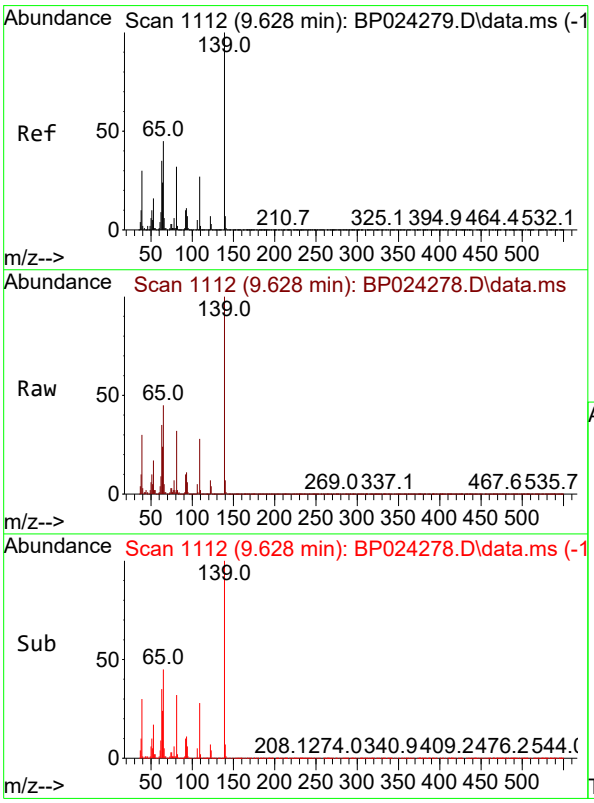
#25
Isophorone
Concen: 20.588 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 705771

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	14.4	21.6

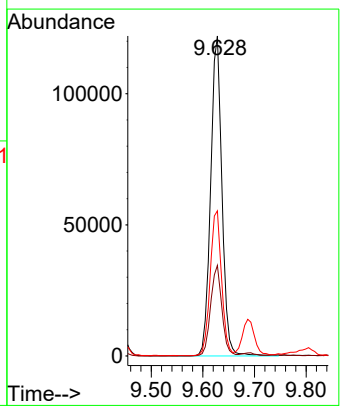


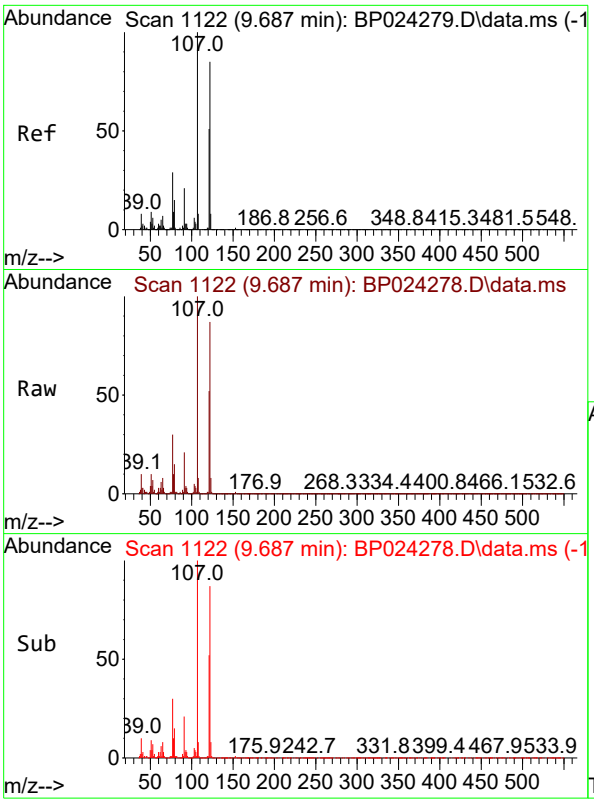


#26
2-Nitrophenol
Concen: 20.553 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 185740

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	45.4	36.2	54.2



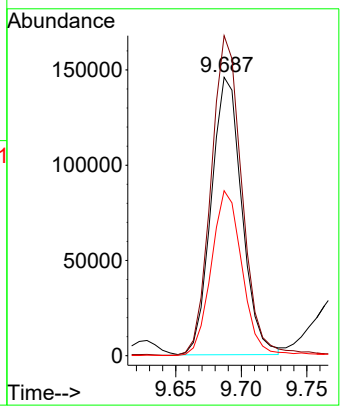


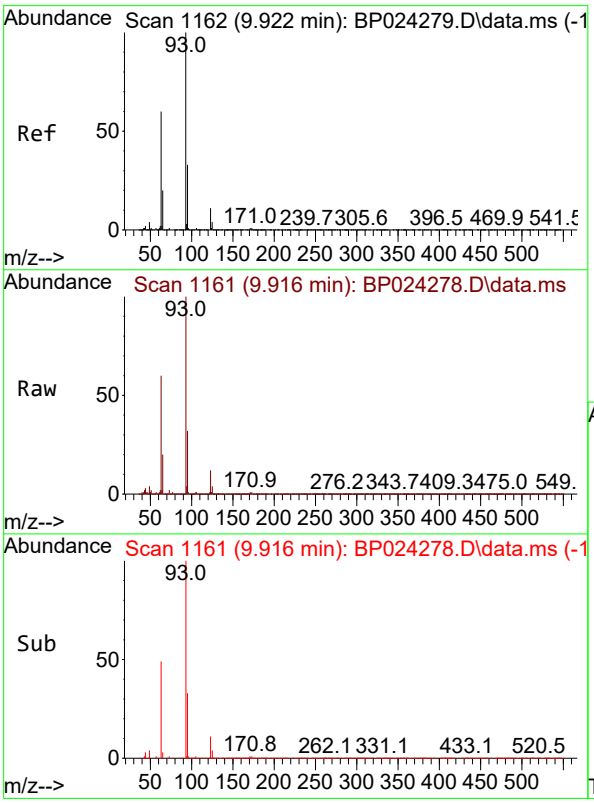
#27
2,4-Dimethylphenol
Concen: 20.643 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 236436

Ion	Ratio	Lower	Upper
122	100		
107	114.9	93.7	140.5
121	59.2	48.2	72.2

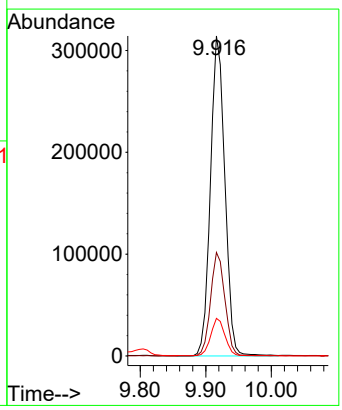


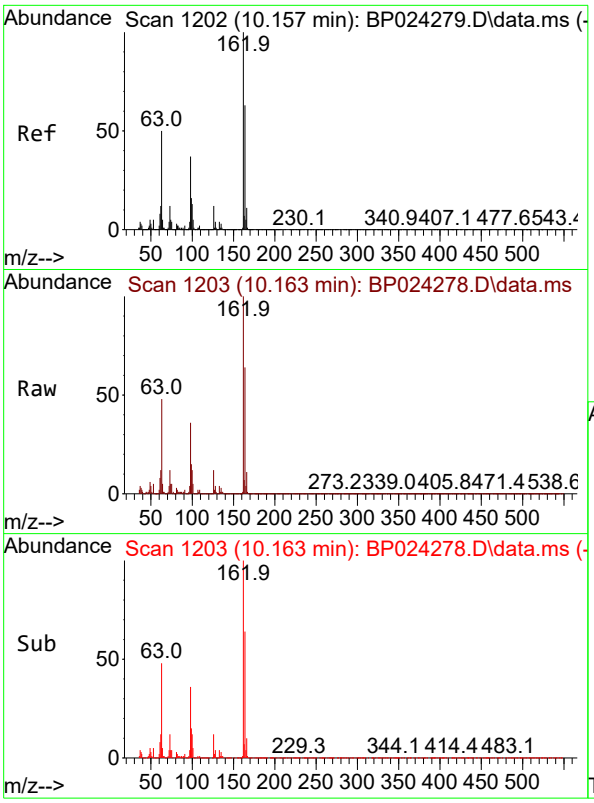


#28
bis(2-Chloroethoxy)methane
Concen: 20.575 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 480036

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.8	9.1	13.7



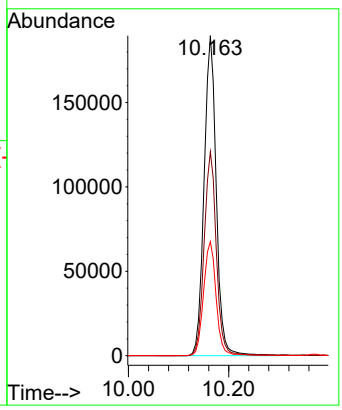


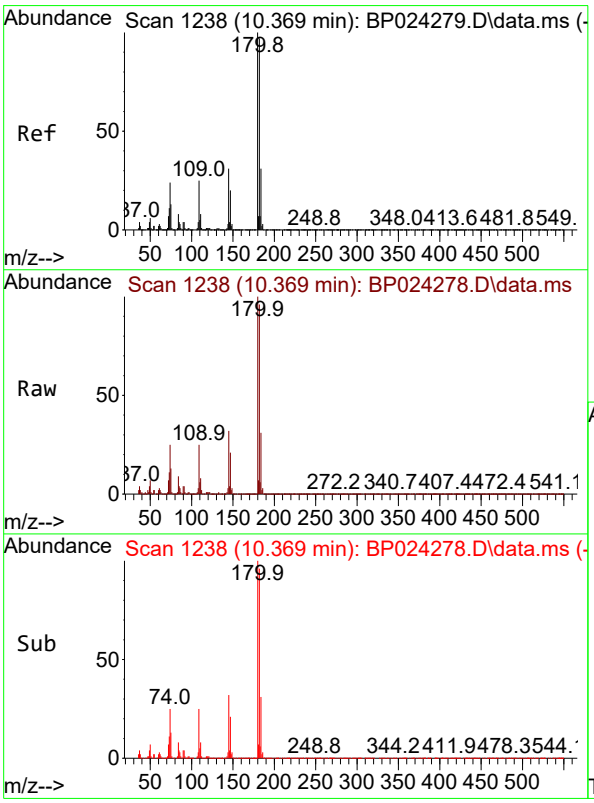
#29
2,4-Dichlorophenol
Concen: 20.536 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320579

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.6	16.6	56.6

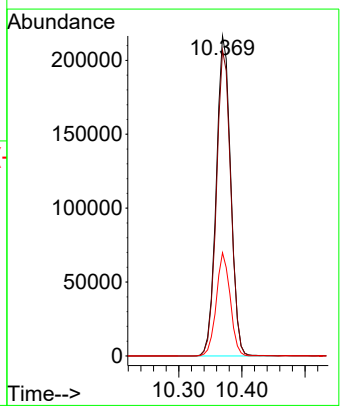


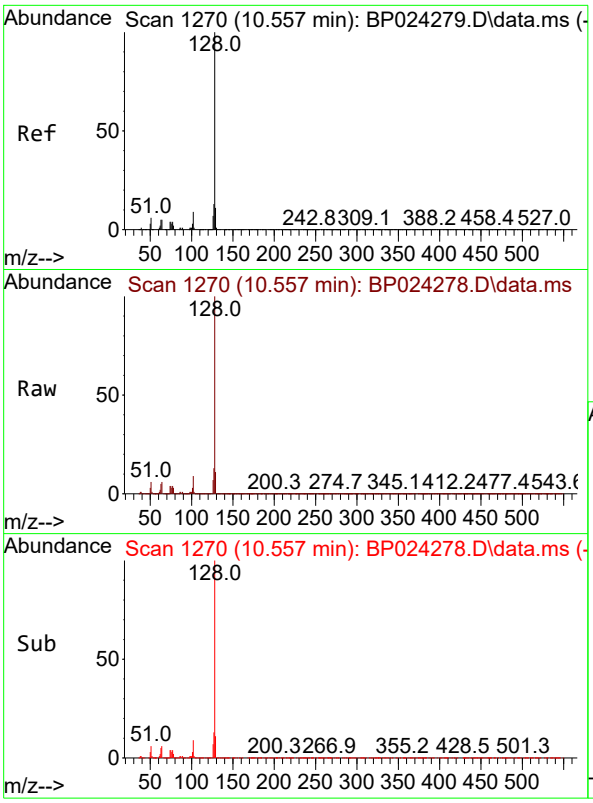


#30
1,2,4-Trichlorobenzene
Concen: 20.348 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:180 Resp: 343641

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	32.3	25.1	37.7



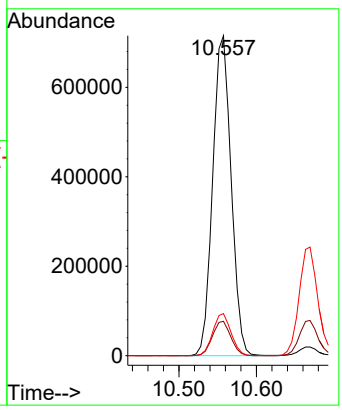


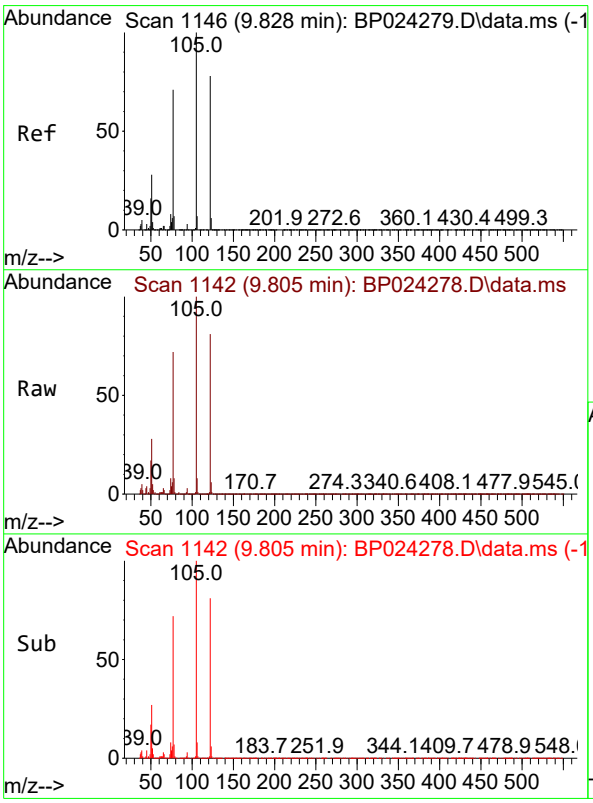
#31
Naphthalene
Concen: 20.618 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1179848

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

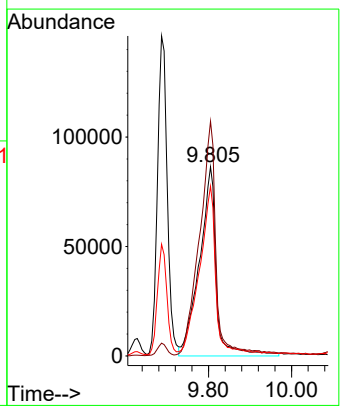


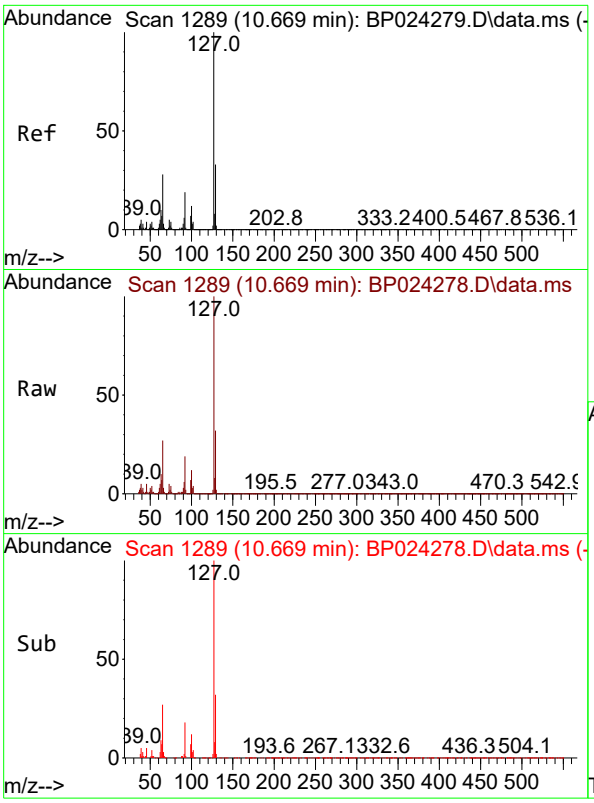


#32
Benzoic acid
Concen: 19.731 ng m
RT: 9.805 min Scan# 1142
Delta R.T. -0.024 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:122 Resp: 244213

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	89.8	69.2	109.2



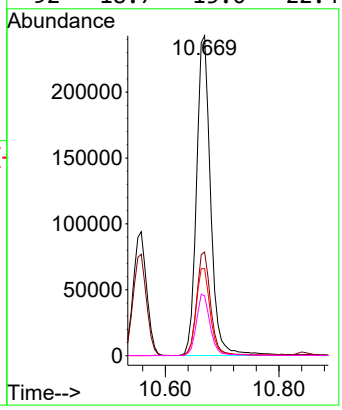


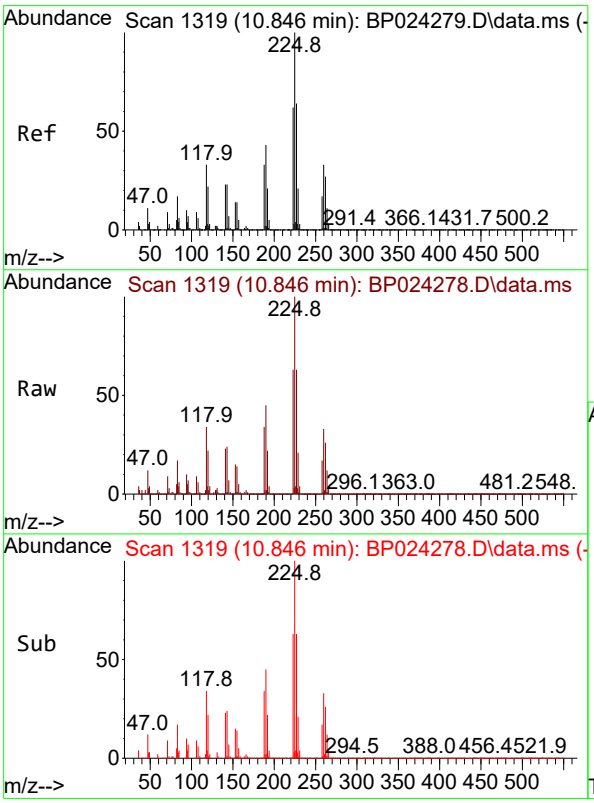
#33
4-Chloroaniline
Concen: 21.010 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420086

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.7	15.0	22.4

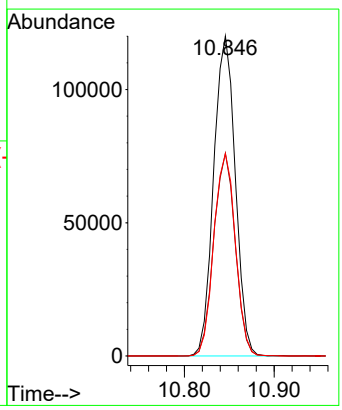


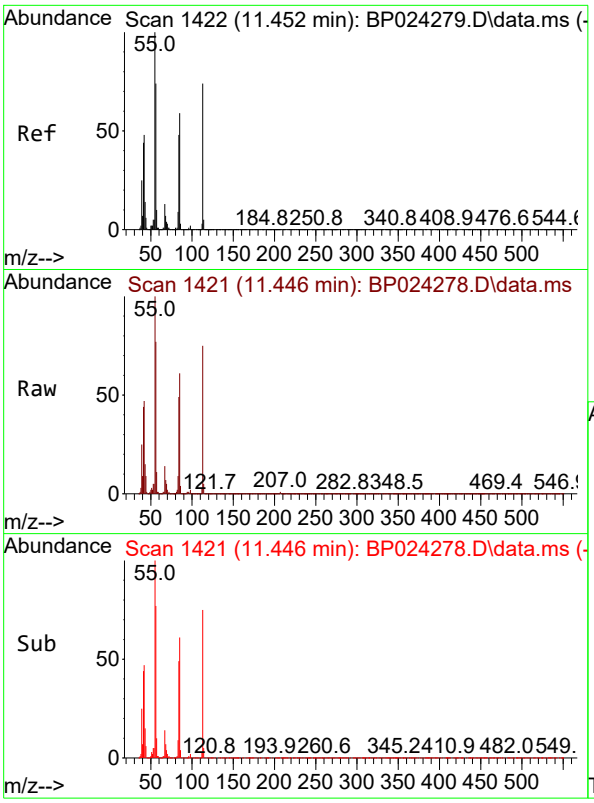


#34
Hexachlorobutadiene
Concen: 20.267 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:225 Resp: 200785

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.3	50.9	76.3



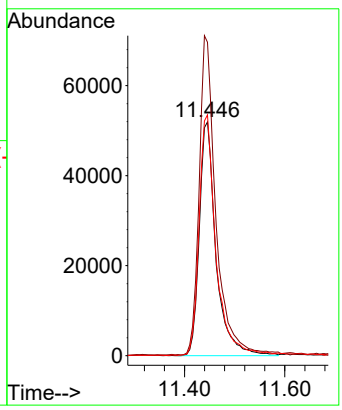


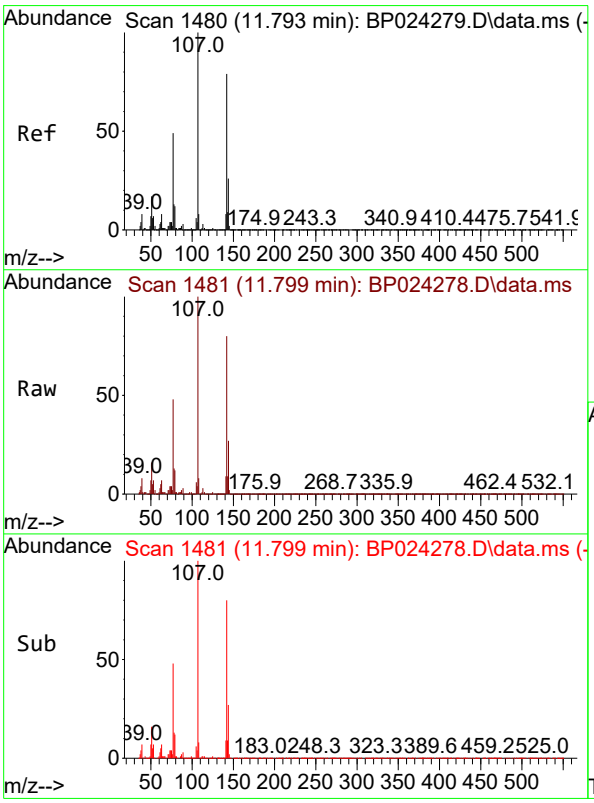
#35
Caprolactam
Concen: 20.922 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 119912

Ion	Ratio	Lower	Upper
113	100		
55	134.1	115.9	155.9
56	103.0	81.1	121.1

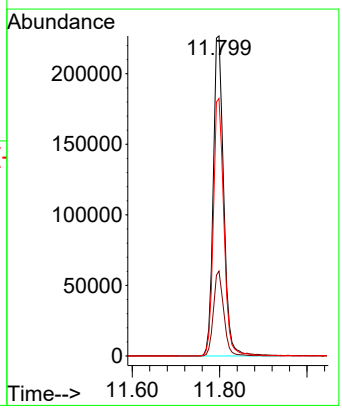


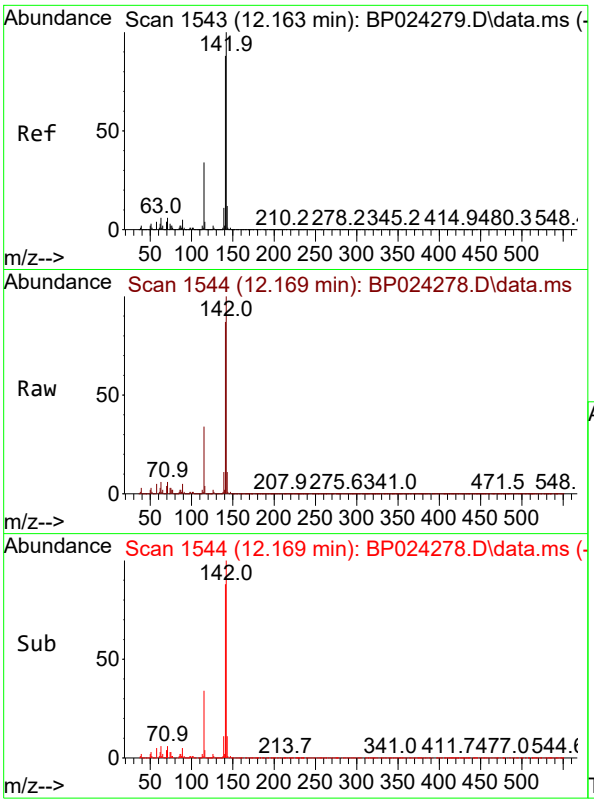


#36
4-Chloro-3-methylphenol
Concen: 20.767 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 377768

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.5	30.7
142	80.4	63.4	95.2



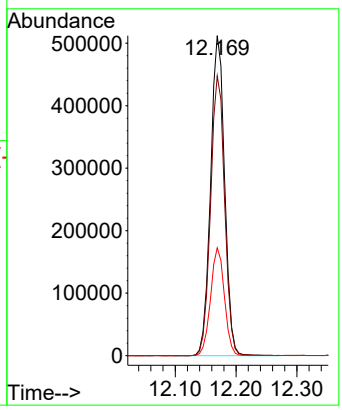


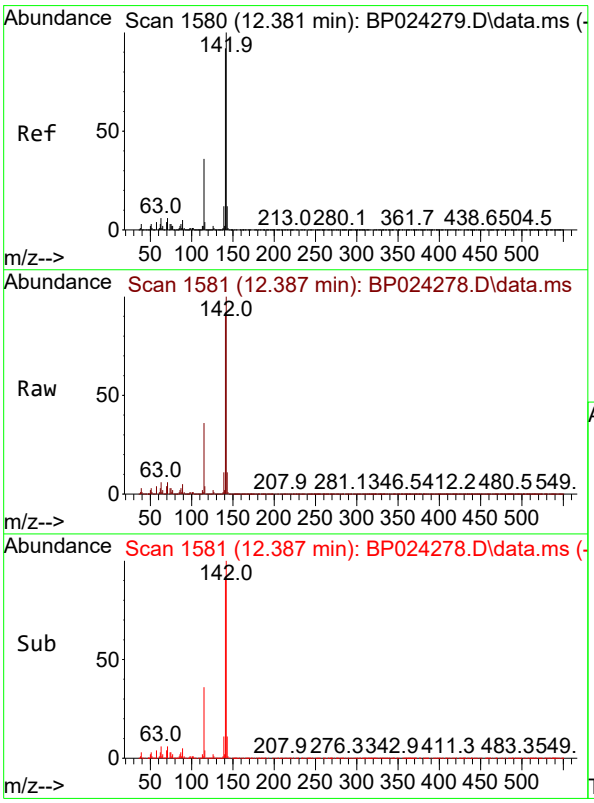
#37
2-Methylnaphthalene
Concen: 20.583 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 816314

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.7	26.9	40.3

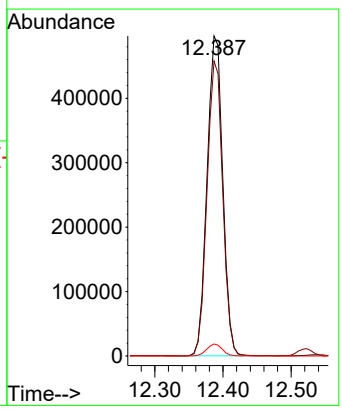


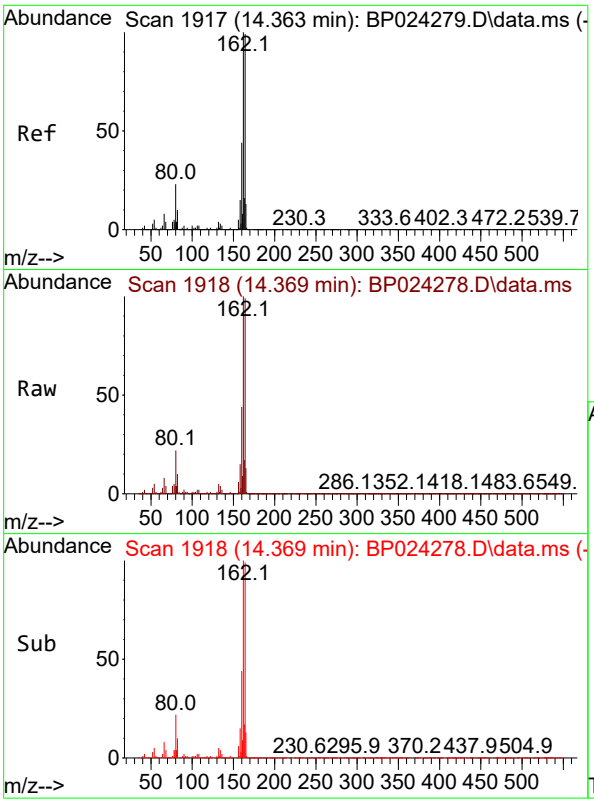


#38
1-Methylnaphthalene
Concen: 20.503 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:142 Resp: 796550

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	3.8	3.0	4.6



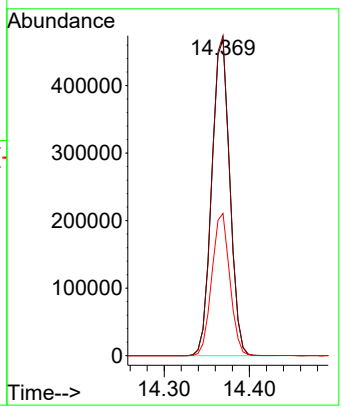


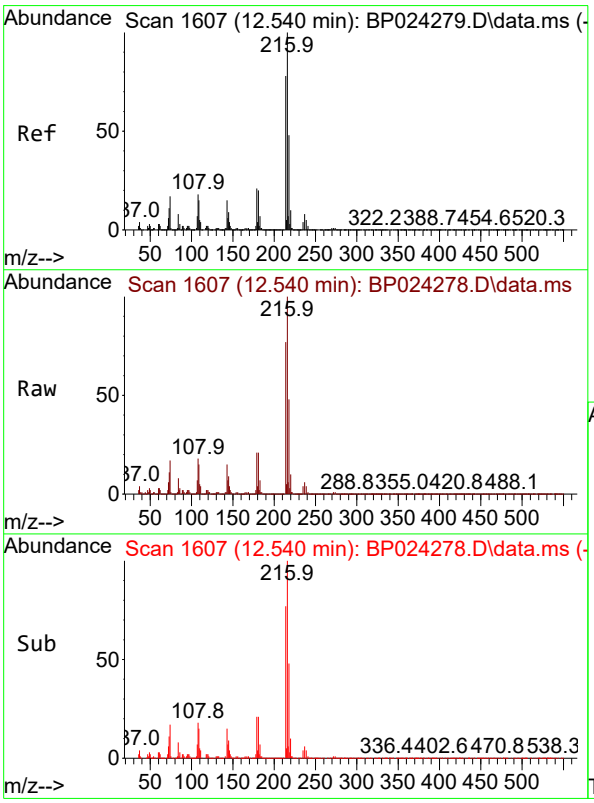
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 688775

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.0	35.3	52.9

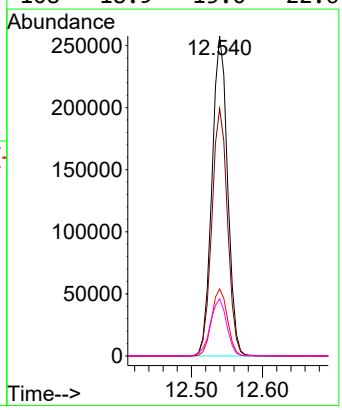


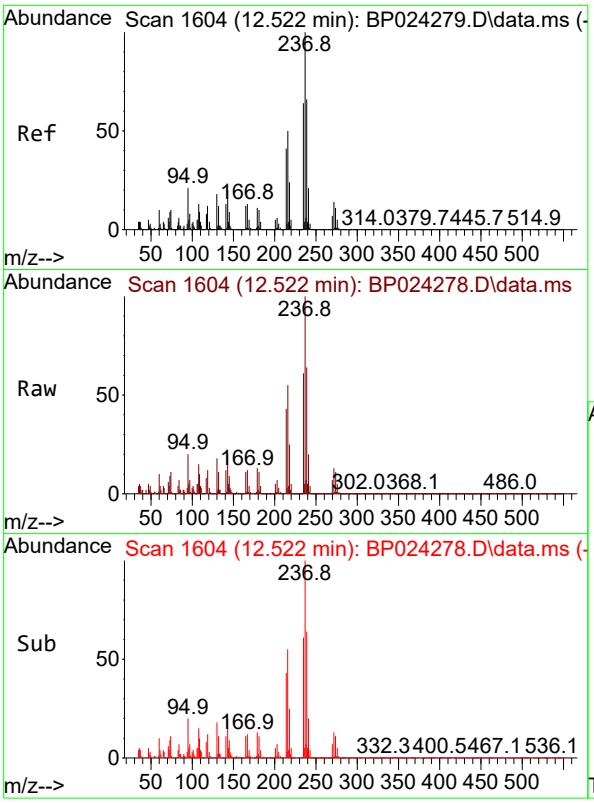


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.669 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:216 Resp: 391241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	21.2	17.2	25.8
108	18.9	15.0	22.6



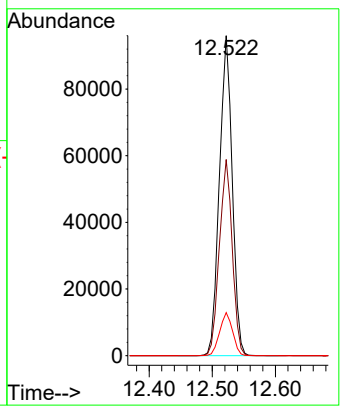


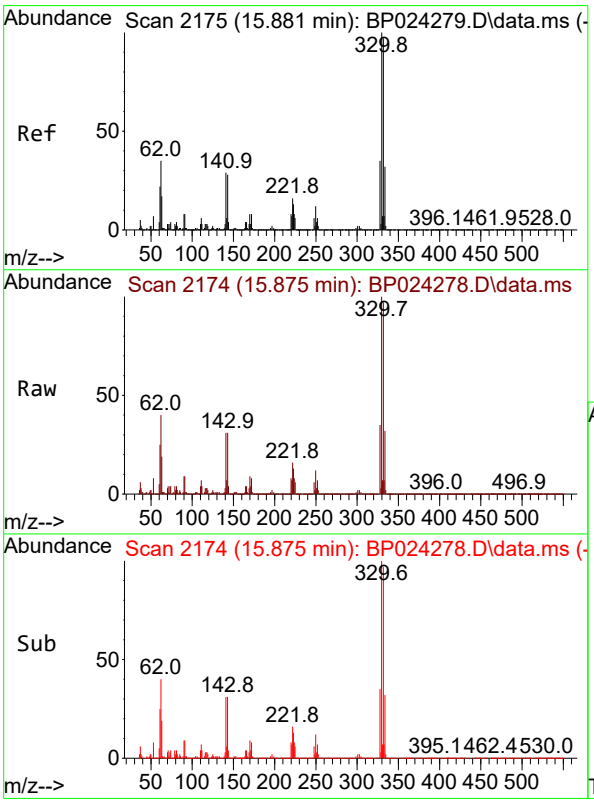
#41
Hexachlorocyclopentadiene
Concen: 20.414 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 135654

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.9	83.9
272	13.5	0.0	33.6

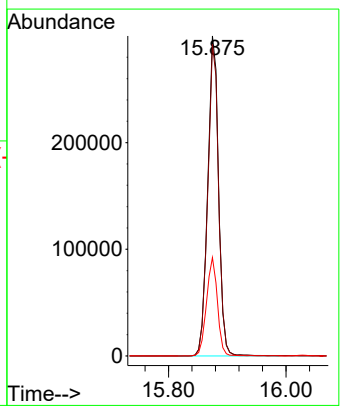


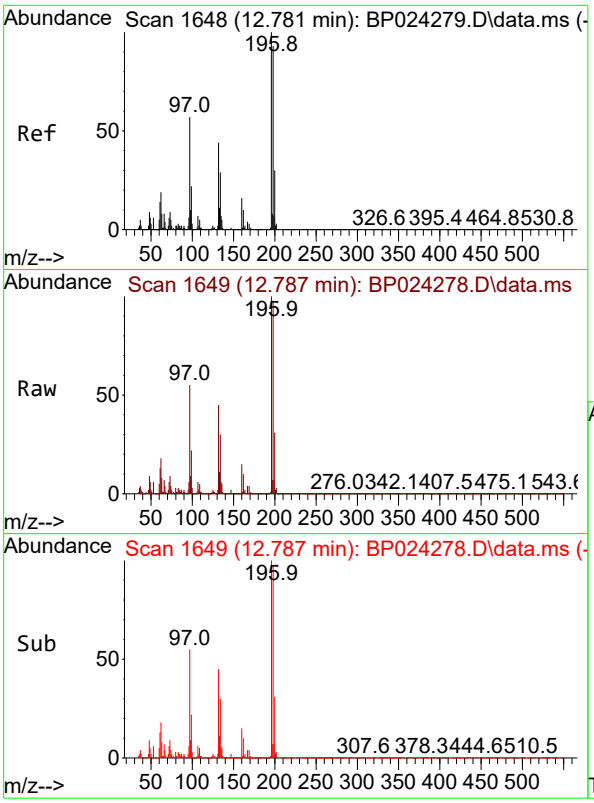


#42
2,4,6-Tribromophenol
Concen: 40.617 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:330 Resp: 383088

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	30.9	24.7	37.1



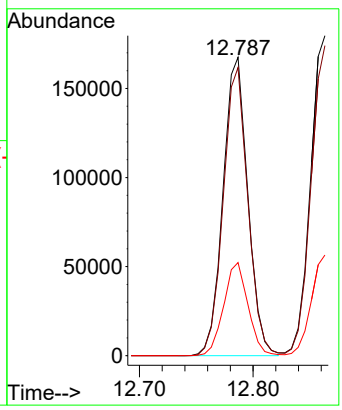


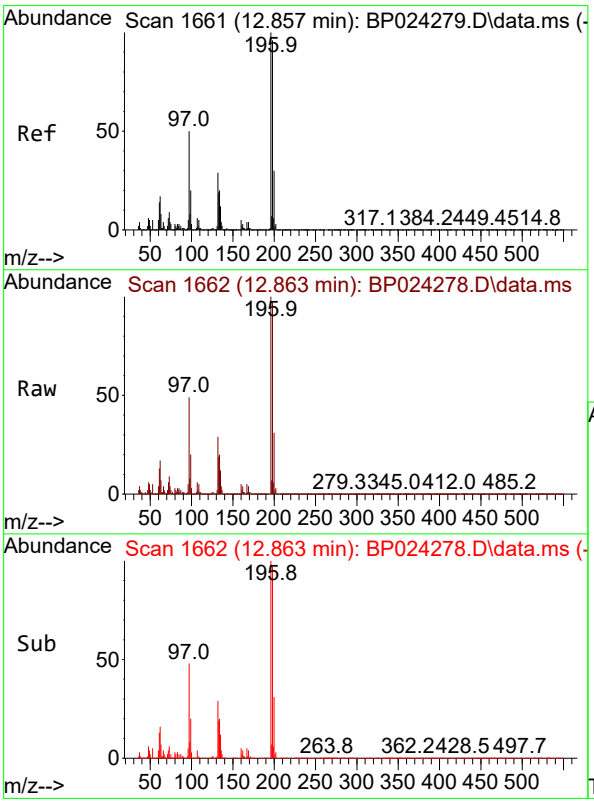
#43
2,4,6-Trichlorophenol
Concen: 20.410 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 254189

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.3	111.5
200	31.2	24.0	36.0

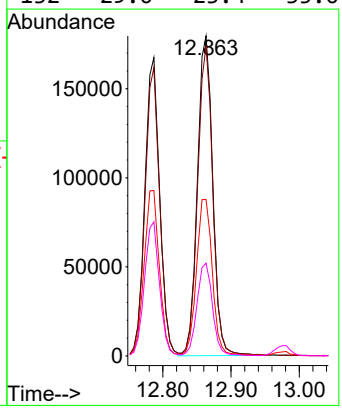


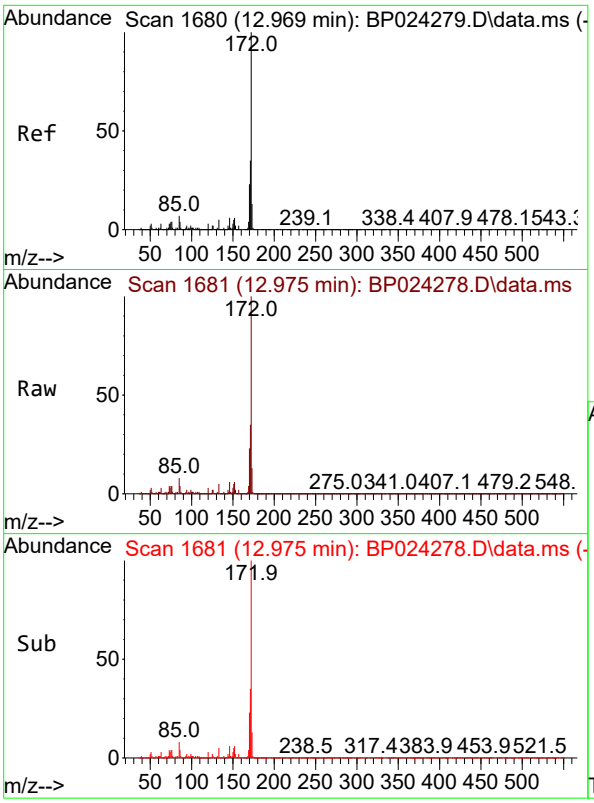


#44
2,4,5-Trichlorophenol
Concen: 20.424 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:196 Resp: 281887

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	48.9	40.4	60.6
132	29.0	23.4	35.0



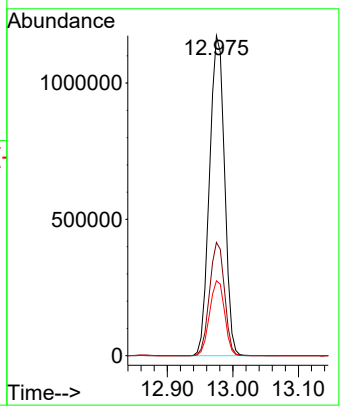


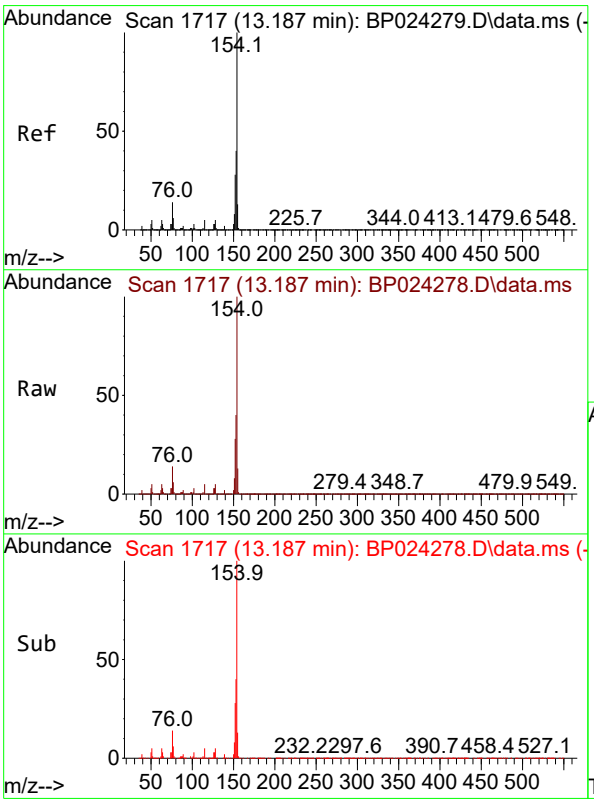
#45
2-Fluorobiphenyl
Concen: 41.254 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1871534

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.6	27.8

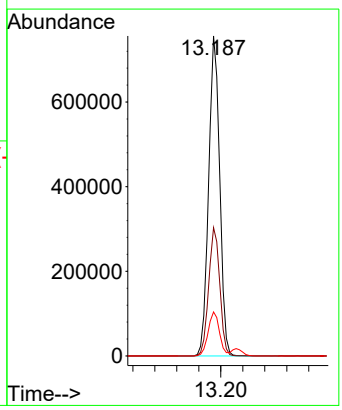


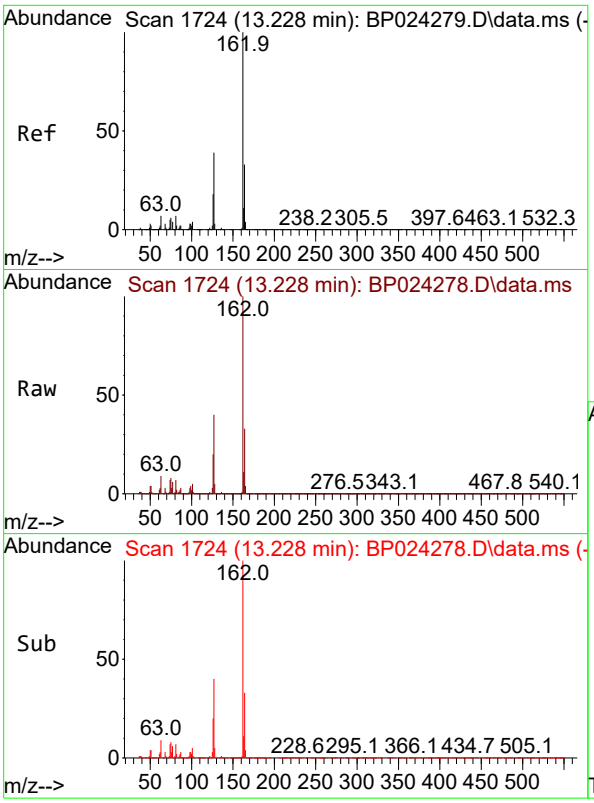


#46
1,1'-Biphenyl
Concen: 20.694 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 1052618

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	13.7	0.0	33.5



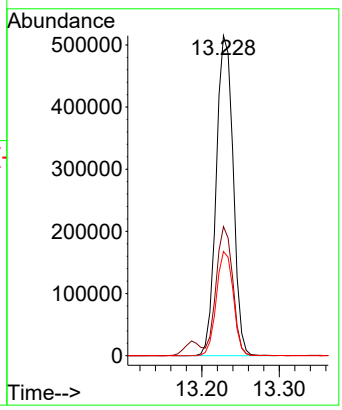


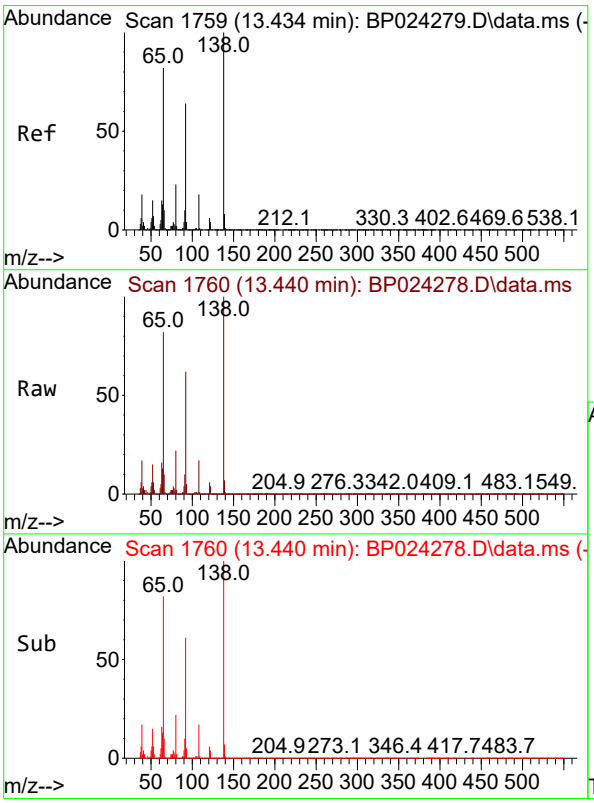
#47
2-Chloronaphthalene
Concen: 20.603 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 782040

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

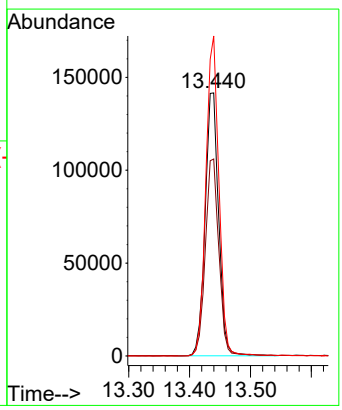


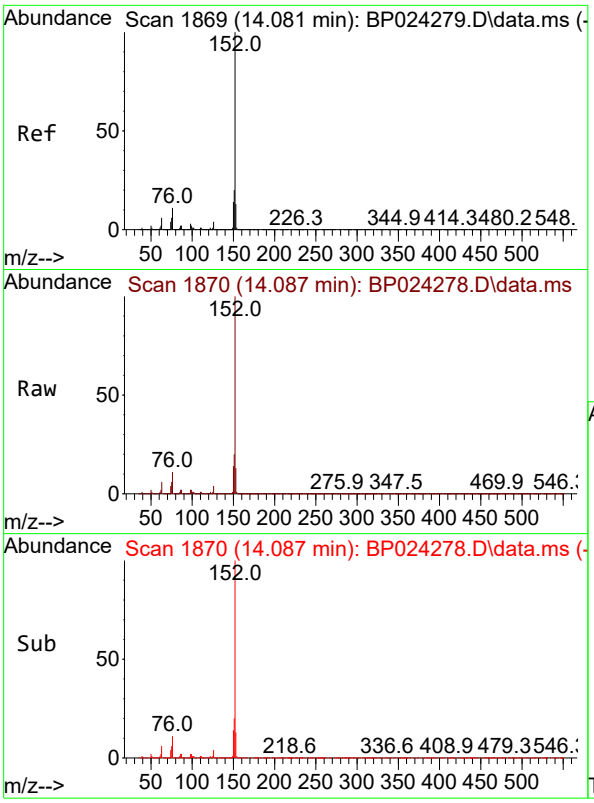


#48
2-Nitroaniline
Concen: 20.811 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 65 Resp: 218194

Ion	Ratio	Lower	Upper
65	100		
92	74.9	62.3	93.5
138	121.6	97.2	145.8



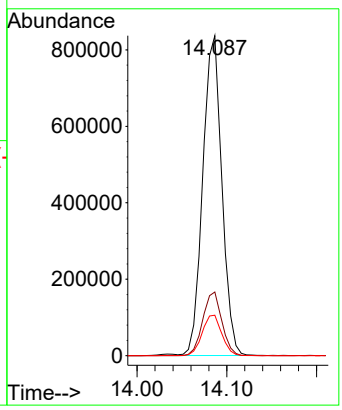


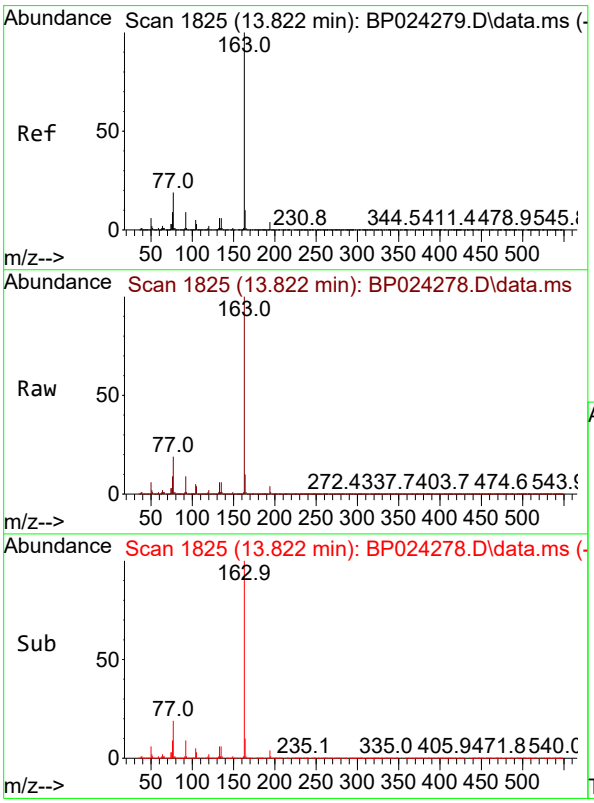
#49
Acenaphthylene
Concen: 20.726 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1234728

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.6	15.8

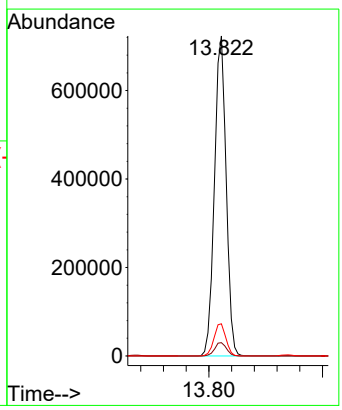


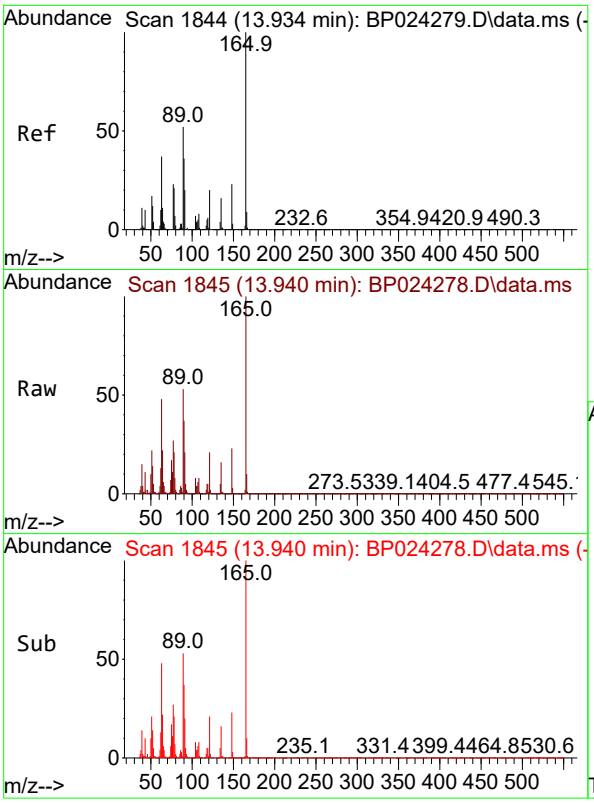


#50
Dimethylphthalate
Concen: 20.489 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:163 Resp: 1029599

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.1	8.0	12.0



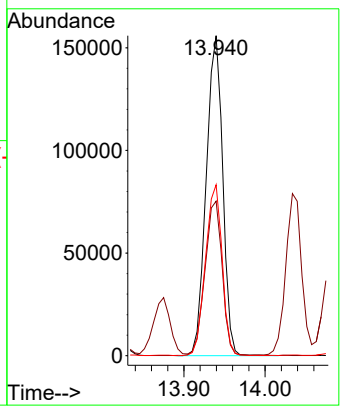


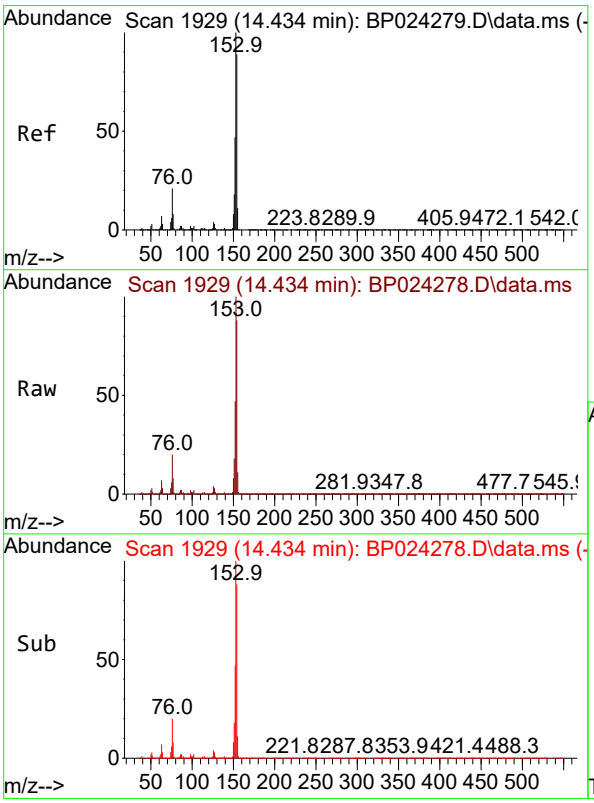
#51
2,6-Dinitrotoluene
Concen: 20.731 ng
RT: 13.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 219492

Ion	Ratio	Lower	Upper
165	100		
63	48.3	38.0	57.0
89	53.4	41.7	62.5

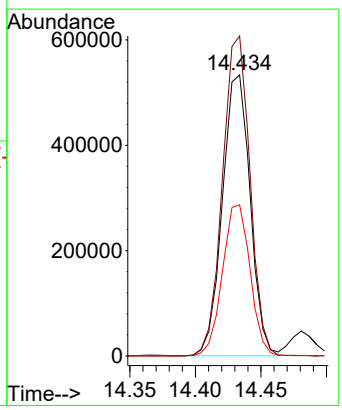


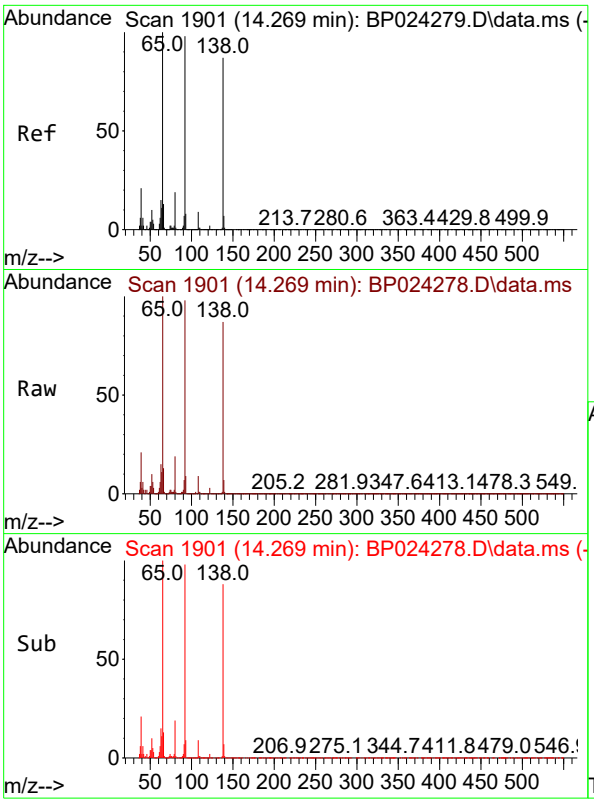


#52
Acenaphthene
Concen: 20.741 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 785789

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.6
152	53.8	42.6	63.8



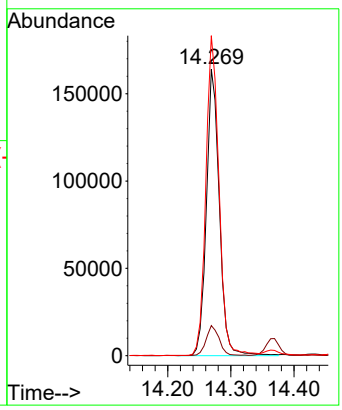


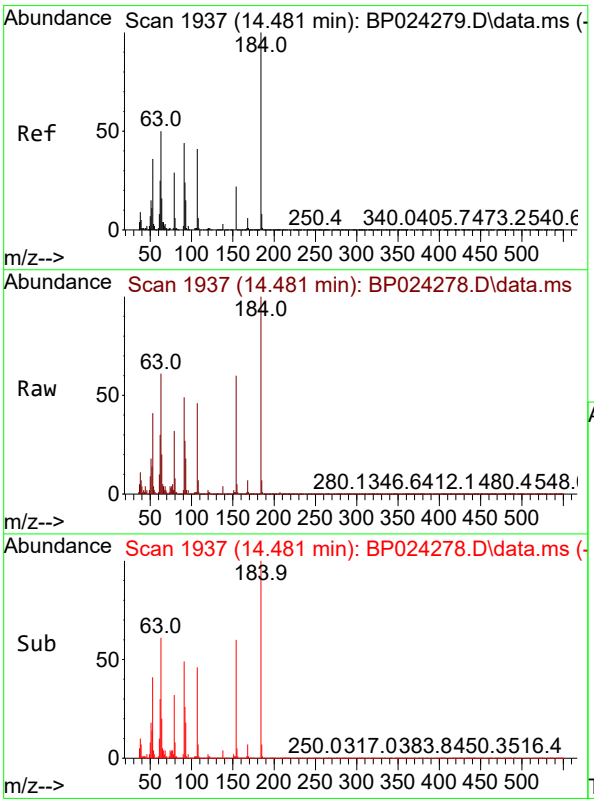
#53
3-Nitroaniline
Concen: 21.212 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 233006

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.7	89.8	134.8

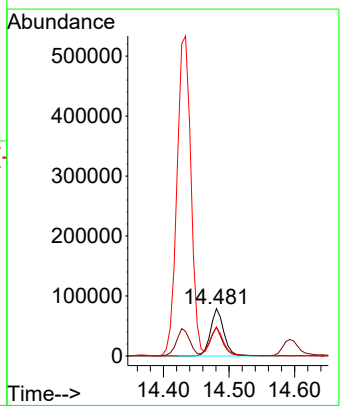


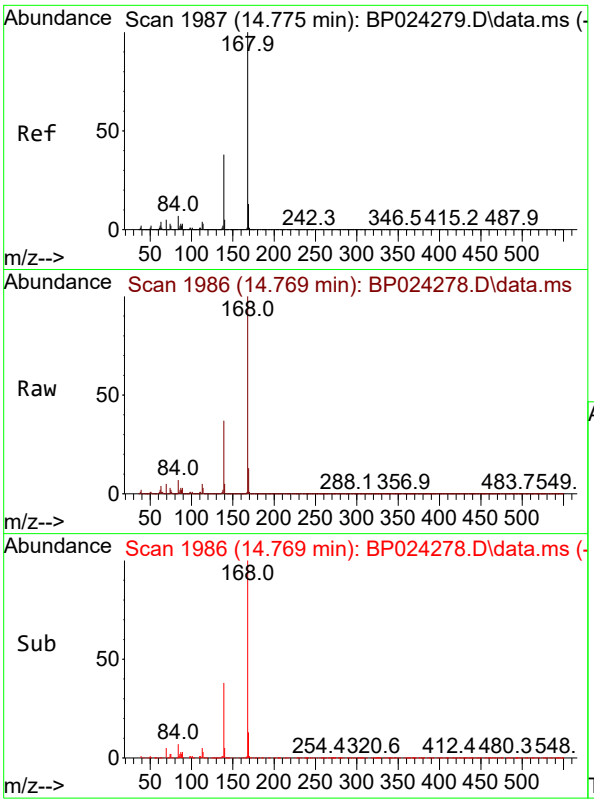


#54
2,4-Dinitrophenol
Concen: 19.785 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:184 Resp: 112157

Ion	Ratio	Lower	Upper
184	100		
63	61.0	42.6	64.0
154	60.0	47.2	70.8



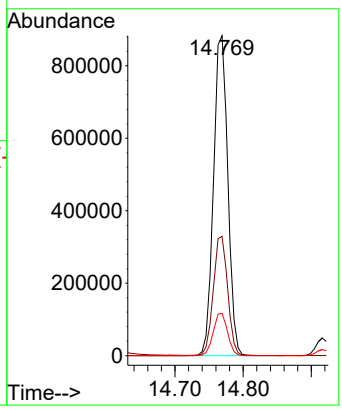


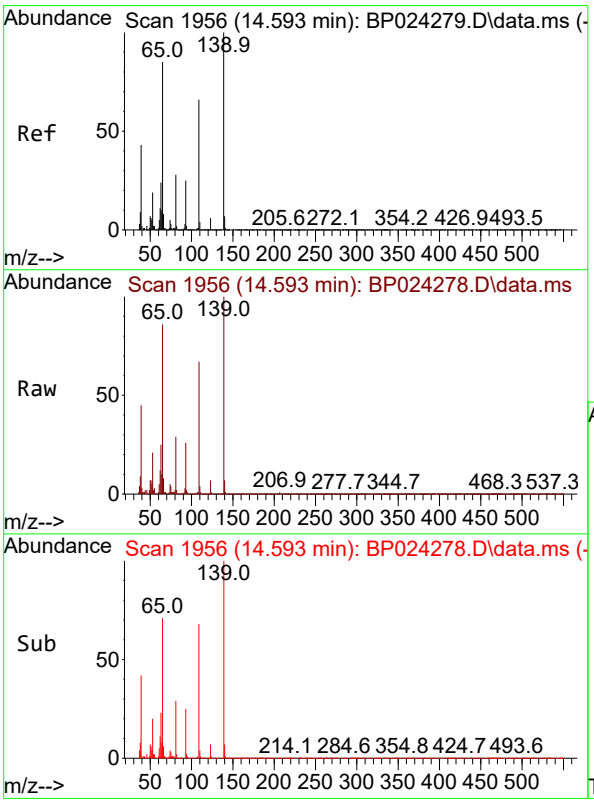
#55
Dibenzofuran
Concen: 20.735 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1288363

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	13.2	10.6	16.0

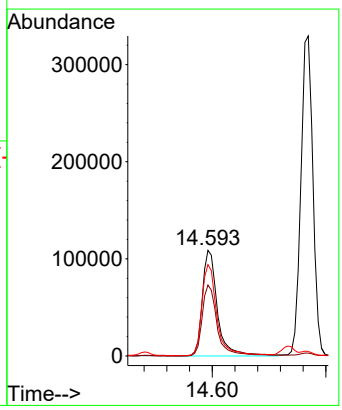


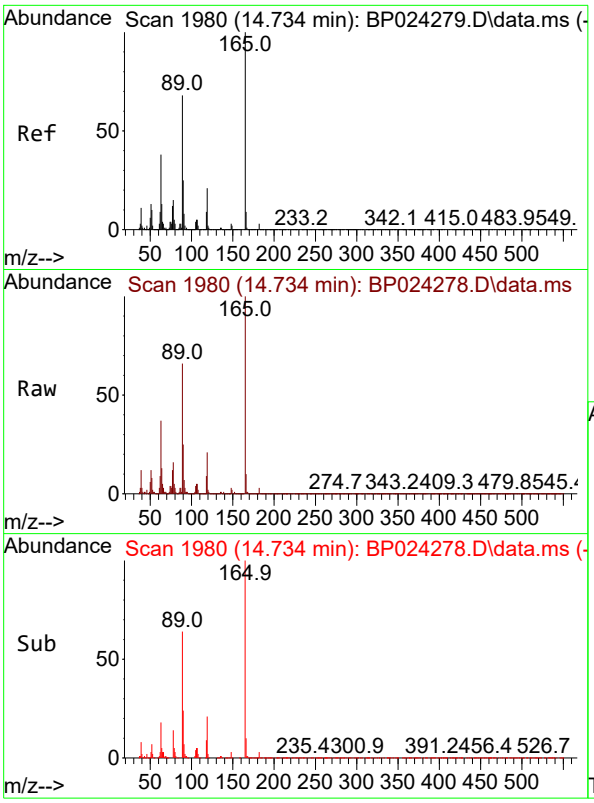


#56
4-Nitrophenol
Concen: 21.109 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 199315

Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.1	86.1
65	86.5	65.0	105.0



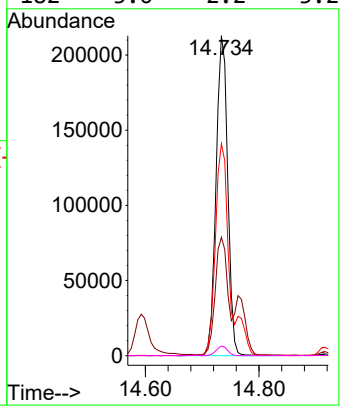


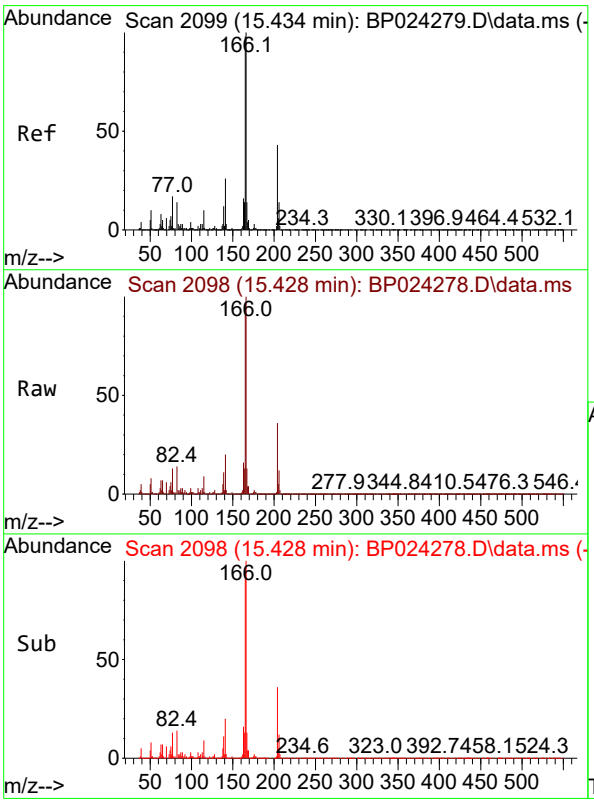
#57
2,4-Dinitrotoluene
Concen: 21.126 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 302332

Ion	Ratio	Lower	Upper
165	100		
63	37.0	30.4	45.6
89	66.2	54.6	82.0
182	3.0	2.2	3.2

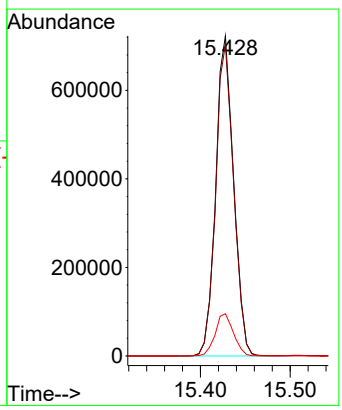


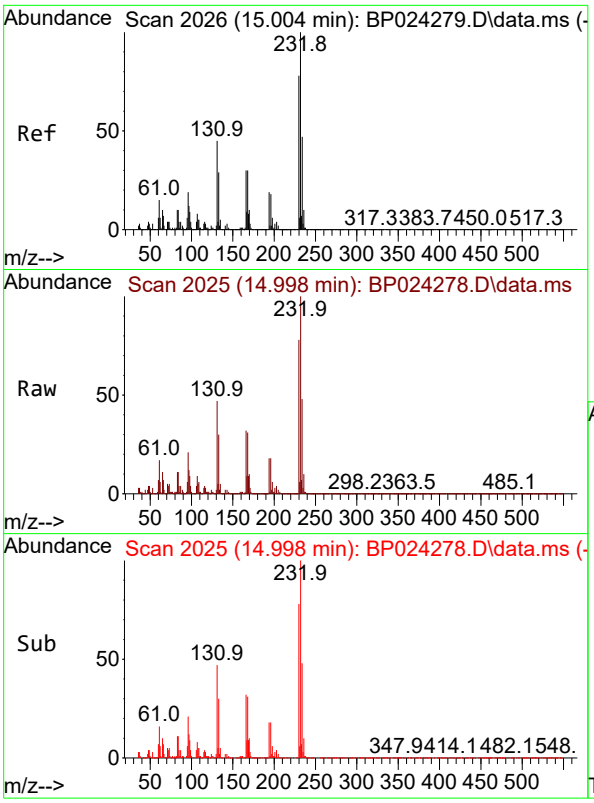


#58
Fluorene
Concen: 20.876 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:166 Resp: 1001515

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.2	10.9	16.3



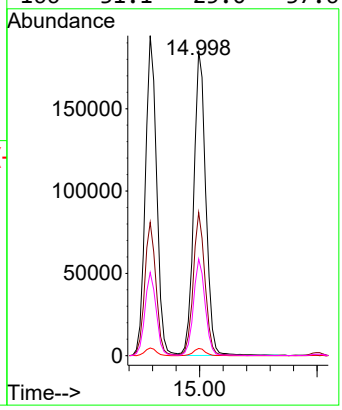


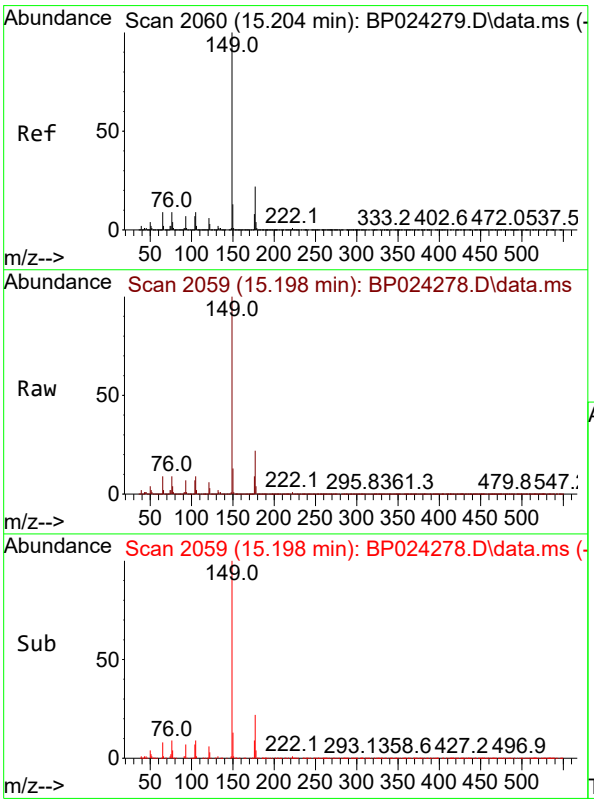
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.523 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262077

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.8	55.2
130	2.4	1.9	2.9
166	31.1	25.0	37.6

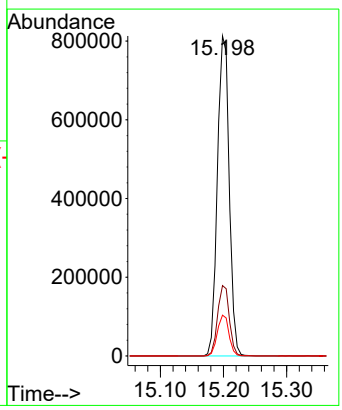


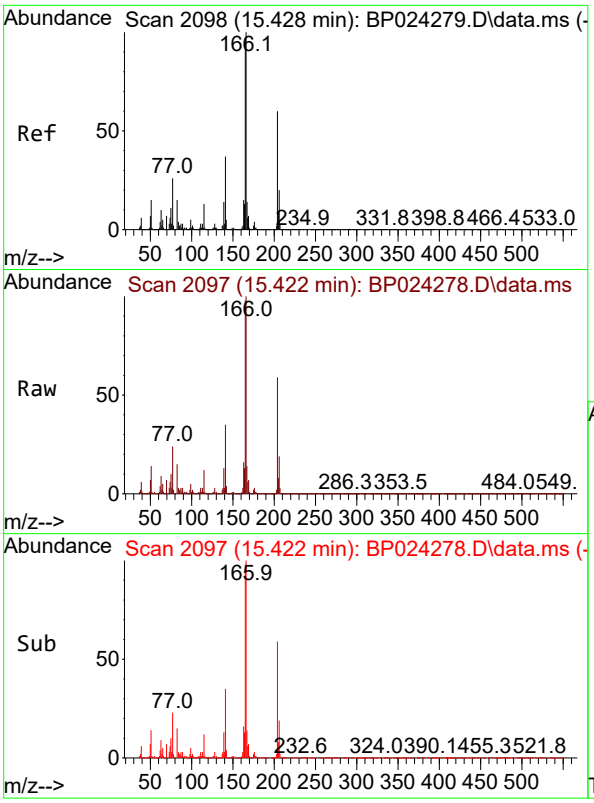


#60
Diethylphthalate
Concen: 20.344 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1052183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.8	10.1	15.1



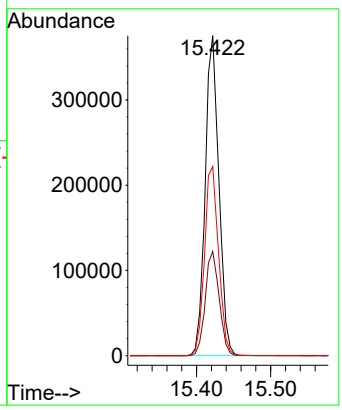


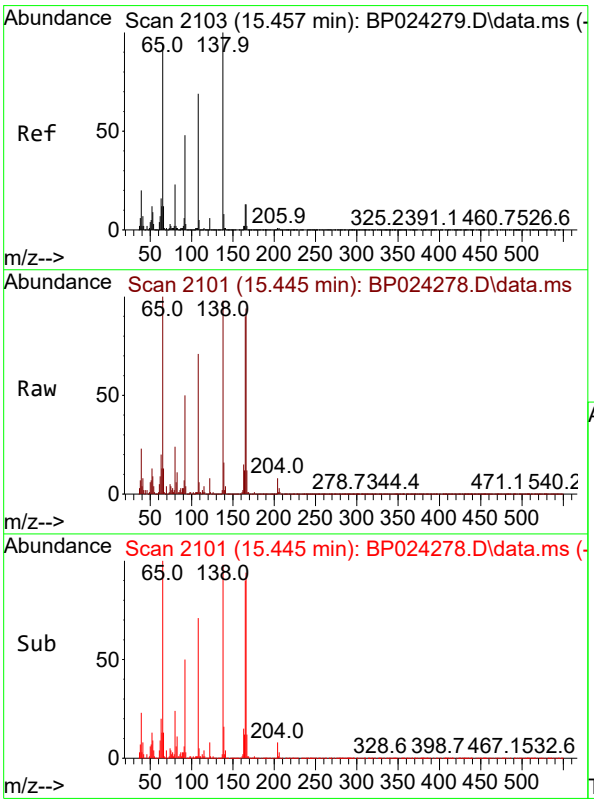
#61
4-Chlorophenyl-phenylether
Concen: 20.675 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 481631

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	59.2	49.4	74.0

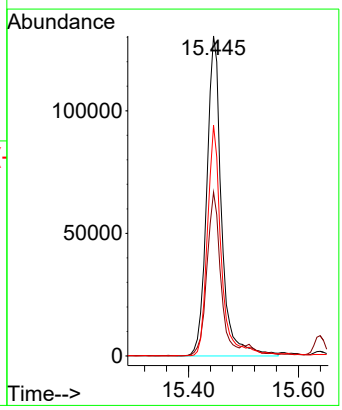


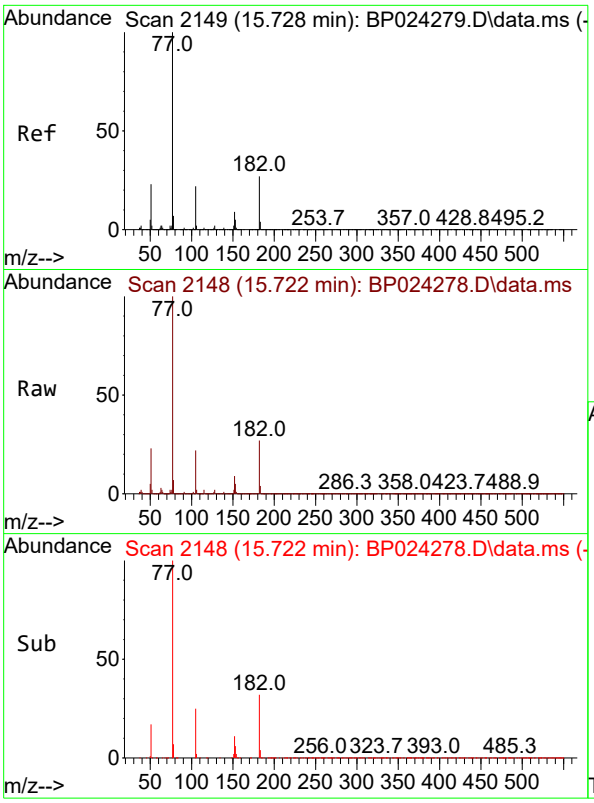


#62
4-Nitroaniline
Concen: 20.888 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:138 Resp: 243257

Ion	Ratio	Lower	Upper
138	100		
92	51.2	27.8	67.8
108	72.0	48.9	88.9



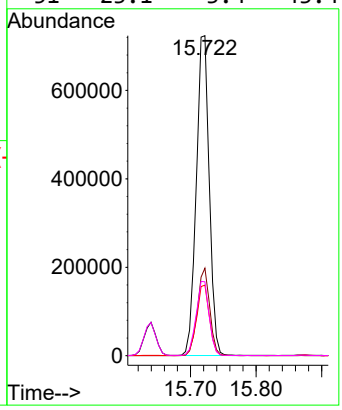


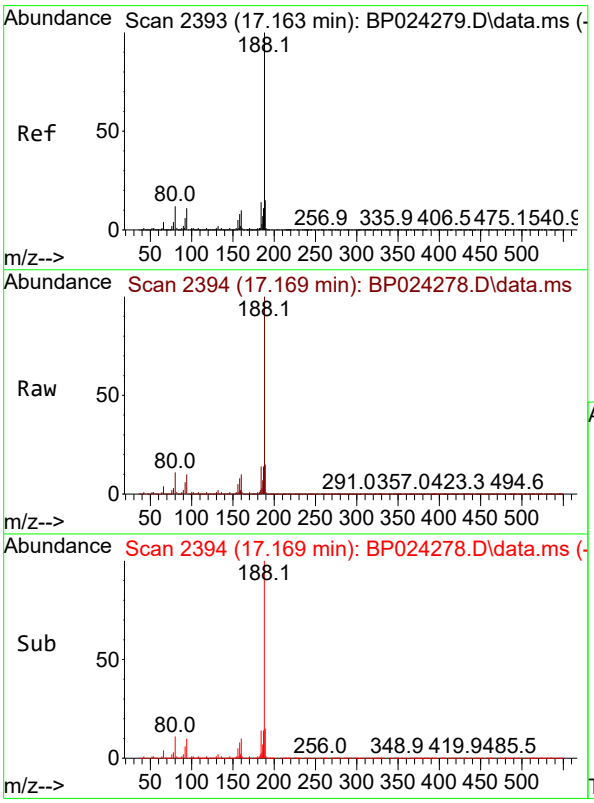
#63
Azobenzene
Concen: 20.907 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 995912

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.0	2.3	42.3
51	23.1	3.4	43.4

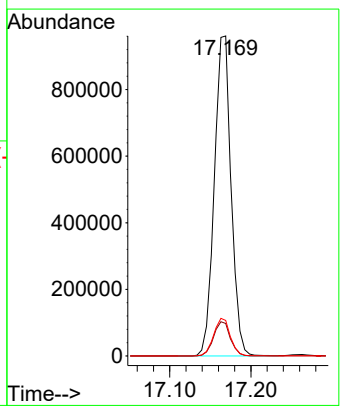


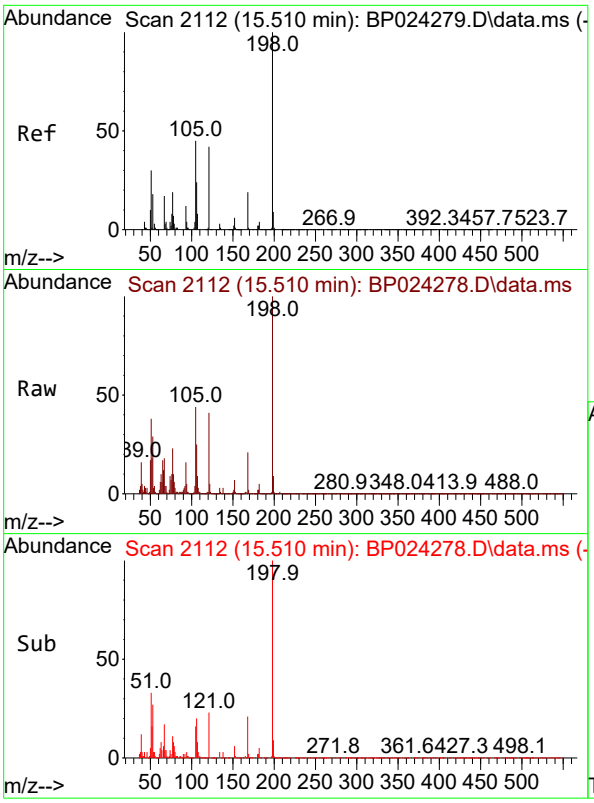


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:188 Resp: 1378480

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.1	9.8	14.6



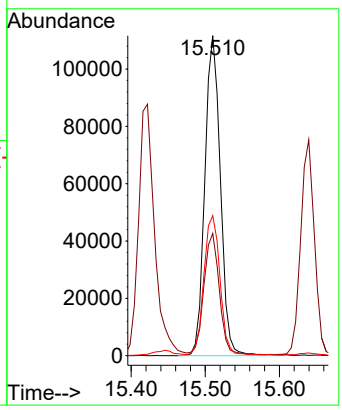


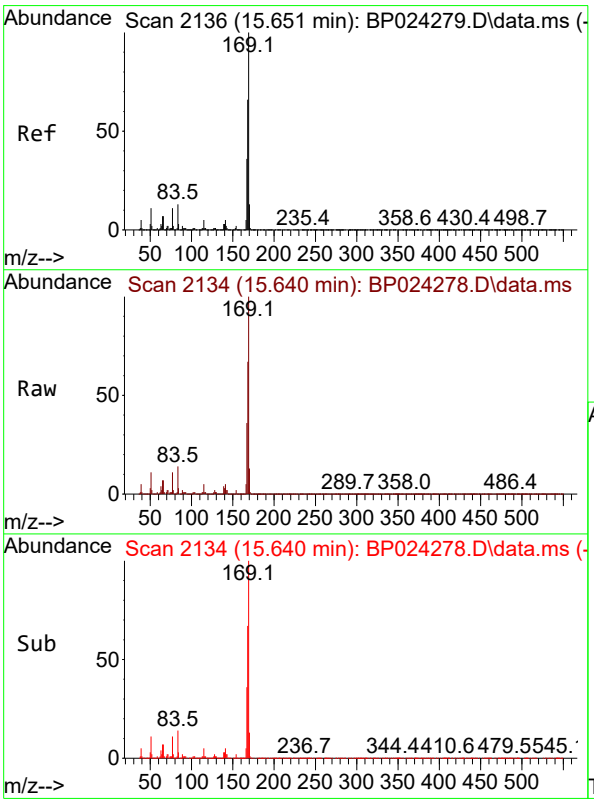
#65
4,6-Dinitro-2-methylphenol
Concen: 20.176 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 162501

Ion	Ratio	Lower	Upper
198	100		
51	38.2	18.4	58.4
105	43.8	26.5	66.5

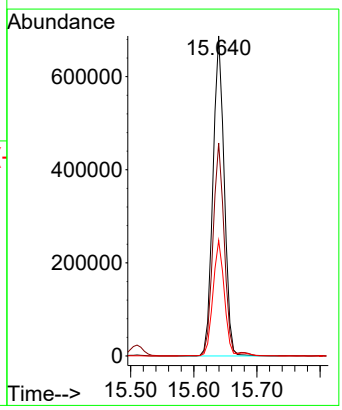


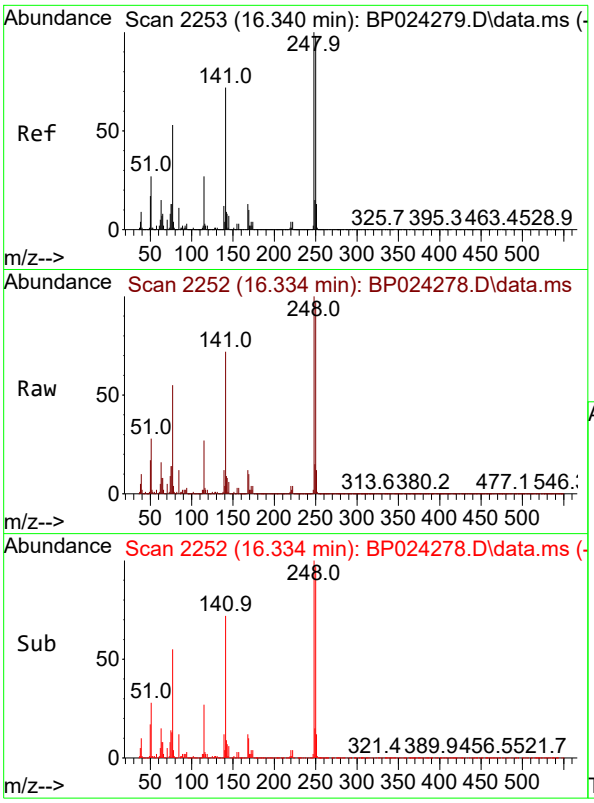


#66
n-Nitrosodiphenylamine
Concen: 20.552 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:169 Resp: 849476

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.1	28.9	43.3



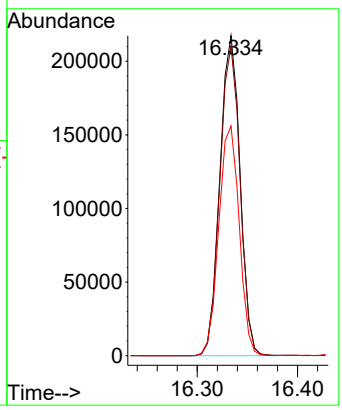


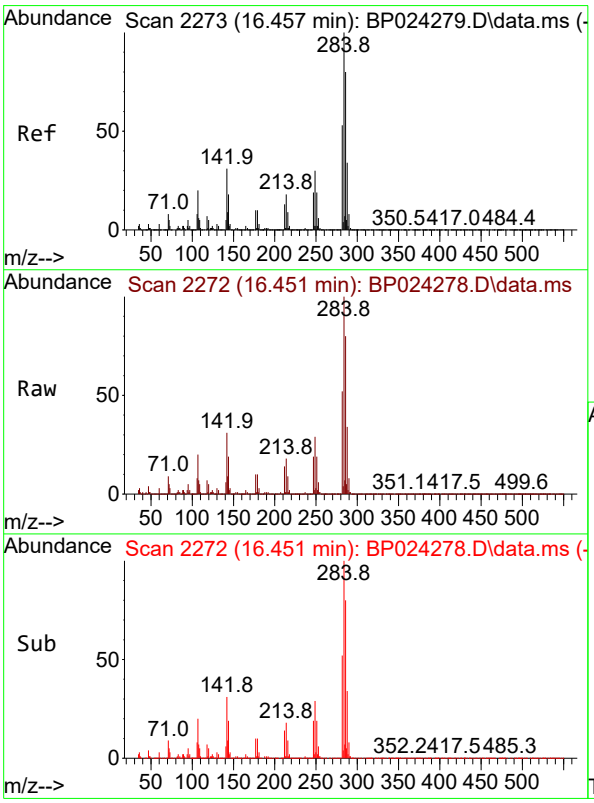
#67
4-Bromophenyl-phenylether
Concen: 20.125 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302601

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	71.8	57.7	86.5

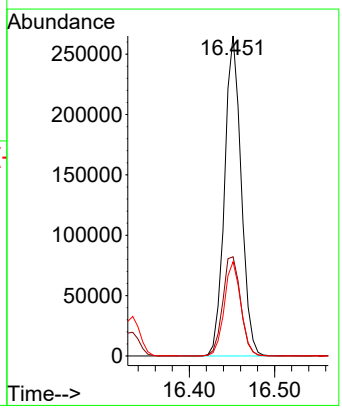


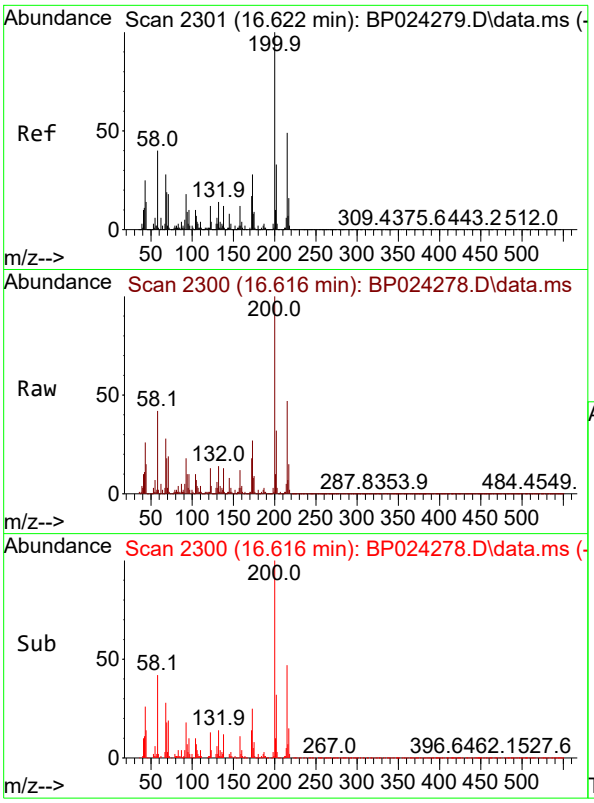


#68
Hexachlorobenzene
Concen: 20.077 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:284 Resp: 358889

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.8	35.6



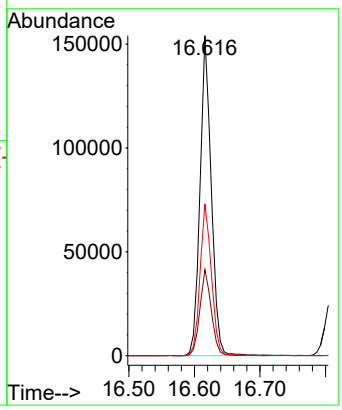


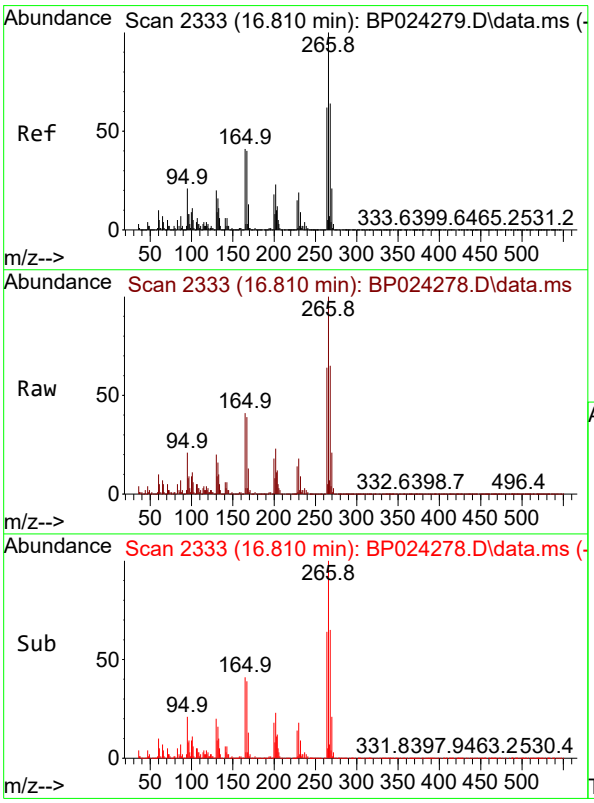
#69
Atrazine
Concen: 17.573 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 184151

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.4	28.8	68.8

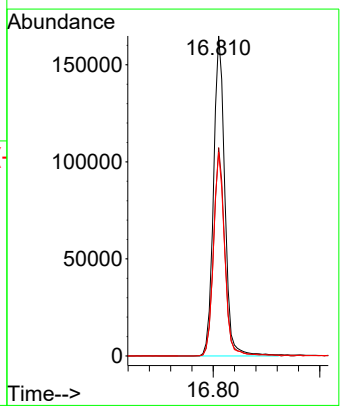


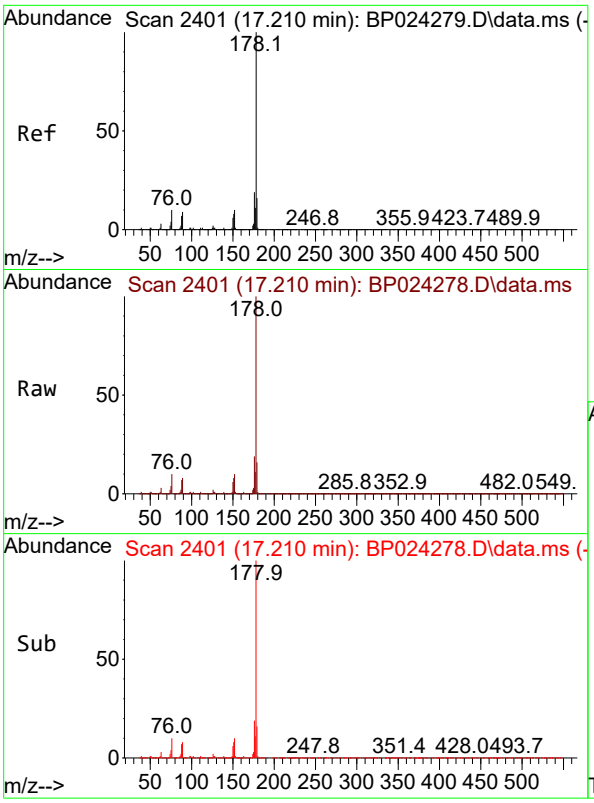


#70
Pentachlorophenol
Concen: 19.702 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:266 Resp: 241815

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	63.6	49.8	74.6



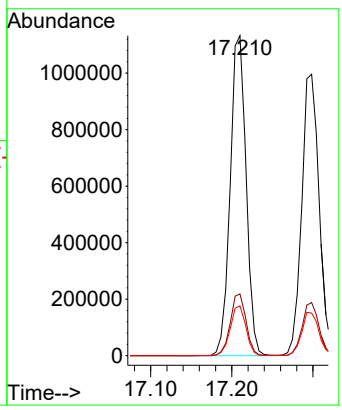


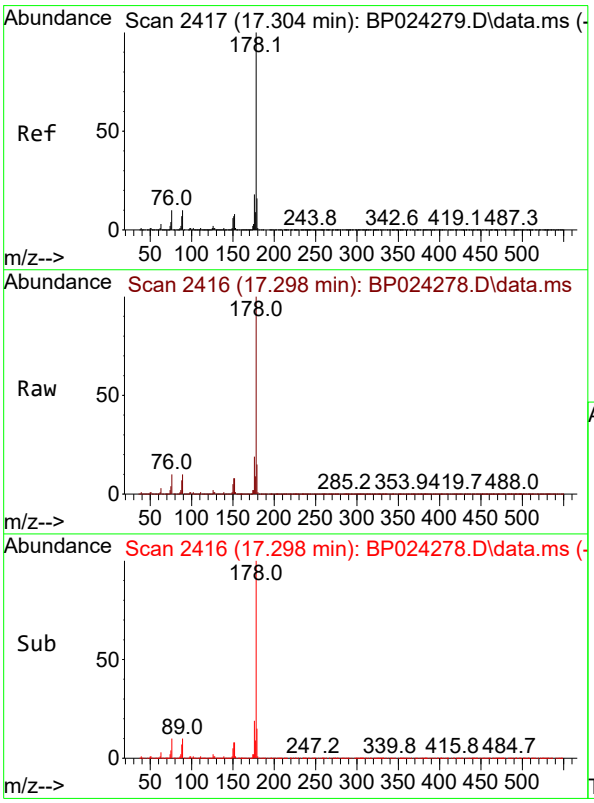
#71
Phenanthrene
Concen: 20.378 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1540112

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

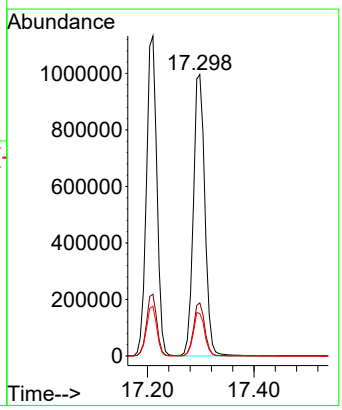


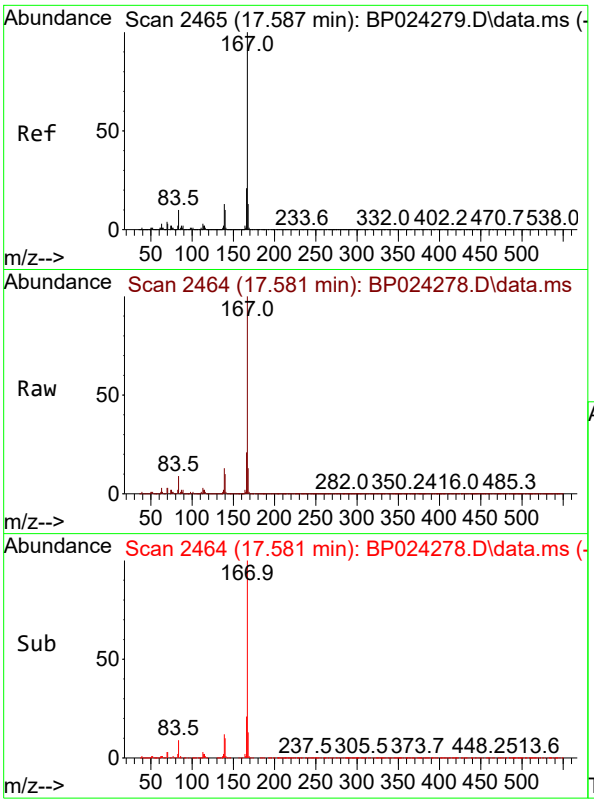


#72
Anthracene
Concen: 20.543 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:178 Resp: 1494006

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.1	12.4	18.6



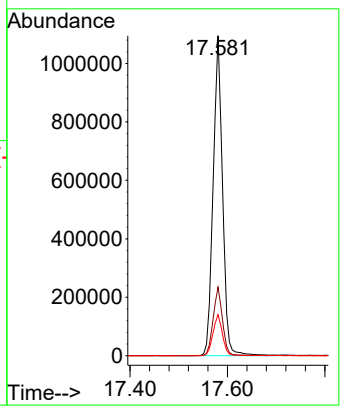


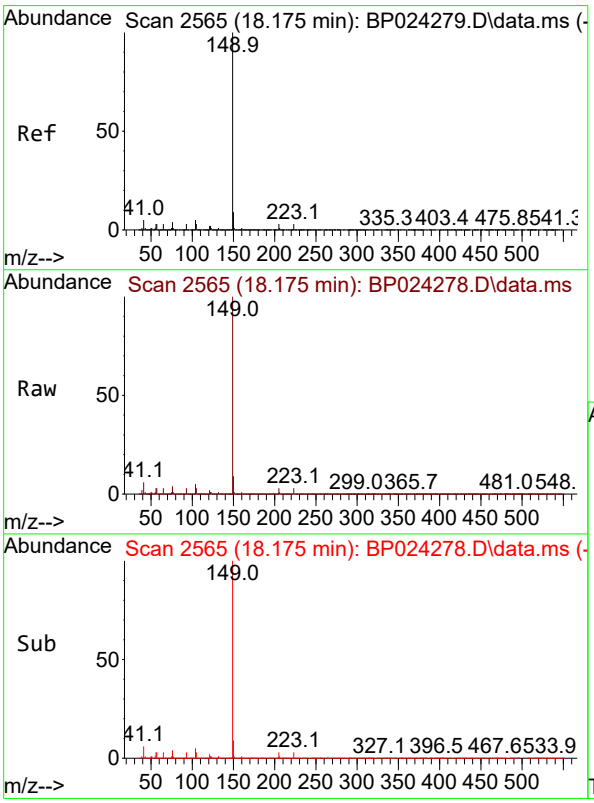
#73
Carbazole
Concen: 20.653 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1461729

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.6	16.0

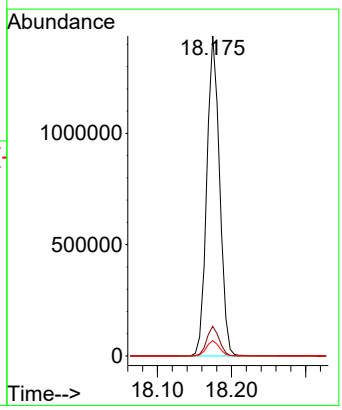


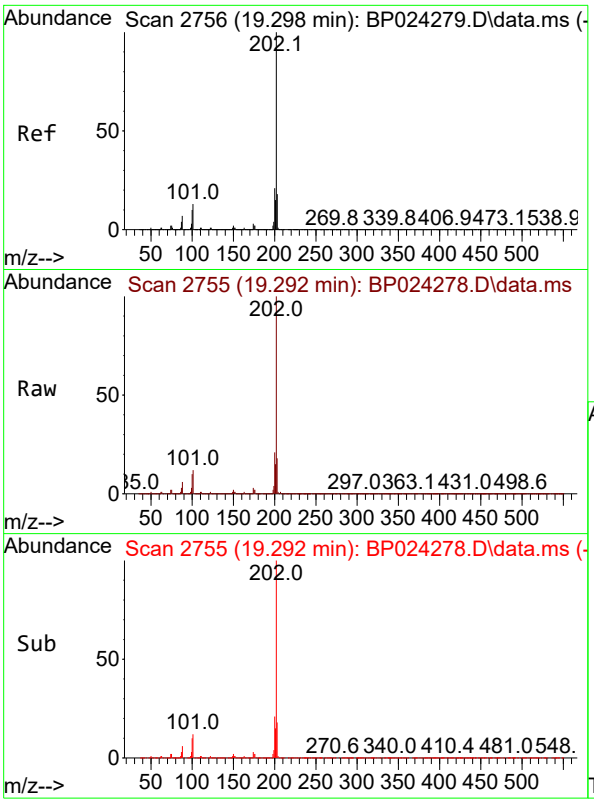


#74
Di-n-butylphthalate
Concen: 19.585 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1727074

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.9	5.9



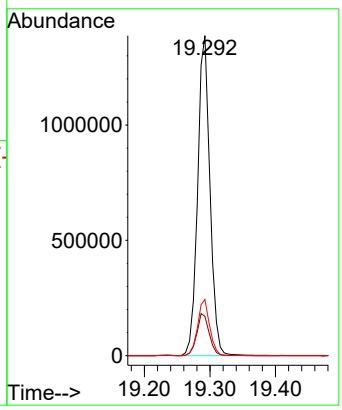


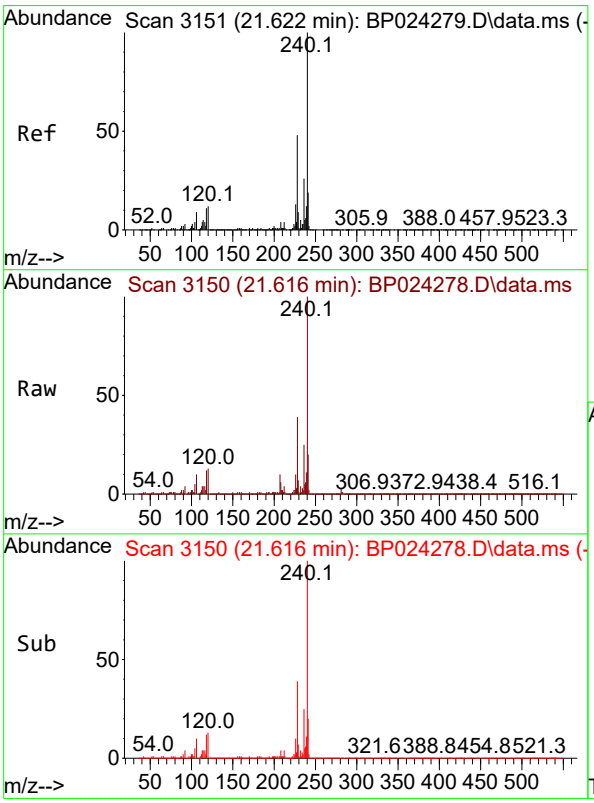
#75
Fluoranthene
Concen: 20.218 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1813662

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

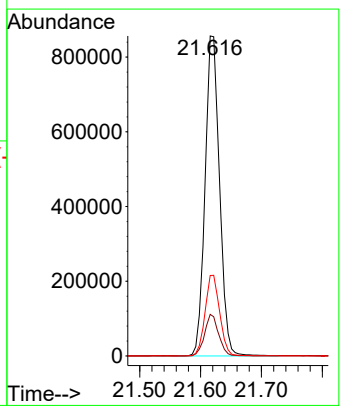


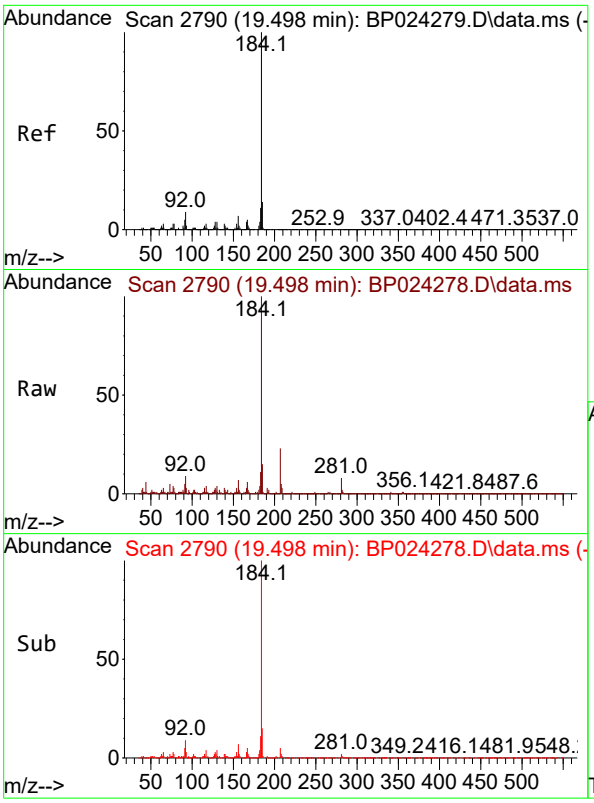


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:240 Resp: 1415765

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.8	14.8
236	25.2	20.9	31.3



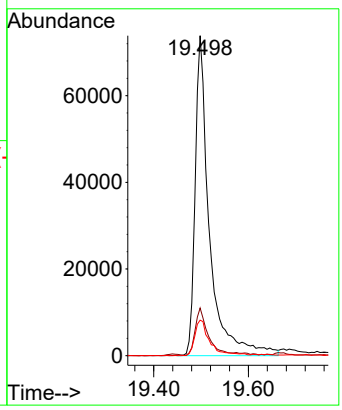


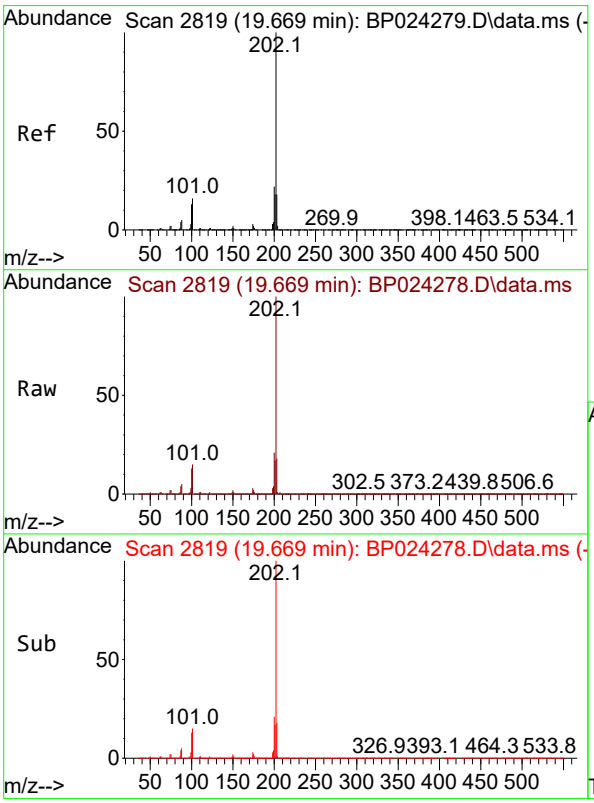
#77
Benzidine
Concen: 8.867 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 154964

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	9.2	13.8

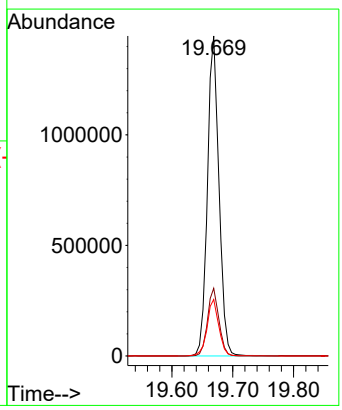


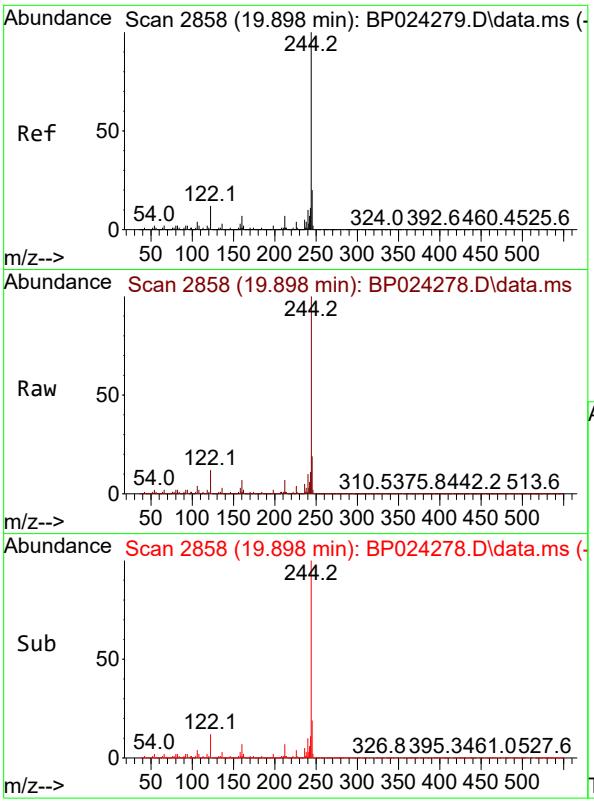


#78
Pyrene
Concen: 21.028 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:202 Resp: 1904884

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.4	21.6



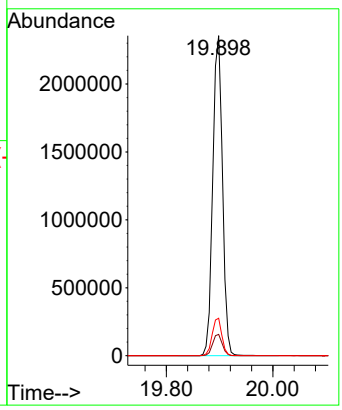


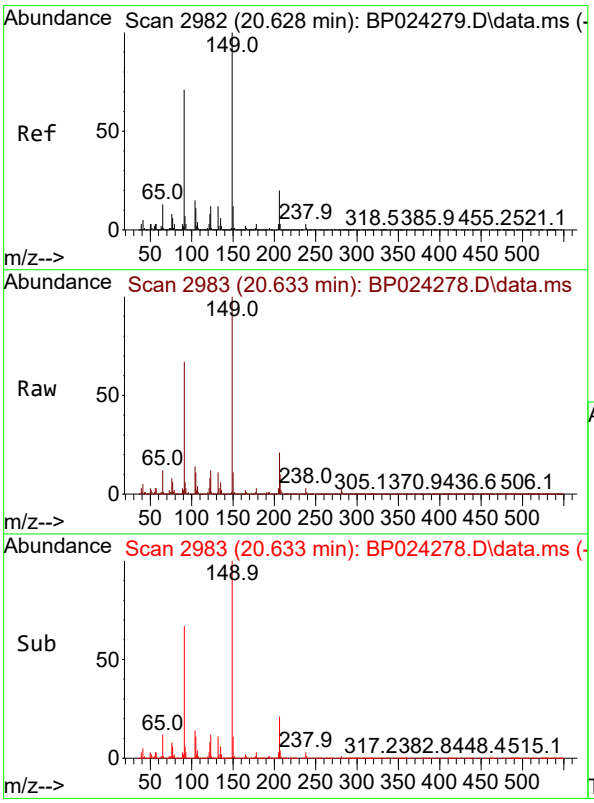
#79
Terphenyl-d14
Concen: 42.062 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2987245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	9.4	14.0

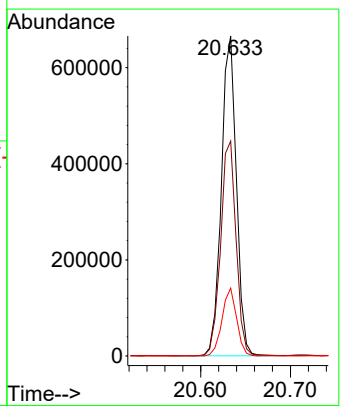


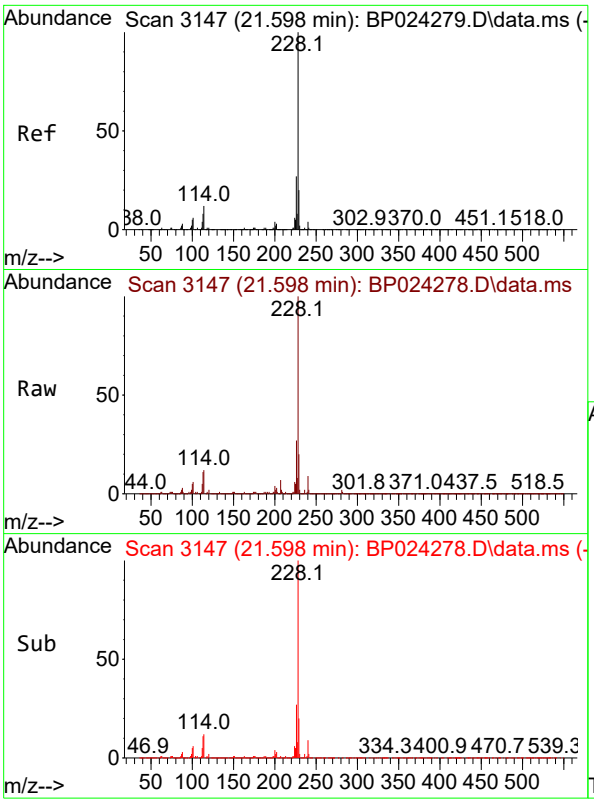


#80
Butylbenzylphthalate
Concen: 20.235 ng
RT: 20.633 min Scan# 2983
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 772776

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	21.2	16.3	24.5



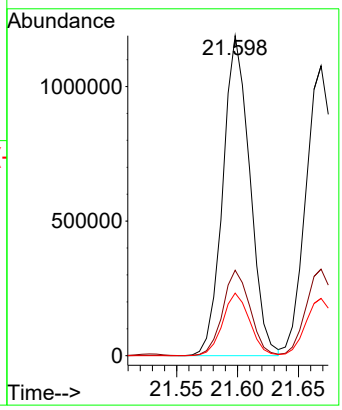


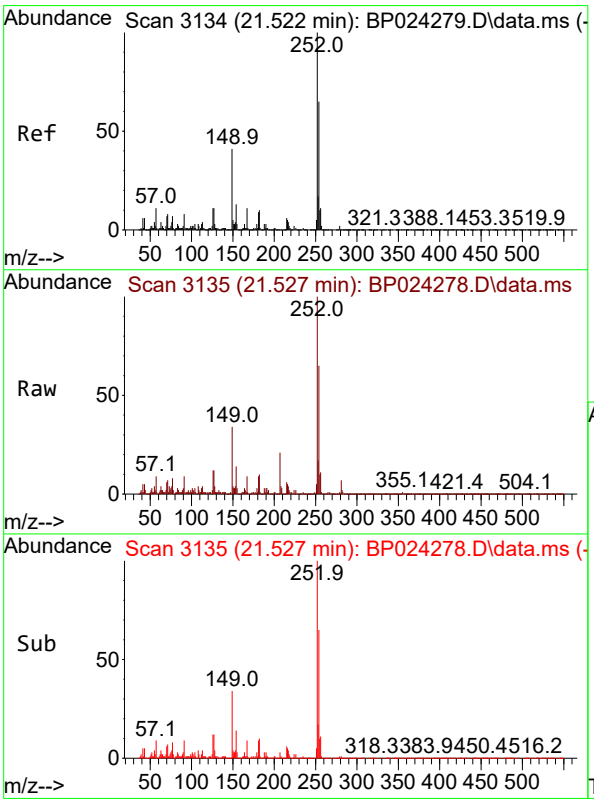
#81
Benzo(a)anthracene
Concen: 20.732 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1829798

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.9	23.9

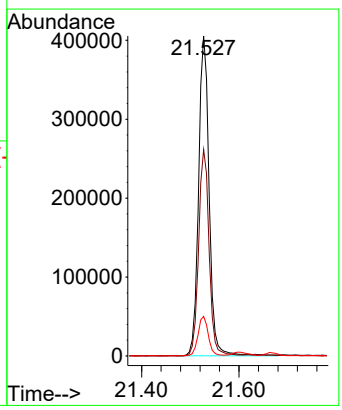


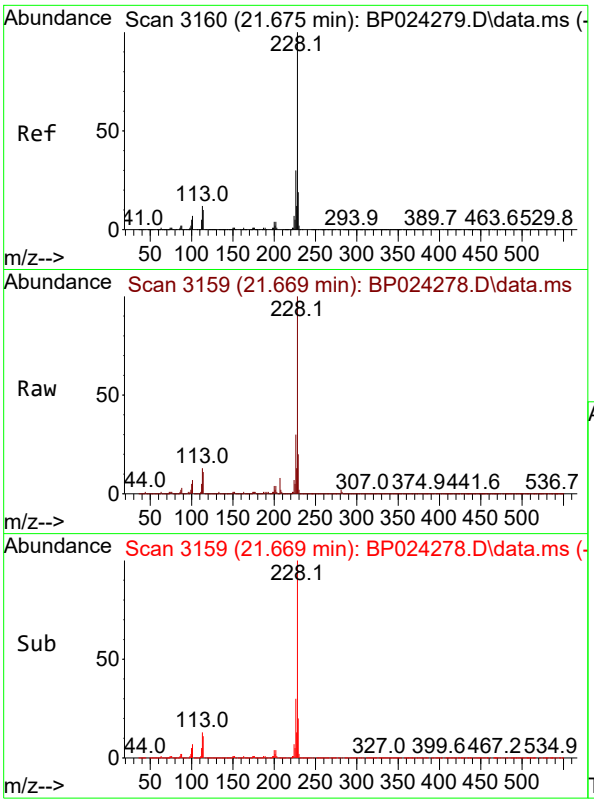


#82
3,3'-Dichlorobenzidine
Concen: 19.956 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 610749

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	12.4	8.8	13.2



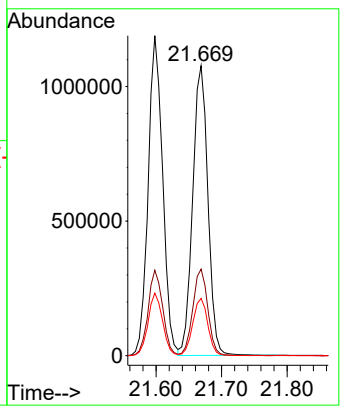


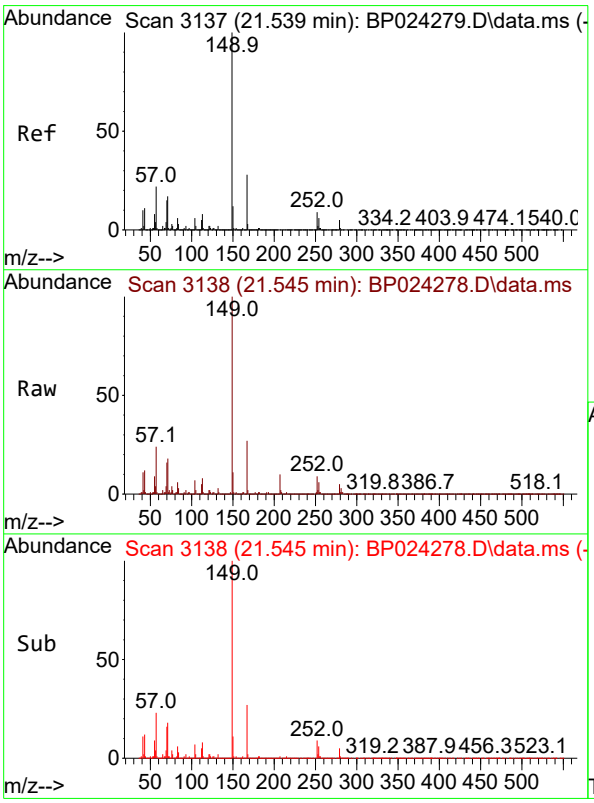
#83
Chrysene
Concen: 20.565 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1739548

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.8	15.6	23.4

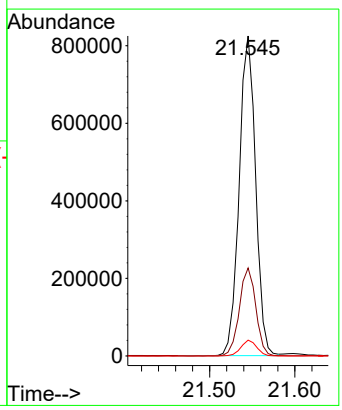


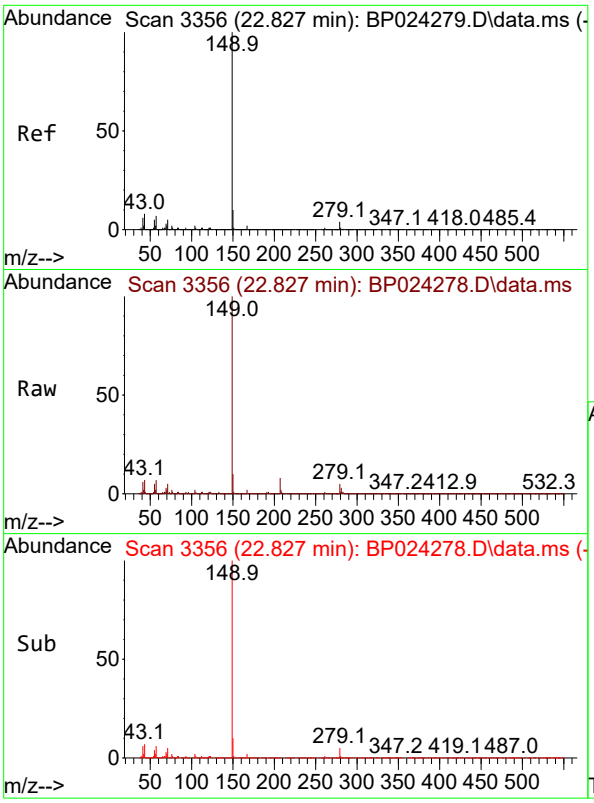


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.616 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1103263

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.4	33.6
279	4.9	4.0	6.0



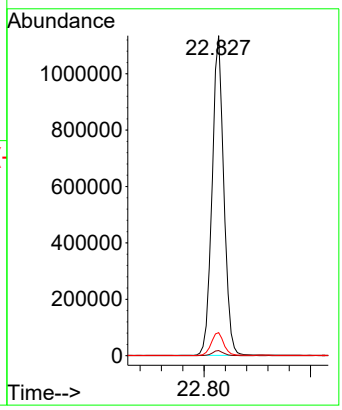


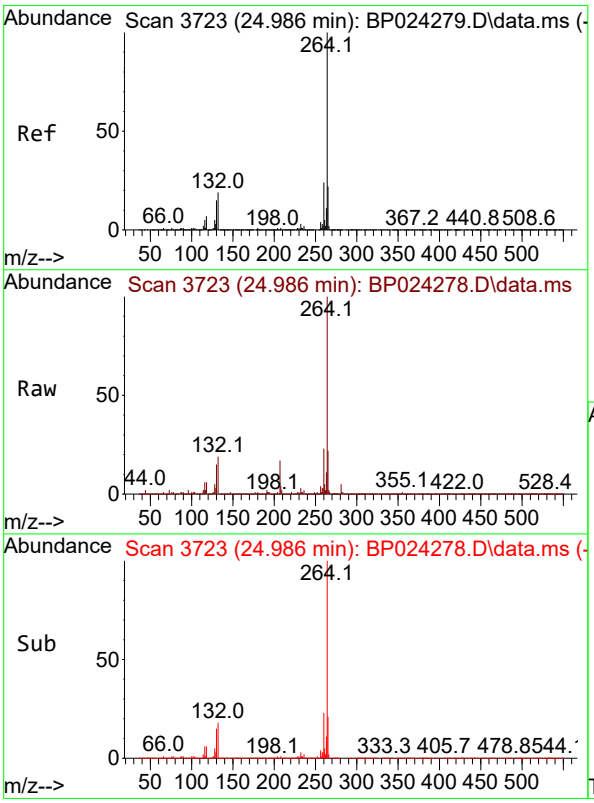
#85
Di-n-octyl phthalate
Concen: 19.207 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1730436

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

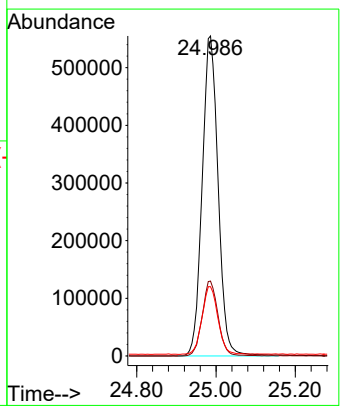


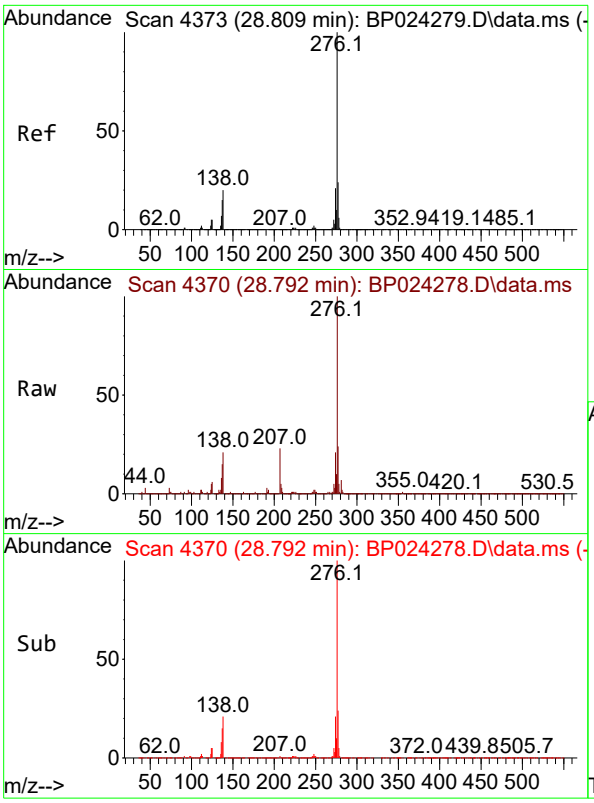


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:264 Resp: 1549781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.8	26.6



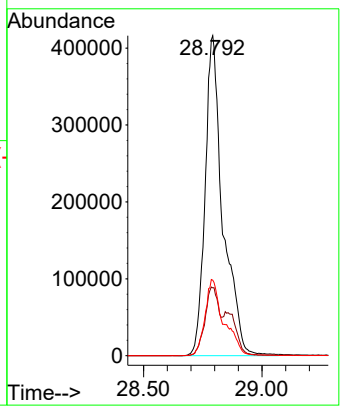


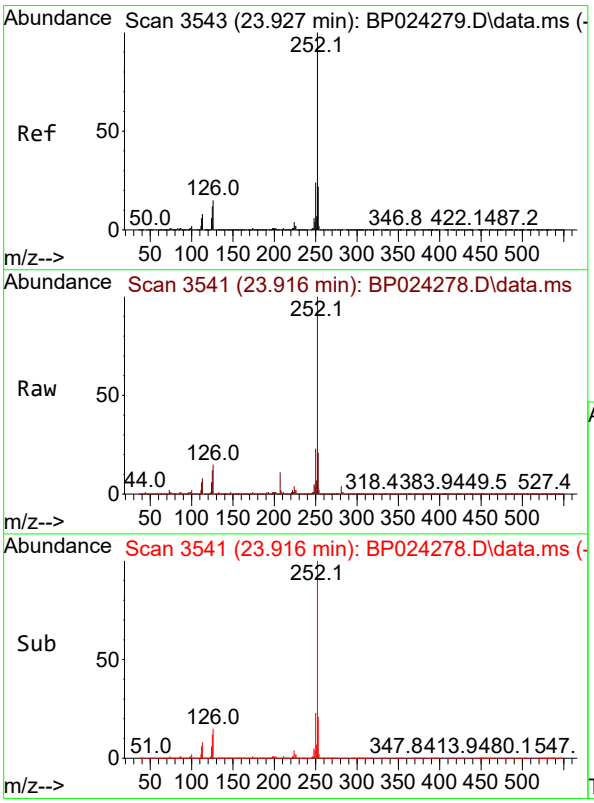
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.454 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2180177

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	25.2	20.2	30.2

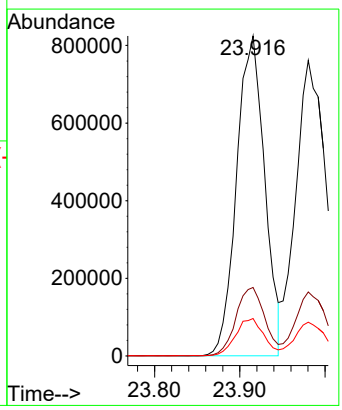


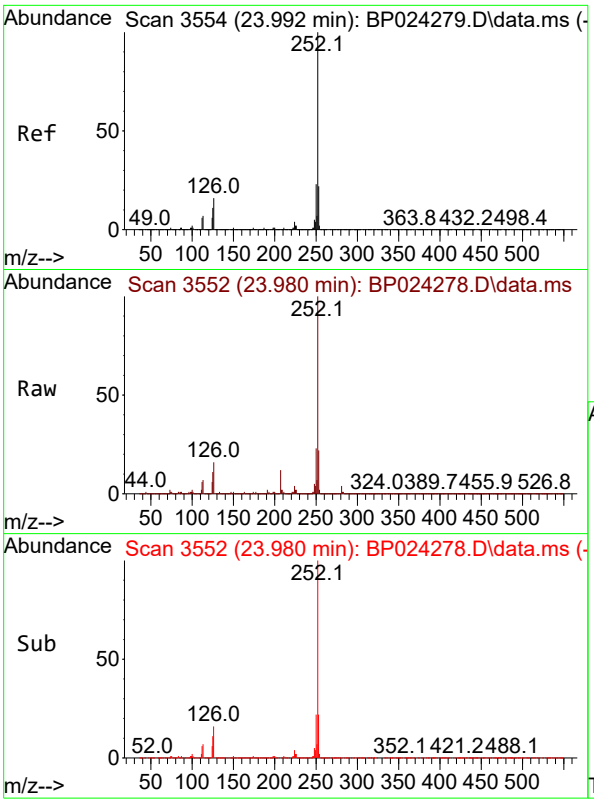


#88
Benzo(b)fluoranthene
Concen: 20.337 ng
RT: 23.916 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1885654

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.7	9.4	14.0



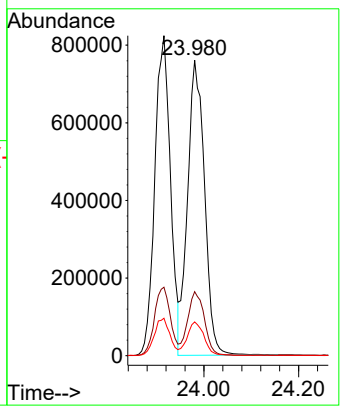


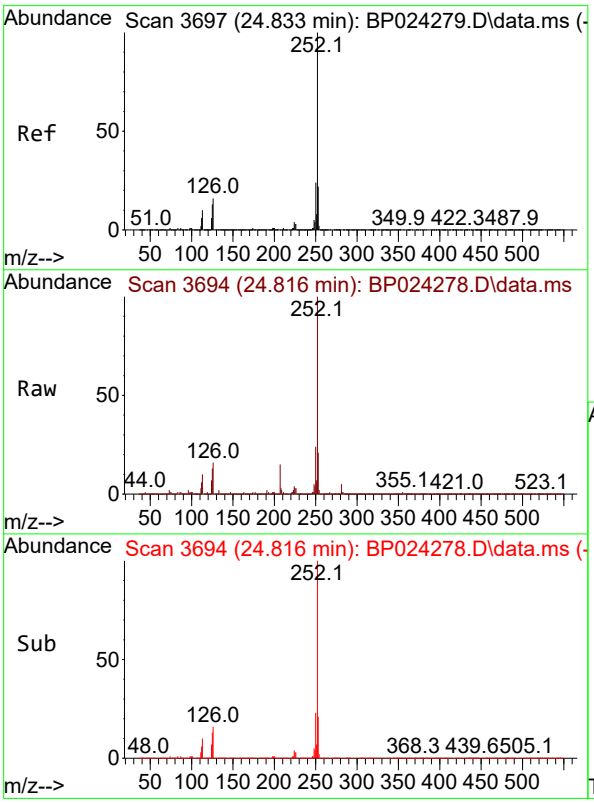
#89
Benzo(k)fluoranthene
Concen: 20.955 ng
RT: 23.980 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1885747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.4	9.1	13.7

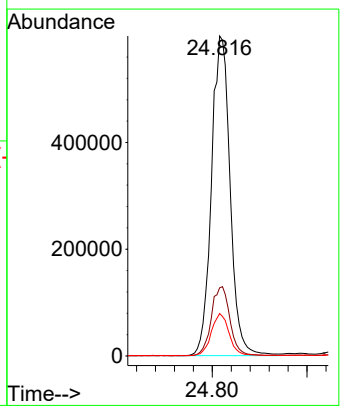


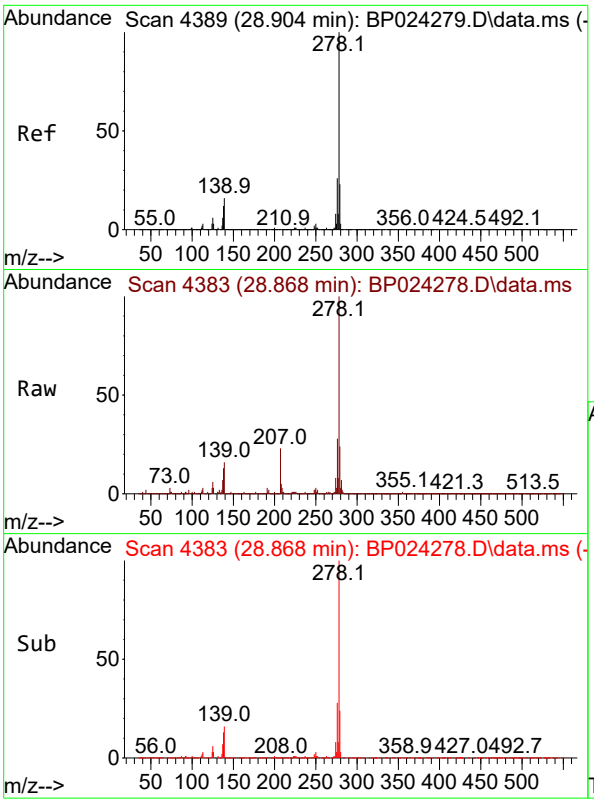


#90
Benzo(a)pyrene
Concen: 20.518 ng
RT: 24.816 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1637648

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.2	10.1	15.1



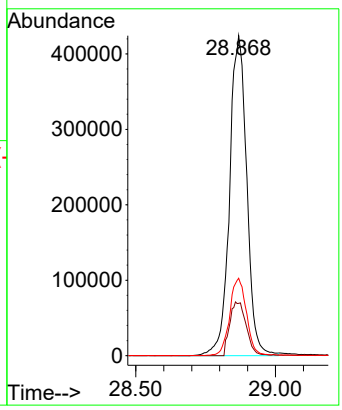


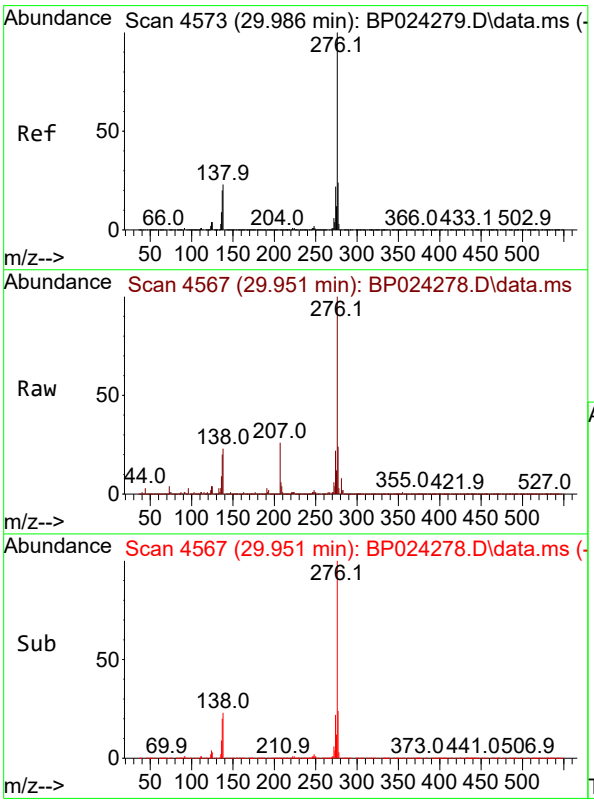
#91
Dibenzo(a,h)anthracene
Concen: 20.480 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1815743

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.2	18.5	27.7

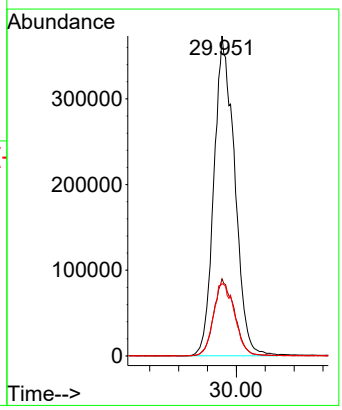




#92
Benzo(g,h,i)perylene
Concen: 20.571 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:276 Resp: 1856380

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.6	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

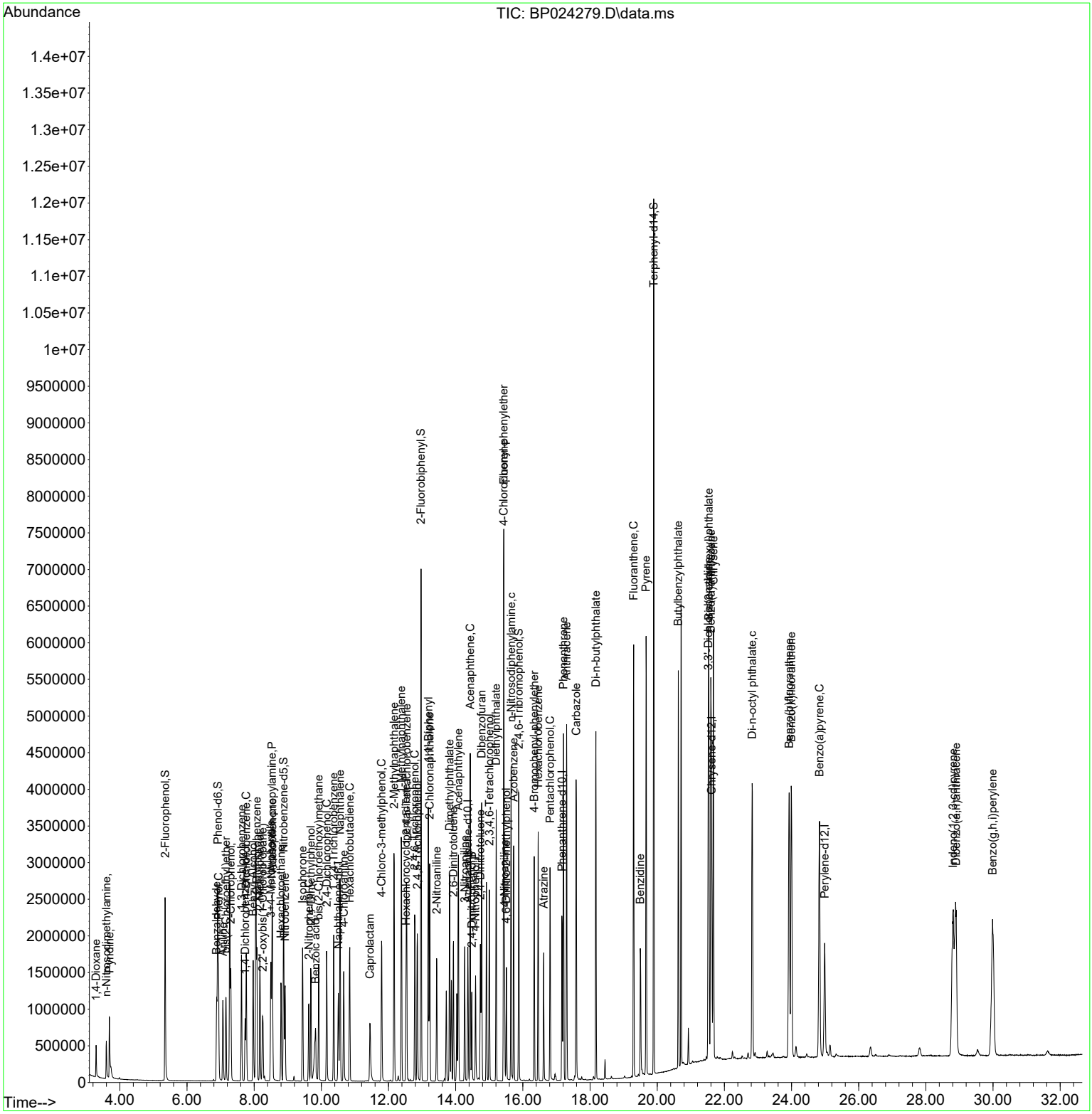
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

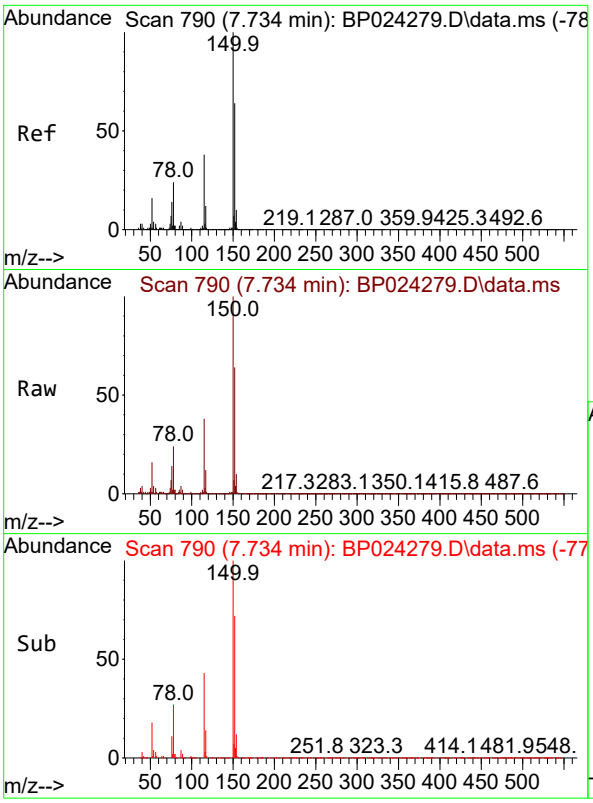
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



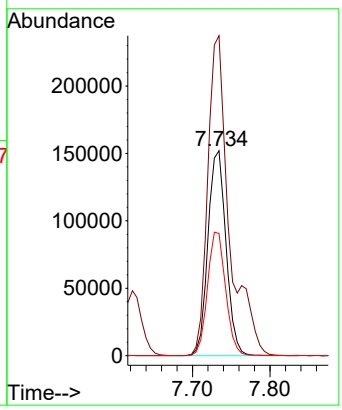


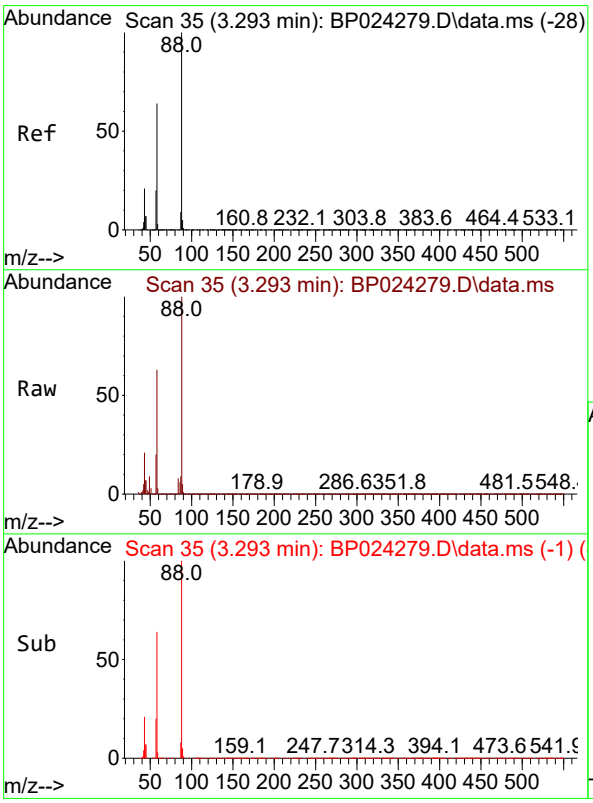
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 246363

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	59.6	47.7	71.5

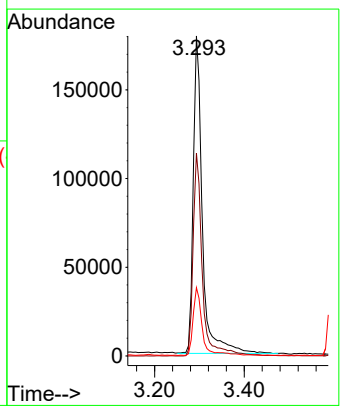


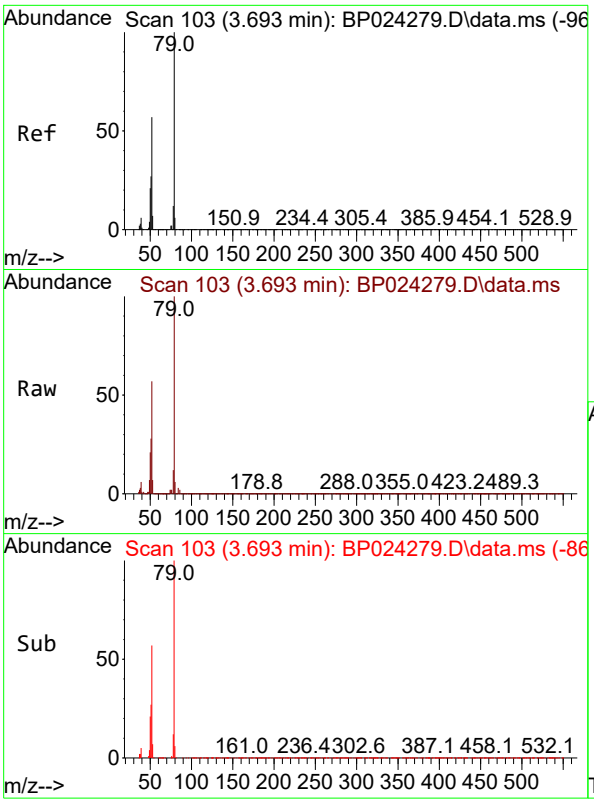


#2
1,4-Dioxane
Concen: 39.624 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 88 Resp: 252519

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	21.4	17.1	25.7



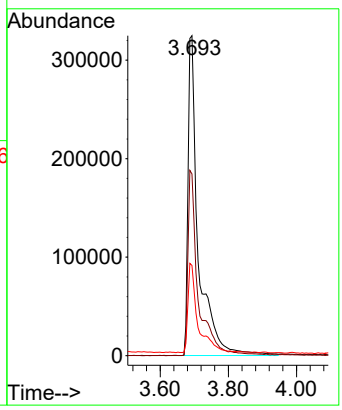


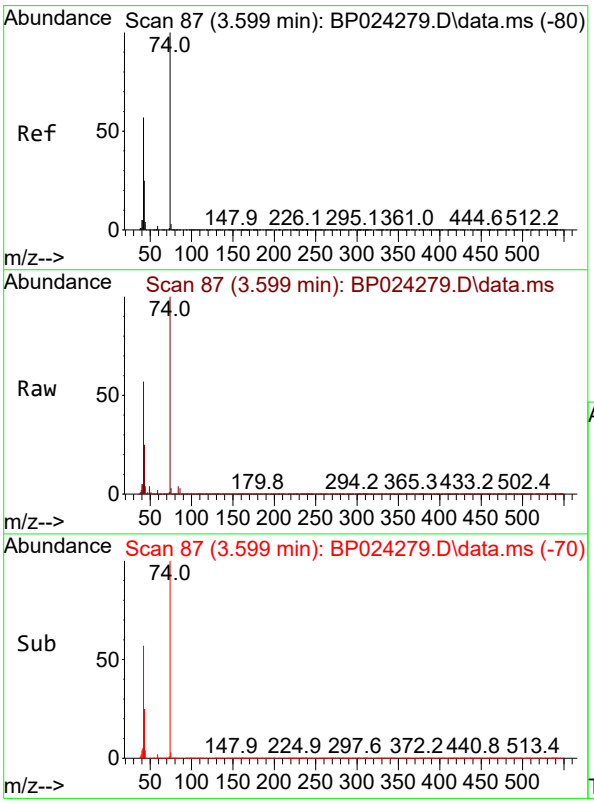
#3
Pyridine
Concen: 41.457 ng
RT: 3.693 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 687730

Ion	Ratio	Lower	Upper
79	100		
52	56.8	45.4	68.2
51	28.2	22.6	33.8

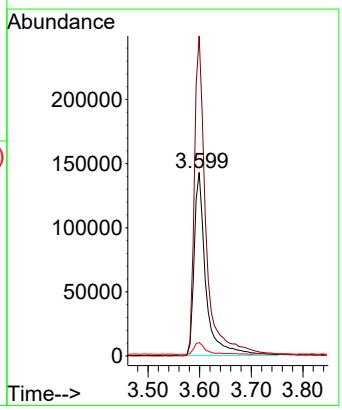


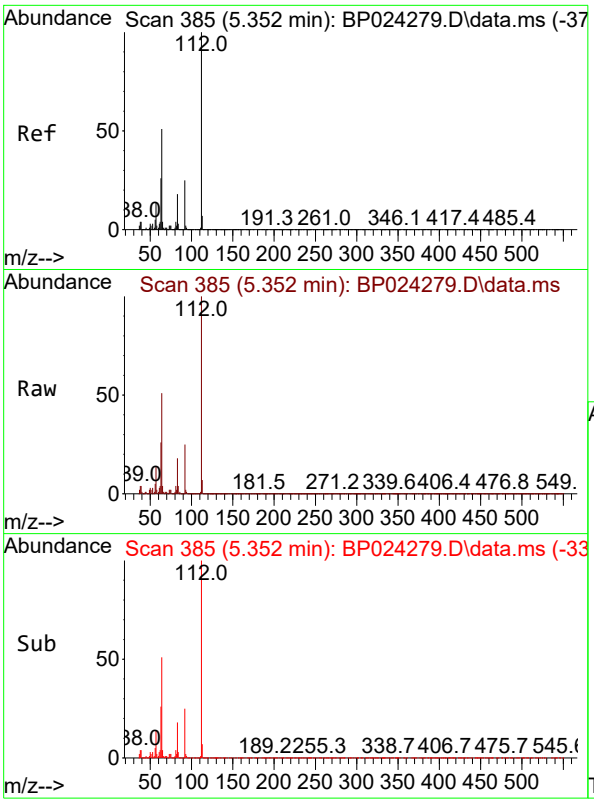


#4
n-Nitrosodimethylamine
Concen: 40.725 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 42 Resp: 225273

Ion	Ratio	Lower	Upper
42	100		
74	174.4	139.5	209.3
44	7.3	5.8	8.8



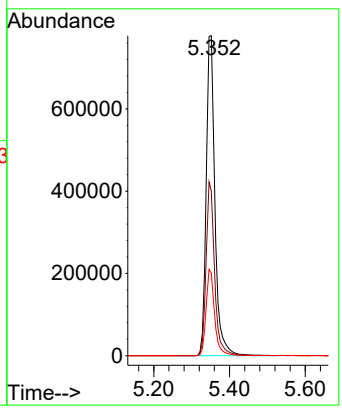


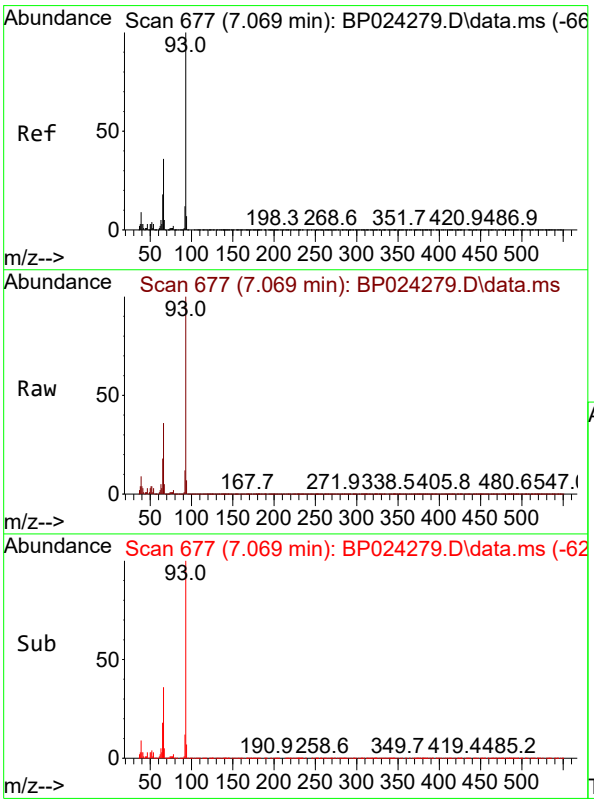
#5
2-Fluorophenol
Concen: 82.813 ng
RT: 5.352 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1236220

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	25.7	20.6	30.8

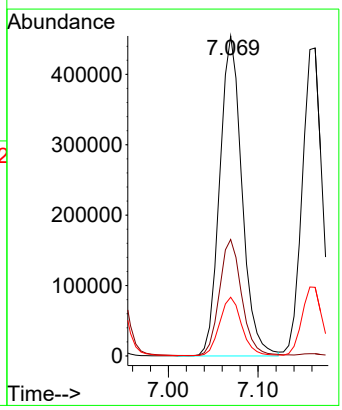


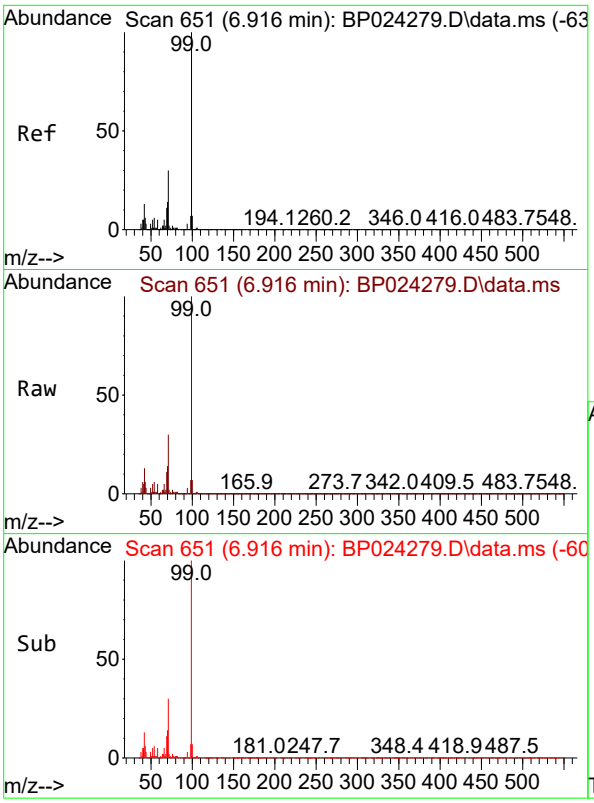


#6
Aniline
Concen: 42.413 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 781907

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.4	14.7	22.1



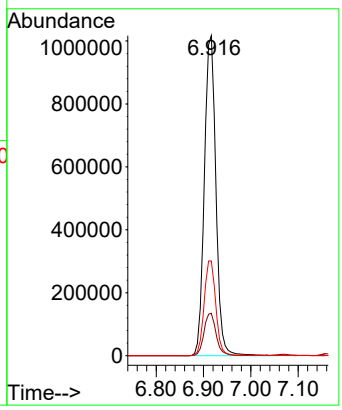


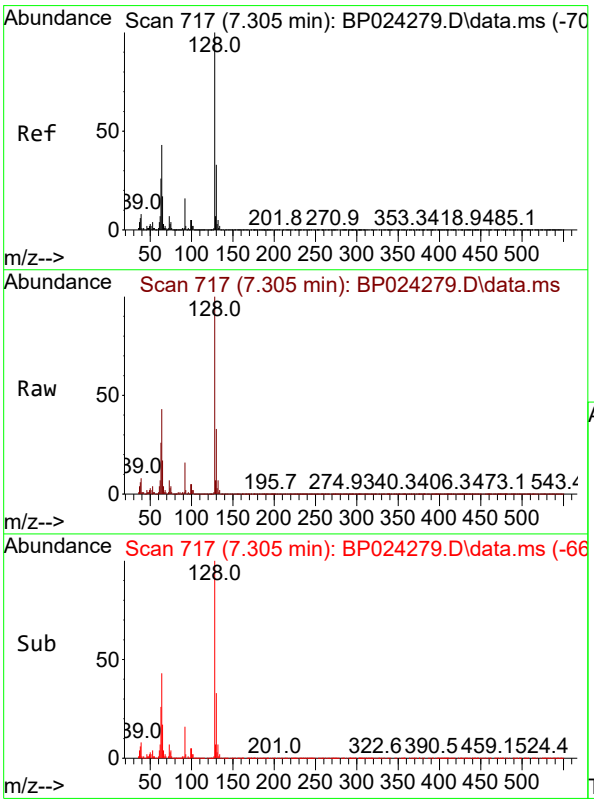
#7
Phenol-d6
Concen: 84.332 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1722202

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.7	35.5

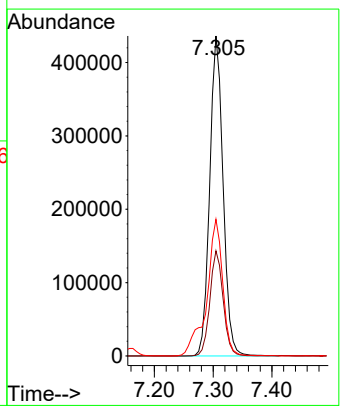


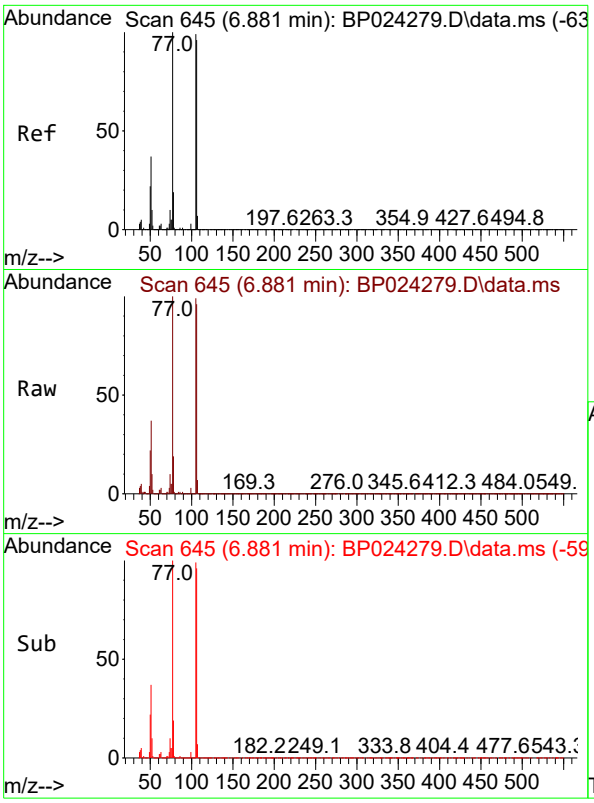


#8
2-Chlorophenol
Concen: 41.317 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:128 Resp: 689257

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.7	22.7	62.7



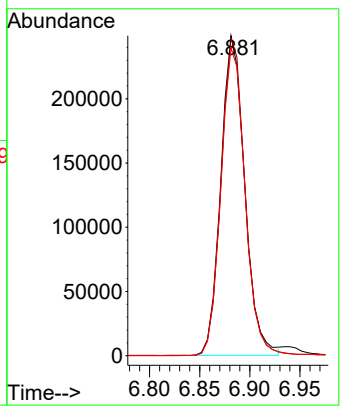


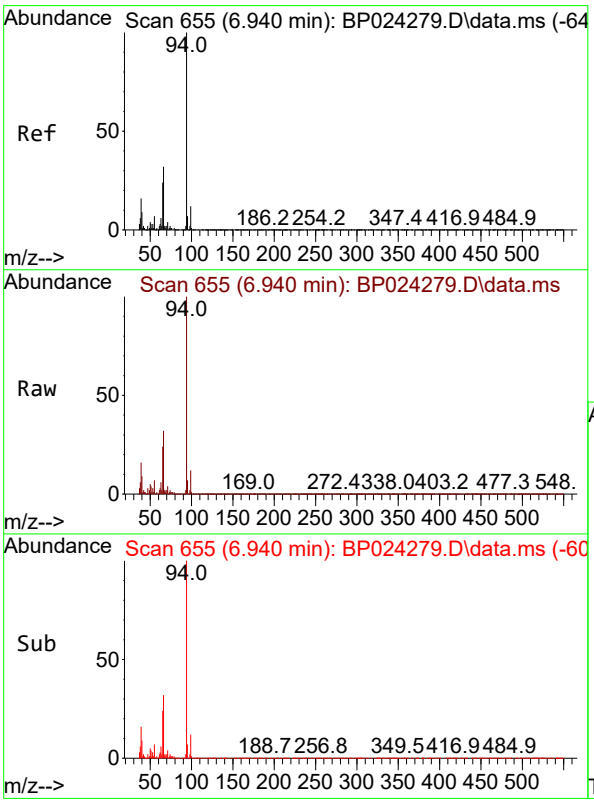
#9
Benzaldehyde
Concen: 38.937 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 411846

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.2	119.2
106	96.2	76.2	116.2

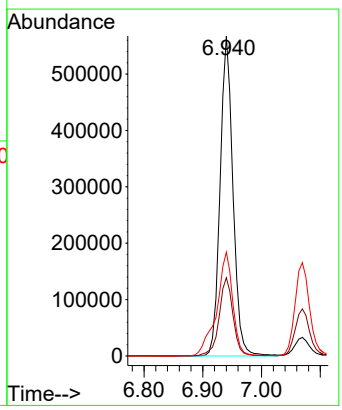


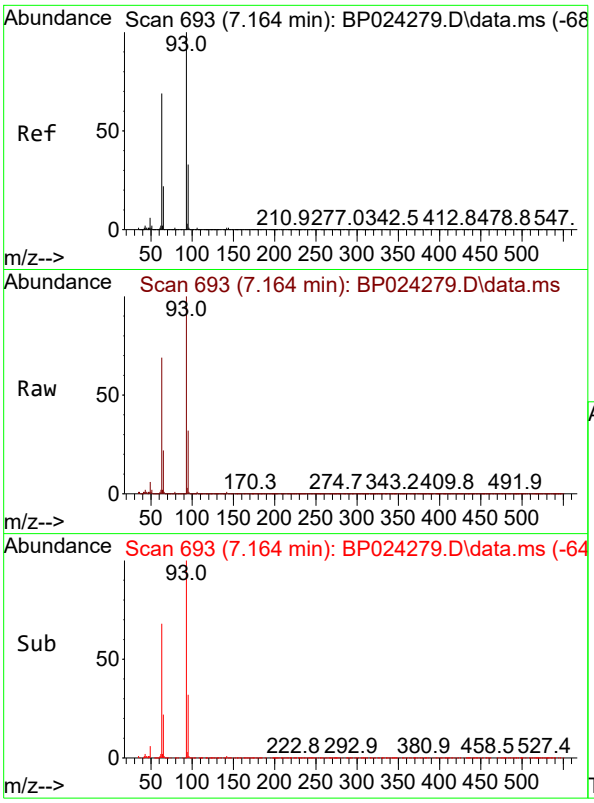


#10
Phenol
Concen: 42.050 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 94 Resp: 862244

Ion	Ratio	Lower	Upper
94	100		
65	24.5	4.5	44.5
66	32.4	12.4	52.4



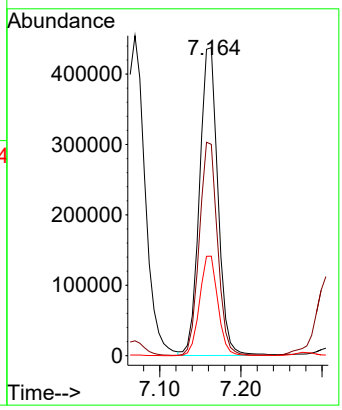


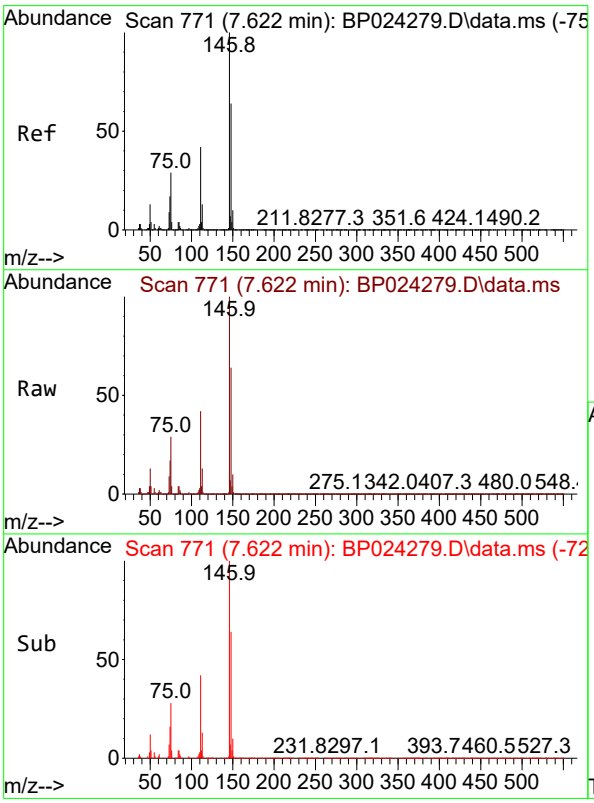
#11
bis(2-Chloroethyl)ether
Concen: 41.581 ng
RT: 7.164 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688989

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	32.3	12.3	52.3

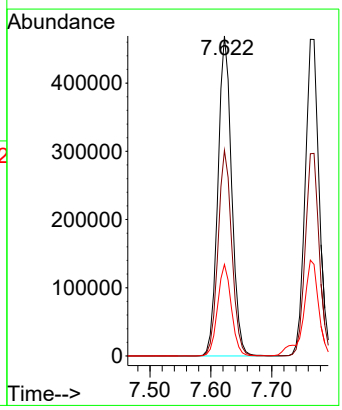


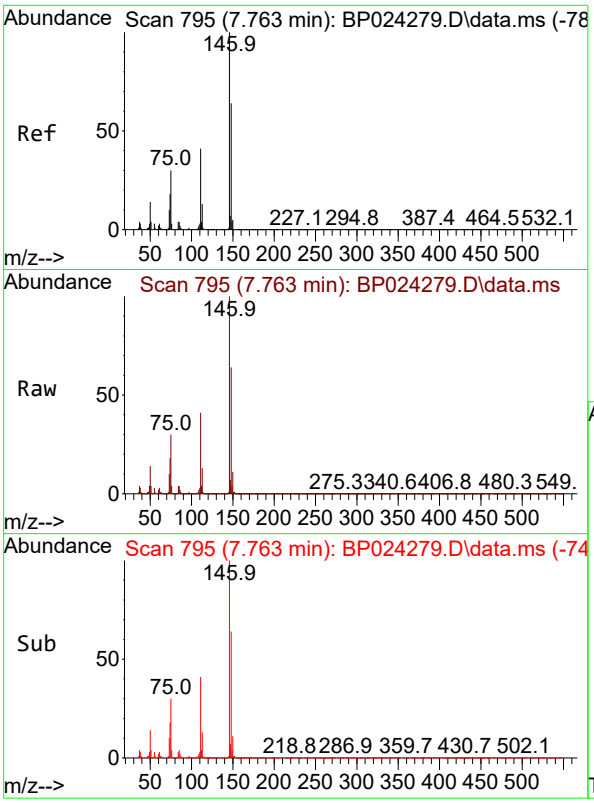


#12
1,3-Dichlorobenzene
Concen: 40.516 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 732329

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.6	22.9	34.3



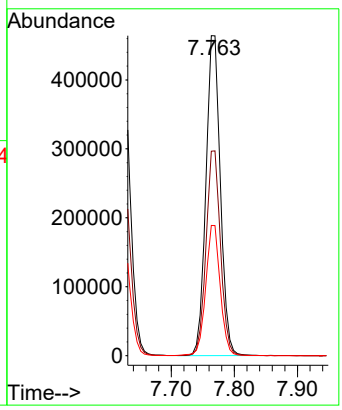


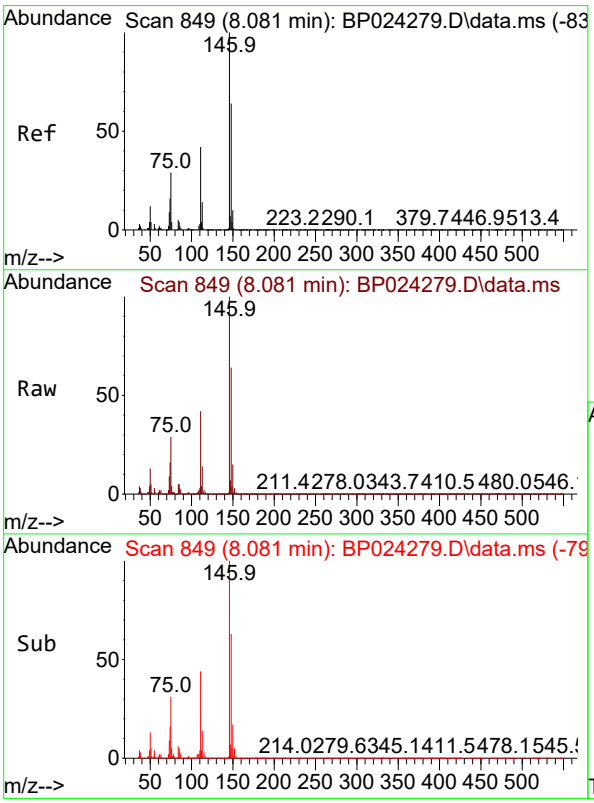
#13
1,4-Dichlorobenzene
Concen: 40.171 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 736270

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.7	32.6	48.8

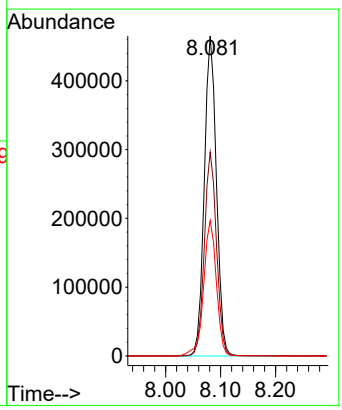


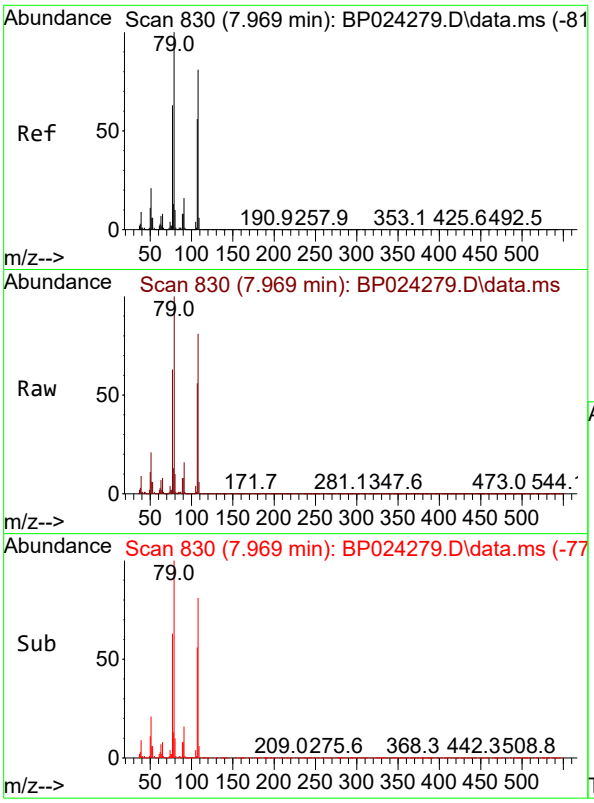


#14
1,2-Dichlorobenzene
Concen: 40.172 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 711951

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



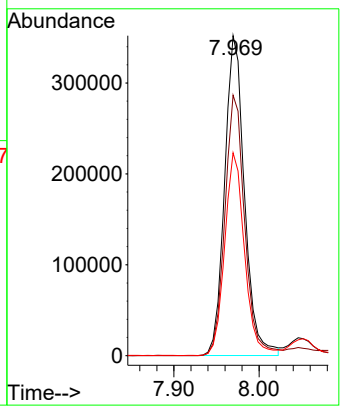


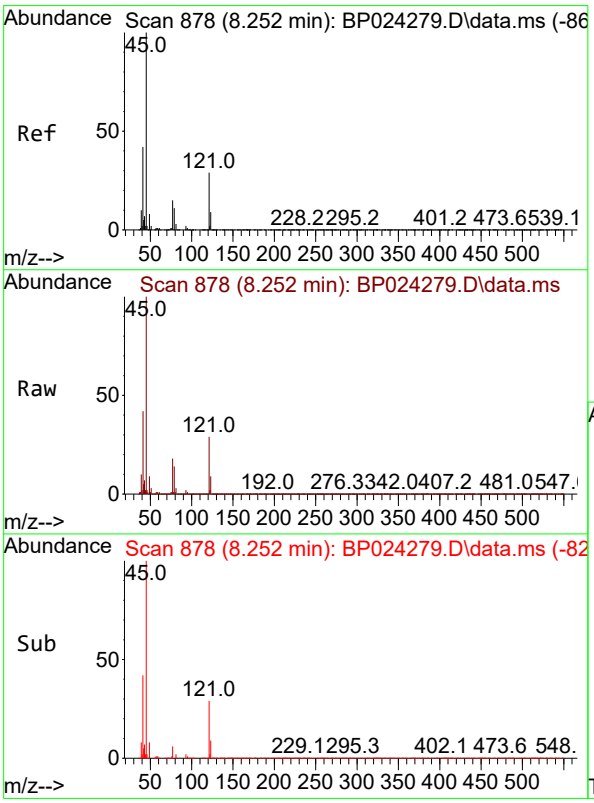
#15
Benzyl Alcohol
Concen: 43.581 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570437

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.4	50.7	76.1

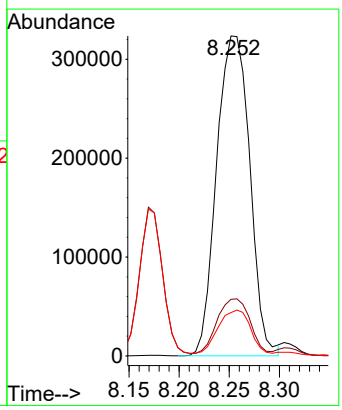


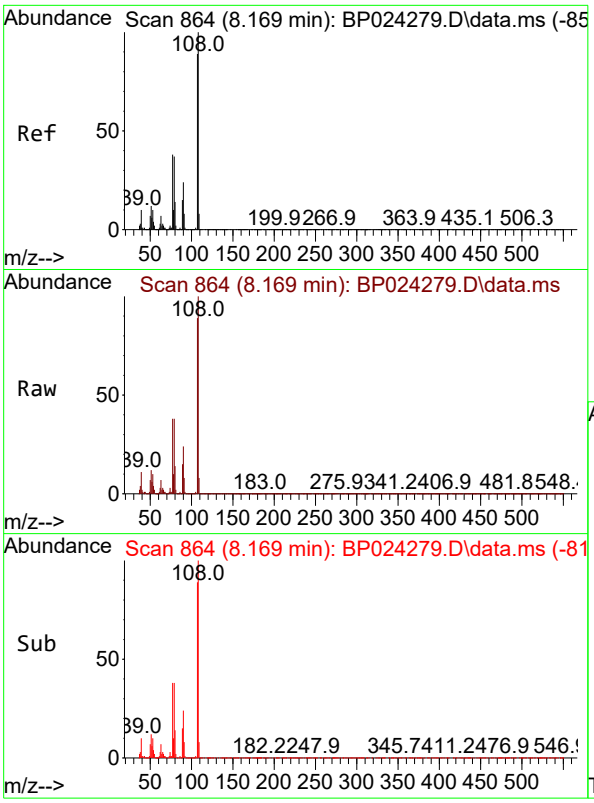


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.386 ng
RT: 8.252 min Scan# 878
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 45 Resp: 746041

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.5	0.0	33.5



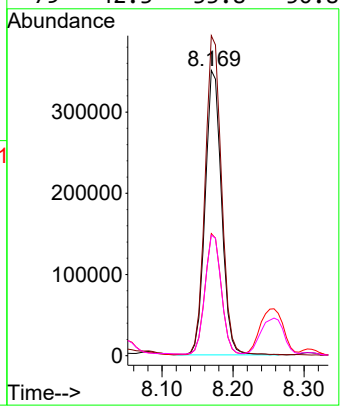


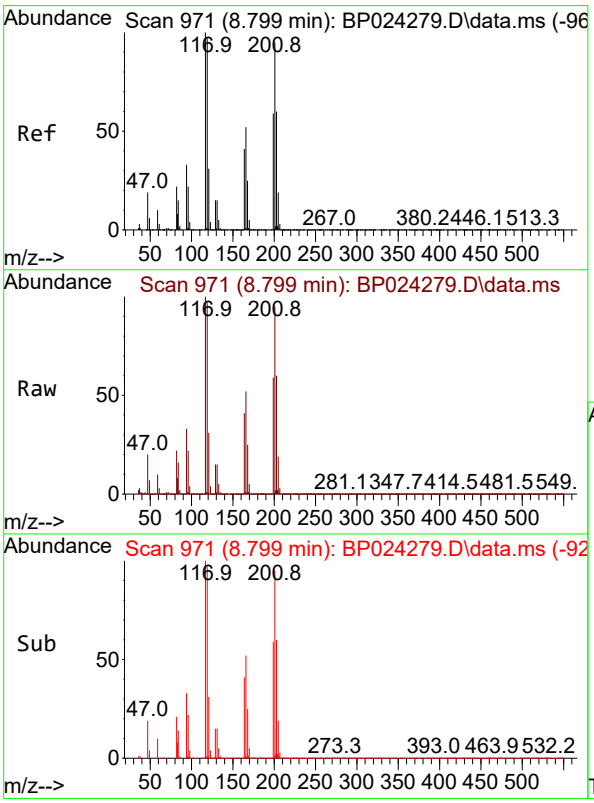
#17
2-Methylphenol
Concen: 42.503 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 561621

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.8	134.6
77	42.8	34.2	51.4
79	42.3	33.8	50.8

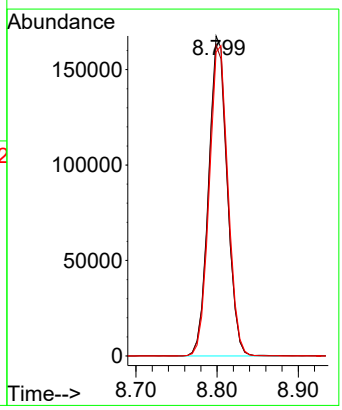


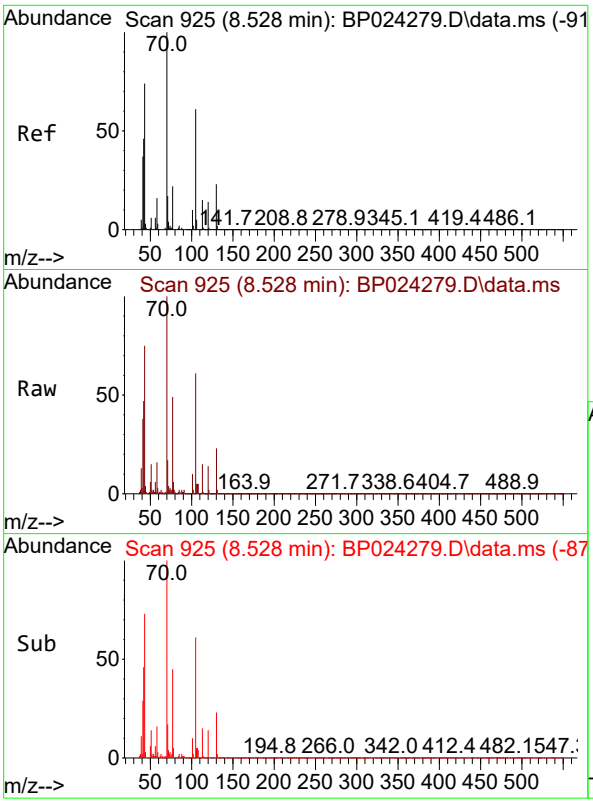


#18
Hexachloroethane
Concen: 40.349 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:117 Resp: 266915

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
201	94.9	75.9	113.9



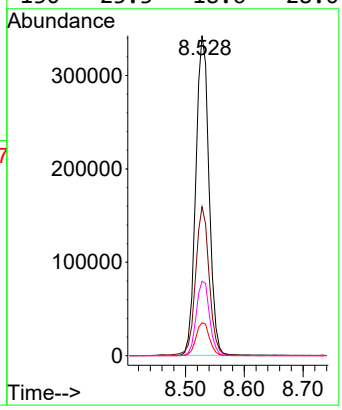


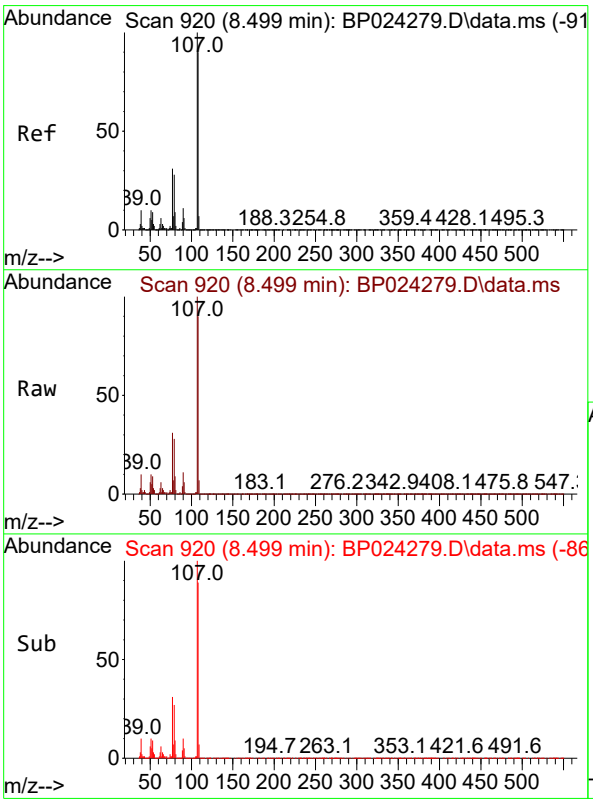
#19
n-Nitroso-di-n-propylamine
Concen: 42.092 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 533912

Ion	Ratio	Lower	Upper
70	100		
42	46.6	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

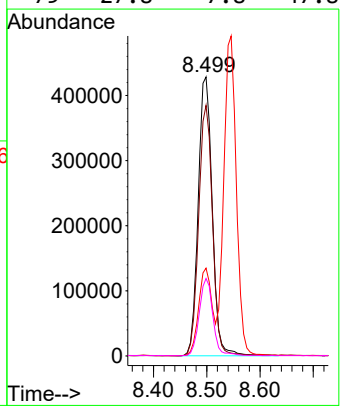


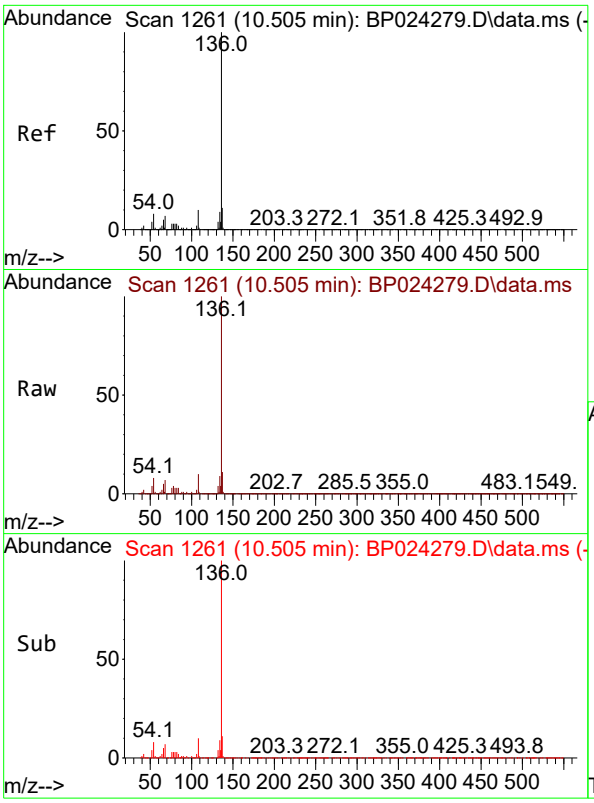


#20
3+4-Methylphenols
Concen: 42.854 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 784336

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	31.5	11.5	51.5
79	27.8	7.8	47.8



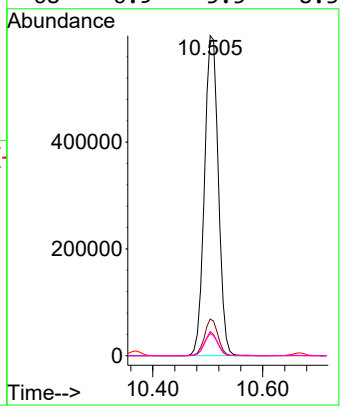


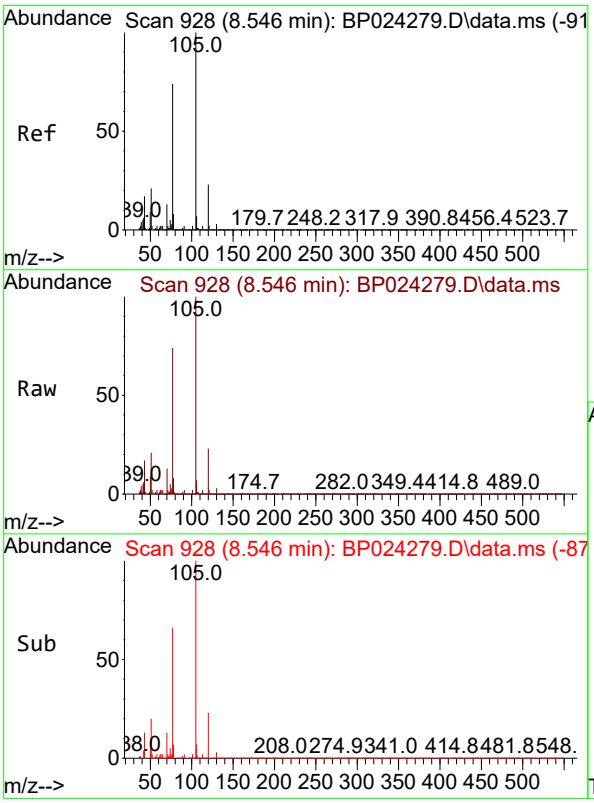
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1046876

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	6.9	5.5	8.3

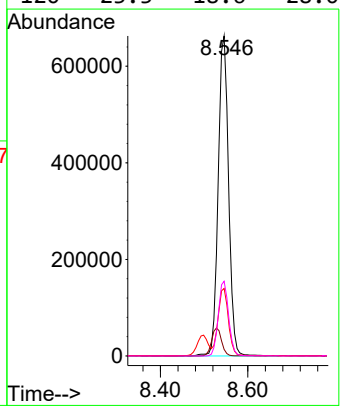


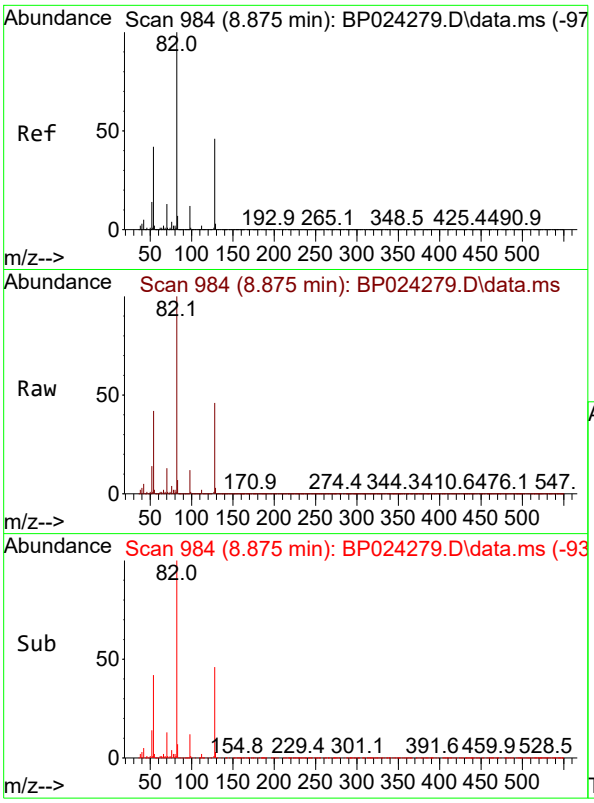


#22
Acetophenone
Concen: 41.770 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:105 Resp: 1086788

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.1	16.9	25.3
120	23.3	18.6	28.0



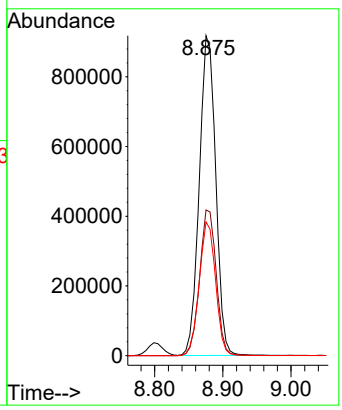


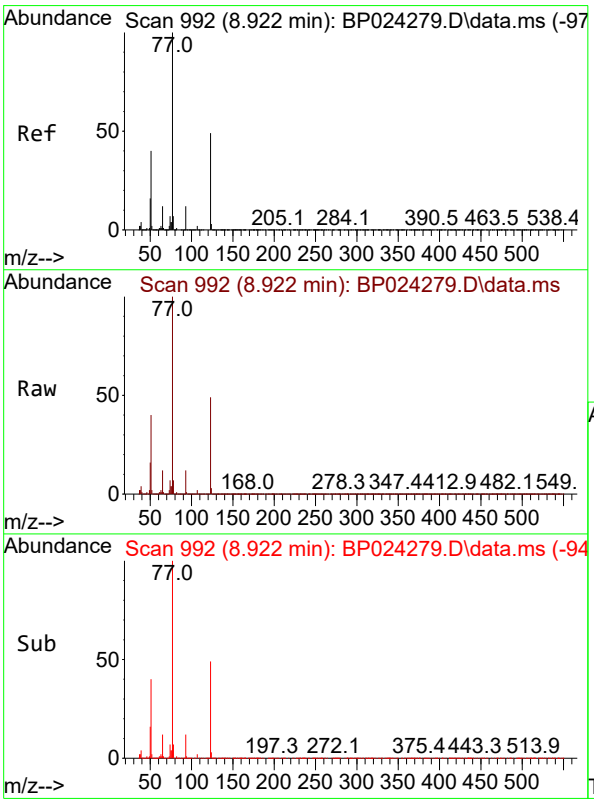
#23
Nitrobenzene-d5
Concen: 83.791 ng
RT: 8.875 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1540790

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	41.8	33.4	50.2

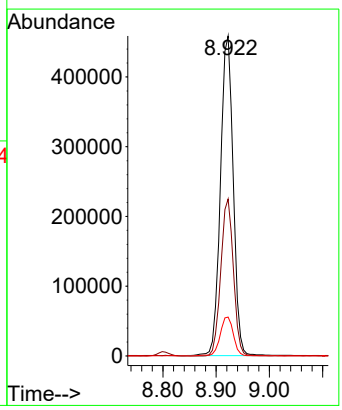


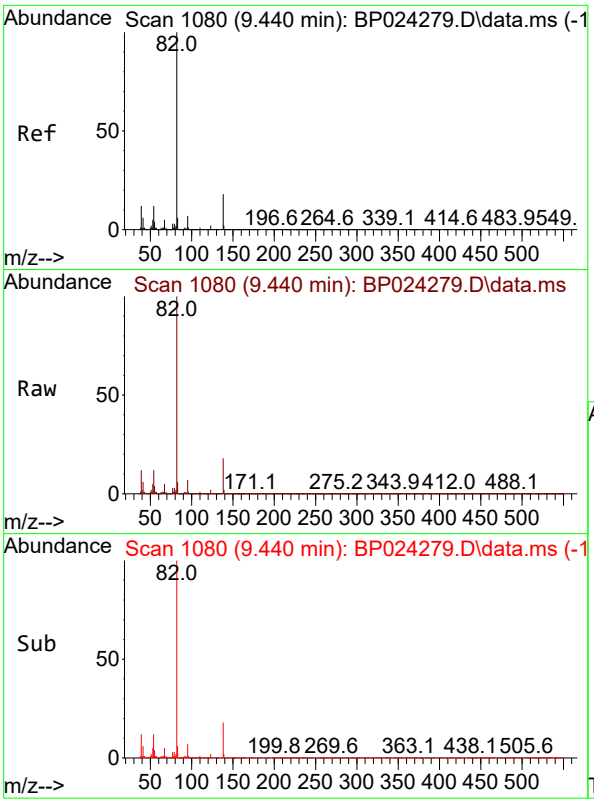


#24
Nitrobenzene
Concen: 41.852 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 77 Resp: 762756

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.2	9.8	14.6



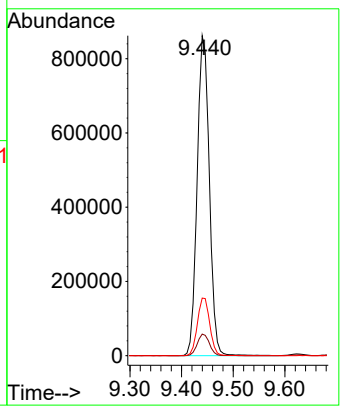


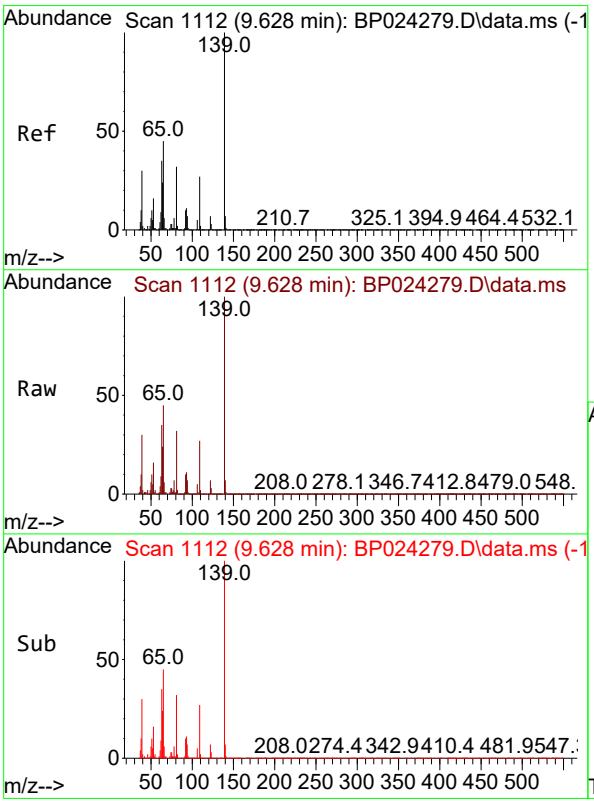
#25
Isophorone
Concen: 42.419 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1408146

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.0	14.4	21.6

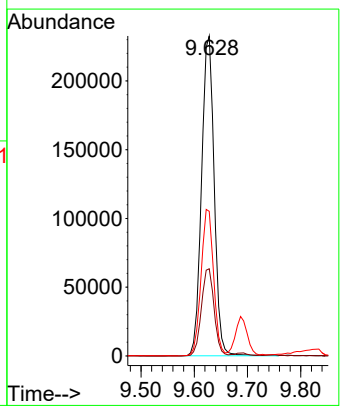


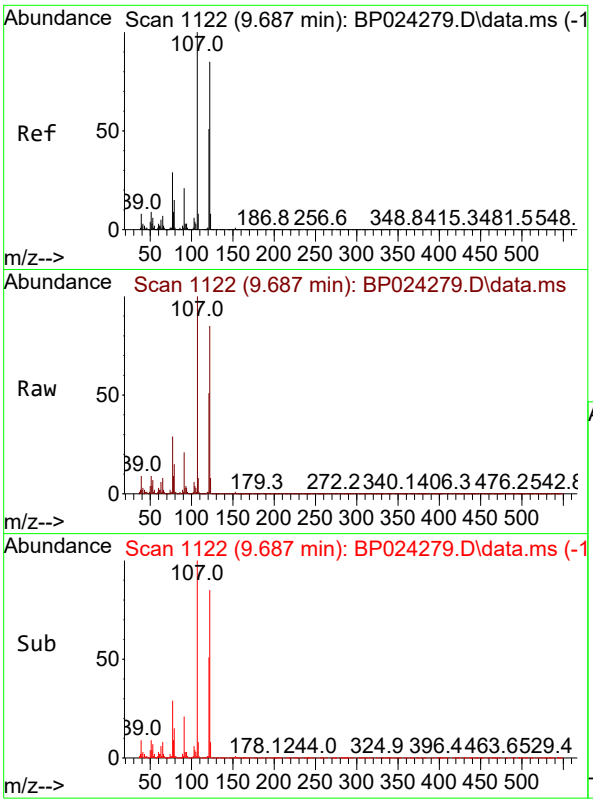


#26
2-Nitrophenol
Concen: 43.852 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 383751

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.8	32.6
65	45.2	36.2	54.2



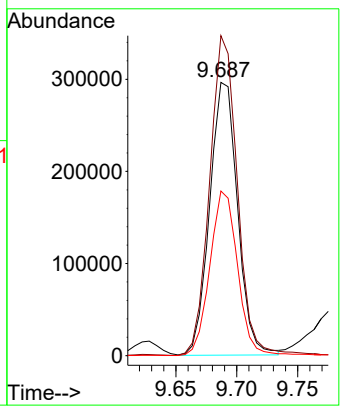


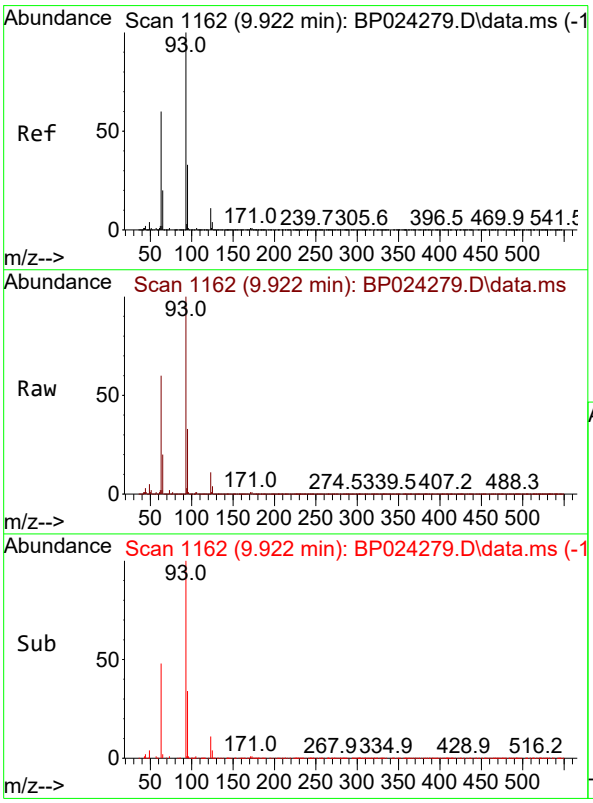
#27
2,4-Dimethylphenol
Concen: 42.600 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 472488

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	60.2	48.2	72.2

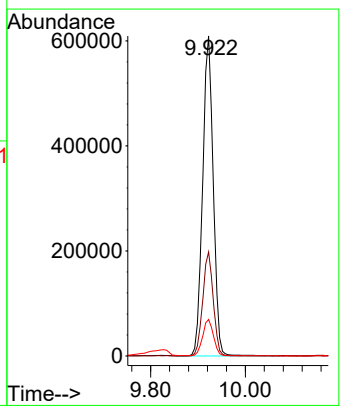


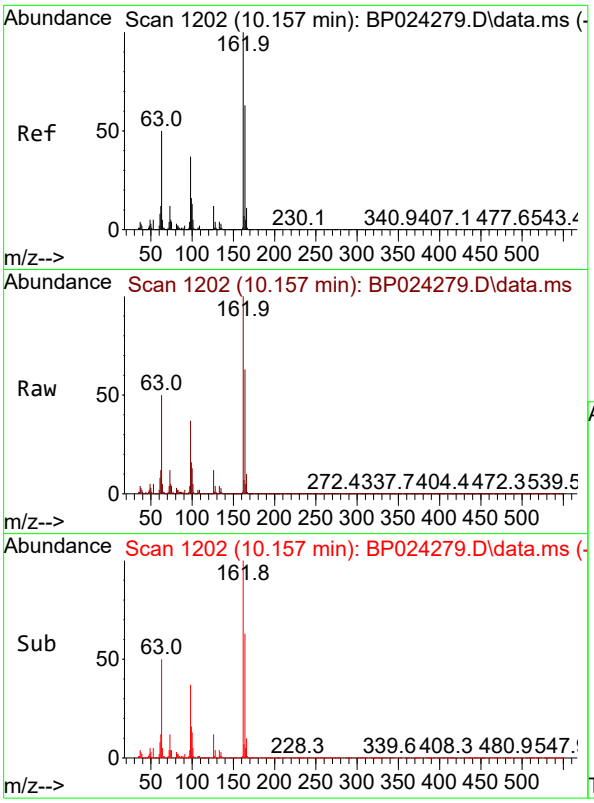


#28
bis(2-Chloroethoxy)methane
Concen: 41.926 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 947250

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.4	9.1	13.7



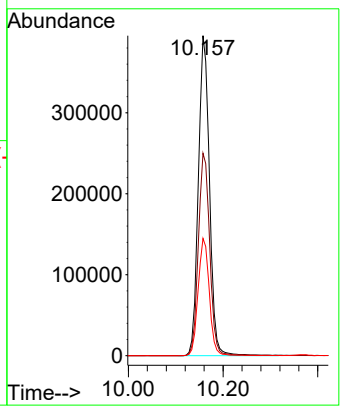


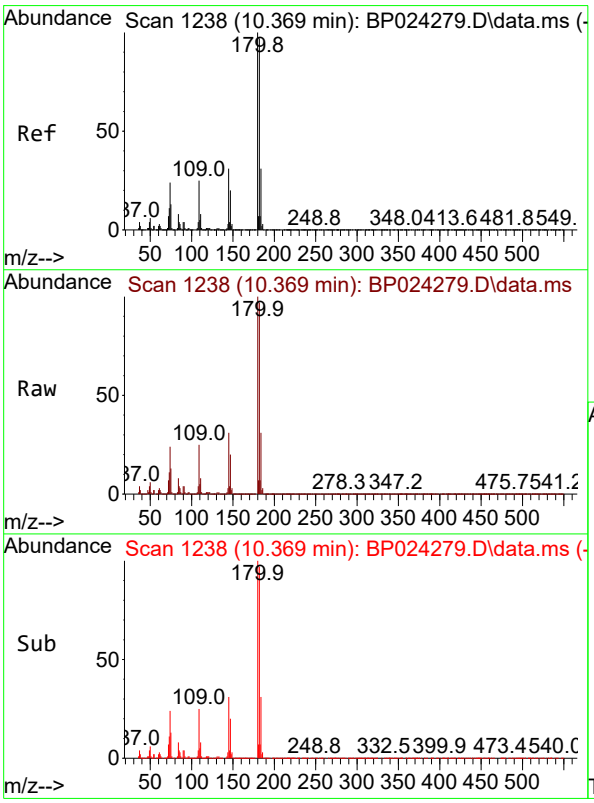
#29
2,4-Dichlorophenol
Concen: 42.725 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 645849

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.3	83.3
98	36.6	16.6	56.6

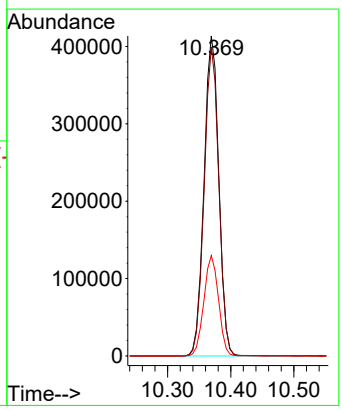


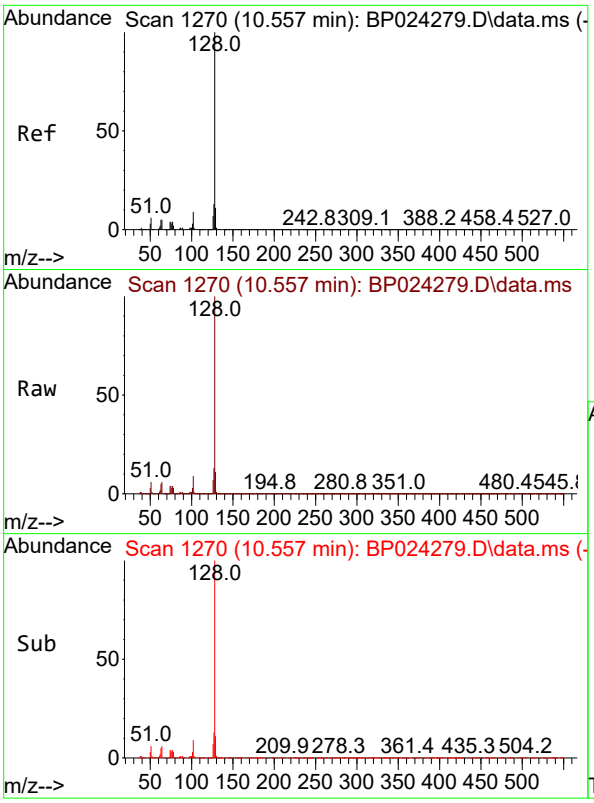


#30
1,2,4-Trichlorobenzene
Concen: 41.046 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:180 Resp: 671264

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.4	25.1	37.7



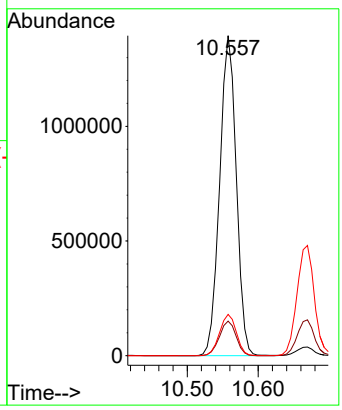


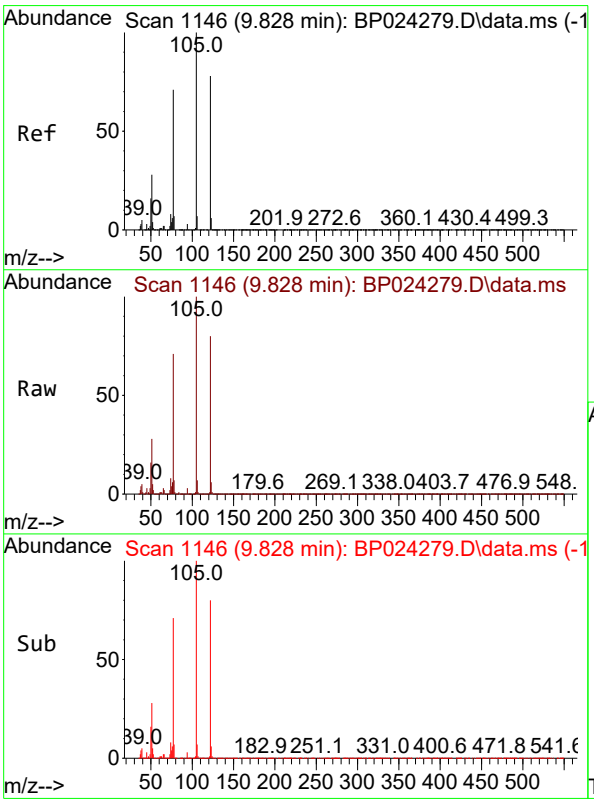
#31
Naphthalene
Concen: 40.765 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2258924

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.3	15.5

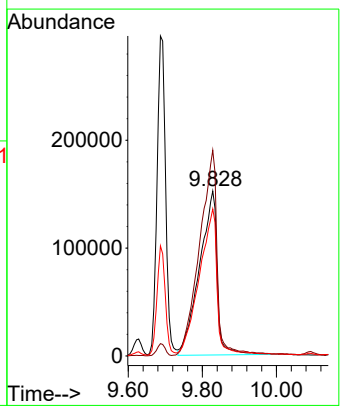


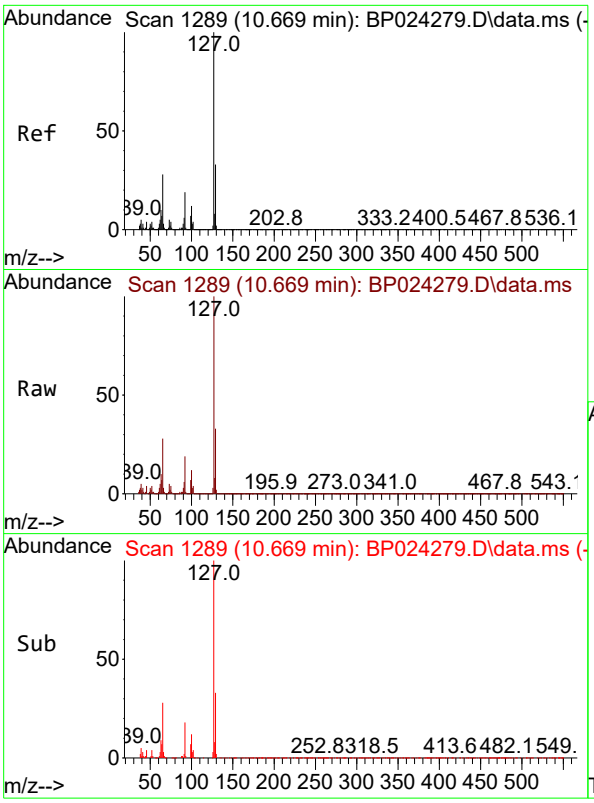


#32
Benzoic acid
Concen: 42.286 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:122 Resp: 506813

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	89.2	69.2	109.2



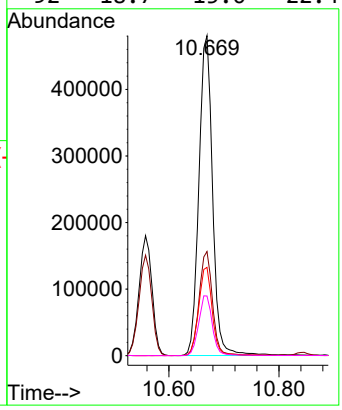


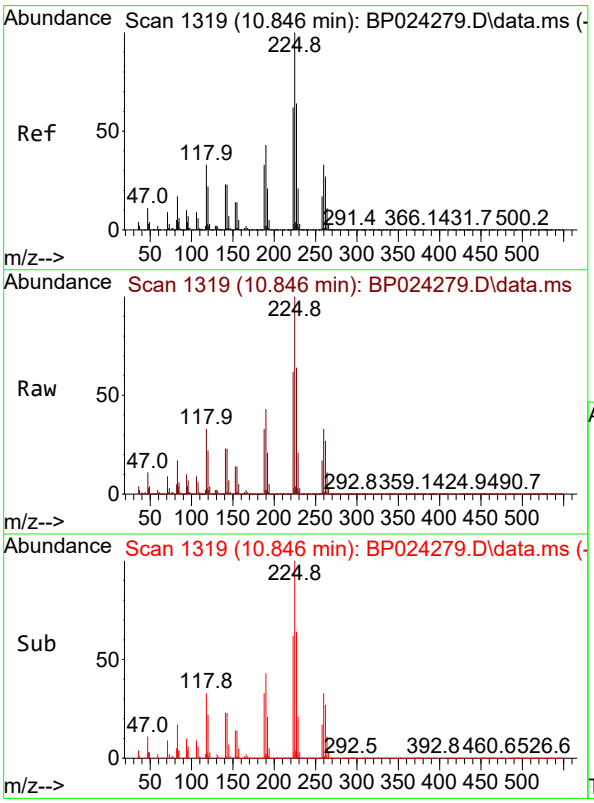
#33
4-Chloroaniline
Concen: 42.913 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 830870

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.6	22.1	33.1
92	18.7	15.0	22.4

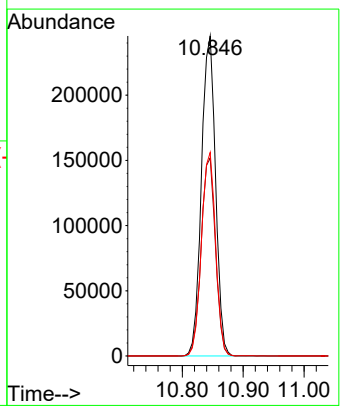


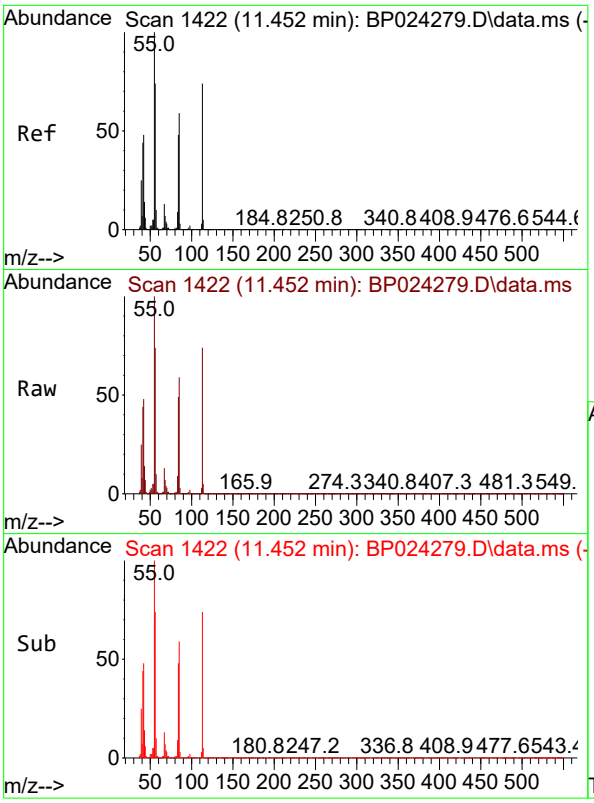


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:225 Resp: 394737

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.6	50.9	76.3



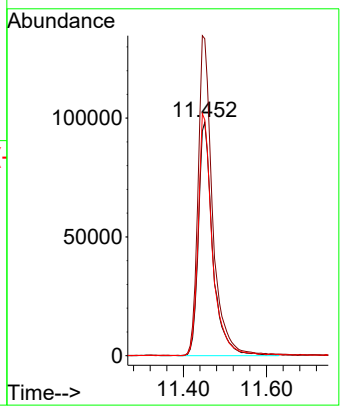


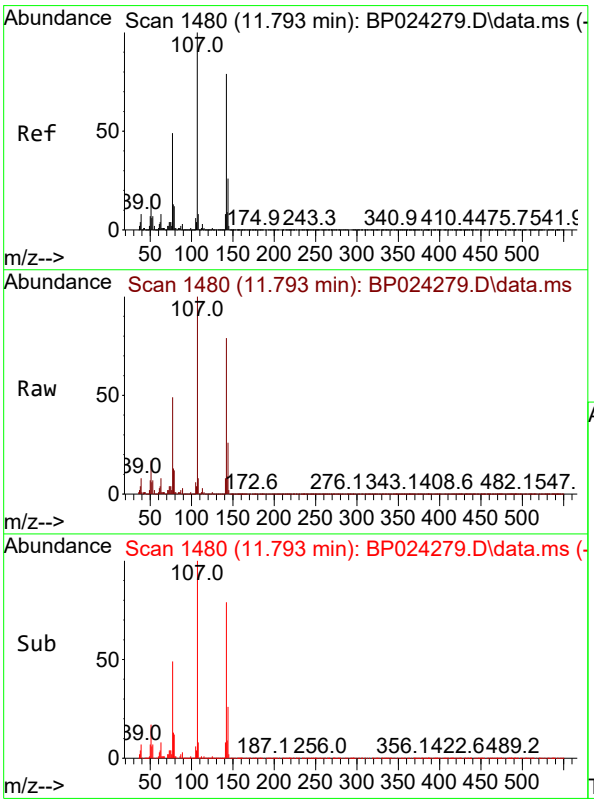
#35
Caprolactam
Concen: 42.256 ng
RT: 11.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 234519

Ion	Ratio	Lower	Upper
113	100		
55	135.9	115.9	155.9
56	101.1	81.1	121.1

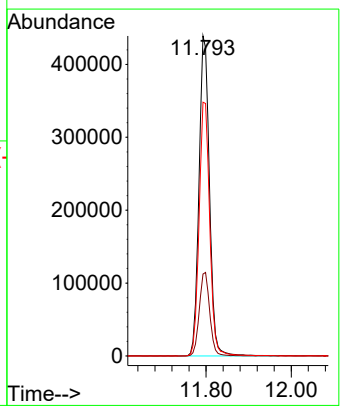


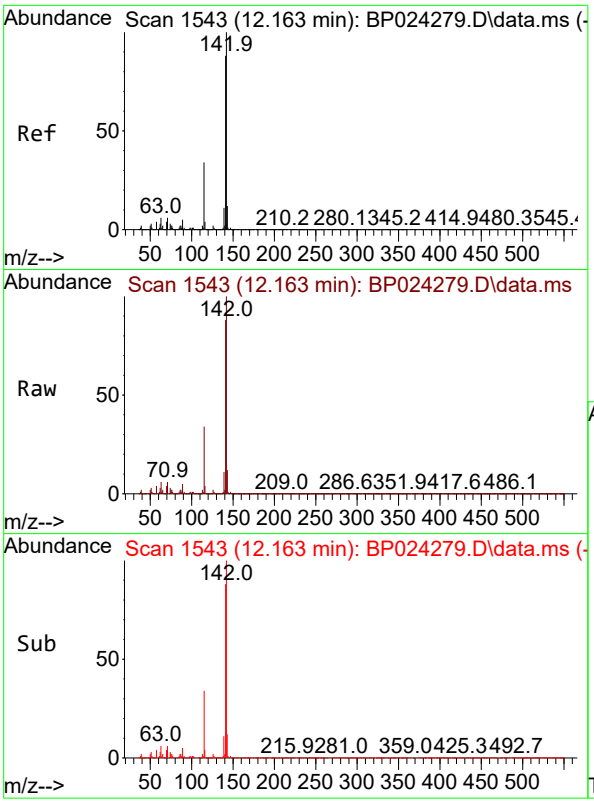


#36
4-Chloro-3-methylphenol
Concen: 42.438 ng
RT: 11.793 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 747541

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	79.3	63.4	95.2



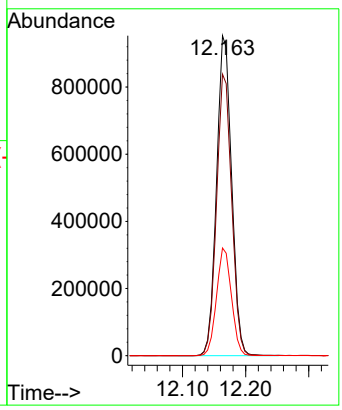


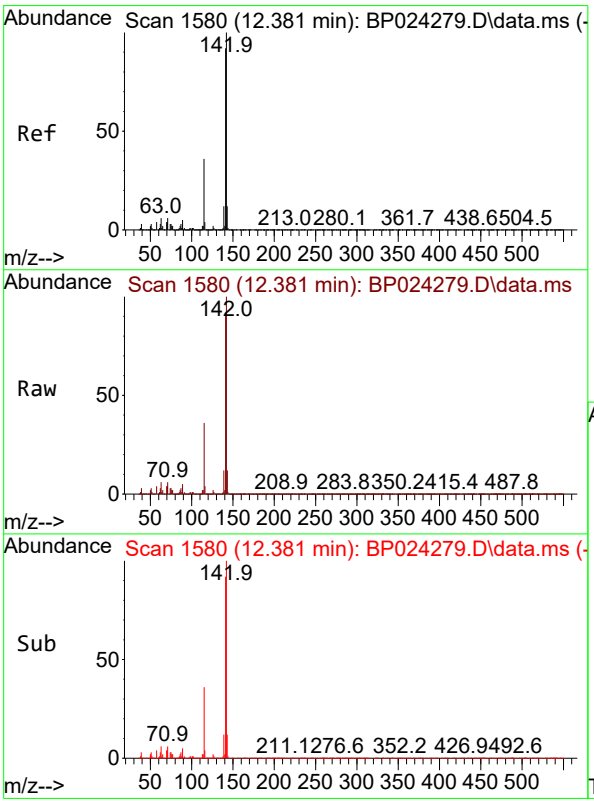
#37
2-Methylnaphthalene
Concen: 41.154 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1580497

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	33.6	26.9	40.3

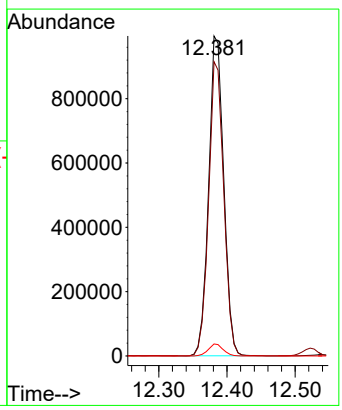


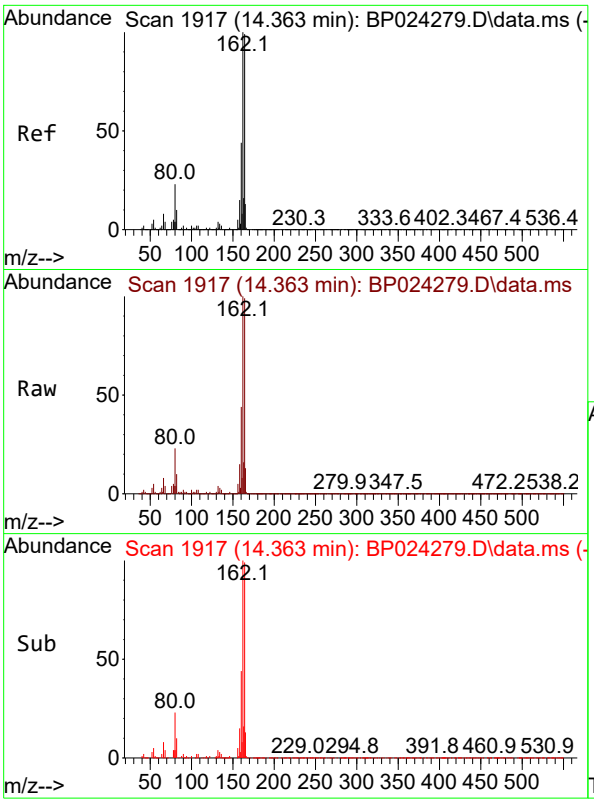


#38
1-Methylnaphthalene
Concen: 40.695 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:142 Resp: 1530982

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4
116	3.8	3.0	4.6



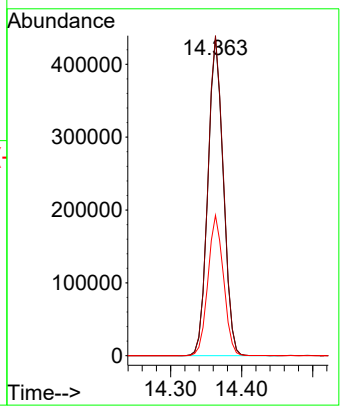


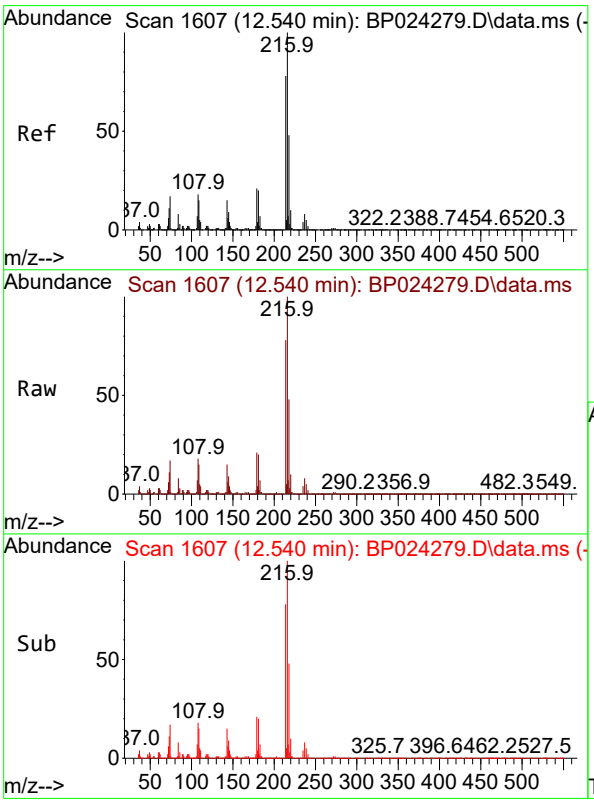
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 657357

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.1	35.3	52.9

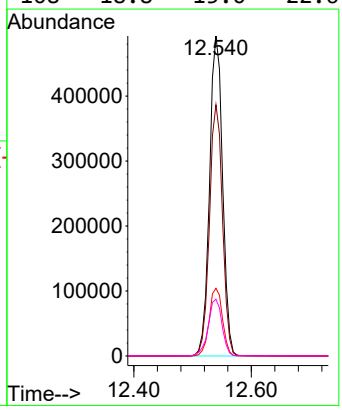


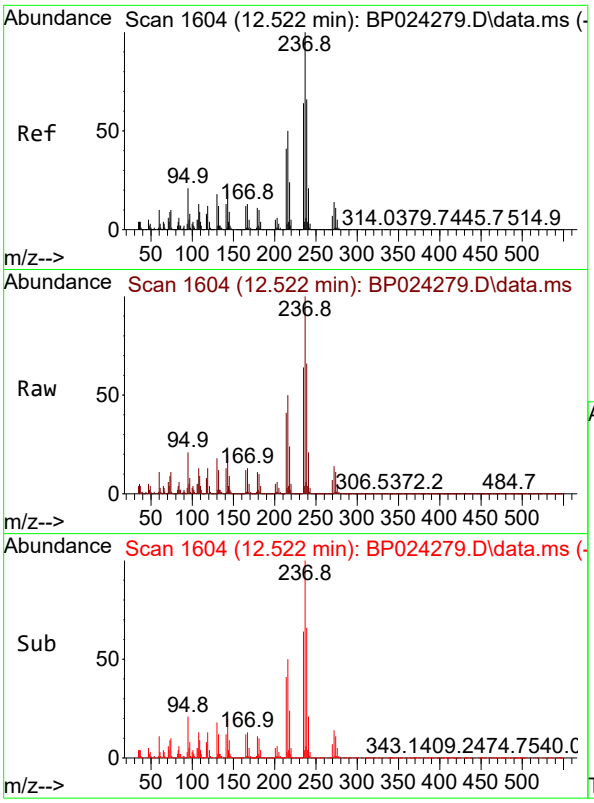


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.945 ng
RT: 12.540 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:216 Resp: 757748

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



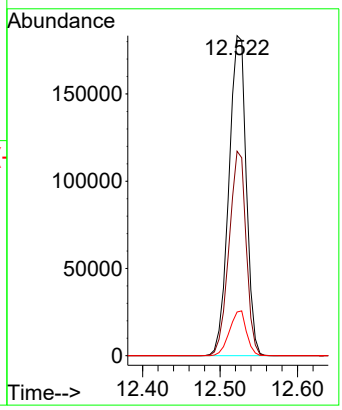


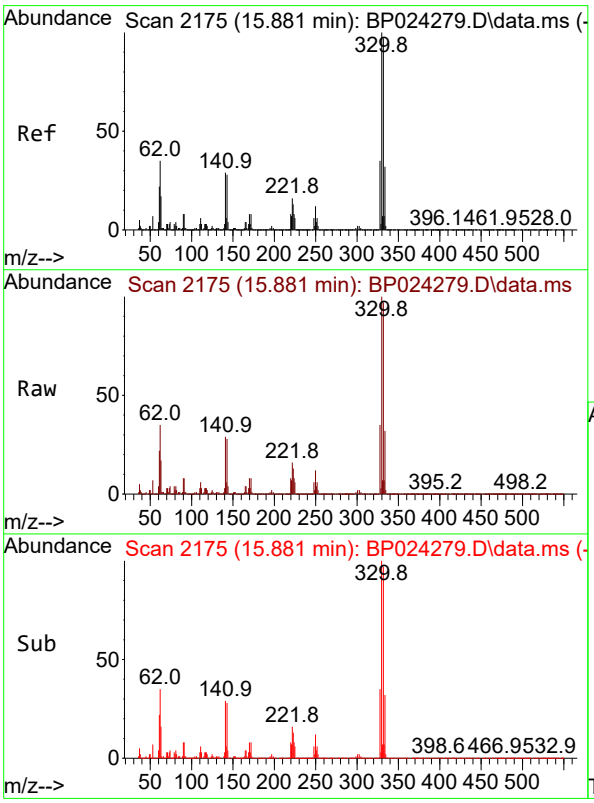
#41
Hexachlorocyclopentadiene
Concen: 45.116 ng
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 286135

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.6	0.0	33.6

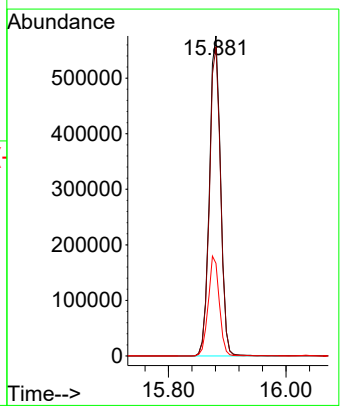


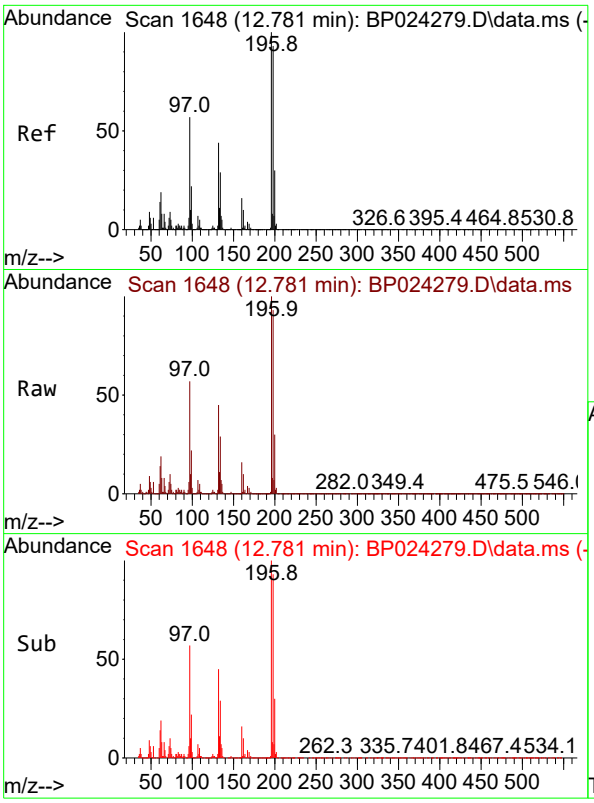


#42
2,4,6-Tribromophenol
Concen: 84.379 ng
RT: 15.881 min Scan# 2175
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:330 Resp: 759528

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.9	24.7	37.1



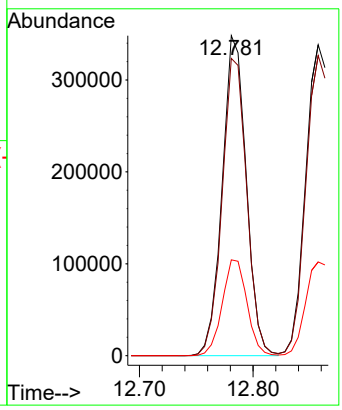


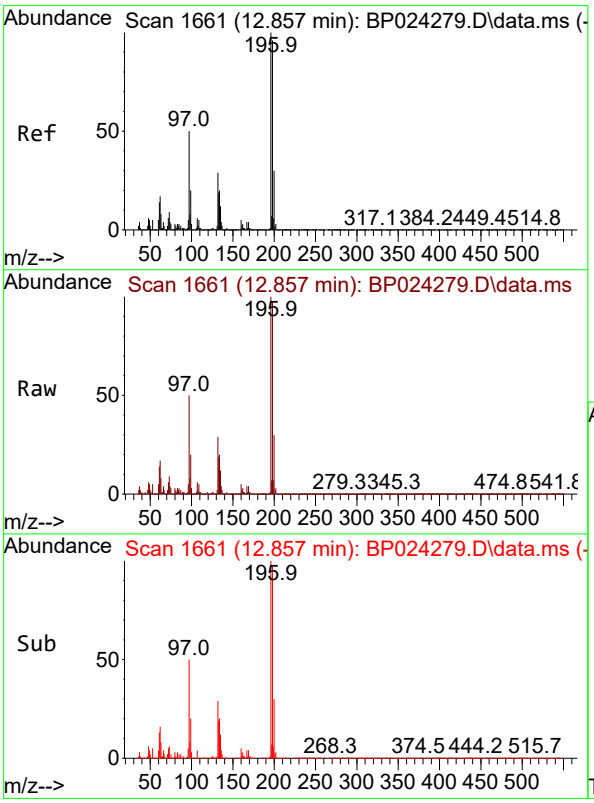
#43
2,4,6-Trichlorophenol
Concen: 43.038 ng
RT: 12.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 511566

Ion	Ratio	Lower	Upper
196	100		
198	92.9	74.3	111.5
200	30.0	24.0	36.0

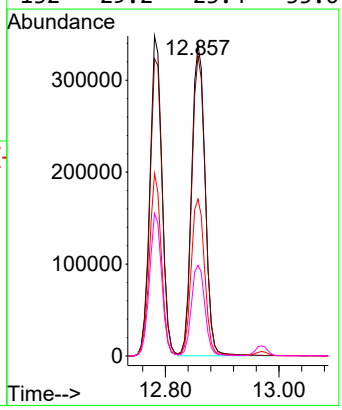


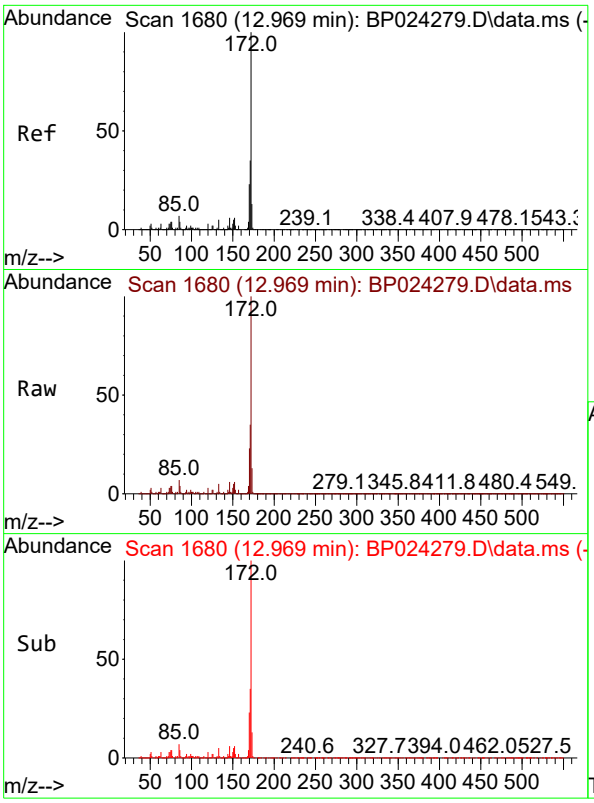


#44
2,4,5-Trichlorophenol
Concen: 42.637 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:196 Resp: 561631

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.5	40.4	60.6
132	29.2	23.4	35.0



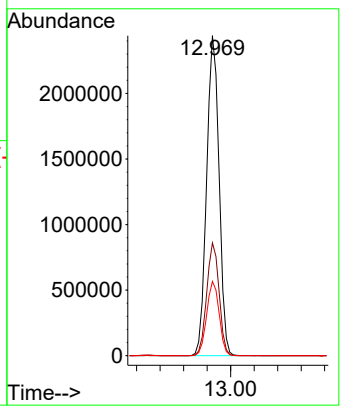


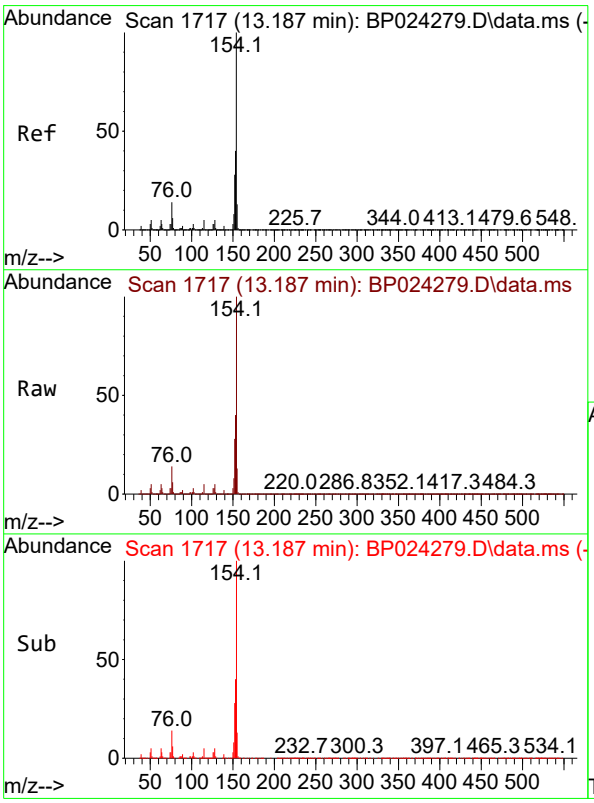
#45
2-Fluorobiphenyl
Concen: 82.939 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3591010

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.2	18.6	27.8

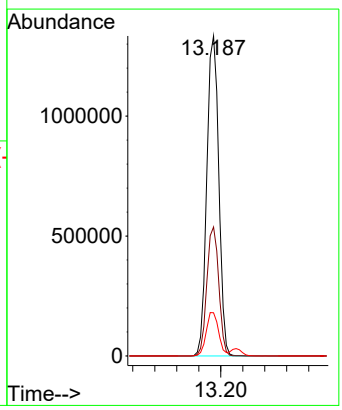


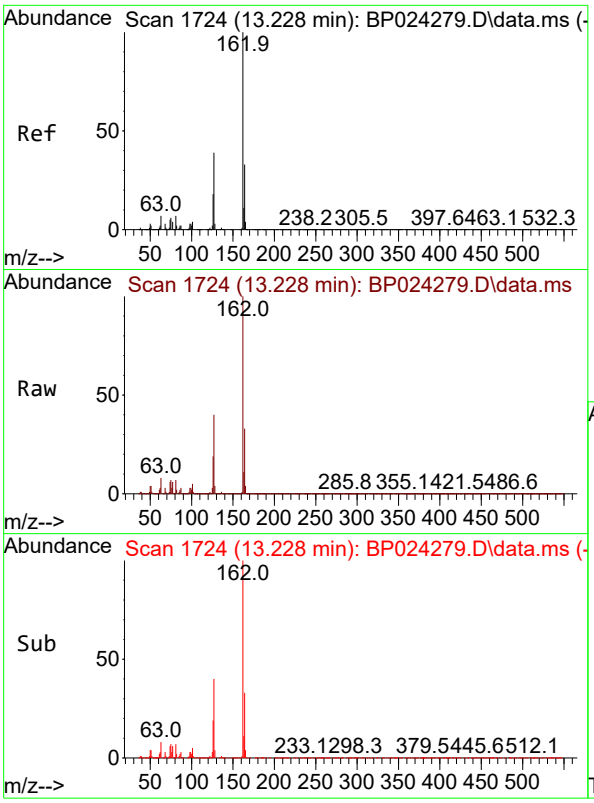


#46
1,1'-Biphenyl
Concen: 41.404 ng
RT: 13.187 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 2010029

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.5



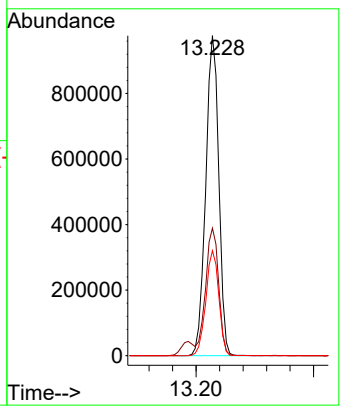


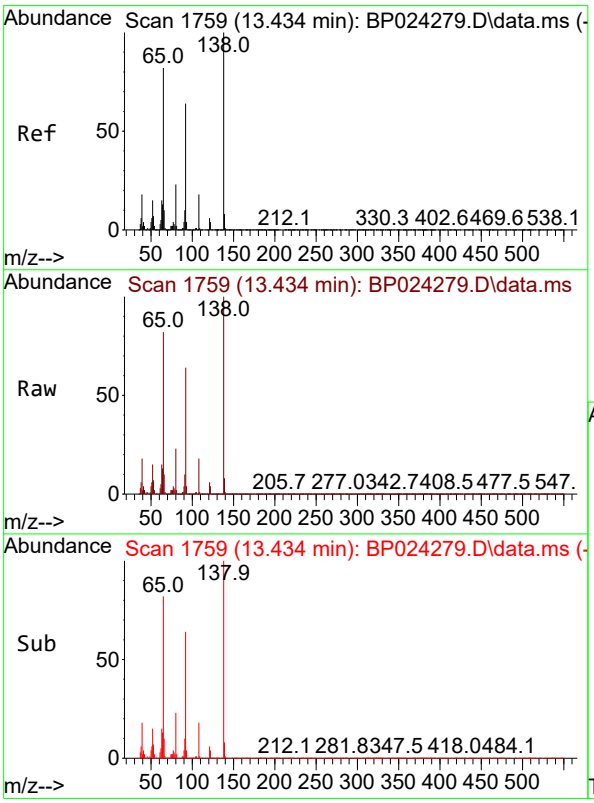
#47
2-Chloronaphthalene
Concen: 41.328 ng
RT: 13.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1497152

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.8	26.2	39.4

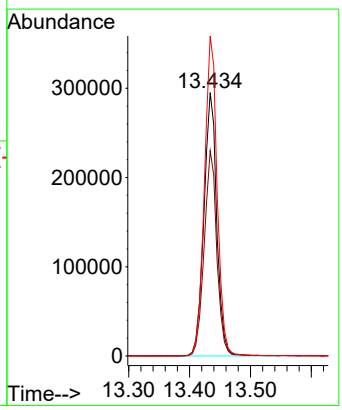


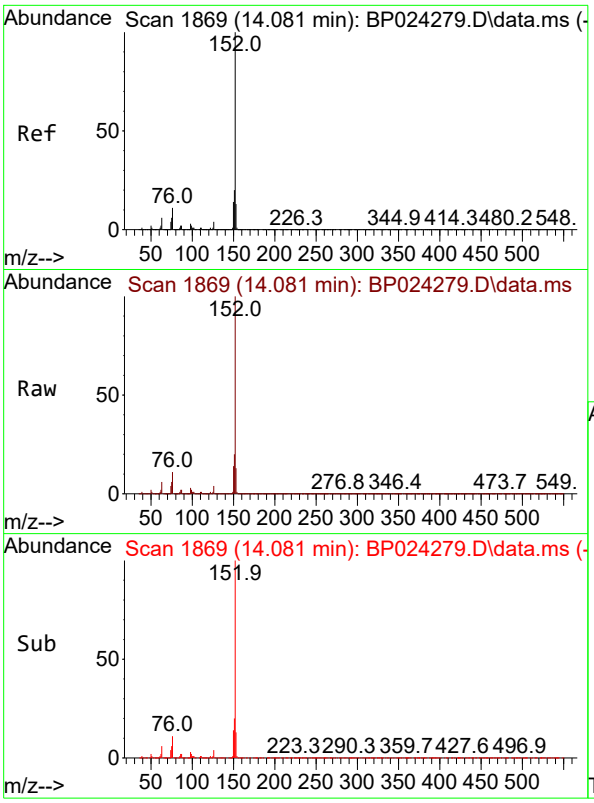


#48
2-Nitroaniline
Concen: 43.377 ng
RT: 13.434 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 65 Resp: 434050

Ion	Ratio	Lower	Upper
65	100		
92	77.9	62.3	93.5
138	121.5	97.2	145.8



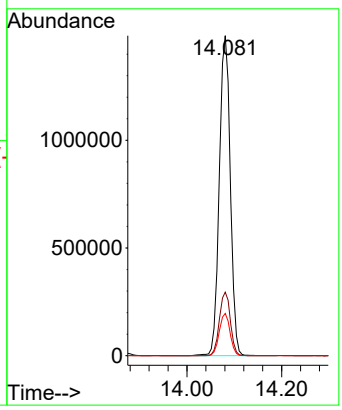


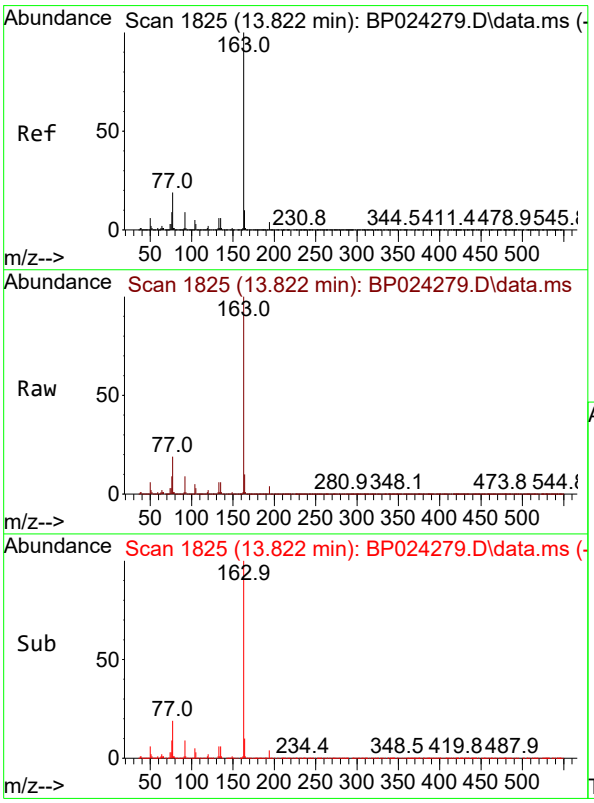
#49
Acenaphthylene
Concen: 41.944 ng
RT: 14.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2384785

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	15.8

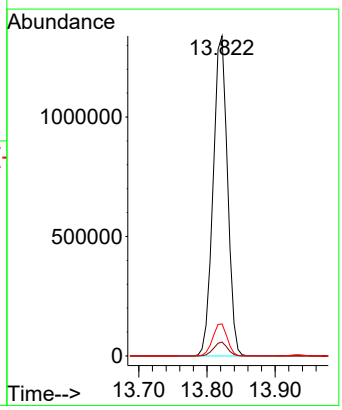


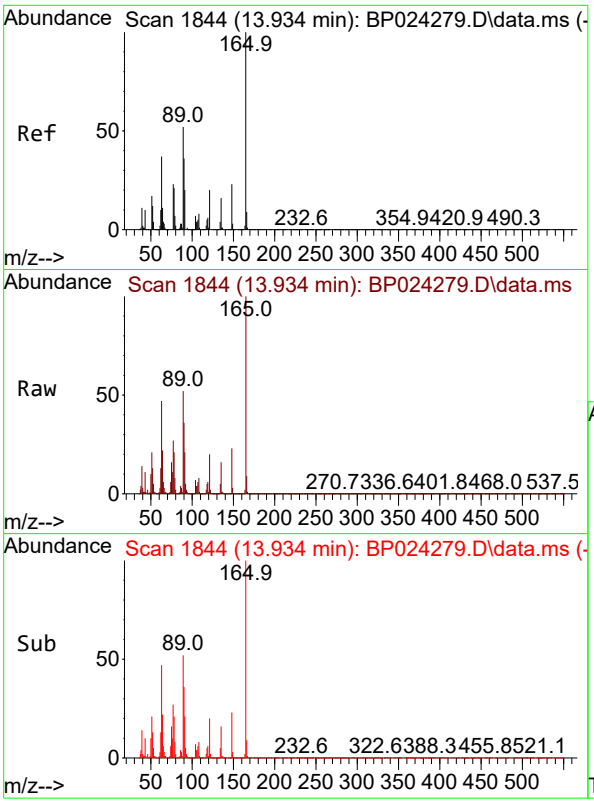


#50
Dimethylphthalate
Concen: 40.976 ng
RT: 13.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:163 Resp: 1965142

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	8.0	12.0



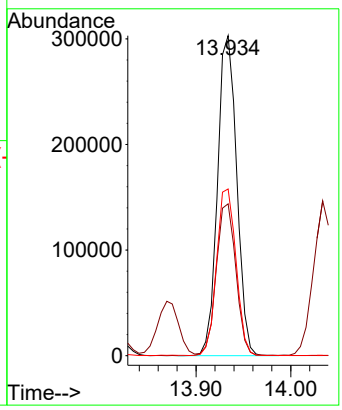


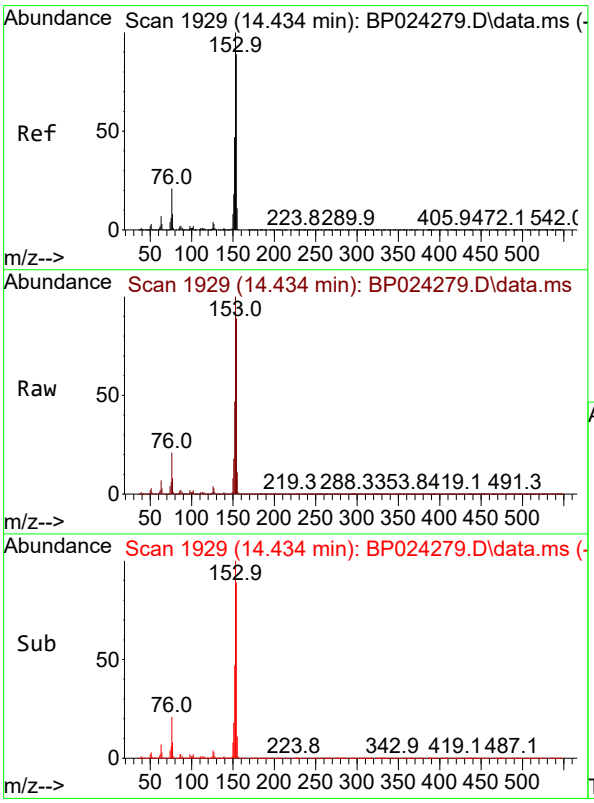
#51
2,6-Dinitrotoluene
Concen: 42.283 ng
RT: 13.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 427248

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.0	57.0
89	52.1	41.7	62.5

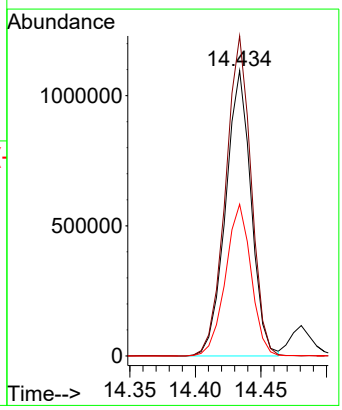


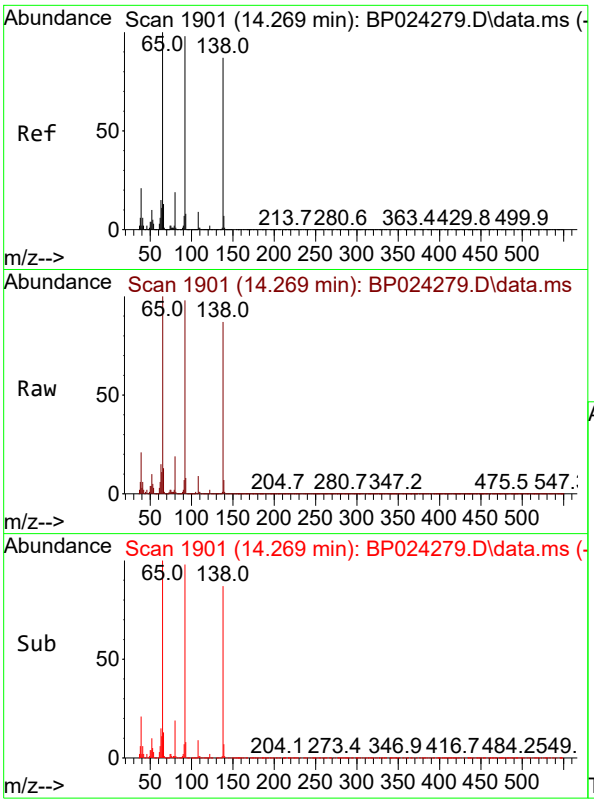


#52
Acenaphthene
Concen: 40.947 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 1480526

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	53.2	42.6	63.8



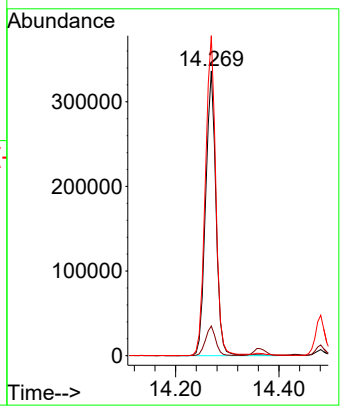


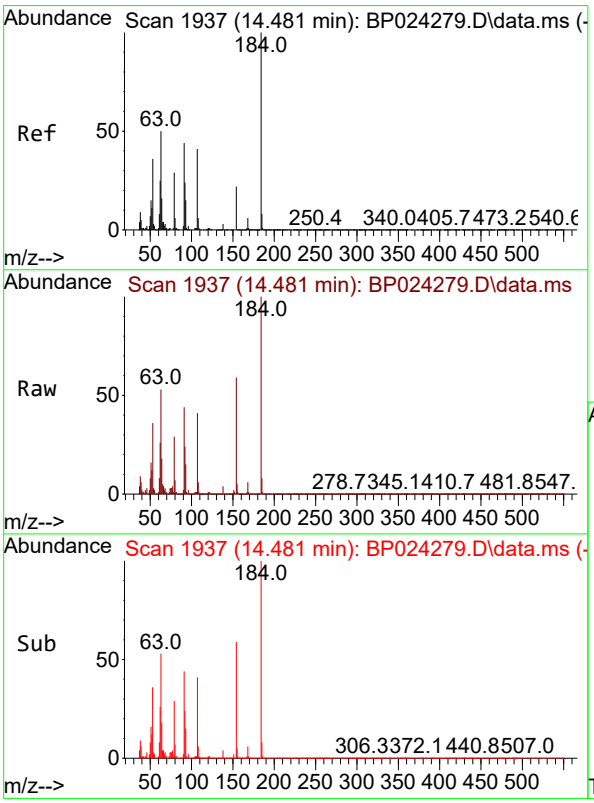
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 465347

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	112.3	89.8	134.8

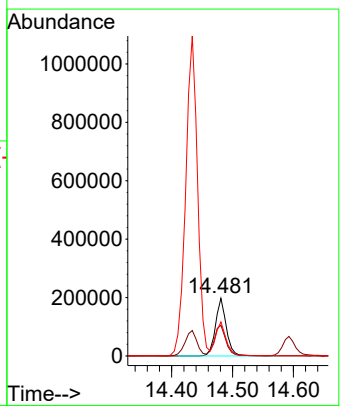


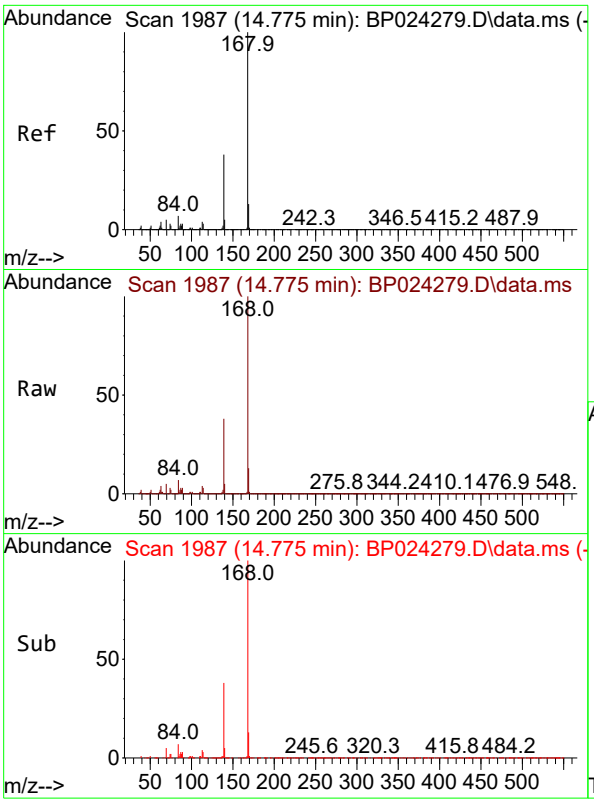


#54
2,4-Dinitrophenol
Concen: 45.231 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:184 Resp: 244714

Ion	Ratio	Lower	Upper
184	100		
63	53.3	42.6	64.0
154	59.0	47.2	70.8



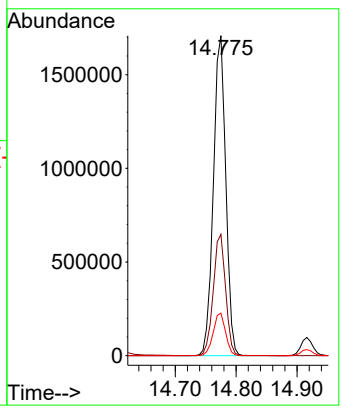


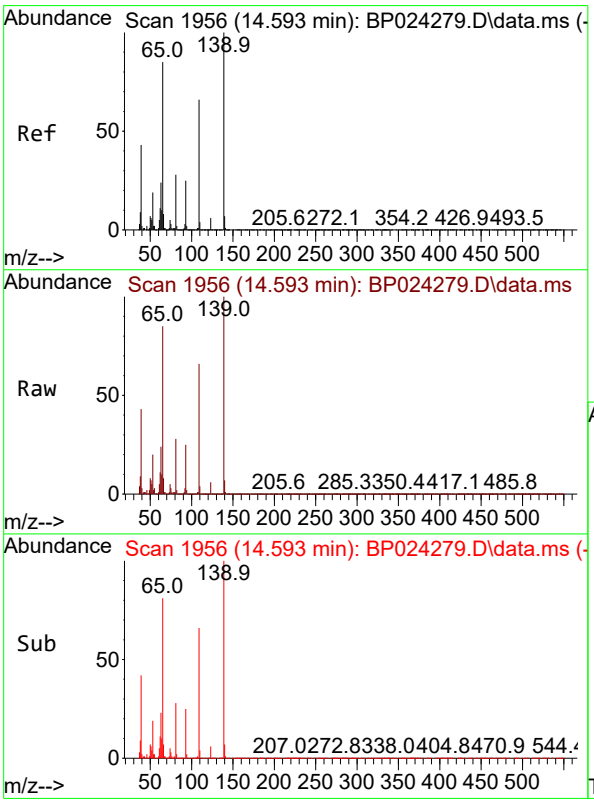
#55
Dibenzofuran
Concen: 40.633 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2409526

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

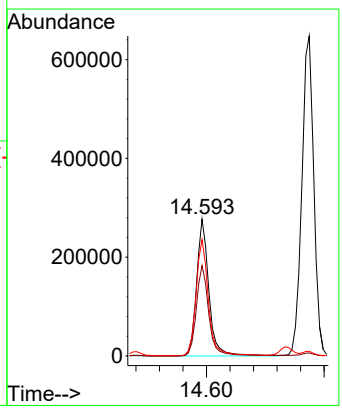


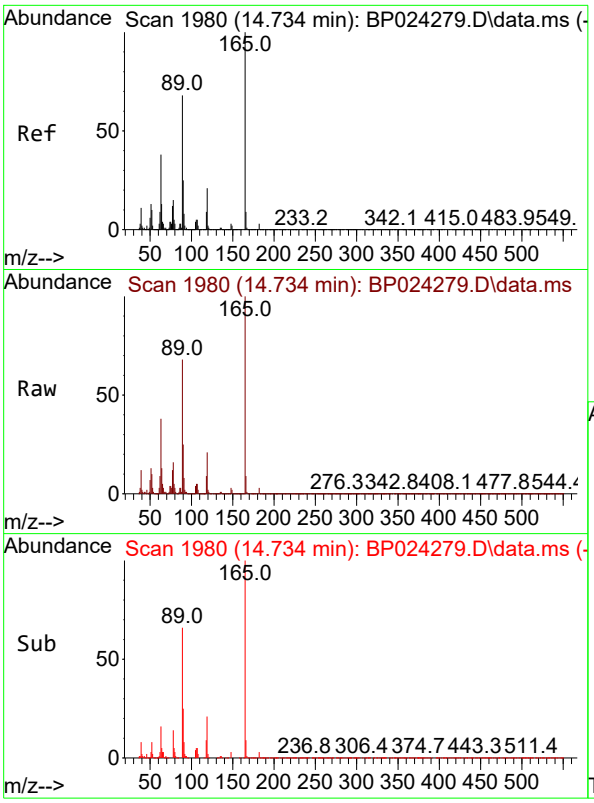


#56
4-Nitrophenol
Concen: 44.564 ng
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 401591

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	85.0	65.0	105.0



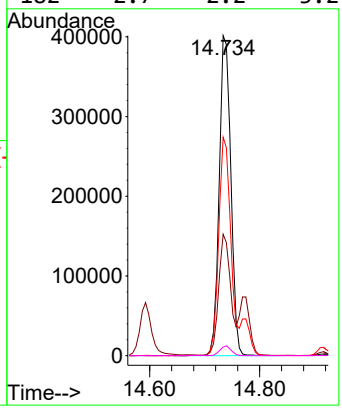


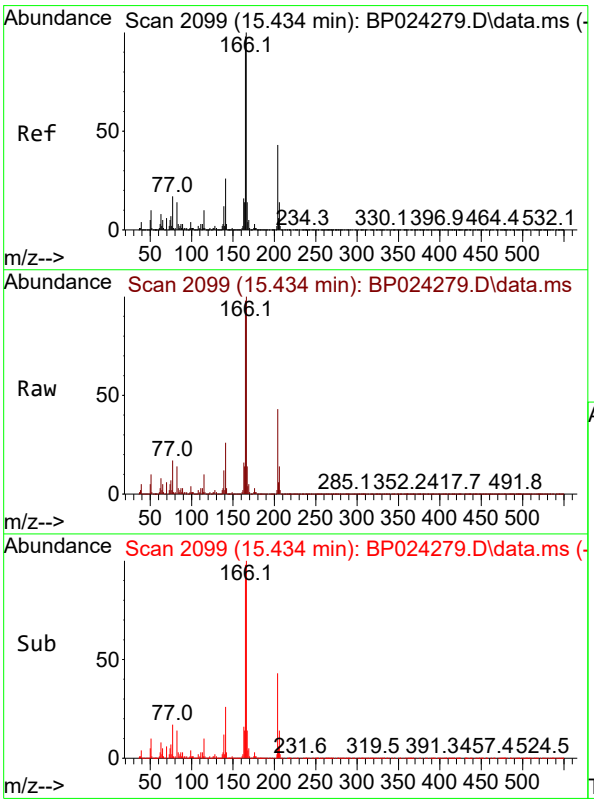
#57
2,4-Dinitrotoluene
Concen: 43.110 ng
RT: 14.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 588798

Ion	Ratio	Lower	Upper
165	100		
63	38.0	30.4	45.6
89	68.3	54.6	82.0
182	2.7	2.2	3.2

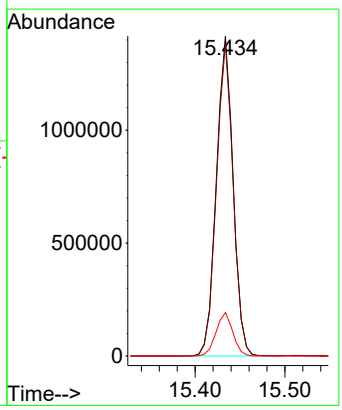


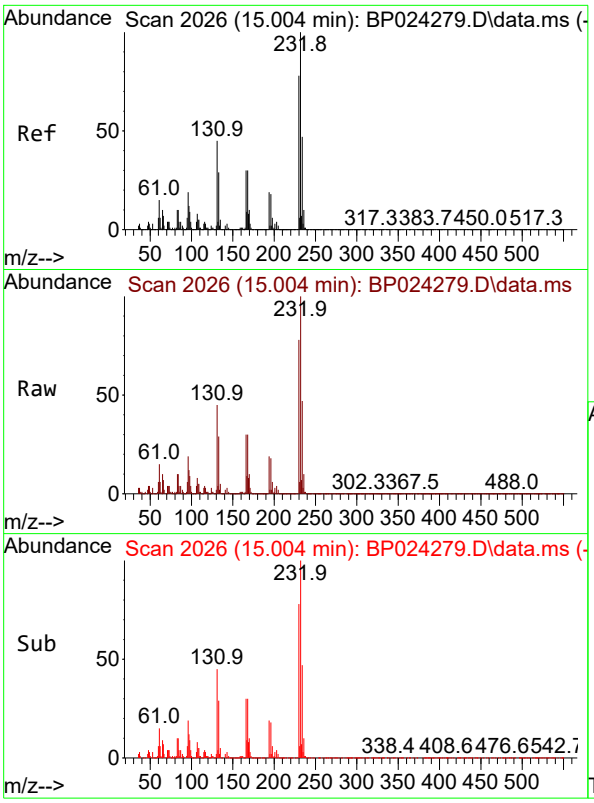


#58
Fluorene
Concen: 40.150 ng
RT: 15.434 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:166 Resp: 1838264

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.6	10.9	16.3



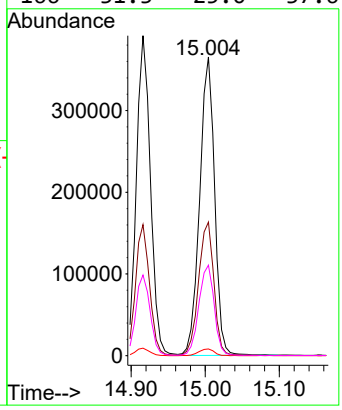


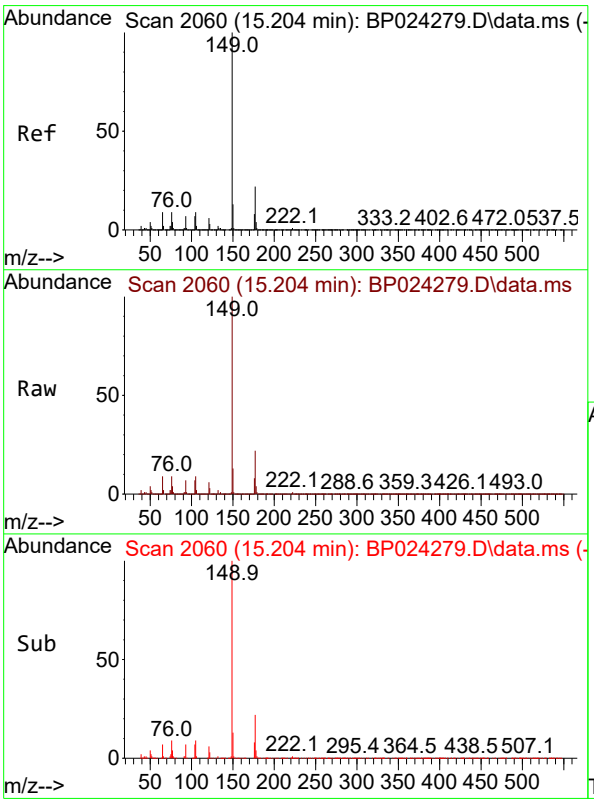
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.987 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 511714

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.4	1.9	2.9
166	31.3	25.0	37.6

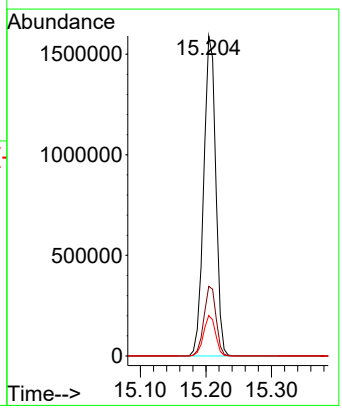


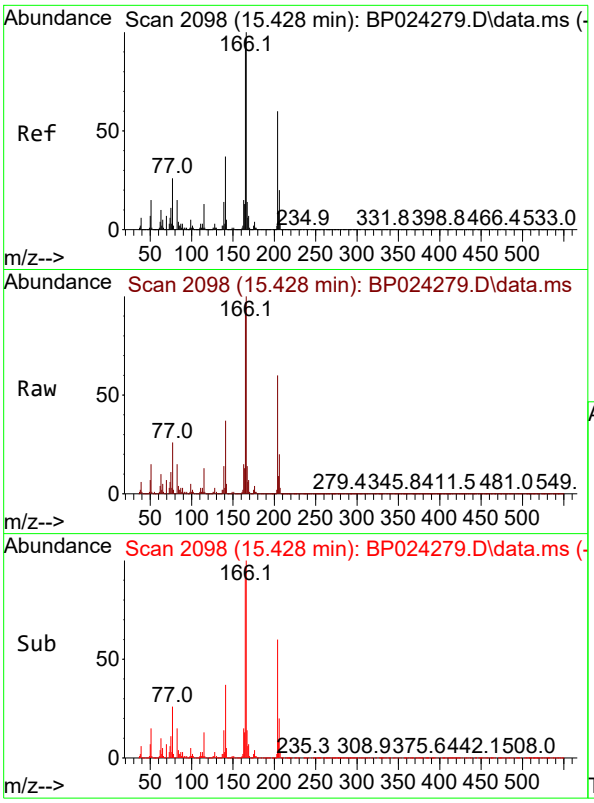


#60
Diethylphthalate
Concen: 41.286 ng
RT: 15.204 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2037863

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.6	10.1	15.1



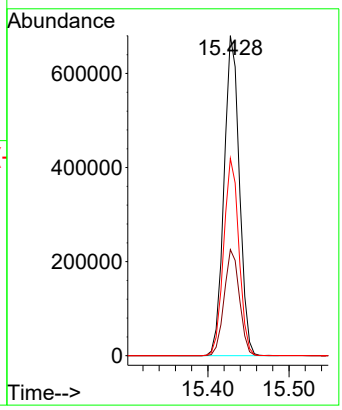


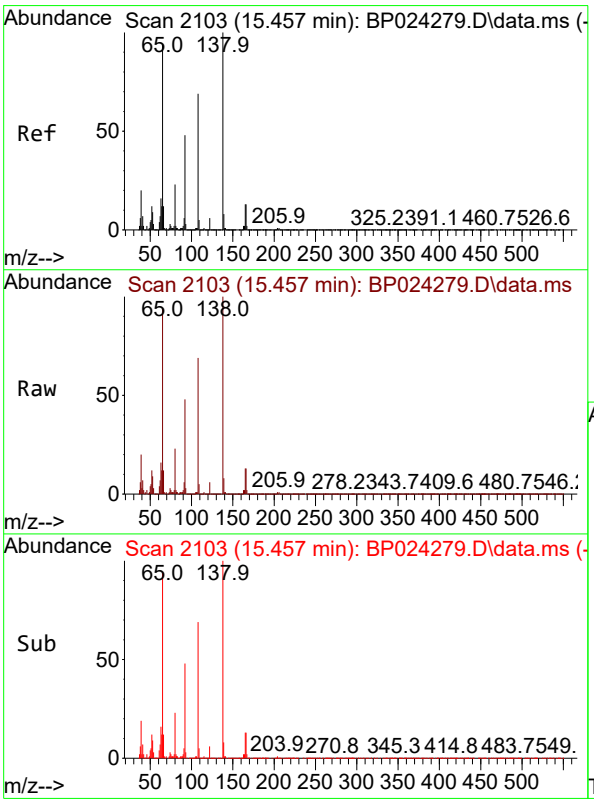
#61
4-Chlorophenyl-phenylether
Concen: 40.226 ng
RT: 15.428 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 894350

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.7	49.4	74.0

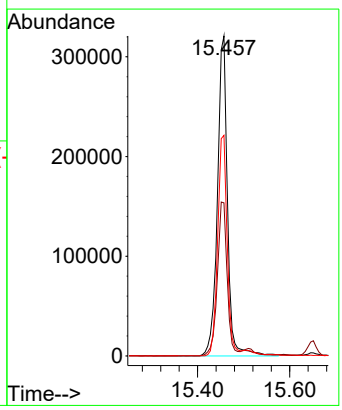


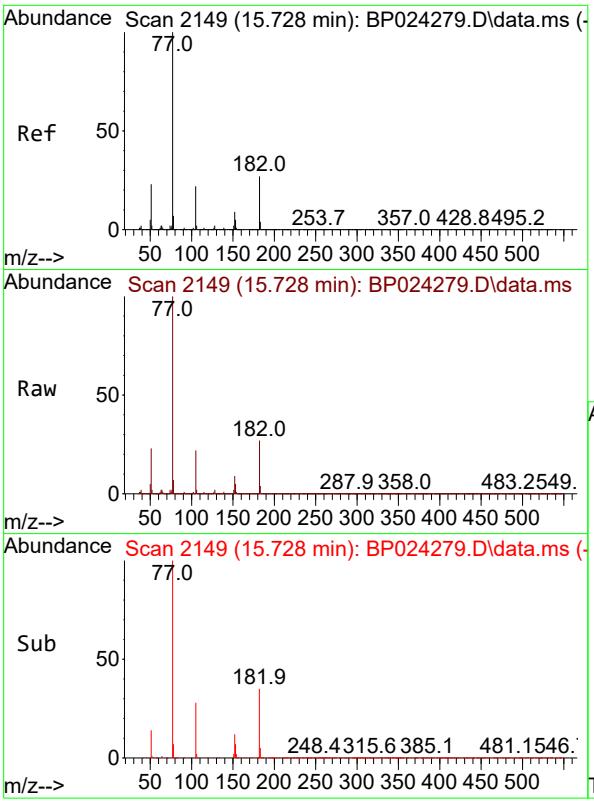


#62
4-Nitroaniline
Concen: 43.693 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:138 Resp: 485622

Ion	Ratio	Lower	Upper
138	100		
92	47.8	27.8	67.8
108	68.9	48.9	88.9



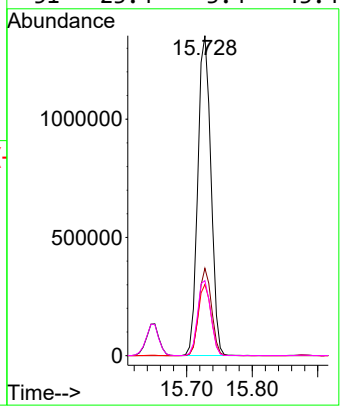


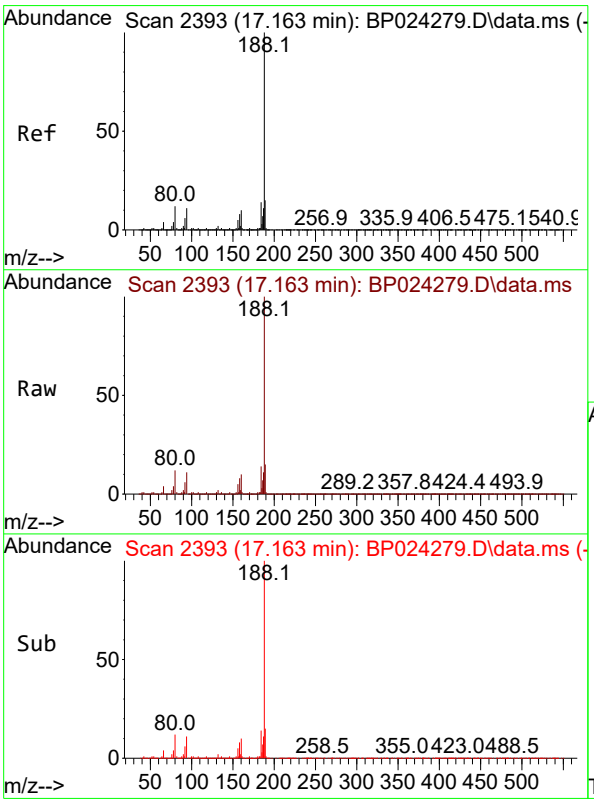
#63
Azobenzene
Concen: 41.392 ng
RT: 15.728 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1881773

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.3	2.3	42.3
51	23.4	3.4	43.4

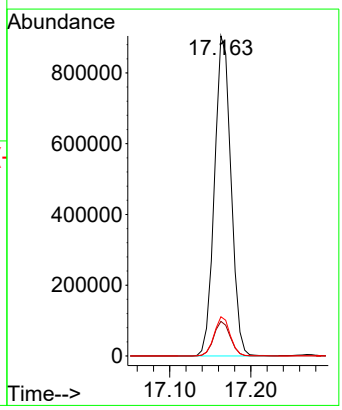


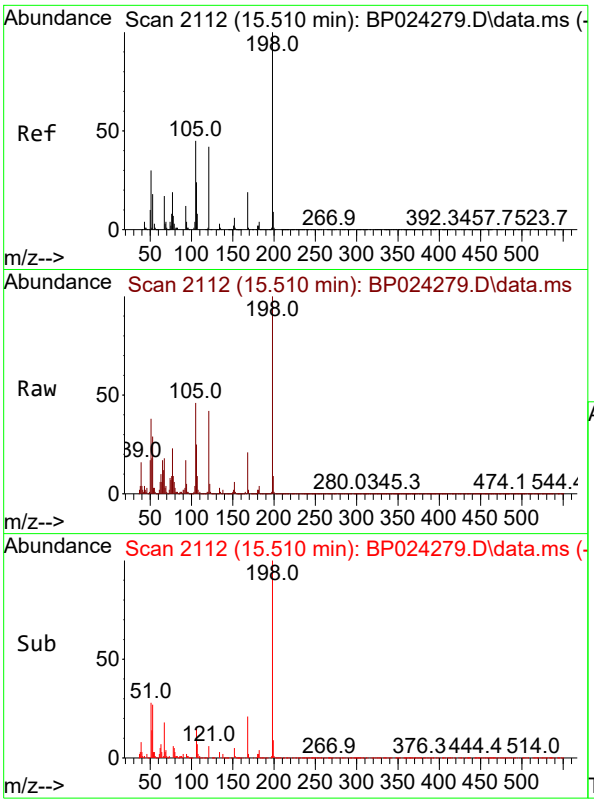


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:188 Resp: 1277198

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.2	9.8	14.6



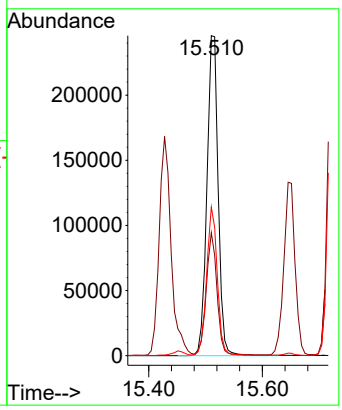


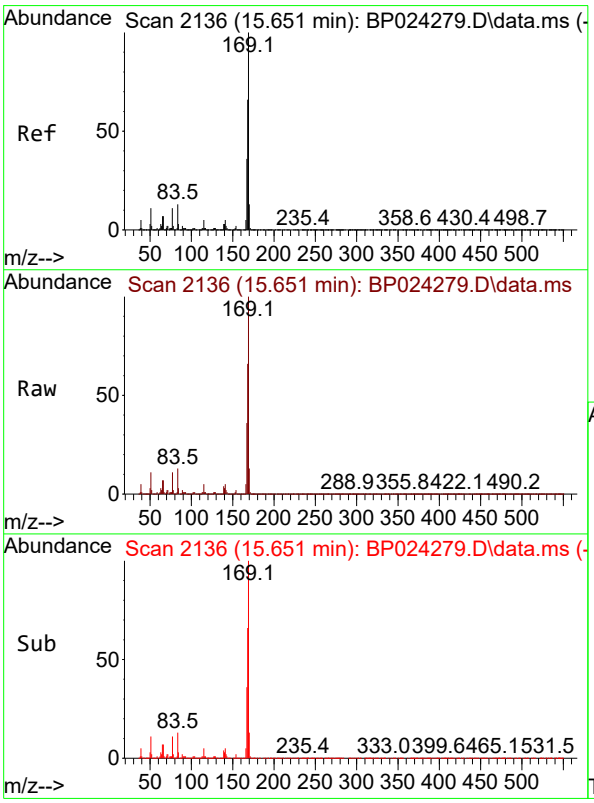
#65
4,6-Dinitro-2-methylphenol
Concen: 44.938 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 335347

Ion	Ratio	Lower	Upper
198	100		
51	38.4	18.4	58.4
105	46.5	26.5	66.5

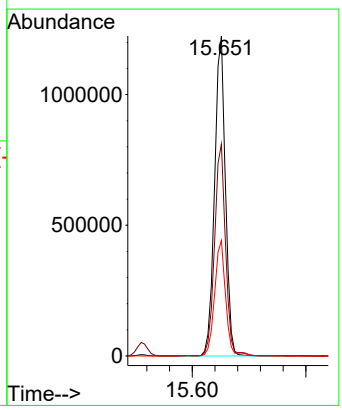


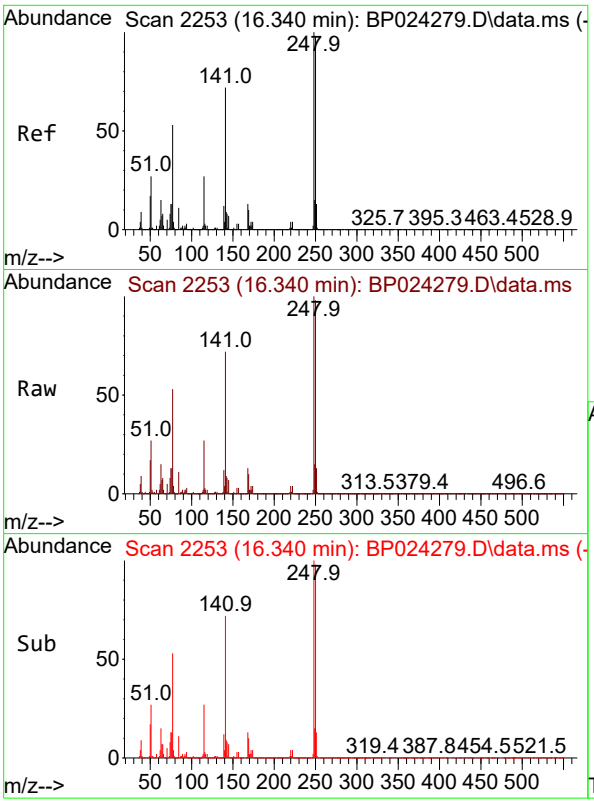


#66
n-Nitrosodiphenylamine
Concen: 42.021 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:169 Resp: 1609251

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.1	28.9	43.3



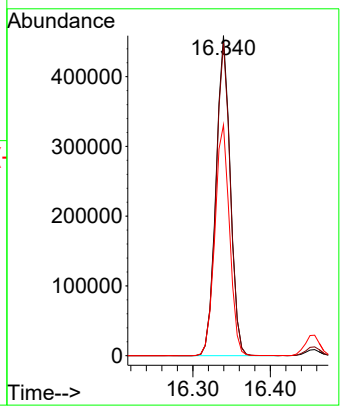


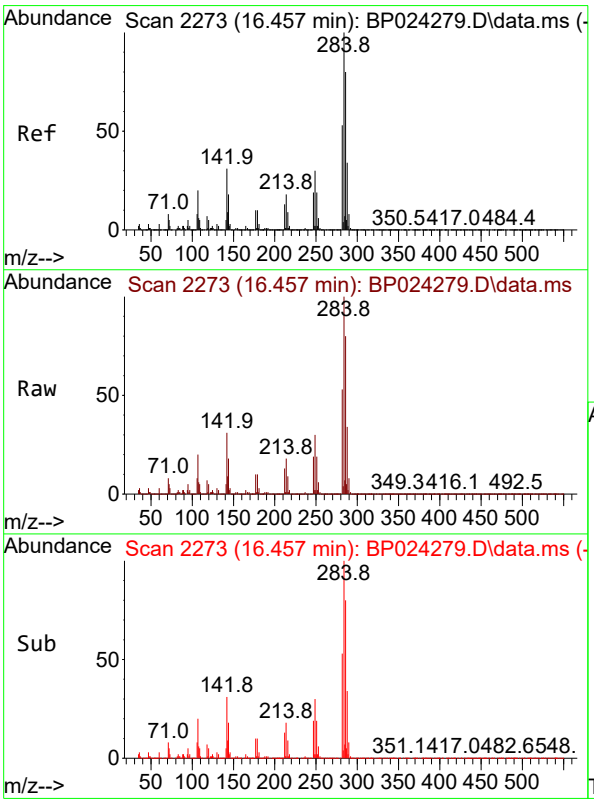
#67
4-Bromophenyl-phenylether
Concen: 42.165 ng
RT: 16.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 587416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	72.1	57.7	86.5

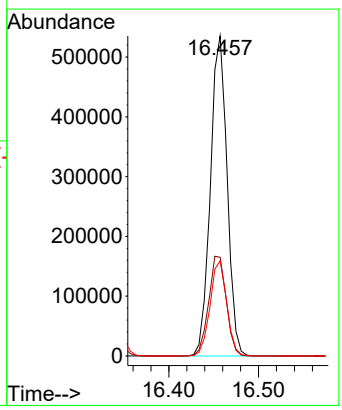


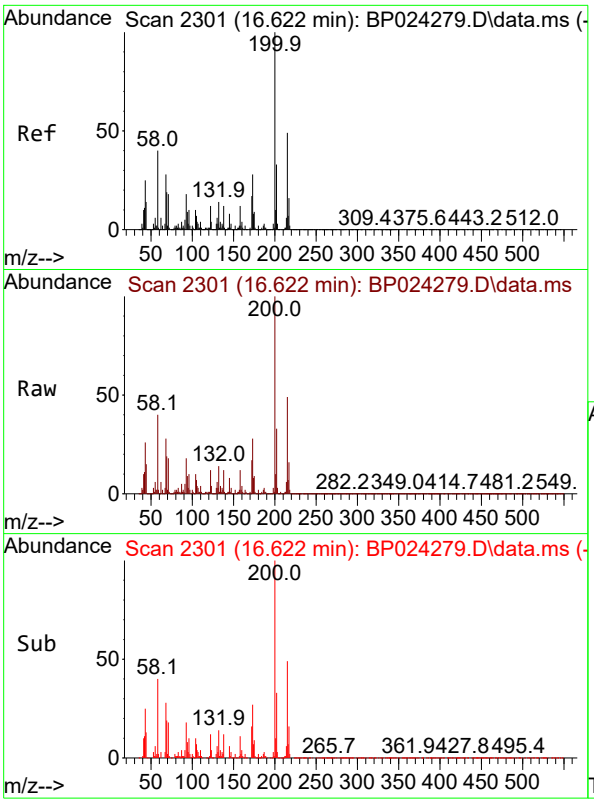


#68
Hexachlorobenzene
Concen: 41.815 ng
RT: 16.457 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:284 Resp: 692546

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.7	23.8	35.6



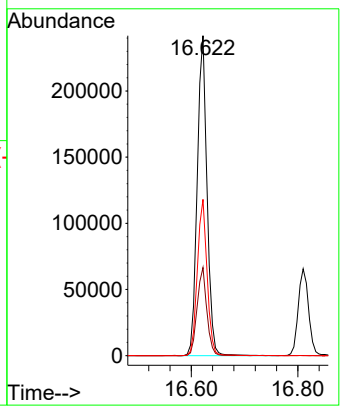


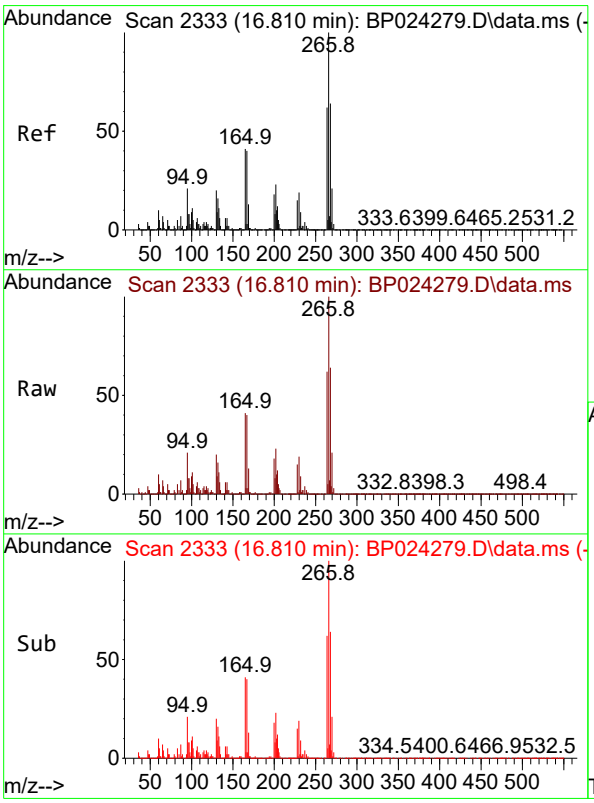
#69
Atrazine
Concen: 31.786 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 308618

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.5	47.5
215	48.8	28.8	68.8

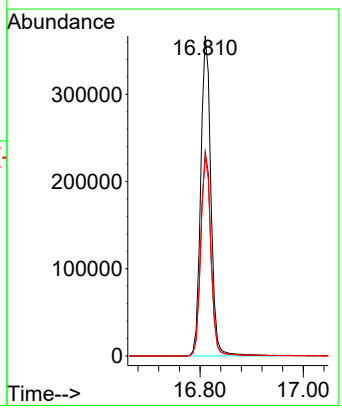


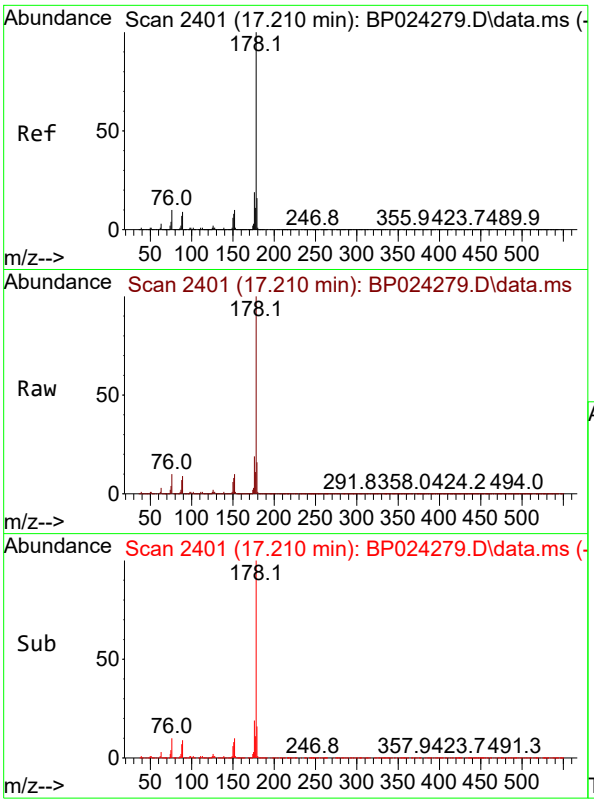


#70
Pentachlorophenol
Concen: 43.955 ng
RT: 16.810 min Scan# 2333
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:266 Resp: 499858

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.2	49.8	74.6



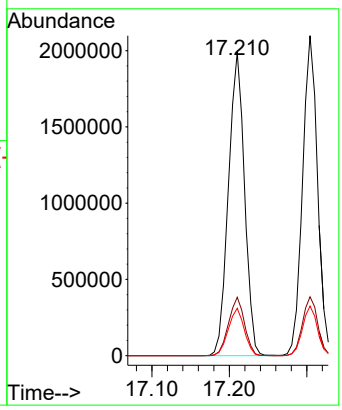


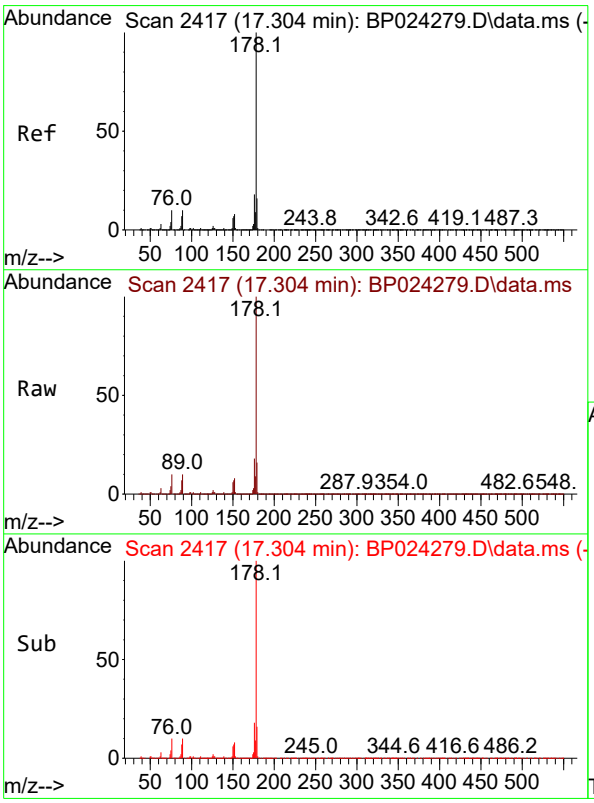
#71
Phenanthrene
Concen: 41.121 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2879498

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.5	18.7

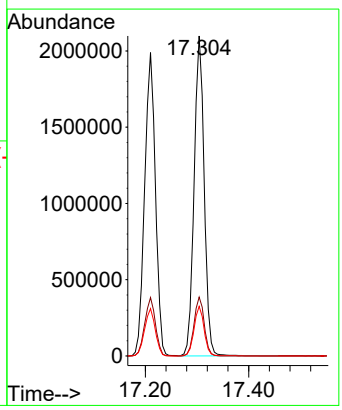


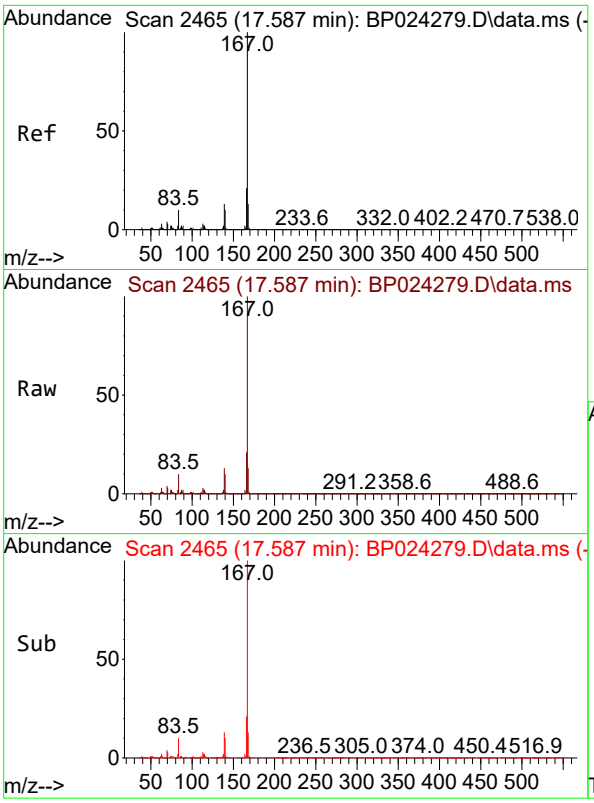


#72
Anthracene
Concen: 42.130 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:178 Resp: 2838724

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



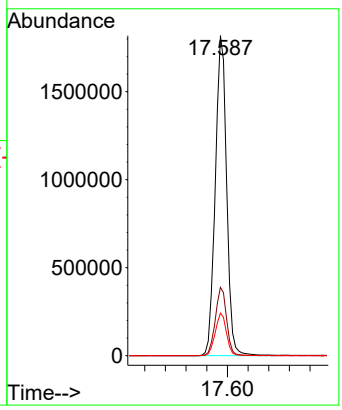


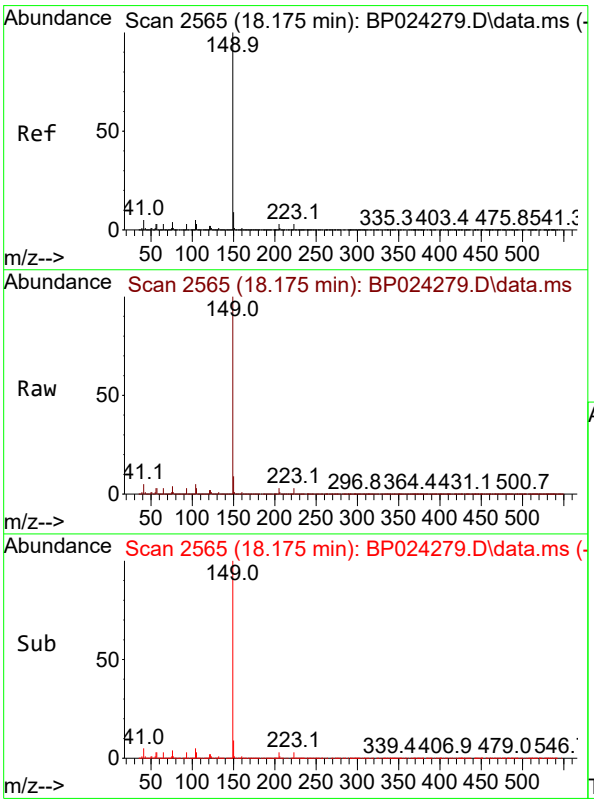
#73
Carbazole
Concen: 42.242 ng
RT: 17.587 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2770072

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.6	16.0

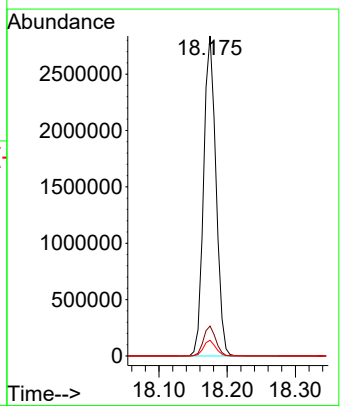


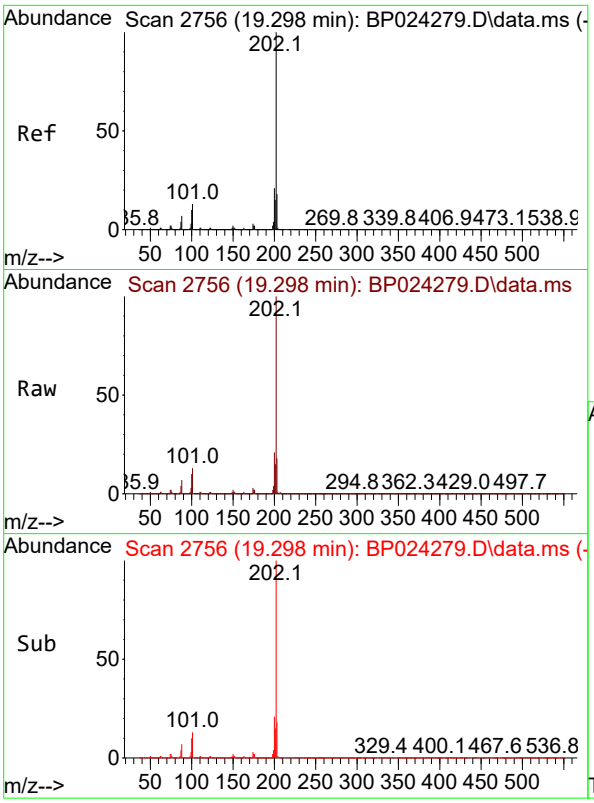


#74
Di-n-butylphthalate
Concen: 43.708 ng
RT: 18.175 min Scan# 2565
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 3571220

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



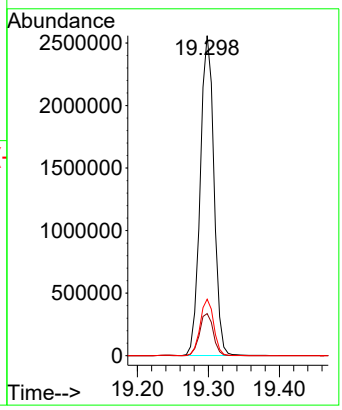


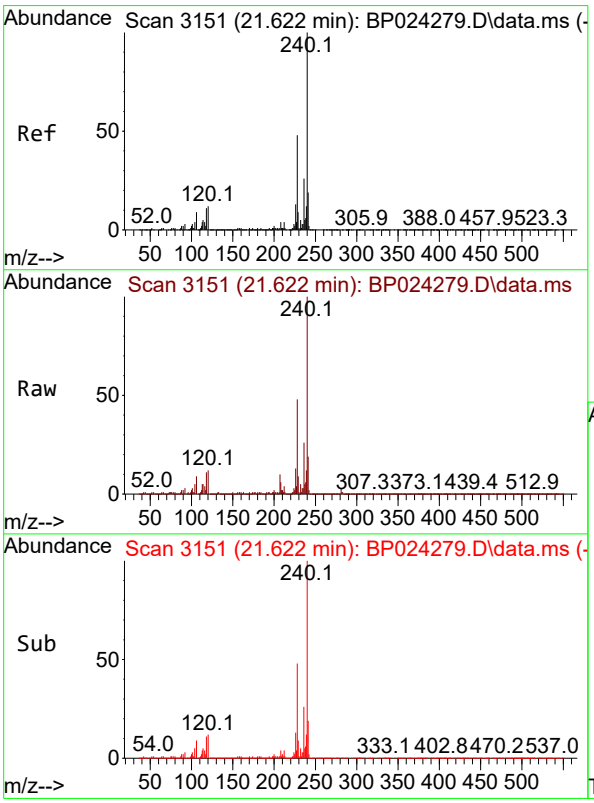
#75
Fluoranthene
Concen: 41.404 ng
RT: 19.298 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3441282

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.7	0.0	37.7

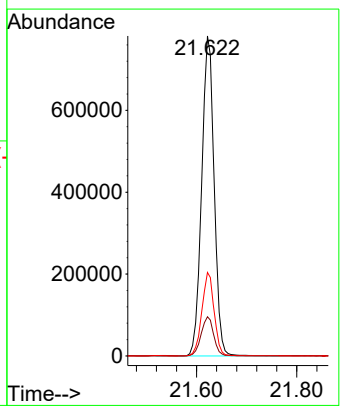


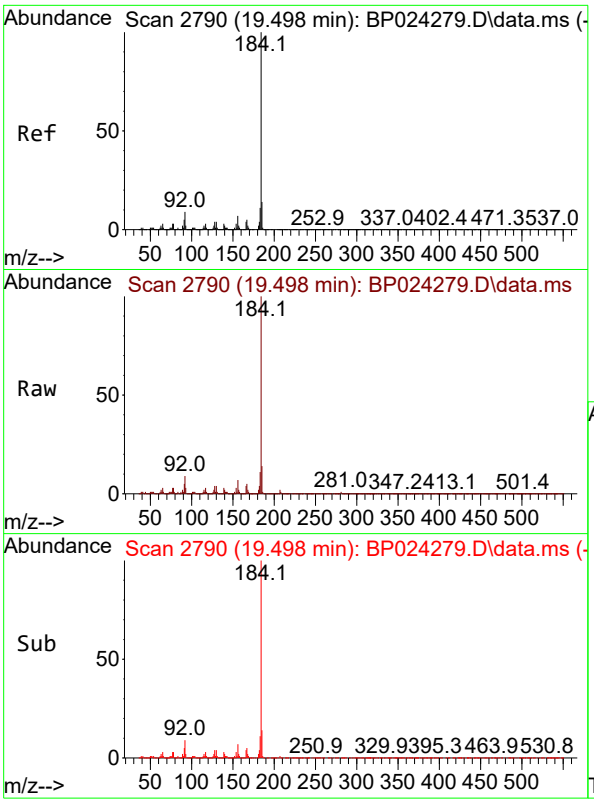


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:240 Resp: 1349860

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.8	14.8
236	26.1	20.9	31.3



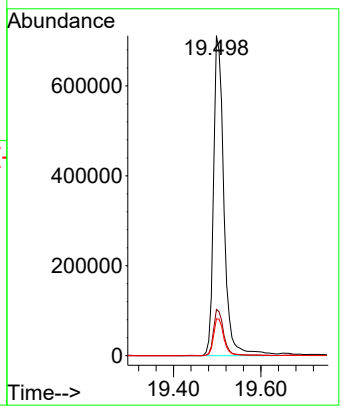


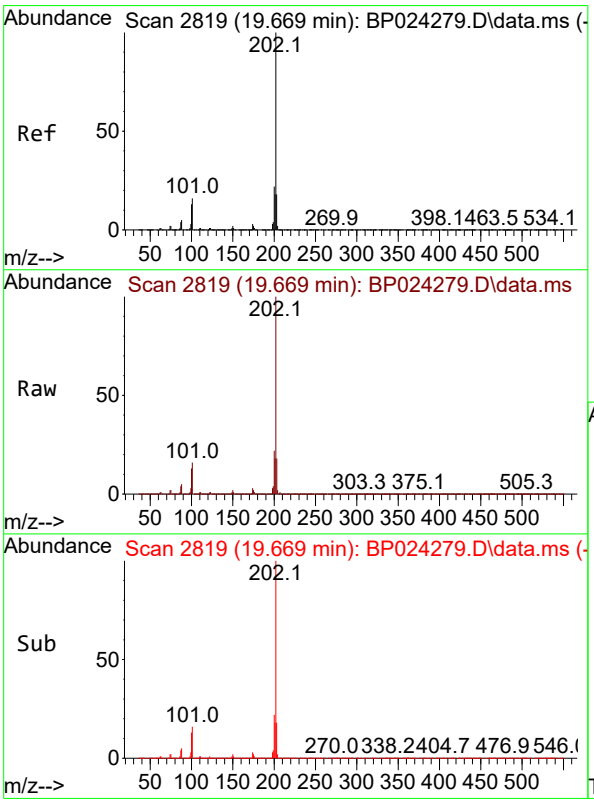
#77
Benzidine
Concen: 70.714 ng
RT: 19.498 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1178258

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.5	9.2	13.8

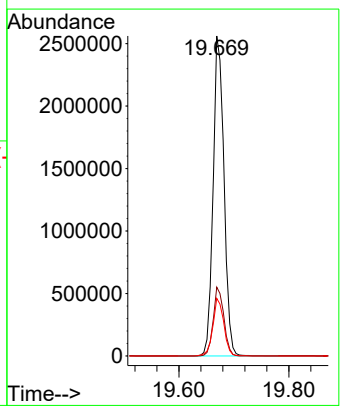


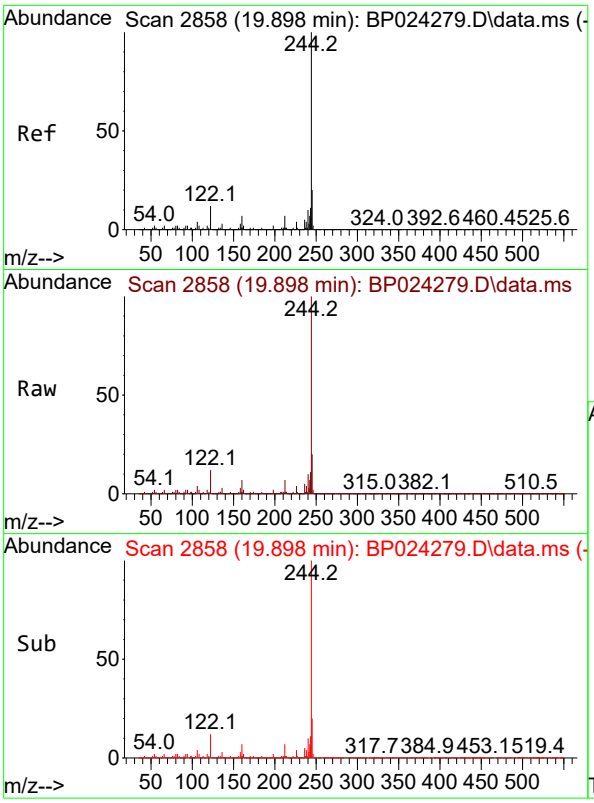


#78
Pyrene
Concen: 40.790 ng
RT: 19.669 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:202 Resp: 3523104

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.0	14.4	21.6



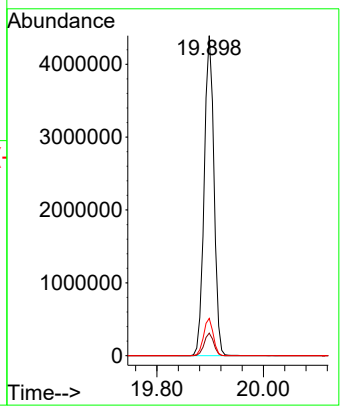


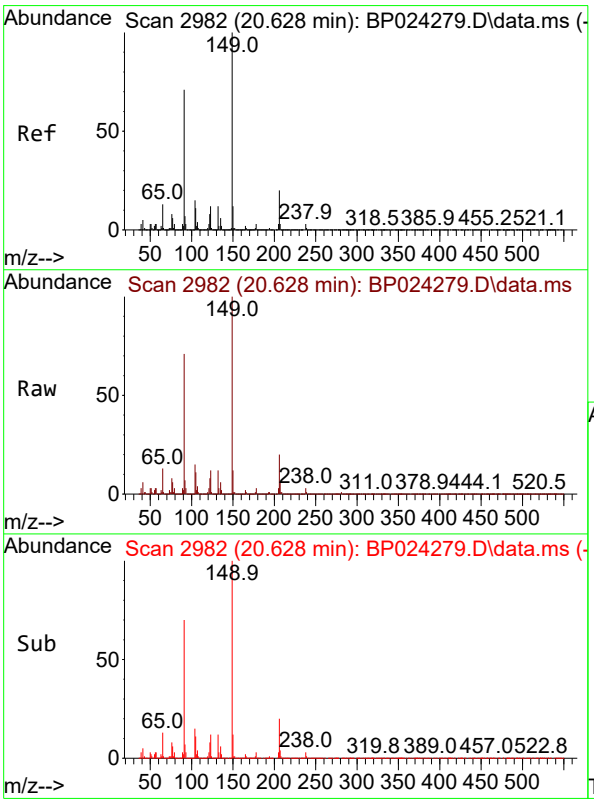
#79
Terphenyl-d14
Concen: 82.266 ng
RT: 19.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5570563

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	9.4	14.0

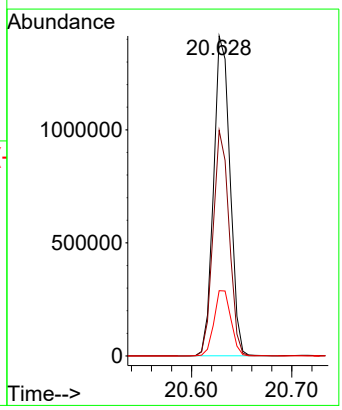


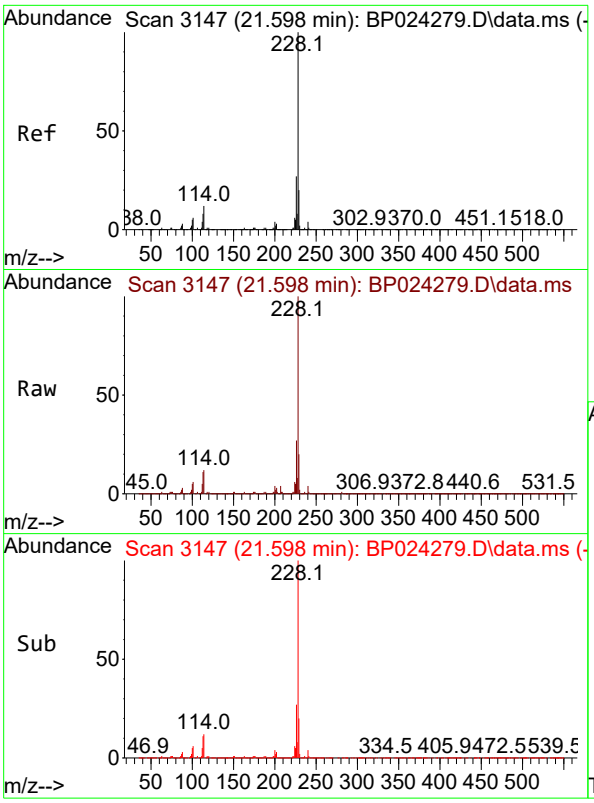


#80
Butylbenzylphthalate
Concen: 44.158 ng
RT: 20.628 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 1607881

Ion	Ratio	Lower	Upper
149	100		
91	70.5	56.4	84.6
206	20.4	16.3	24.5



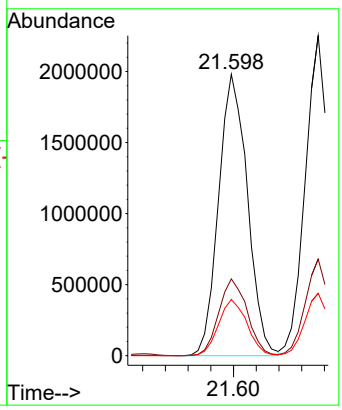


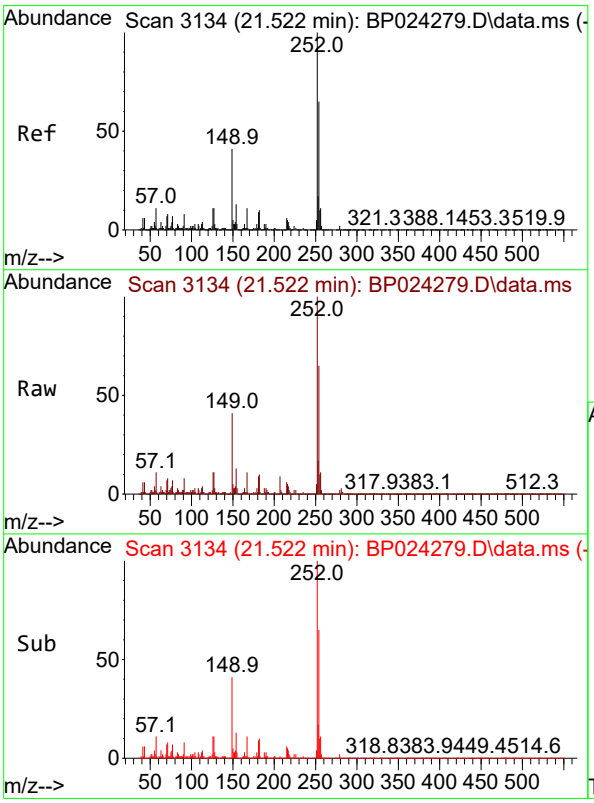
#81
Benzo(a)anthracene
Concen: 41.472 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3489938

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.9	23.9

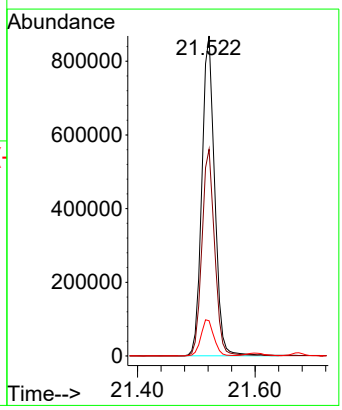


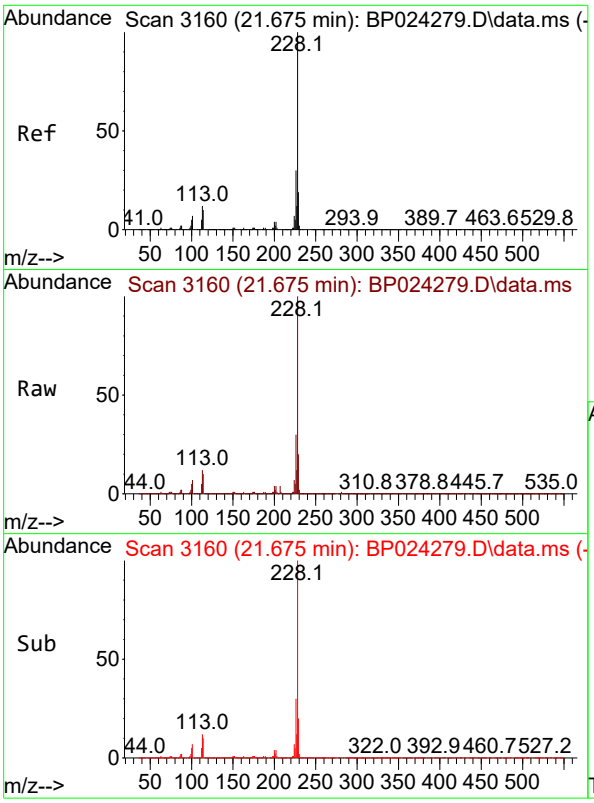


#82
3,3'-Dichlorobenzidine
Concen: 44.953 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 1311770

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.0	8.8	13.2



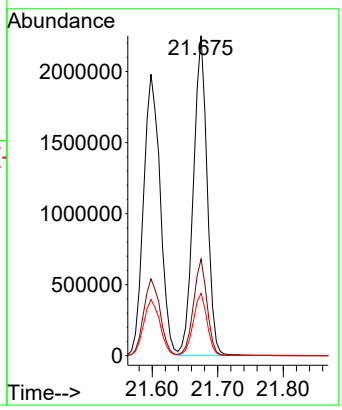


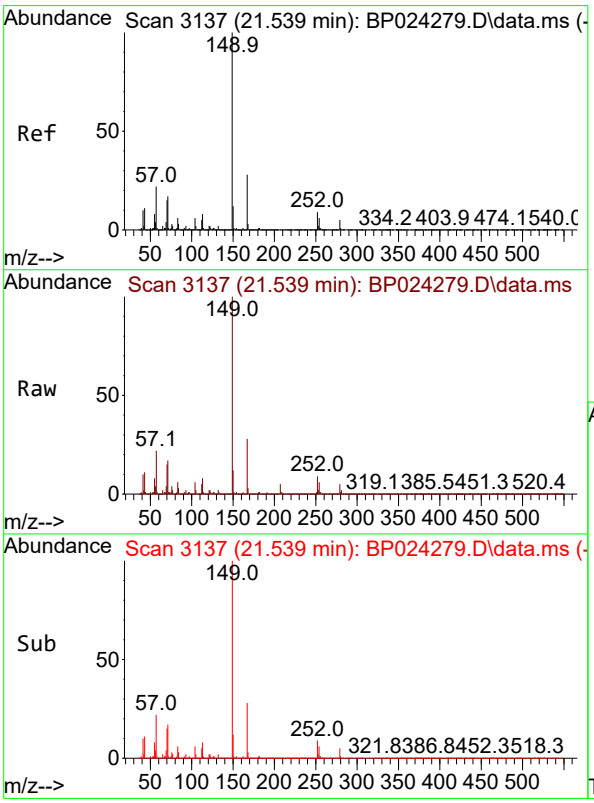
#83
Chrysene
Concen: 40.596 ng
RT: 21.675 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3274153

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.5	15.6	23.4

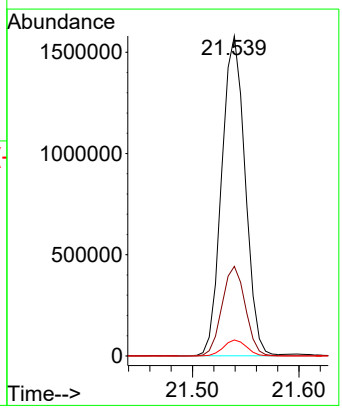


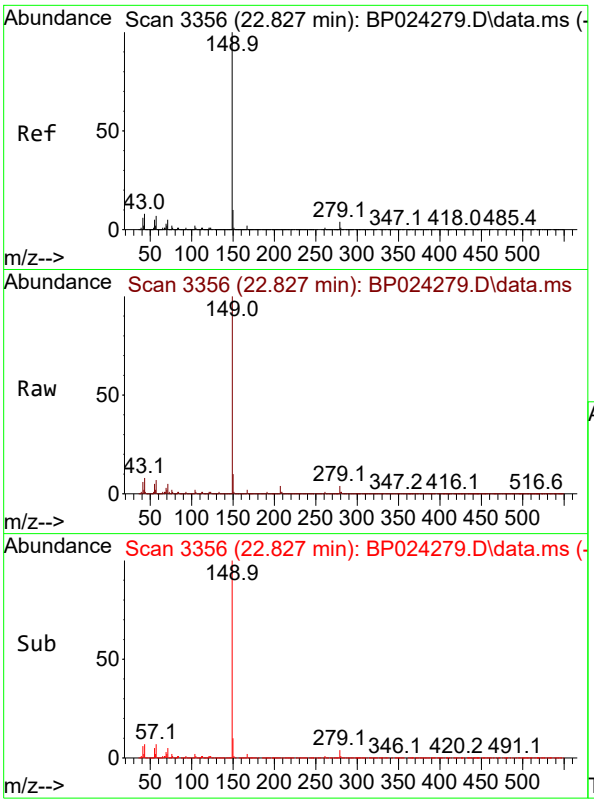


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.979 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2411998

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.0	4.0	6.0



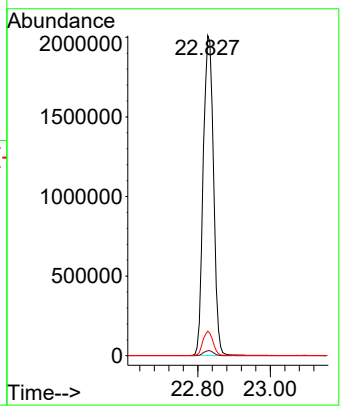


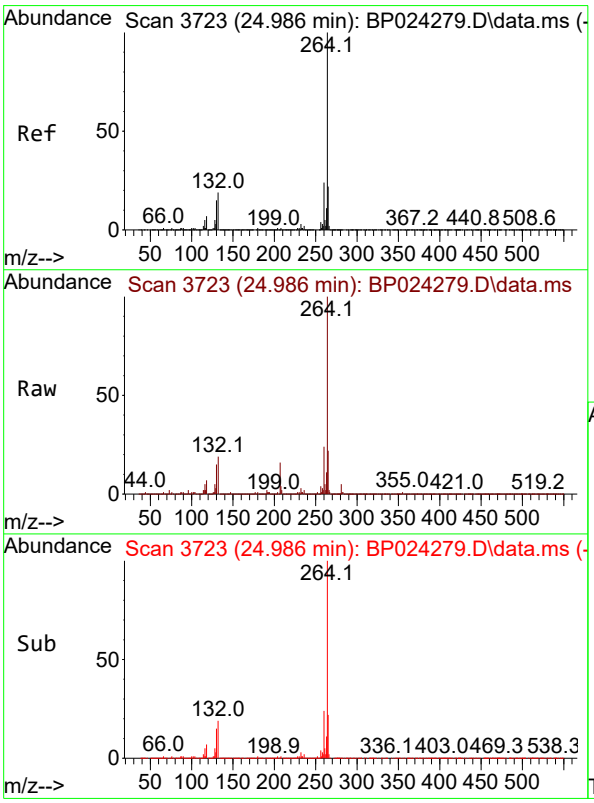
#85
Di-n-octyl phthalate
Concen: 45.913 ng
RT: 22.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3943939

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.0	9.0

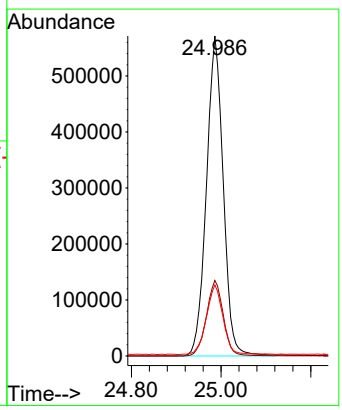


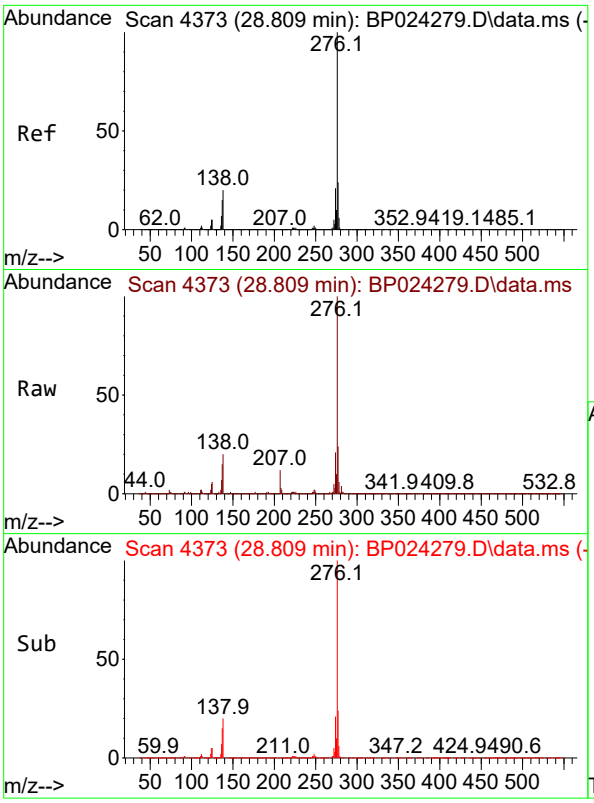


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:264 Resp: 1485135

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.8	26.6



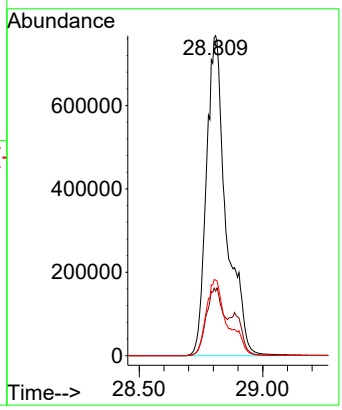


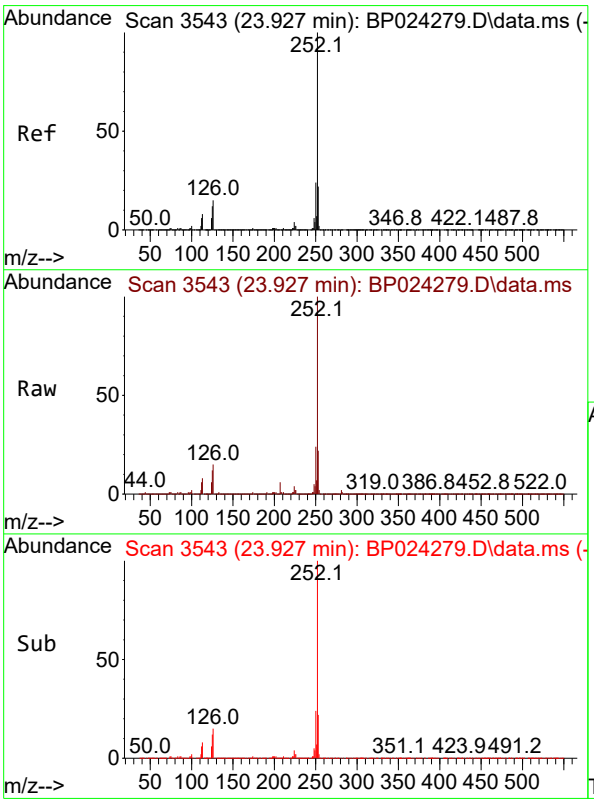
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.987 ng
RT: 28.809 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4288630

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.5	21.7
277	25.2	20.2	30.2

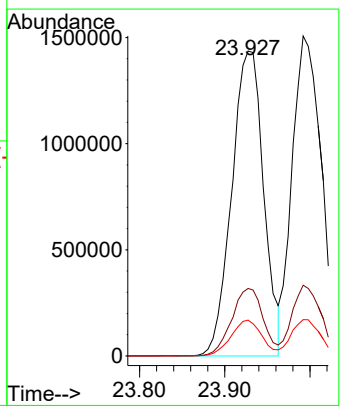


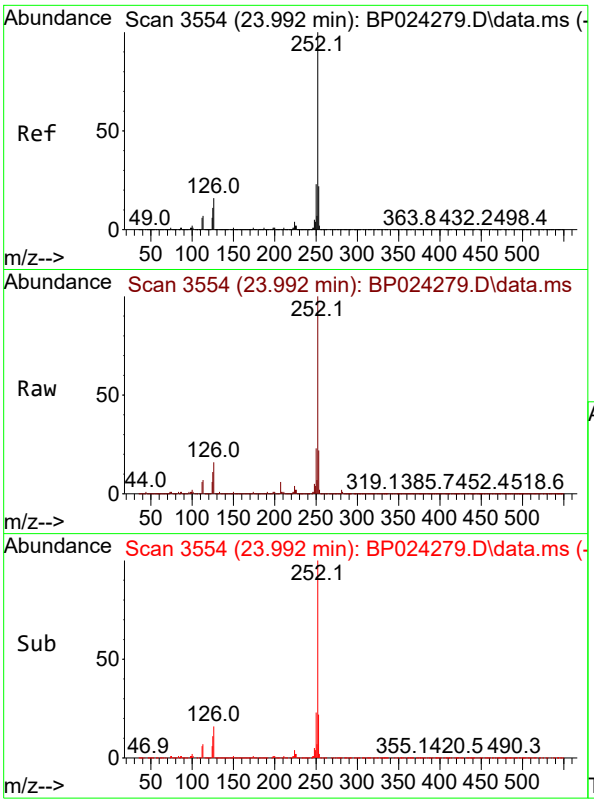


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.927 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3737035

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.7	9.4	14.0



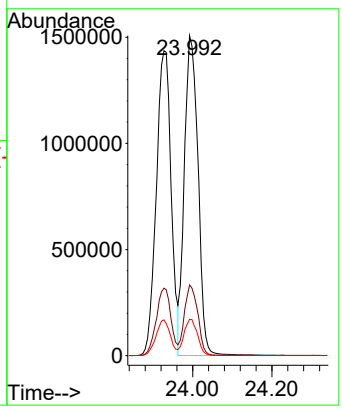


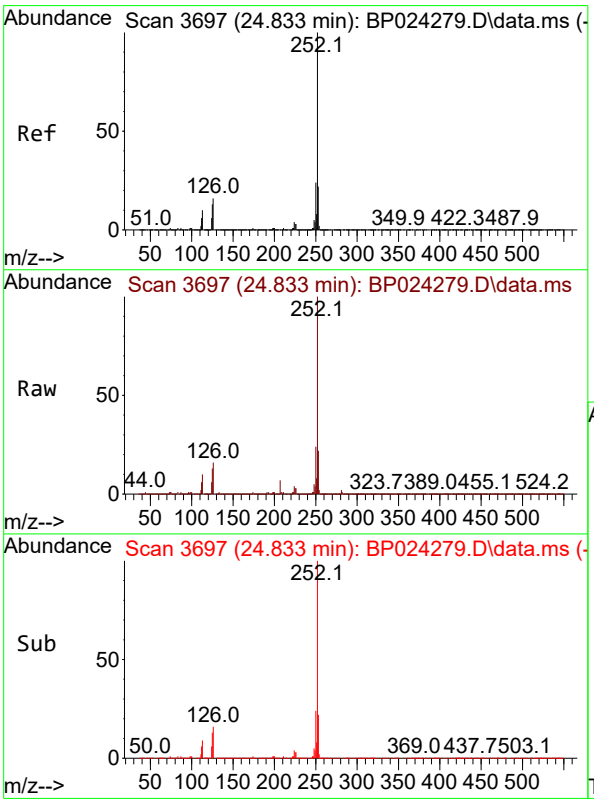
#89
Benzo(k)fluoranthene
Concen: 41.753 ng
RT: 23.992 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3600626

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7

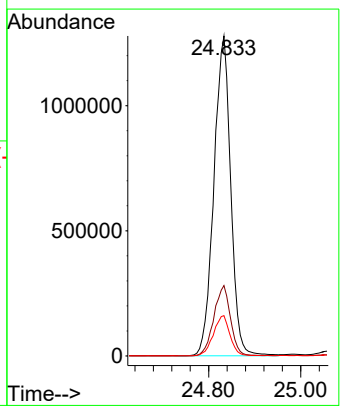


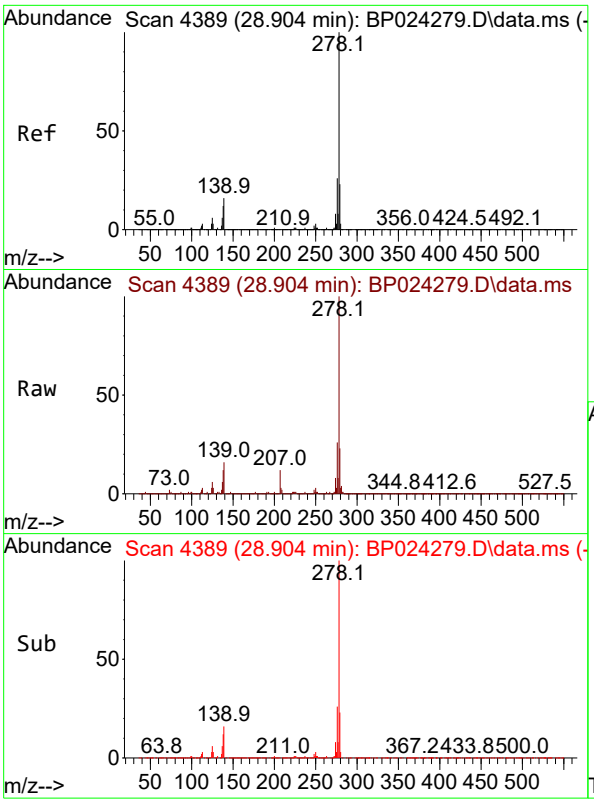


#90
Benzo(a)pyrene
Concen: 42.369 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3240684

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.6	10.1	15.1



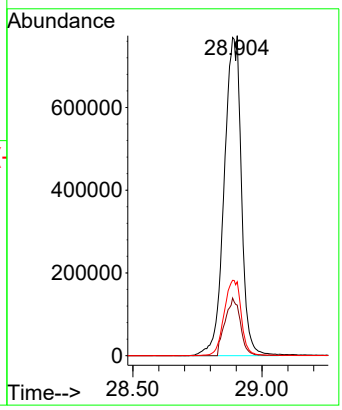


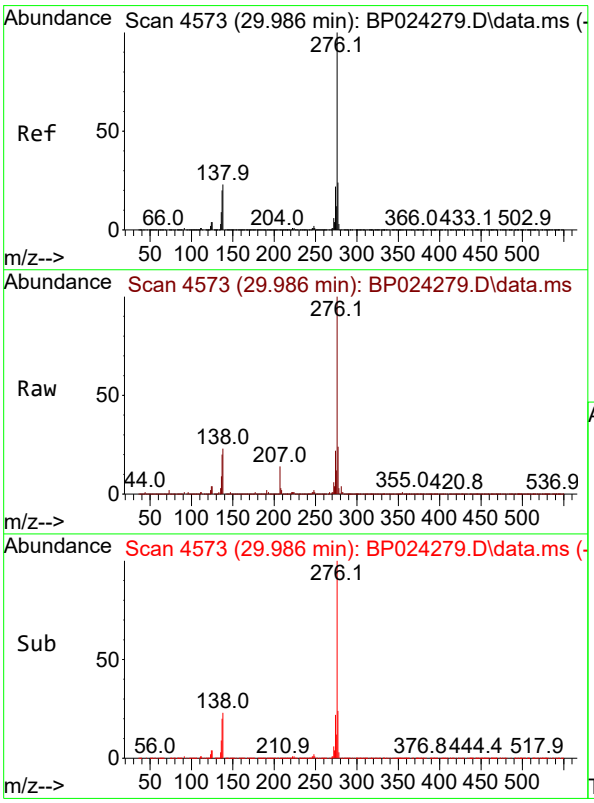
#91
Dibenzo(a,h)anthracene
Concen: 42.061 ng
RT: 28.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3573562

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	19.0
279	23.1	18.5	27.7

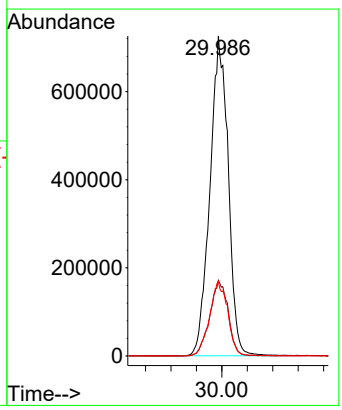




#92
Benzo(g,h,i)perylene
Concen: 41.826 ng
RT: 29.986 min Scan# 4573
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:276 Resp: 3617069

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	23.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	924382m	49.495	ng		
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

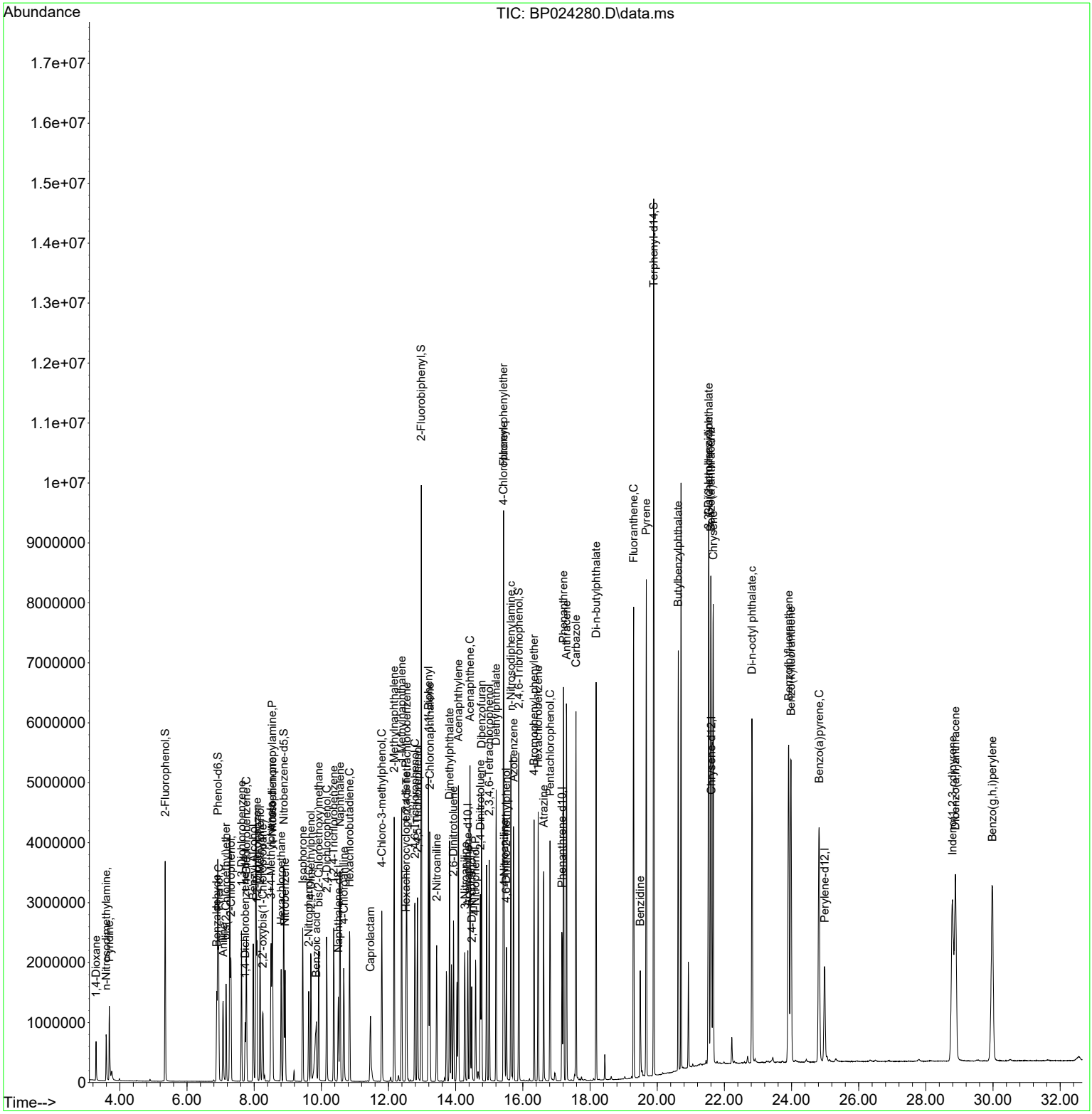
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

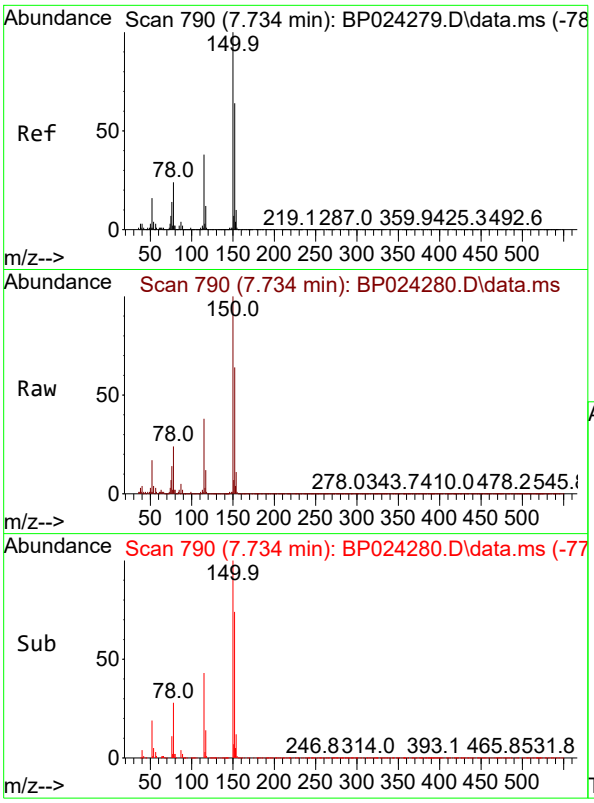
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



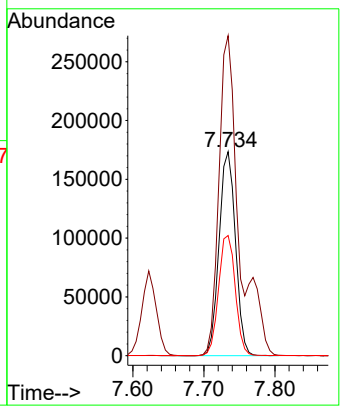


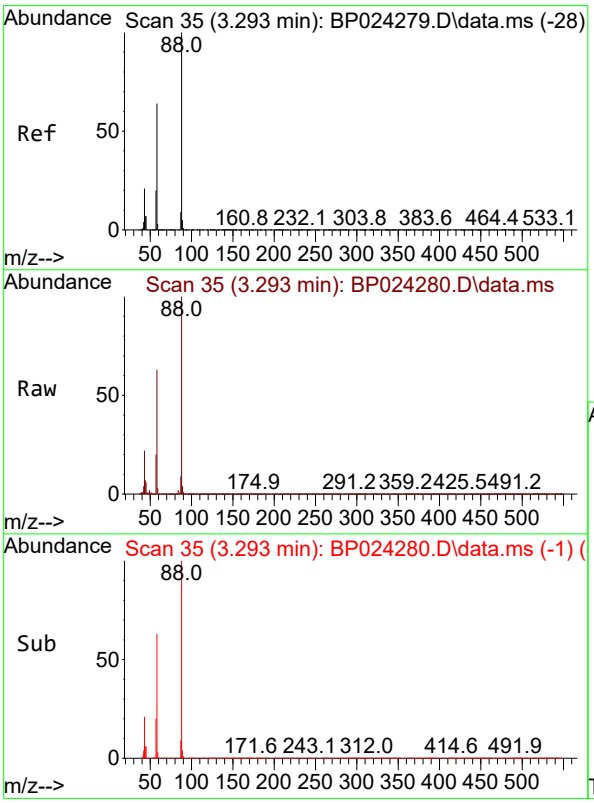
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 277364

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	58.9	47.7	71.5

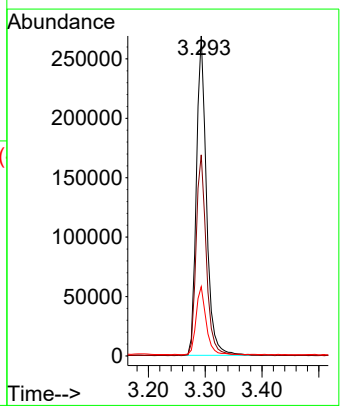


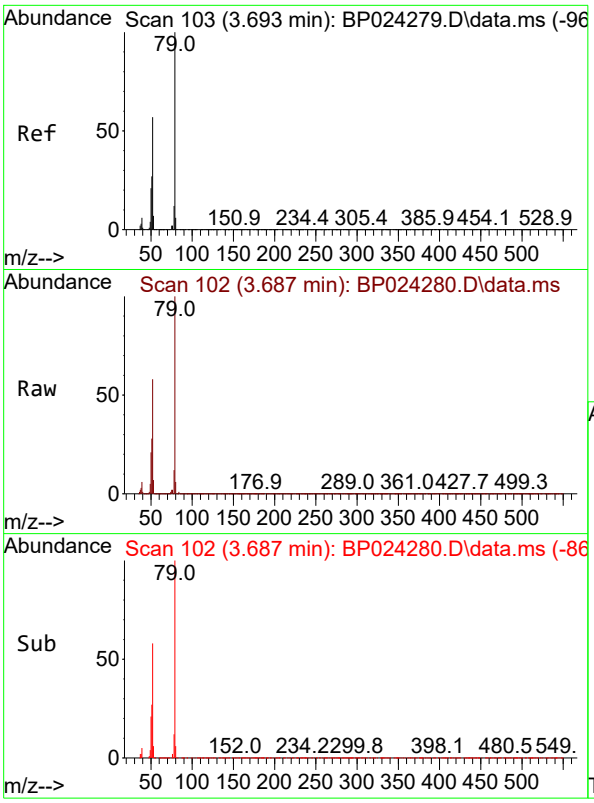


#2
1,4-Dioxane
Concen: 46.479 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 88 Resp: 333474

Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.4	77.2
43	21.2	17.1	25.7



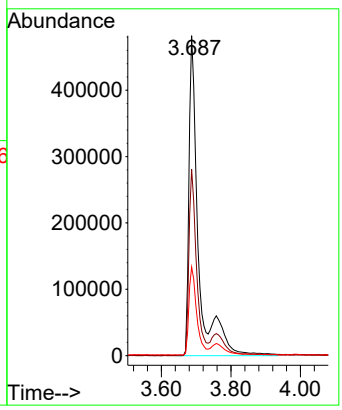


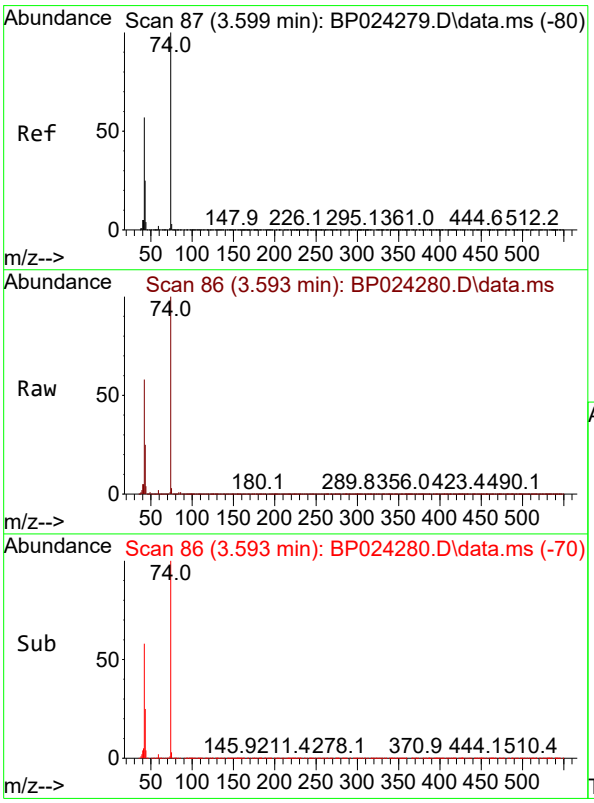
#3
Pyridine
Concen: 49.495 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 924382

Ion	Ratio	Lower	Upper
79	100		
52	58.2	45.4	68.2
51	27.7	22.6	33.8

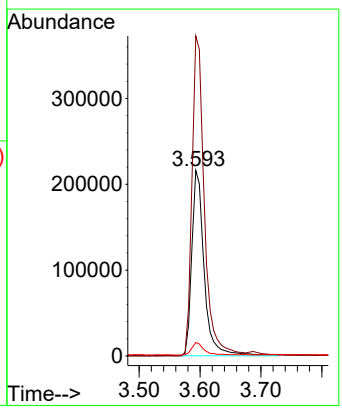


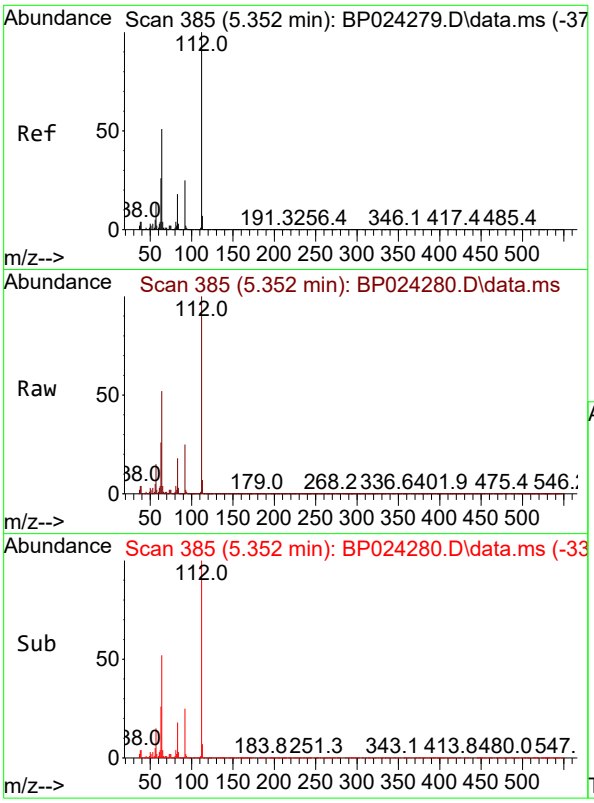


#4
n-Nitrosodimethylamine
Concen: 49.180 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 42 Resp: 306279

Ion	Ratio	Lower	Upper
42	100		
74	172.6	139.5	209.3
44	7.3	5.8	8.8



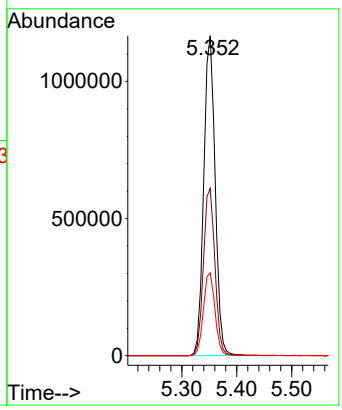


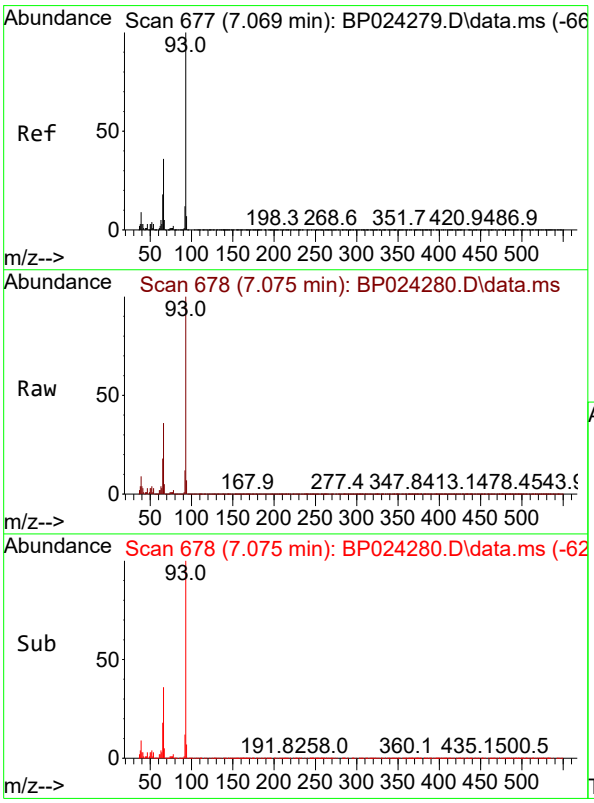
#5
2-Fluorophenol
Concen: 99.834 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1677842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.1	61.7
63	25.9	20.6	30.8

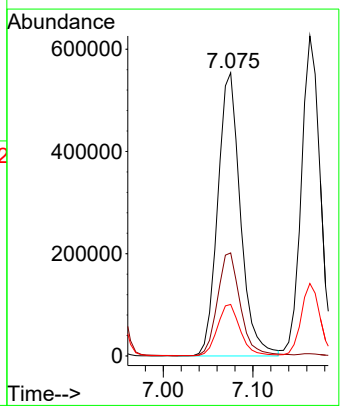


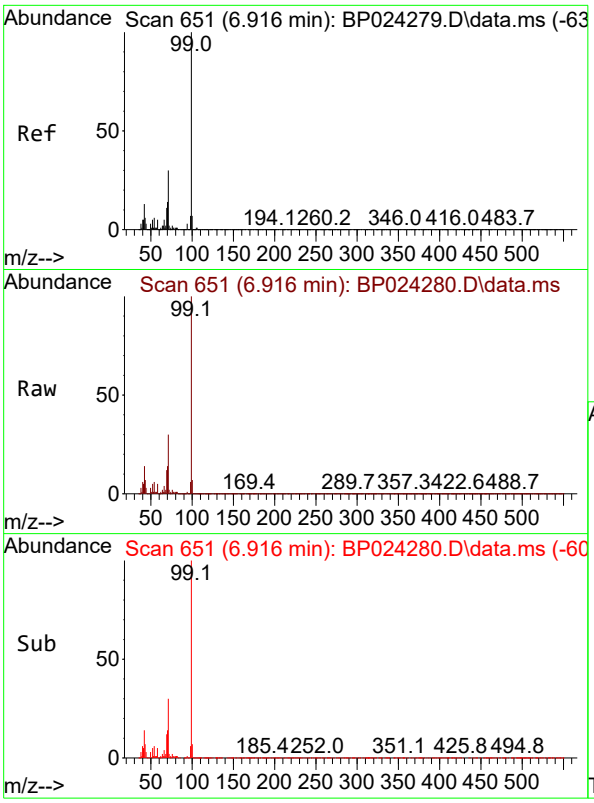


#6
Aniline
Concen: 46.879 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 972988

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.2	14.7	22.1



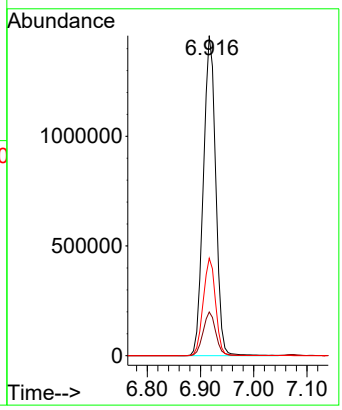


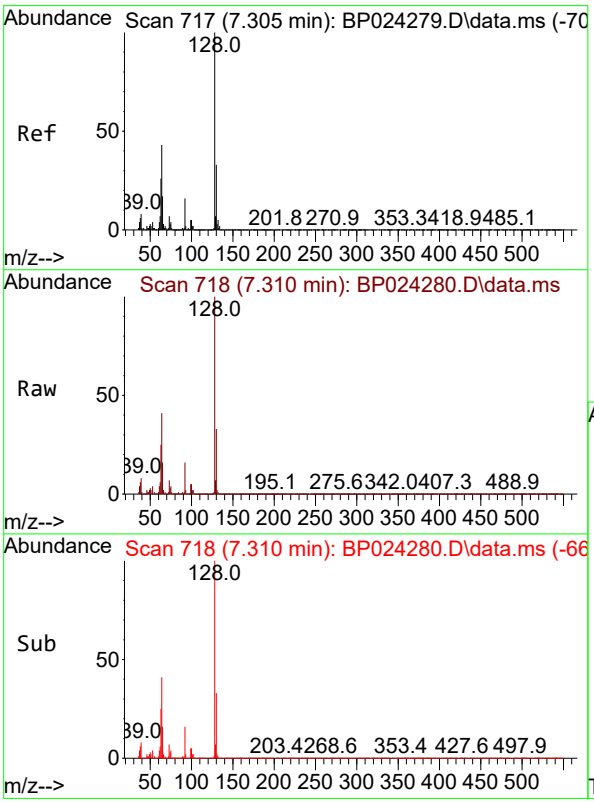
#7
Phenol-d6
Concen: 102.366 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2353543

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.4	23.7	35.5

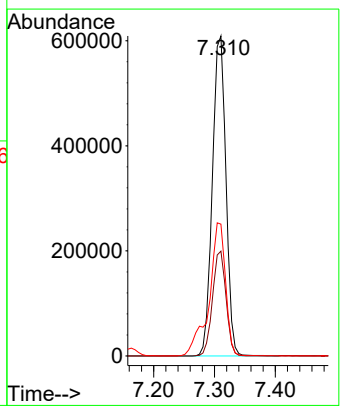


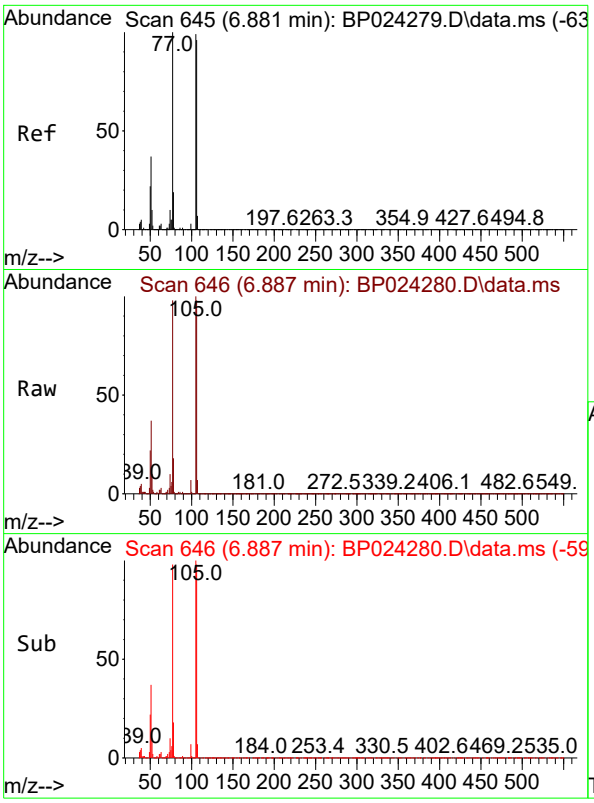


#8
2-Chlorophenol
Concen: 50.160 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:128 Resp: 942078

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.2	22.7	62.7



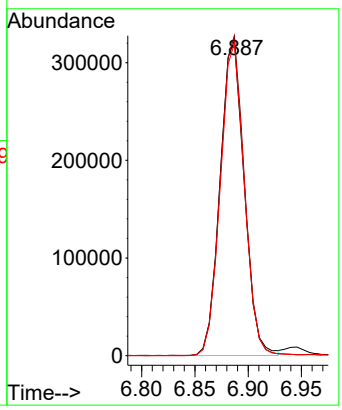


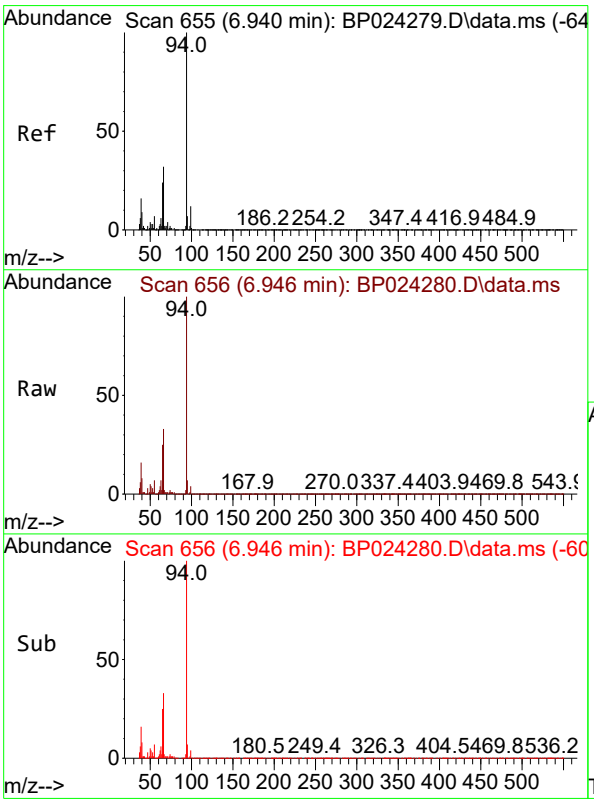
#9
Benzaldehyde
Concen: 42.627 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 507606

Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.2	119.2
106	99.2	76.2	116.2

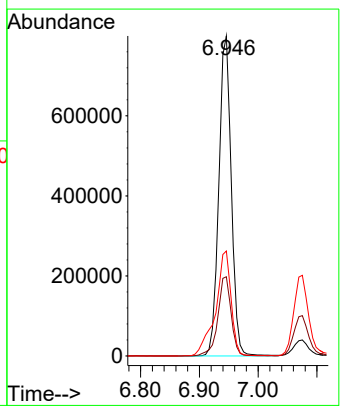


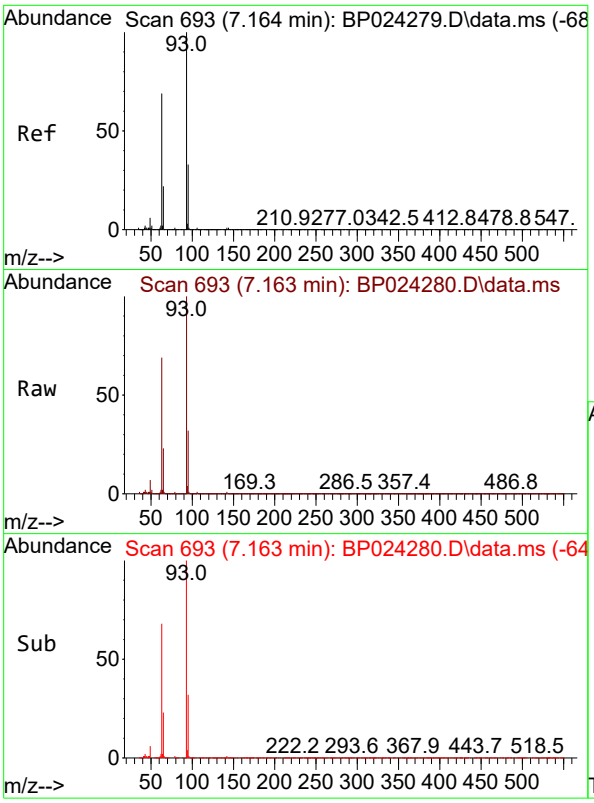


#10
Phenol
Concen: 51.012 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 94 Resp: 1177623

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



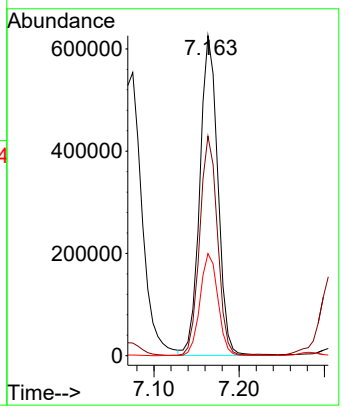


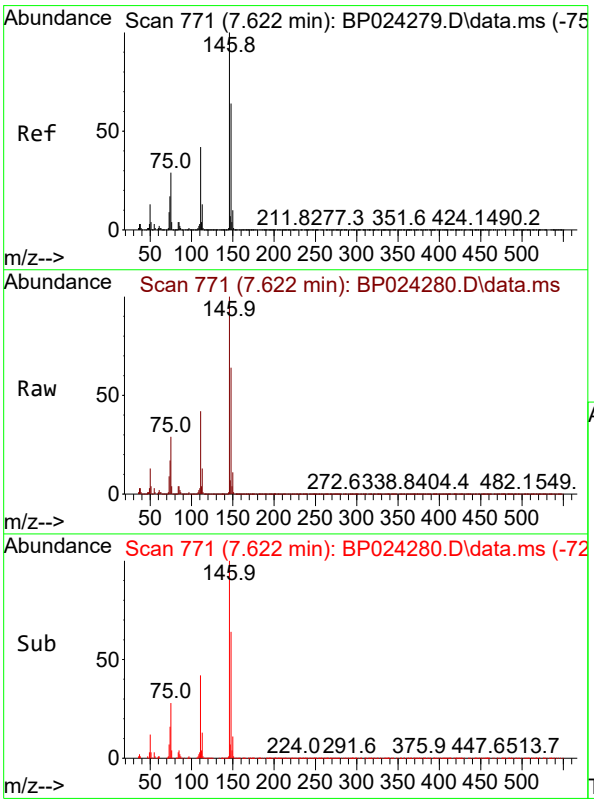
#11
bis(2-Chloroethyl)ether
Concen: 49.085 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 915679

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	31.9	12.3	52.3

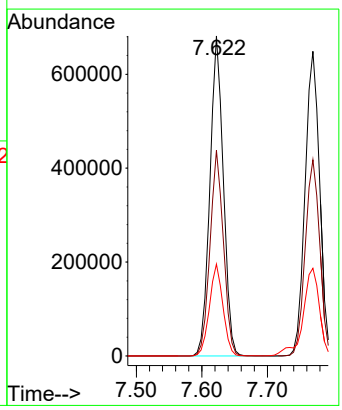


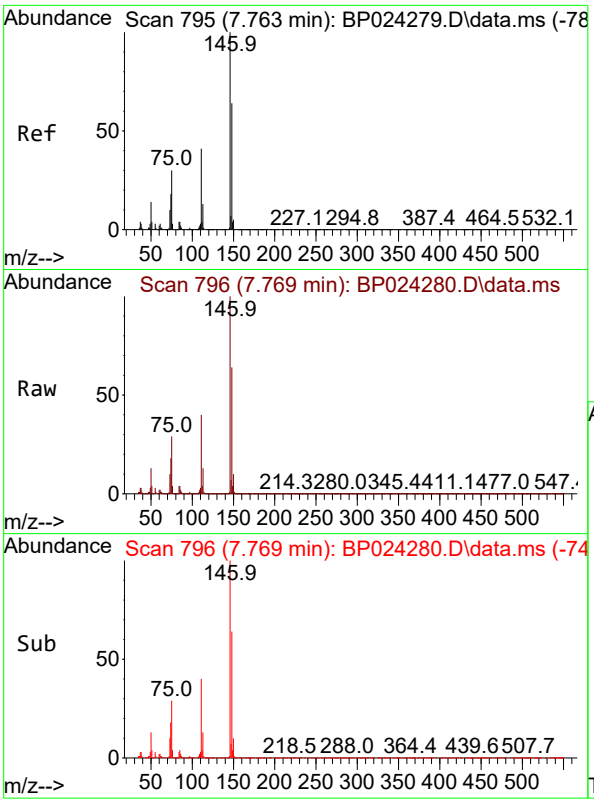


#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 972089

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.7	22.9	34.3



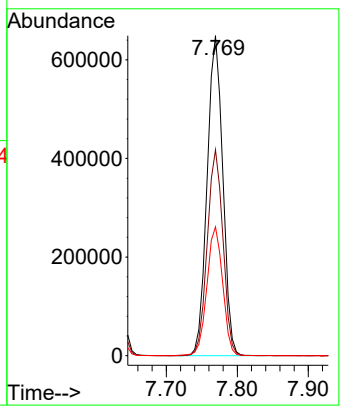


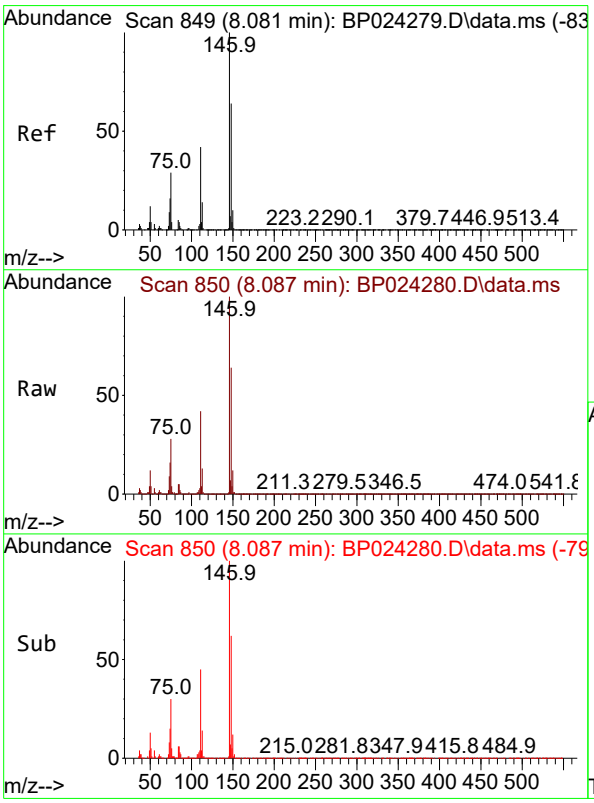
#13
1,4-Dichlorobenzene
Concen: 48.262 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 995872

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	40.3	32.6	48.8

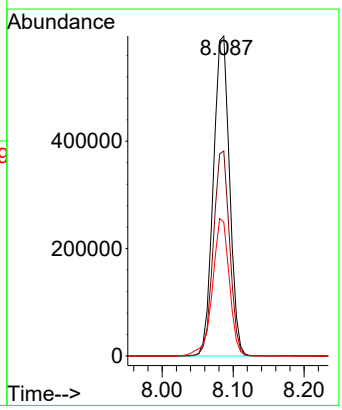


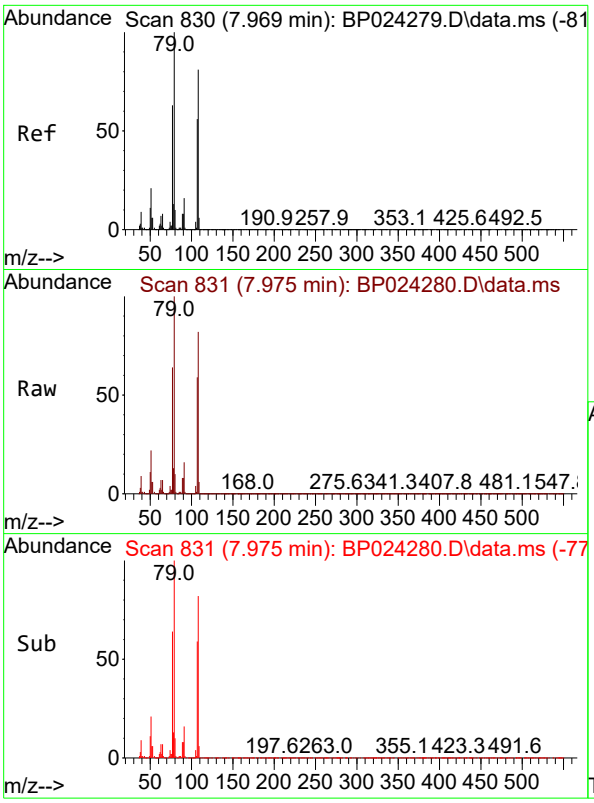


#14
1,2-Dichlorobenzene
Concen: 47.327 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 944314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.8	33.8	50.8



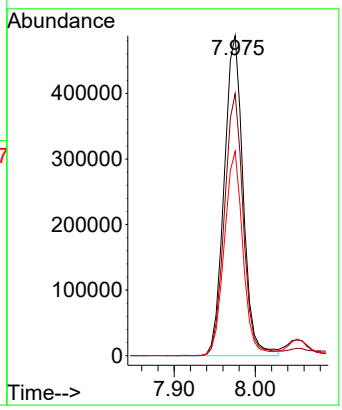


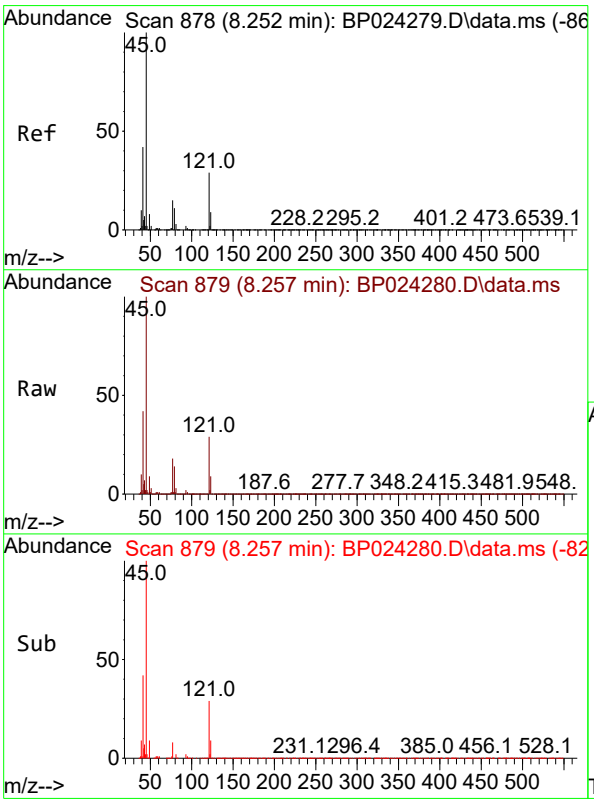
#15
Benzyl Alcohol
Concen: 53.745 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 791998

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.1	97.7
77	63.9	50.7	76.1

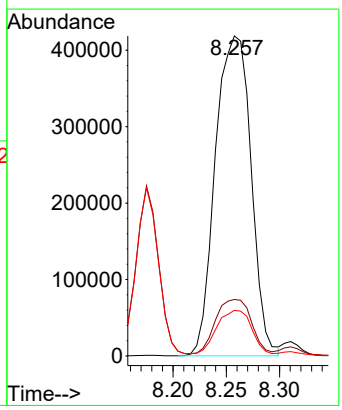


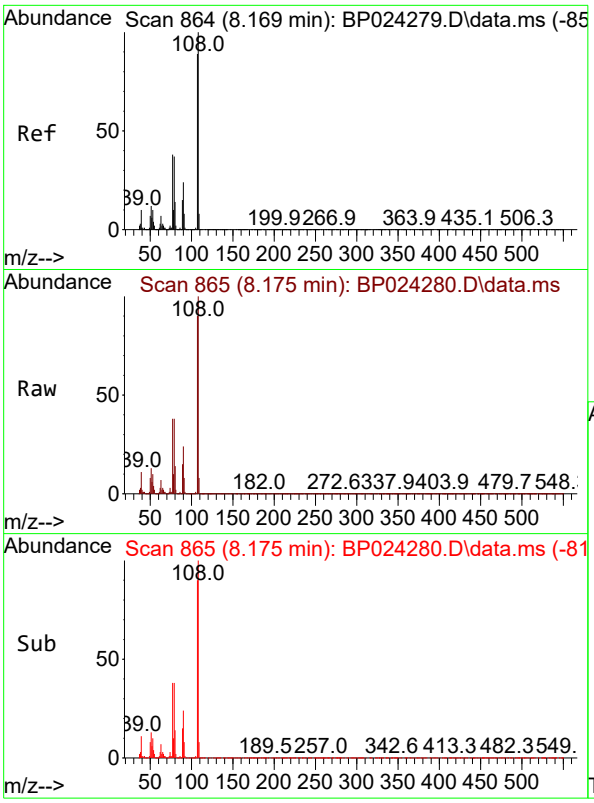


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.988 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 45 Resp: 973910

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	14.2	0.0	33.5



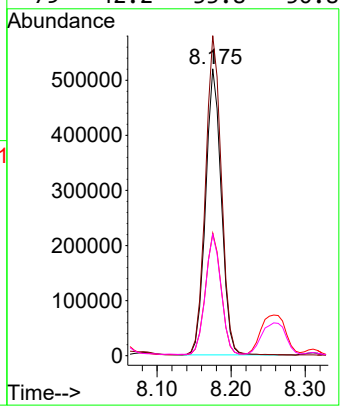


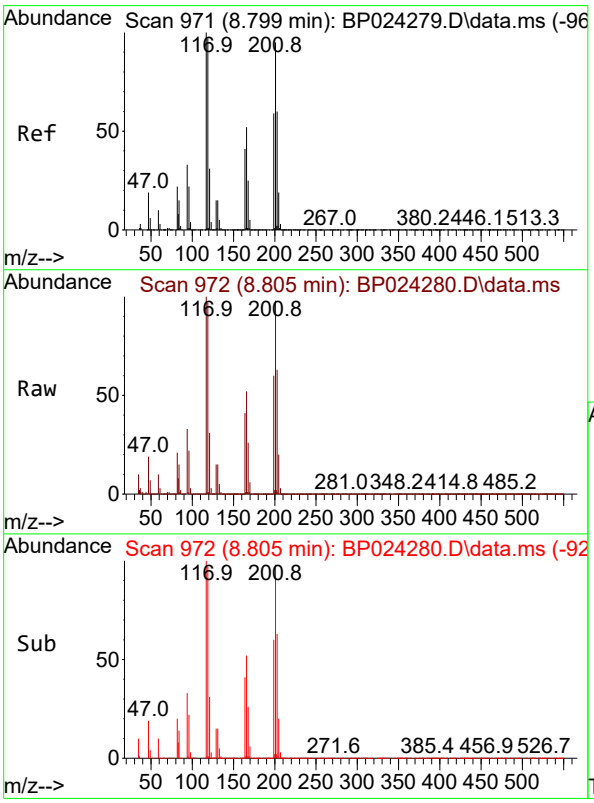
#17
2-Methylphenol
Concen: 51.526 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 766536

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	42.7	34.2	51.4
79	42.2	33.8	50.8

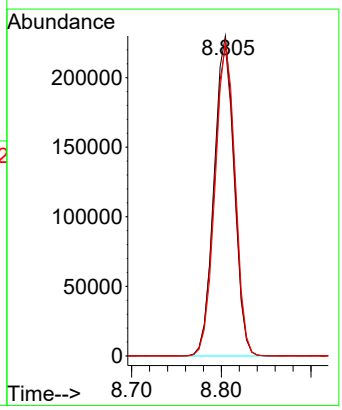


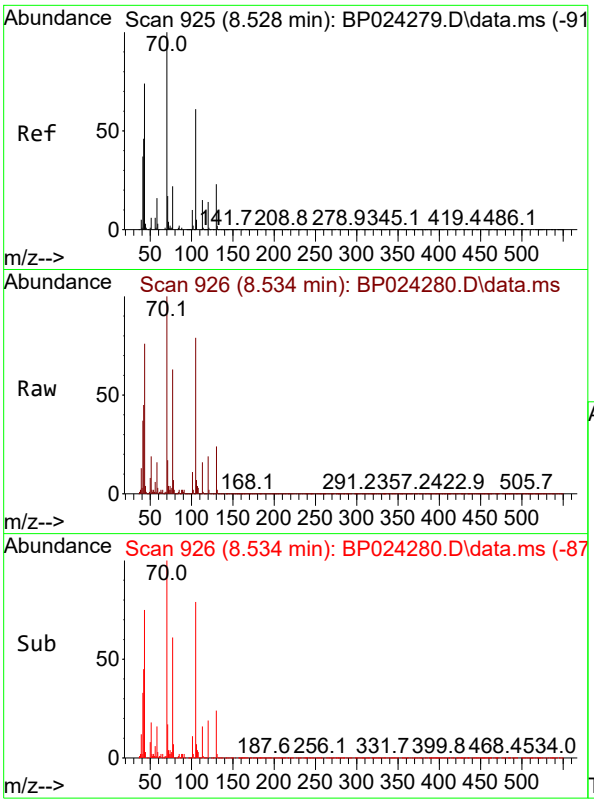


#18
Hexachloroethane
Concen: 48.472 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:117 Resp: 360999

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	98.2	75.9	113.9



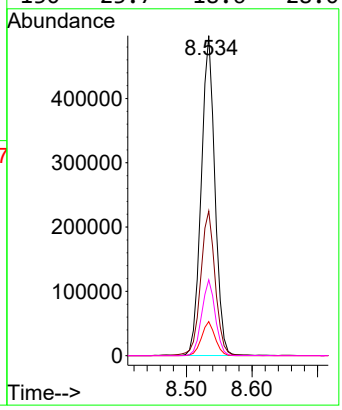


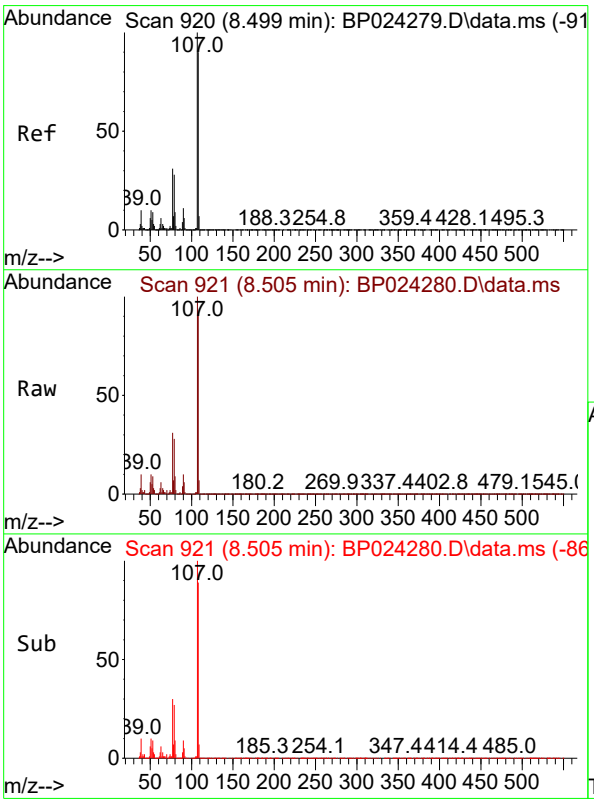
#19
n-Nitroso-di-n-propylamine
Concen: 50.562 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 722064

Ion	Ratio	Lower	Upper
70	100		
42	45.2	37.3	55.9
101	10.6	8.2	12.4
130	23.7	18.6	28.0

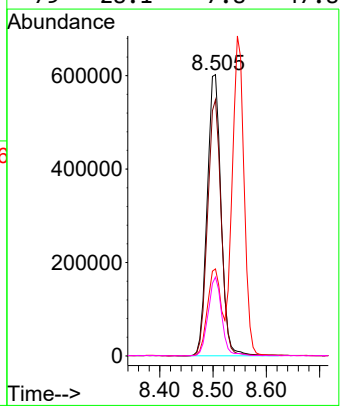


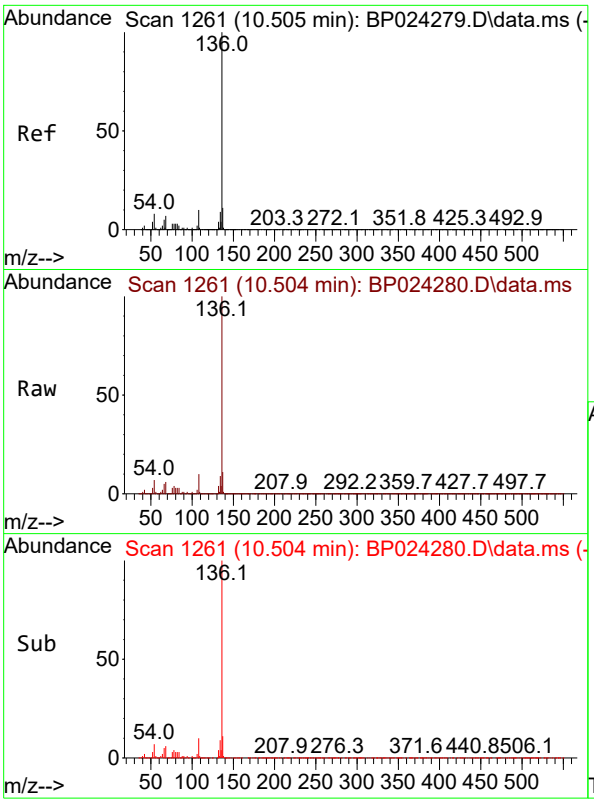


#20
3+4-Methylphenols
Concen: 52.718 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1086273

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	31.0	11.5	51.5
79	28.1	7.8	47.8



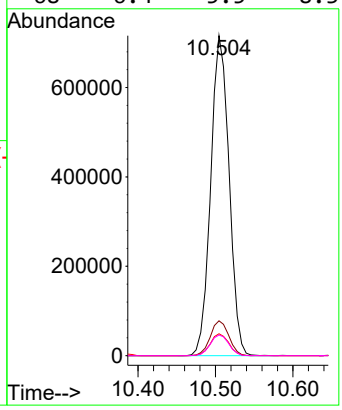


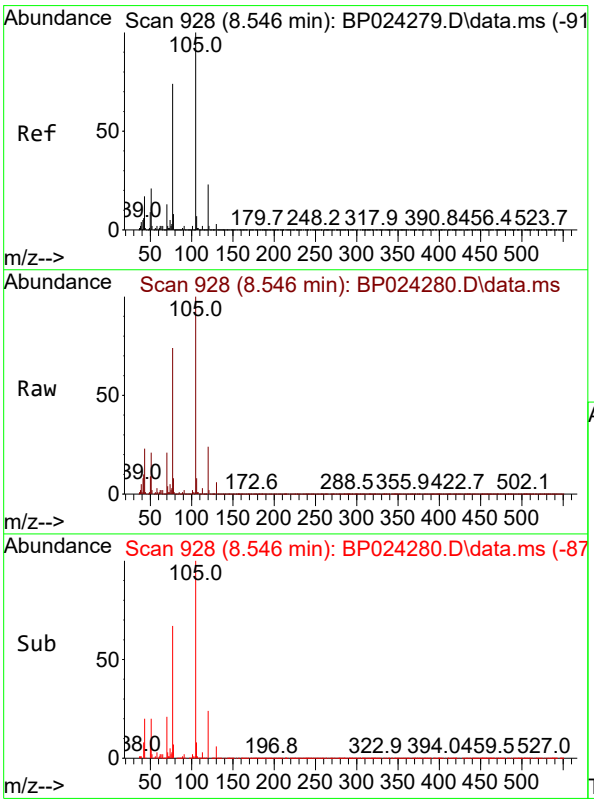
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1176925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3

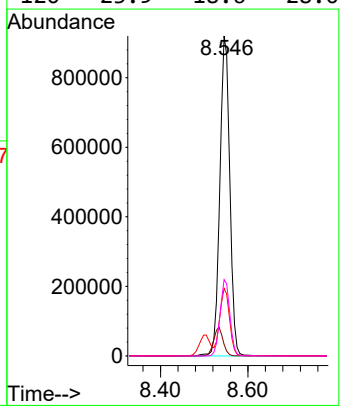


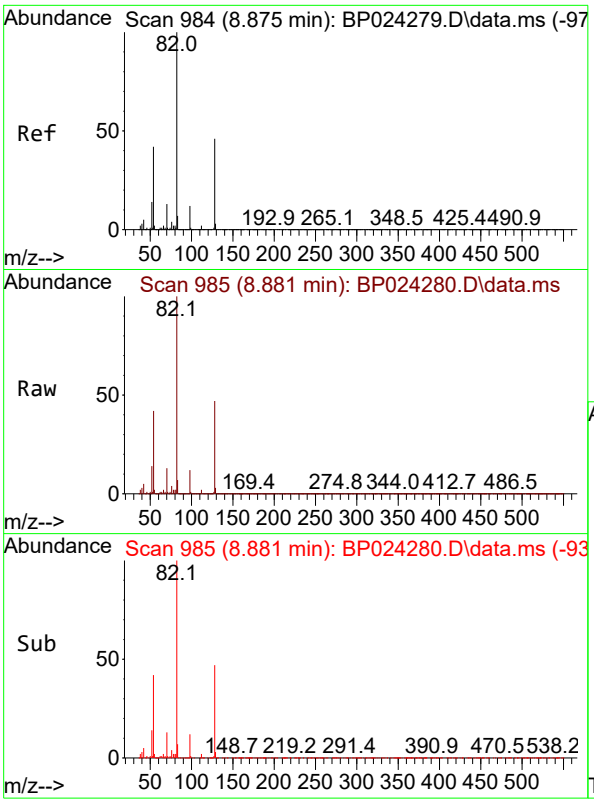


#22
Acetophenone
Concen: 49.289 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:105 Resp: 1441728

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.7	2.5#
51	21.1	16.9	25.3
120	23.9	18.6	28.0



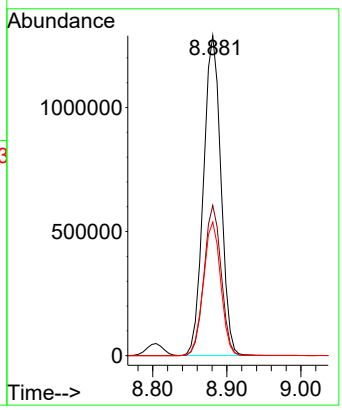


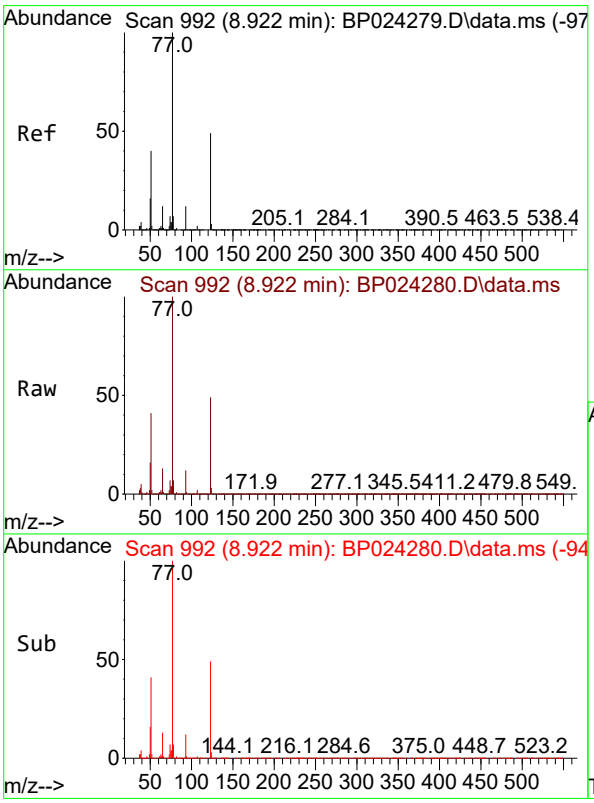
#23
Nitrobenzene-d5
Concen: 101.588 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2100100

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.5	54.7
54	41.8	33.4	50.2

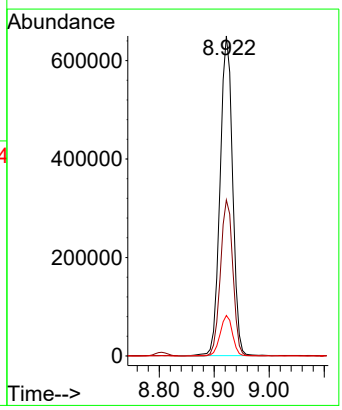


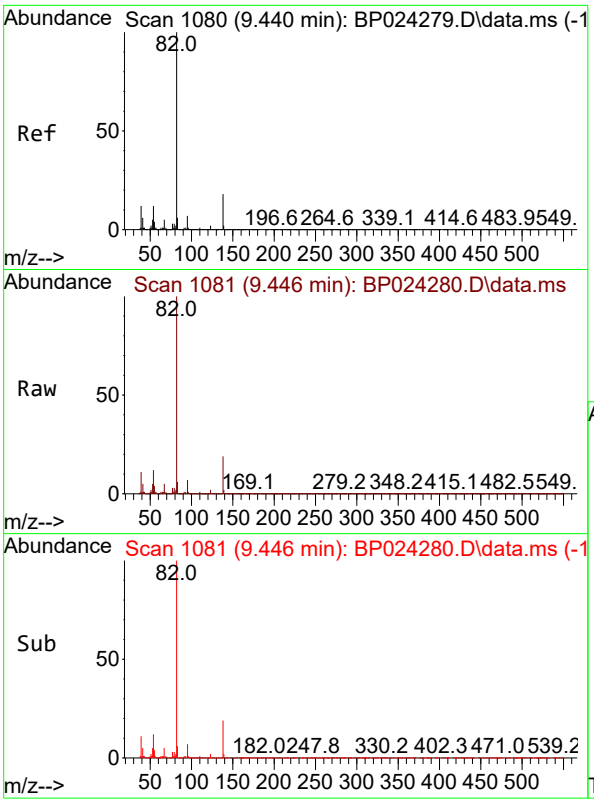


#24
Nitrobenzene
Concen: 50.074 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 77 Resp: 1025983

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.7	9.8	14.6



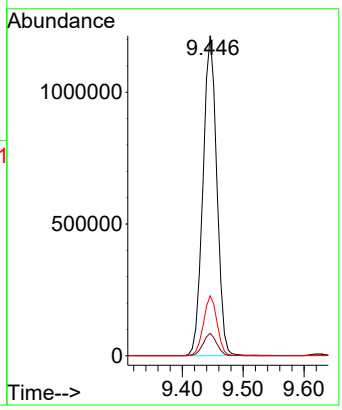


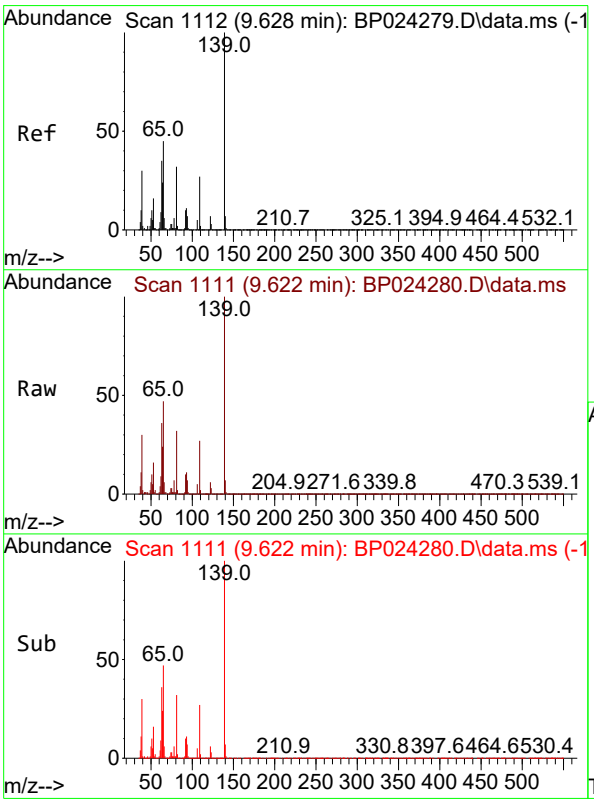
#25
Isophorone
Concen: 51.264 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1913172

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.7	14.4	21.6

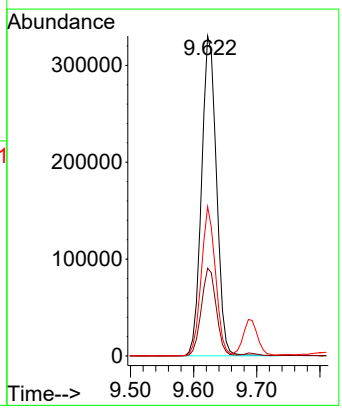


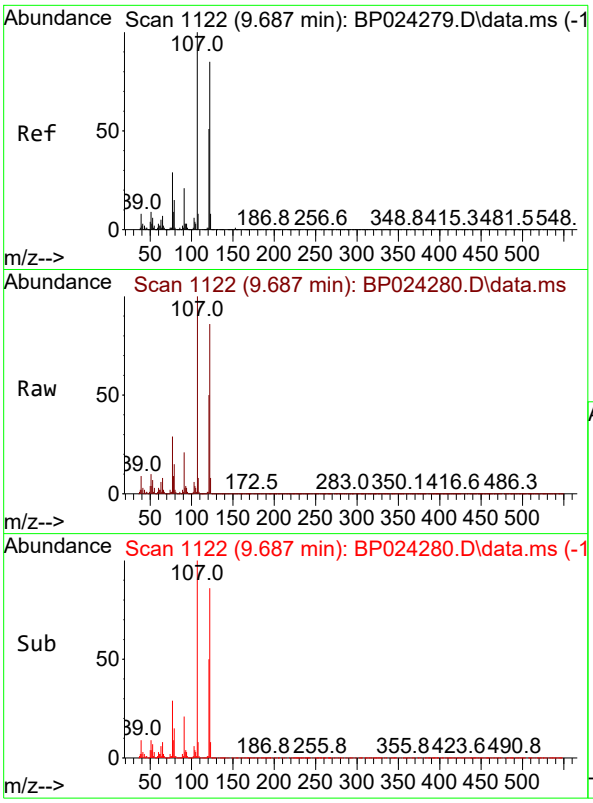


#26
2-Nitrophenol
Concen: 55.024 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 541332

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	46.7	36.2	54.2



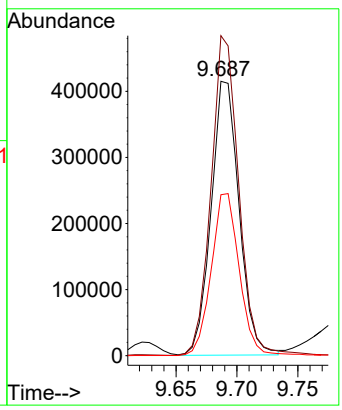


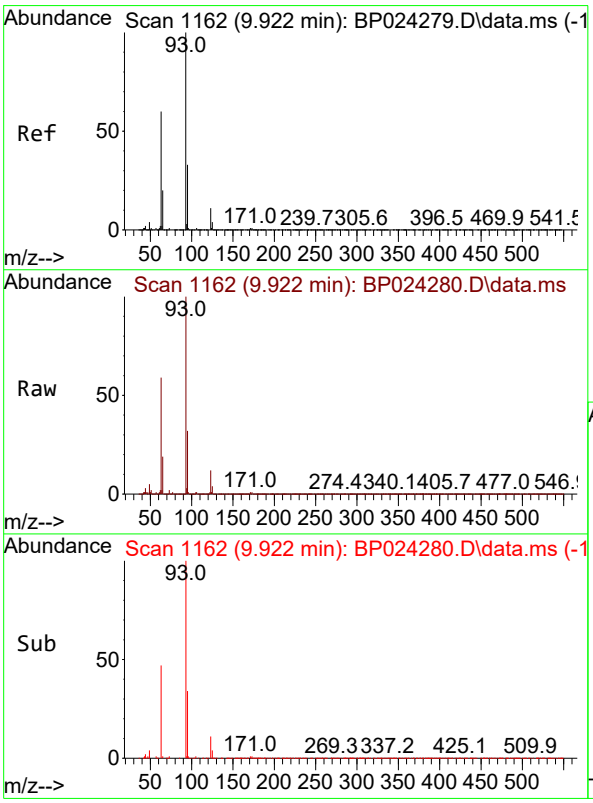
#27
2,4-Dimethylphenol
Concen: 53.106 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 662183

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.7	48.2	72.2

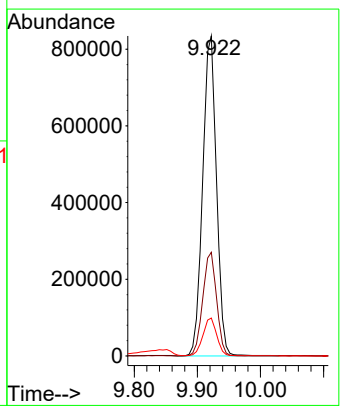


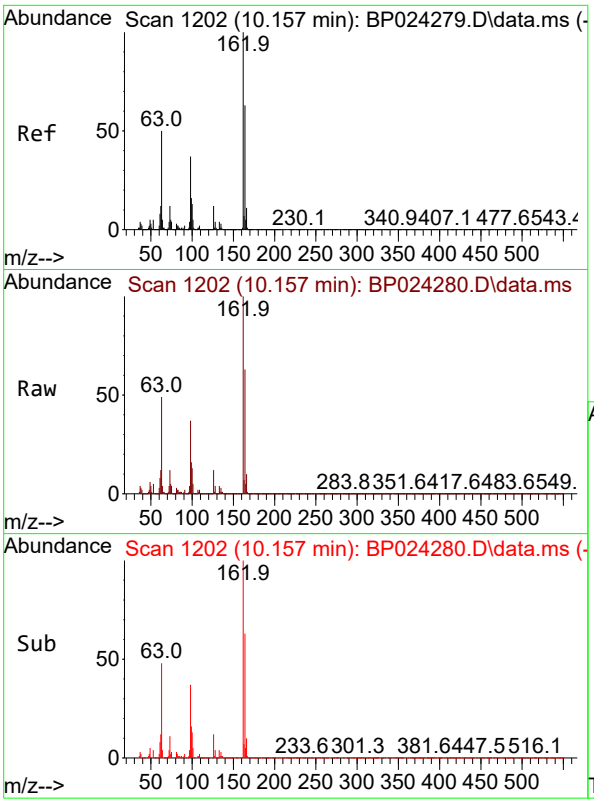


#28
bis(2-Chloroethoxy)methane
Concen: 49.803 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 1265001

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



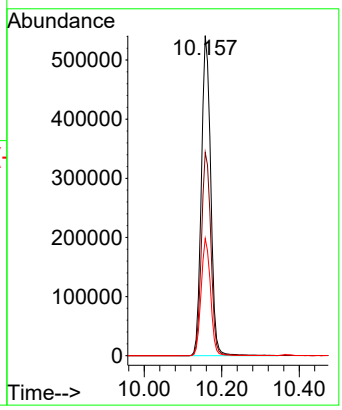


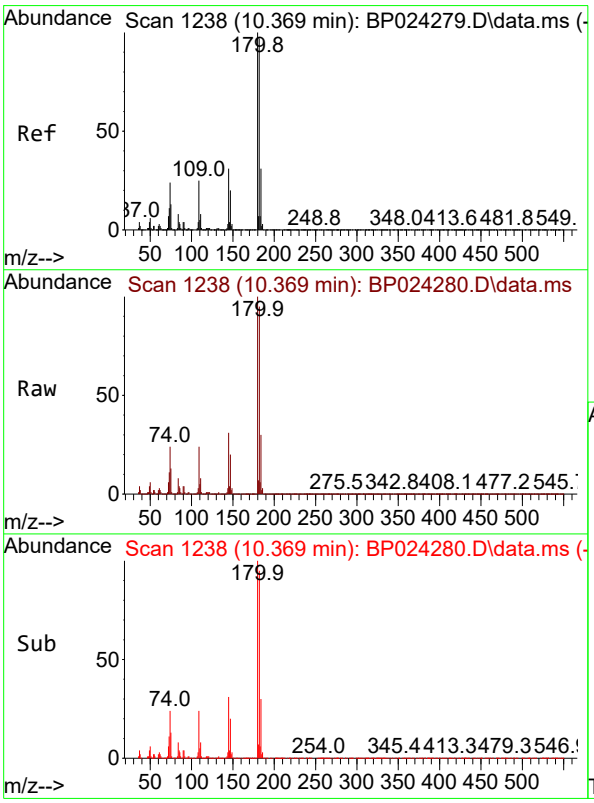
#29
2,4-Dichlorophenol
Concen: 53.225 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904519

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	36.6	16.6	56.6

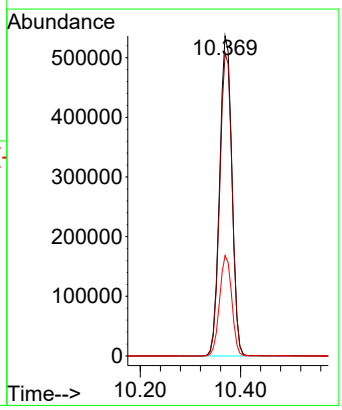


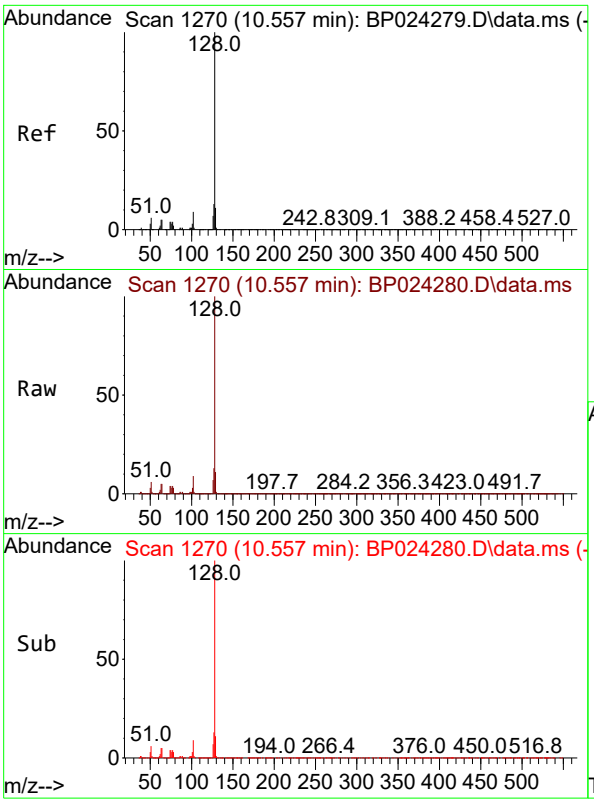


#30
1,2,4-Trichlorobenzene
Concen: 49.426 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:180 Resp: 908732

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	31.4	25.1	37.7



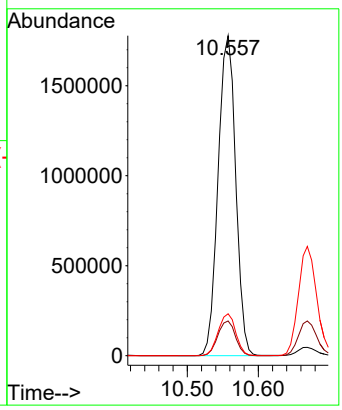


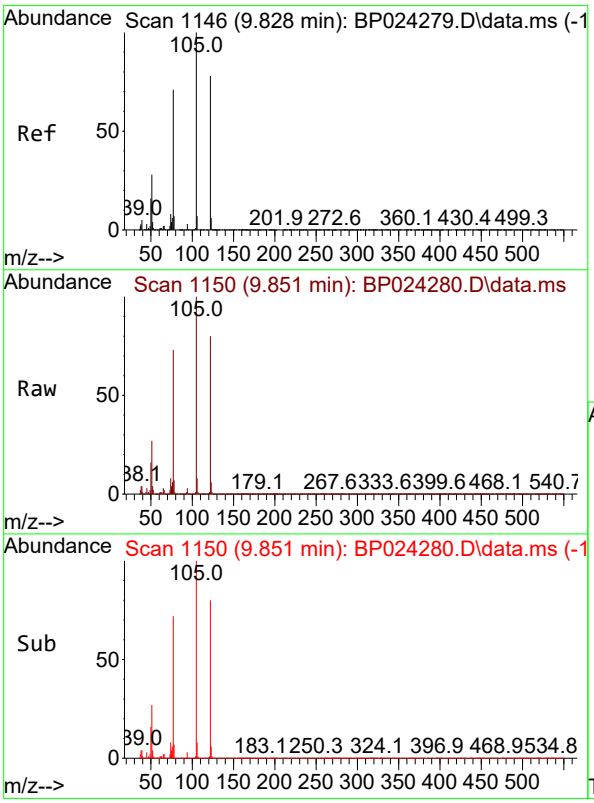
#31
Naphthalene
Concen: 48.957 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3049887

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

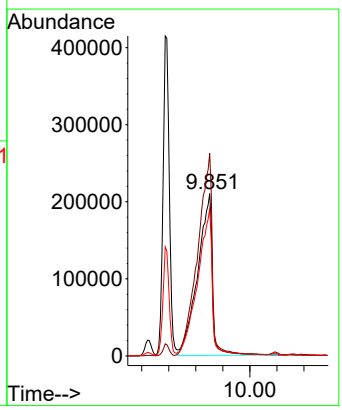


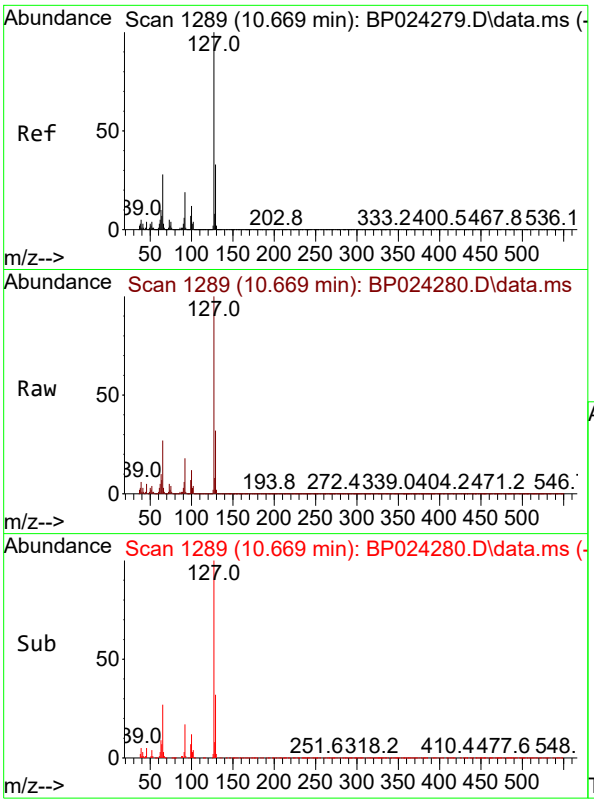


#32
Benzoic acid
Concen: 58.988 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.023 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:122 Resp: 794832

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.8	144.8
77	90.5	69.2	109.2



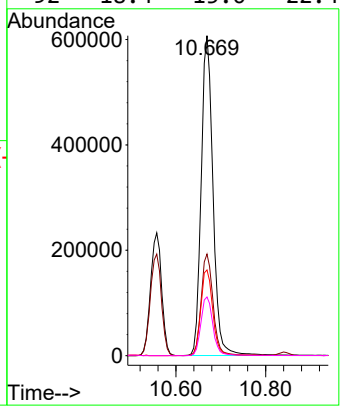


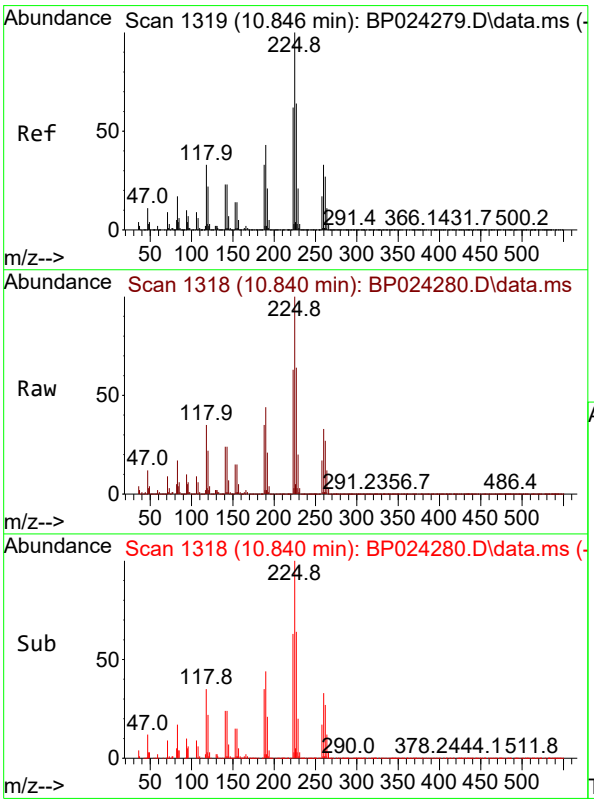
#33
4-Chloroaniline
Concen: 51.030 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1110772

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	26.8	22.1	33.1
92	18.4	15.0	22.4

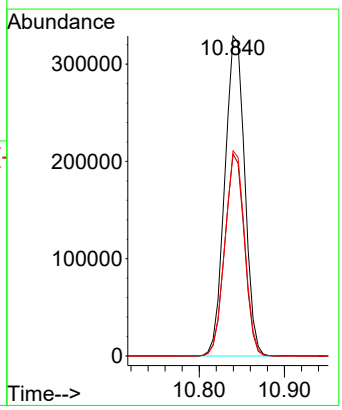


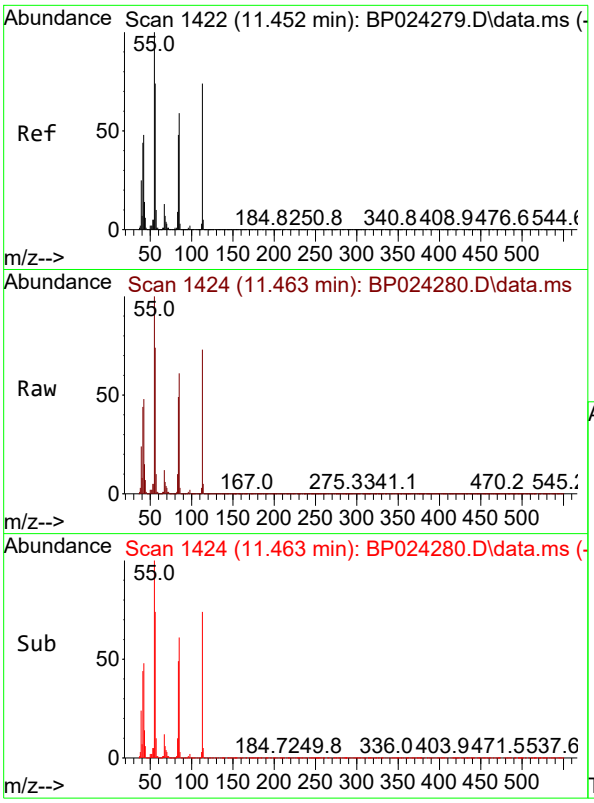


#34
Hexachlorobutadiene
Concen: 49.450 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:225 Resp: 533336

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.5	74.3
227	64.1	50.9	76.3



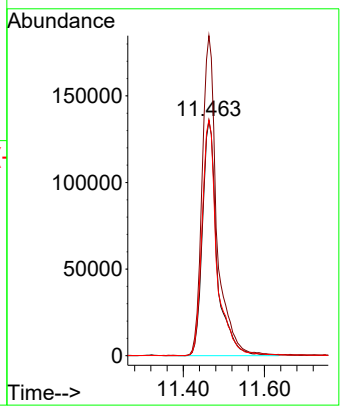


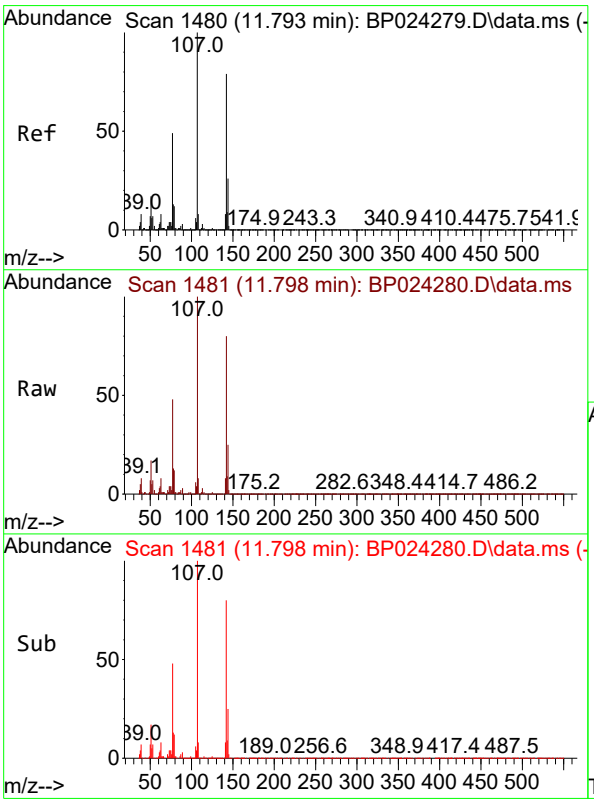
#35
Caprolactam
Concen: 54.466 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 339834

Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.9	155.9
56	100.2	81.1	121.1

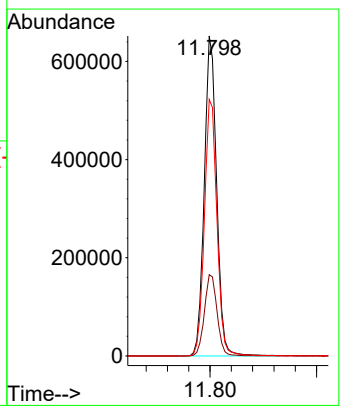


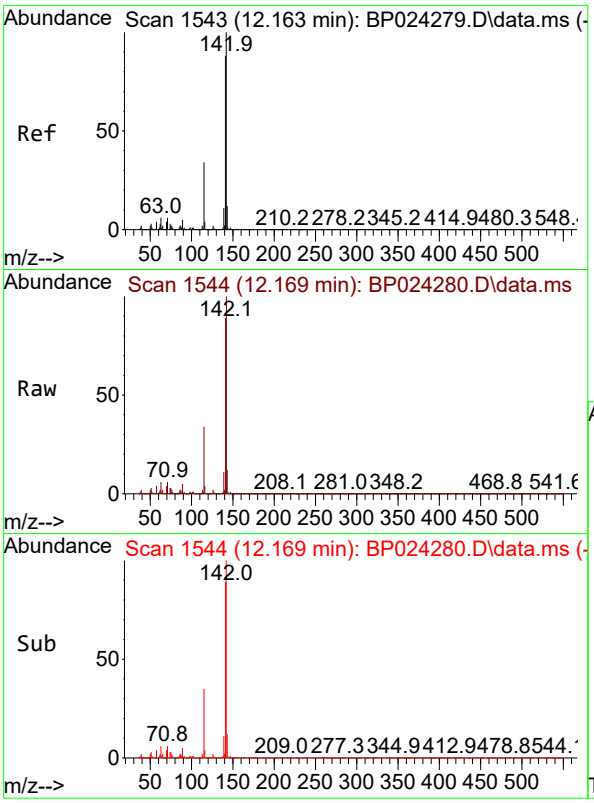


#36
4-Chloro-3-methylphenol
Concen: 52.860 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1046795

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	80.1	63.4	95.2



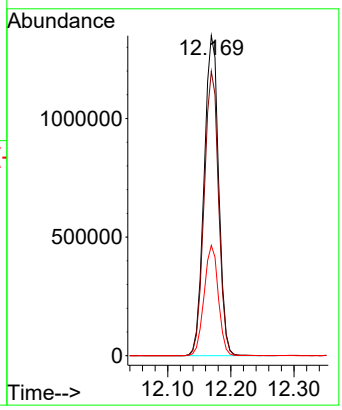


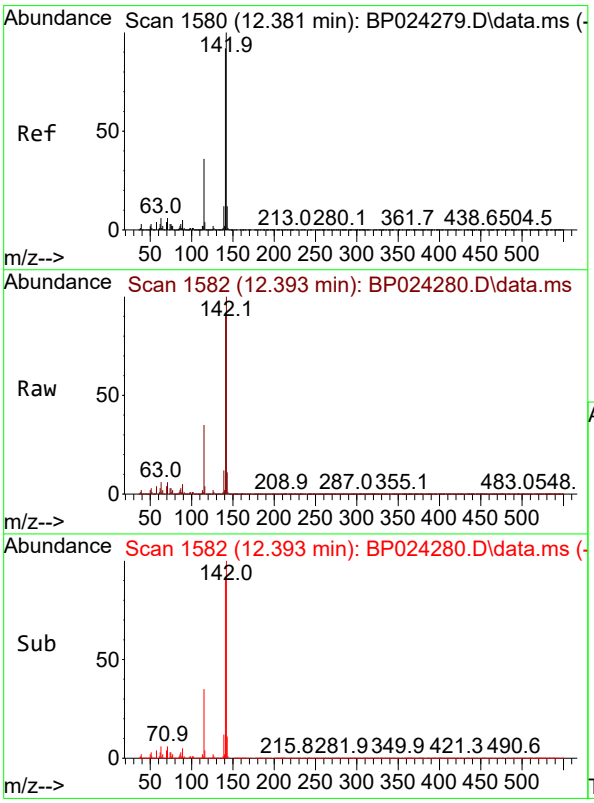
#37
2-Methylnaphthalene
Concen: 49.942 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2156247

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.5	26.9	40.3

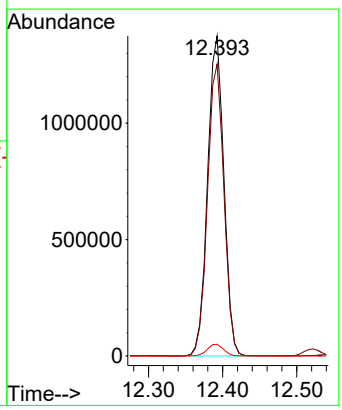


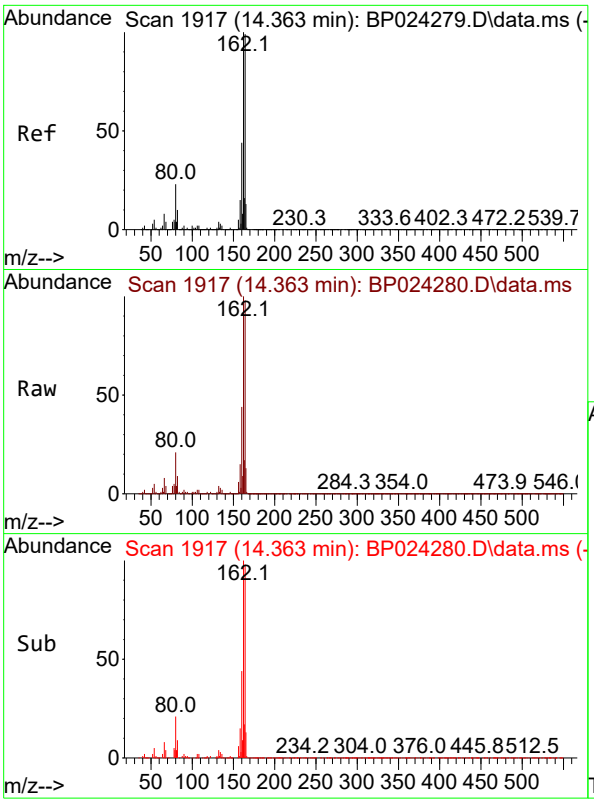


#38
1-Methylnaphthalene
Concen: 49.538 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:142 Resp: 2095184

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.7	3.0	4.6



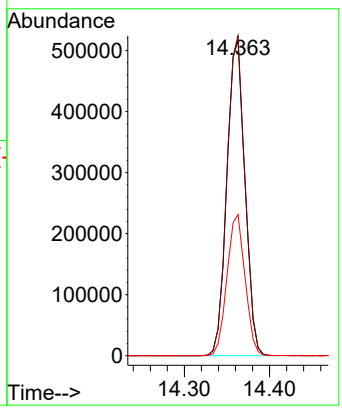


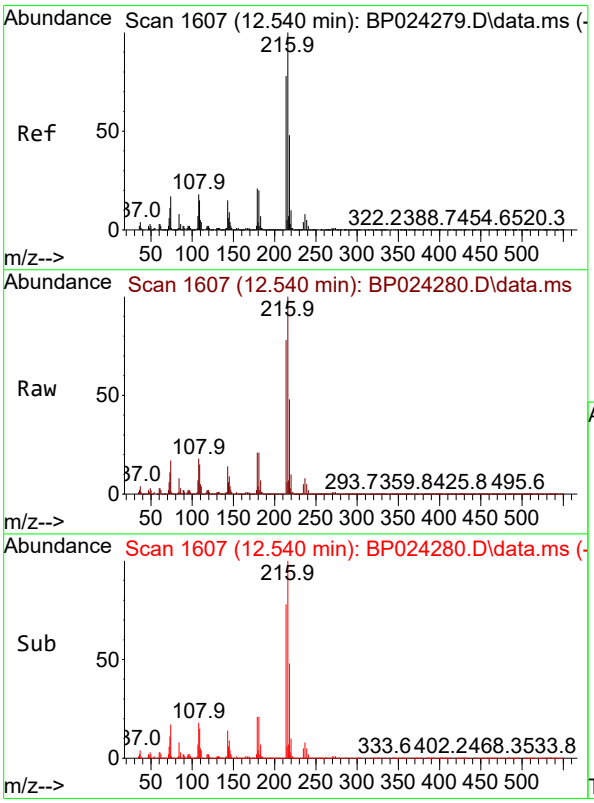
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 760235

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	44.8	35.3	52.9

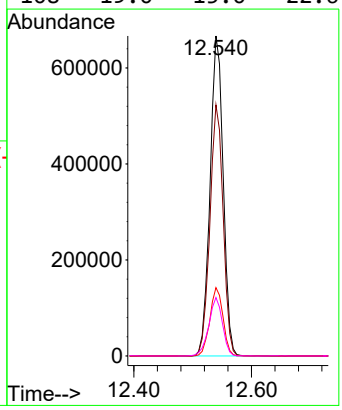


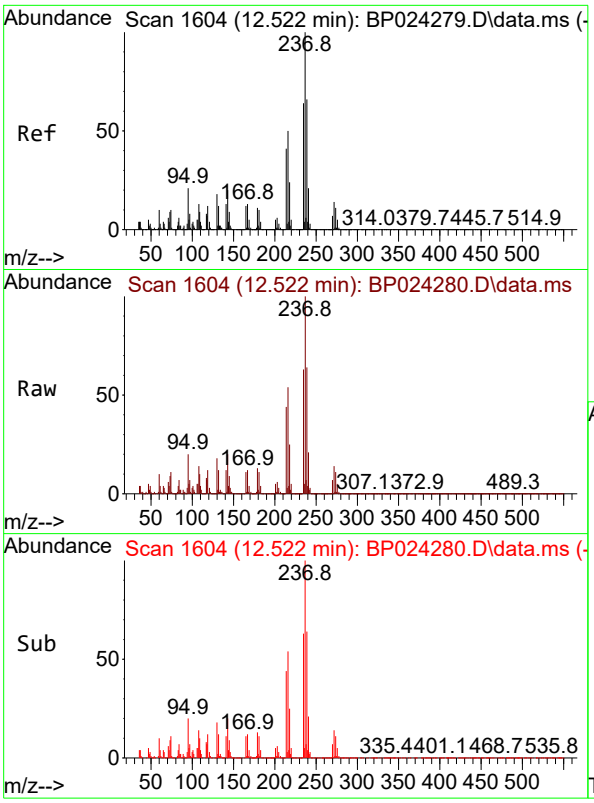


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.522 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:216 Resp: 1034638

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.6	93.8
179	21.4	17.2	25.8
108	19.0	15.0	22.6



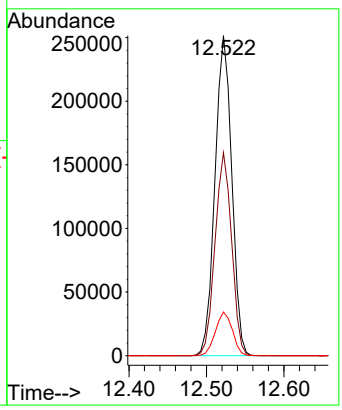


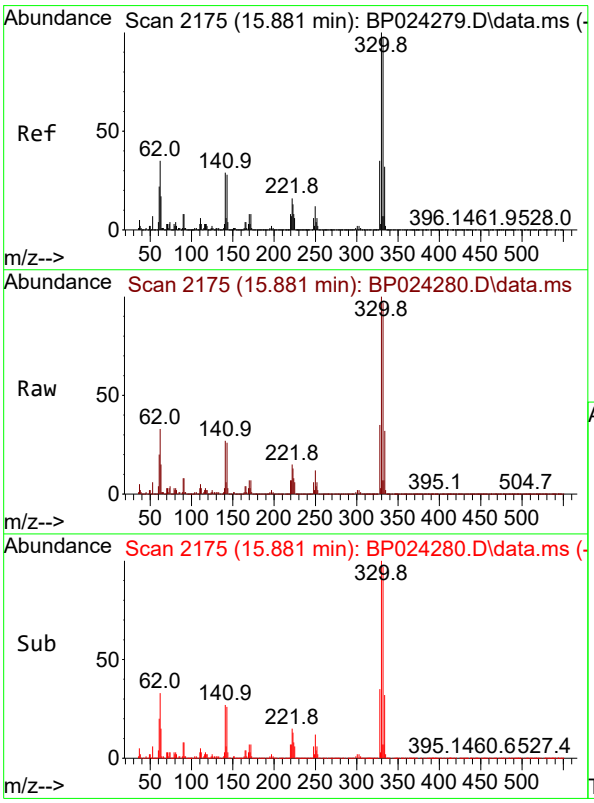
#41
Hexachlorocyclopentadiene
Concen: 51.614 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 378578

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.7	0.0	33.6

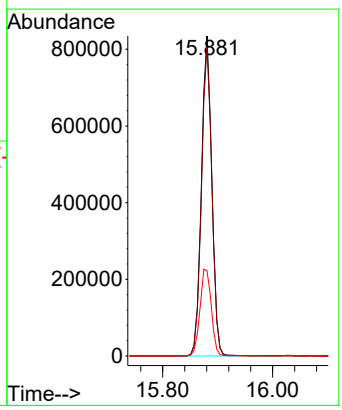


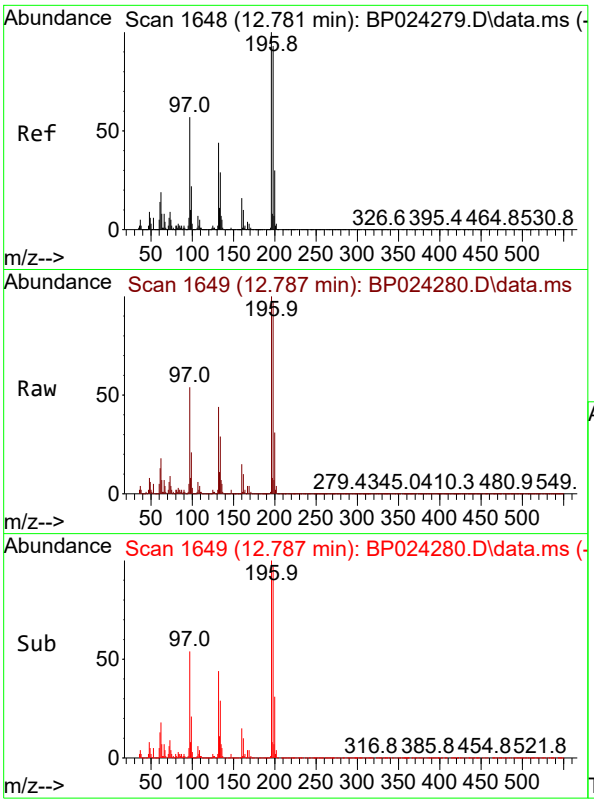


#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:330 Resp: 1098486

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.5	24.7	37.1



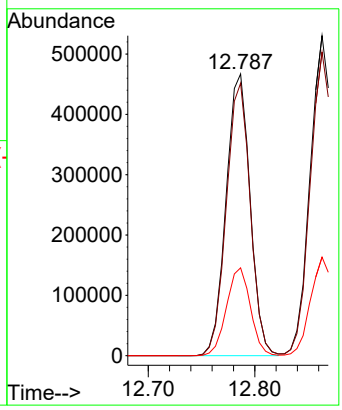


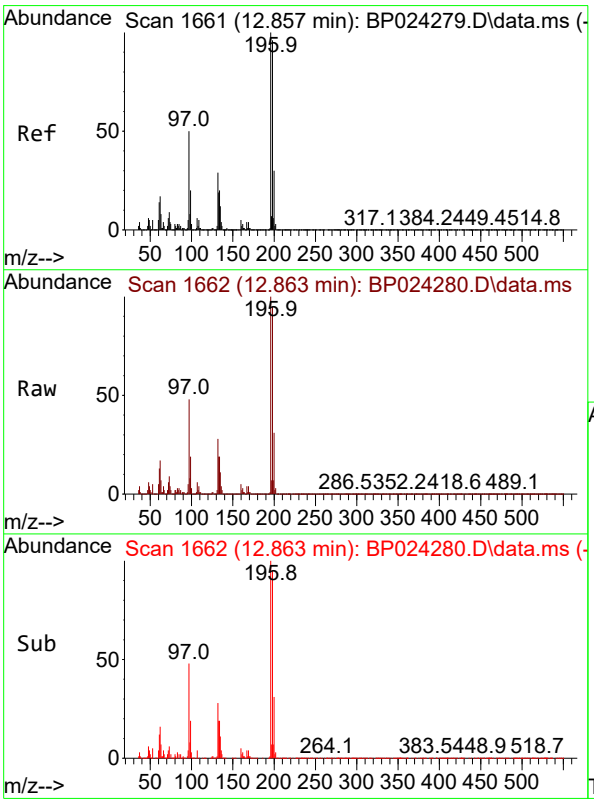
#43
2,4,6-Trichlorophenol
Concen: 53.315 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 732902

Ion	Ratio	Lower	Upper
196	100		
198	96.7	74.3	111.5
200	31.2	24.0	36.0

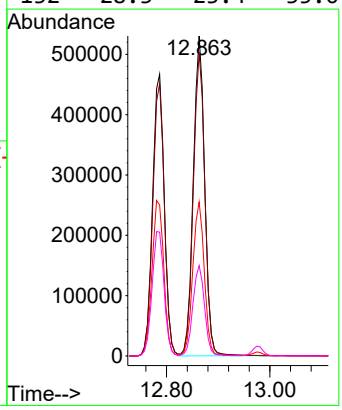


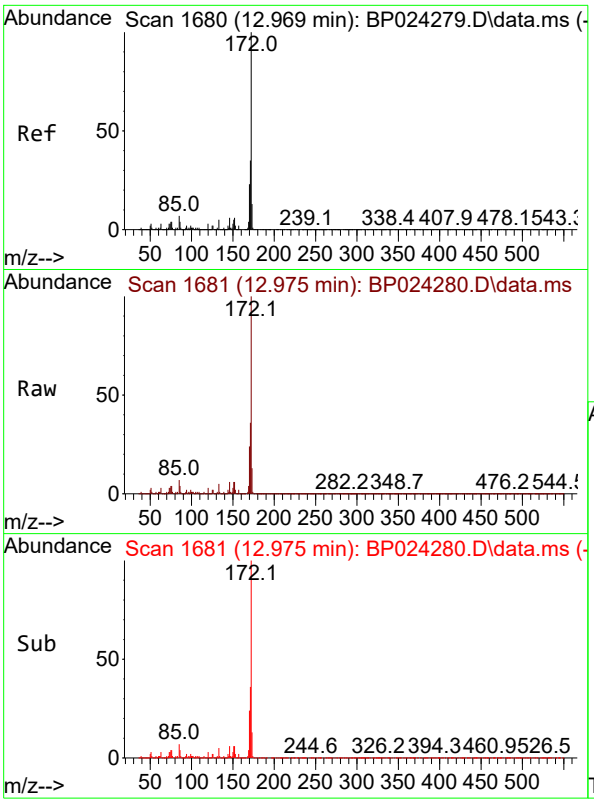


#44
2,4,5-Trichlorophenol
Concen: 53.491 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:196 Resp: 814885

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	48.1	40.4	60.6
132	28.3	23.4	35.0



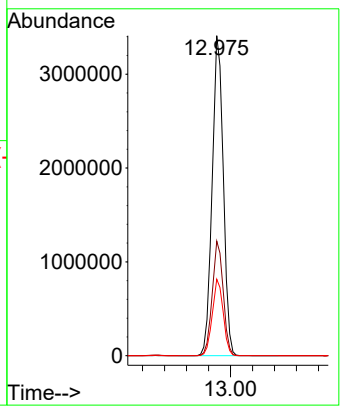


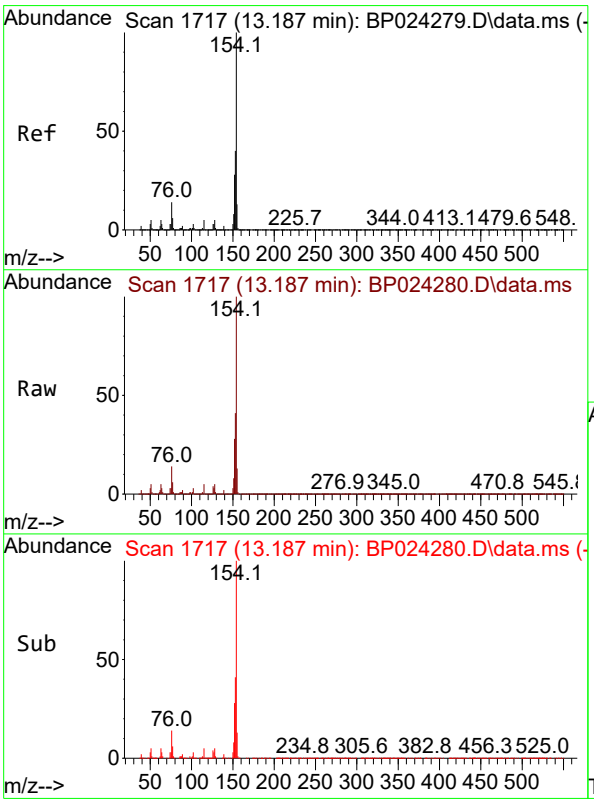
#45
2-Fluorobiphenyl
Concen: 95.877 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4800845

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.9	18.6	27.8

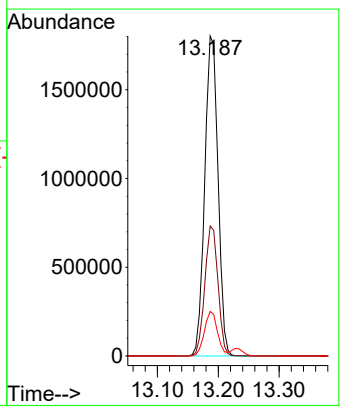


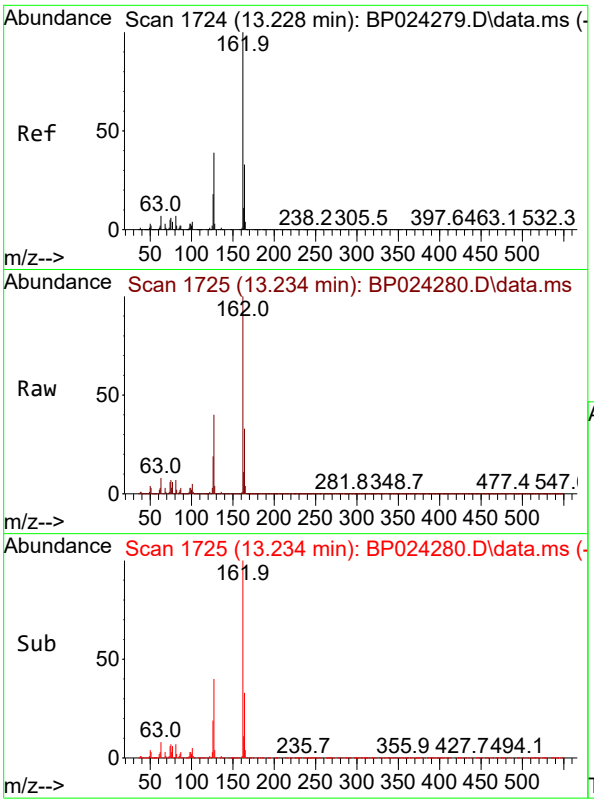


#46
1,1'-Biphenyl
Concen: 48.551 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2725840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.9	0.0	33.5



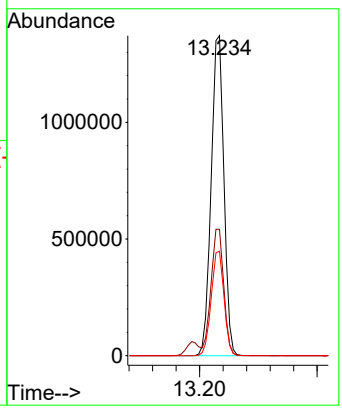


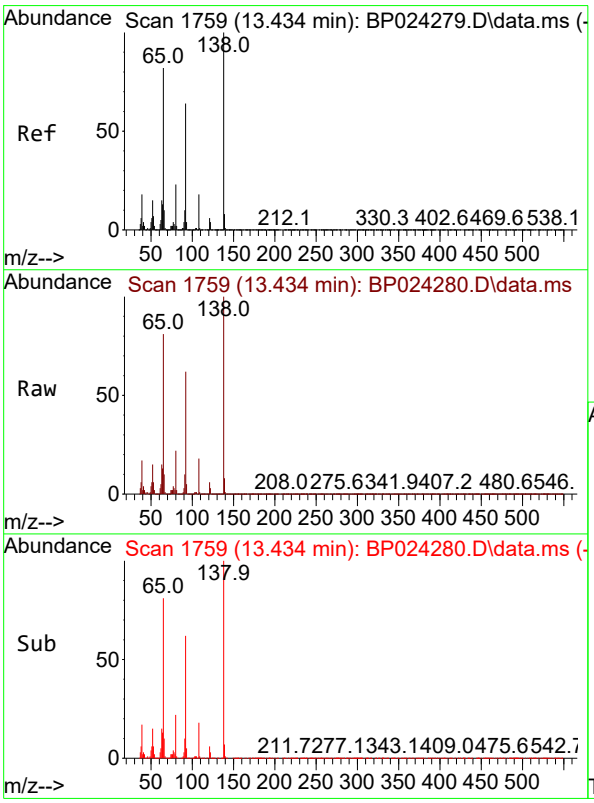
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2062098

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.9	47.9
164	32.7	26.2	39.4

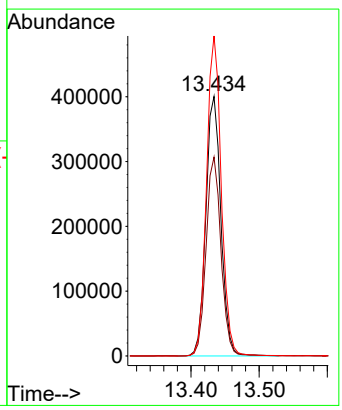


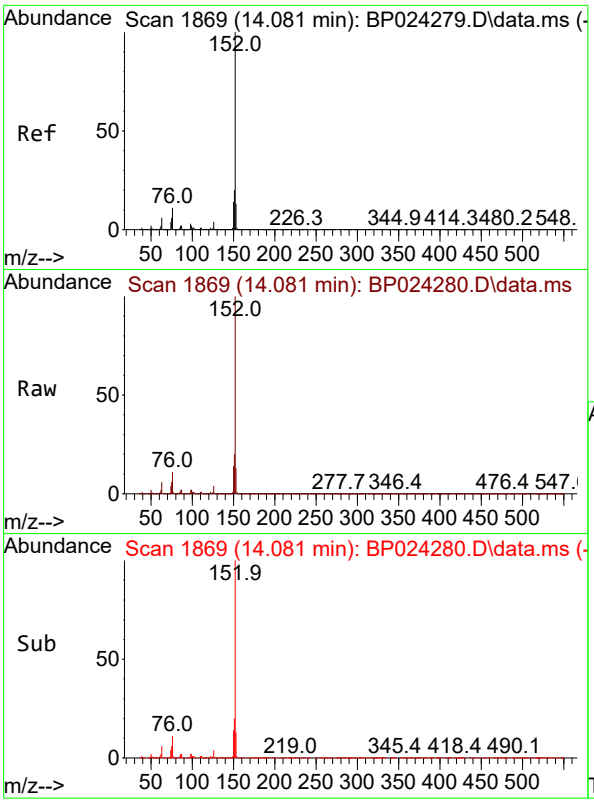


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 65 Resp: 616599

Ion	Ratio	Lower	Upper
65	100		
92	76.6	62.3	93.5
138	123.3	97.2	145.8



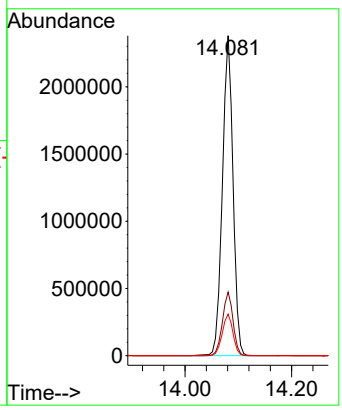


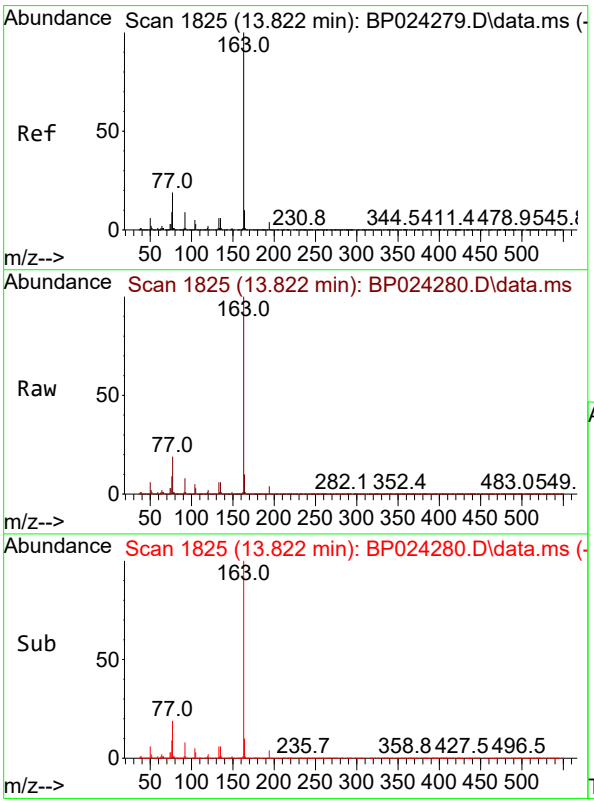
#49
Acenaphthylene
Concen: 49.877 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3279666

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	15.8

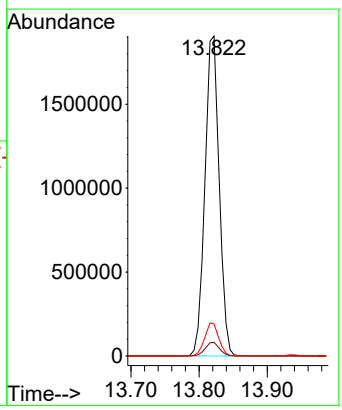


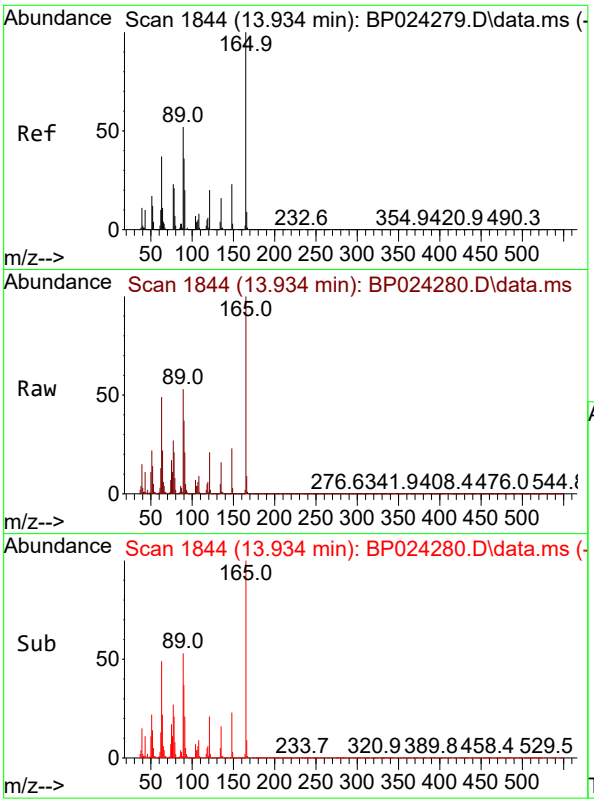


#50
Dimethylphthalate
Concen: 50.046 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:163 Resp: 2775759

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



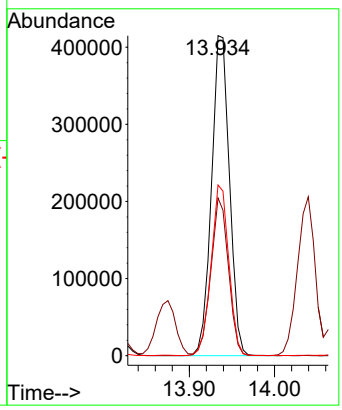


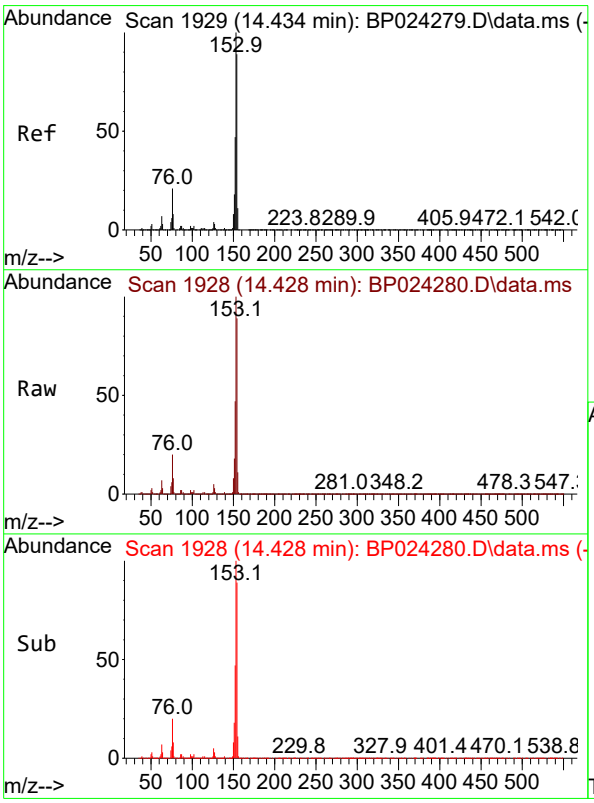
#51
2,6-Dinitrotoluene
Concen: 51.903 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 606525

Ion	Ratio	Lower	Upper
165	100		
63	49.3	38.0	57.0
89	53.4	41.7	62.5

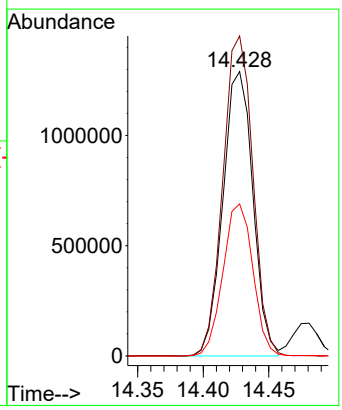


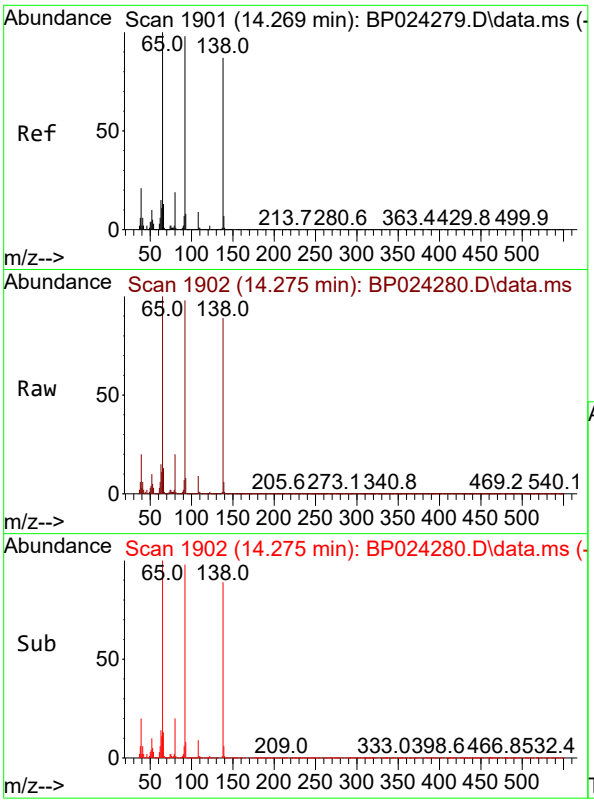


#52
Acenaphthene
Concen: 49.128 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2054333

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.8	134.6
152	53.4	42.6	63.8



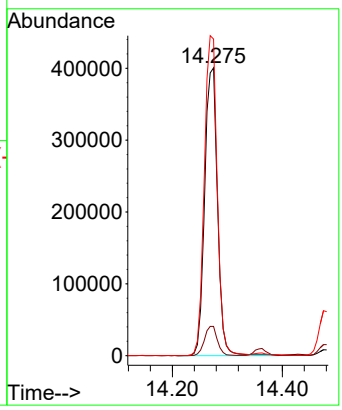


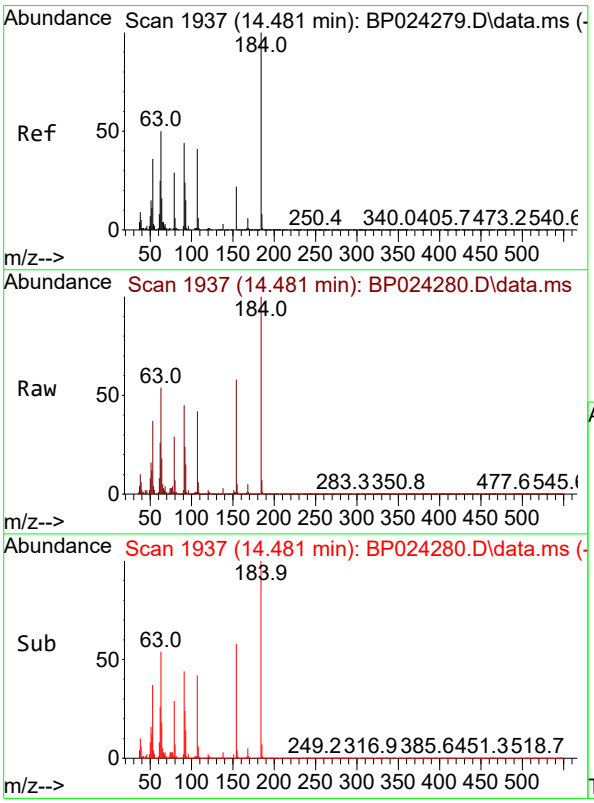
#53
3-Nitroaniline
Concen: 53.536 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 649071

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.3	12.5
92	110.0	89.8	134.8

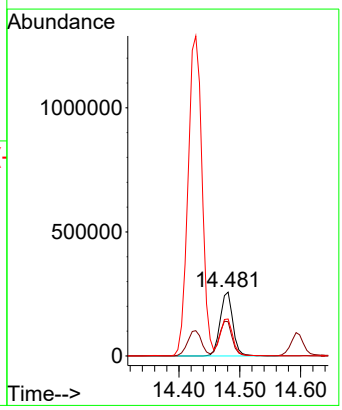


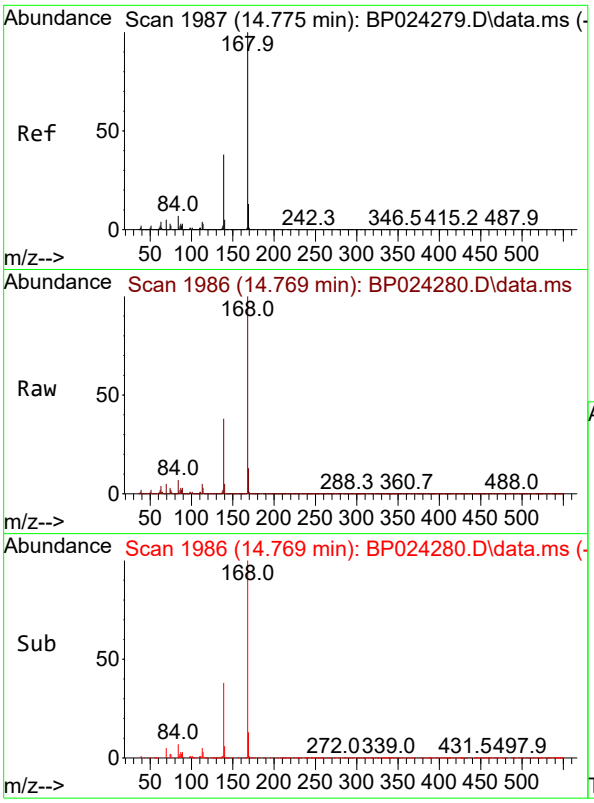


#54
2,4-Dinitrophenol
Concen: 59.640 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:184 Resp: 373165

Ion	Ratio	Lower	Upper
184	100		
63	53.7	42.6	64.0
154	57.8	47.2	70.8



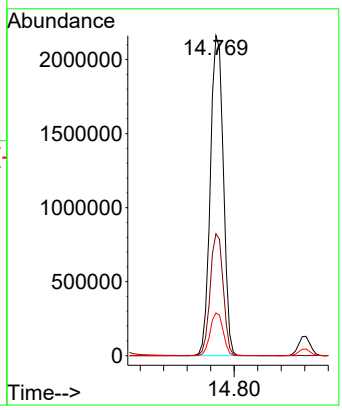


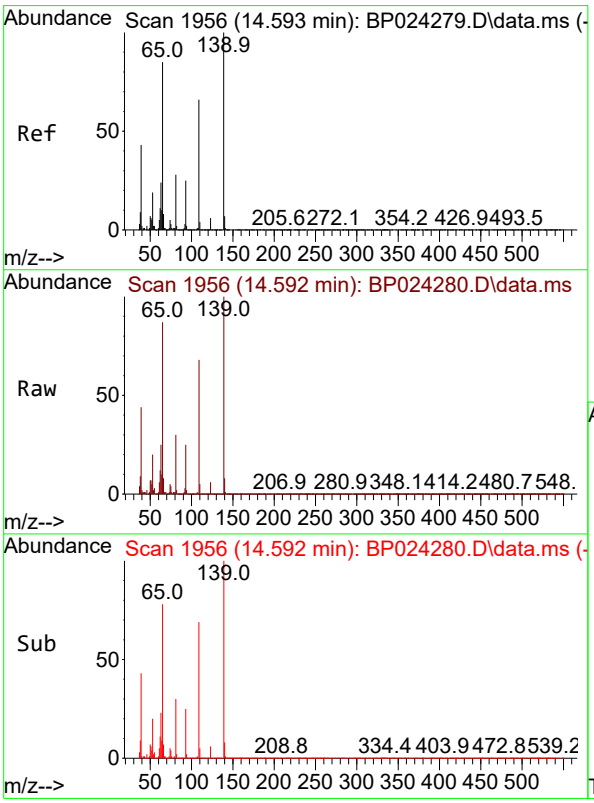
#55
Dibenzofuran
Concen: 48.392 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3318798

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.4	10.6	16.0

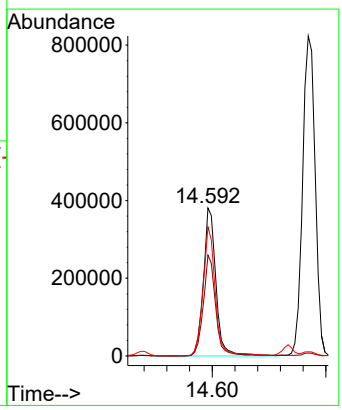


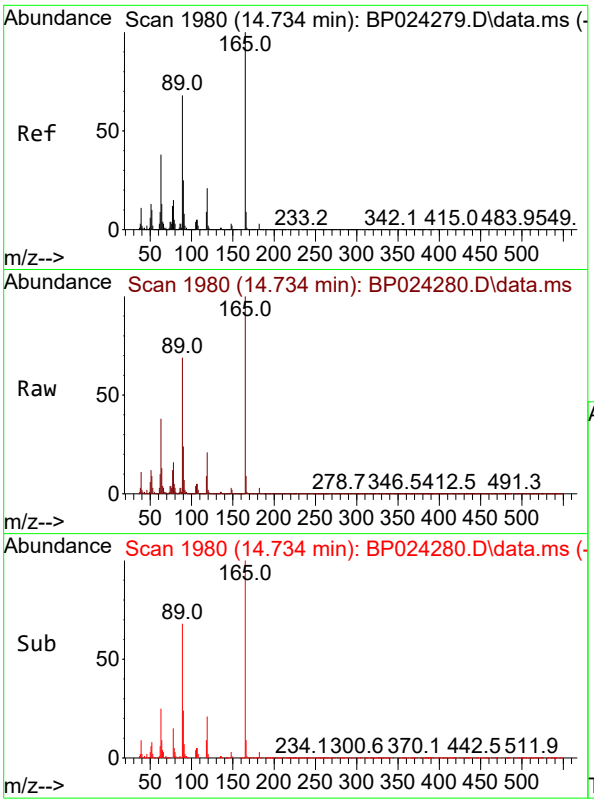


#56
4-Nitrophenol
Concen: 55.750 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 581023

Ion	Ratio	Lower	Upper
139	100		
109	68.1	46.1	86.1
65	87.3	65.0	105.0



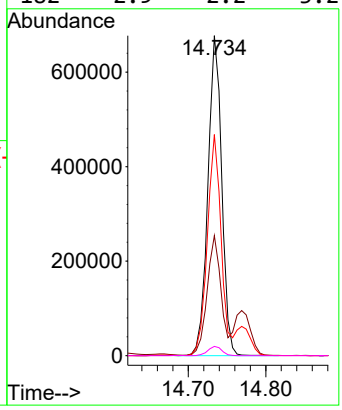


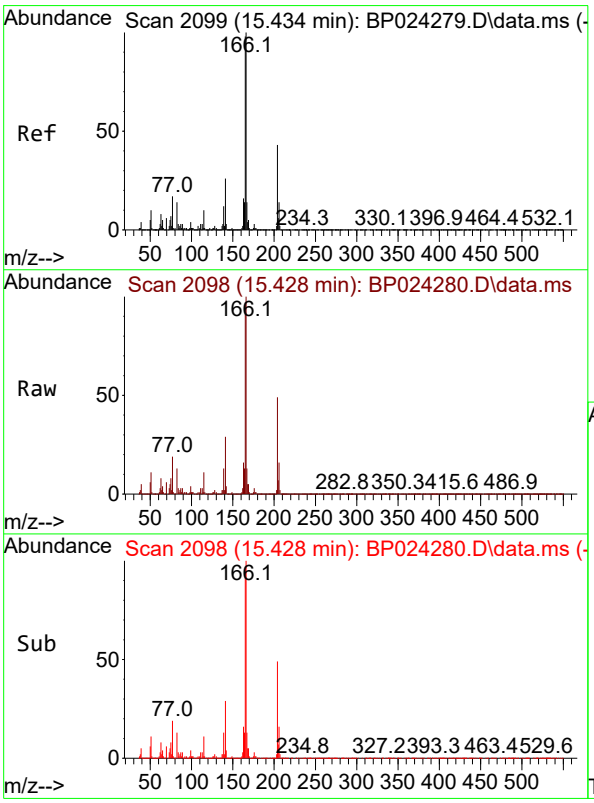
#57
2,4-Dinitrotoluene
Concen: 53.160 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 839701

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.4	45.6
89	69.1	54.6	82.0
182	2.9	2.2	3.2

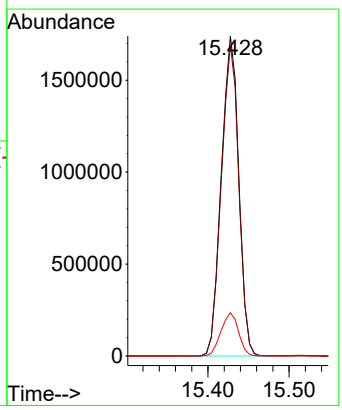


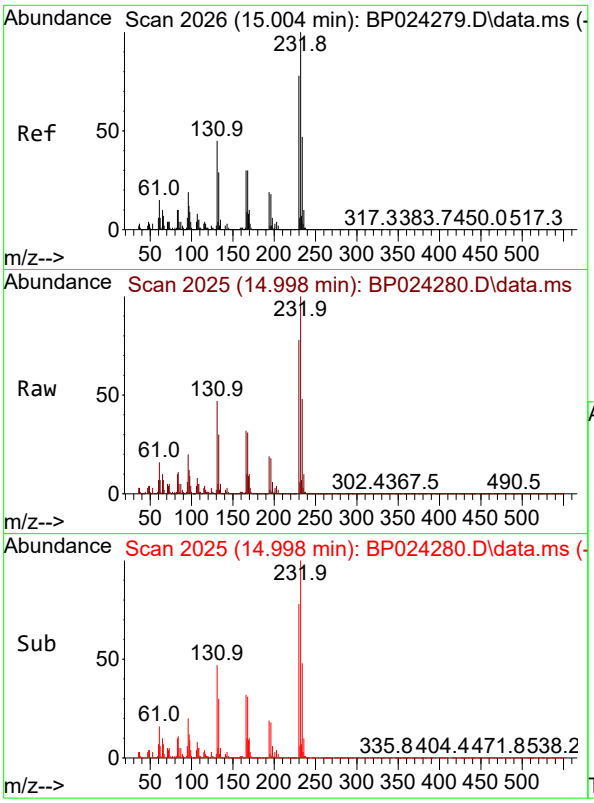


#58
Fluorene
Concen: 49.085 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:166 Resp: 2599105

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.5	10.9	16.3



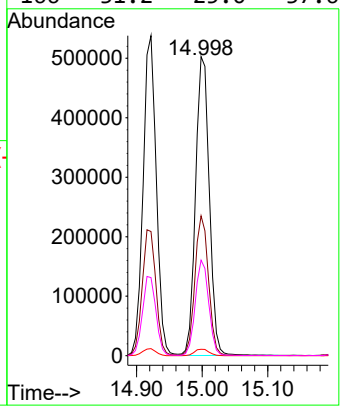


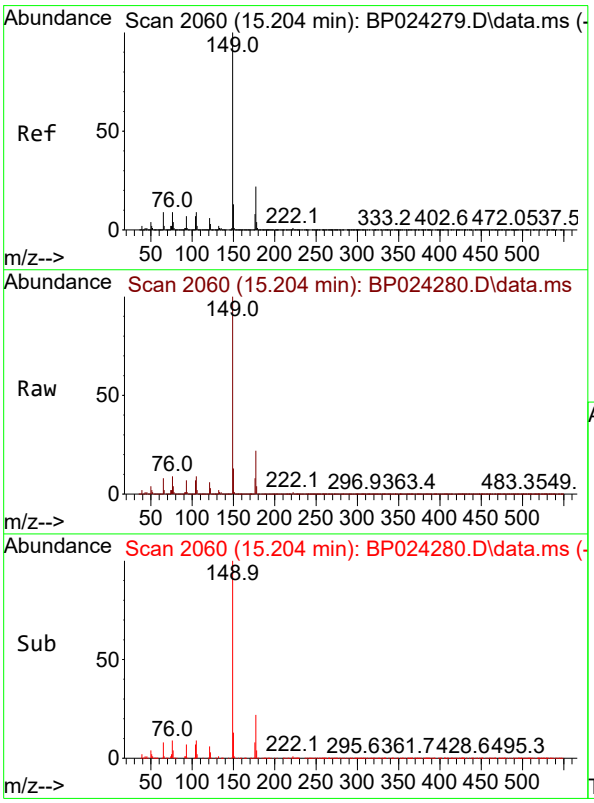
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.128 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 734741

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.3	1.9	2.9
166	31.2	25.0	37.6

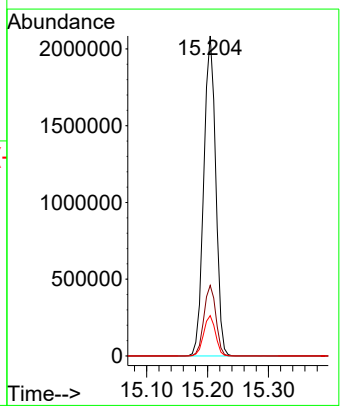


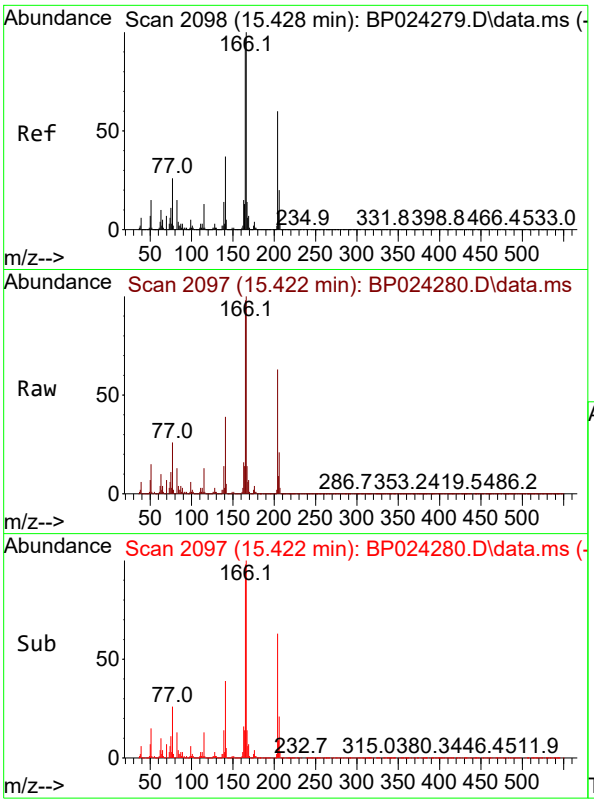


#60
Diethylphthalate
Concen: 49.914 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2849294

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.1	15.1



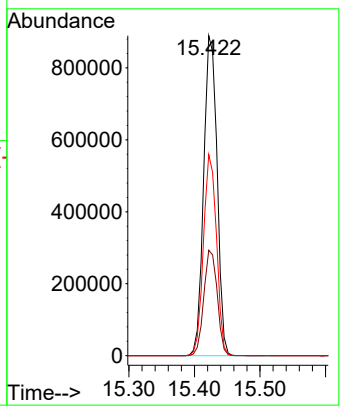


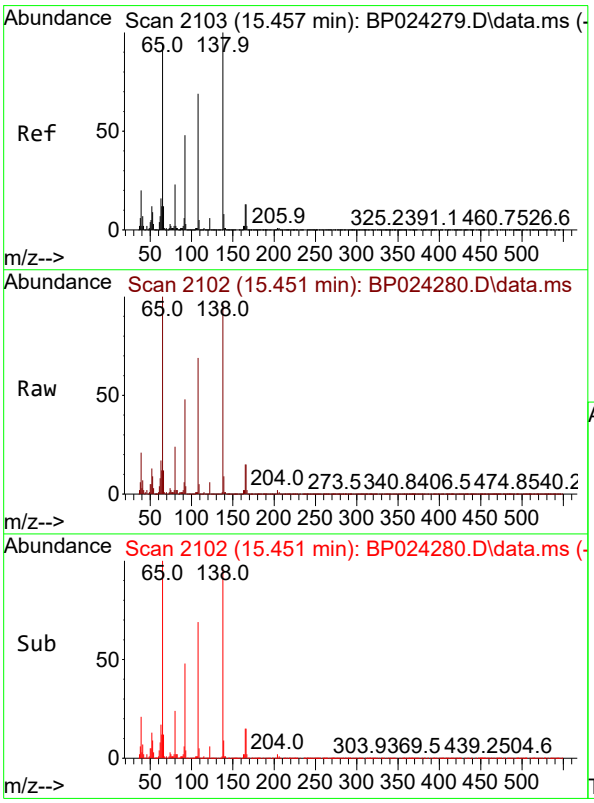
#61
4-Chlorophenyl-phenylether
Concen: 49.287 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1267291

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	62.8	49.4	74.0

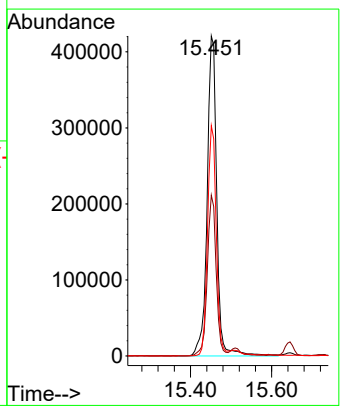


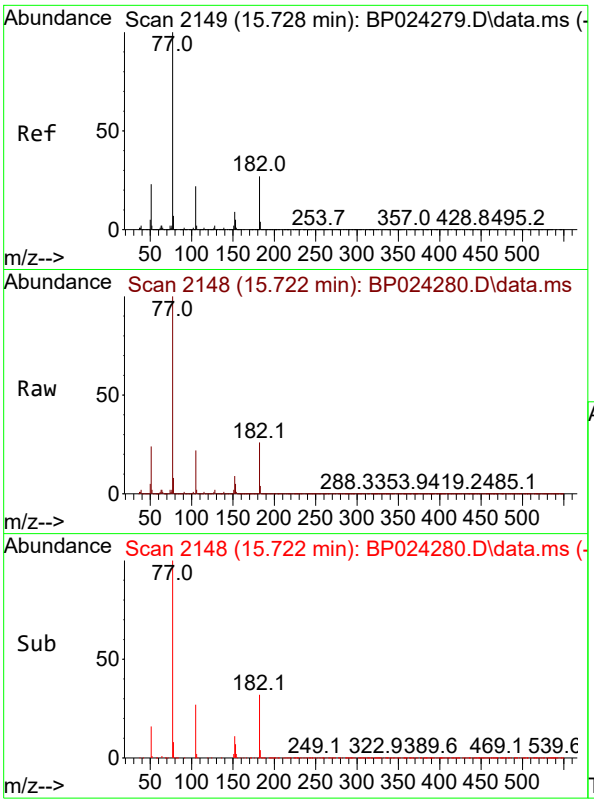


#62
4-Nitroaniline
Concen: 53.764 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:138 Resp: 691081

Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.8	67.8
108	72.0	48.9	88.9



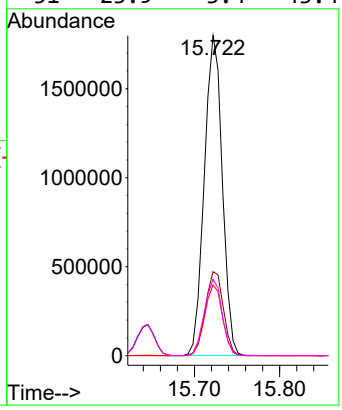


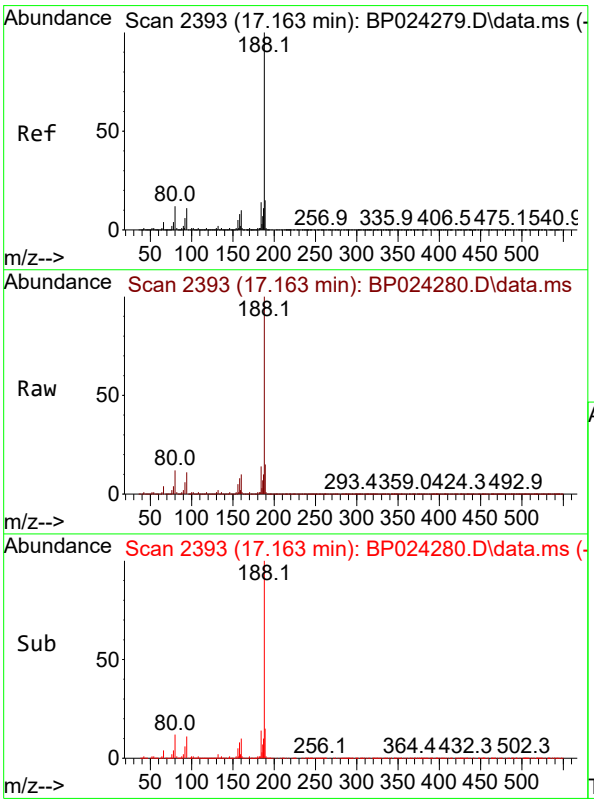
#63
Azobenzene
Concen: 50.076 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2632843

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.1	2.3	42.3
51	23.9	3.4	43.4

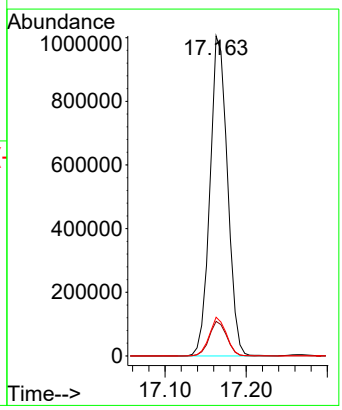


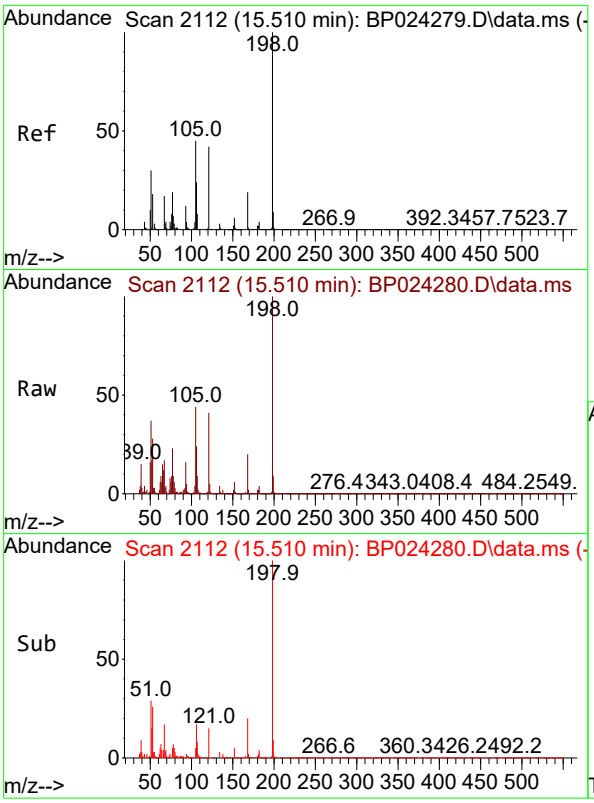


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:188 Resp: 1505097

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.1	9.8	14.6



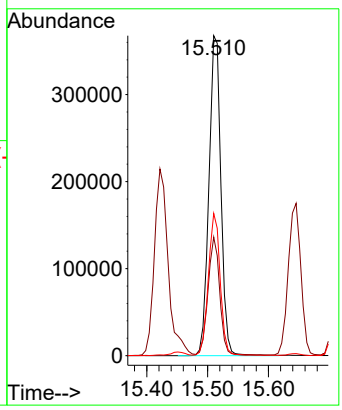


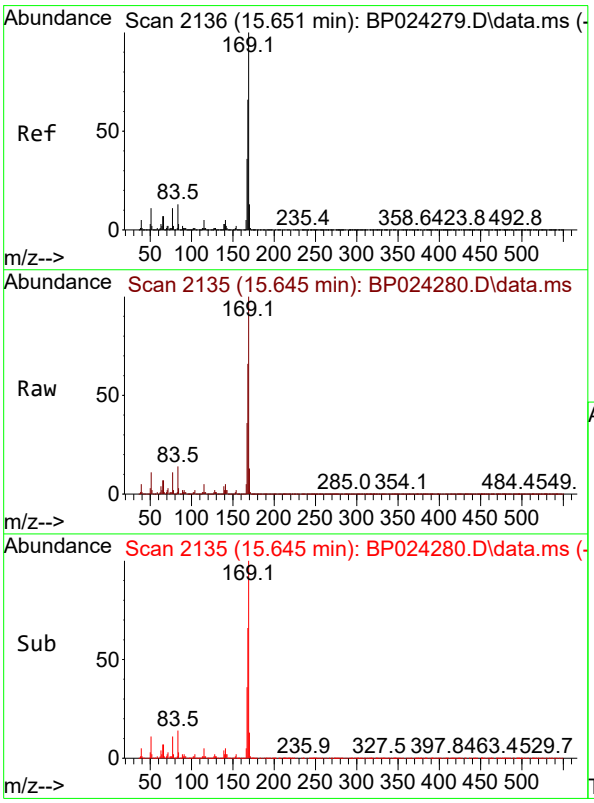
#65
4,6-Dinitro-2-methylphenol
Concen: 57.285 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 503765

Ion	Ratio	Lower	Upper
198	100		
51	37.1	18.4	58.4
105	44.5	26.5	66.5

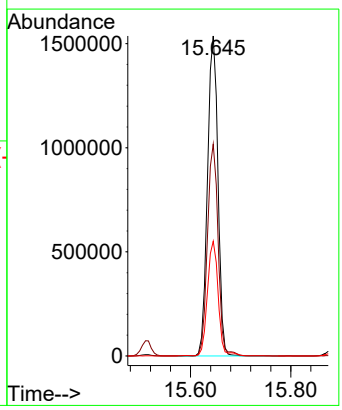


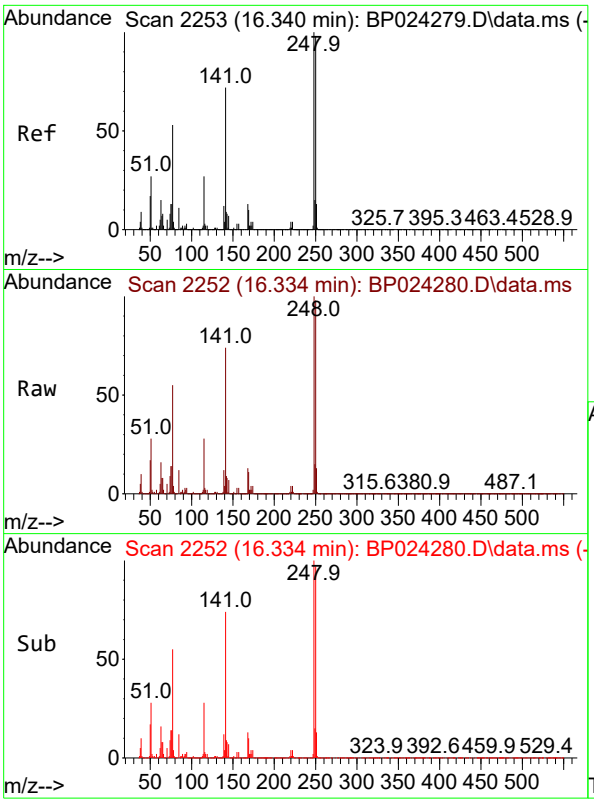


#66
n-Nitrosodiphenylamine
Concen: 49.312 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:169 Resp: 2225475

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.9	28.9	43.3



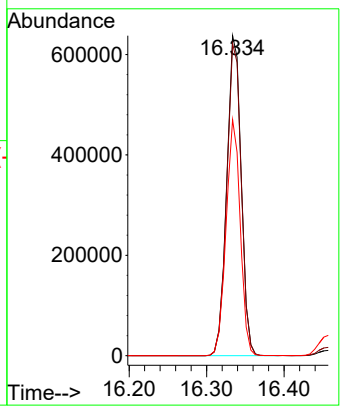


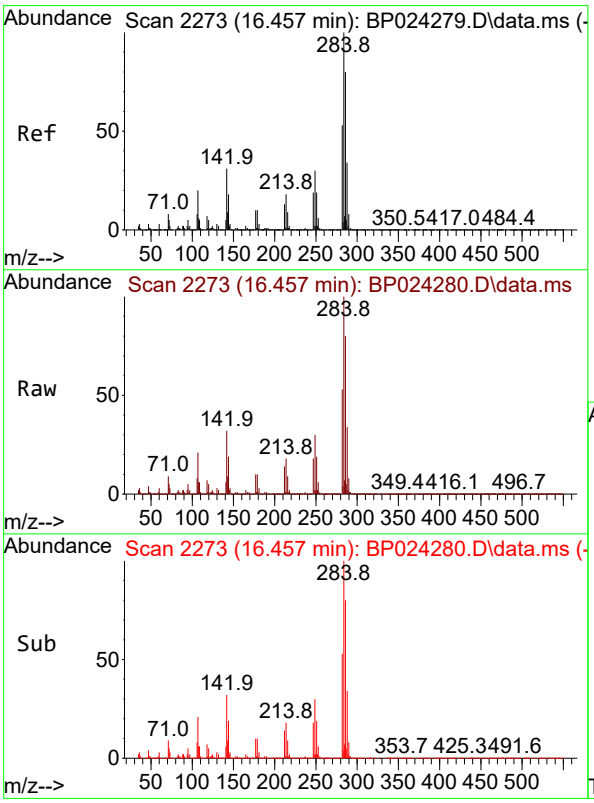
#67
4-Bromophenyl-phenylether
Concen: 50.389 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 827245

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.2	117.4
141	73.8	57.7	86.5

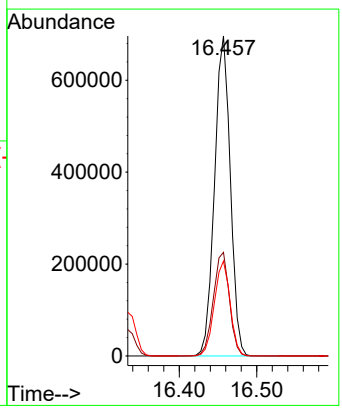


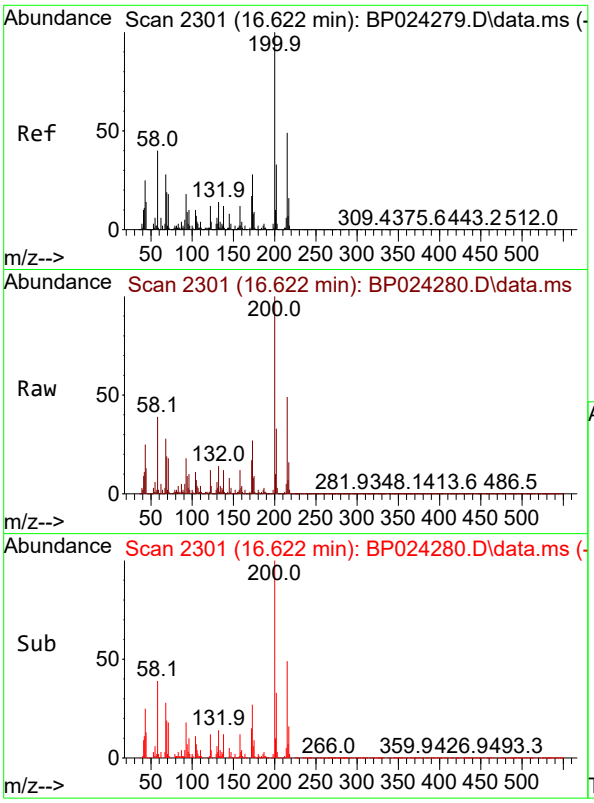


#68
Hexachlorobenzene
Concen: 50.405 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:284 Resp: 983768

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.7	23.8	35.6



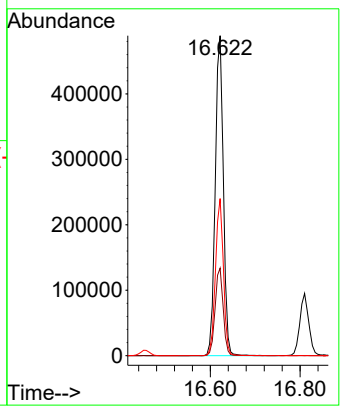


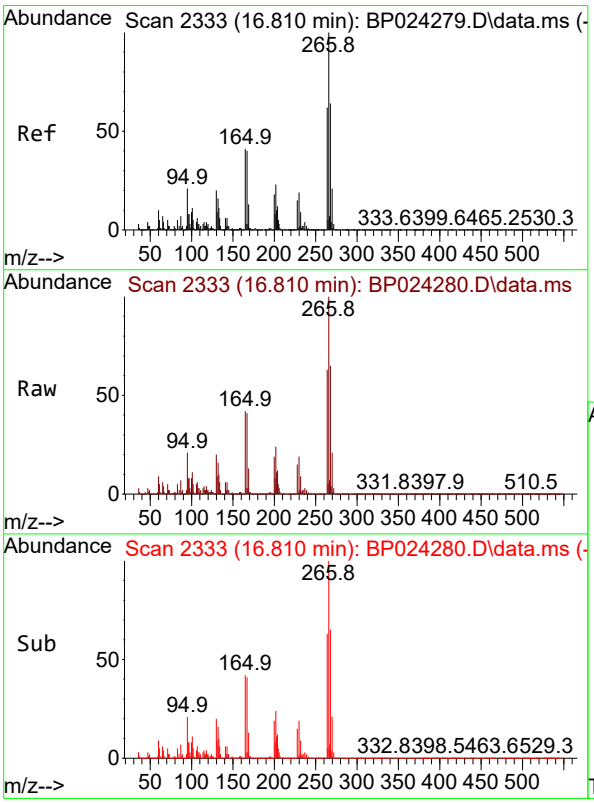
#69
Atrazine
Concen: 53.356 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 610479

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.1	28.8	68.8

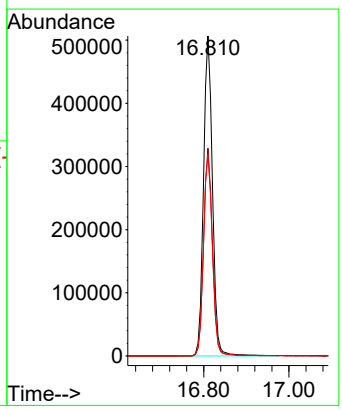


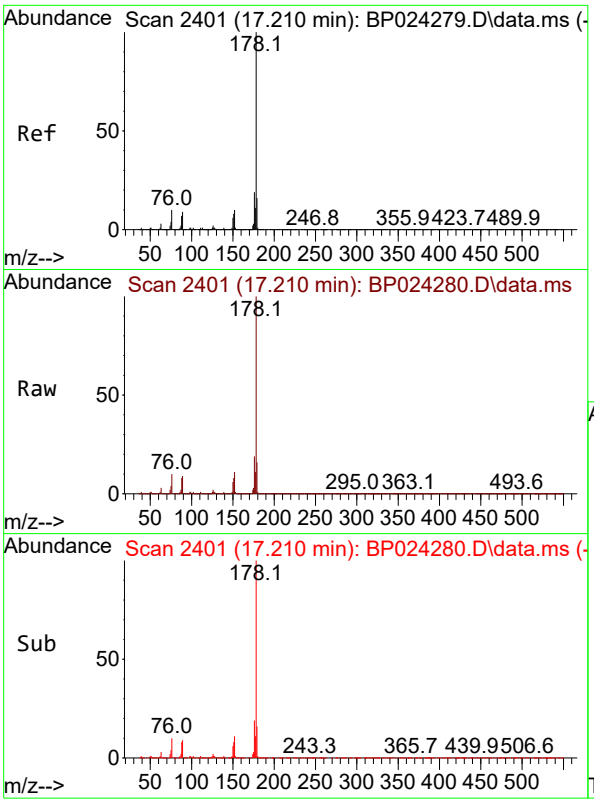


#70
Pentachlorophenol
Concen: 55.203 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:266 Resp: 739779

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	62.9	49.8	74.6



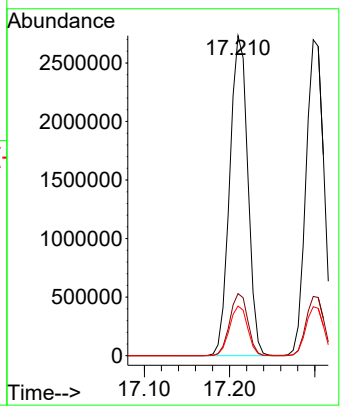


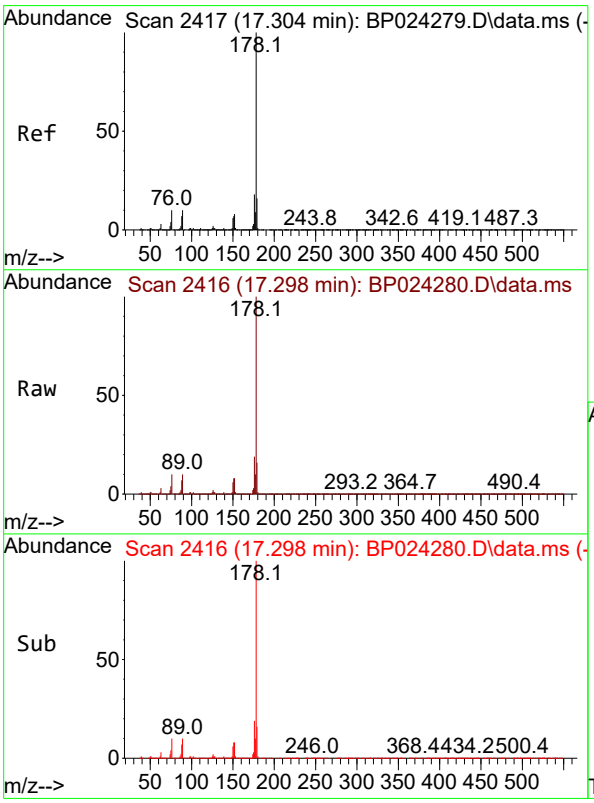
#71
Phenanthrene
Concen: 48.768 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4024282

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

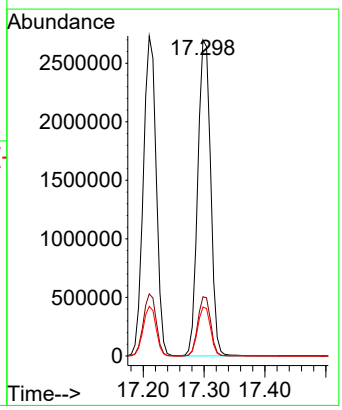


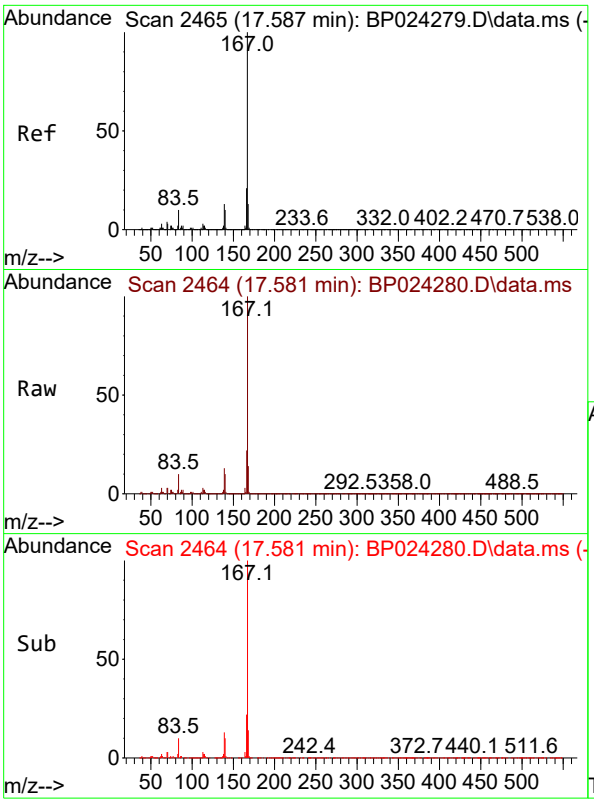


#72
Anthracene
Concen: 49.883 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:178 Resp: 3960913

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.4	18.6



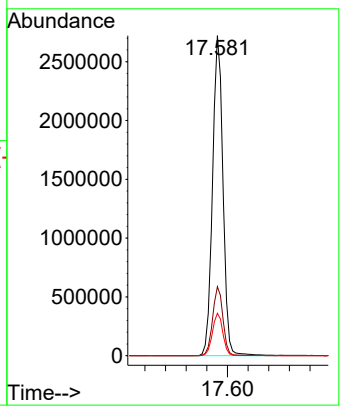


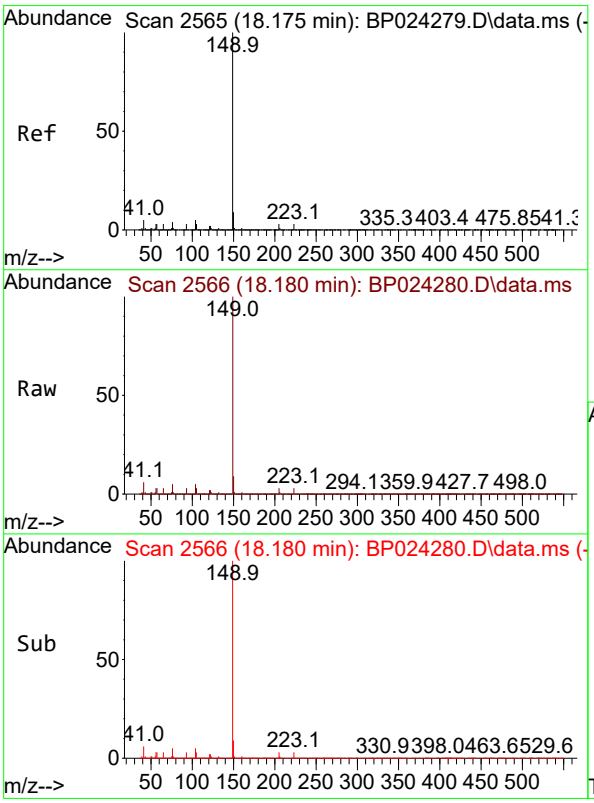
#73
Carbazole
Concen: 49.364 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3814743

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.6	16.0

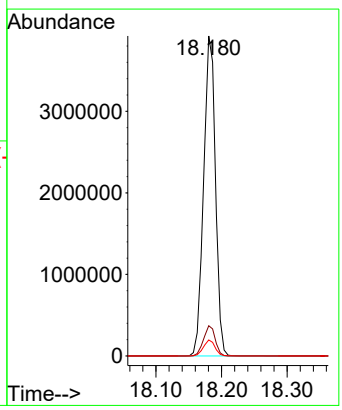


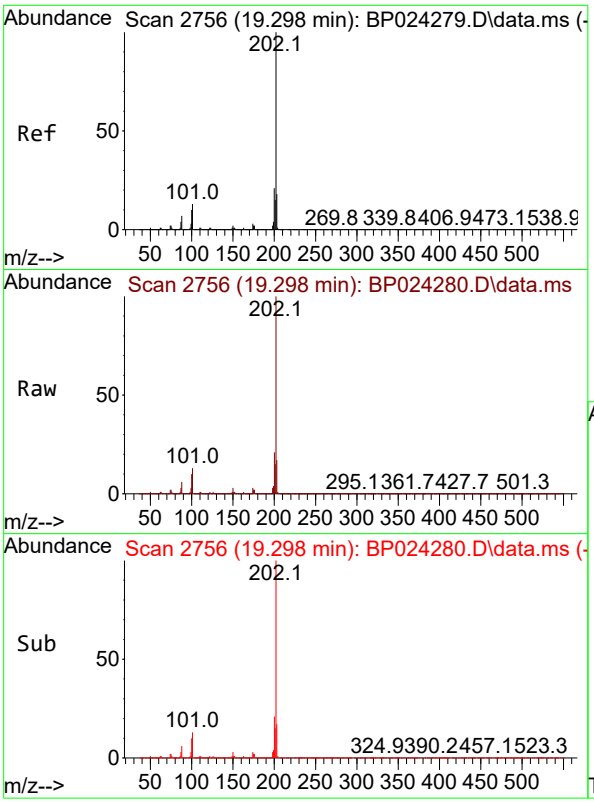


#74
Di-n-butylphthalate
Concen: 51.208 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 4930617

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9



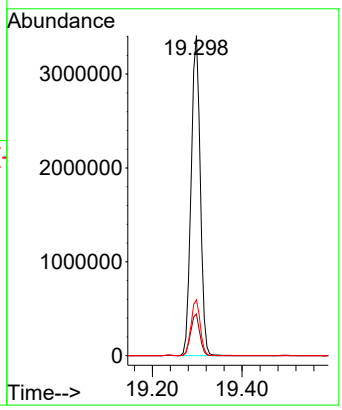


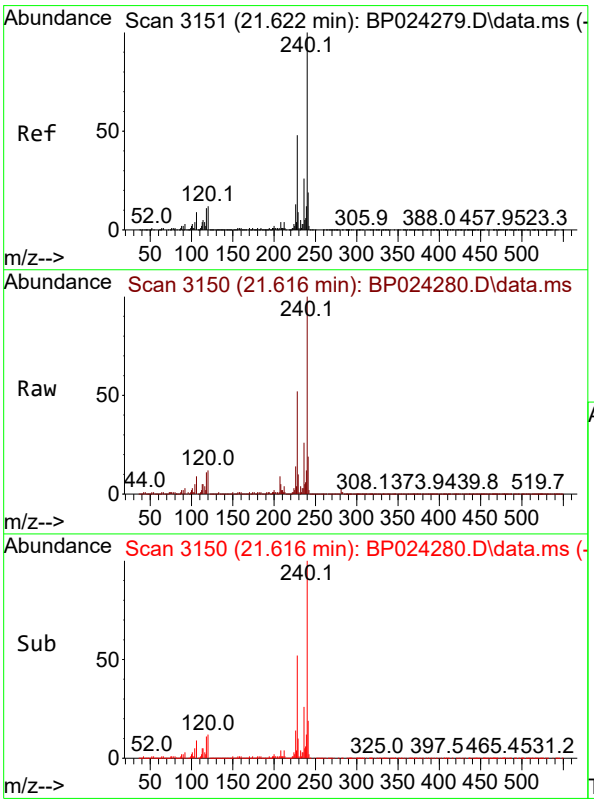
#75
Fluoranthene
Concen: 49.160 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4815021

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	37.7

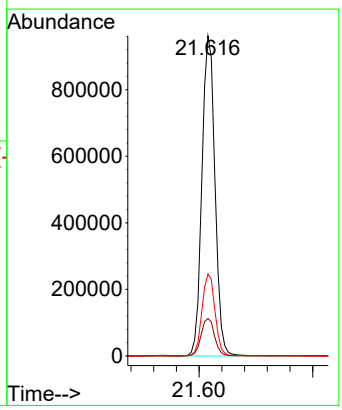


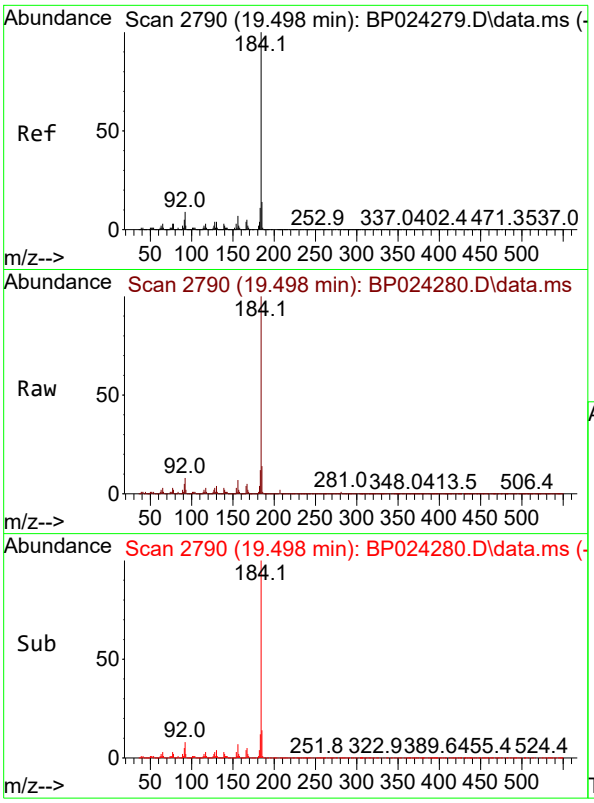


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:240 Resp: 1527193

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.6	20.9	31.3



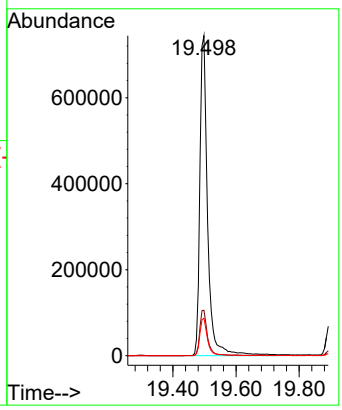


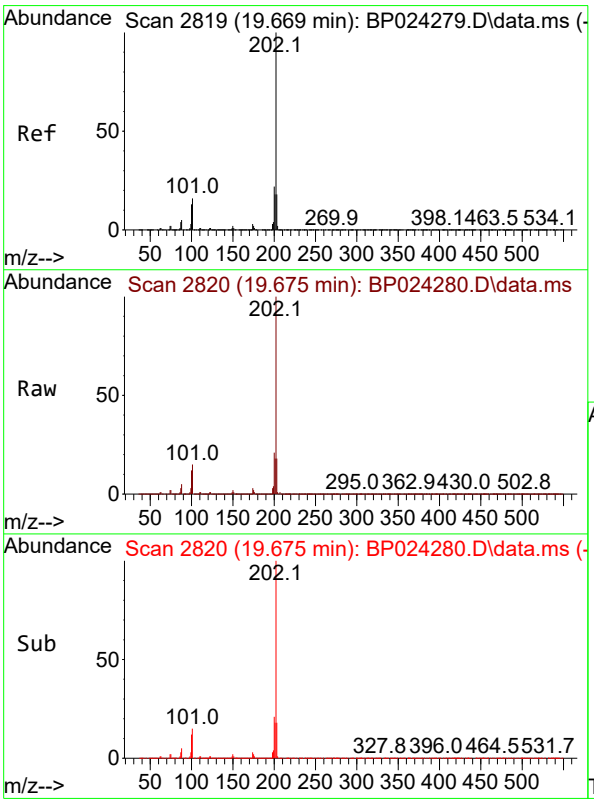
#77
Benzidine
Concen: 67.525 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1272924

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

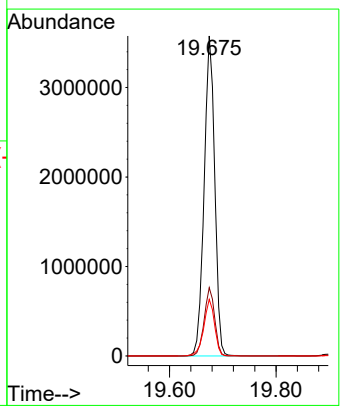


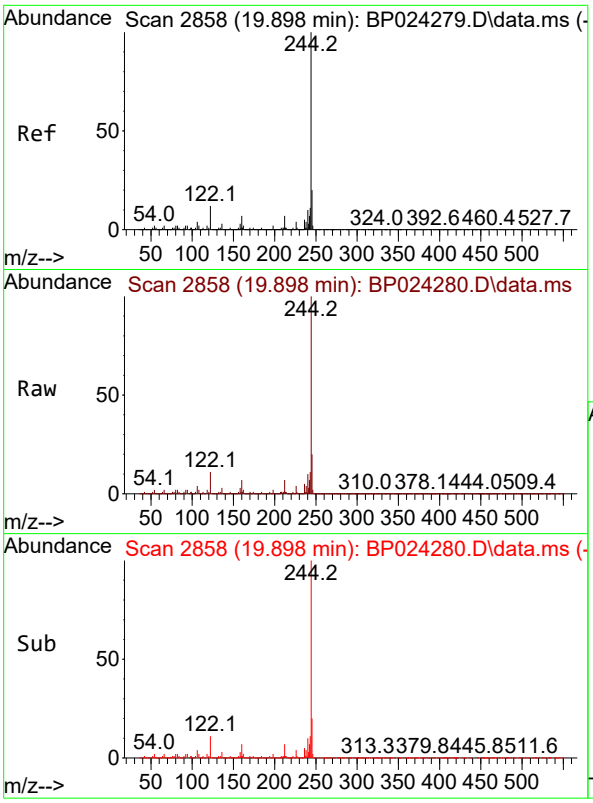


#78
Pyrene
Concen: 50.577 ng
RT: 19.675 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:202 Resp: 4942328

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.4	21.6



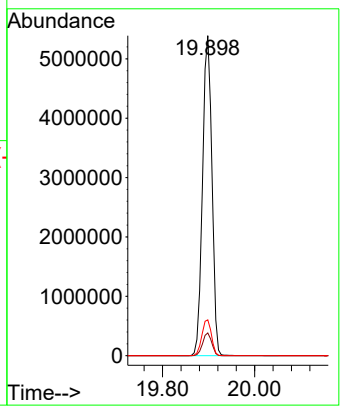


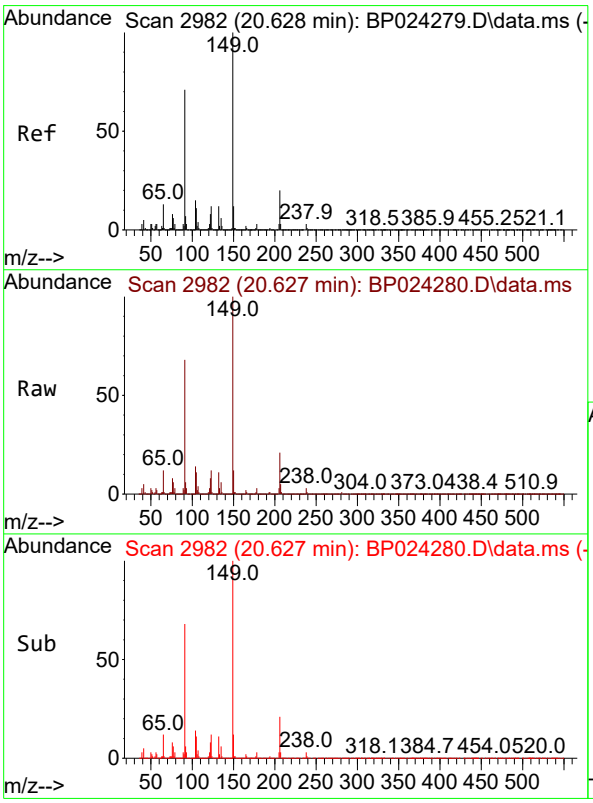
#79
Terphenyl-d14
Concen: 100.142 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7671902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	9.4	14.0

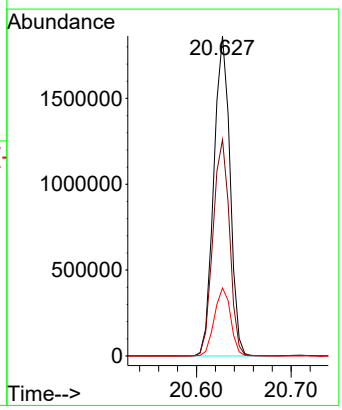


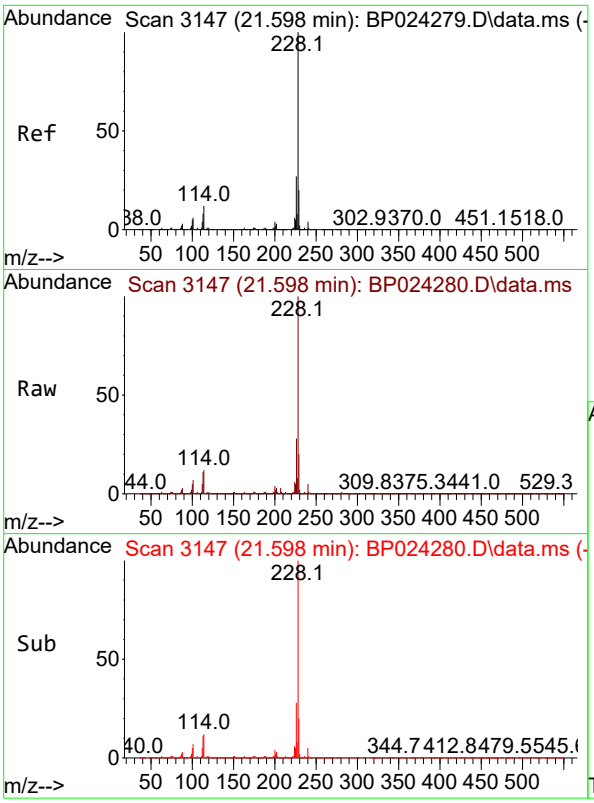


#80
Butylbenzylphthalate
Concen: 53.788 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2215843

Ion	Ratio	Lower	Upper
149	100		
91	67.6	56.4	84.6
206	21.3	16.3	24.5



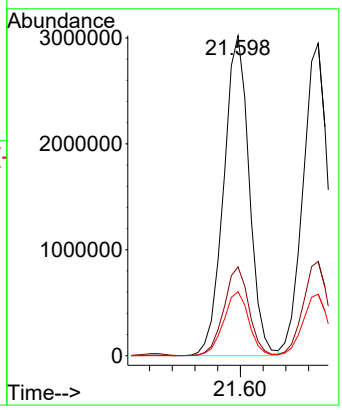


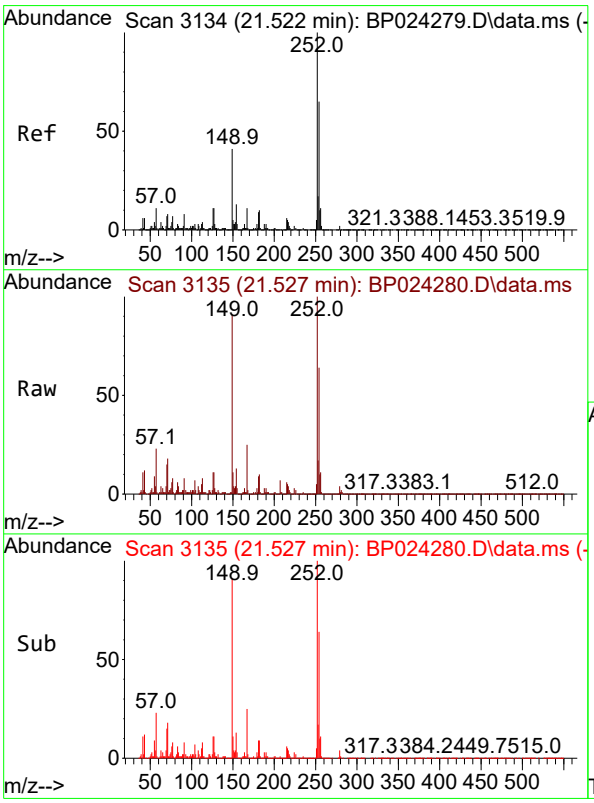
#81
Benzo(a)anthracene
Concen: 49.485 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4711301

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.0	15.9	23.9

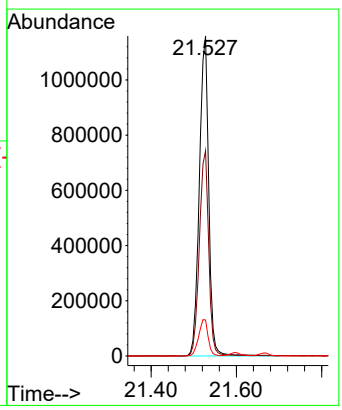


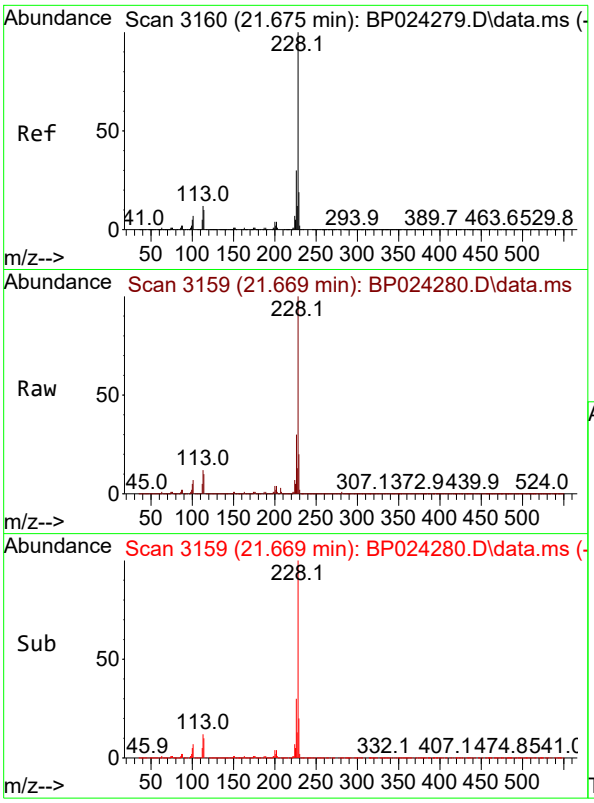


#82
3,3'-Dichlorobenzidine
Concen: 53.582 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 1768950

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.3	8.8	13.2



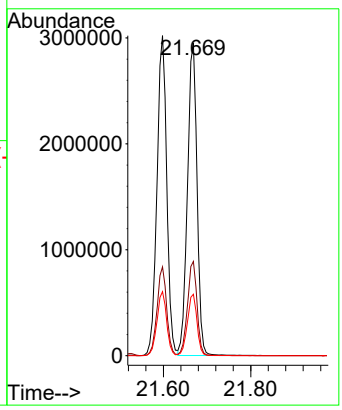


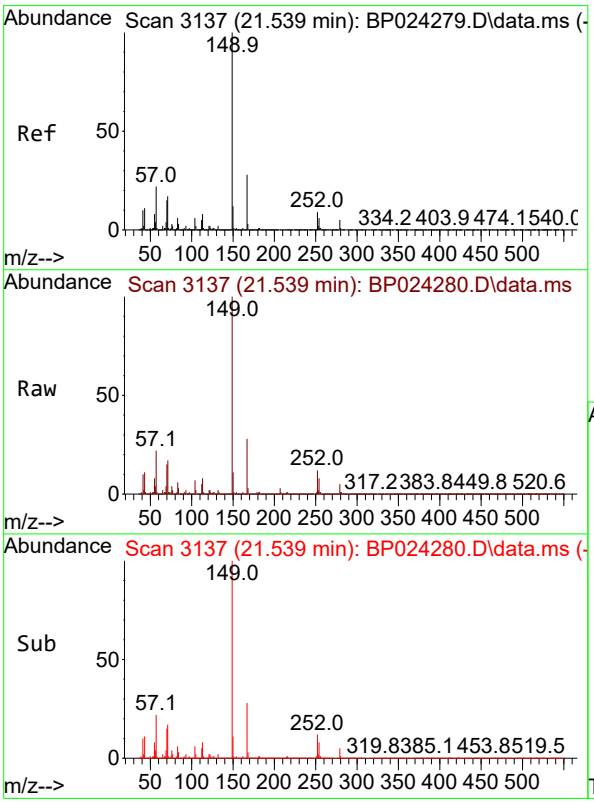
#83
Chrysene
Concen: 49.099 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4480150

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

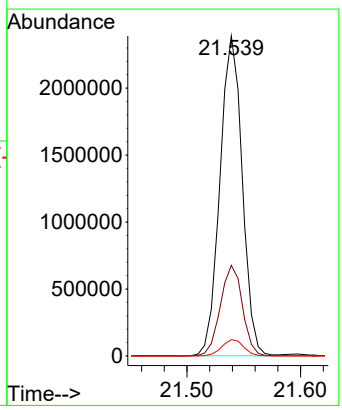


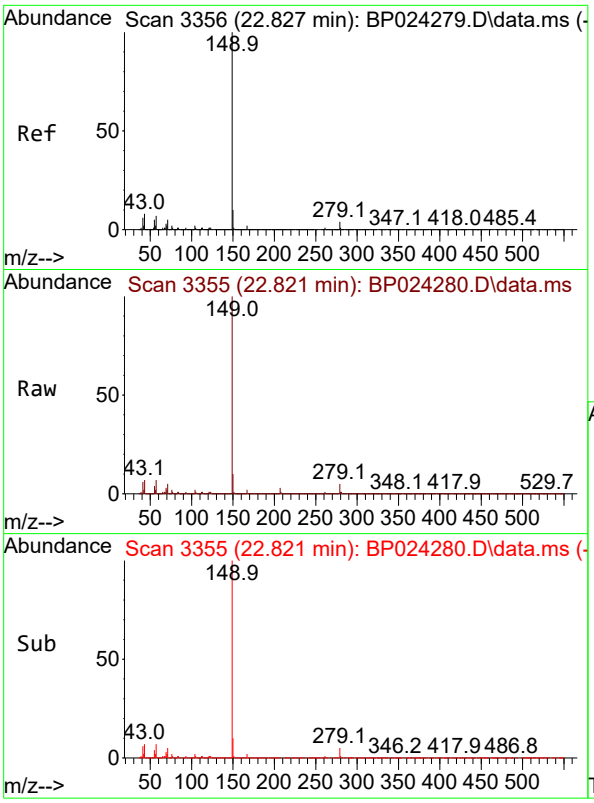


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.679 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 3256722

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	4.0	6.0



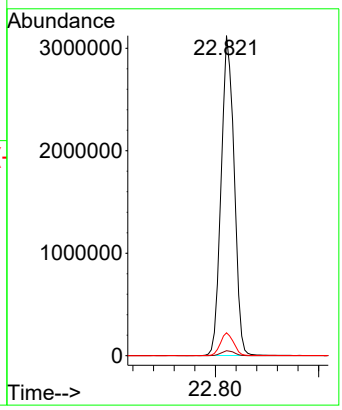


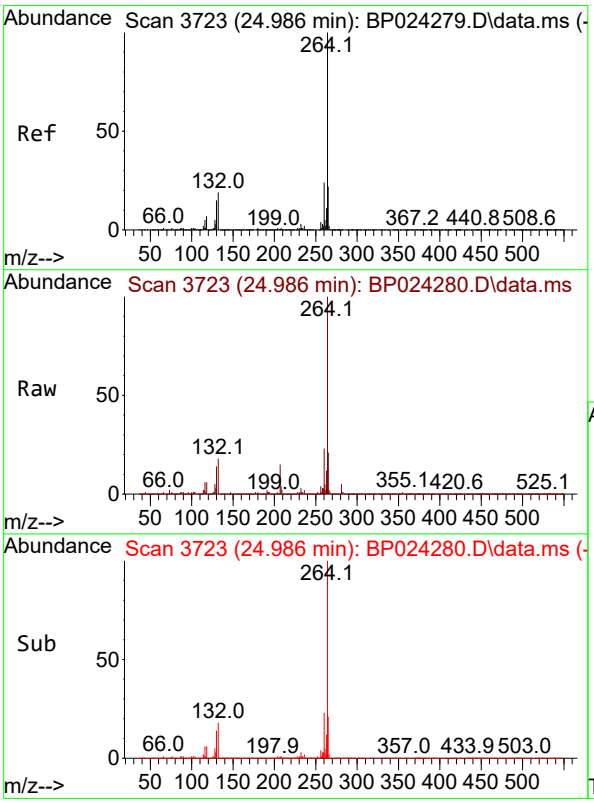
#85
Di-n-octyl phthalate
Concen: 56.166 ng
RT: 22.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5458484

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

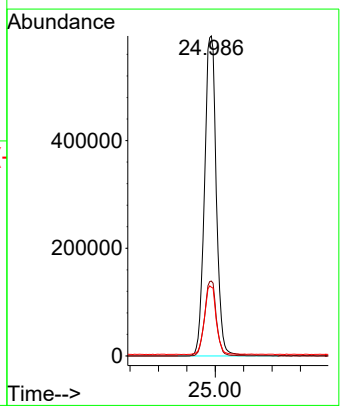


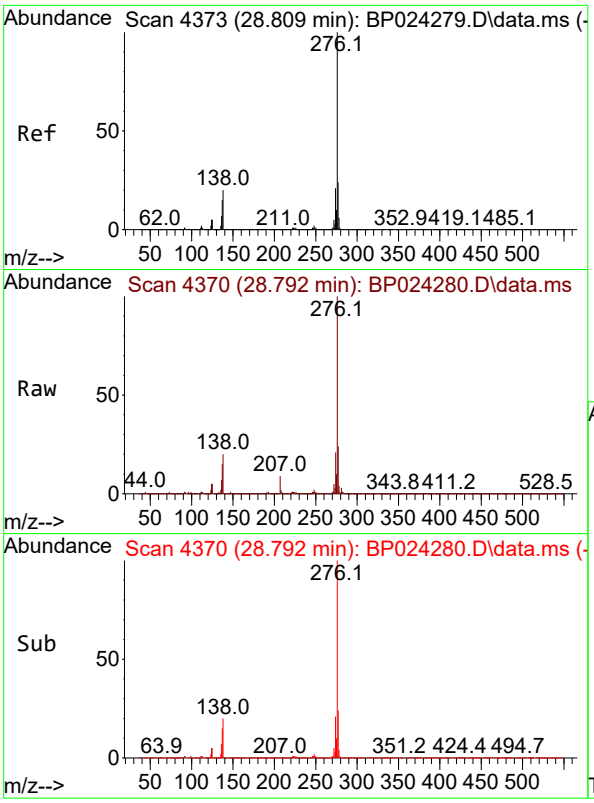


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:264 Resp: 1706545

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.8	26.6



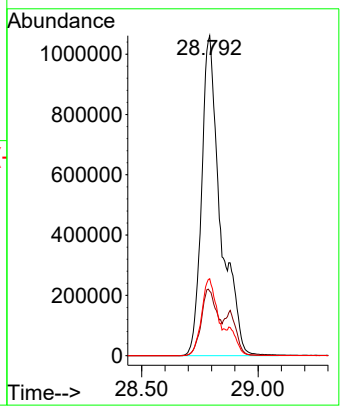


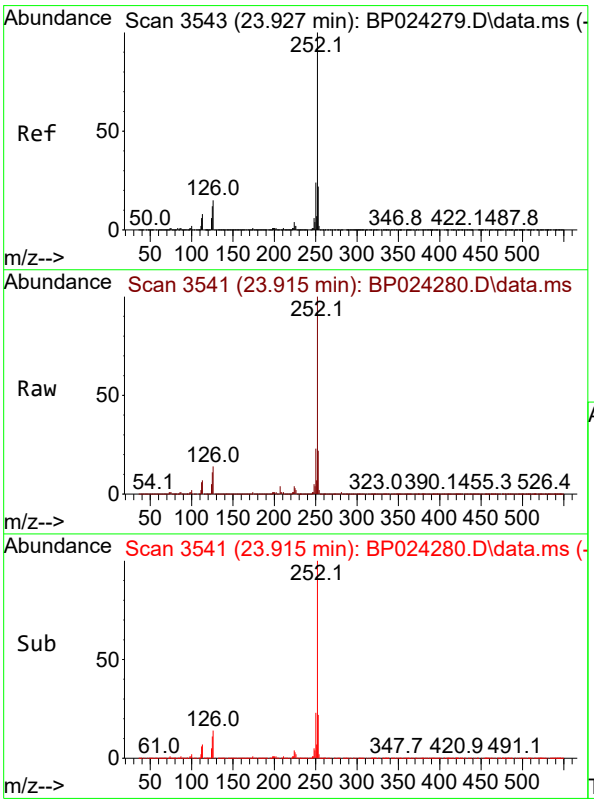
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.926 ng m
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5977144

Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.5	21.7
277	20.8	20.2	30.2

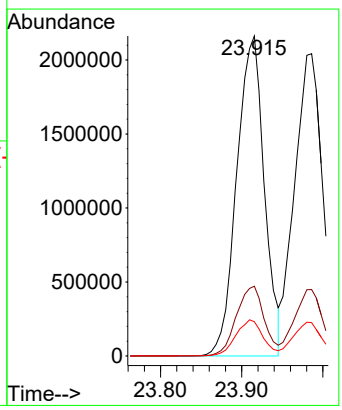


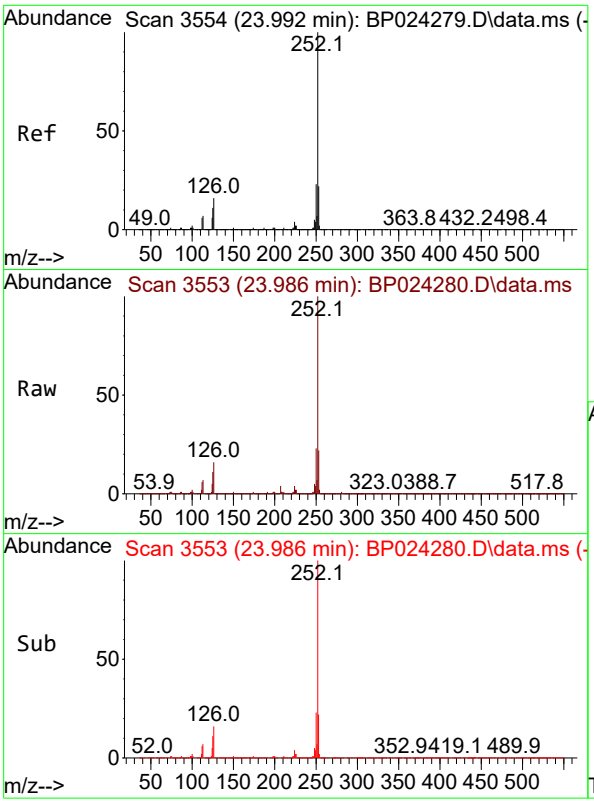


#88
Benzo(b)fluoranthene
Concen: 49.975 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 5102465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.7	9.4	14.0



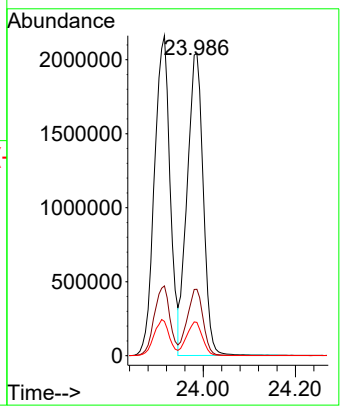


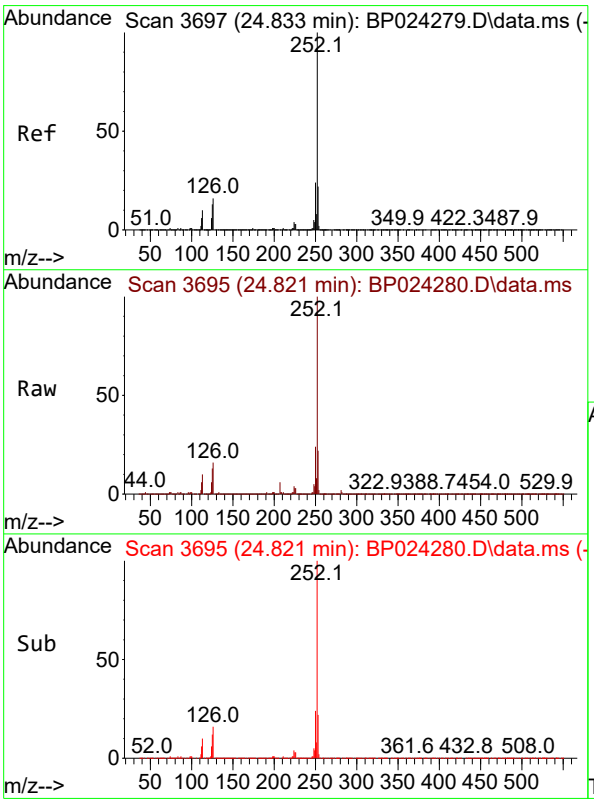
#89
Benzo(k)fluoranthene
Concen: 49.683 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4923203

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

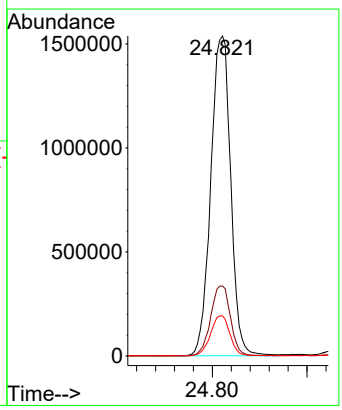


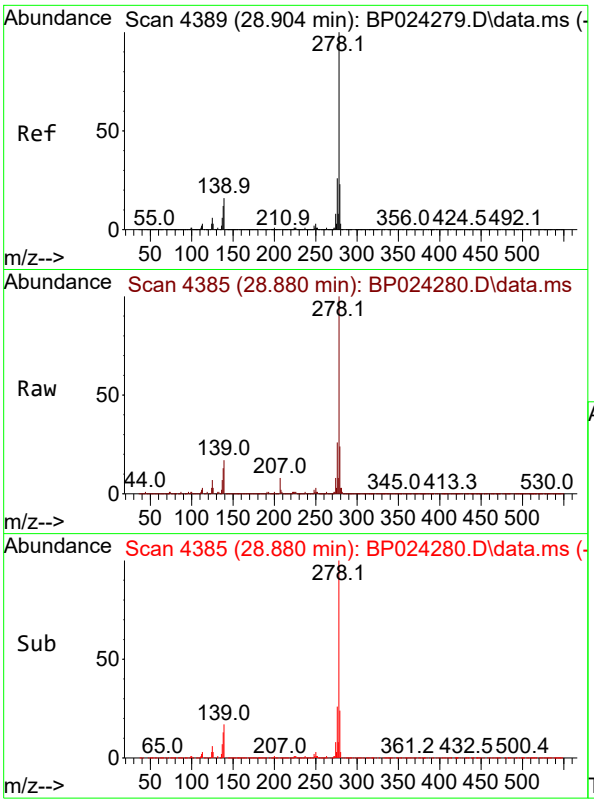


#90
Benzo(a)pyrene
Concen: 51.093 ng
RT: 24.821 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 4490517

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.5	10.1	15.1



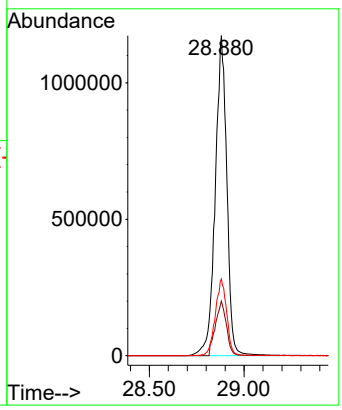


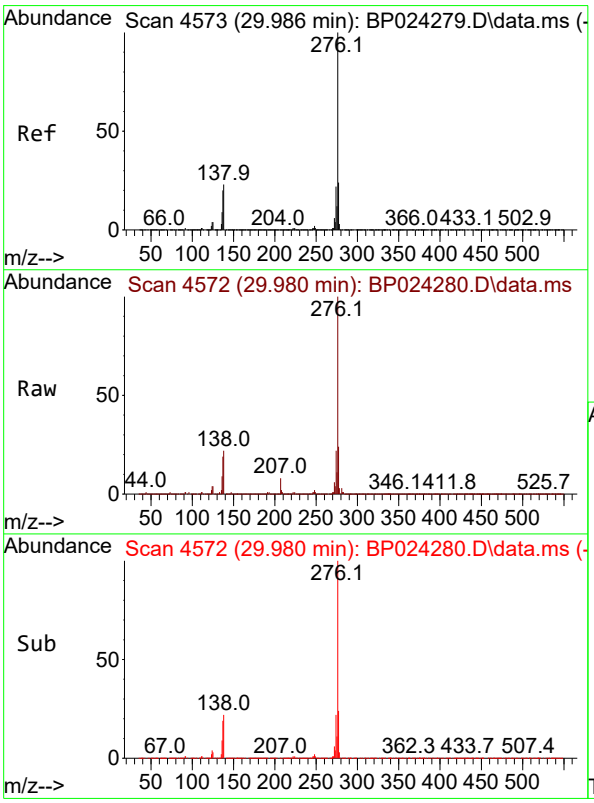
#91
Dibenzo(a,h)anthracene
Concen: 51.084 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4987219

Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.6	19.0
279	24.0	18.5	27.7

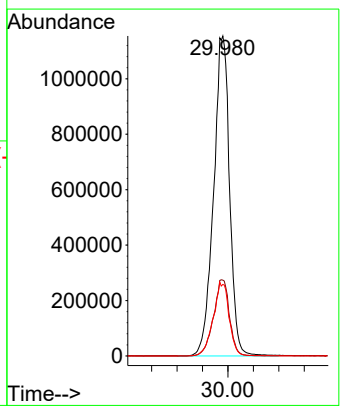




#92
Benzo(g,h,i)perylene
Concen: 50.656 ng
RT: 29.980 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:276 Resp: 5033807

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	1176097m	61.599	ng		
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	1032910m	74.795	ng		
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

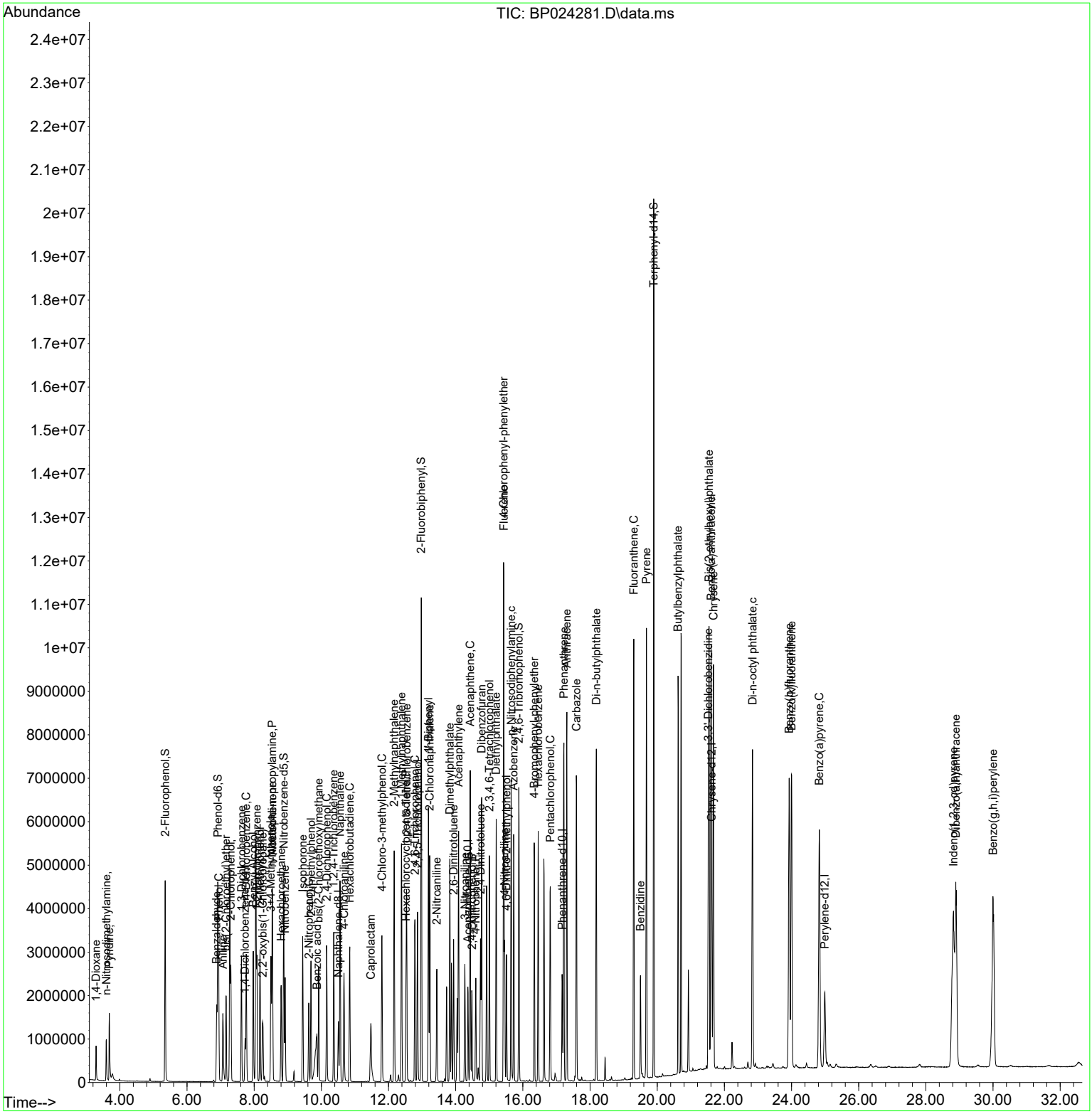
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

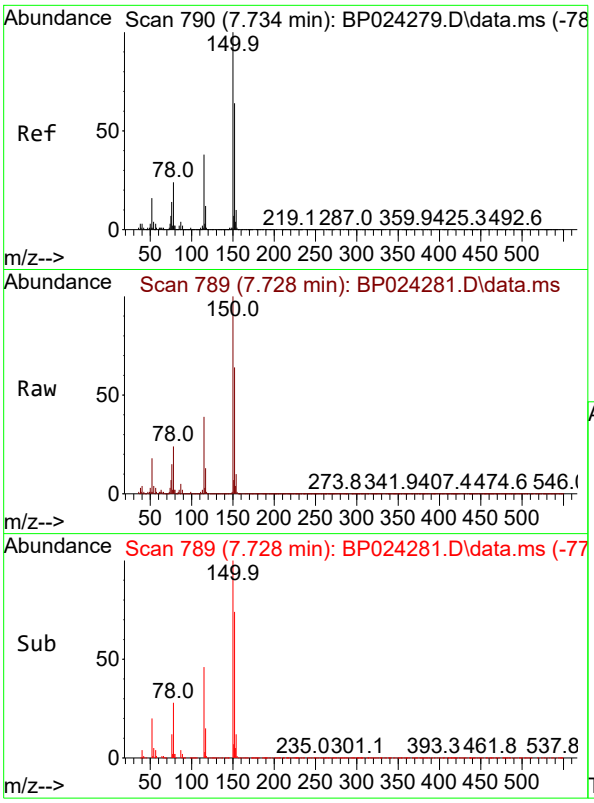
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



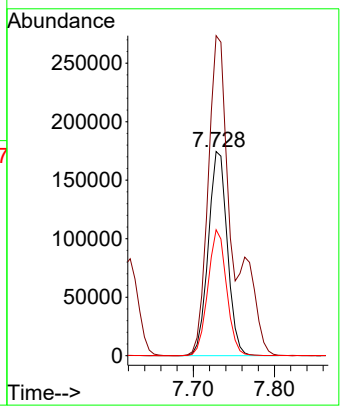


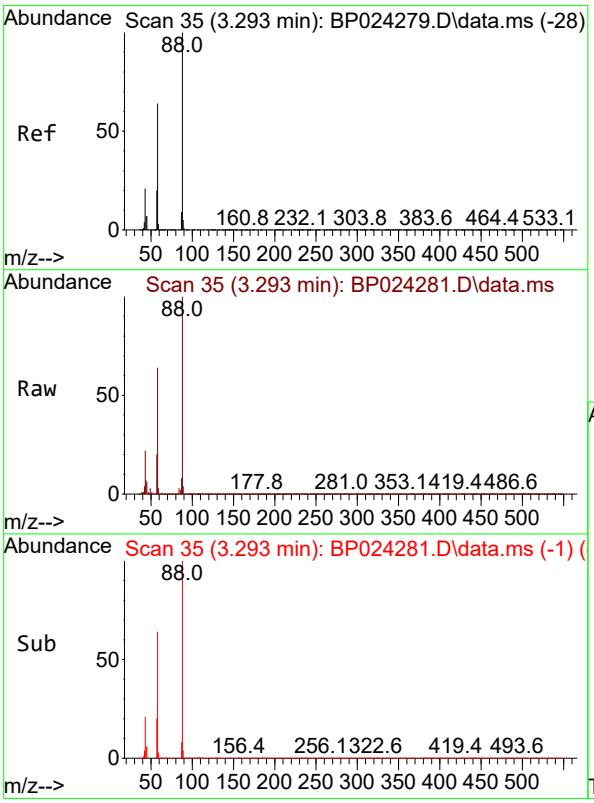
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 283549

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	61.7	47.7	71.5

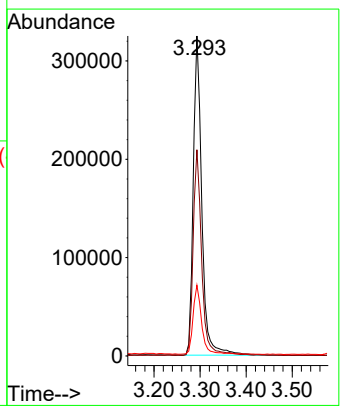


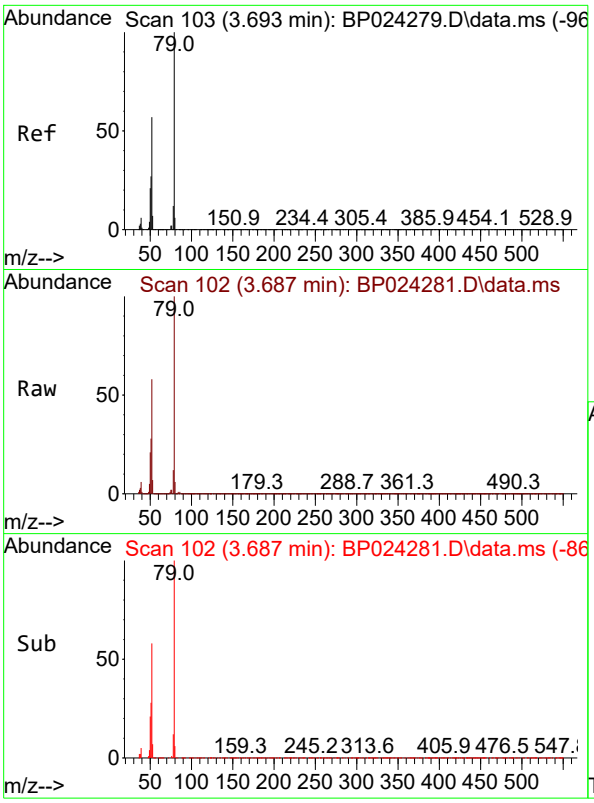


#2
1,4-Dioxane
Concen: 56.869 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 88 Resp: 417124

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.4	17.1	25.7



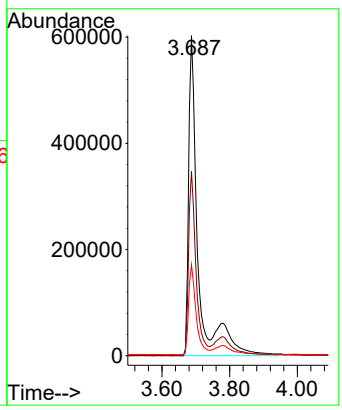


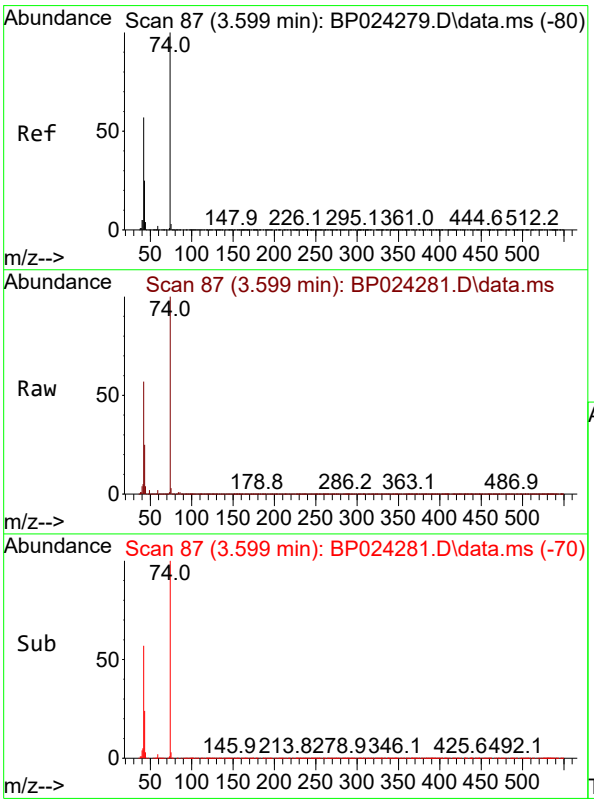
#3
Pyridine
Concen: 61.599 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1176097

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.4	22.6	33.8

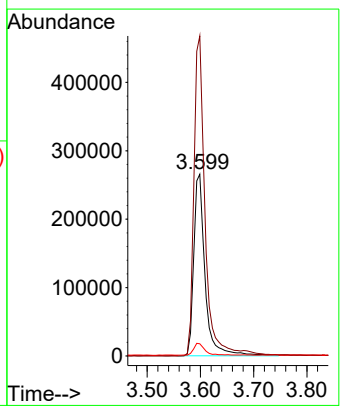


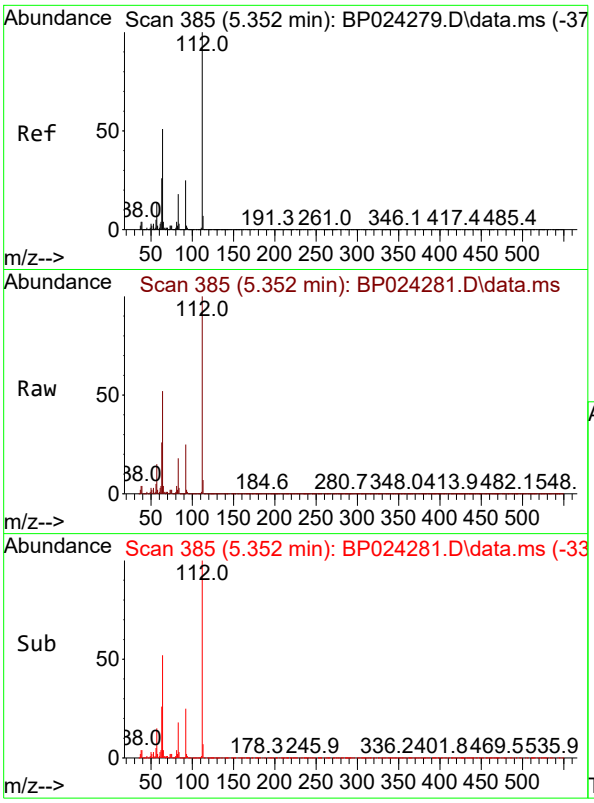


#4
n-Nitrosodimethylamine
Concen: 61.443 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 42 Resp: 391176

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.5	209.3
44	6.7	5.8	8.8



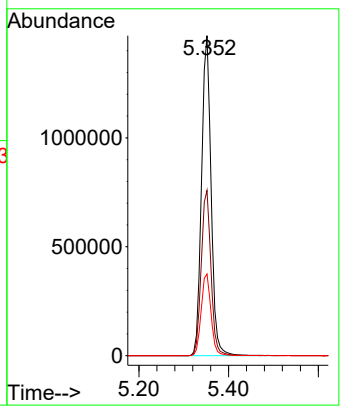


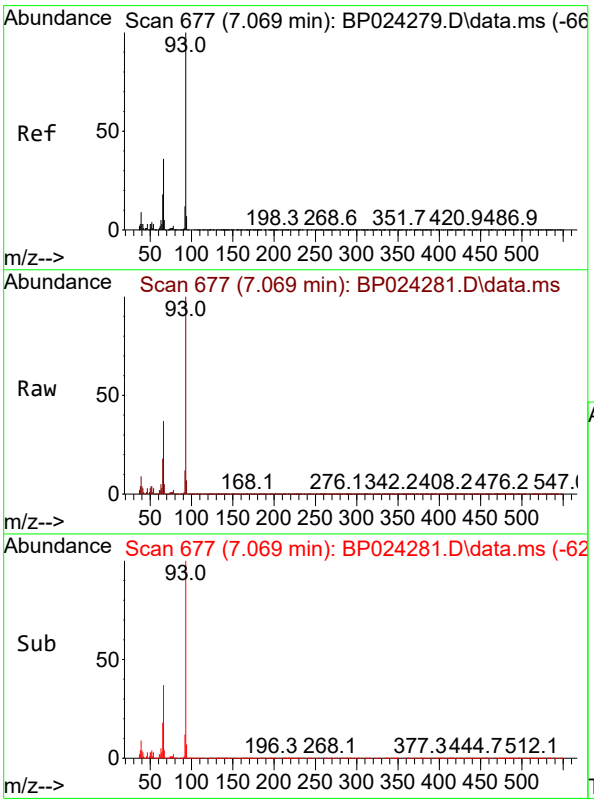
#5
2-Fluorophenol
Concen: 126.481 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2173071

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	25.5	20.6	30.8

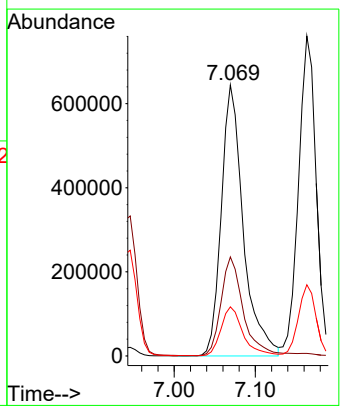


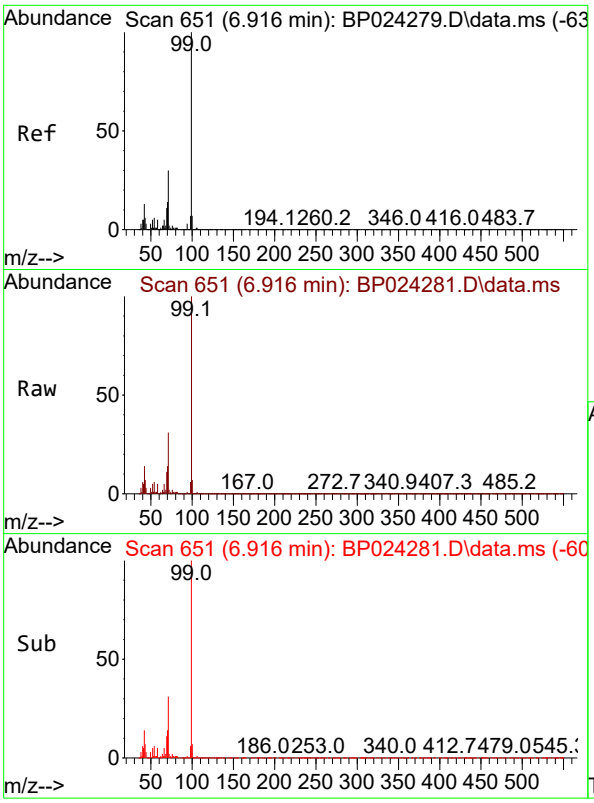


#6
Aniline
Concen: 57.245 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1214636

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.1	14.7	22.1



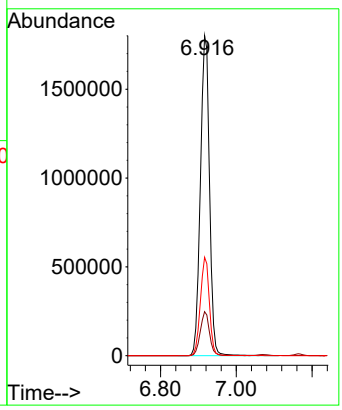


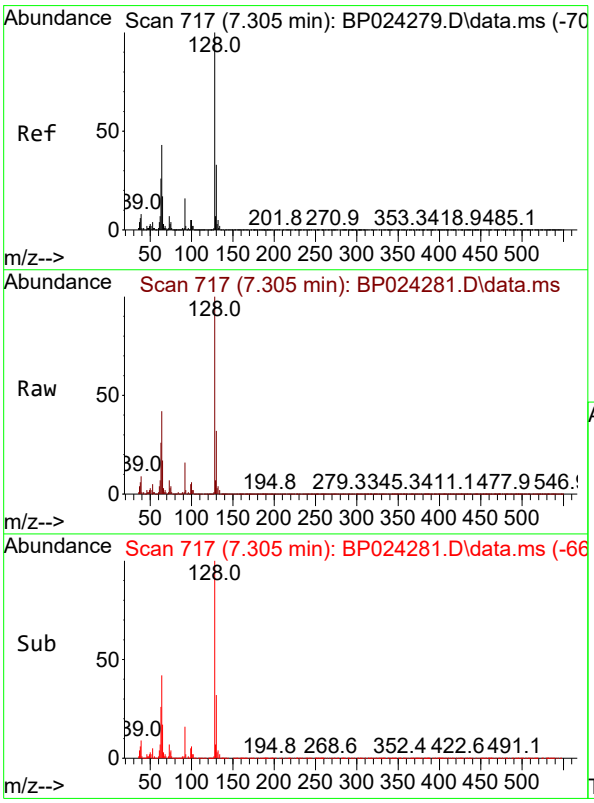
#7
Phenol-d6
Concen: 128.049 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3009690

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.7	35.5

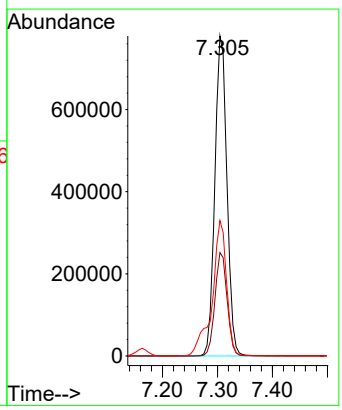


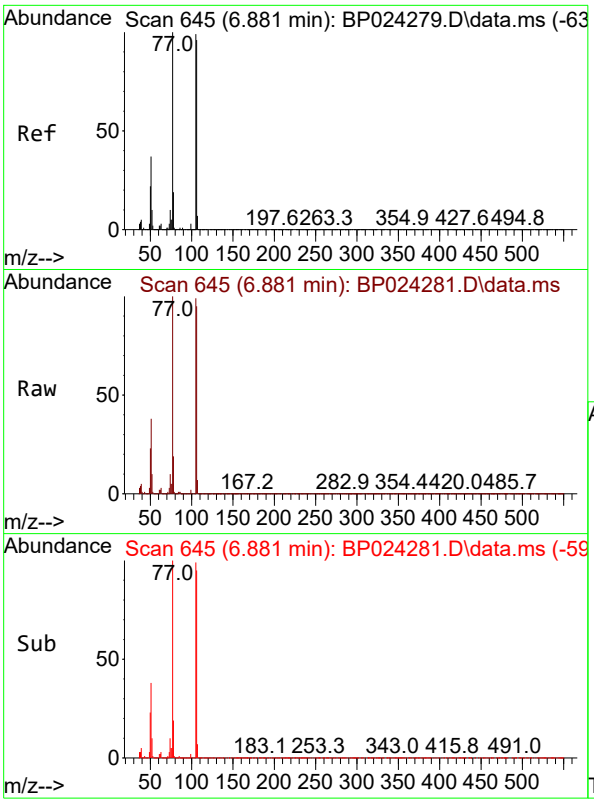


#8
2-Chlorophenol
Concen: 62.021 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:128 Resp: 1190812

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.3	22.7	62.7



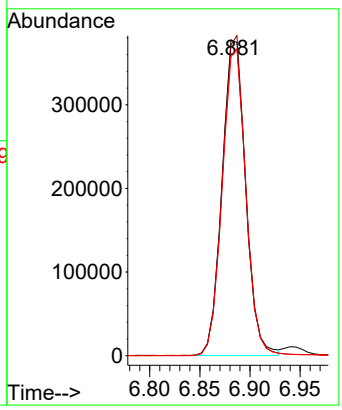


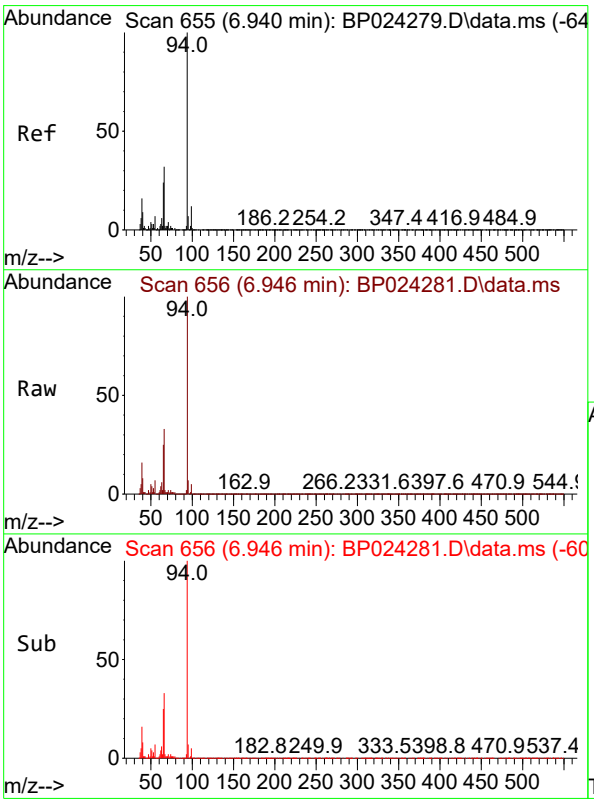
#9
Benzaldehyde
Concen: 50.755 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 617878

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.2	119.2
106	94.7	76.2	116.2

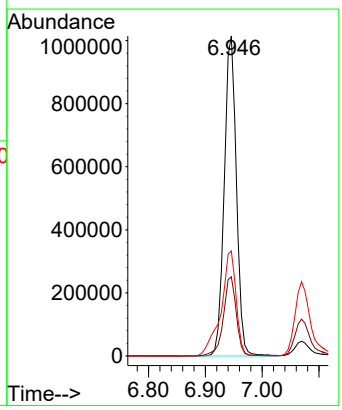


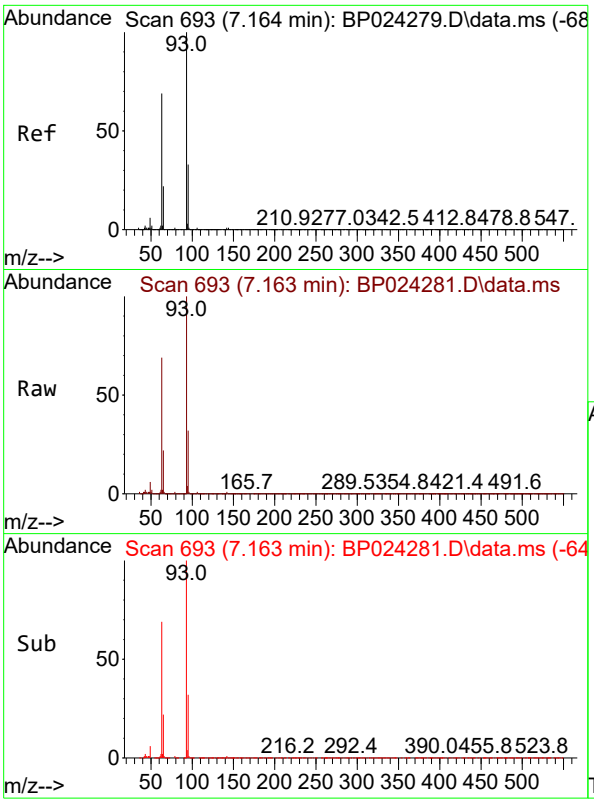


#10
Phenol
Concen: 64.123 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 94 Resp: 1513303

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



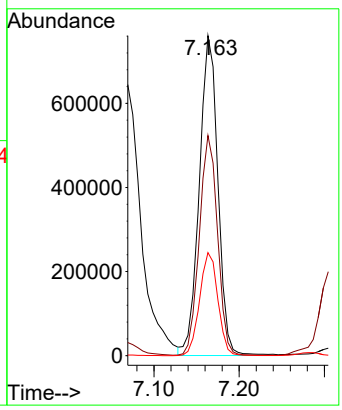


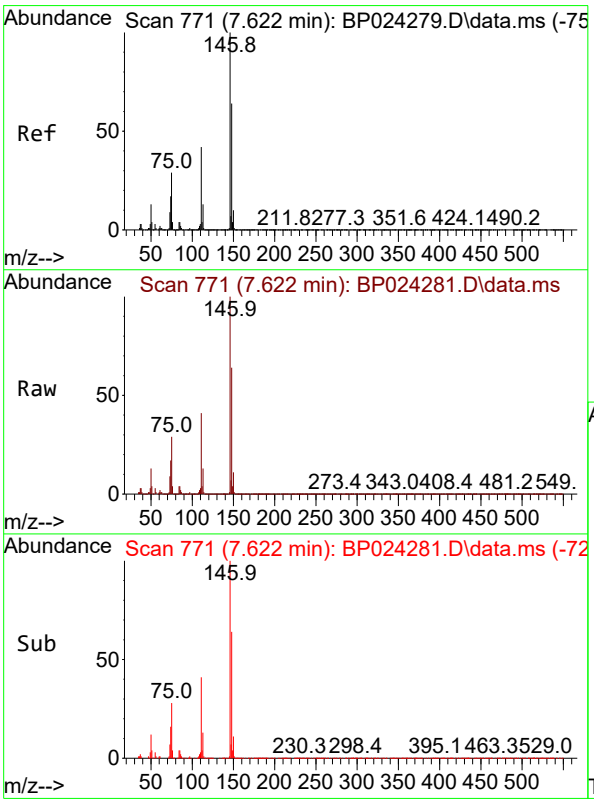
#11
bis(2-Chloroethyl)ether
Concen: 60.579 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1155297

Ion	Ratio	Lower	Upper
93	100		
63	68.8	48.6	88.6
95	32.2	12.3	52.3

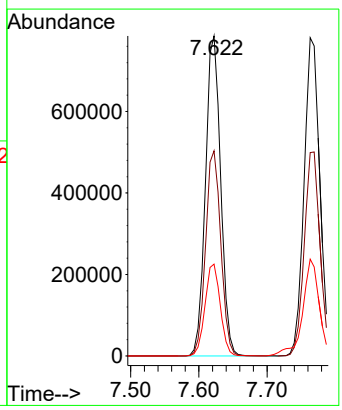


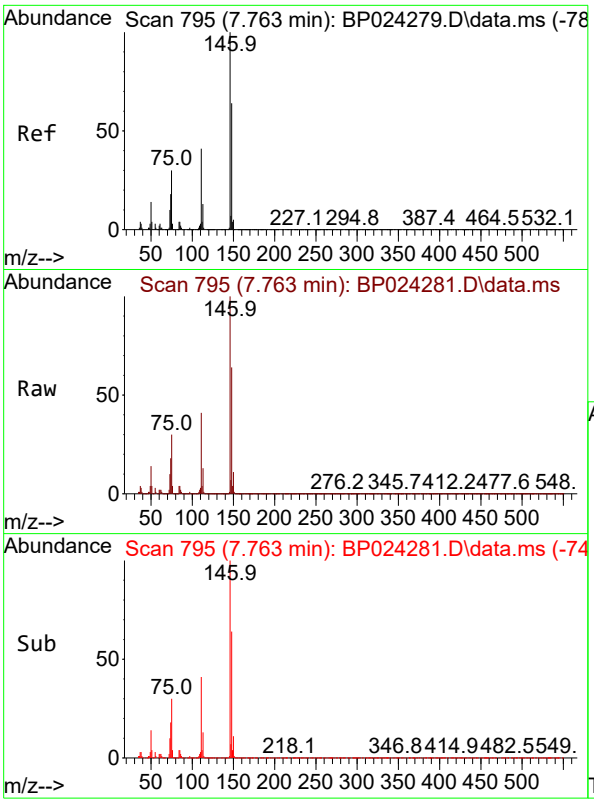


#12
1,3-Dichlorobenzene
Concen: 58.589 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1218832

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.7	22.9	34.3



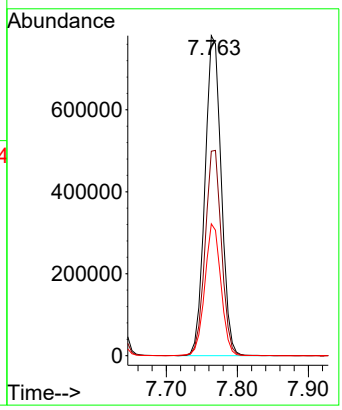


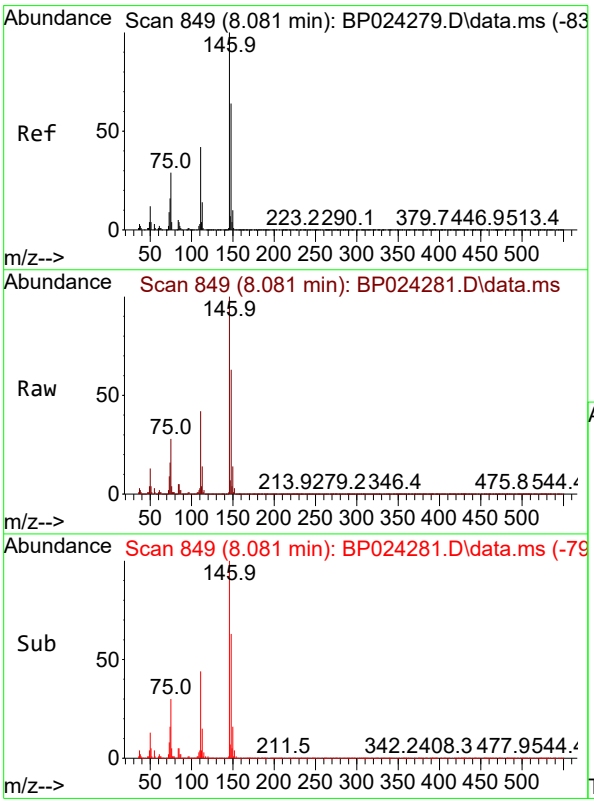
#13
1,4-Dichlorobenzene
Concen: 58.981 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1244205

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.2	32.6	48.8

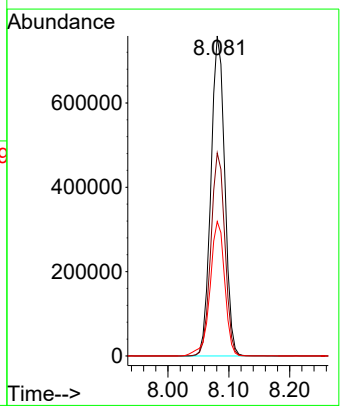


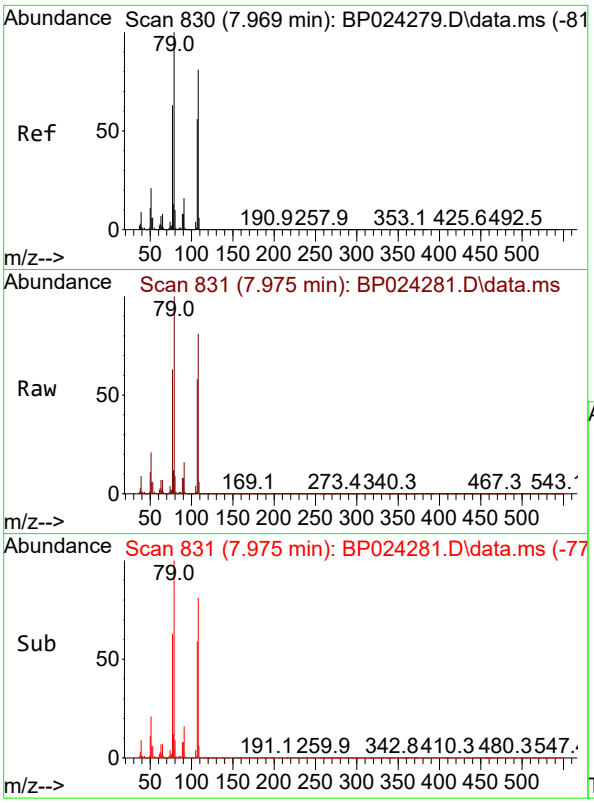


#14
1,2-Dichlorobenzene
Concen: 58.830 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1199988

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	42.0	33.8	50.8



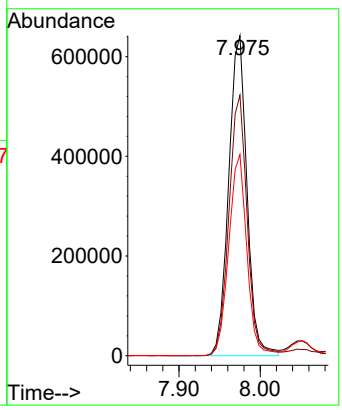


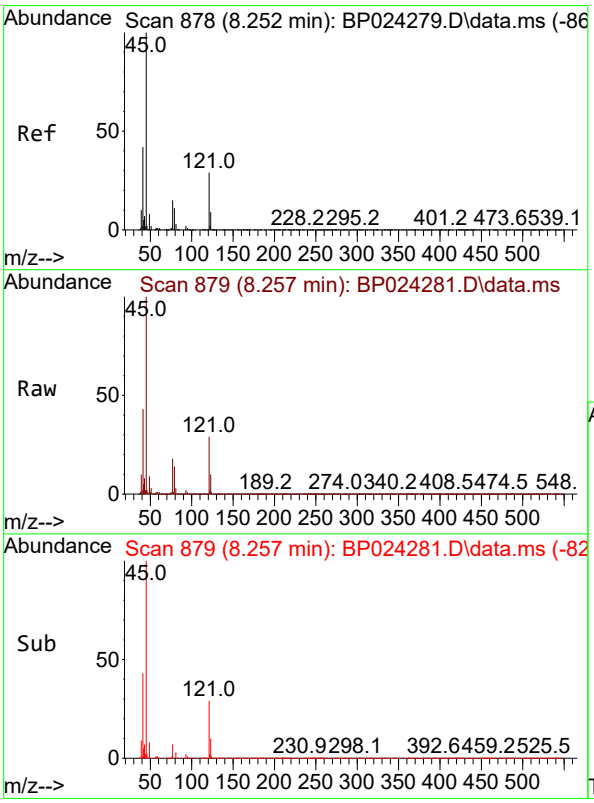
#15
Benzyl Alcohol
Concen: 66.533 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1002308

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	62.9	50.7	76.1

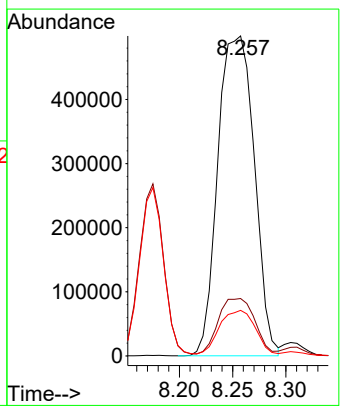


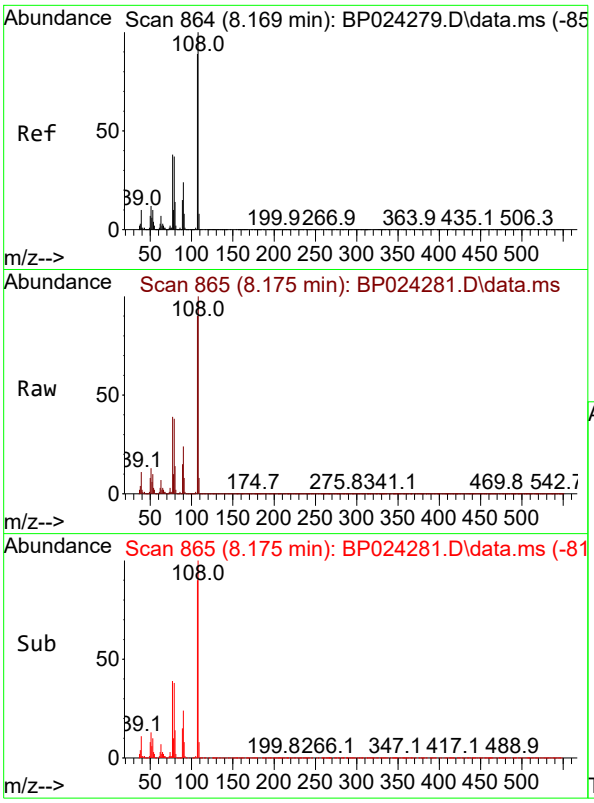


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.259 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 45 Resp: 1187992

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.3	0.0	33.5



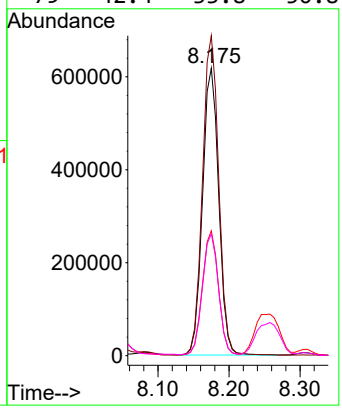


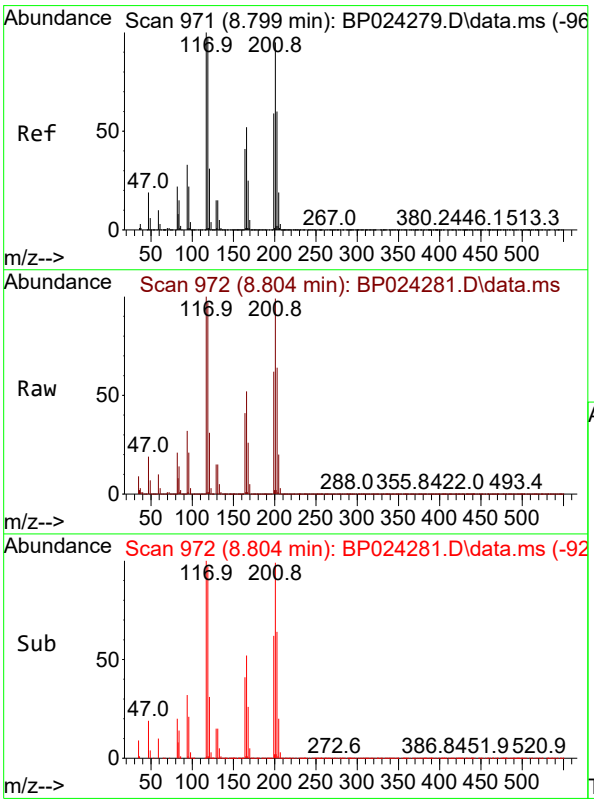
#17
2-Methylphenol
Concen: 64.342 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 978531

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.8	134.6
77	43.4	34.2	51.4
79	42.4	33.8	50.8

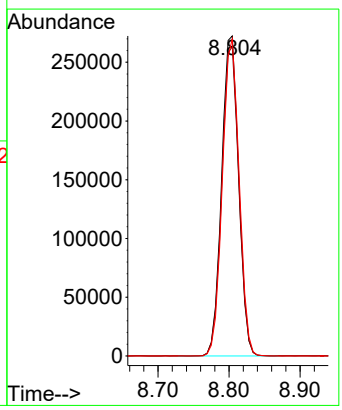


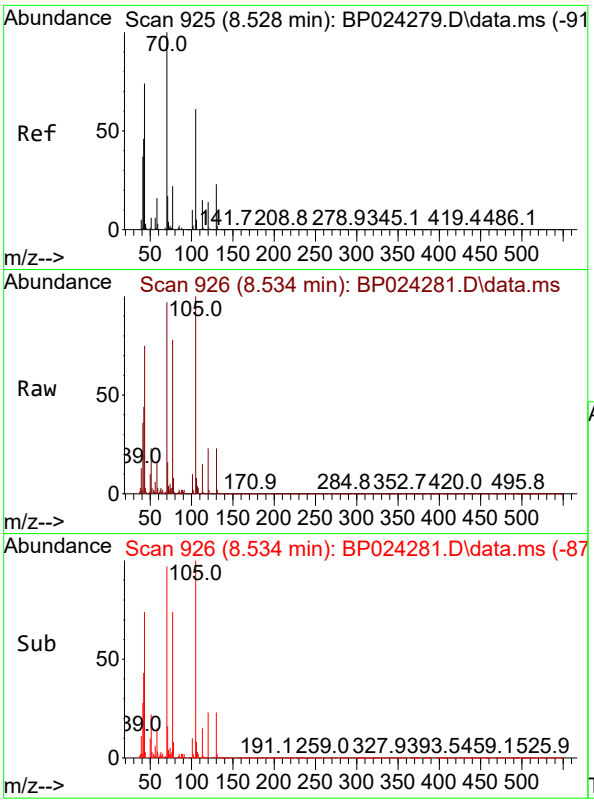


#18
Hexachloroethane
Concen: 59.545 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:117 Resp: 453349

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
201	99.1	75.9	113.9



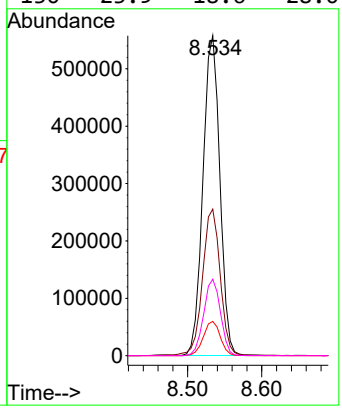


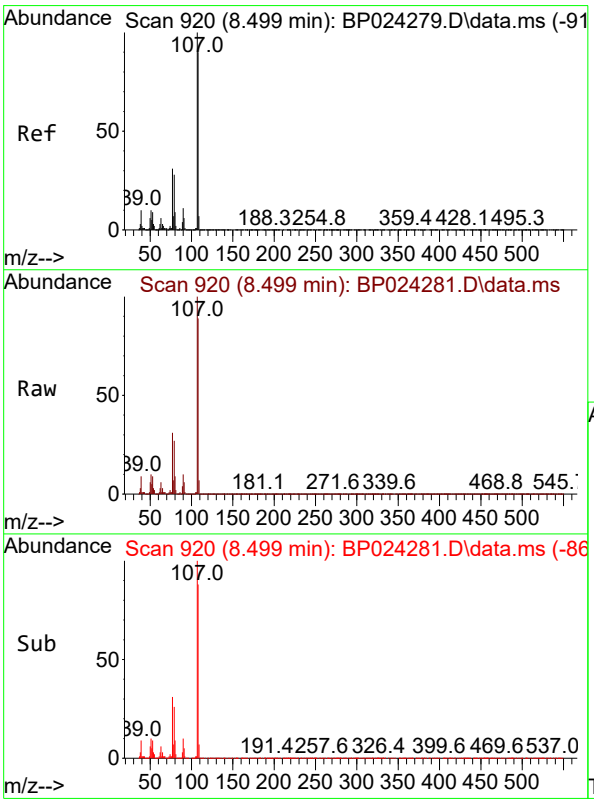
#19
n-Nitroso-di-n-propylamine
Concen: 60.486 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 883042

Ion	Ratio	Lower	Upper
70	100		
42	45.8	37.3	55.9
101	10.7	8.2	12.4
130	23.9	18.6	28.0

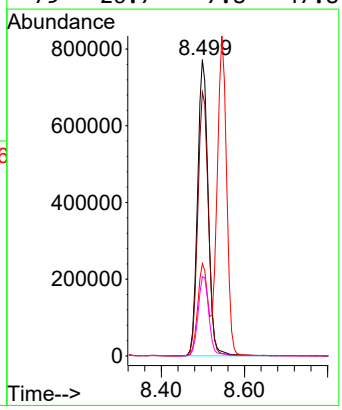


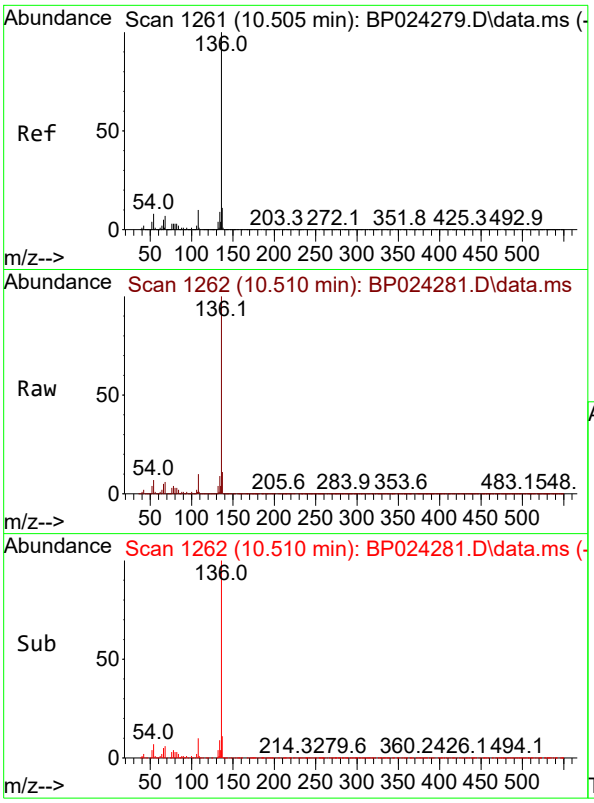


#20
3+4-Methylphenols
Concen: 64.895 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1367005

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	31.1	11.5	51.5
79	26.7	7.8	47.8



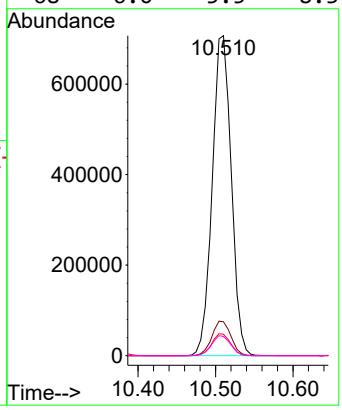


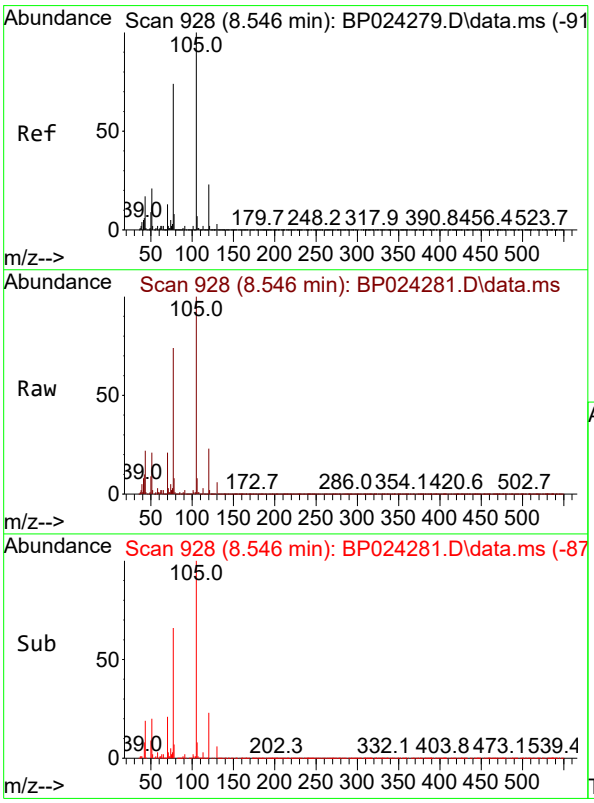
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1206231

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.7	6.0	9.0
68	6.0	5.5	8.3

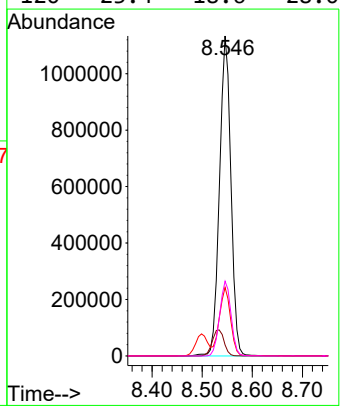


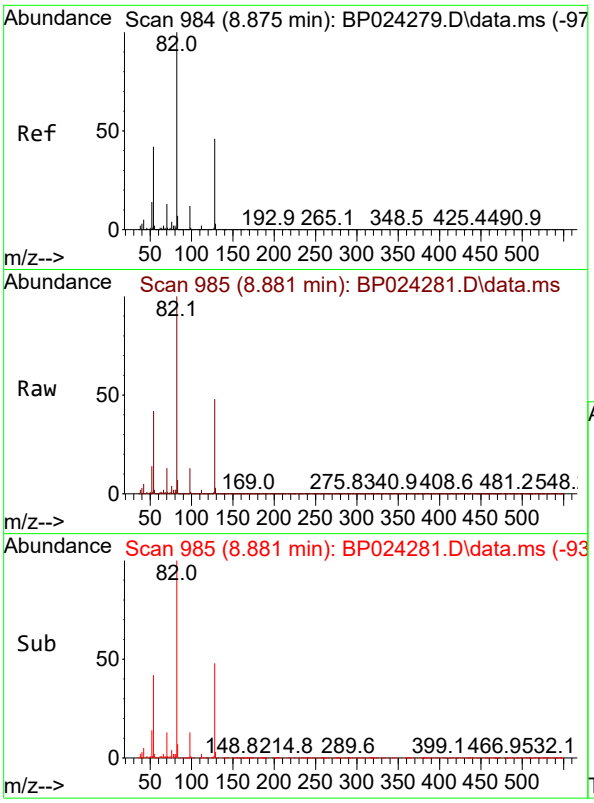


#22
Acetophenone
Concen: 59.797 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:105 Resp: 1792666

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.7	2.5#
51	21.4	16.9	25.3
120	23.4	18.6	28.0



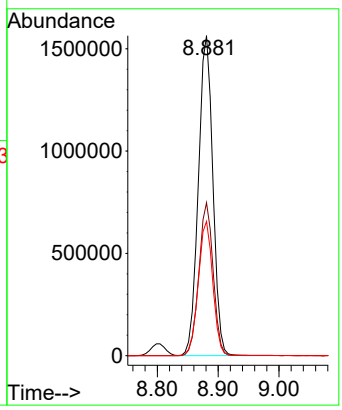


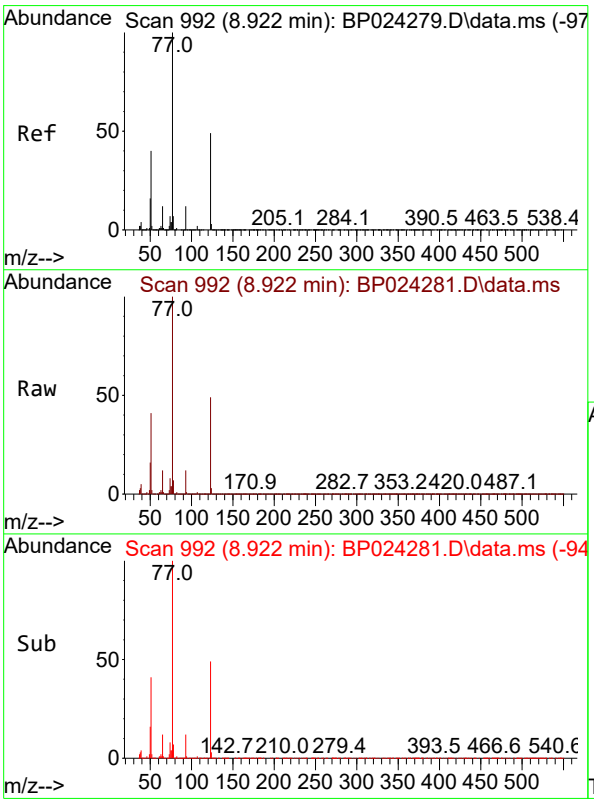
#23
Nitrobenzene-d5
Concen: 121.729 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2579126

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	41.9	33.4	50.2

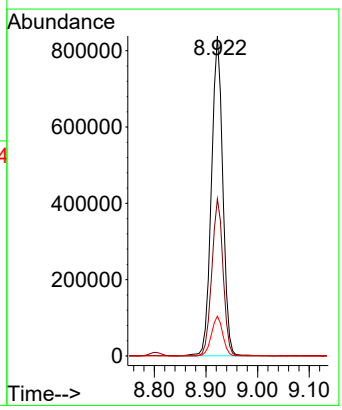


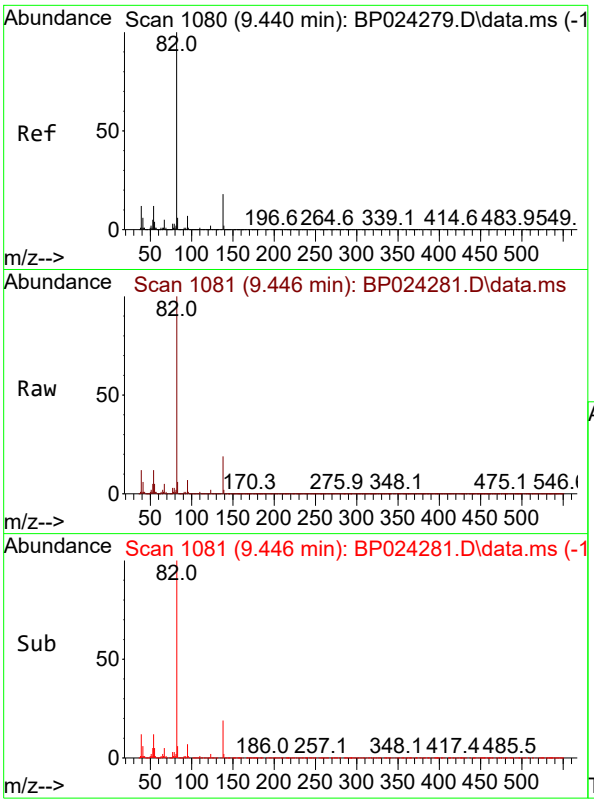


#24
Nitrobenzene
Concen: 60.775 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 77 Resp: 1276229

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6



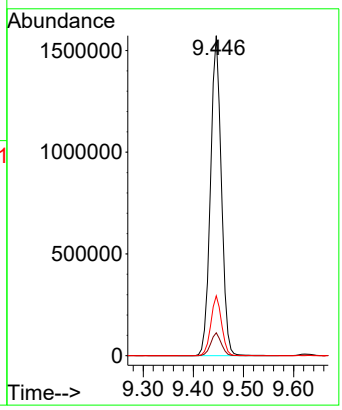


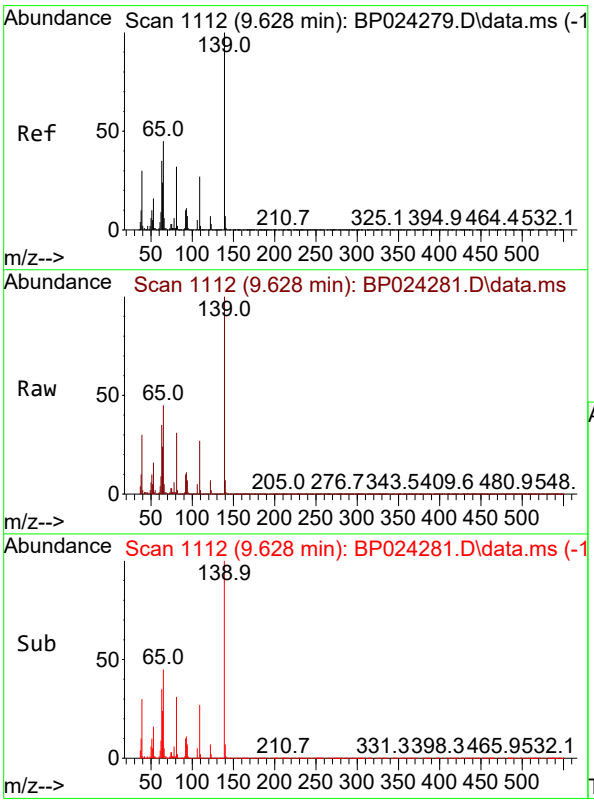
#25
Isophorone
Concen: 61.842 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2365423

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	14.4	21.6

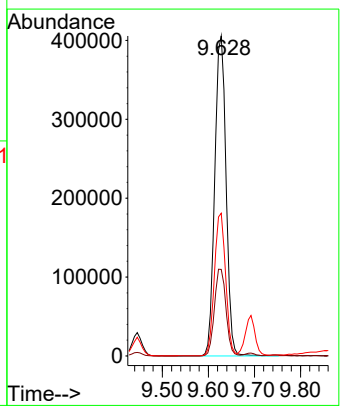


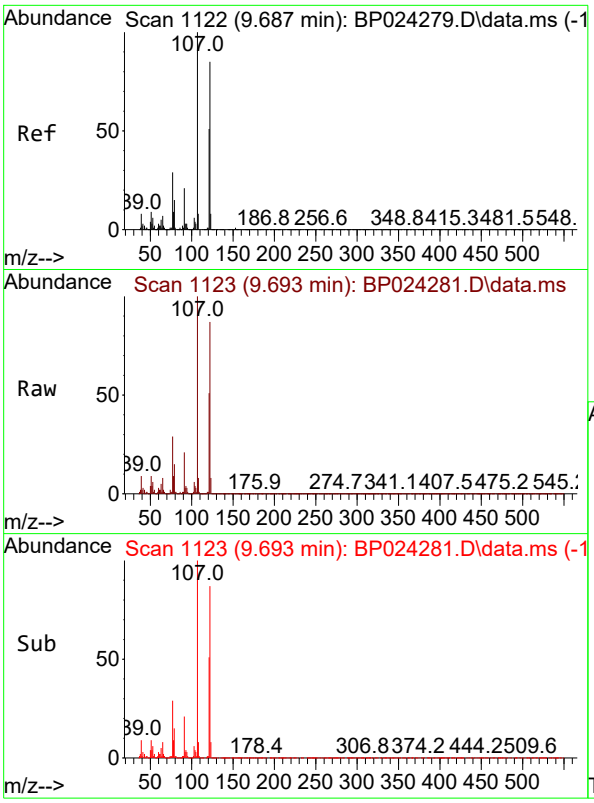


#26
2-Nitrophenol
Concen: 68.504 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 690735

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.8	32.6
65	44.6	36.2	54.2



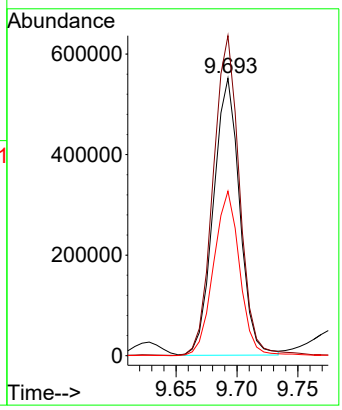


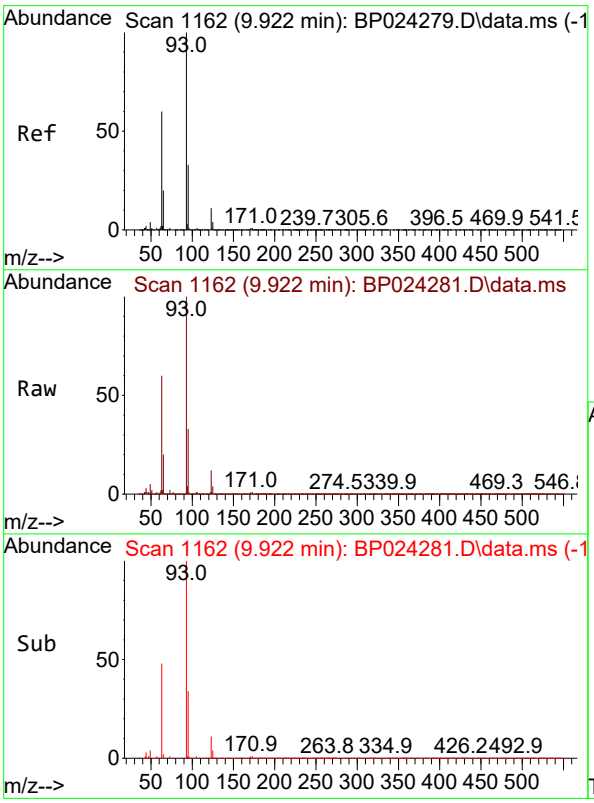
#27
2,4-Dimethylphenol
Concen: 64.660 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 826335

Ion	Ratio	Lower	Upper
122	100		
107	115.3	93.7	140.5
121	59.3	48.2	72.2

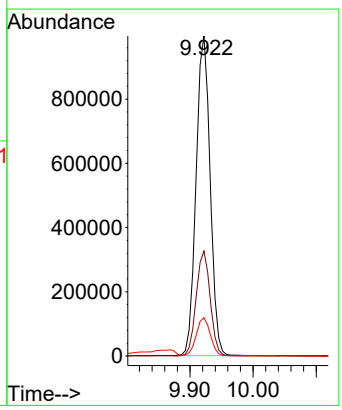


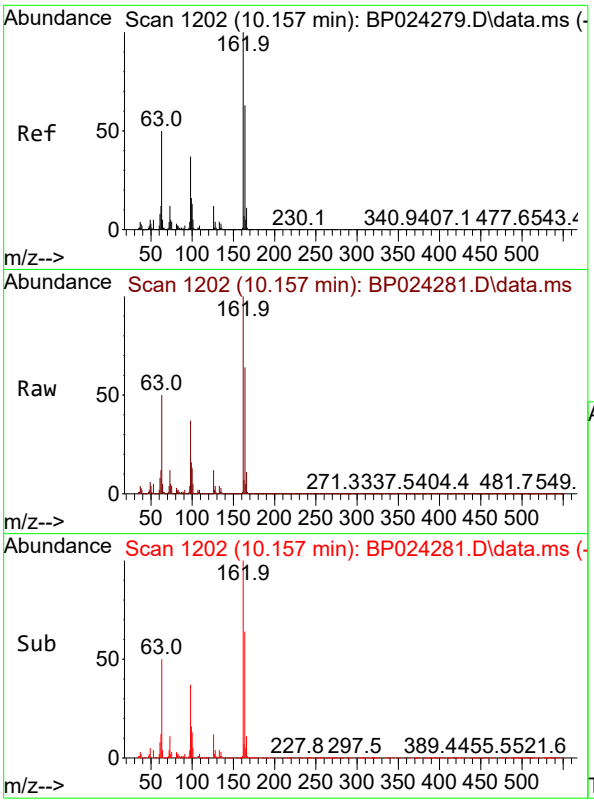


#28
bis(2-Chloroethoxy)methane
Concen: 59.124 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1539129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



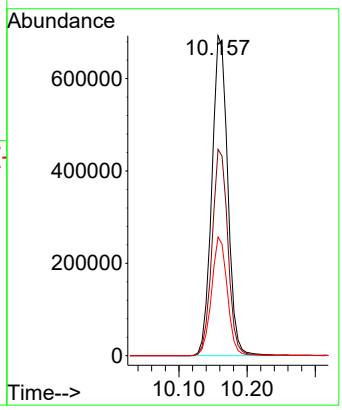


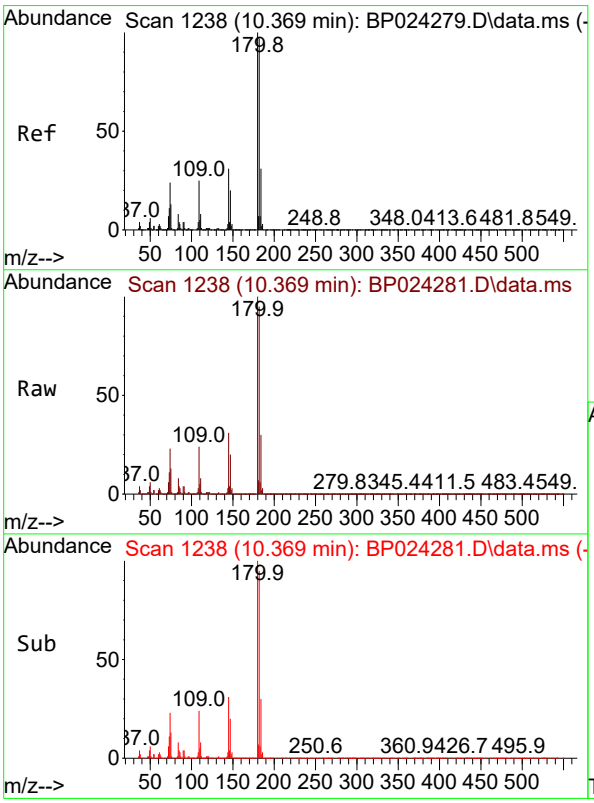
#29
2,4-Dichlorophenol
Concen: 64.543 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1124170

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.3	83.3
98	37.0	16.6	56.6

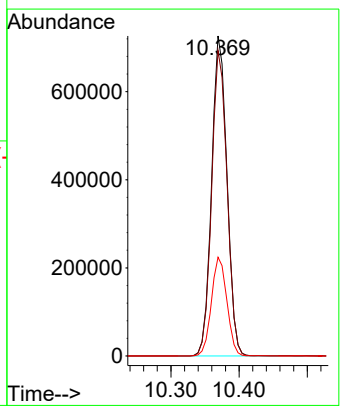


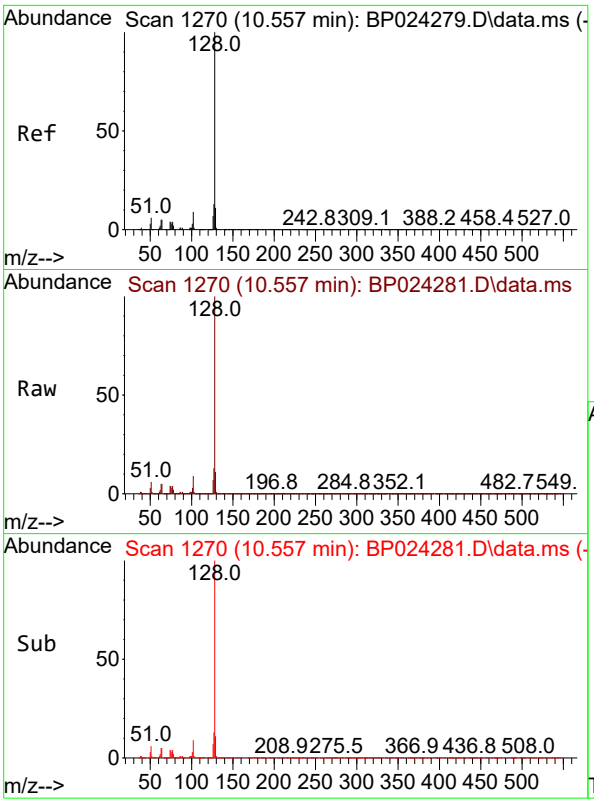


#30
1,2,4-Trichlorobenzene
Concen: 60.440 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:180 Resp: 1138896

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.8	25.1	37.7



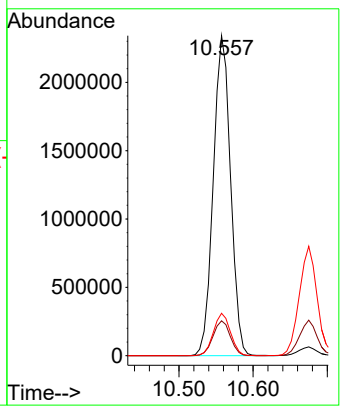


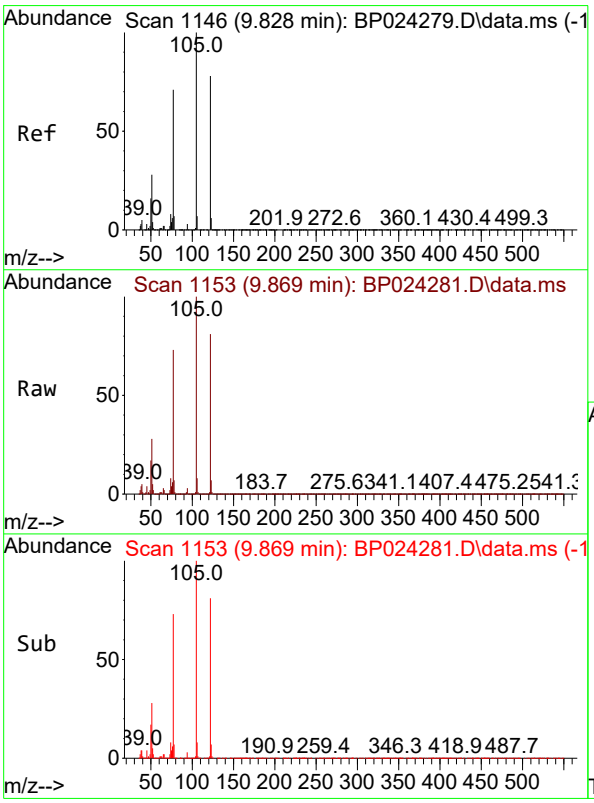
#31
Naphthalene
Concen: 59.373 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3790924

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

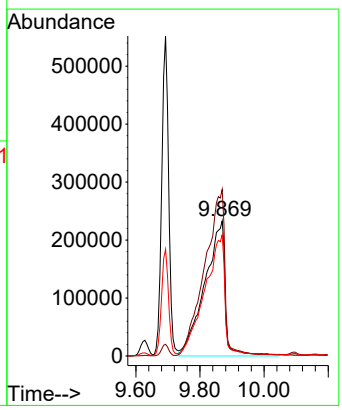


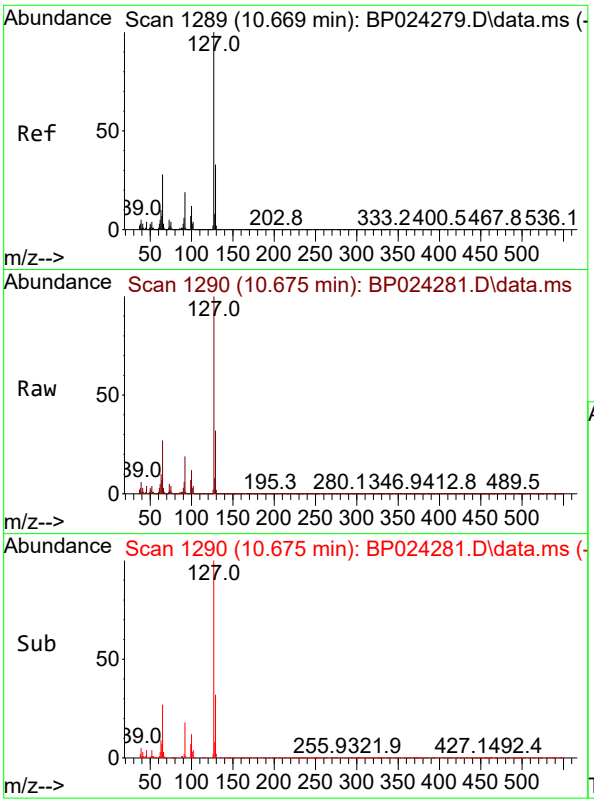


#32
Benzoic acid
Concen: 74.795 ng m
RT: 9.869 min Scan# 1153
Delta R.T. 0.041 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:122 Resp: 1032910

Ion	Ratio	Lower	Upper
122	100		
105	123.4	104.8	144.8
77	89.7	69.2	109.2



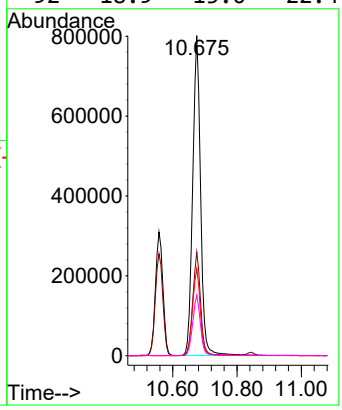


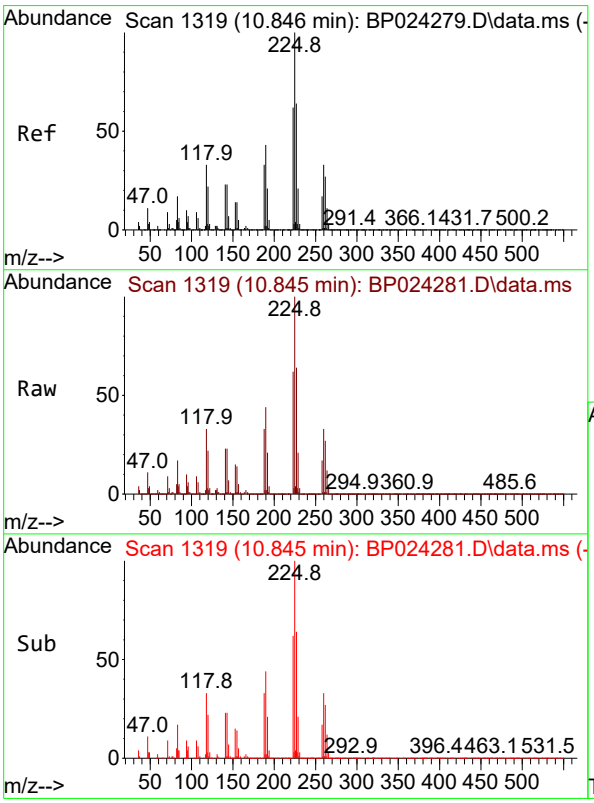
#33
4-Chloroaniline
Concen: 61.527 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1372601

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.9	15.0	22.4

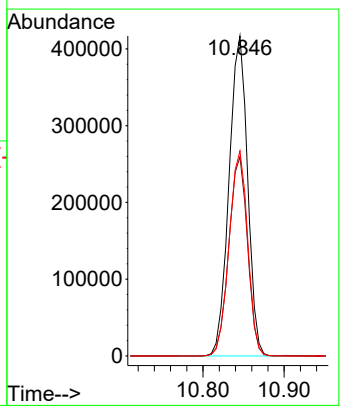


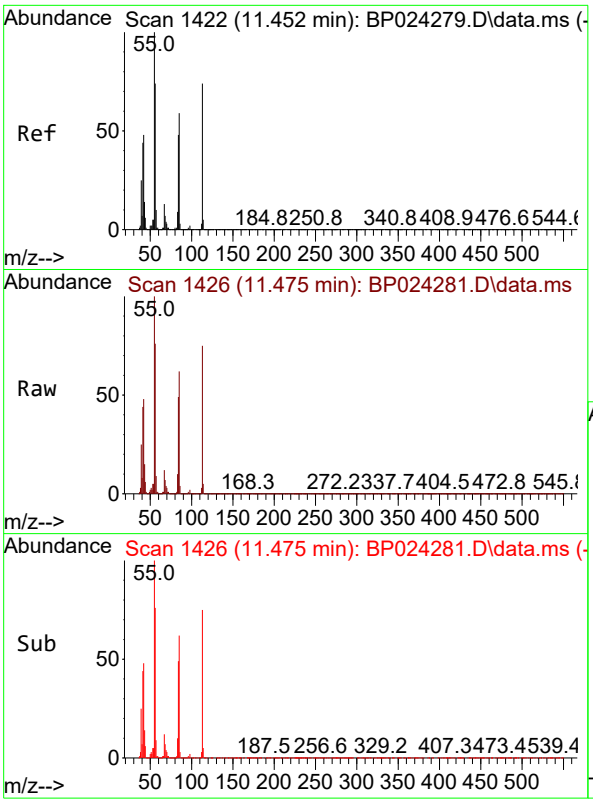


#34
Hexachlorobutadiene
Concen: 59.719 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:225 Resp: 660129

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.5	74.3
227	64.1	50.9	76.3



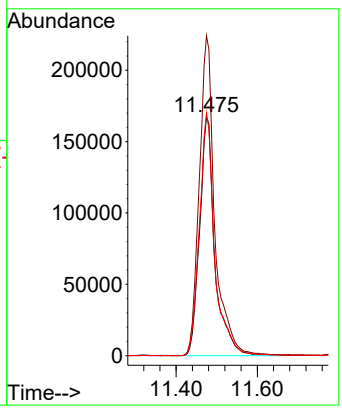


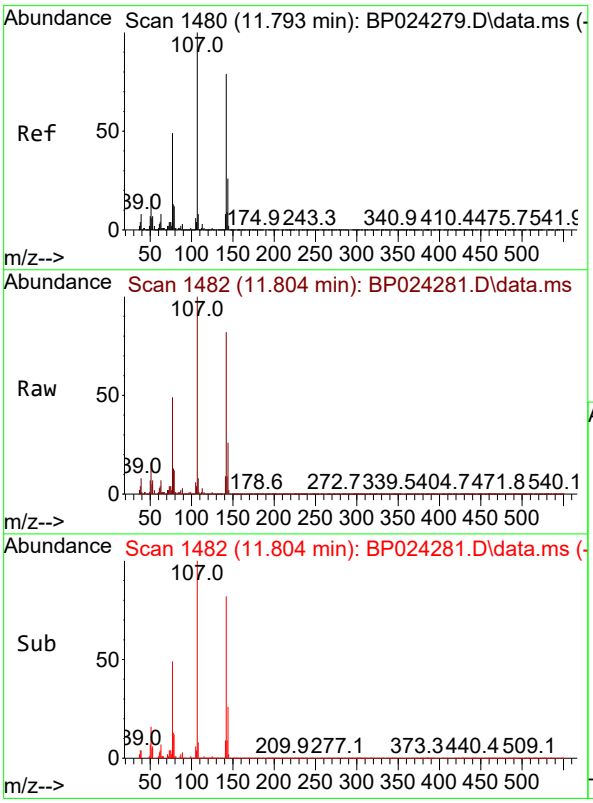
#35
Caprolactam
Concen: 68.445 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 437691

Ion	Ratio	Lower	Upper
113	100		
55	134.0	115.9	155.9
56	101.6	81.1	121.1

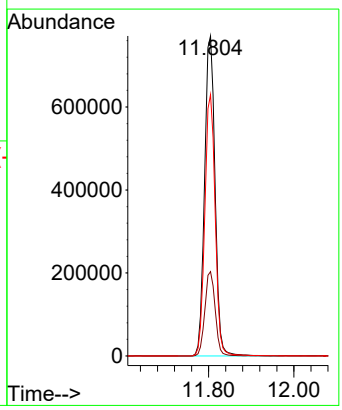


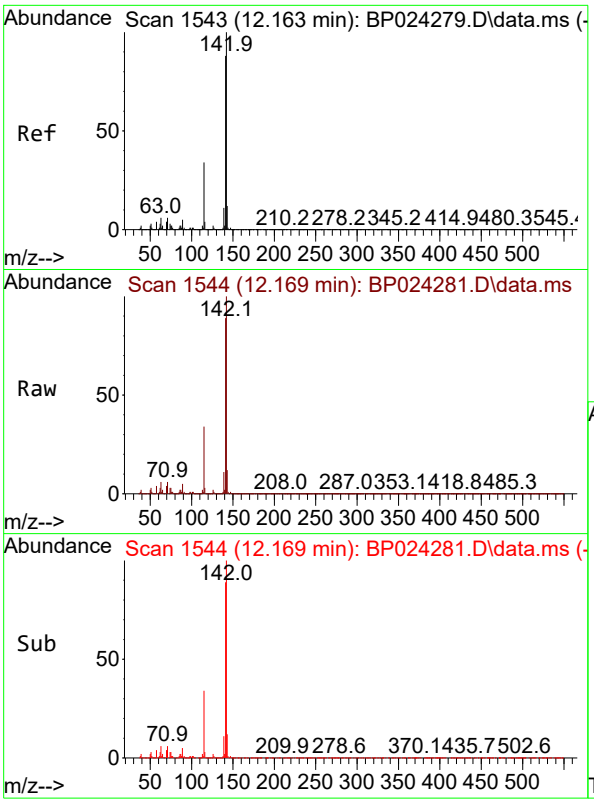


#36
4-Chloro-3-methylphenol
Concen: 64.762 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1314421

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.5	30.7
142	81.7	63.4	95.2



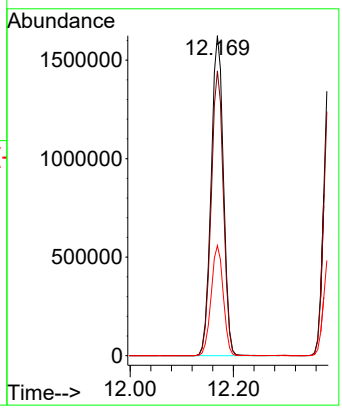


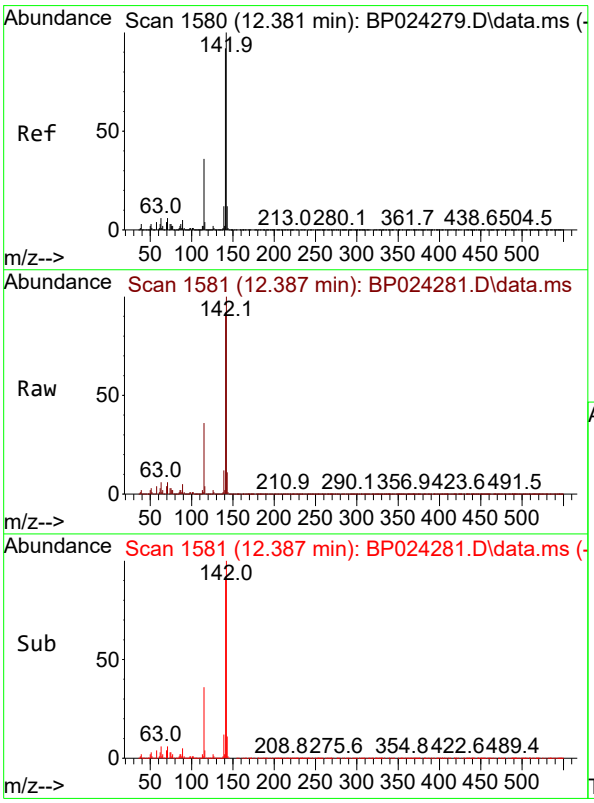
#37
2-Methylnaphthalene
Concen: 60.487 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2676555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	34.4	26.9	40.3

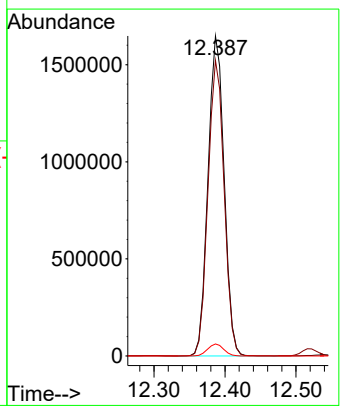


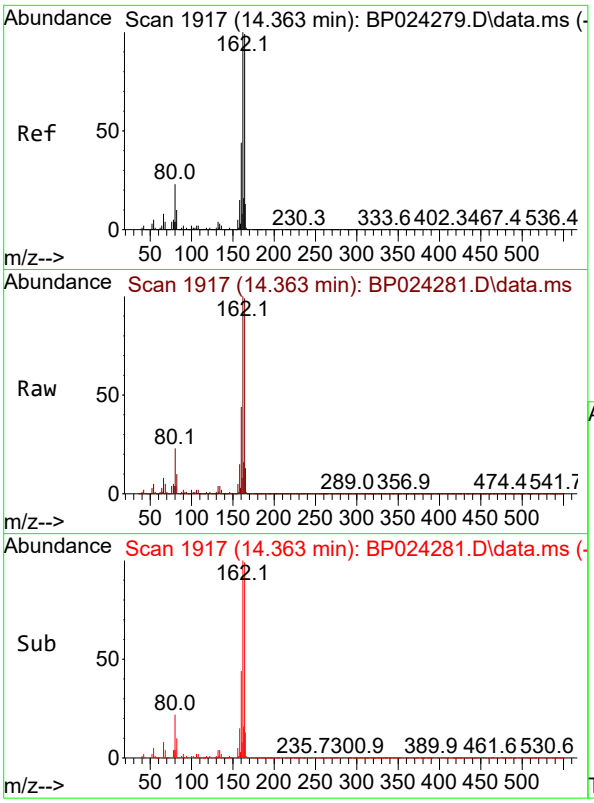


#38
1-Methylnaphthalene
Concen: 59.960 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:142 Resp: 2599119

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.7	3.0	4.6



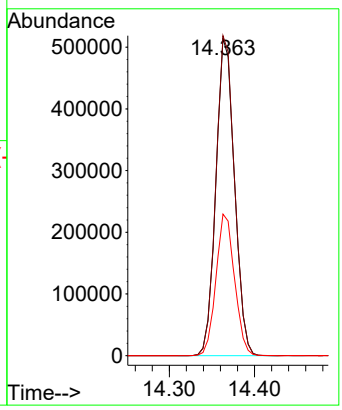


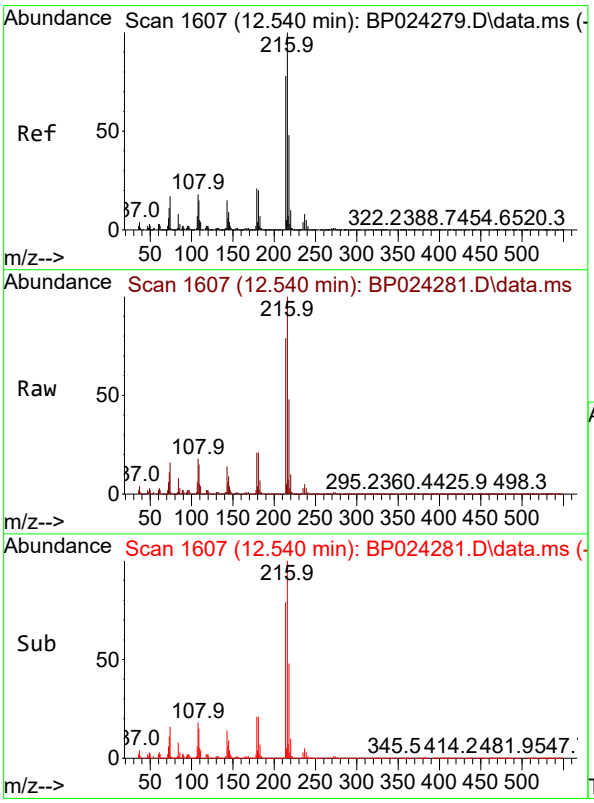
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 777459

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.6	35.3	52.9

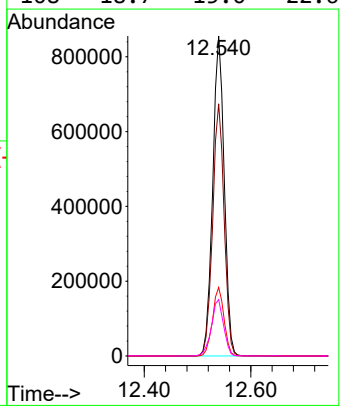


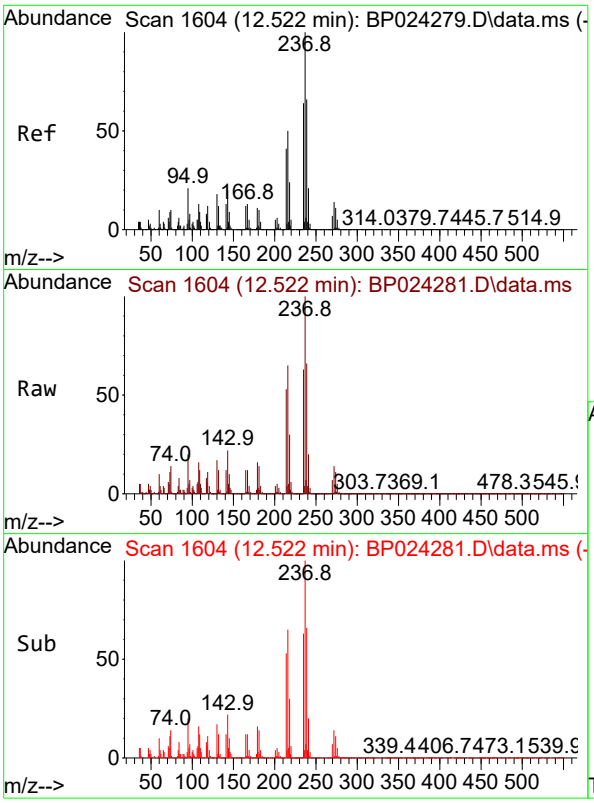


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.981 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:216 Resp: 1281552

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	93.8
179	21.4	17.2	25.8
108	18.7	15.0	22.6



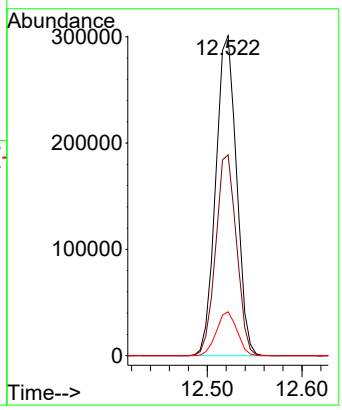


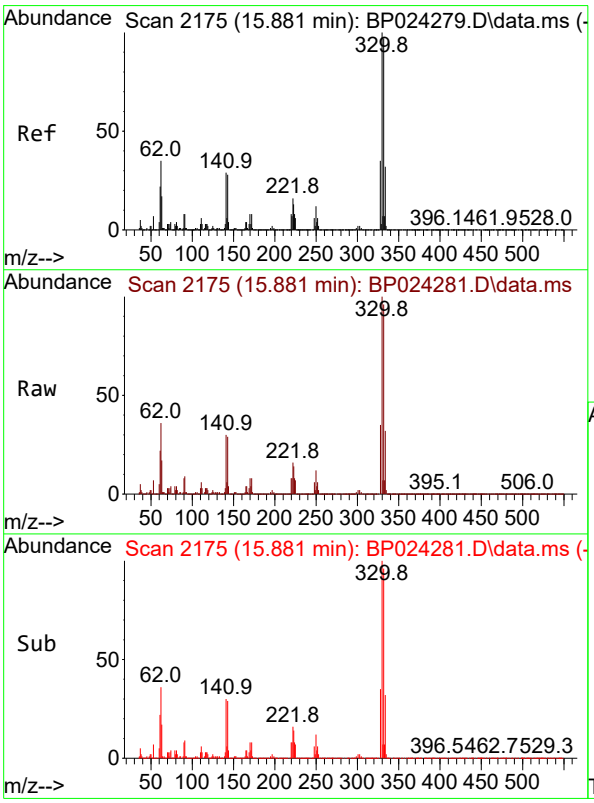
#41
Hexachlorocyclopentadiene
Concen: 61.257 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459486

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.7	0.0	33.6

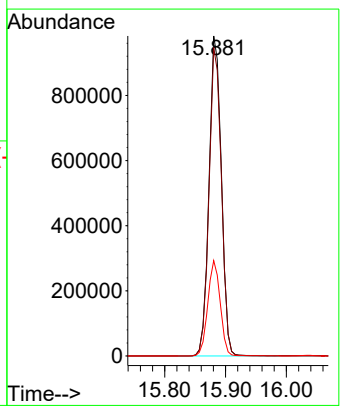


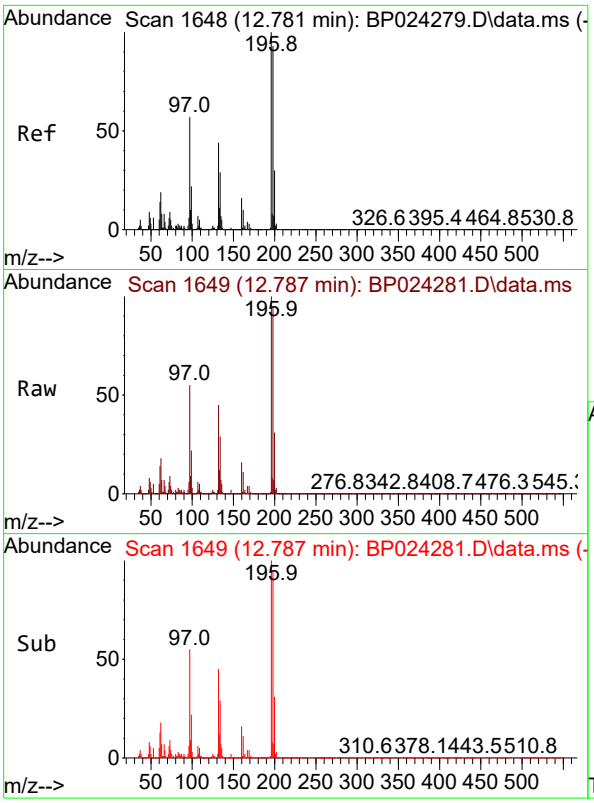


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:330 Resp: 1382037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.0	24.7	37.1



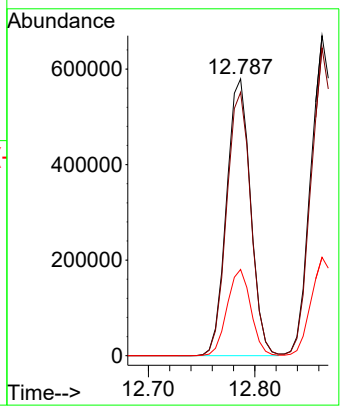


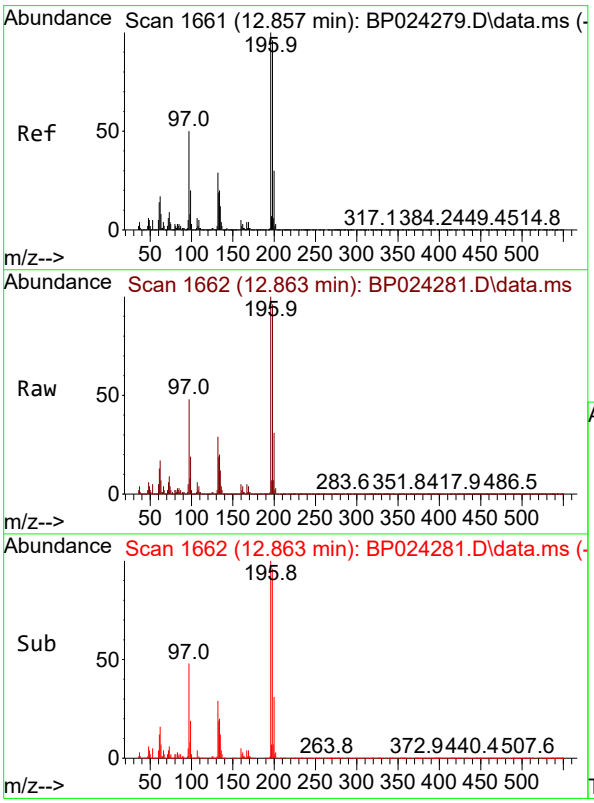
#43
2,4,6-Trichlorophenol
Concen: 64.732 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 909999

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.3	111.5
200	31.2	24.0	36.0

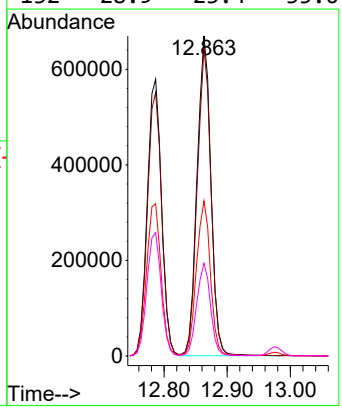


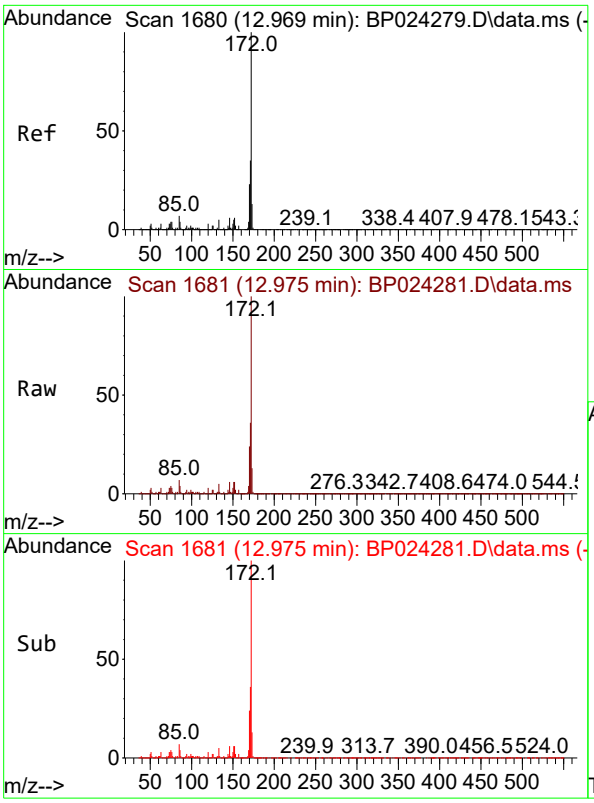


#44
2,4,5-Trichlorophenol
Concen: 65.306 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:196 Resp: 1017414

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



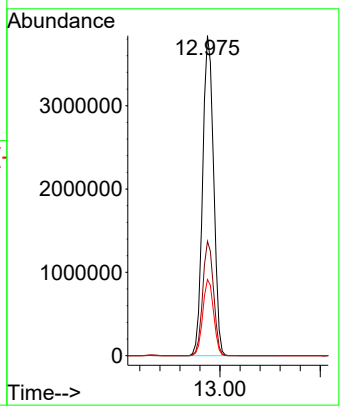


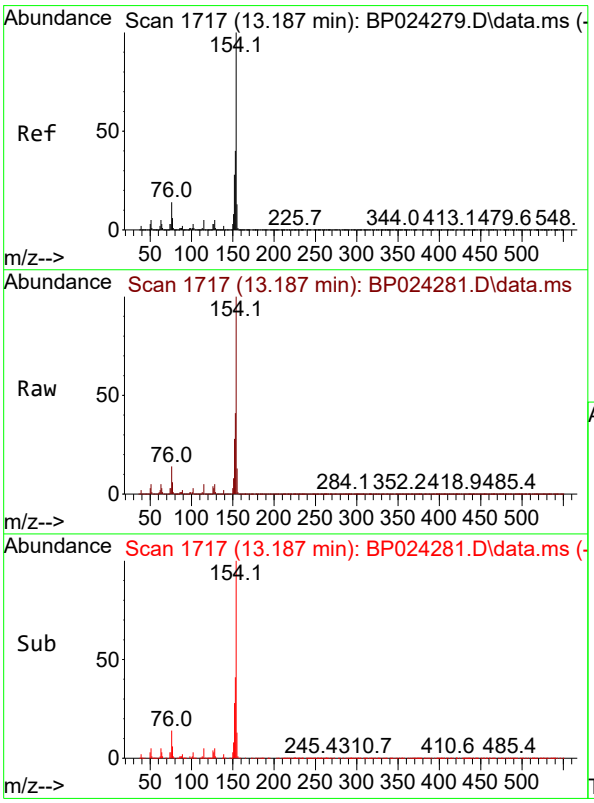
#45
2-Fluorobiphenyl
Concen: 113.964 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5835791

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.8	18.6	27.8

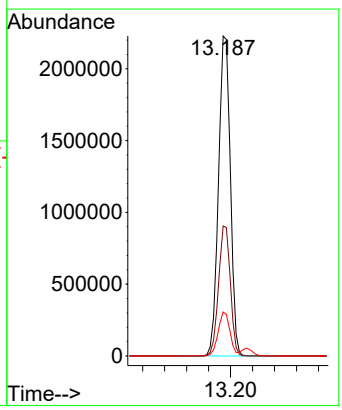


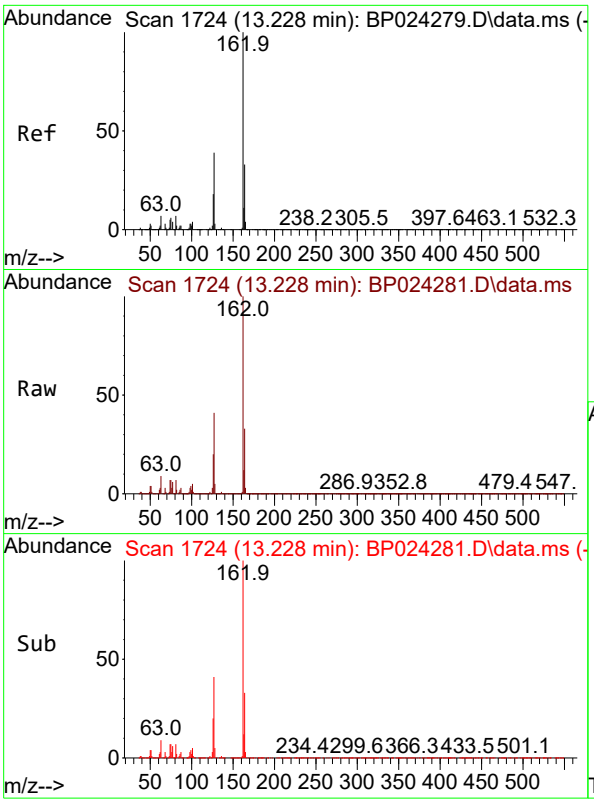


#46
1,1'-Biphenyl
Concen: 58.001 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 3330176

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.8	0.0	33.5



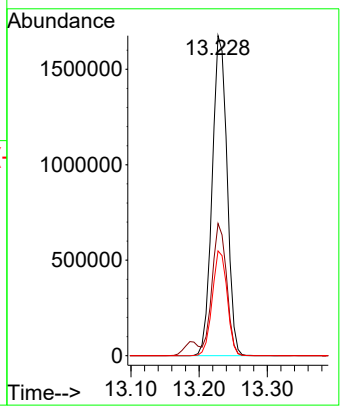


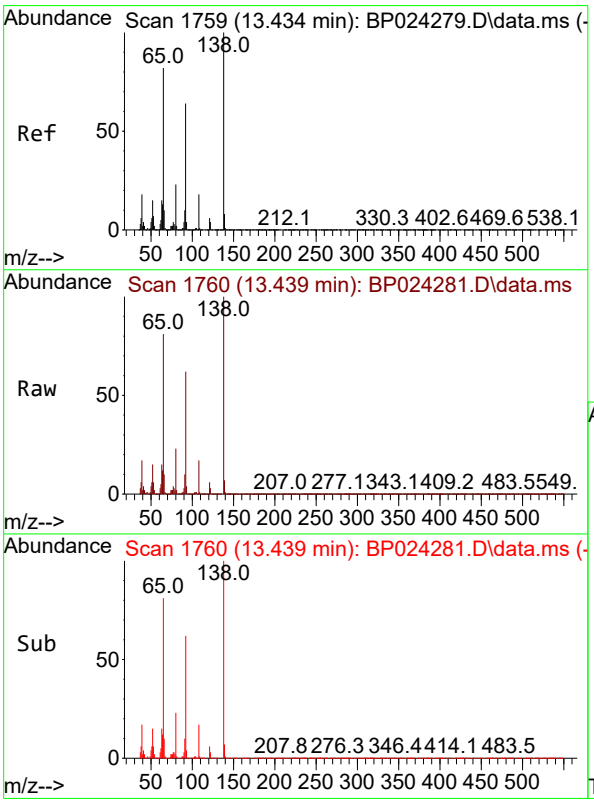
#47
2-Chloronaphthalene
Concen: 59.336 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2542212

Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.9	47.9
164	32.8	26.2	39.4

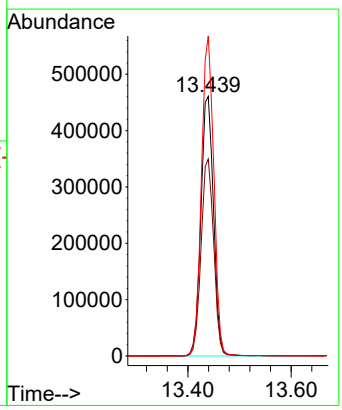


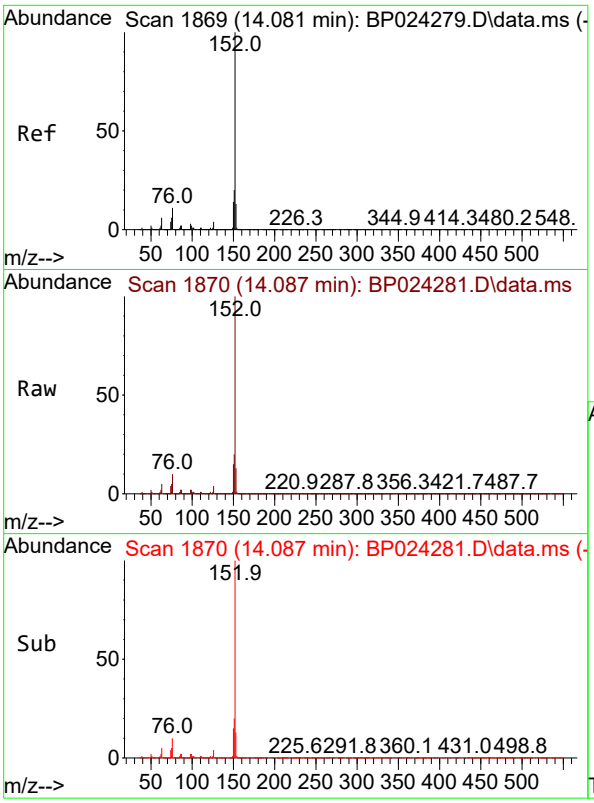


#48
2-Nitroaniline
Concen: 66.042 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 65 Resp: 781584

Ion	Ratio	Lower	Upper
65	100		
92	75.9	62.3	93.5
138	123.3	97.2	145.8



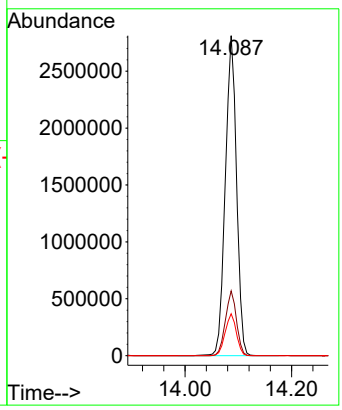


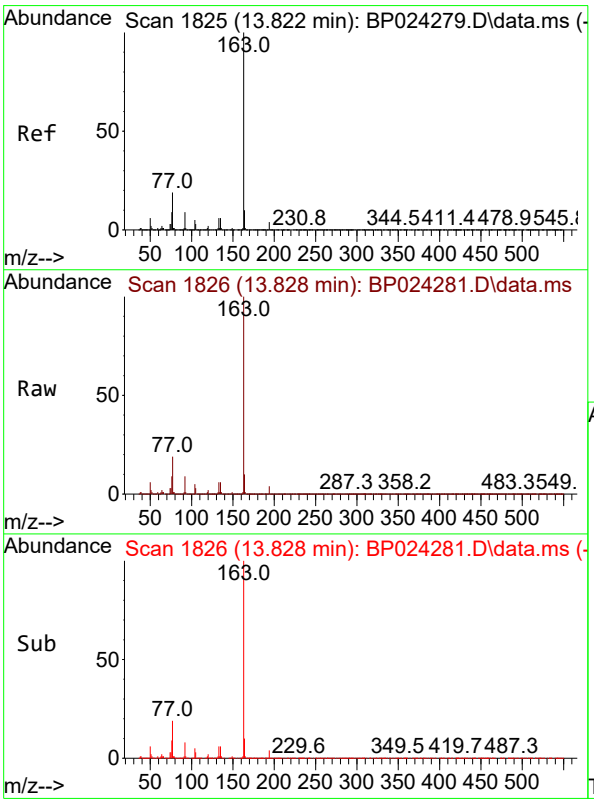
#49
Acenaphthylene
Concen: 61.143 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4111553

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

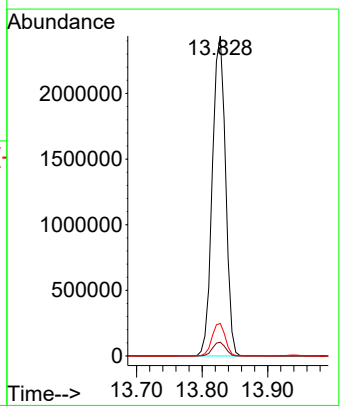


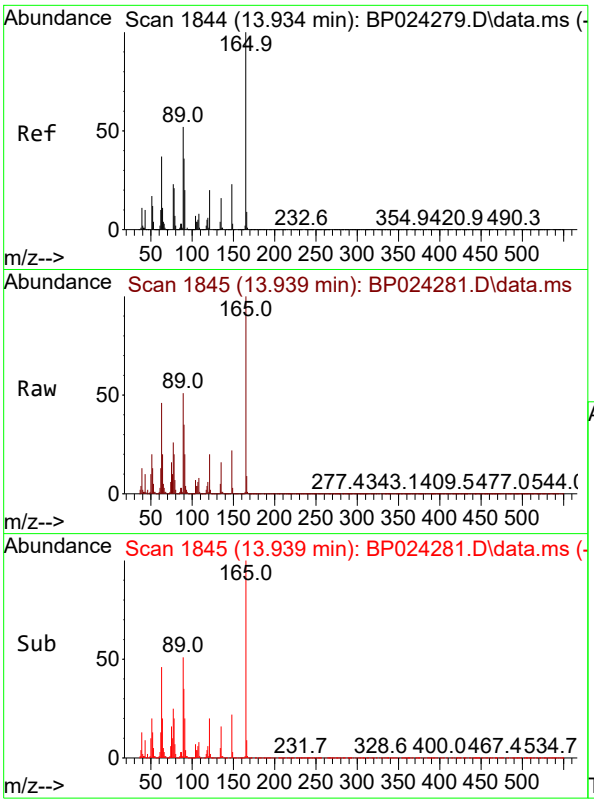


#50
Dimethylphthalate
Concen: 60.022 ng
RT: 13.828 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:163 Resp: 3404463

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



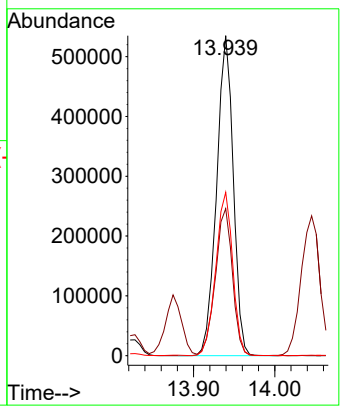


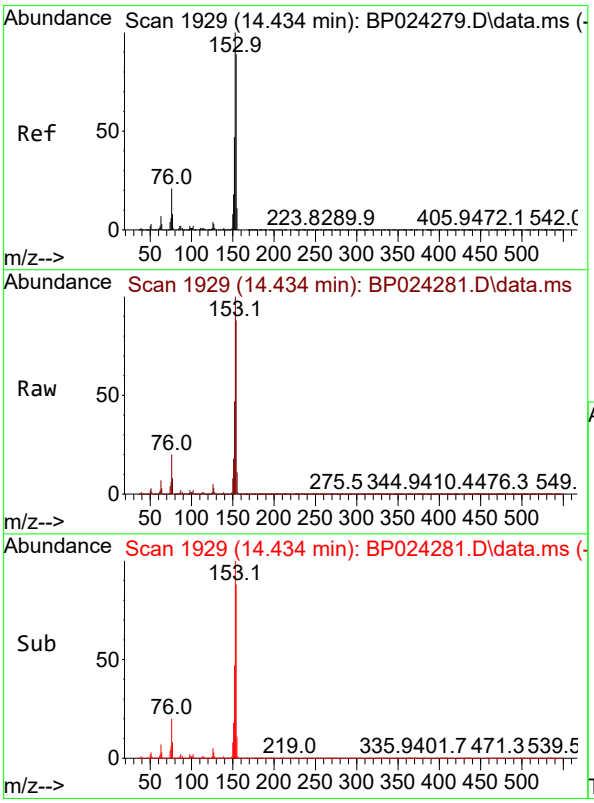
#51
2,6-Dinitrotoluene
Concen: 63.998 ng
RT: 13.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 764810

Ion	Ratio	Lower	Upper
165	100		
63	45.9	38.0	57.0
89	51.1	41.7	62.5

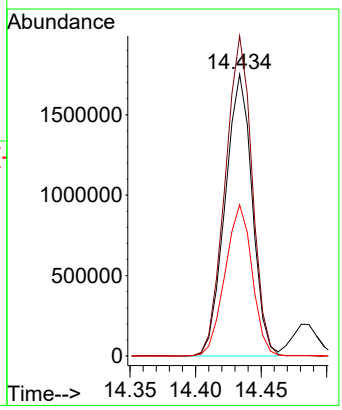


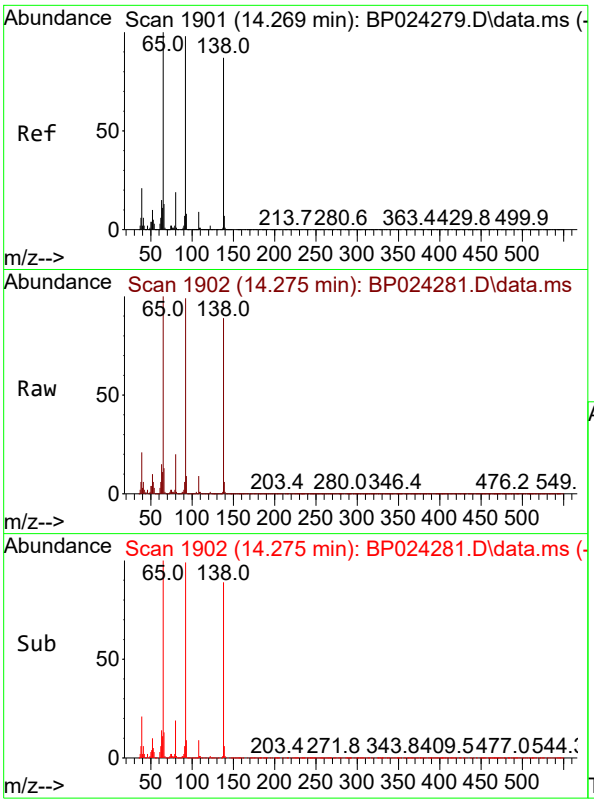


#52
Acenaphthene
Concen: 58.858 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 2516981

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.6
152	53.7	42.6	63.8



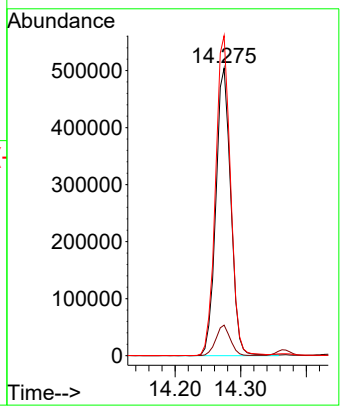


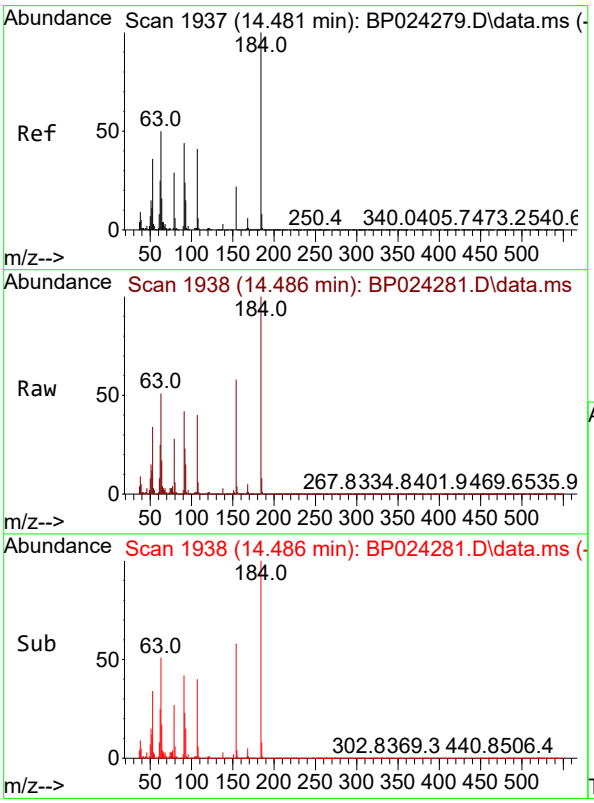
#53
3-Nitroaniline
Concen: 64.022 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 793796

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	111.3	89.8	134.8

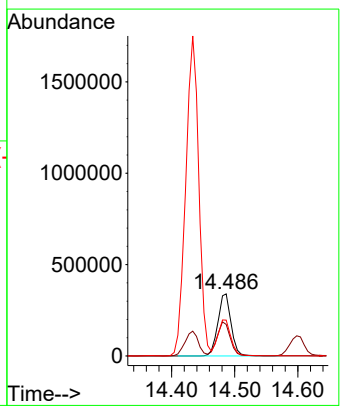


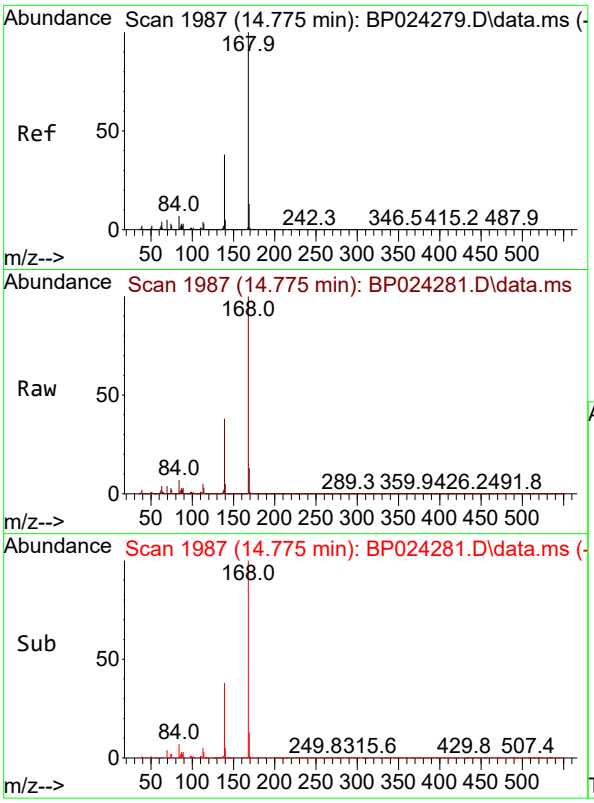


#54
2,4-Dinitrophenol
Concen: 76.655 ng
RT: 14.486 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 490497

Ion	Ratio	Lower	Upper
184	100		
63	50.8	42.6	64.0
154	57.7	47.2	70.8



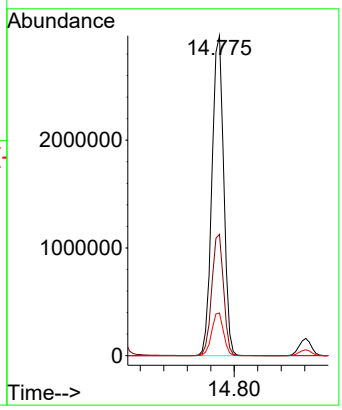


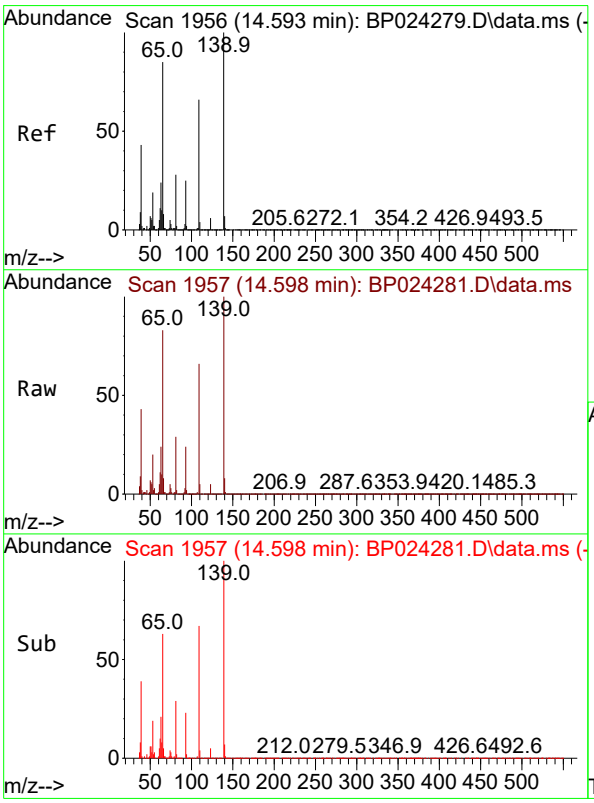
#55
Dibenzofuran
Concen: 58.810 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4124640

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

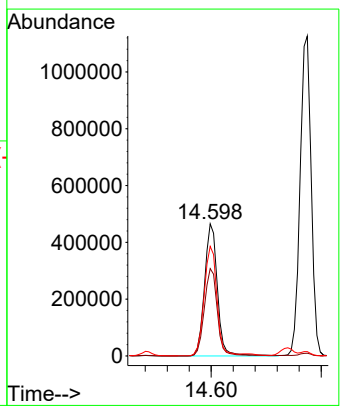


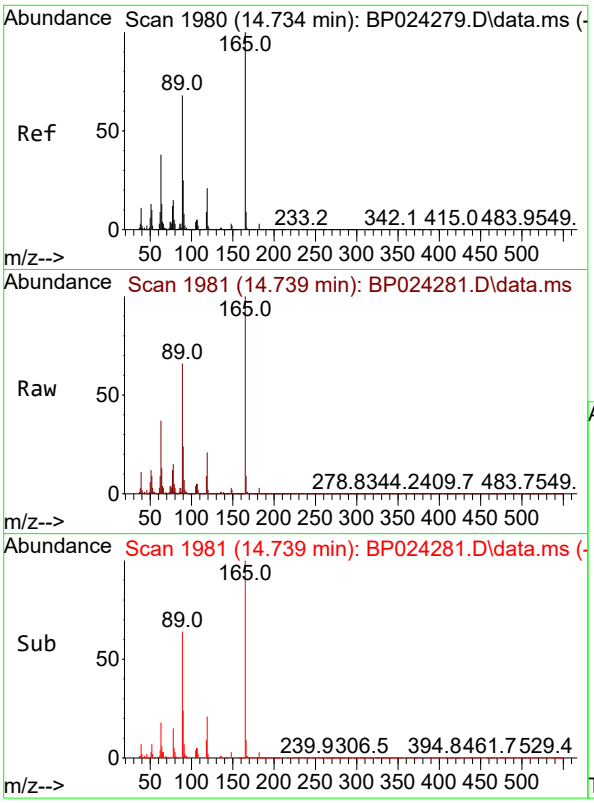


#56
4-Nitrophenol
Concen: 70.748 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 754038

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	82.9	65.0	105.0



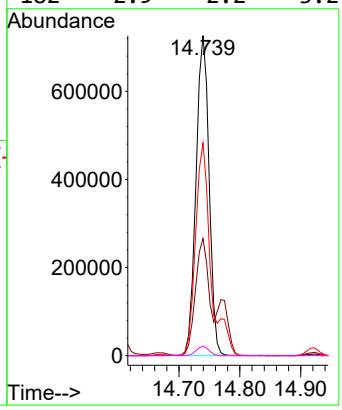


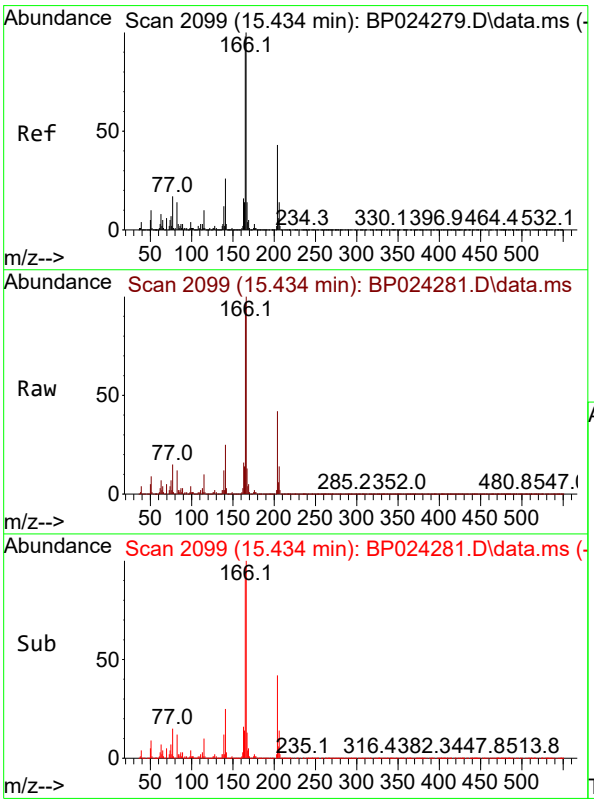
#57
2,4-Dinitrotoluene
Concen: 66.836 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1079633

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

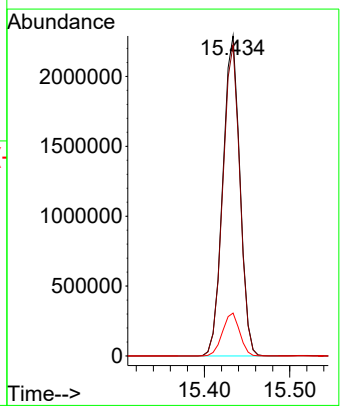


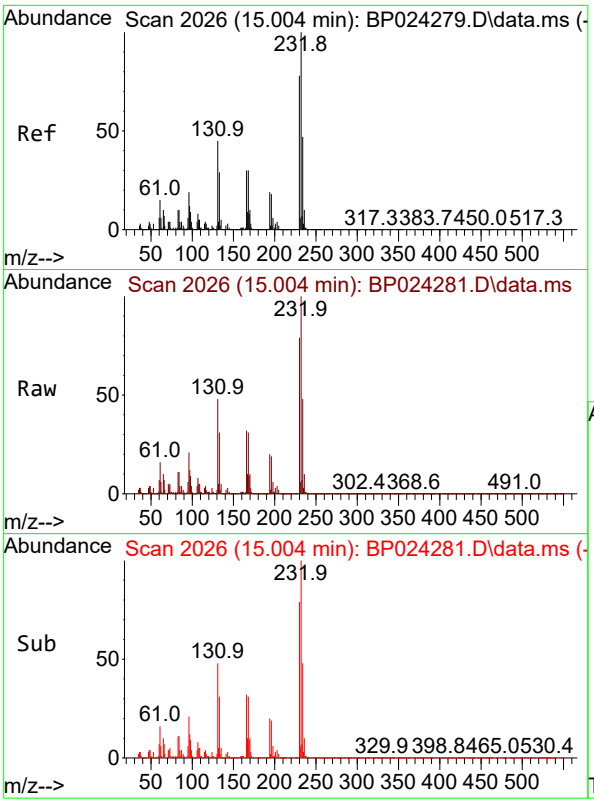


#58
Fluorene
Concen: 58.817 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:166 Resp: 3184960

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



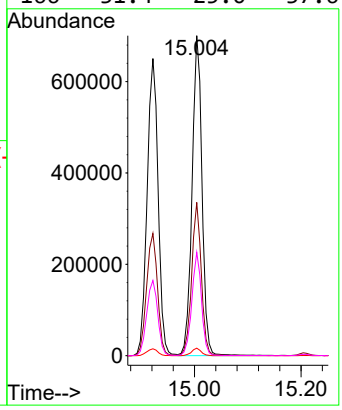


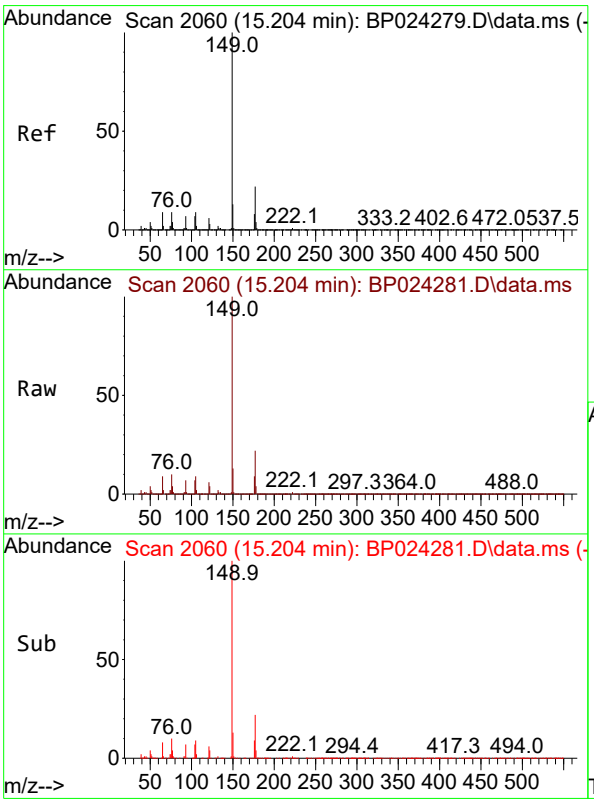
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.097 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 909497

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.3	1.9	2.9
166	31.4	25.0	37.6

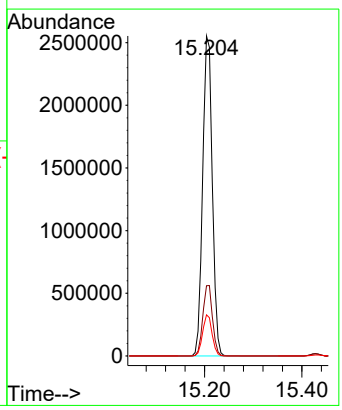


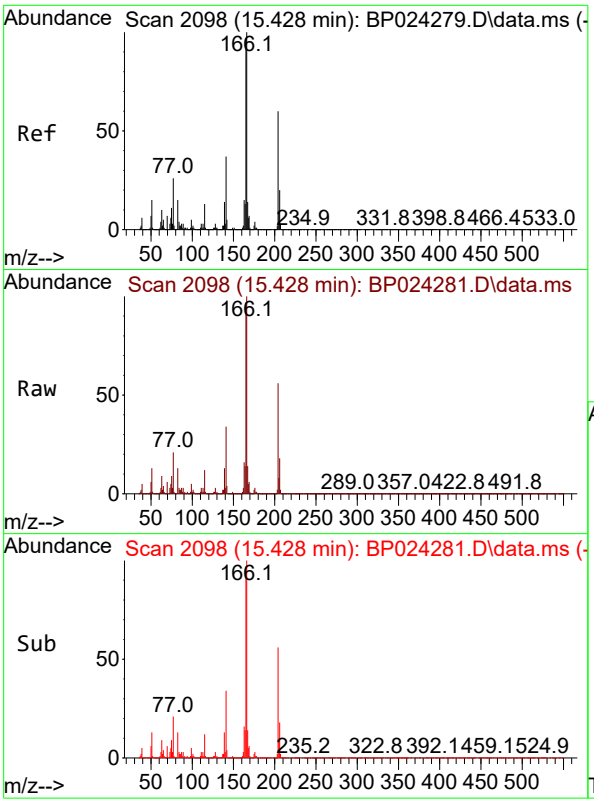


#60
Diethylphthalate
Concen: 59.879 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 3495577

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.9	10.1	15.1



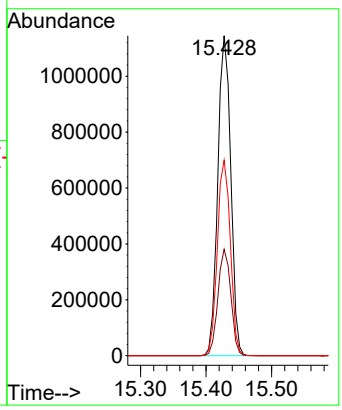


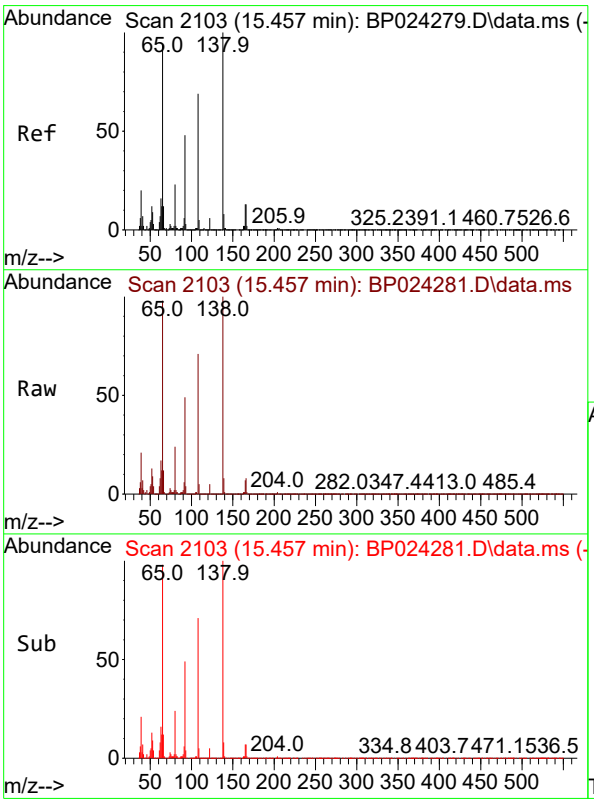
#61
4-Chlorophenyl-phenylether
Concen: 59.442 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1563042

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.1	49.4	74.0

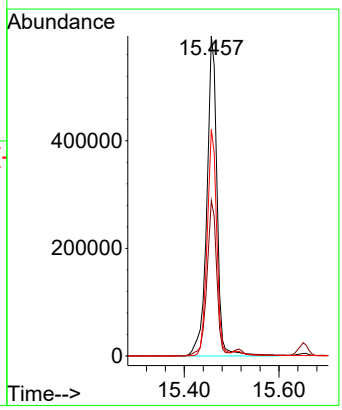


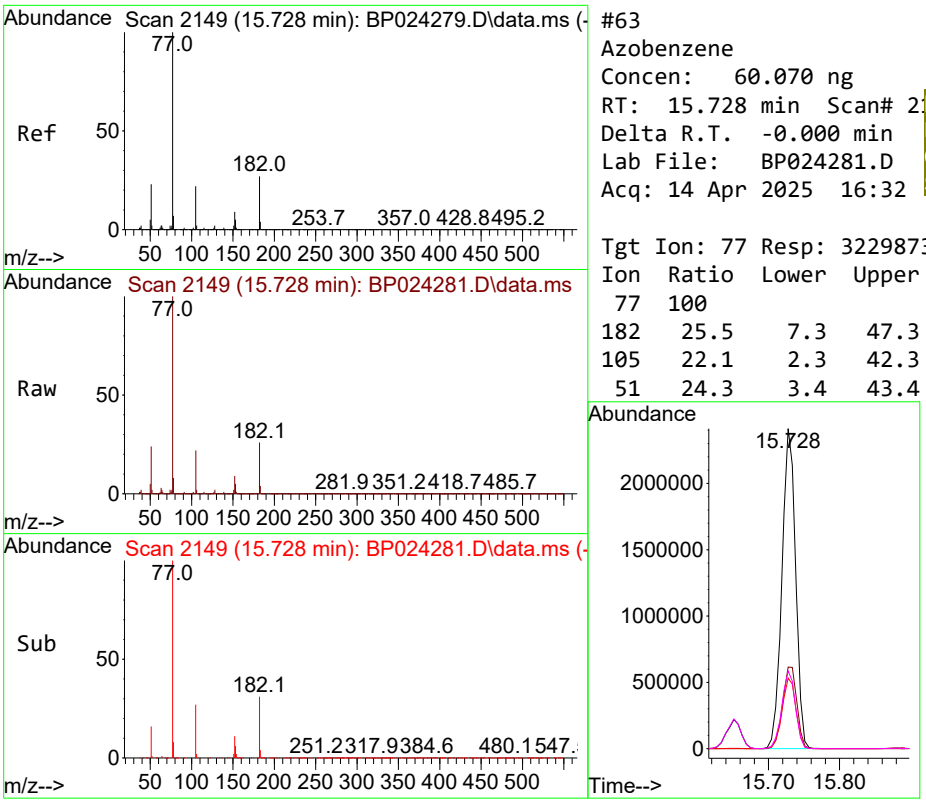


#62
4-Nitroaniline
Concen: 67.414 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:138 Resp: 886163

Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.8	67.8
108	70.7	48.9	88.9



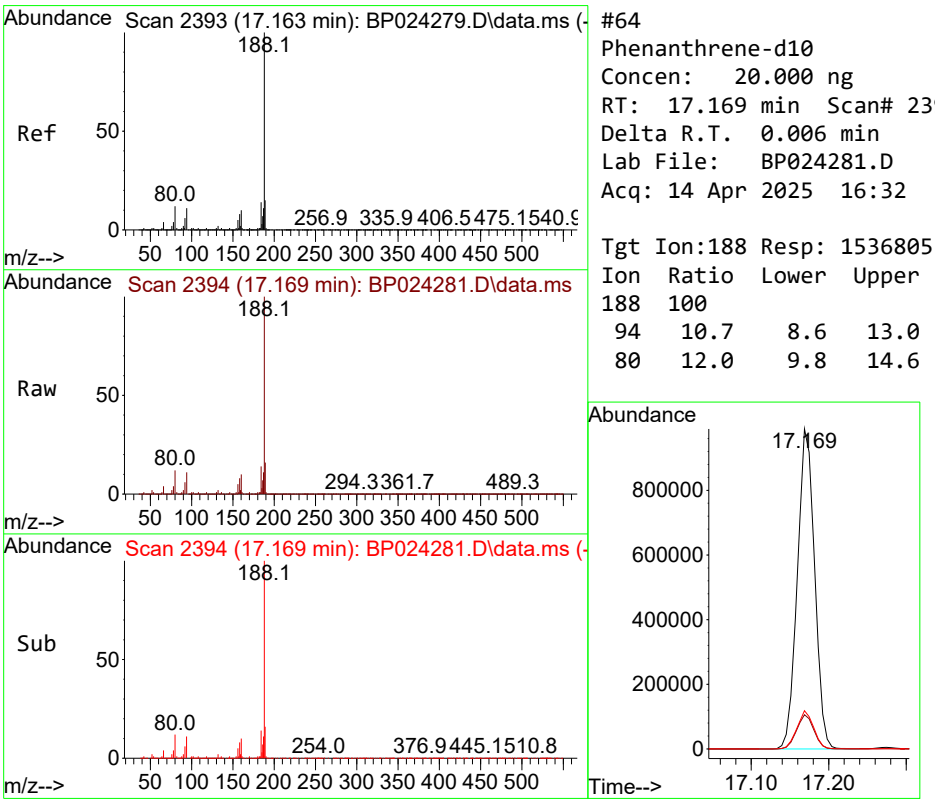


#63
Azobenzene
Concen: 60.070 ng
RT: 15.728 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3229873

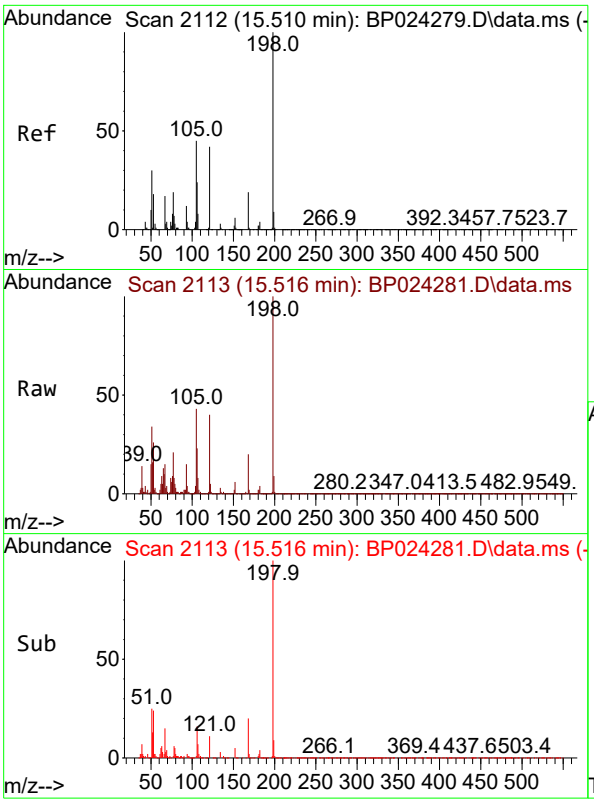
Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.3	47.3
105	22.1	2.3	42.3
51	24.3	3.4	43.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:188 Resp: 1536805

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	12.0	9.8	14.6

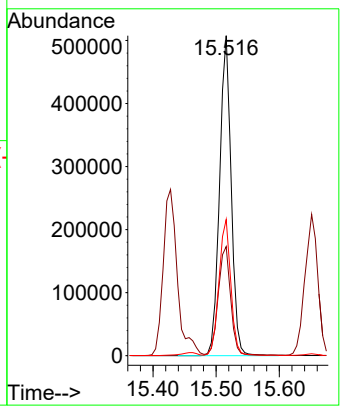


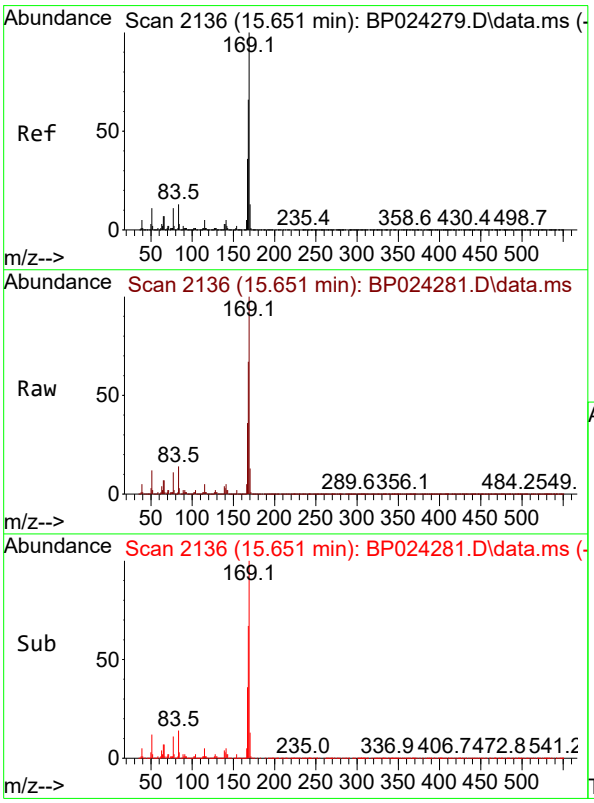
#65
4,6-Dinitro-2-methylphenol
Concen: 72.083 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 647253

Ion	Ratio	Lower	Upper
198	100		
51	34.1	18.4	58.4
105	42.6	26.5	66.5

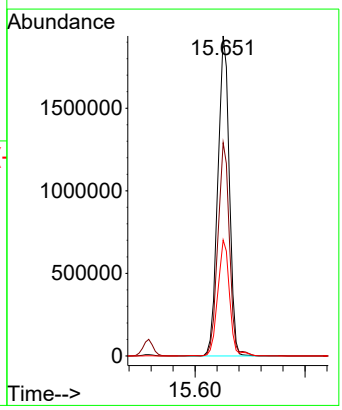


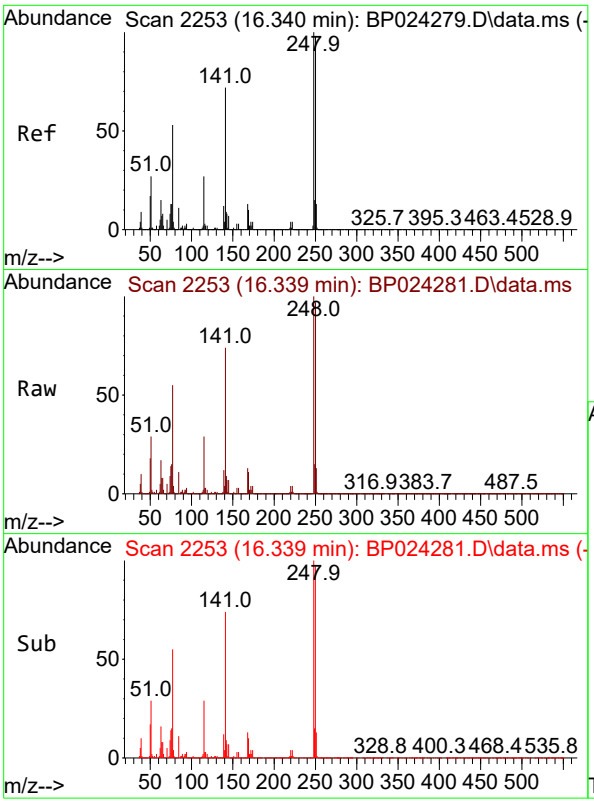


#66
n-Nitrosodiphenylamine
Concen: 60.874 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:169 Resp: 2805137

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.9	43.3



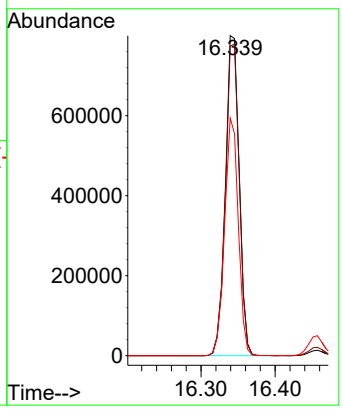


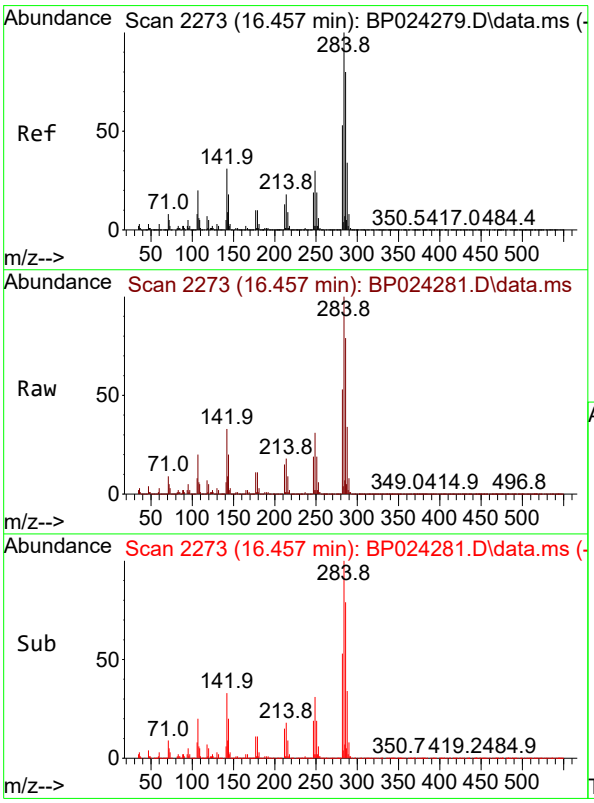
#67
4-Bromophenyl-phenylether
Concen: 61.926 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1038071

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.4
141	74.2	57.7	86.5

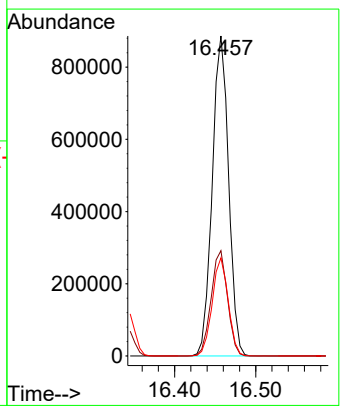


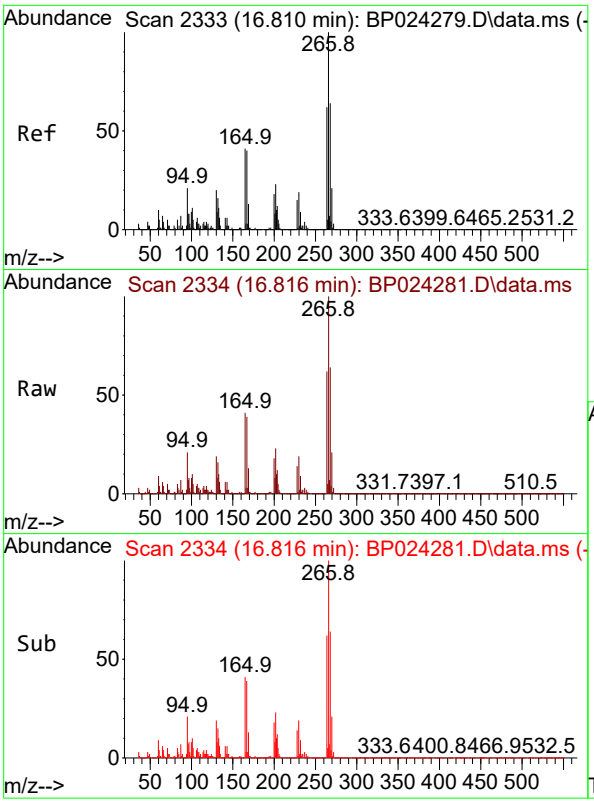


#68
Hexachlorobenzene
Concen: 62.200 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:284 Resp: 1239550

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.6	37.0
249	30.7	23.8	35.6



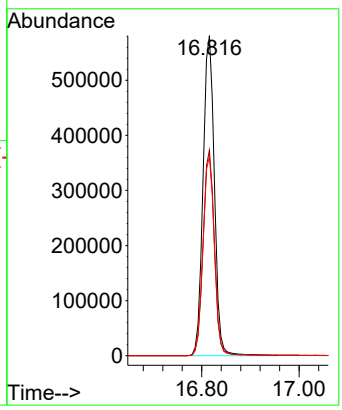


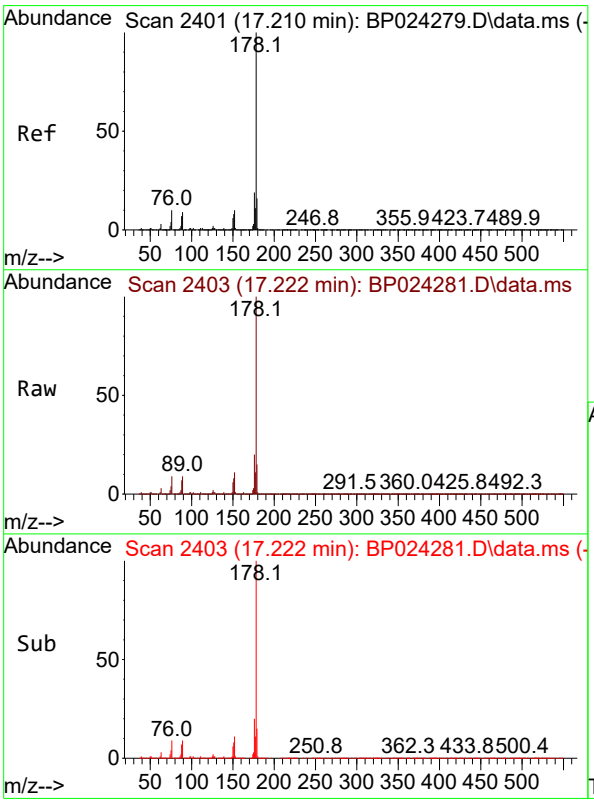
#70
Pentachlorophenol
Concen: 68.445 ng
RT: 16.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 936562

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.3	49.8	74.6

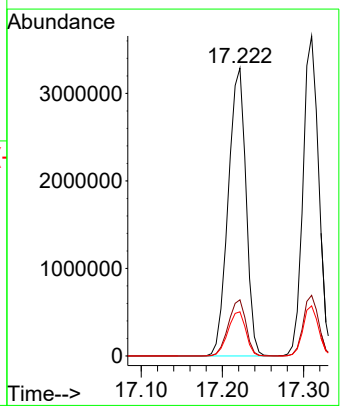


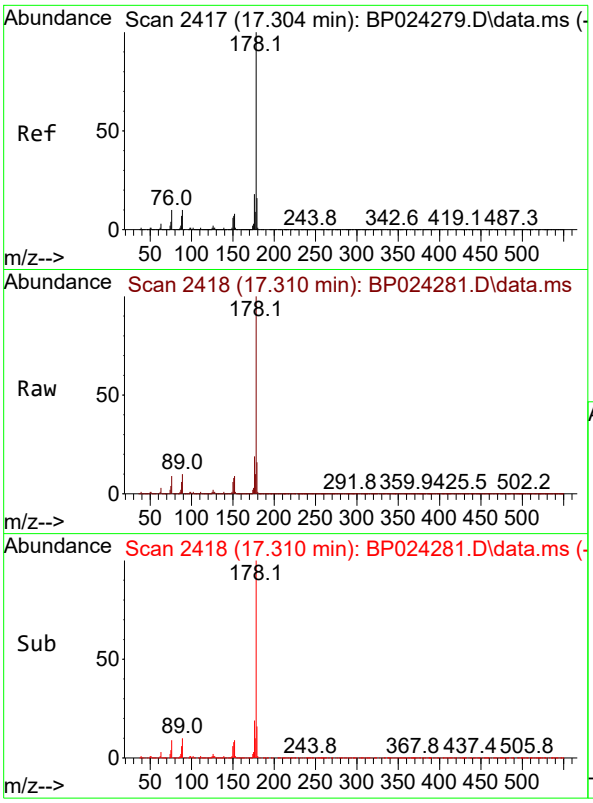


#71
Phenanthrene
Concen: 59.209 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:178 Resp: 4988840

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7



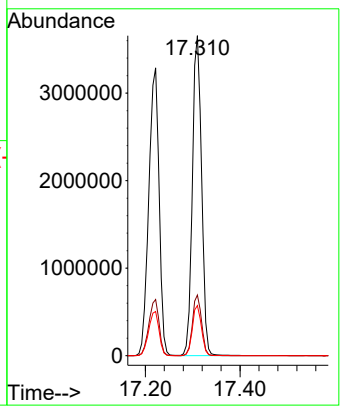


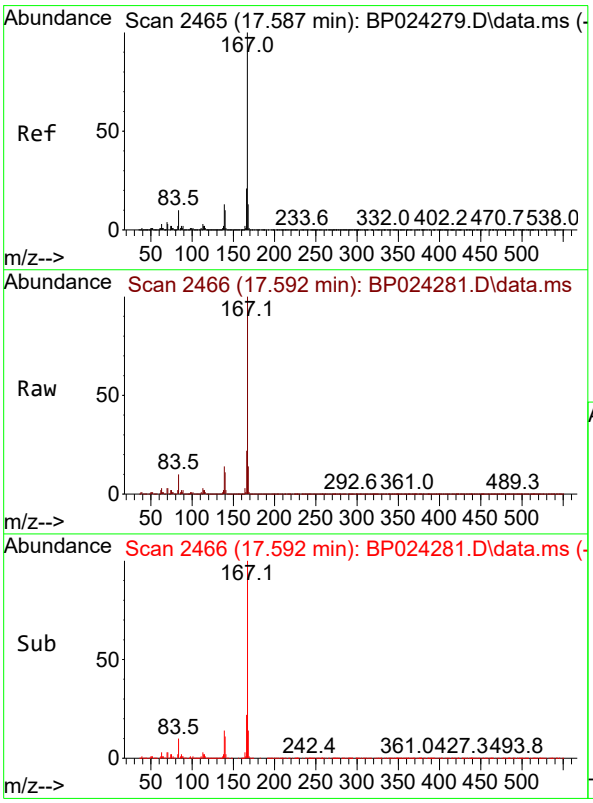
#72
Anthracene
Concen: 60.907 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4938117

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

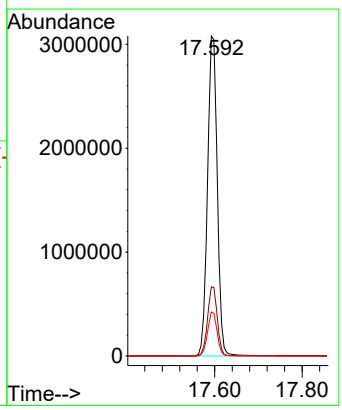


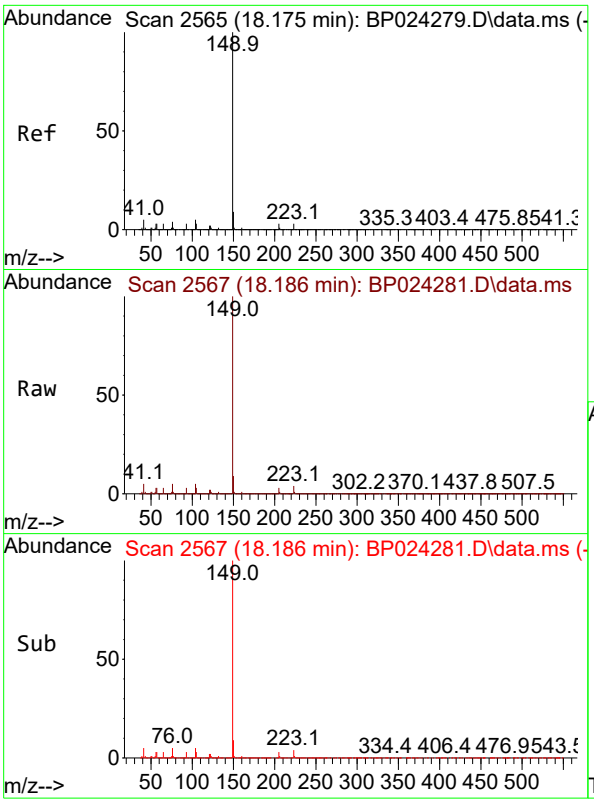


#73
Carbazole
Concen: 60.584 ng
RT: 17.592 min Scan# 2466
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:167 Resp: 4780408

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.7	10.6	16.0



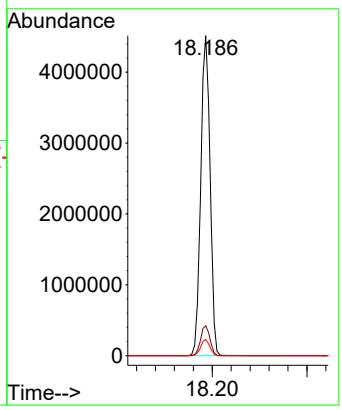


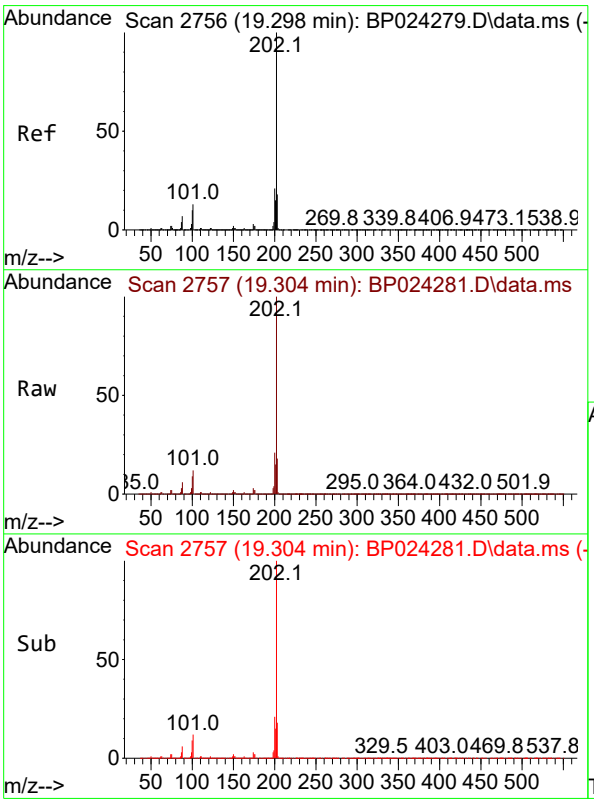
#74
Di-n-butylphthalate
Concen: 62.730 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6167206

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

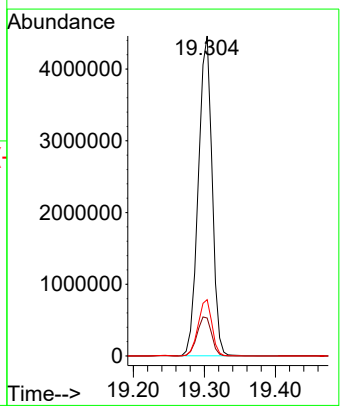


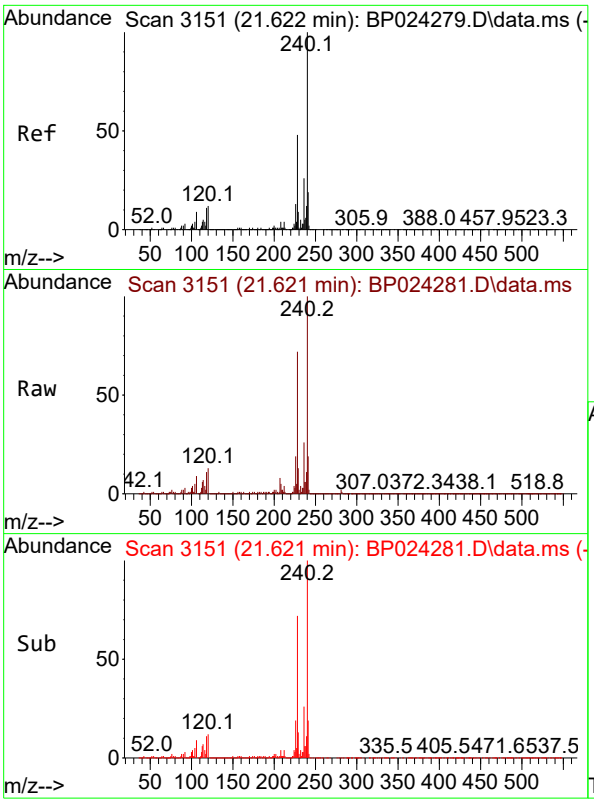


#75
Fluoranthene
Concen: 60.092 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:202 Resp: 6009748

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.6	0.0	37.7



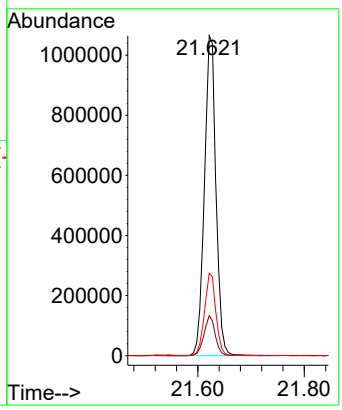


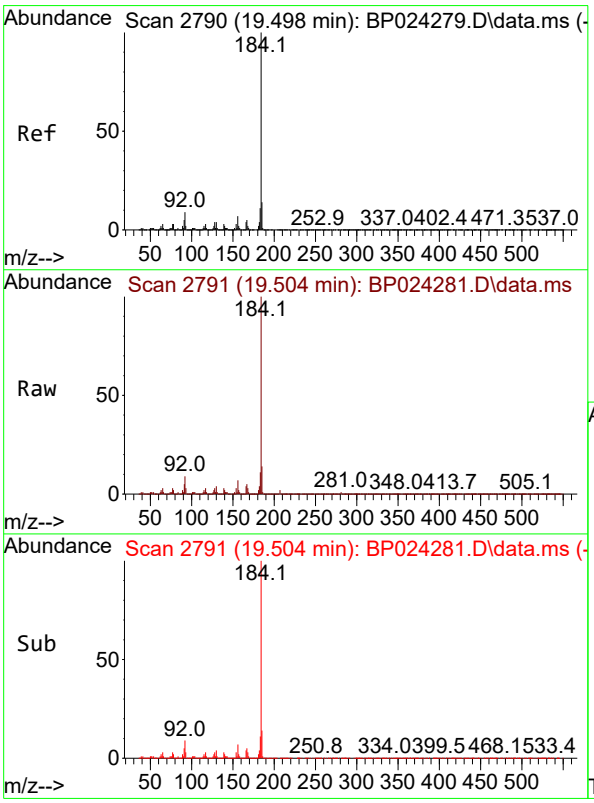
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1596148

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.8	20.9	31.3

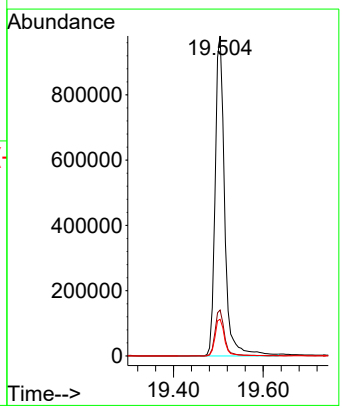


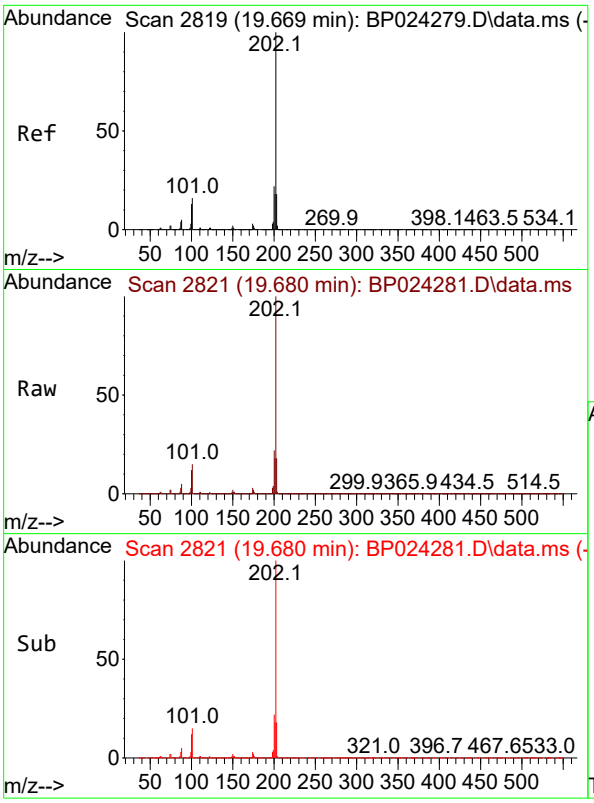


#77
Benzidine
Concen: 73.401 ng
RT: 19.504 min Scan# 2791
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 1446166

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.5	9.2	13.8



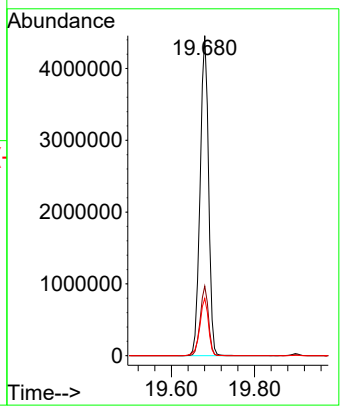


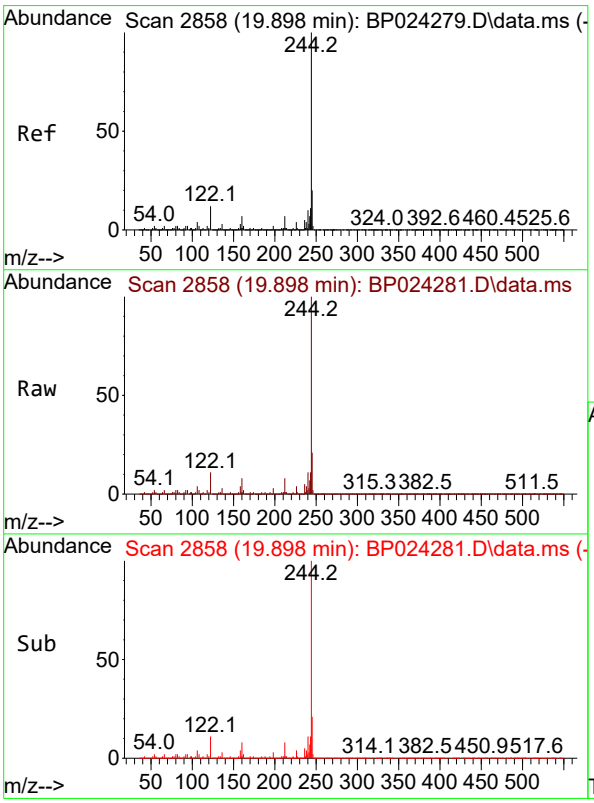
#78
Pyrene
Concen: 61.204 ng
RT: 19.680 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6250781

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.9	14.4	21.6

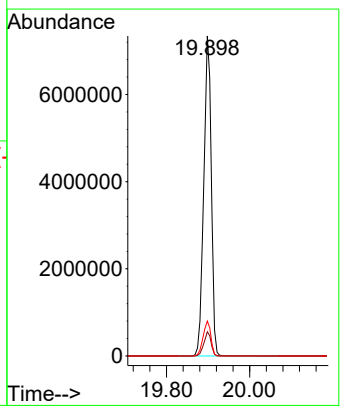


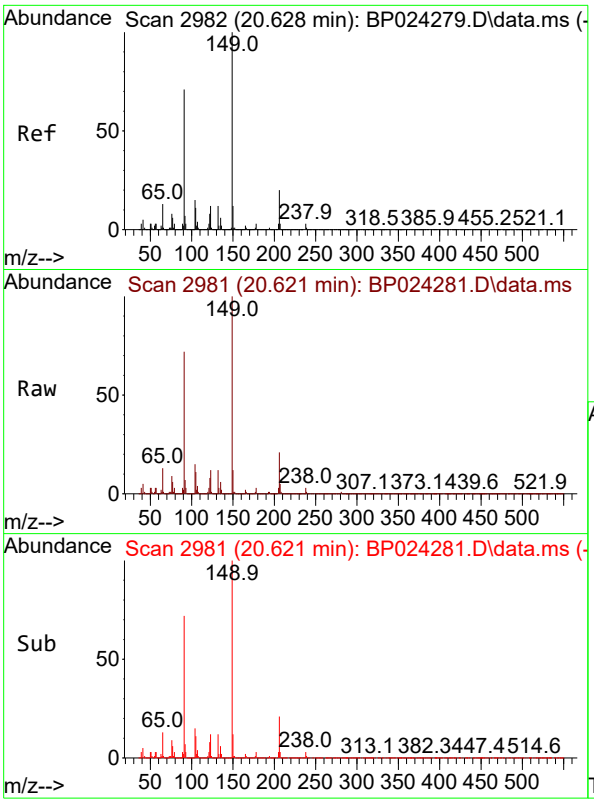


#79
Terphenyl-d14
Concen: 115.262 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:244 Resp: 9228969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	10.9	9.4	14.0



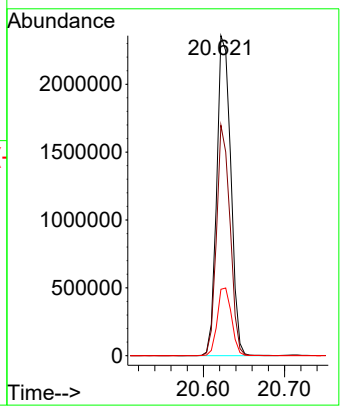


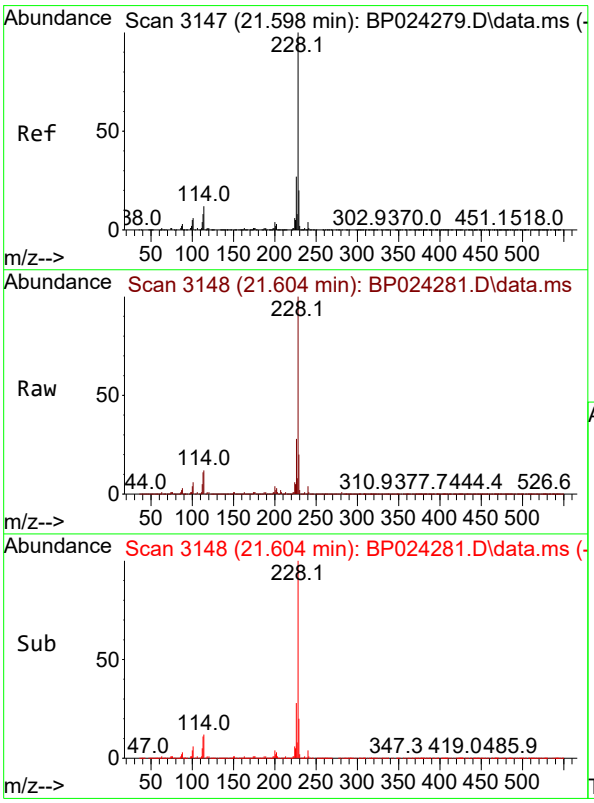
#80
Butylbenzylphthalate
Concen: 65.961 ng
RT: 20.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2840001

Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.4	84.6
206	20.7	16.3	24.5

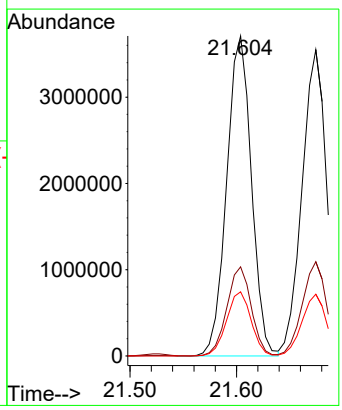


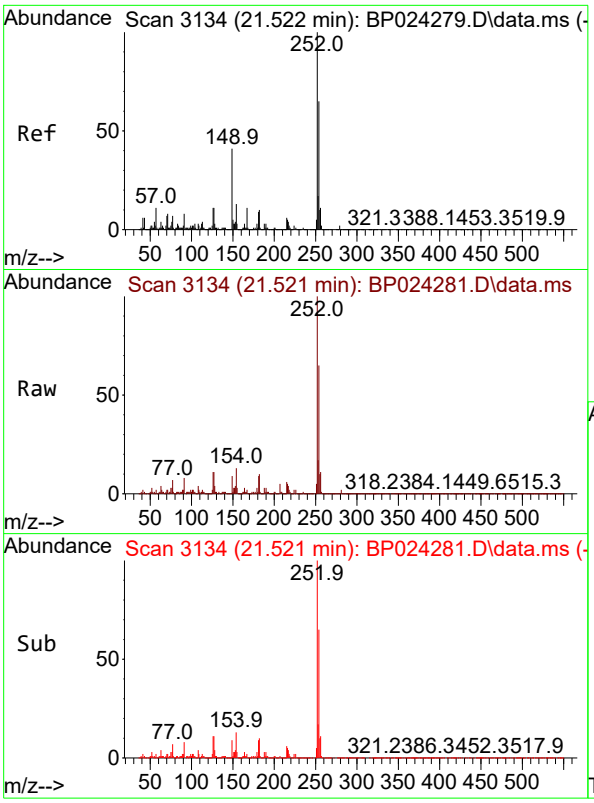


#81
Benzo(a)anthracene
Concen: 60.318 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 6002059

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.1	15.9	23.9



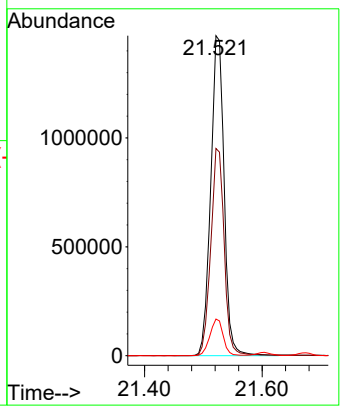


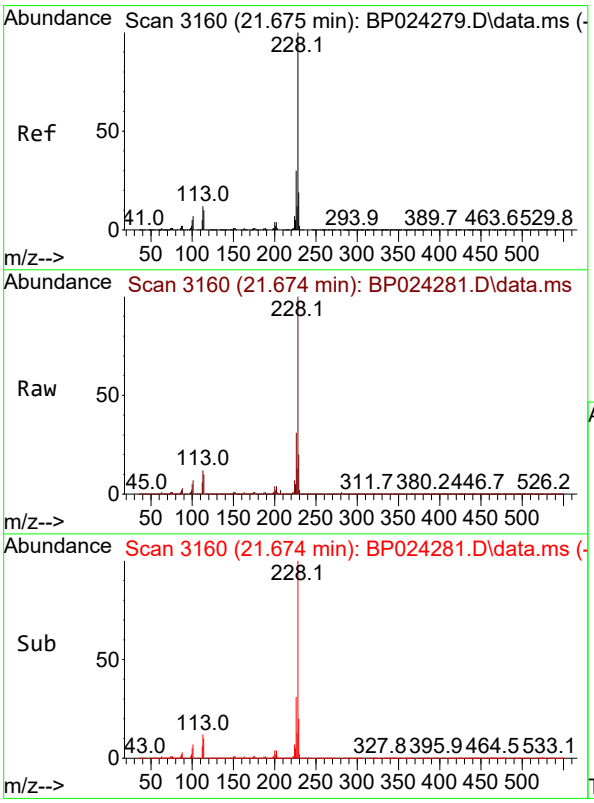
#82
3,3'-Dichlorobenzidine
Concen: 67.333 ng
RT: 21.521 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2323294

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.5	8.8	13.2

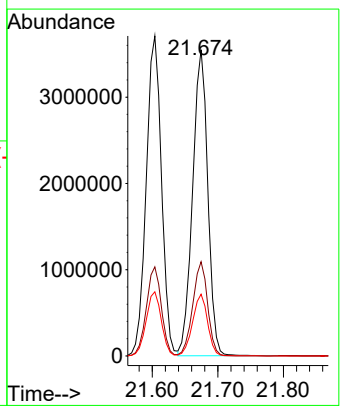


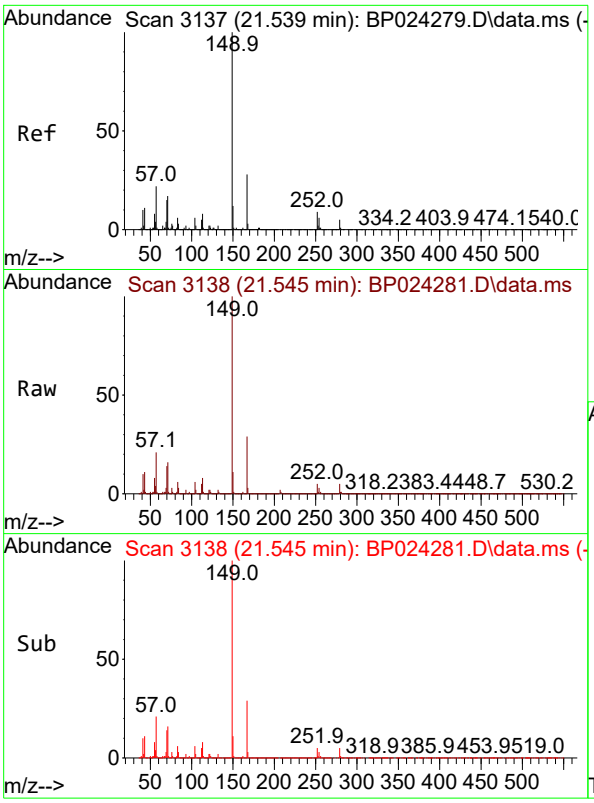


#83
Chrysene
Concen: 59.924 ng
RT: 21.674 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 5714775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.2	15.6	23.4



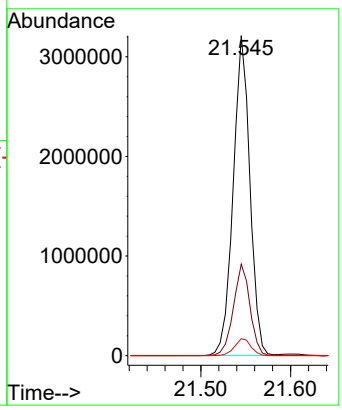


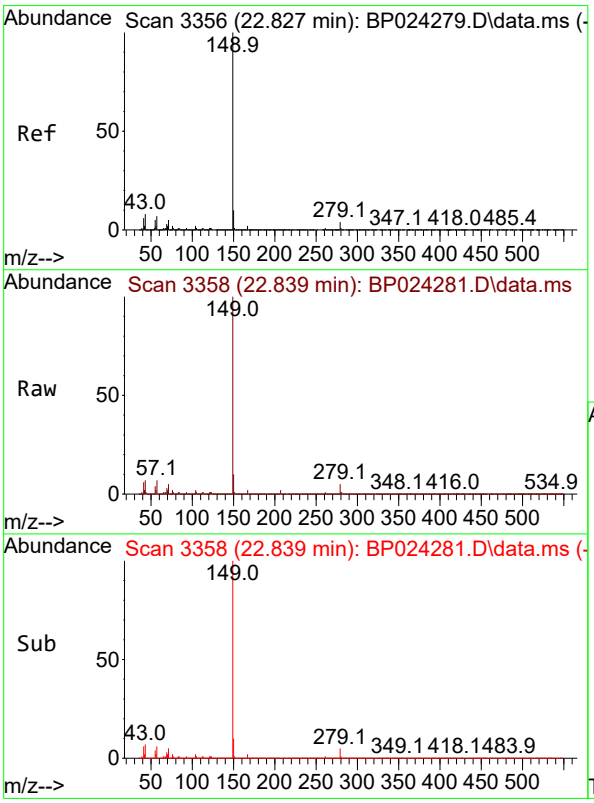
#84
Bis(2-ethylhexyl)phthalate
Concen: 65.497 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4153128

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.4	33.6
279	5.3	4.0	6.0

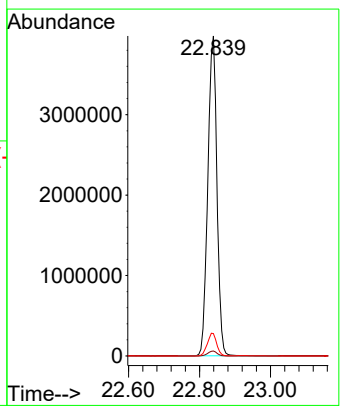


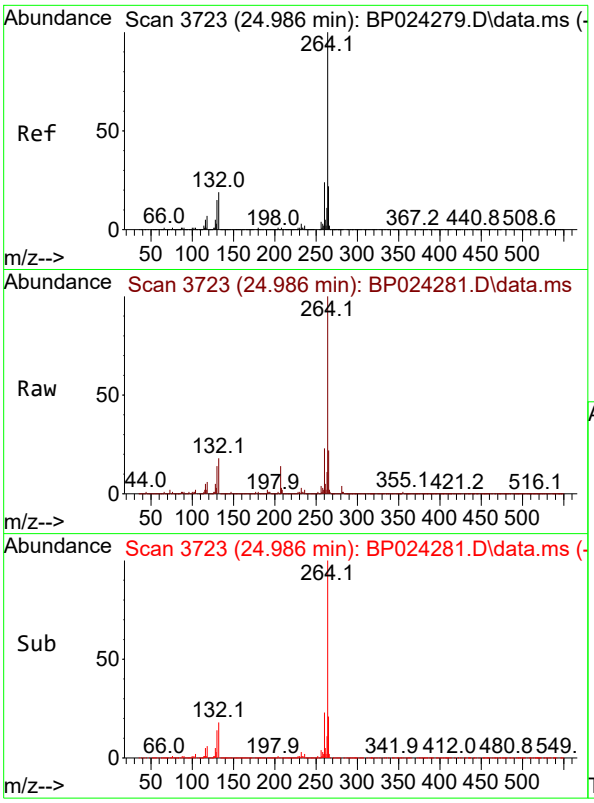


#85
Di-n-octyl phthalate
Concen: 70.060 ng
RT: 22.839 min Scan# 3358
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 7116217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0



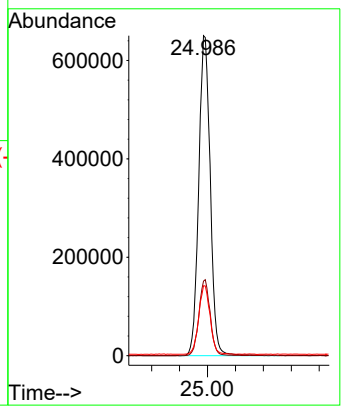


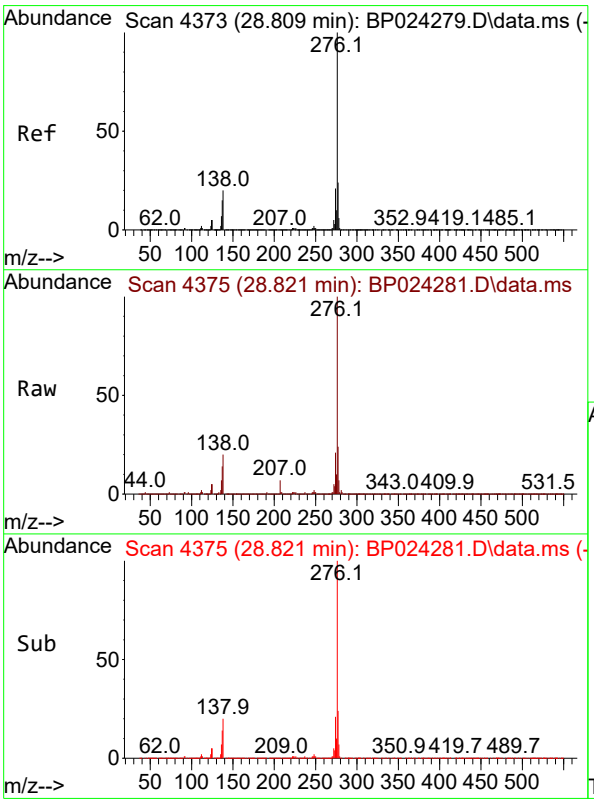
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1858365

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6

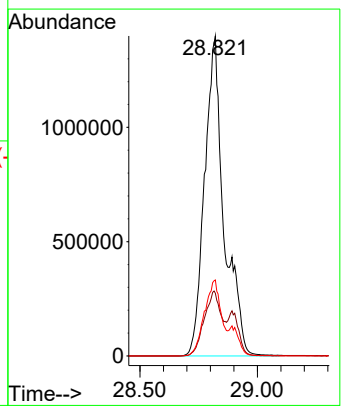


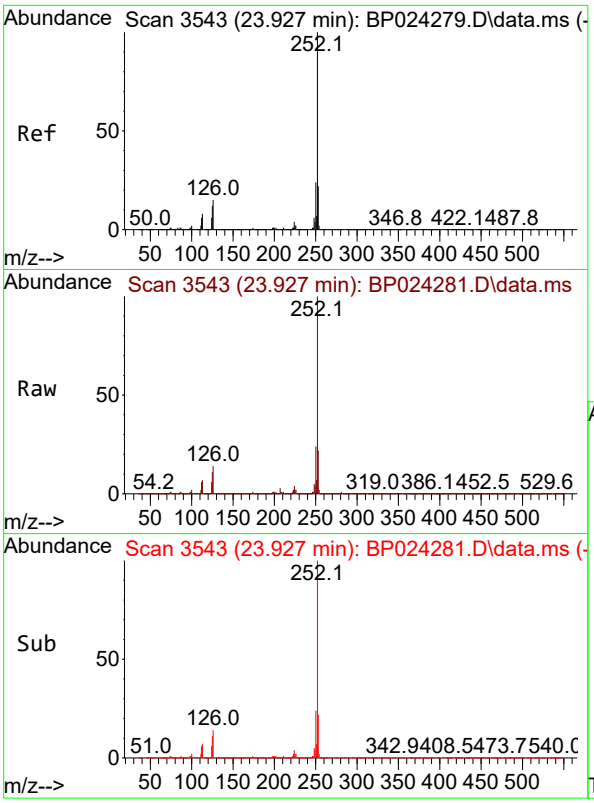


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.043 ng m
RT: 28.821 min Scan# 4375
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:276 Resp: 8057576

Ion	Ratio	Lower	Upper
276	100		
138	18.2	14.5	21.7
277	20.7	20.2	30.2



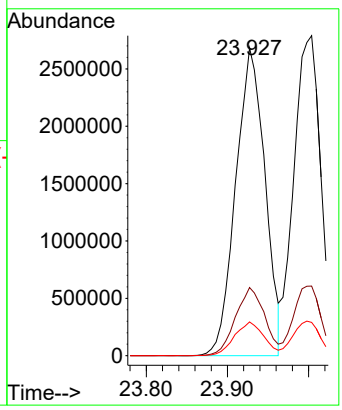


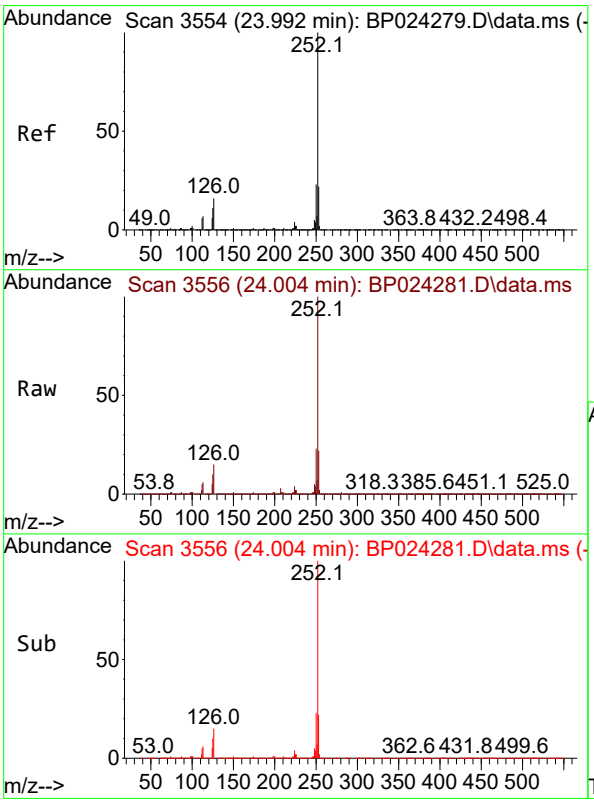
#88
Benzo(b)fluoranthene
Concen: 60.400 ng
RT: 23.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6715444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	9.4	14.0

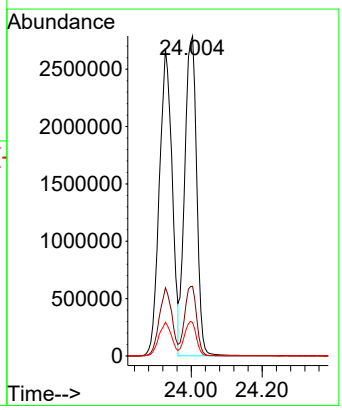


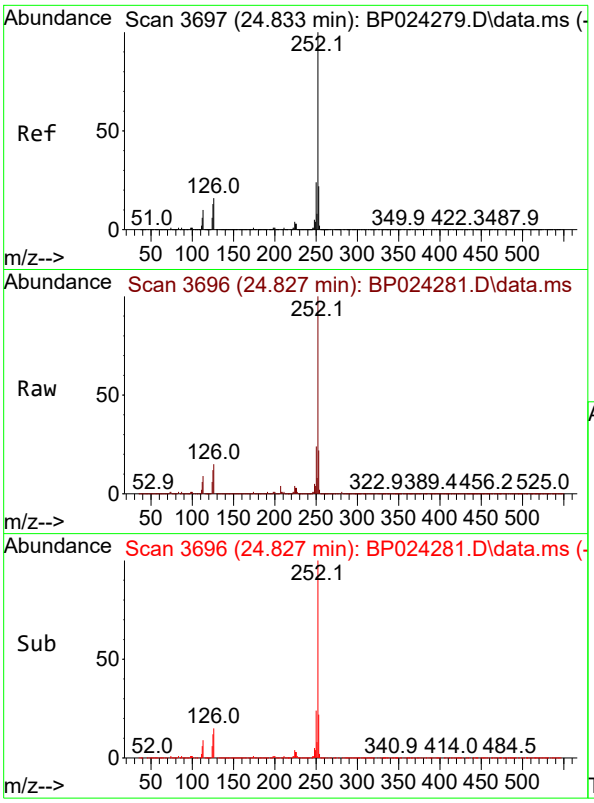


#89
Benzo(k)fluoranthene
Concen: 60.244 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 6500782

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	9.1	13.7



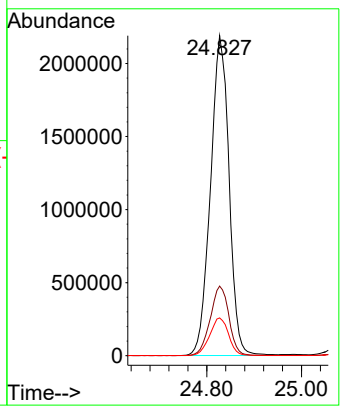


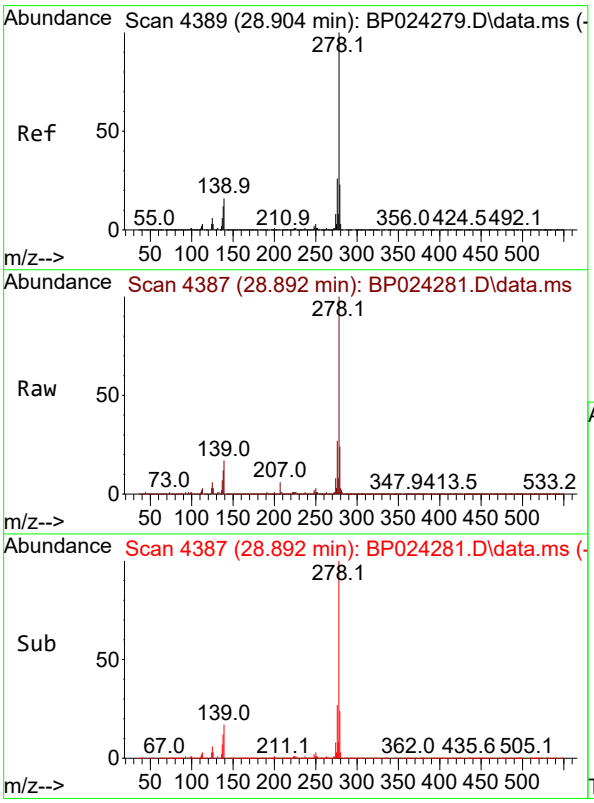
#90
Benzo(a)pyrene
Concen: 62.316 ng
RT: 24.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5964163

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

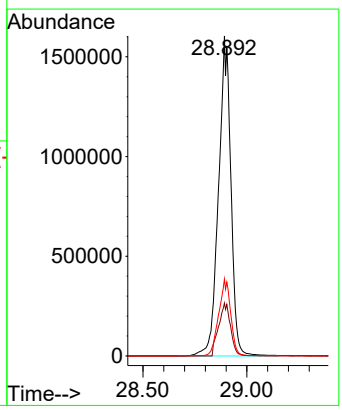


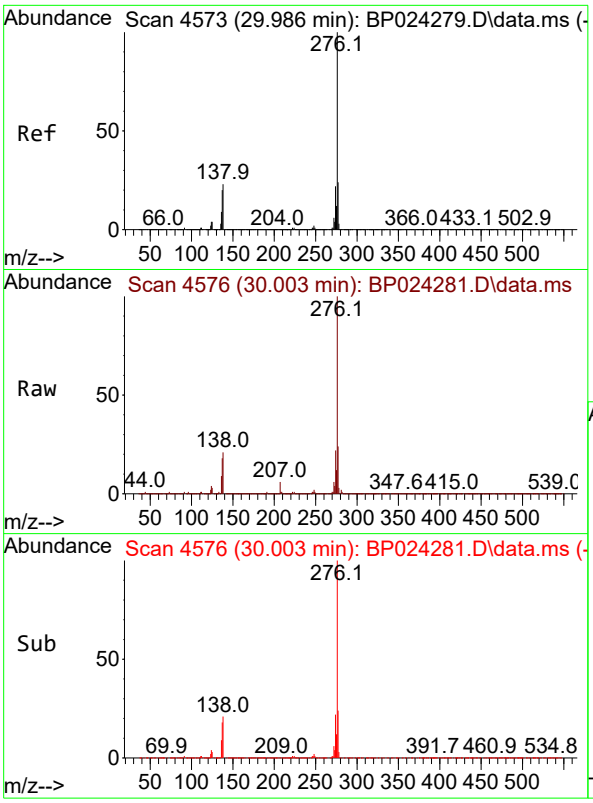


#91
Dibenzo(a,h)anthracene
Concen: 62.214 ng
RT: 28.892 min Scan# 4387
Delta R.T. -0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:278 Resp: 6614173

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	24.1	18.5	27.7



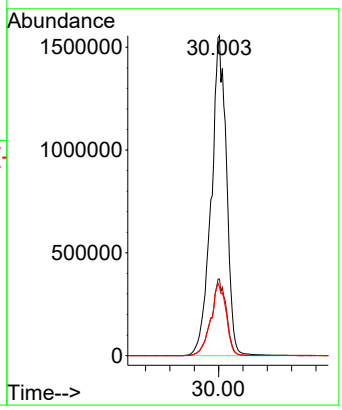


#92
Benzo(g,h,i)perylene
Concen: 62.294 ng
RT: 30.003 min Scan# 4
Delta R.T. 0.017 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6740929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	21.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1349044m	81.864	ng		
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1154243m	98.425	ng		
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

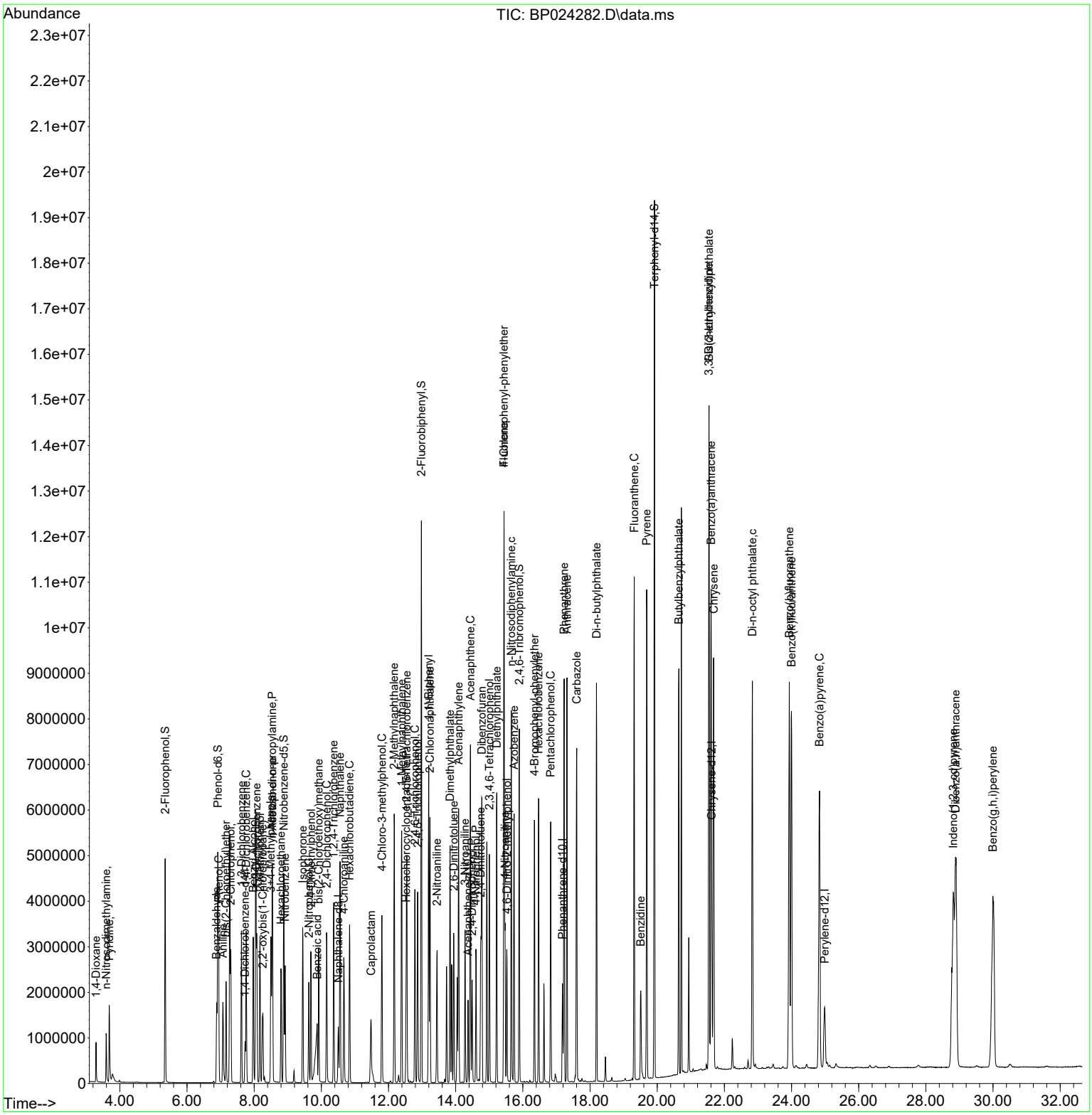
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

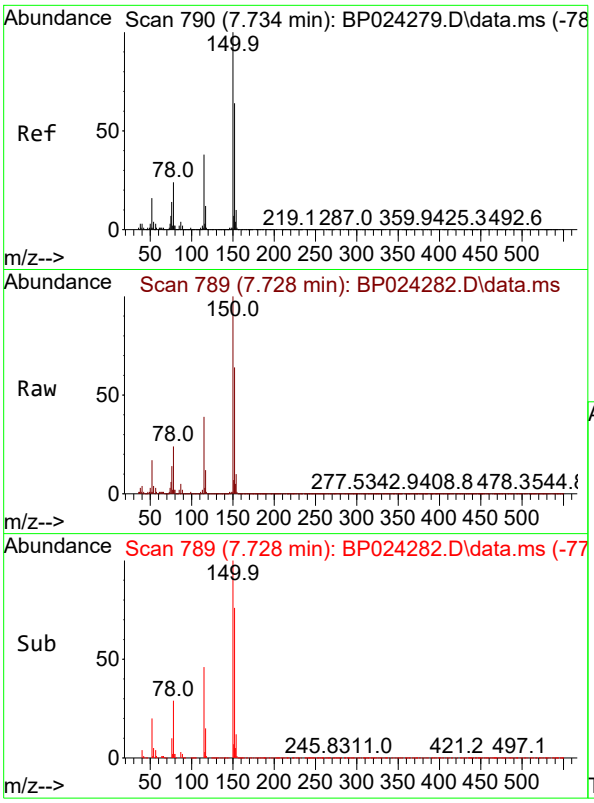
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



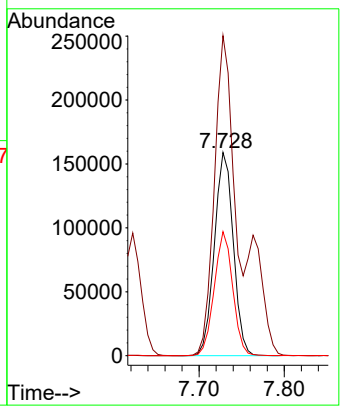


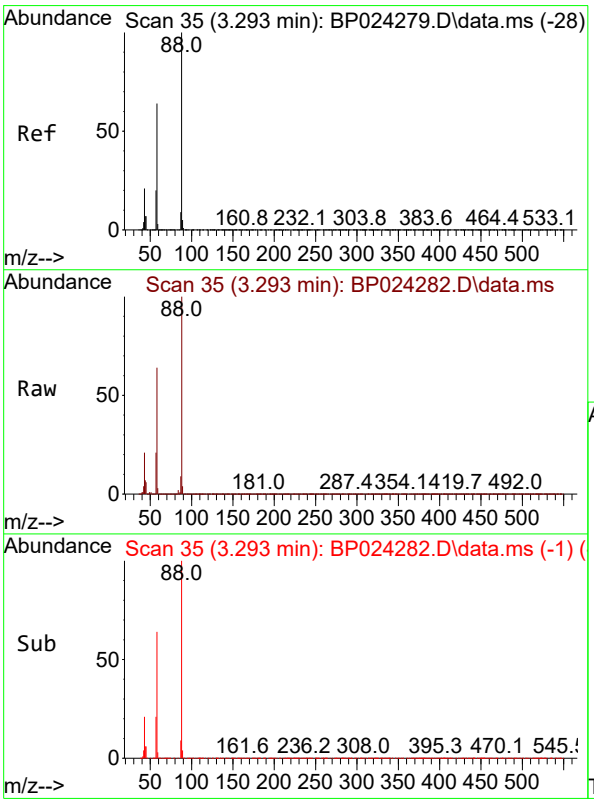
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 244732

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	61.0	47.7	71.5

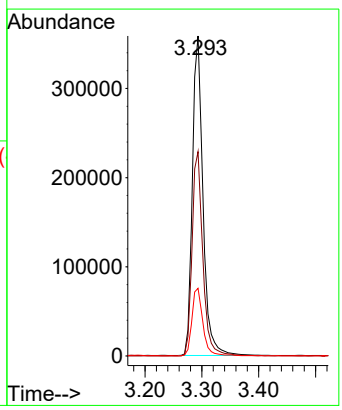


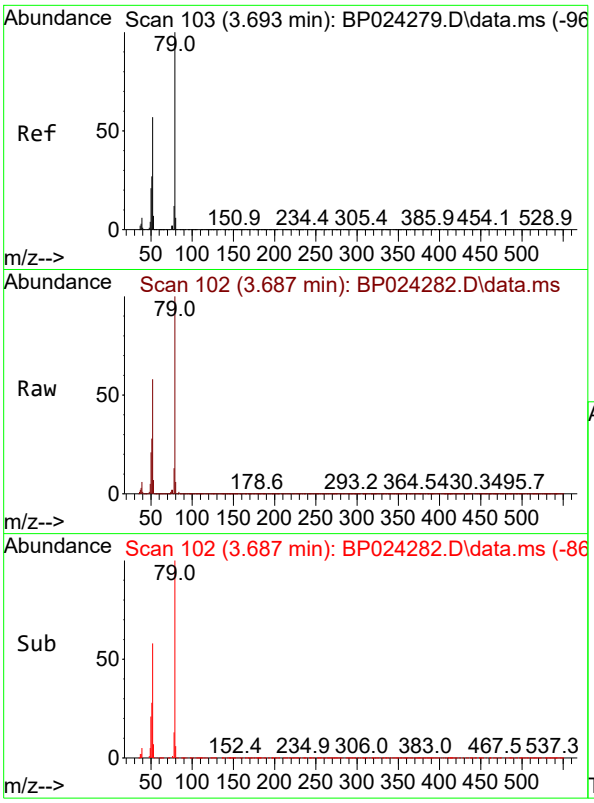


#2
1,4-Dioxane
Concen: 73.805 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 88 Resp: 467234

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	21.7	17.1	25.7



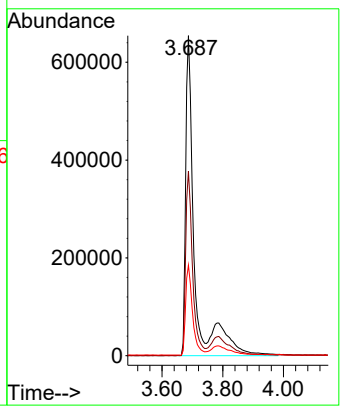


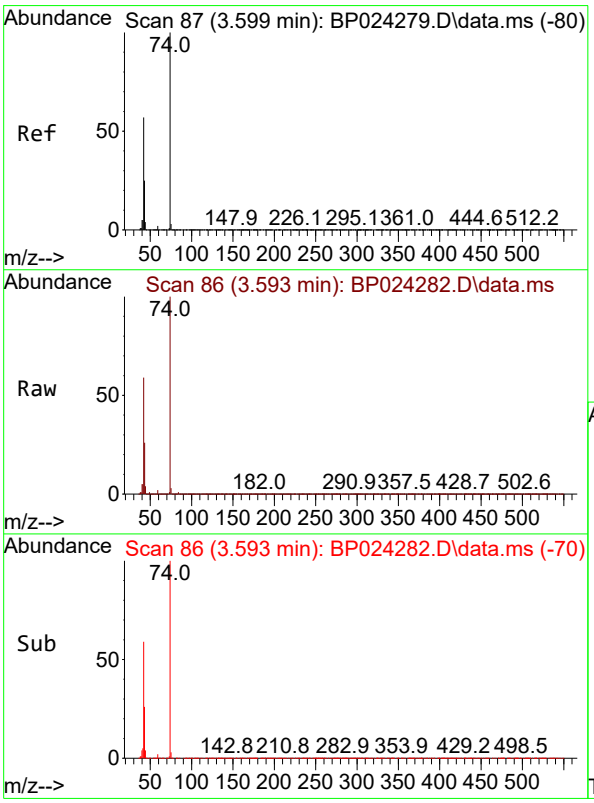
#3
Pyridine
Concen: 81.864 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1349044

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.3	22.6	33.8

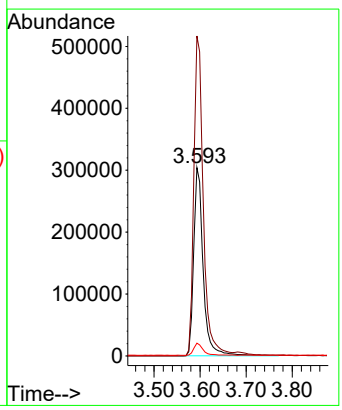


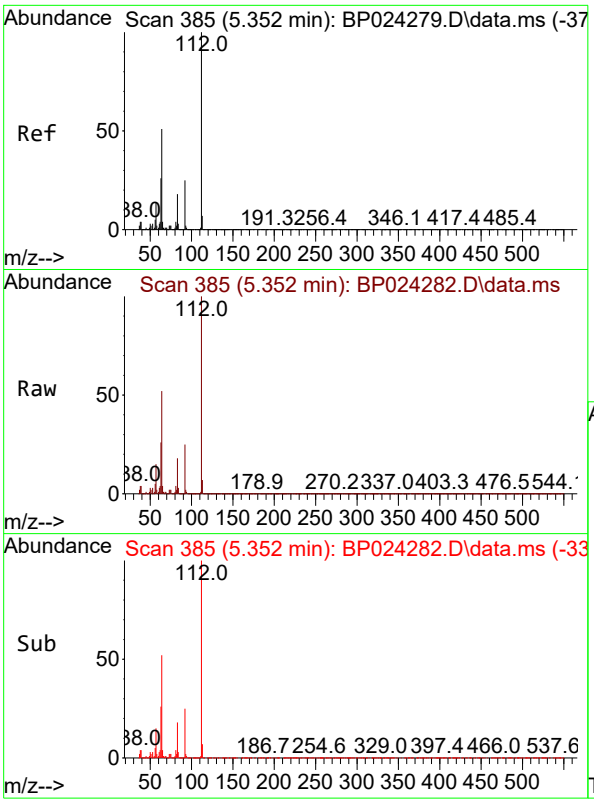


#4
n-Nitrosodimethylamine
Concen: 79.138 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 42 Resp: 434861

Ion	Ratio	Lower	Upper
42	100		
74	170.0	139.5	209.3
44	6.8	5.8	8.8



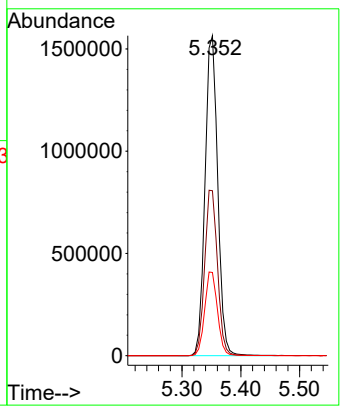


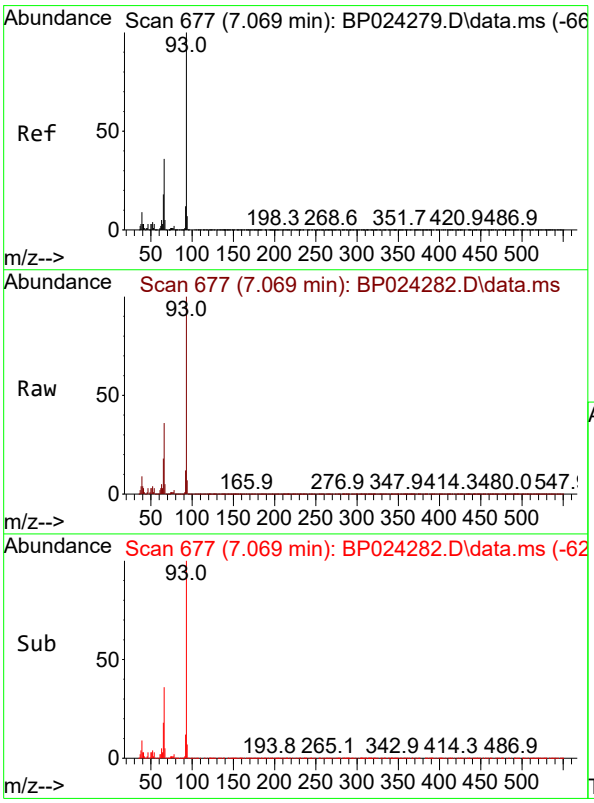
#5
2-Fluorophenol
Concen: 157.905 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2341577

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

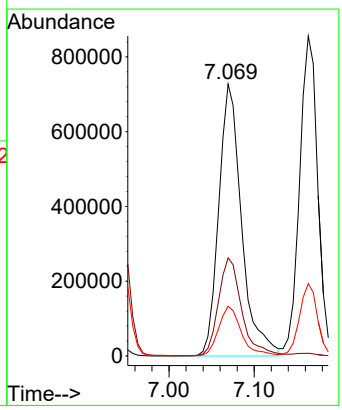


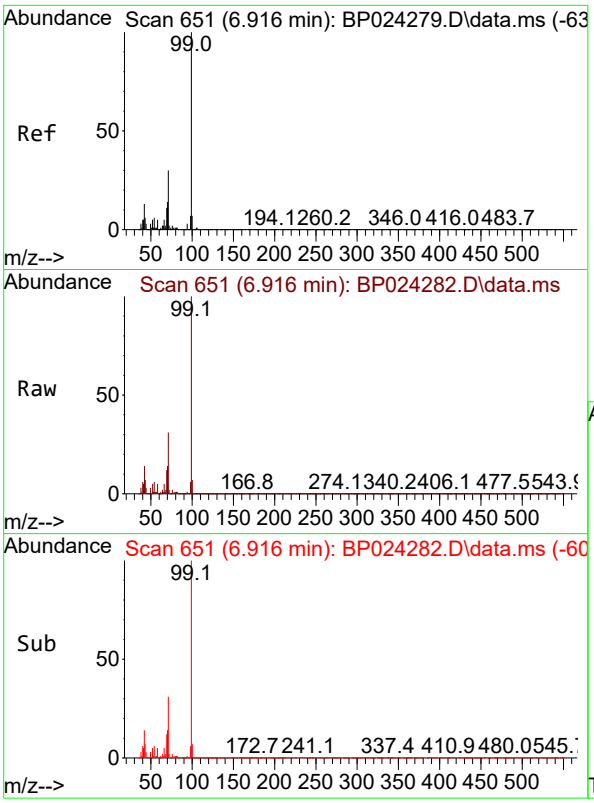


#6
Aniline
Concen: 73.789 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1351337

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.2	14.7	22.1



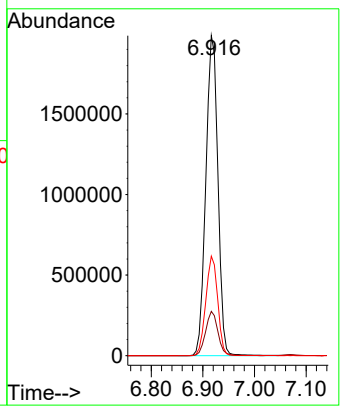


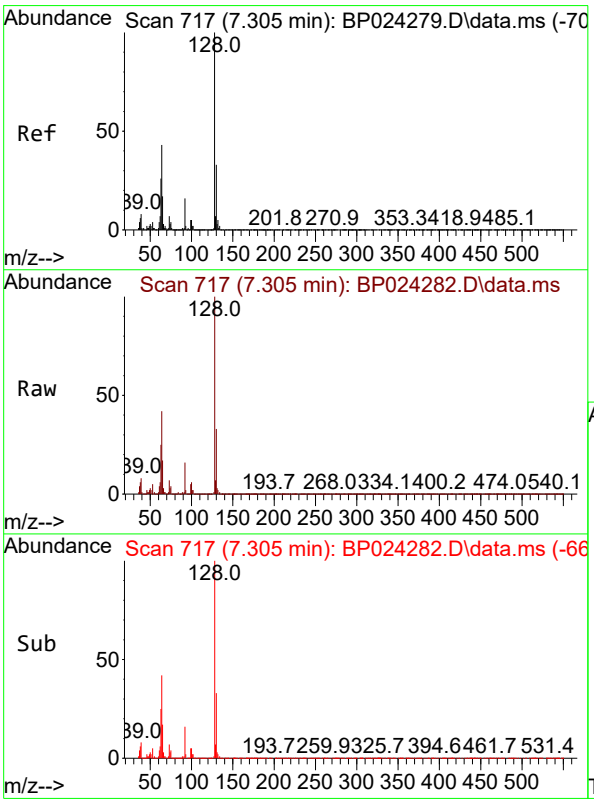
#7
Phenol-d6
Concen: 158.927 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3224074

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	31.1	23.7	35.5

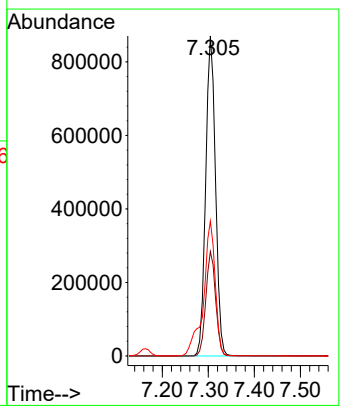


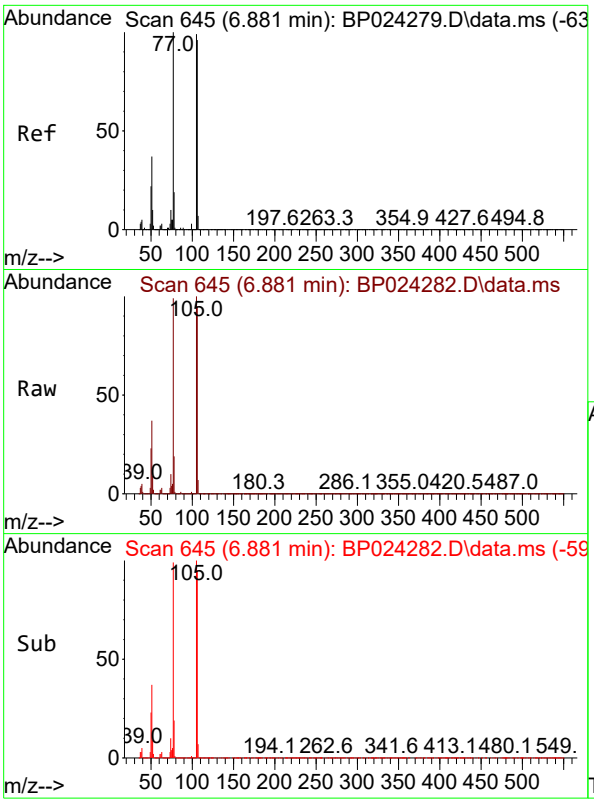


#8
2-Chlorophenol
Concen: 78.433 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:128 Resp: 1299769

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	42.1	22.7	62.7



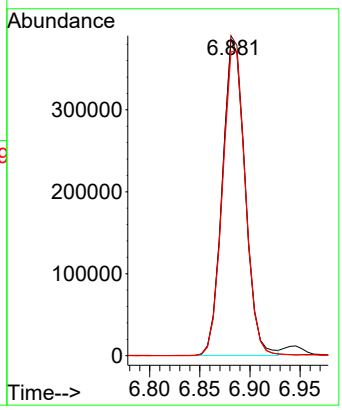


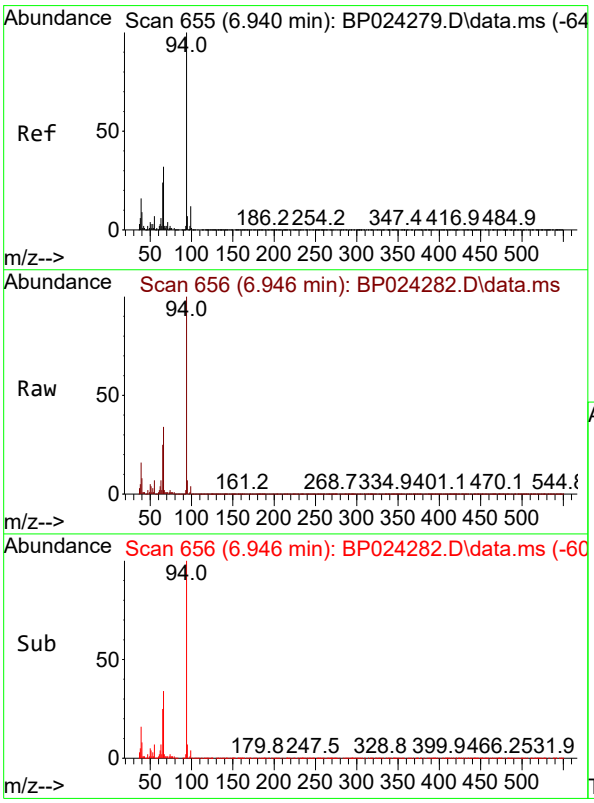
#9
Benzaldehyde
Concen: 57.891 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 608272

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.2	76.2	116.2

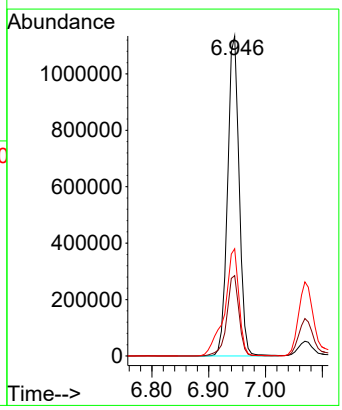


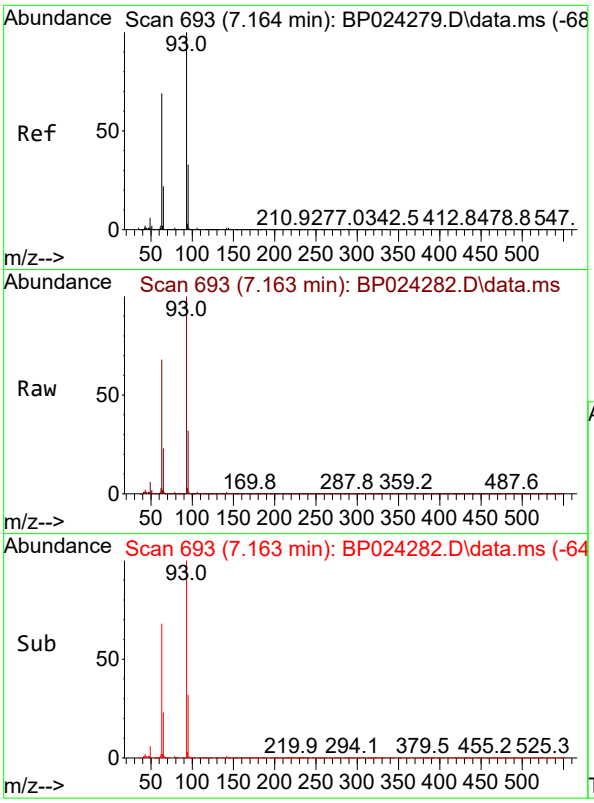


#10
Phenol
Concen: 78.944 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 94 Resp: 1608027

Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.5	12.4	52.4



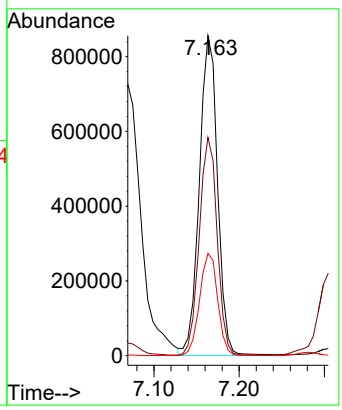


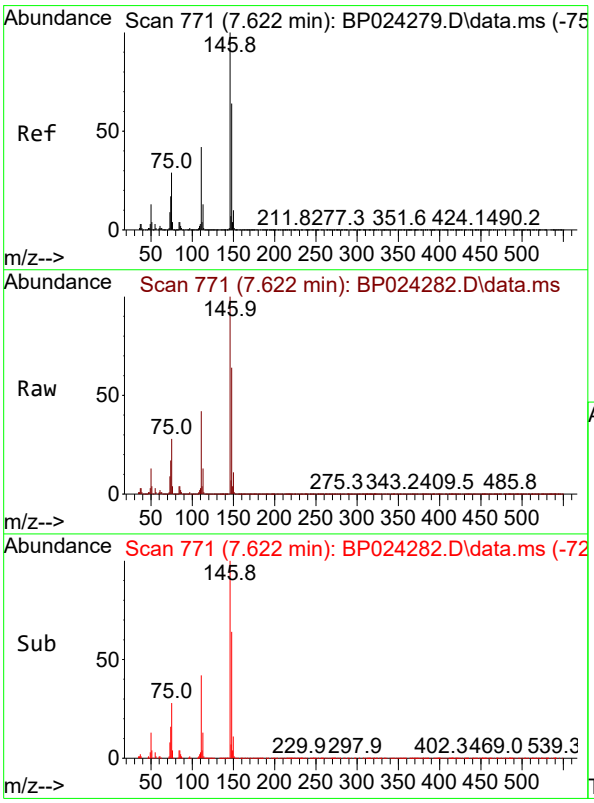
#11
bis(2-Chloroethyl)ether
Concen: 77.297 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1272327

Ion	Ratio	Lower	Upper
93	100		
63	68.2	48.6	88.6
95	31.9	12.3	52.3

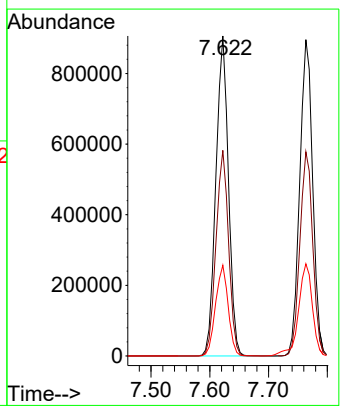


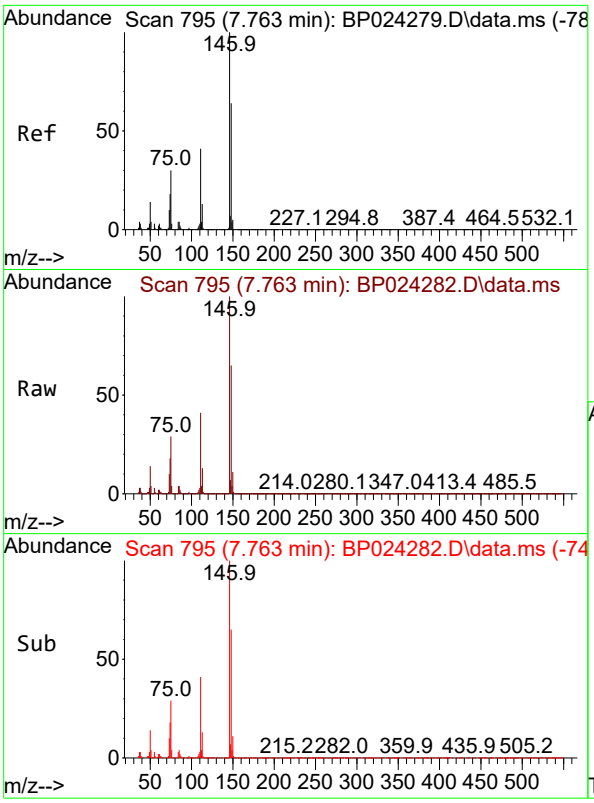


#12
1,3-Dichlorobenzene
Concen: 74.869 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1344292

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	28.4	22.9	34.3



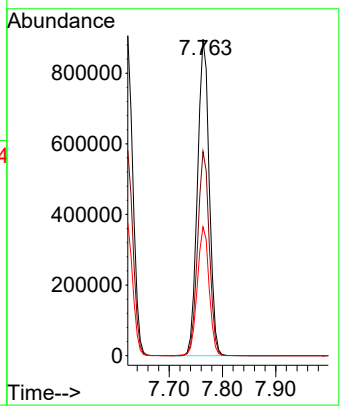


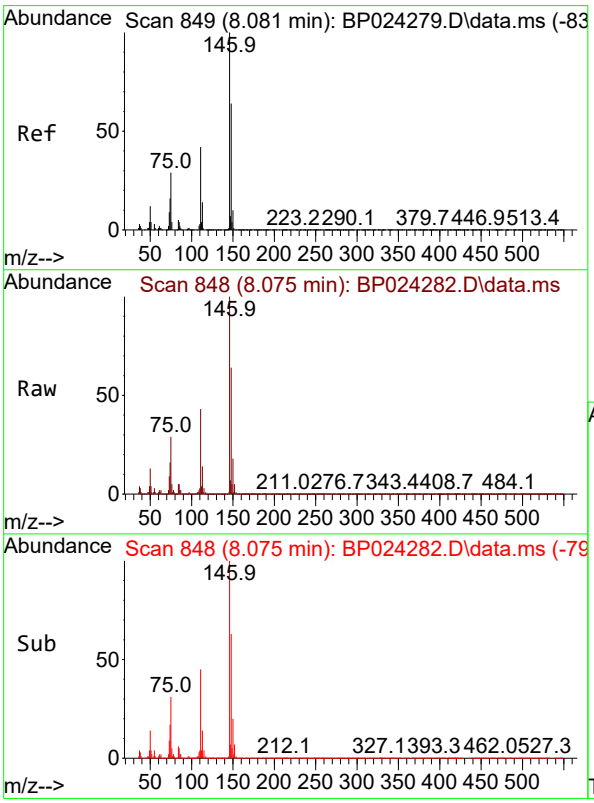
#13
1,4-Dichlorobenzene
Concen: 75.195 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1369087

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.7	32.6	48.8

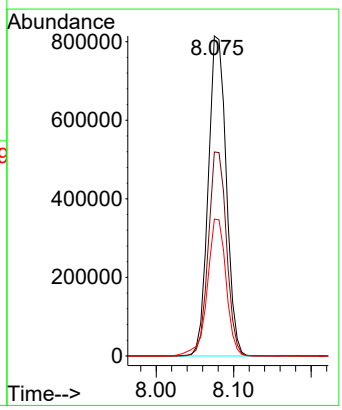


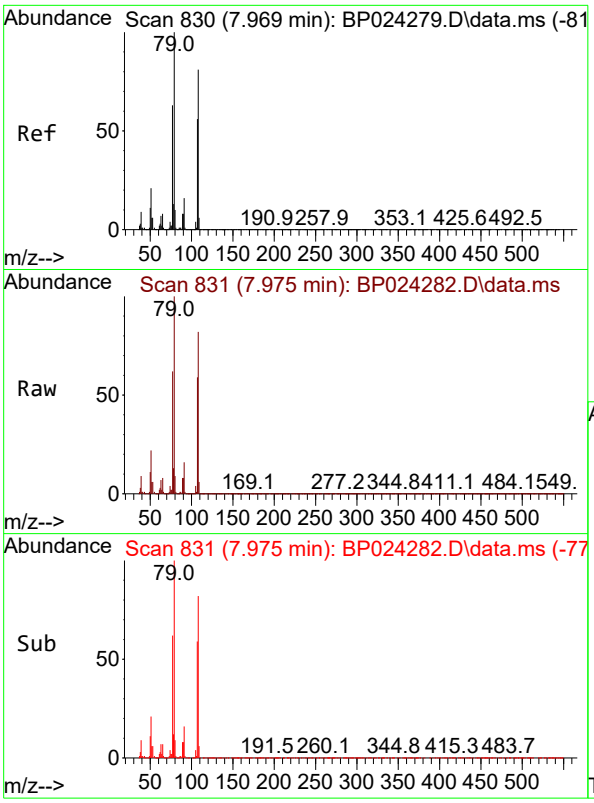


#14
1,2-Dichlorobenzene
Concen: 74.432 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1310407

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.7	33.8	50.8



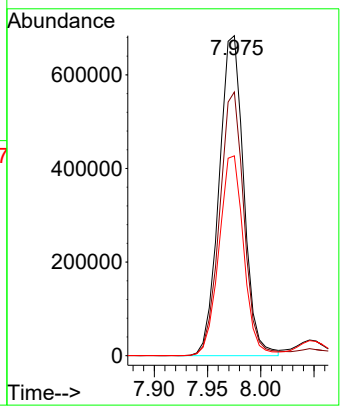


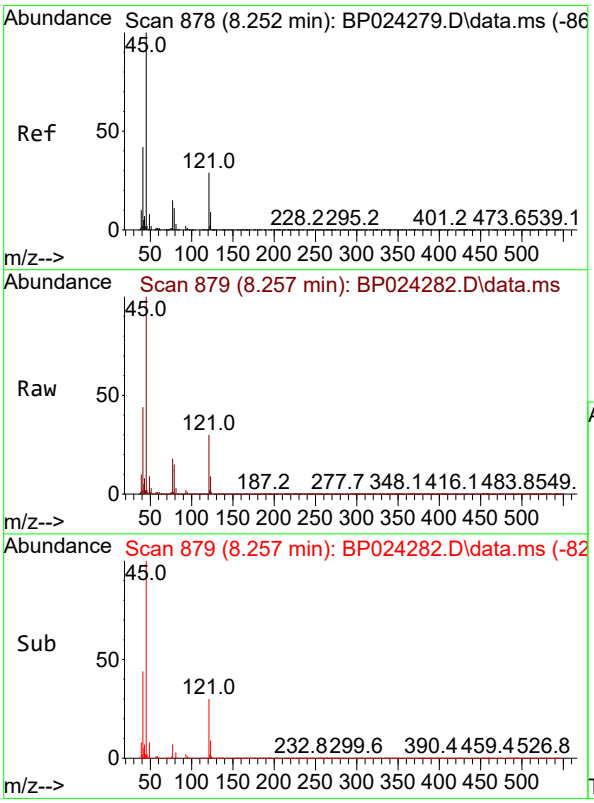
#15
Benzyl Alcohol
Concen: 84.492 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1098602

Ion	Ratio	Lower	Upper
79	100		
108	82.4	65.1	97.7
77	62.4	50.7	76.1

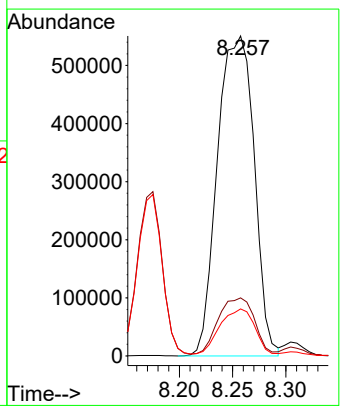


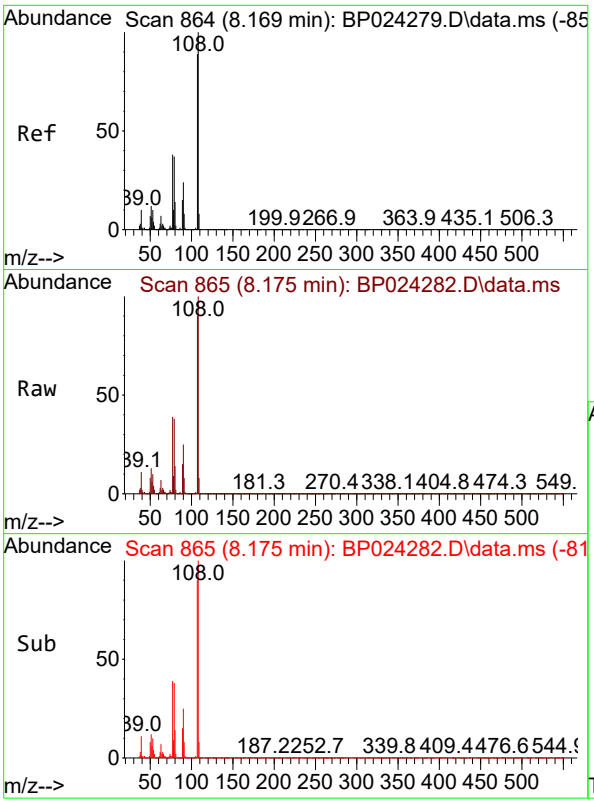


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.704 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 45 Resp: 1319830

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	14.7	0.0	33.5



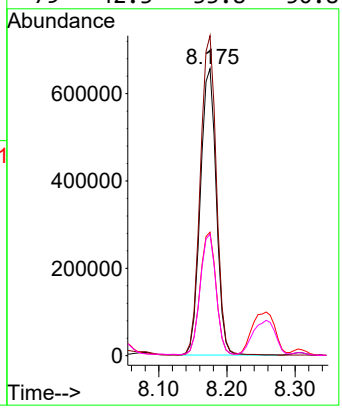


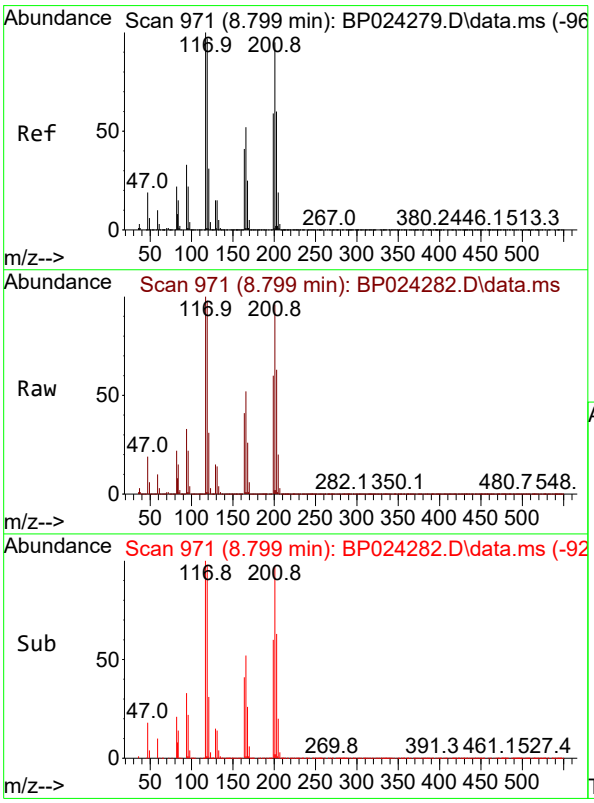
#17
2-Methylphenol
Concen: 81.101 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1064555

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	43.0	34.2	51.4
79	42.3	33.8	50.8

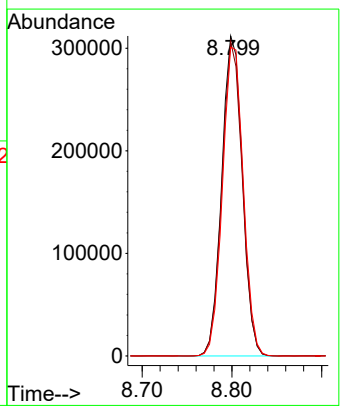


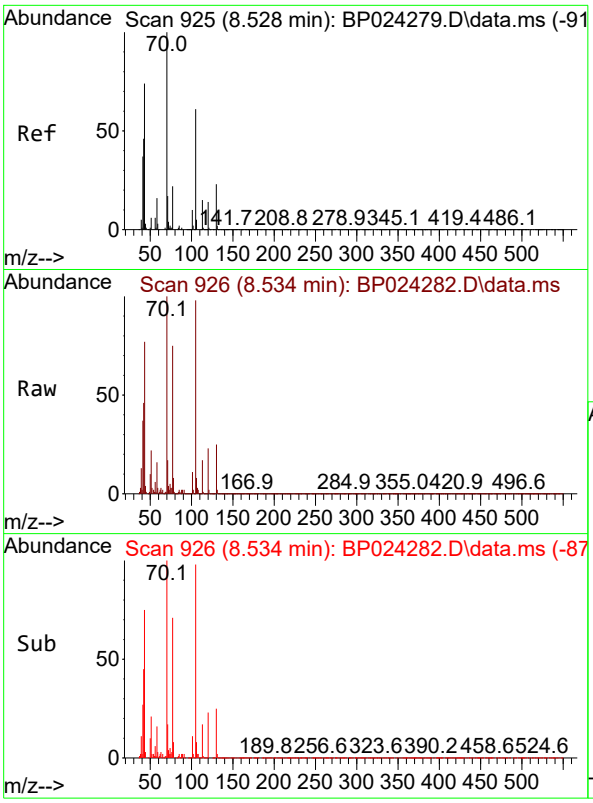


#18
Hexachloroethane
Concen: 75.920 ng
RT: 8.799 min Scan# 971
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:117 Resp: 498897

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	96.5	75.9	113.9



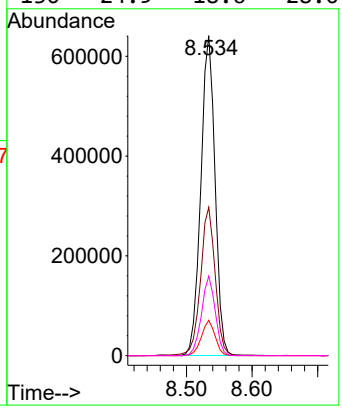


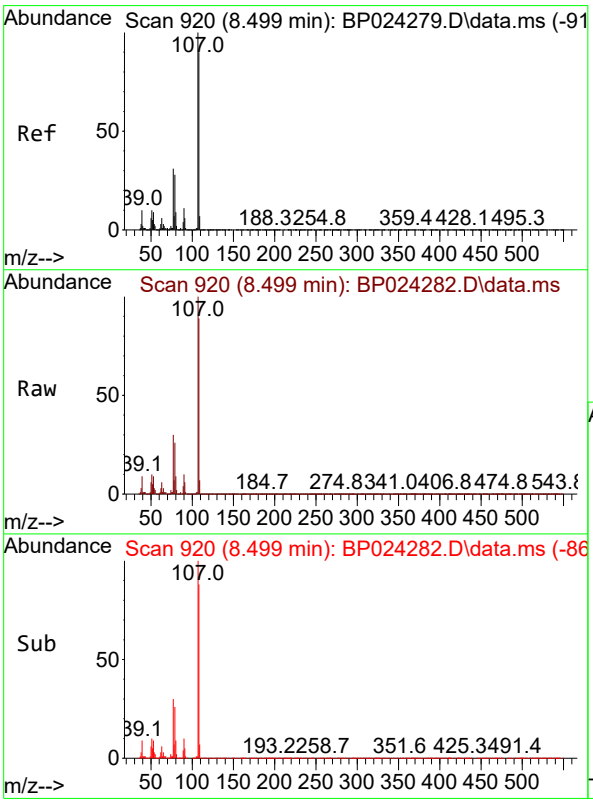
#19
n-Nitroso-di-n-propylamine
Concen: 76.844 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 968278

Ion	Ratio	Lower	Upper
70	100		
42	46.3	37.3	55.9
101	11.0	8.2	12.4
130	24.9	18.6	28.0

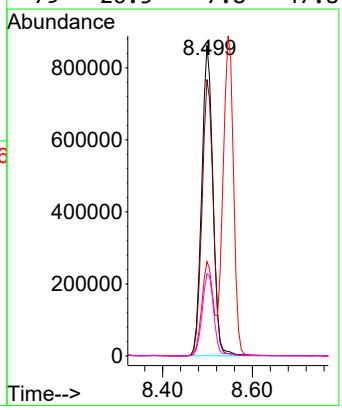


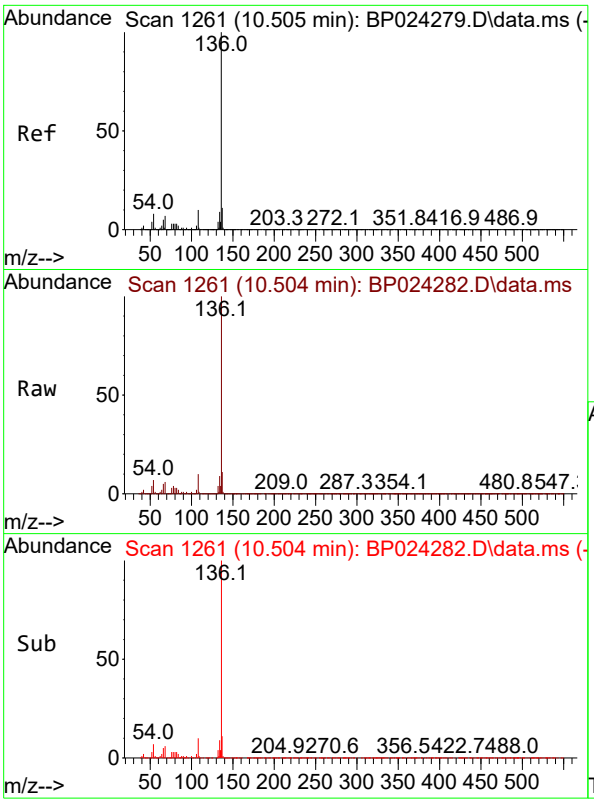


#20
3+4-Methylphenols
Concen: 82.092 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1492527

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	30.4	11.5	51.5
79	26.5	7.8	47.8



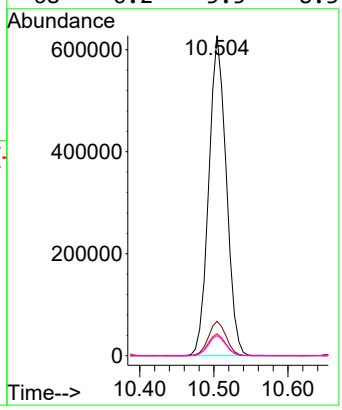


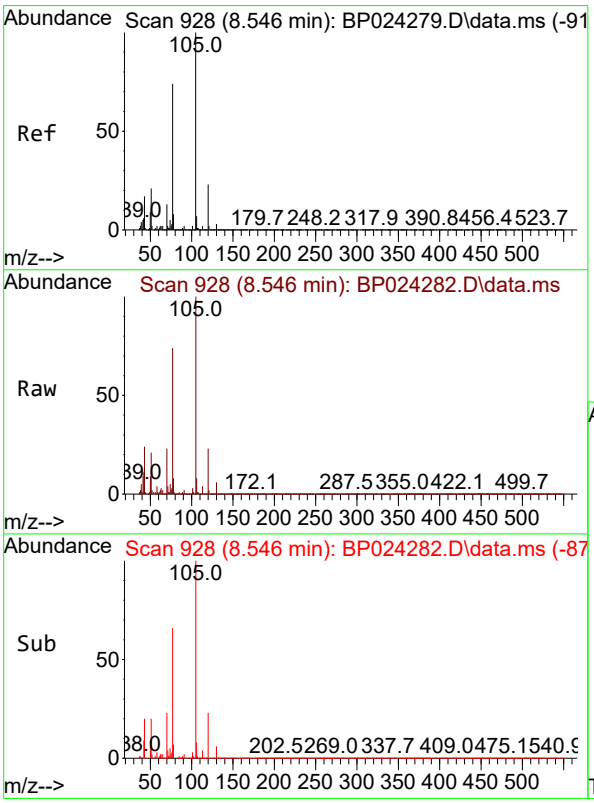
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1024316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.9	6.0	9.0
68	6.2	5.5	8.3

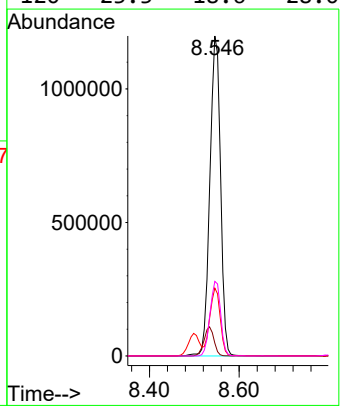


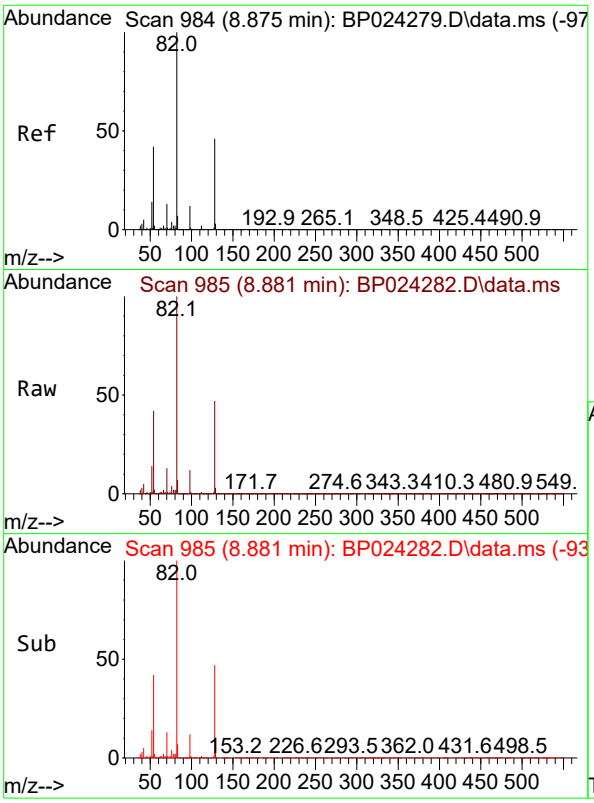


#22
Acetophenone
Concen: 77.680 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:105 Resp: 1977578

Ion	Ratio	Lower	Upper
105	100		
71	4.0	1.7	2.5#
51	21.2	16.9	25.3
120	23.3	18.6	28.0



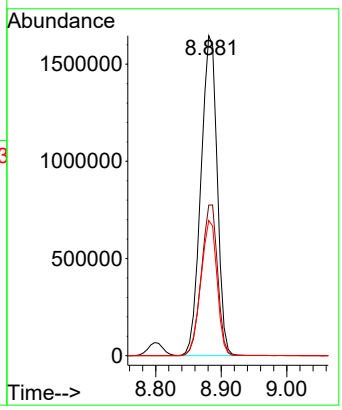


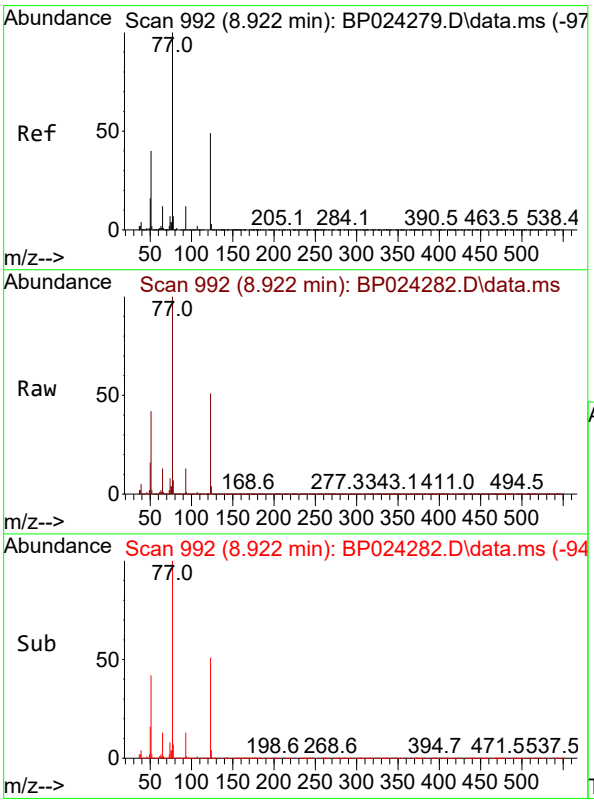
#23
Nitrobenzene-d5
Concen: 158.236 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2847003

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.3	33.4	50.2

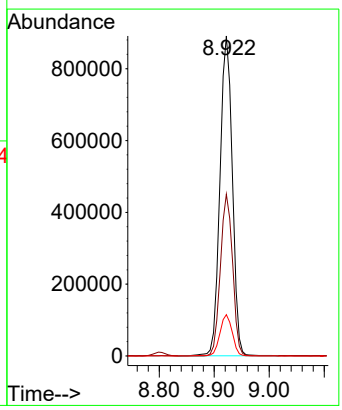


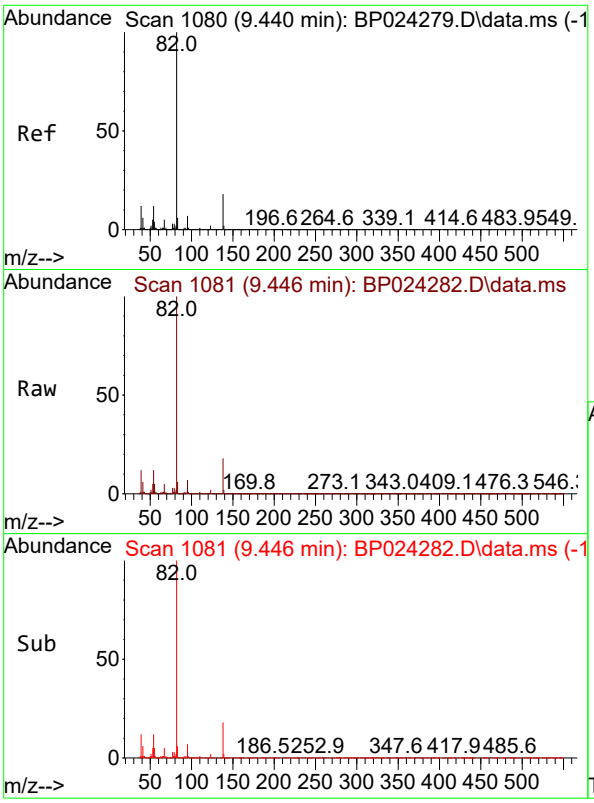


#24
Nitrobenzene
Concen: 78.066 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 77 Resp: 1392093

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	12.9	9.8	14.6



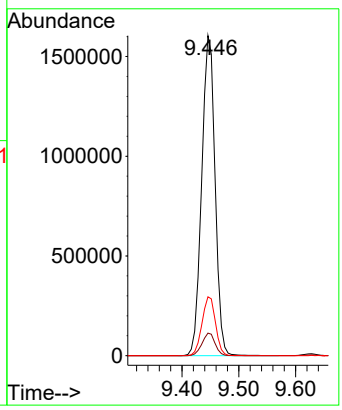


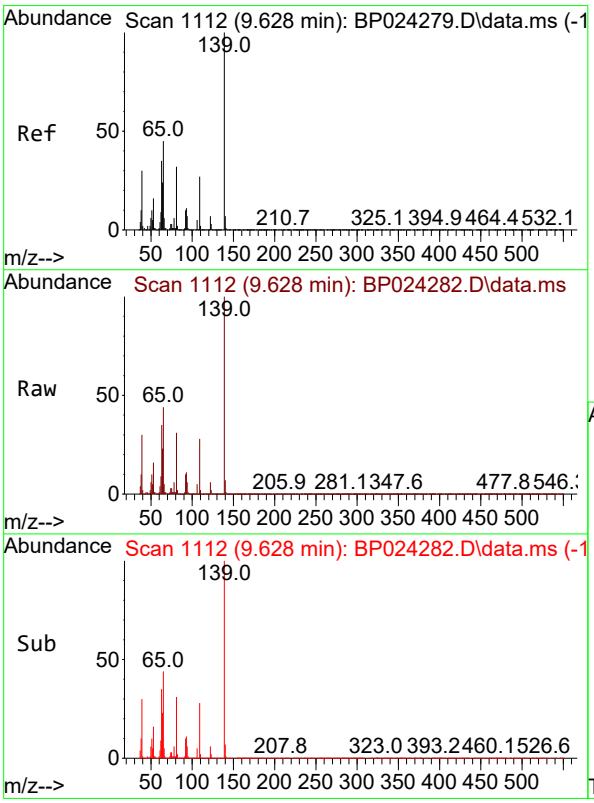
#25
Isophorone
Concen: 80.596 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2617853

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.4	14.4	21.6

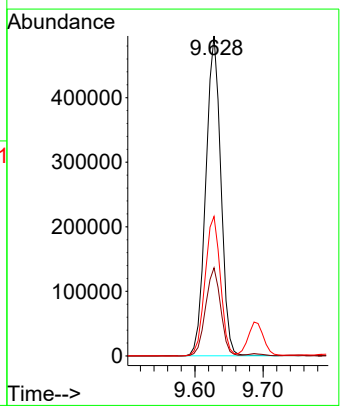


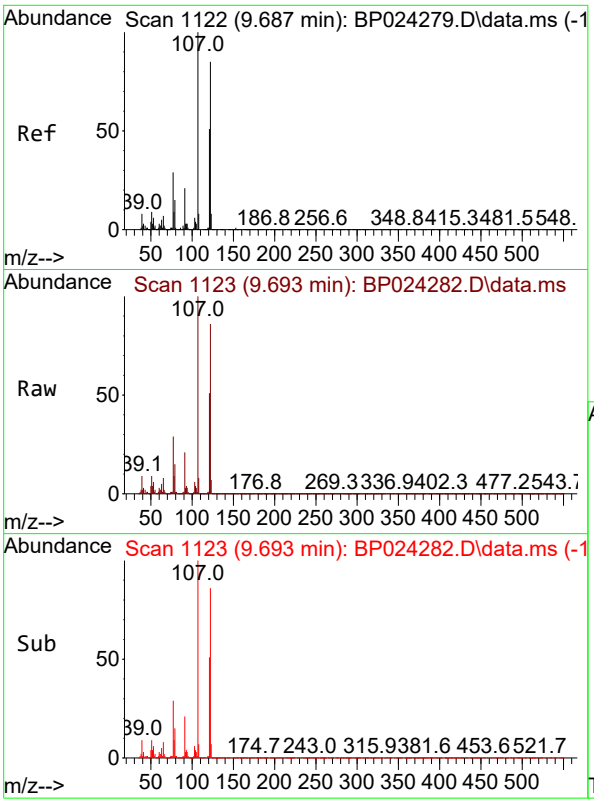


#26
2-Nitrophenol
Concen: 88.768 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 760077

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	43.6	36.2	54.2



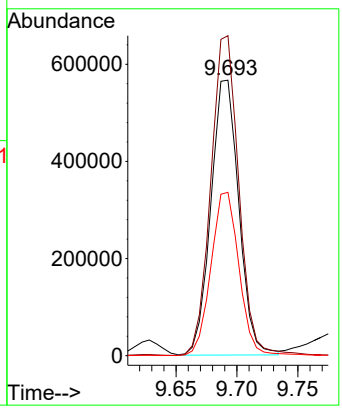


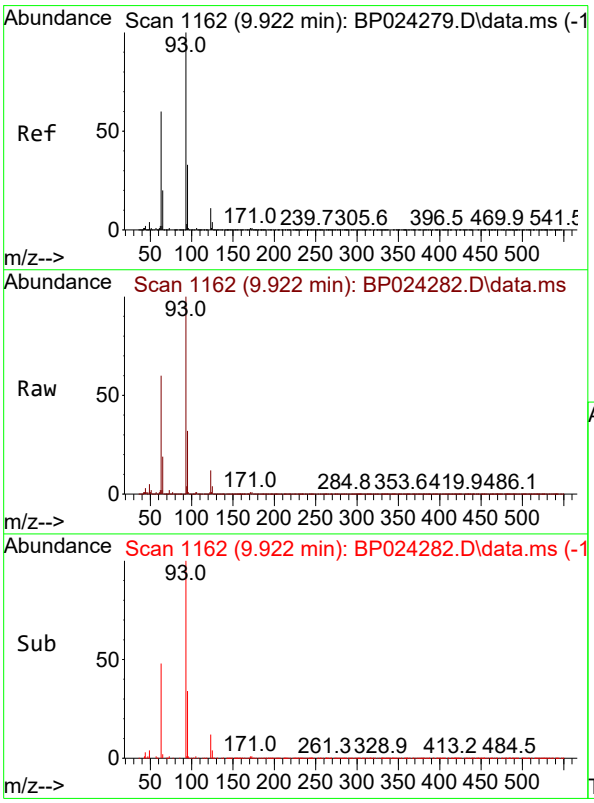
#27
2,4-Dimethylphenol
Concen: 83.475 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 905891

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.3	48.2	72.2

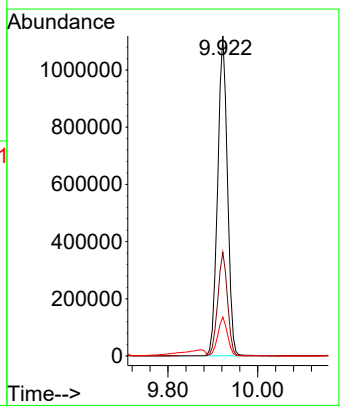


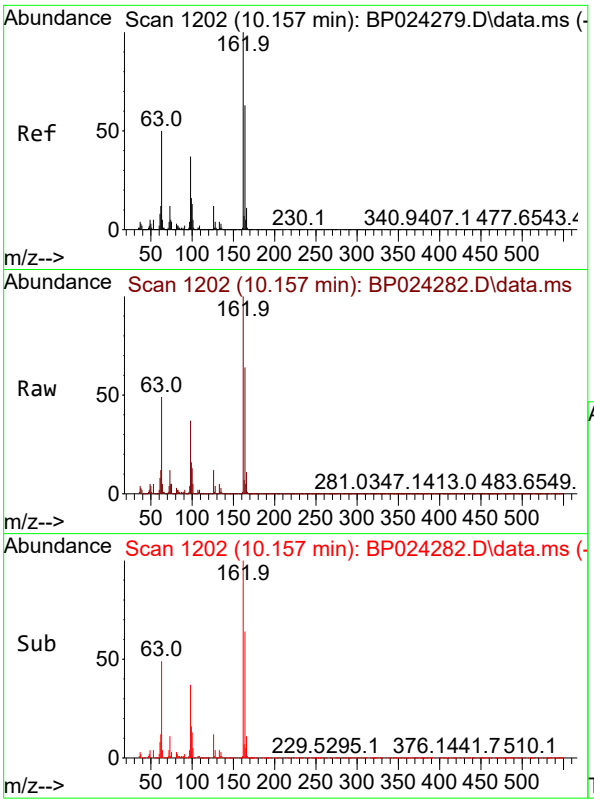


#28
bis(2-Chloroethoxy)methane
Concen: 76.434 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1689686

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.2	9.1	13.7



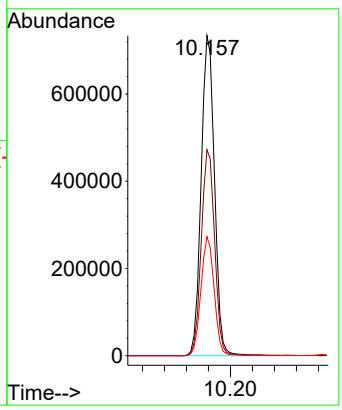


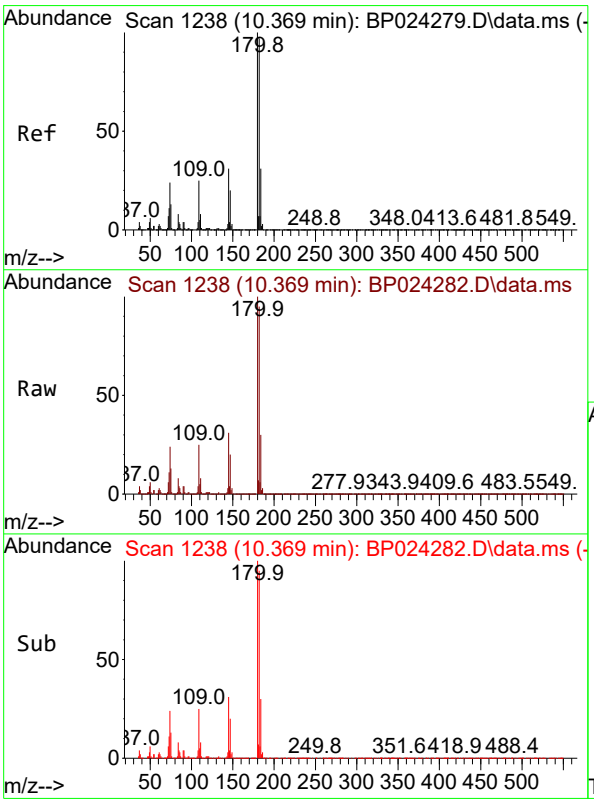
#29
2,4-Dichlorophenol
Concen: 83.719 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1238253

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	37.2	16.6	56.6

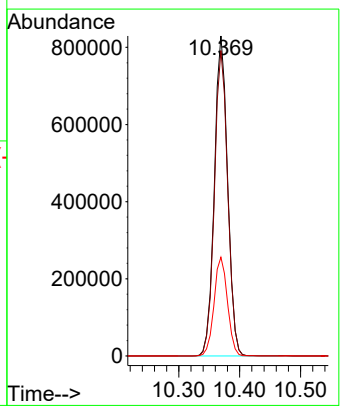


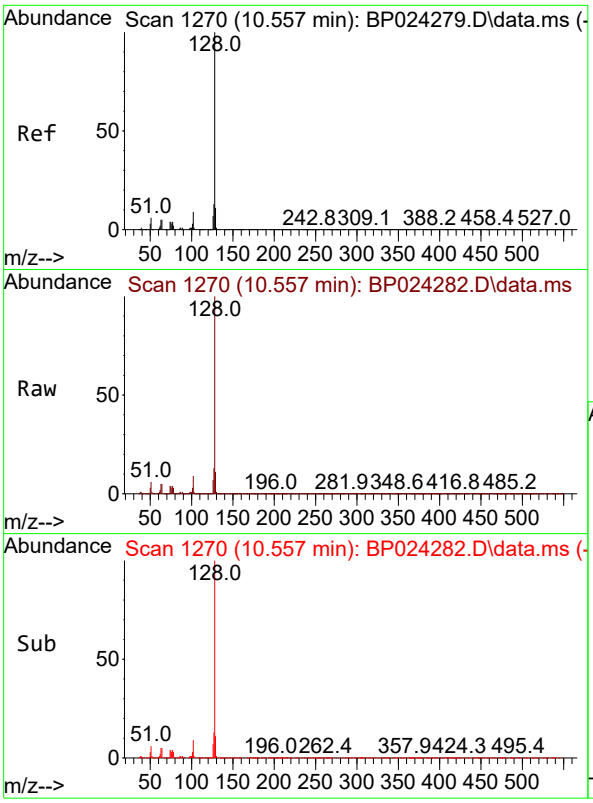


#30
1,2,4-Trichlorobenzene
Concen: 78.272 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:180 Resp: 1252476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.9	25.1	37.7



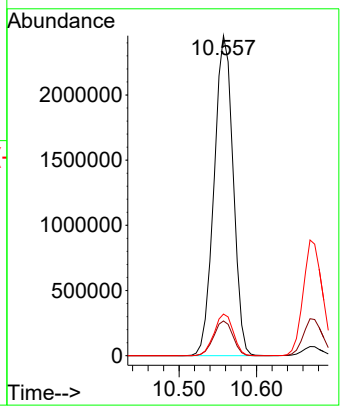


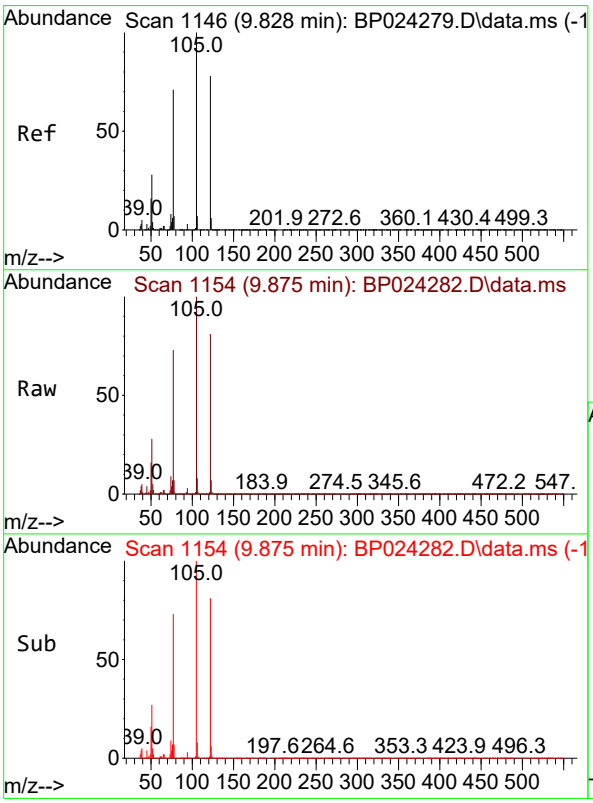
#31
Naphthalene
Concen: 77.287 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4190486

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.3	15.5

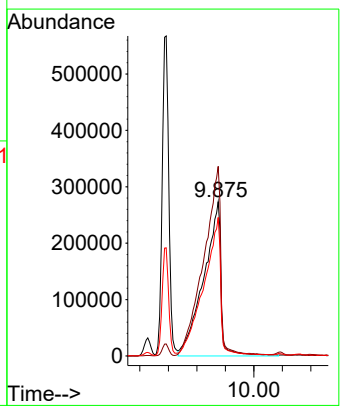


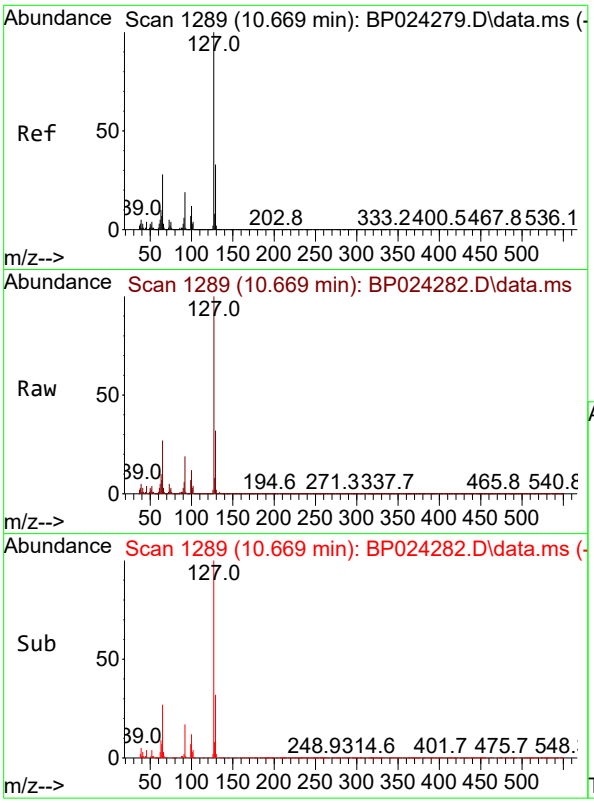


#32
Benzoic acid
Concen: 98.425 ng m
RT: 9.875 min Scan# 1154
Delta R.T. 0.047 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:122 Resp: 1154243

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.8	144.8
77	89.8	69.2	109.2



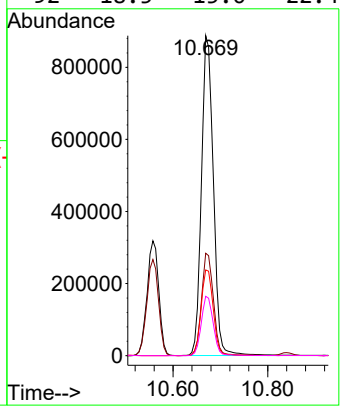


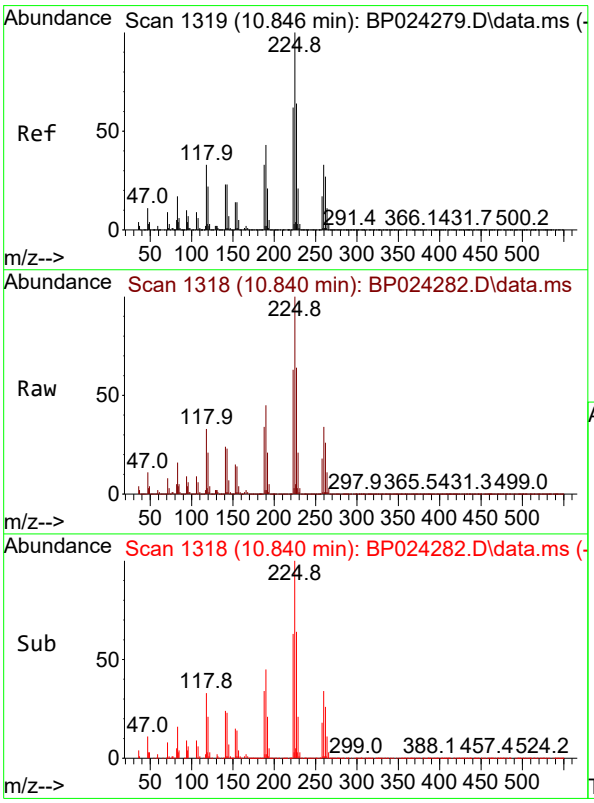
#33
4-Chloroaniline
Concen: 81.682 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1547427

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	26.8	22.1	33.1
92	18.5	15.0	22.4

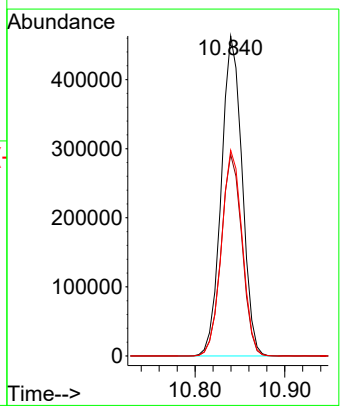


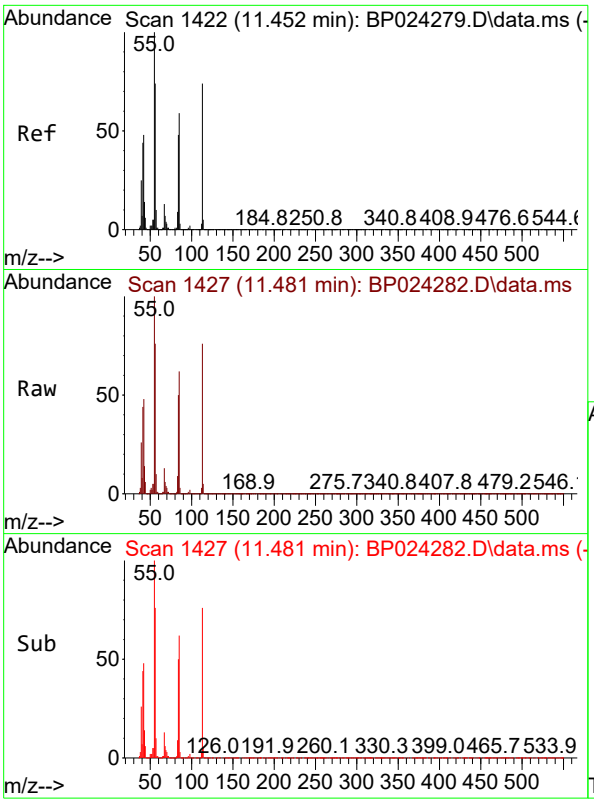


#34
Hexachlorobutadiene
Concen: 79.240 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:225 Resp: 743811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



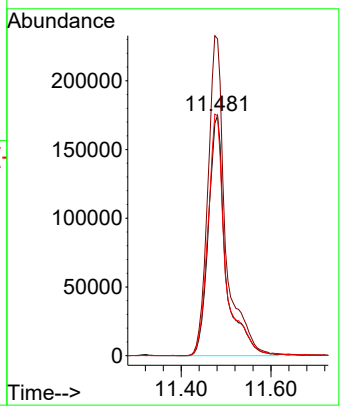


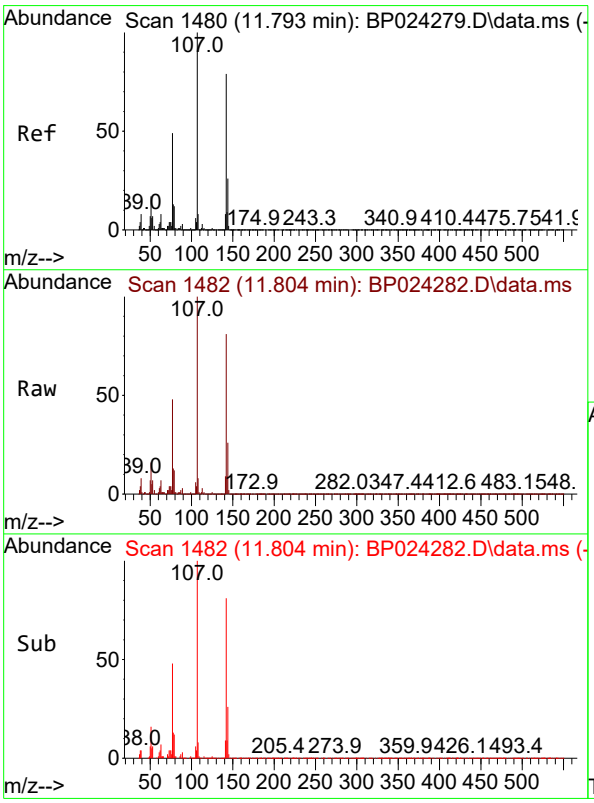
#35
Caprolactam
Concen: 86.534 ng
RT: 11.481 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 469910

Ion	Ratio	Lower	Upper
113	100		
55	131.9	115.9	155.9
56	99.8	81.1	121.1

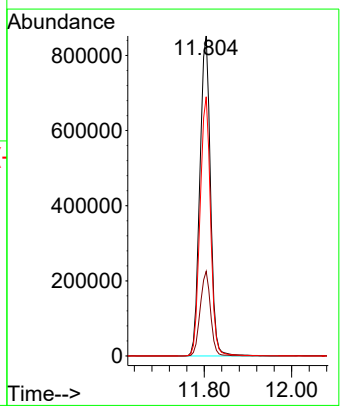


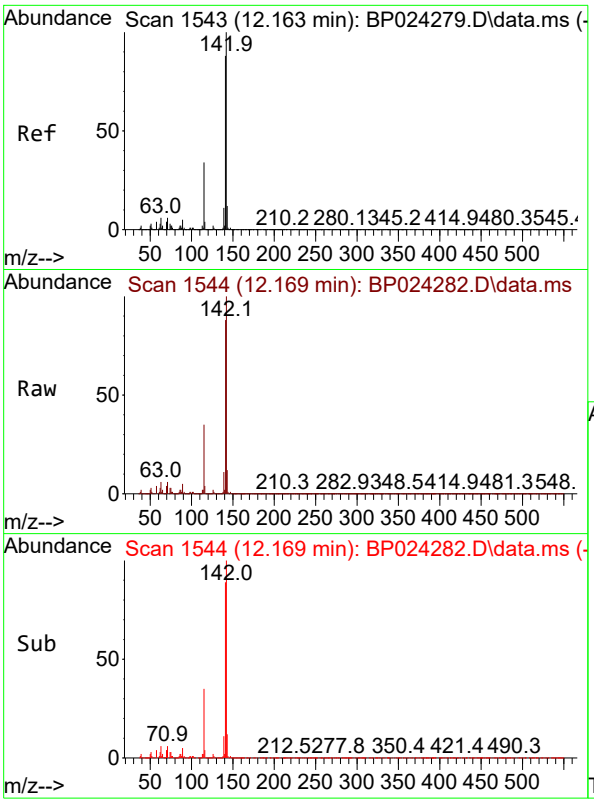


#36
4-Chloro-3-methylphenol
Concen: 83.468 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1438601

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.5	30.7
142	81.0	63.4	95.2



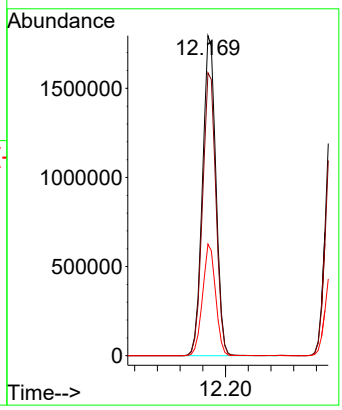


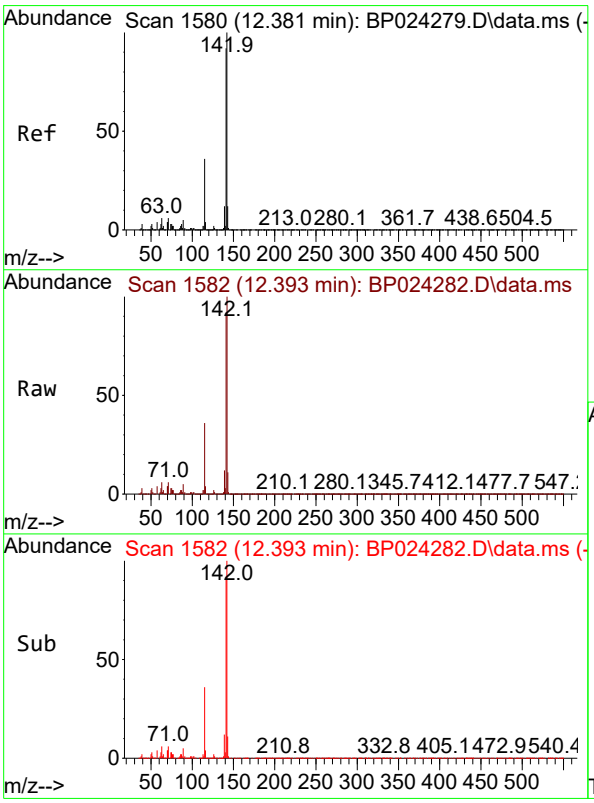
#37
2-Methylnaphthalene
Concen: 77.673 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2918685

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

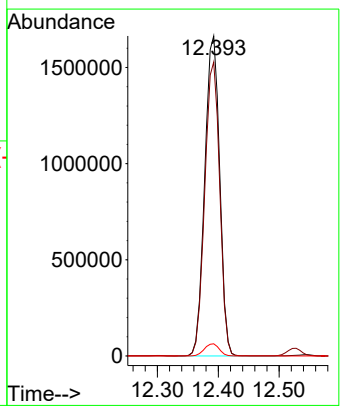


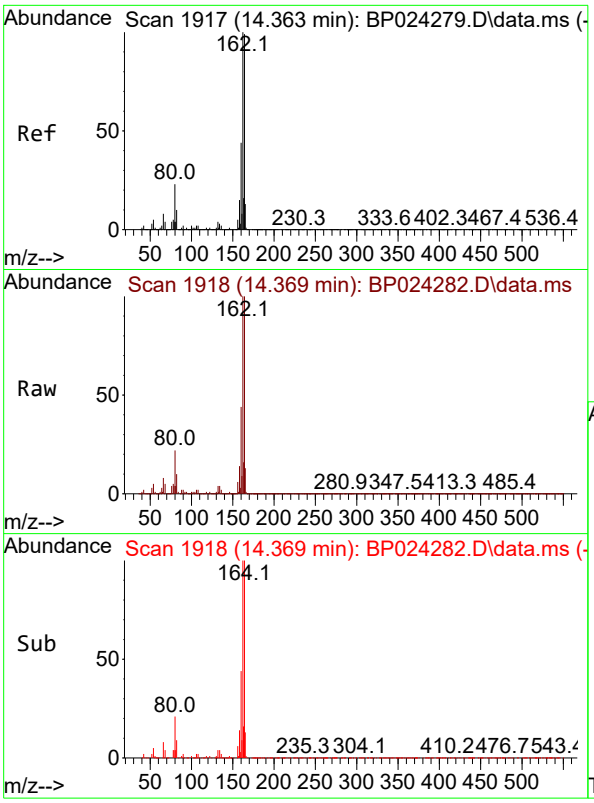


#38
1-Methylnaphthalene
Concen: 76.912 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:142 Resp: 2831173

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4
116	3.8	3.0	4.6



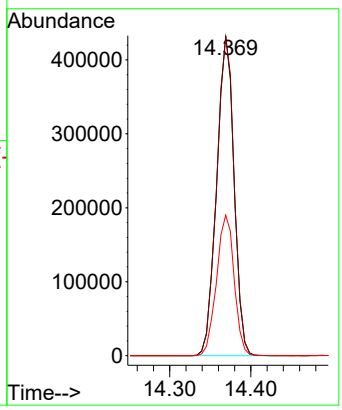


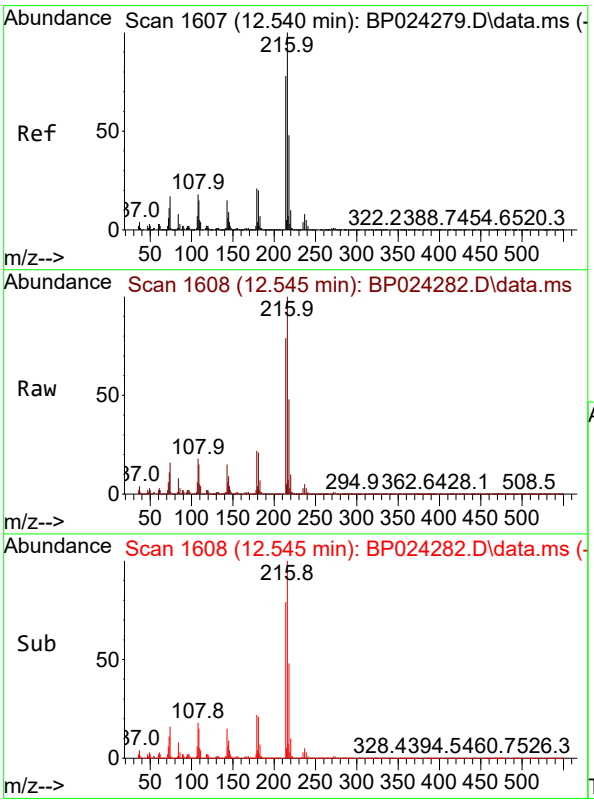
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 641442

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.9	35.3	52.9

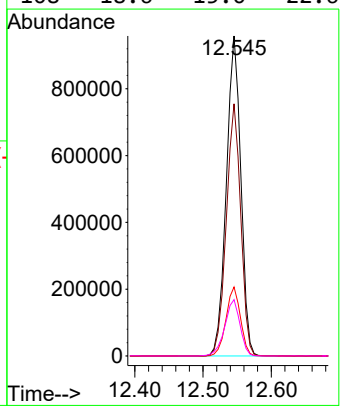


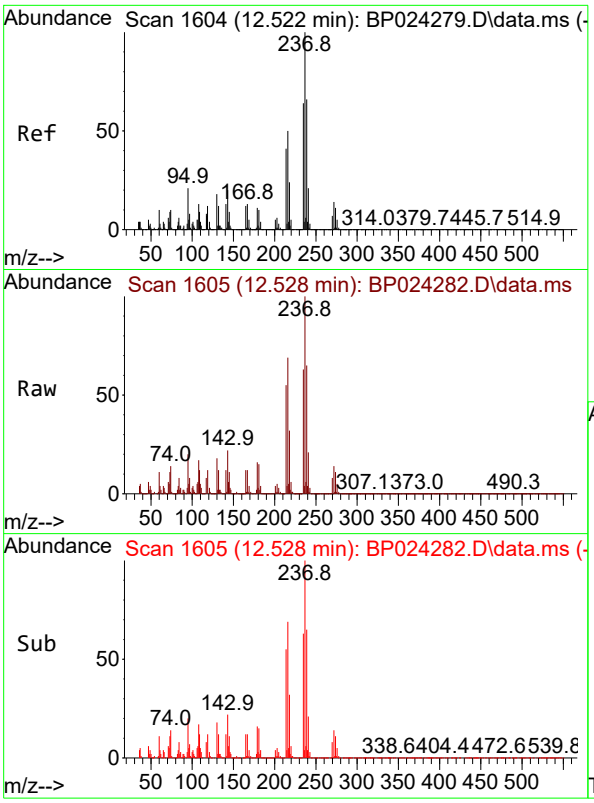


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.378 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:216 Resp: 1416894

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.5	17.2	25.8
108	18.6	15.0	22.6



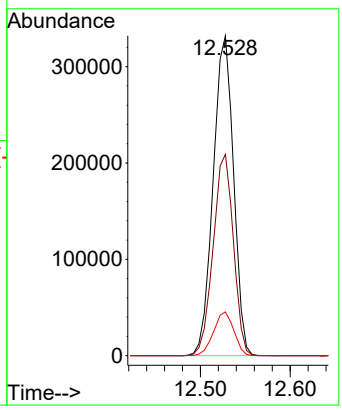


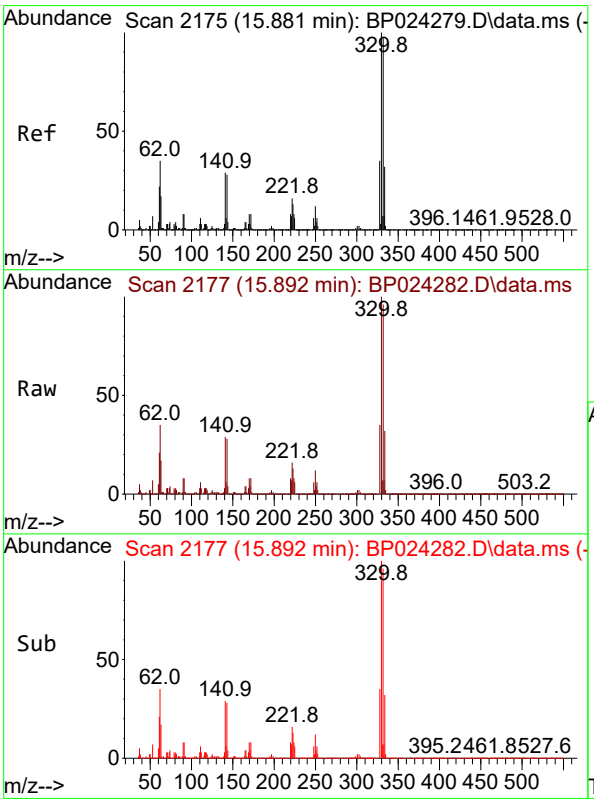
#41
Hexachlorocyclopentadiene
Concen: 84.532 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 523136

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.7	0.0	33.6

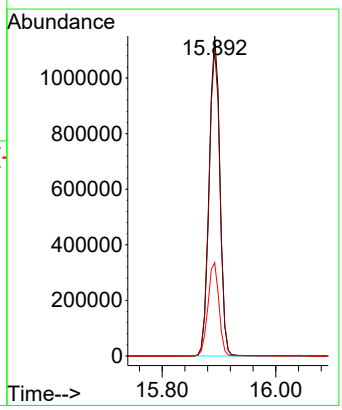


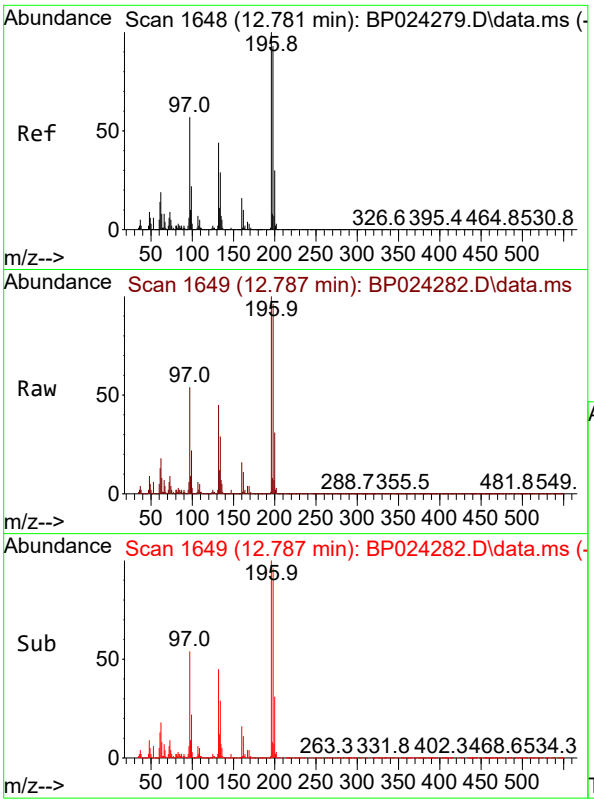


#42
2,4,6-Tribromophenol
Concen: 171.633 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:330 Resp: 1507534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	29.7	24.7	37.1



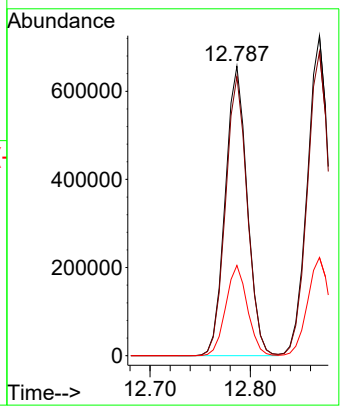


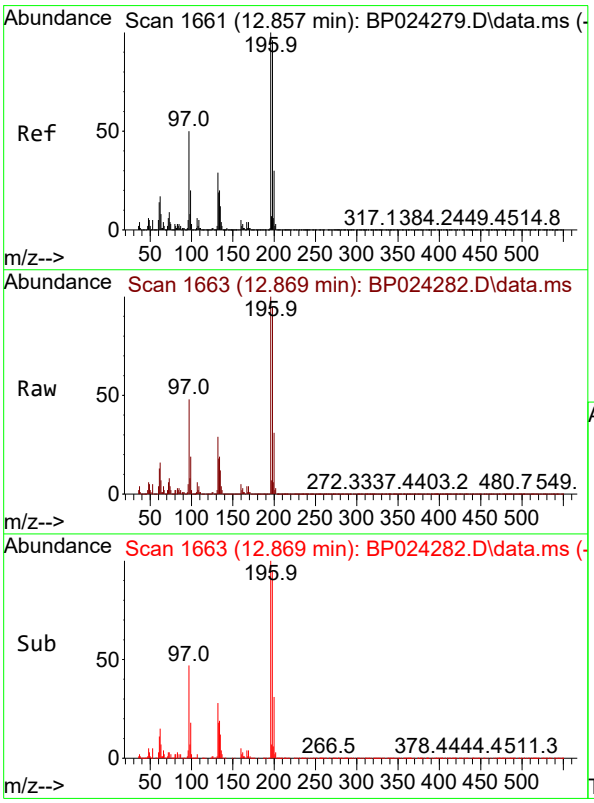
#43
2,4,6-Trichlorophenol
Concen: 86.244 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1000309

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.3	111.5
200	31.2	24.0	36.0

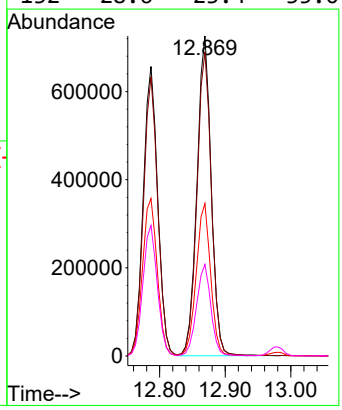


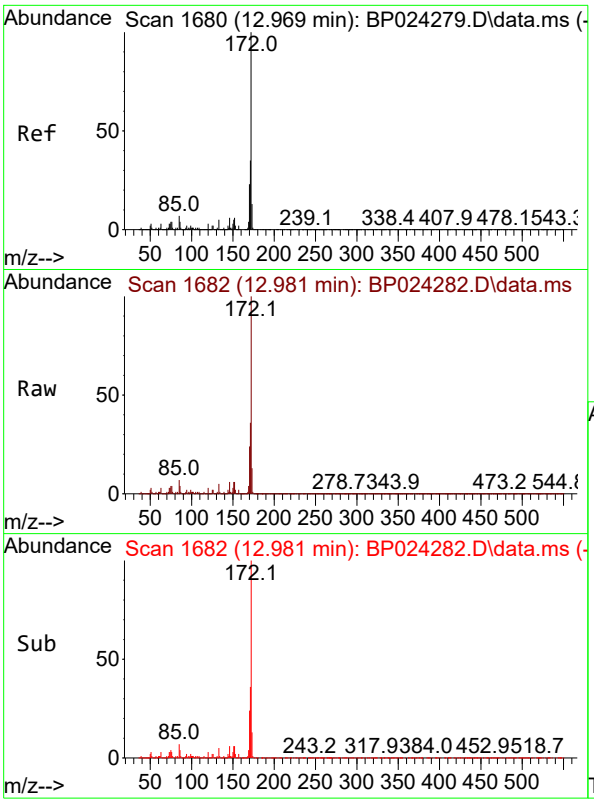


#44
2,4,5-Trichlorophenol
Concen: 85.819 ng
RT: 12.869 min Scan# 1663
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:196 Resp: 1103073

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.7	40.4	60.6
132	28.6	23.4	35.0



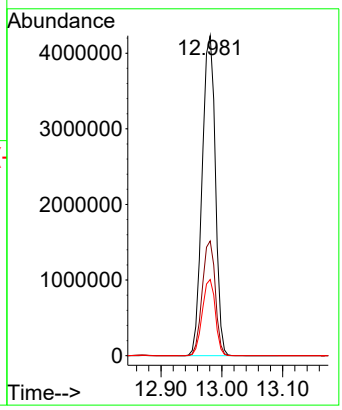


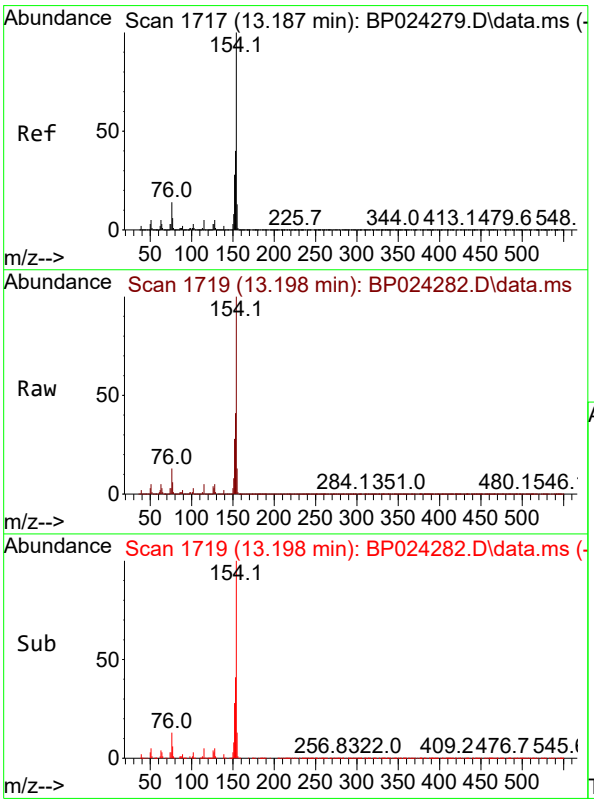
#45
2-Fluorobiphenyl
Concen: 150.596 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6362479

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.8	18.6	27.8

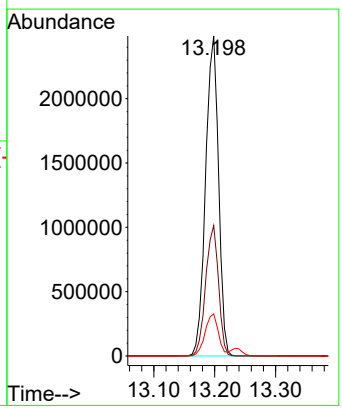


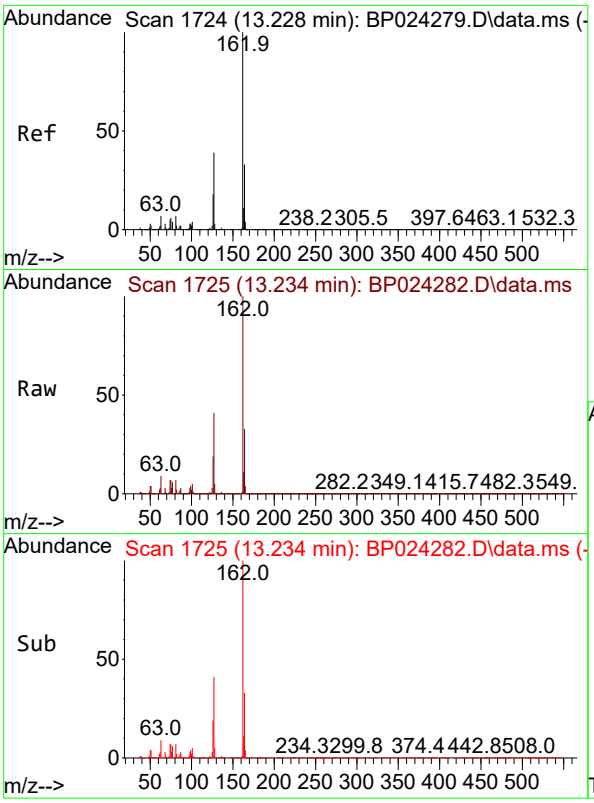


#46
1,1'-Biphenyl
Concen: 77.381 ng
RT: 13.198 min Scan# 1719
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 3665607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.2	0.0	33.5



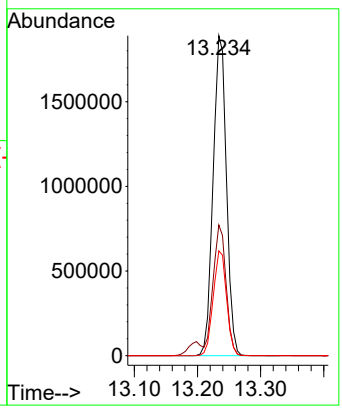


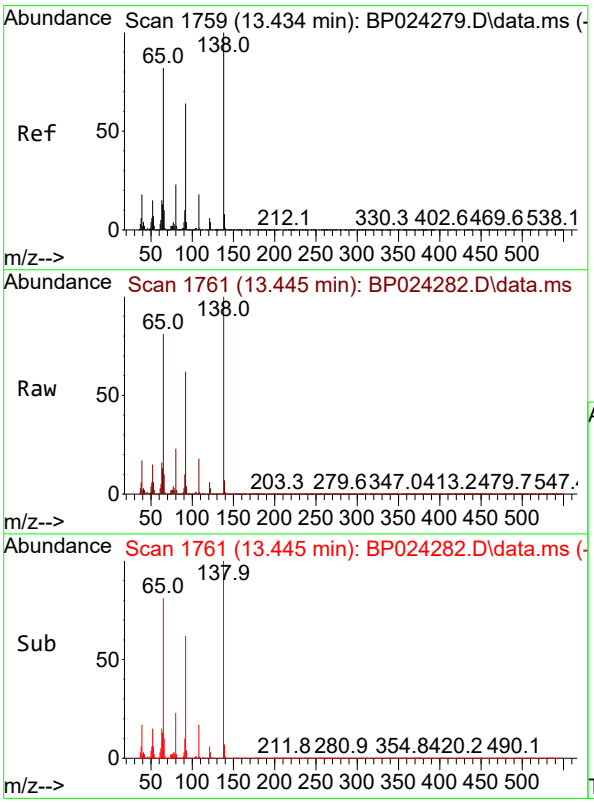
#47
2-Chloronaphthalene
Concen: 78.257 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2766302

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.8	26.2	39.4

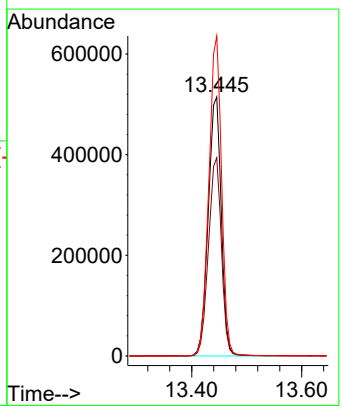


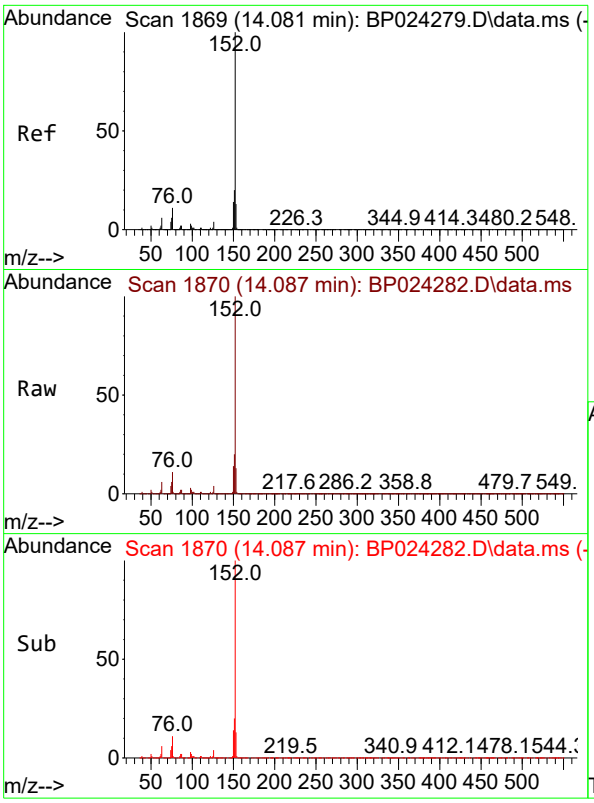


#48
2-Nitroaniline
Concen: 86.912 ng
RT: 13.445 min Scan# 1761
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 65 Resp: 848619

Ion	Ratio	Lower	Upper
65	100		
92	76.5	62.3	93.5
138	123.5	97.2	145.8



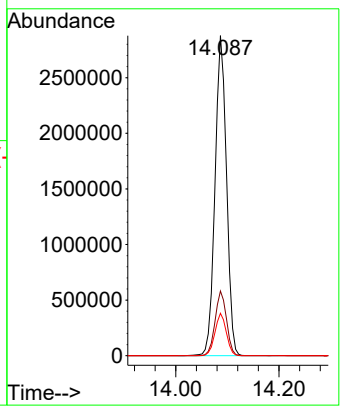


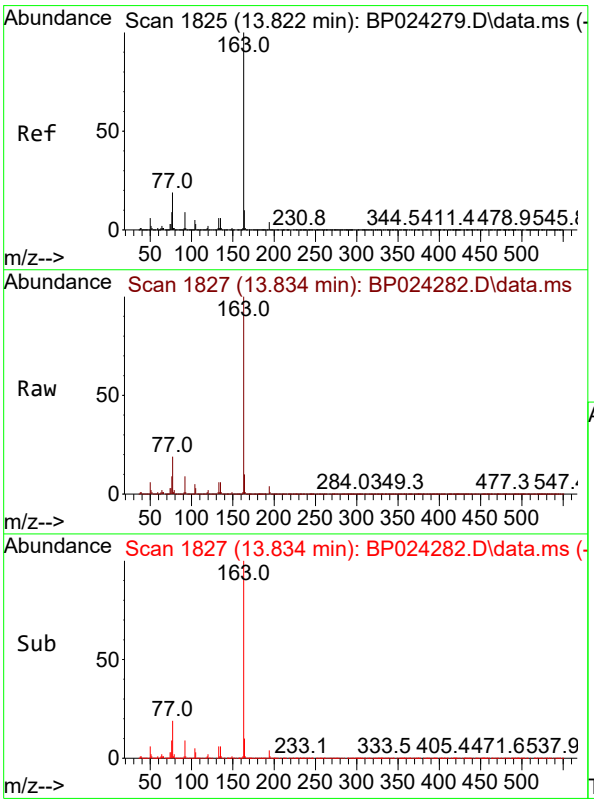
#49
Acenaphthylene
Concen: 80.004 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4438648

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.6	15.8

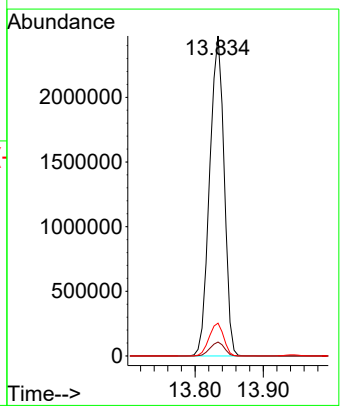


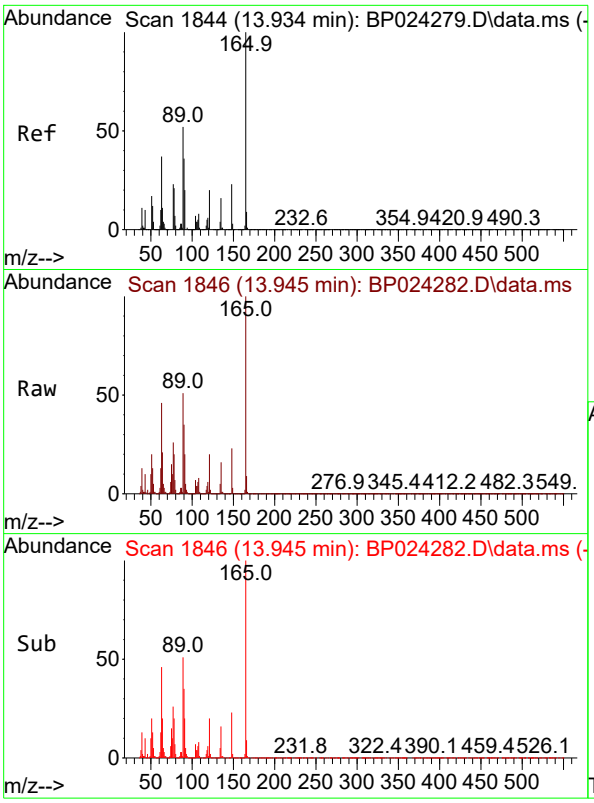


#50
Dimethylphthalate
Concen: 78.201 ng
RT: 13.834 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:163 Resp: 3659579

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0



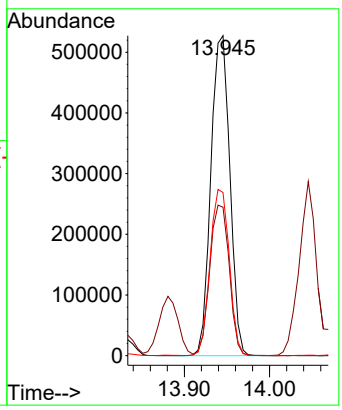


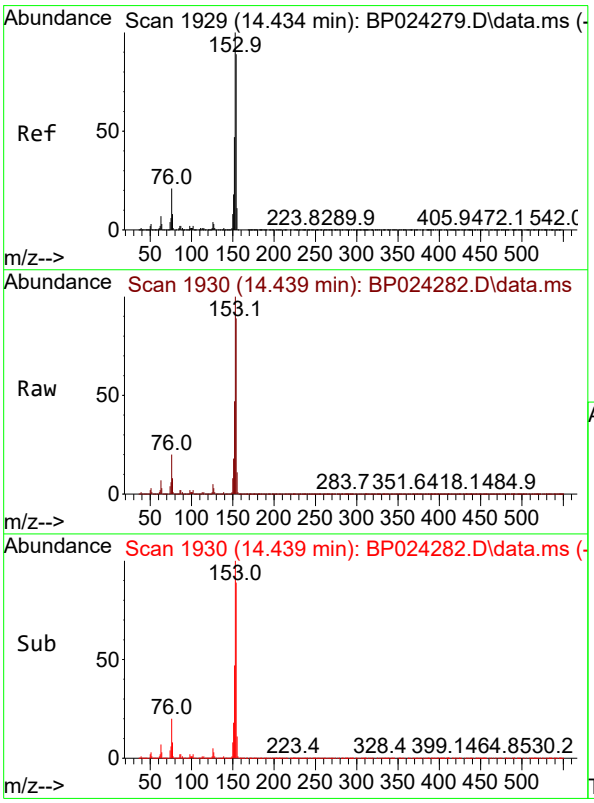
#51
2,6-Dinitrotoluene
Concen: 82.589 ng
RT: 13.945 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 814314

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.0	57.0
89	51.0	41.7	62.5

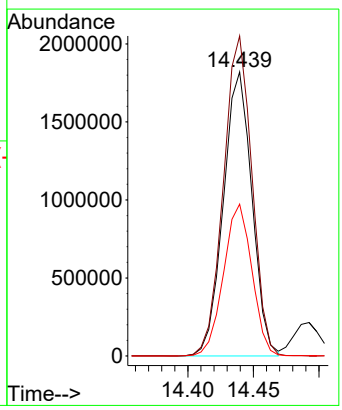


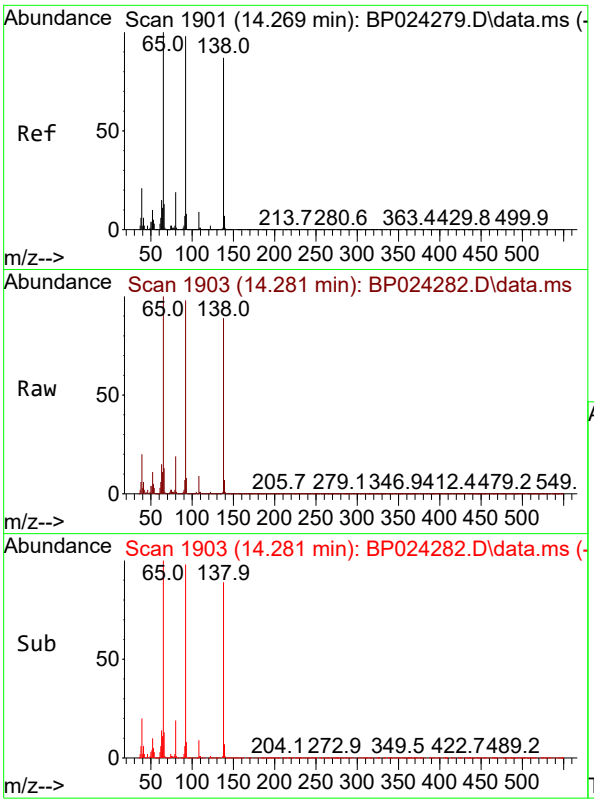


#52
Acenaphthene
Concen: 78.270 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 2761536

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.5	42.6	63.8



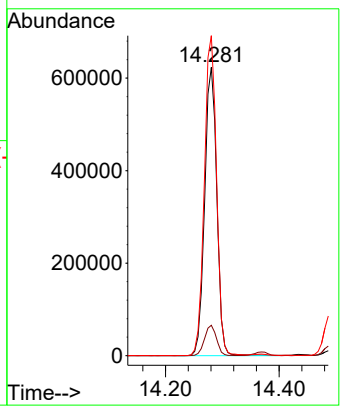


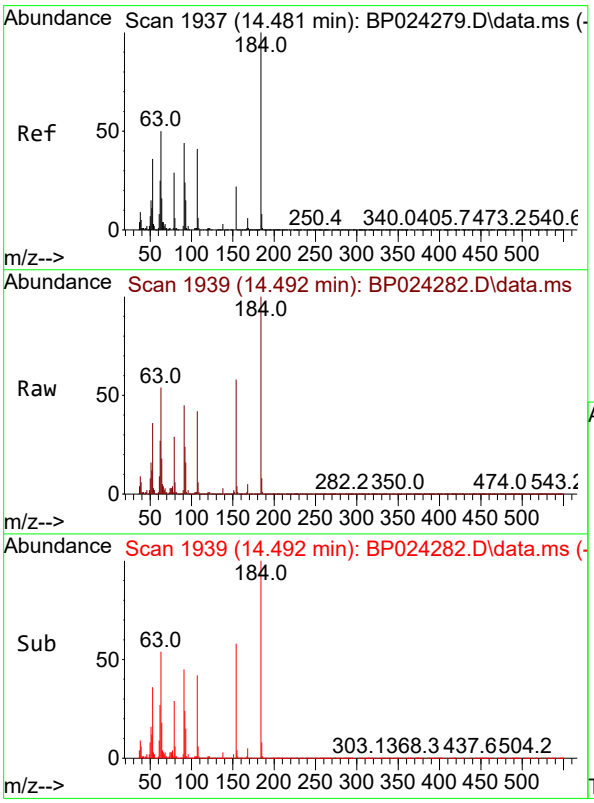
#53
3-Nitroaniline
Concen: 89.913 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 919775

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.0	89.8	134.8

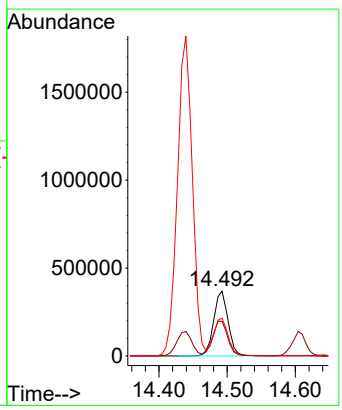


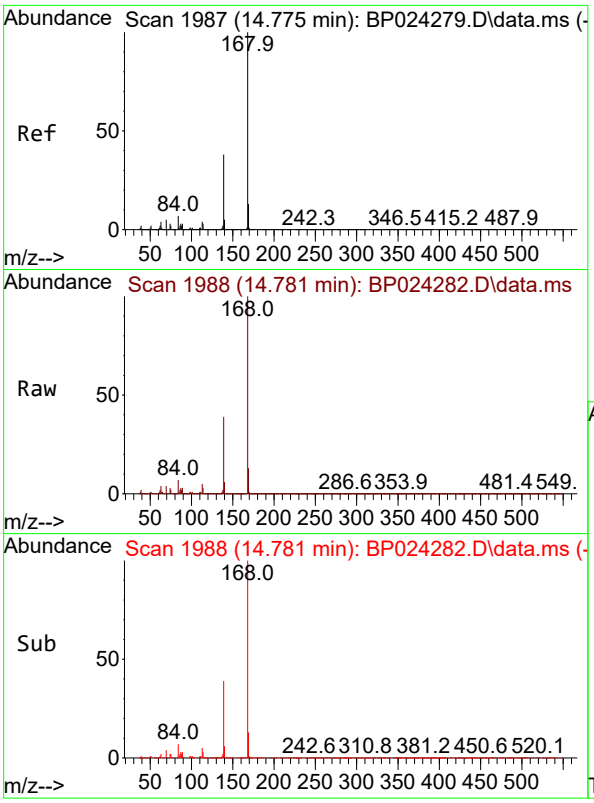


#54
2,4-Dinitrophenol
Concen: 102.567 ng
RT: 14.492 min Scan# 1939
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 541483

Ion	Ratio	Lower	Upper
184	100		
63	53.6	42.6	64.0
154	58.2	47.2	70.8



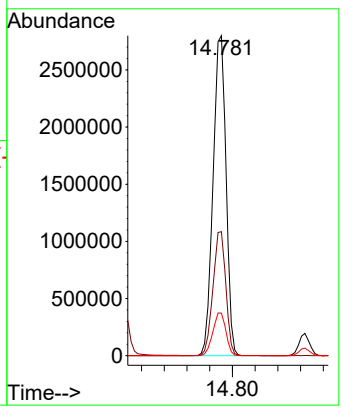


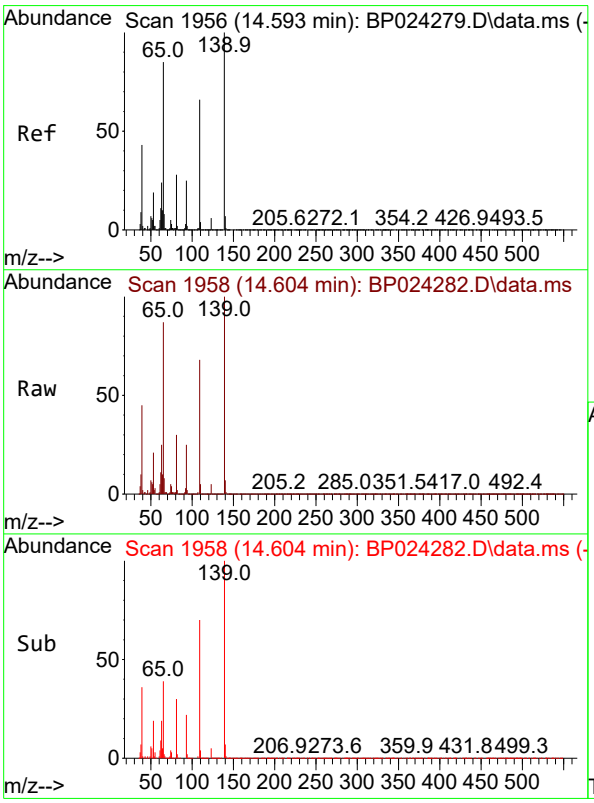
#55
Dibenzofuran
Concen: 76.402 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4420987

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

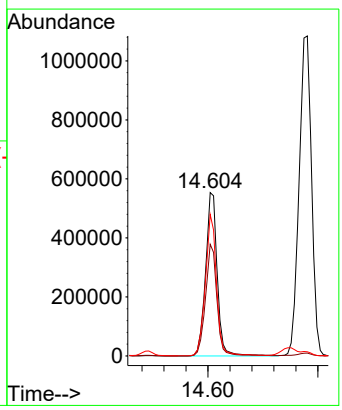


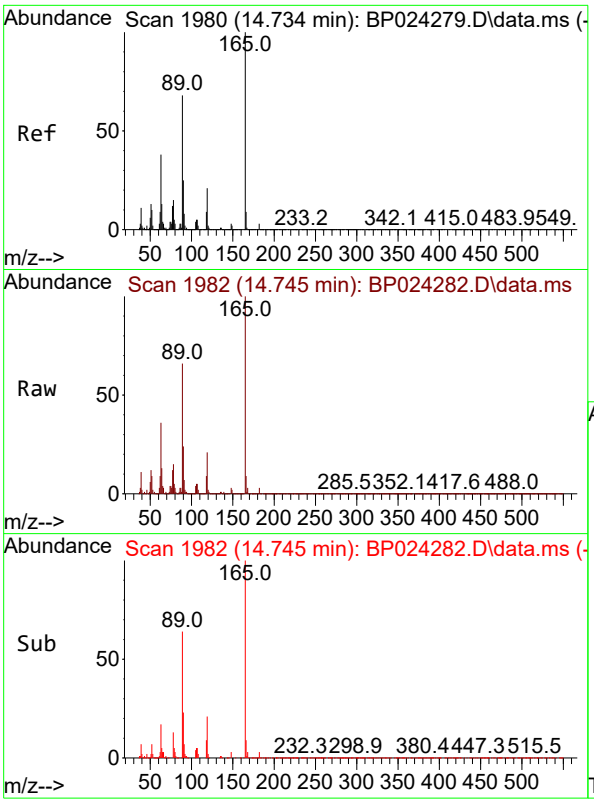


#56
4-Nitrophenol
Concen: 92.599 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 814261

Ion	Ratio	Lower	Upper
139	100		
109	68.4	46.1	86.1
65	86.6	65.0	105.0



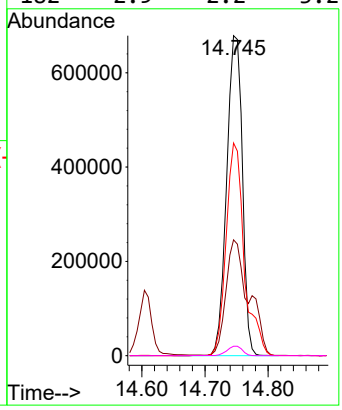


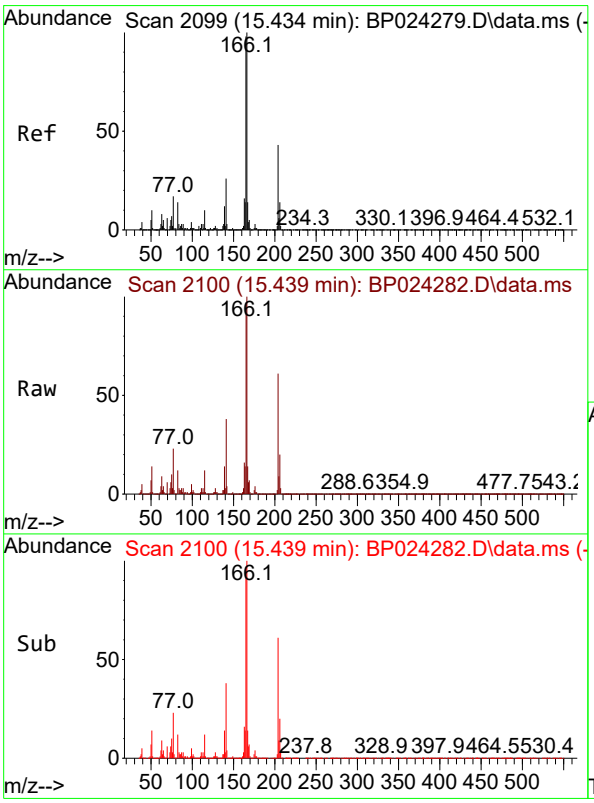
#57
2,4-Dinitrotoluene
Concen: 87.755 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1169554

Ion	Ratio	Lower	Upper
165	100		
63	36.2	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

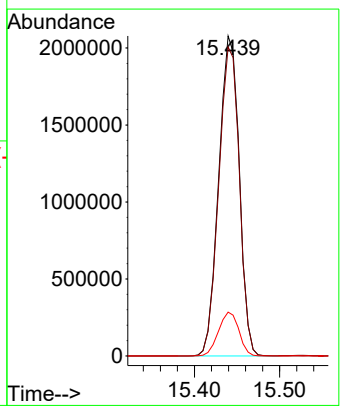


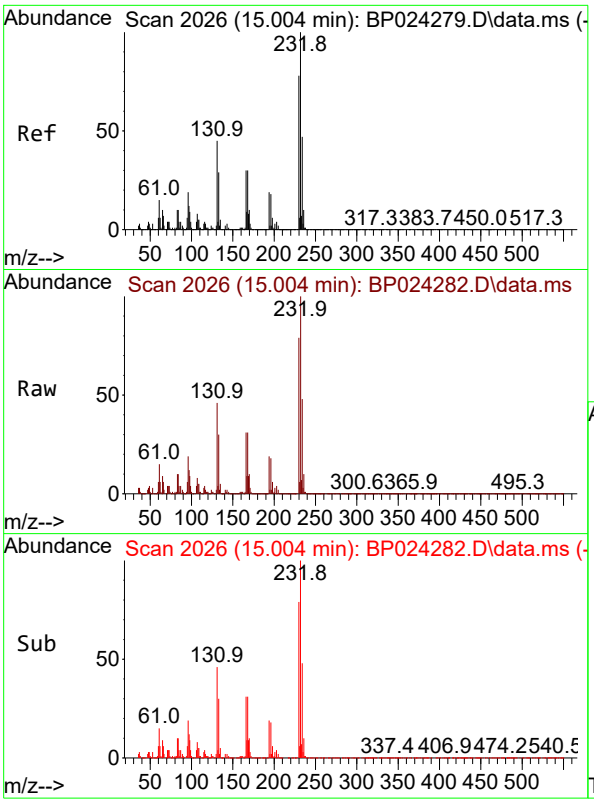


#58
Fluorene
Concen: 77.873 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:166 Resp: 3479094

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	13.7	10.9	16.3



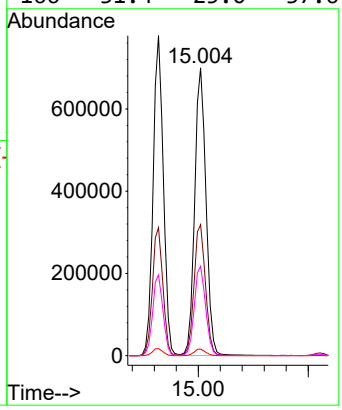


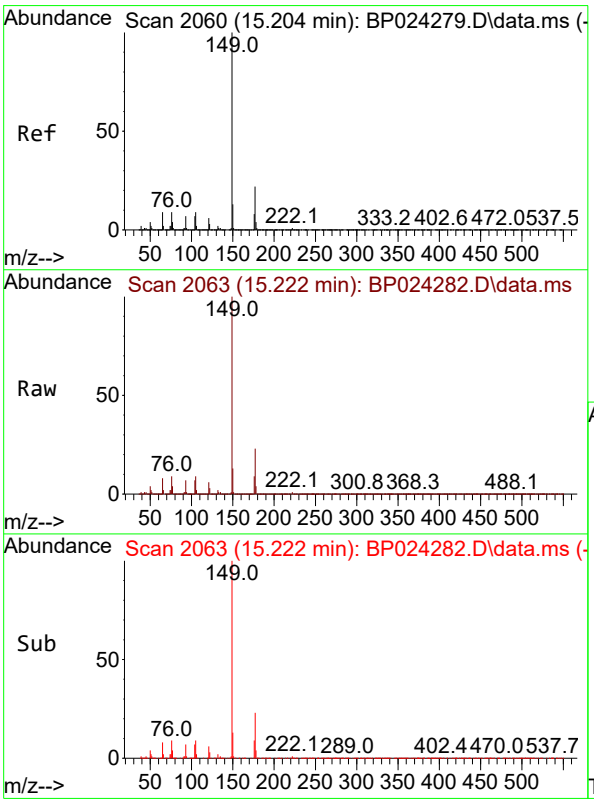
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.031 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 999335

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.8	55.2
130	2.4	1.9	2.9
166	31.4	25.0	37.6

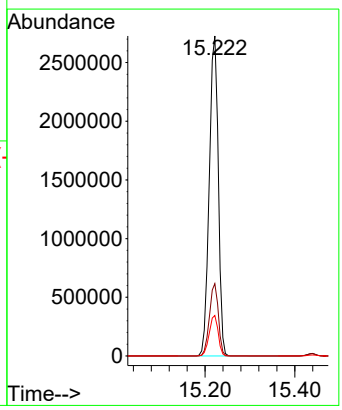


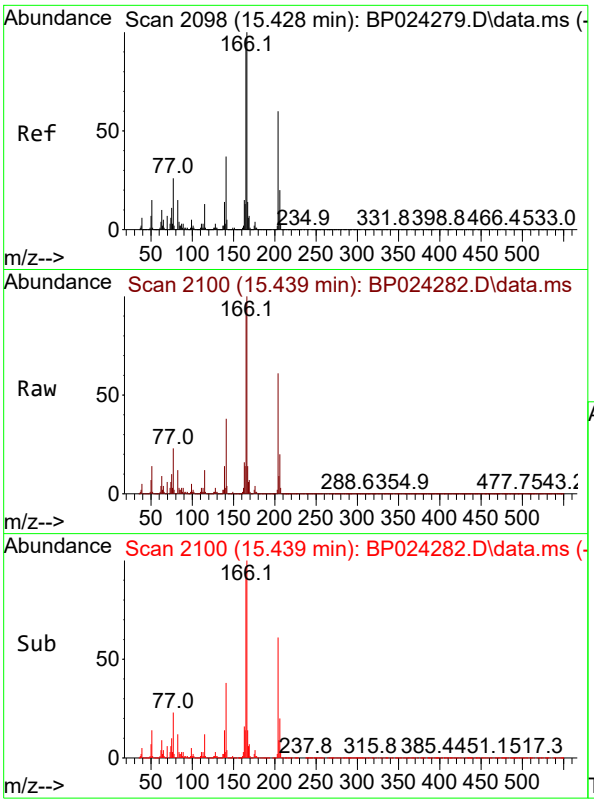


#60
Diethylphthalate
Concen: 78.910 ng
RT: 15.222 min Scan# 2063
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3800651

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	10.1	15.1



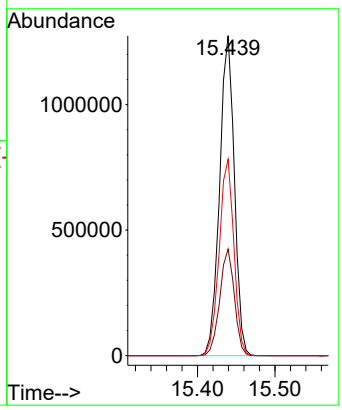


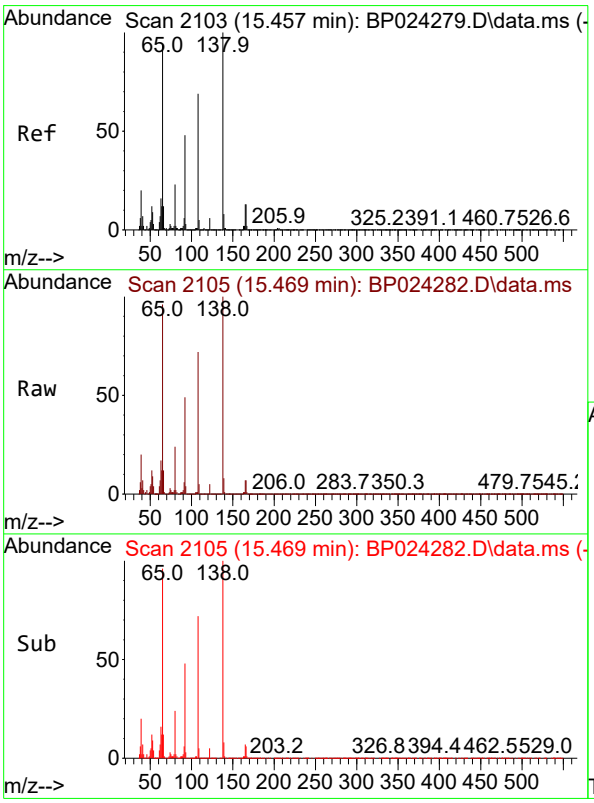
#61
4-Chlorophenyl-phenylether
Concen: 77.881 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1689620

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.4	49.4	74.0

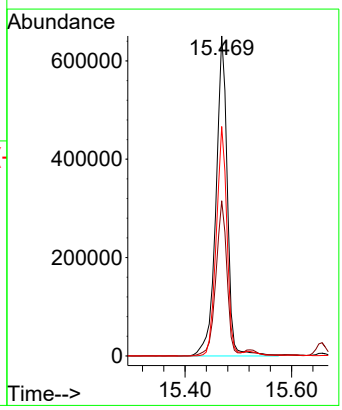


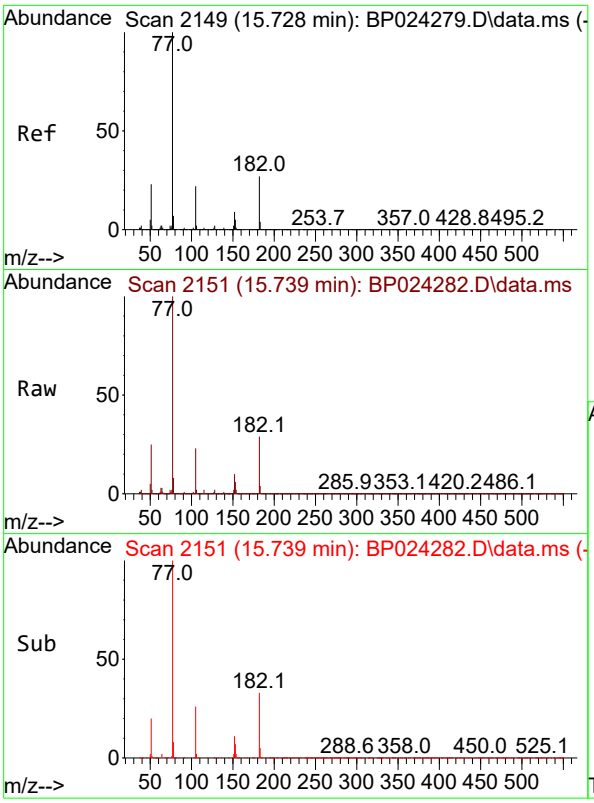


#62
4-Nitroaniline
Concen: 89.063 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:138 Resp: 965926

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	71.7	48.9	88.9



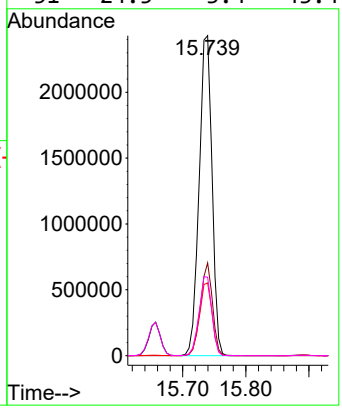


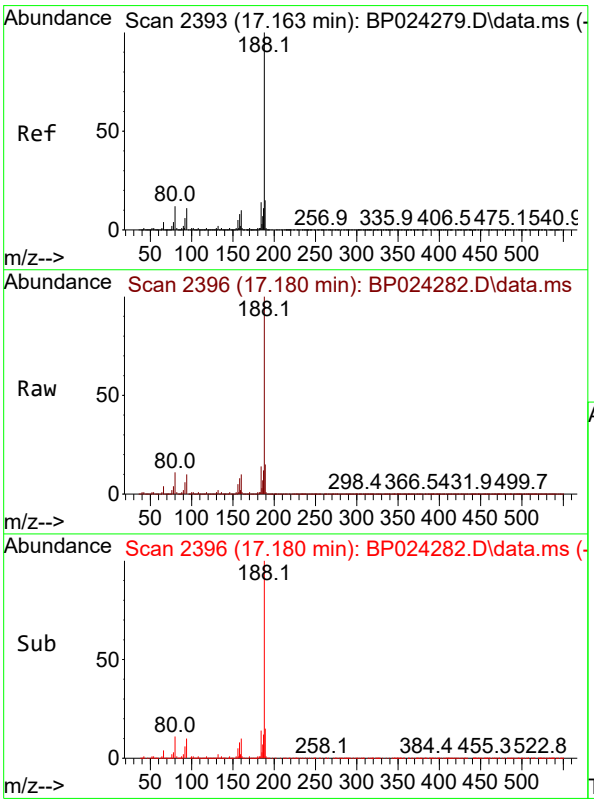
#63
Azobenzene
Concen: 77.741 ng
RT: 15.739 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3448680

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	22.7	2.3	42.3
51	24.5	3.4	43.4

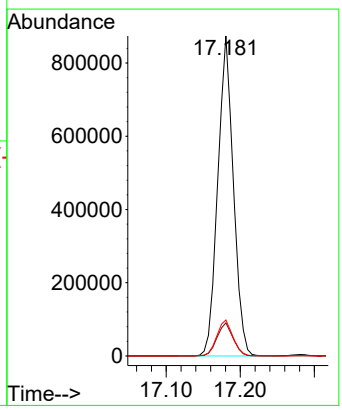


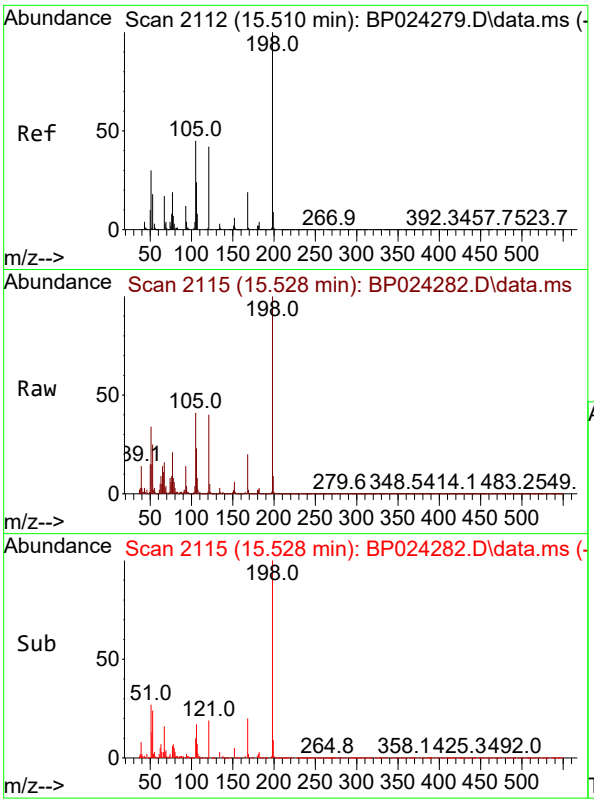


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:188 Resp: 1279313

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.2	9.8	14.6



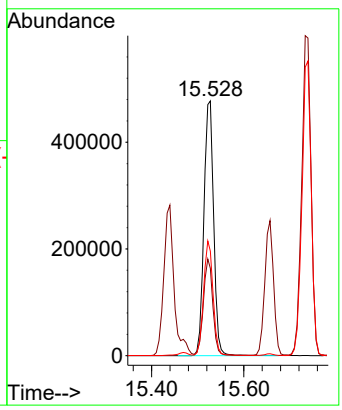


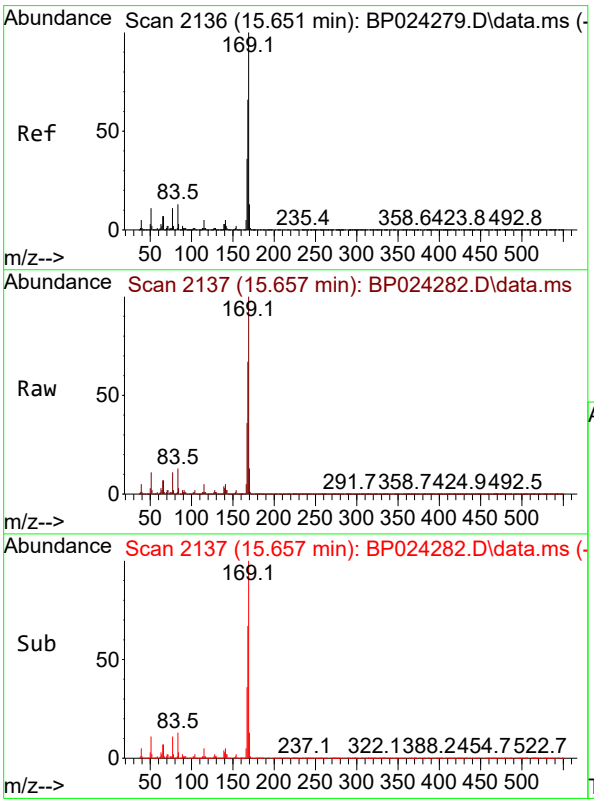
#65
4,6-Dinitro-2-methylphenol
Concen: 94.385 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 705506

Ion	Ratio	Lower	Upper
198	100		
51	34.3	18.4	58.4
105	41.0	26.5	66.5

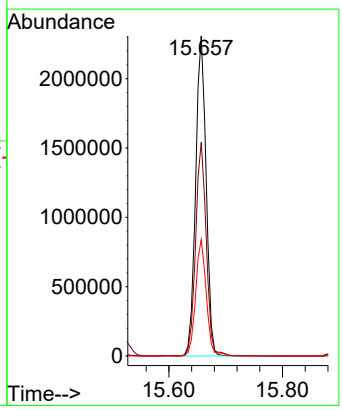


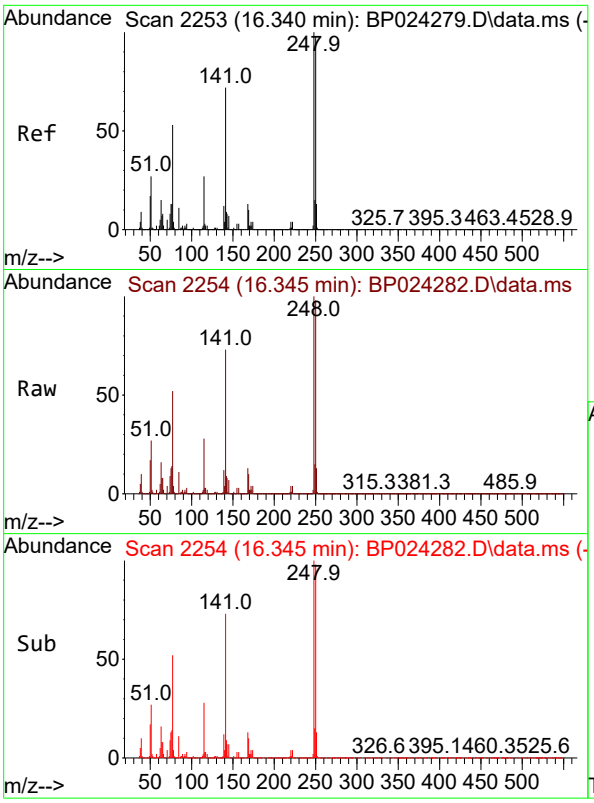


#66
n-Nitrosodiphenylamine
Concen: 77.438 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:169 Resp: 2970516

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.4
167	36.3	28.9	43.3



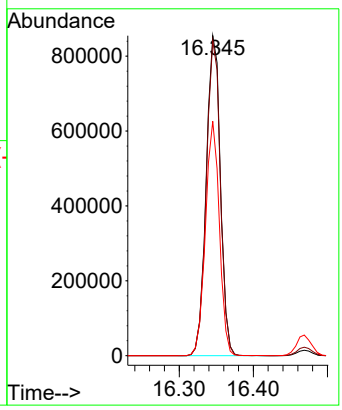


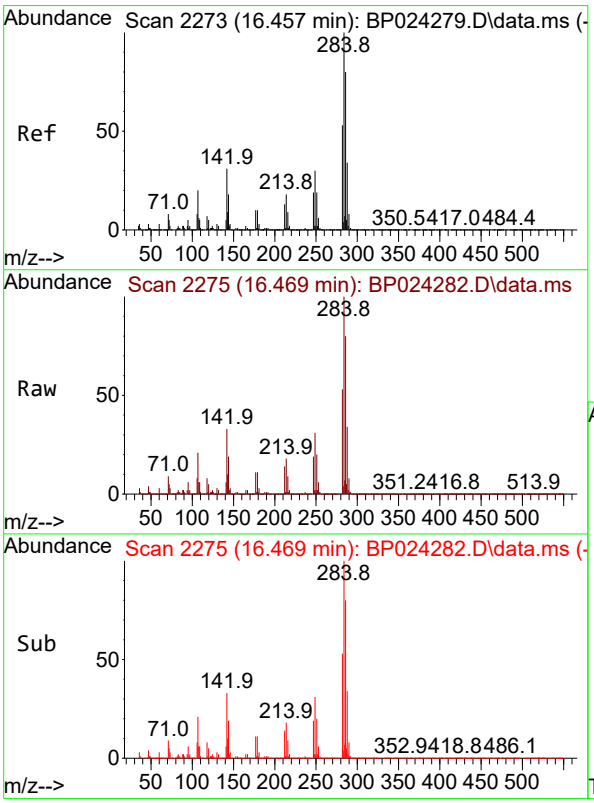
#67
4-Bromophenyl-phenylether
Concen: 81.488 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1137128

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	73.2	57.7	86.5

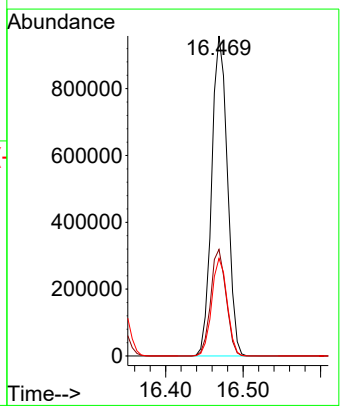


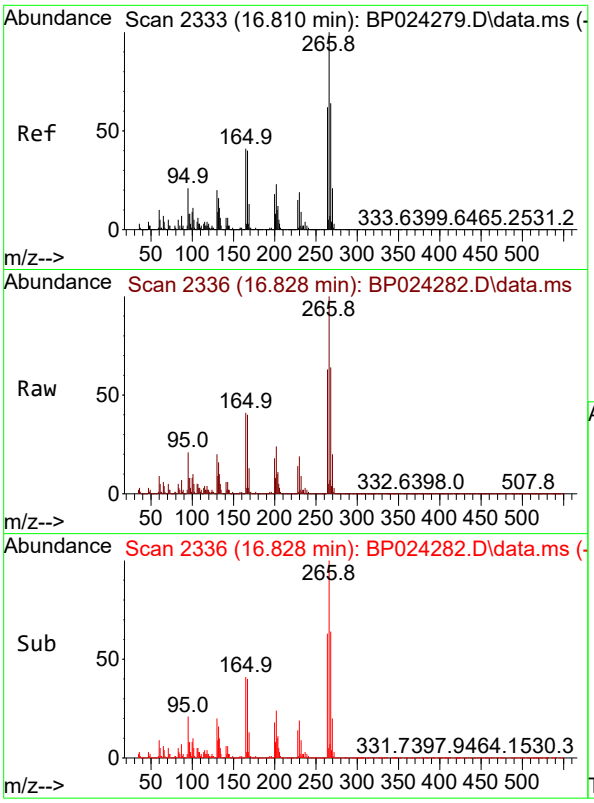


#68
Hexachlorobenzene
Concen: 81.231 ng
RT: 16.469 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:284 Resp: 1347567

Ion	Ratio	Lower	Upper
284	100		
142	33.3	24.6	37.0
249	30.5	23.8	35.6



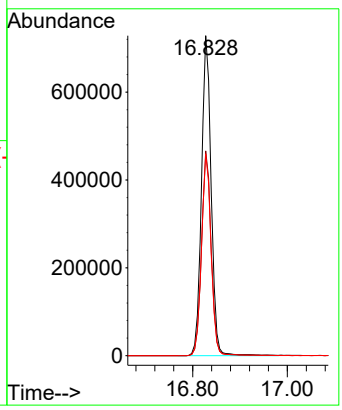


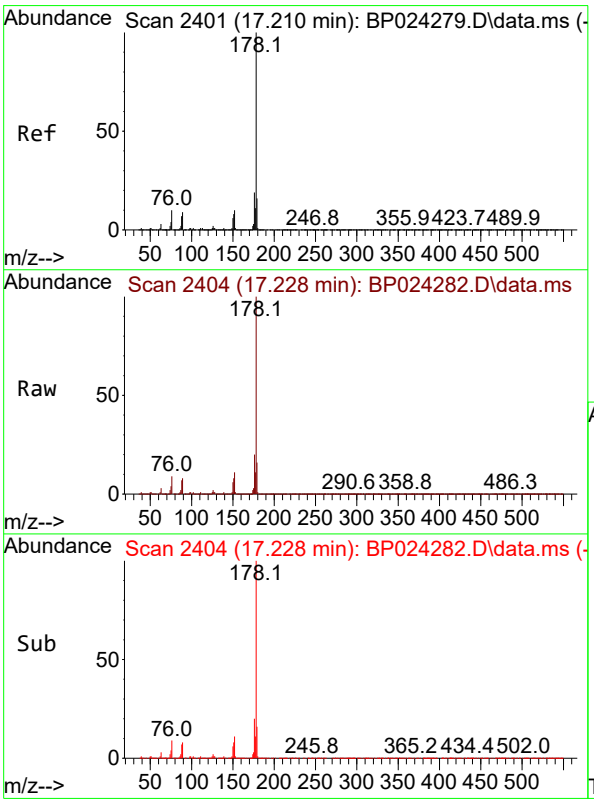
#70
Pentachlorophenol
Concen: 90.221 ng
RT: 16.828 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1027691

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.1	49.8	74.6

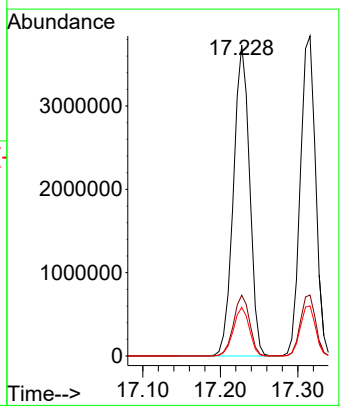


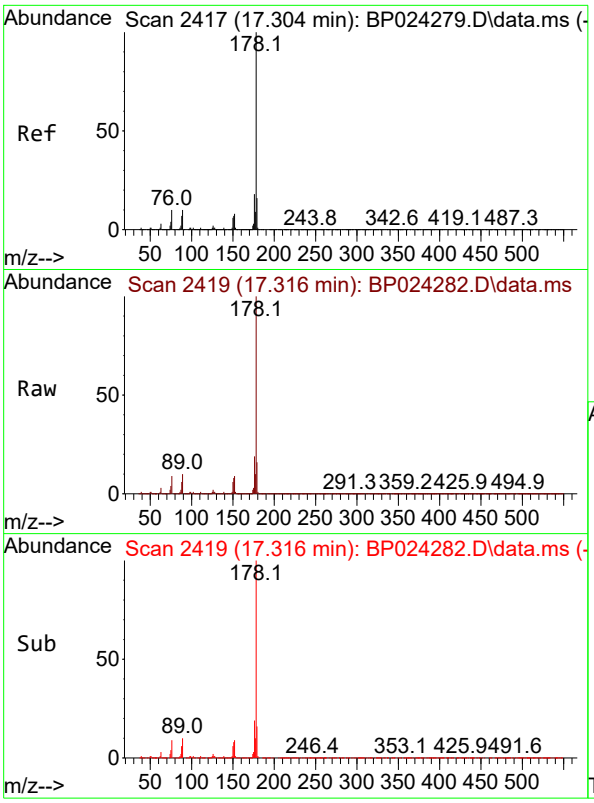


#71
Phenanthrene
Concen: 77.203 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:178 Resp: 5415046

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.5	18.7



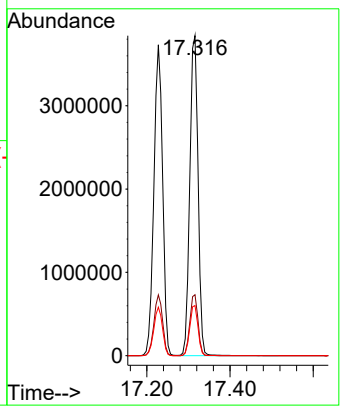


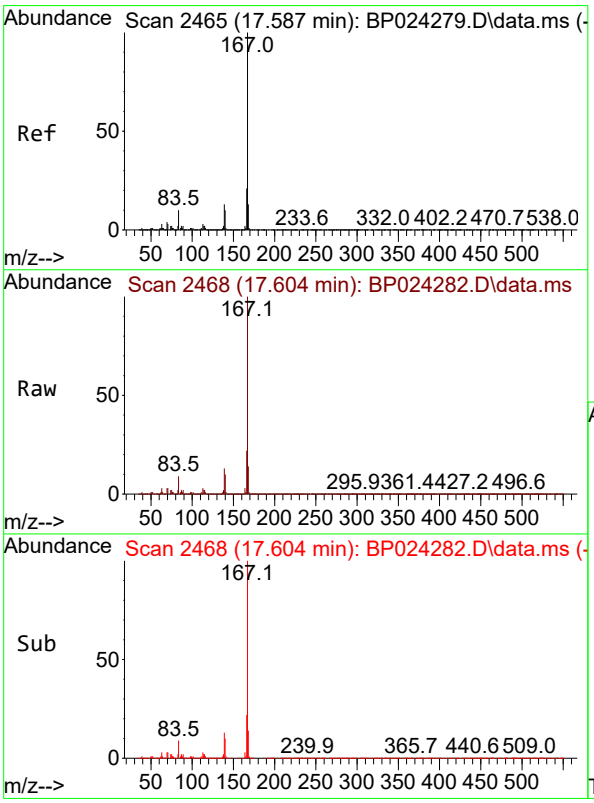
#72
Anthracene
Concen: 78.097 ng
RT: 17.316 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5270987

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6

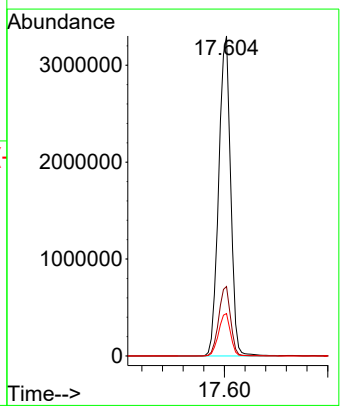


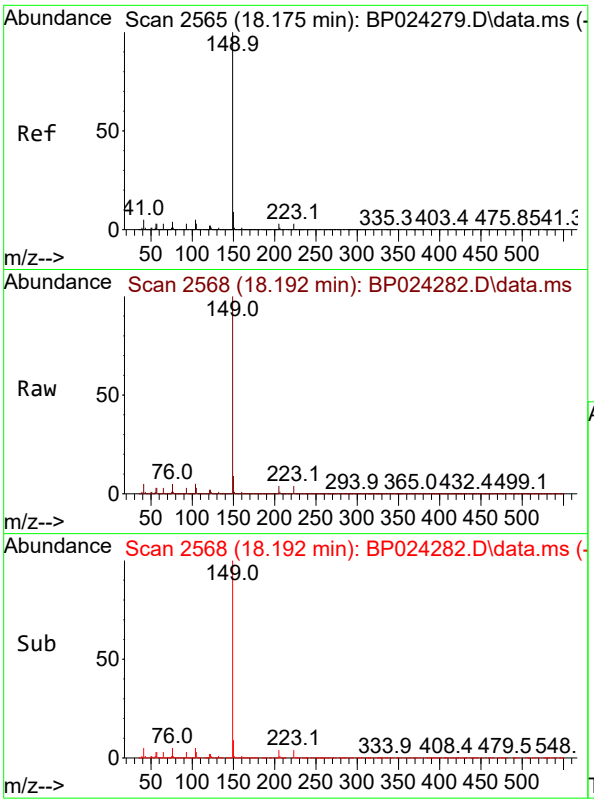


#73
Carbazole
Concen: 80.314 ng
RT: 17.604 min Scan# 2468
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:167 Resp: 5275449

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.2	10.6	16.0



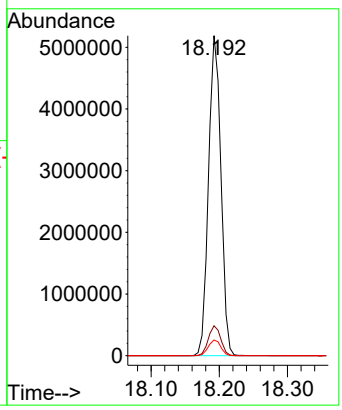


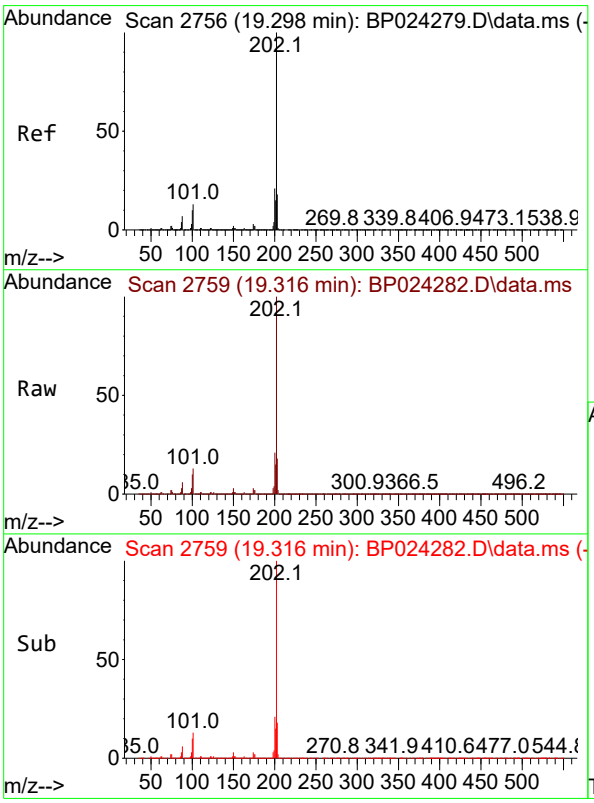
#74
Di-n-butylphthalate
Concen: 80.266 ng
RT: 18.192 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6569078

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9

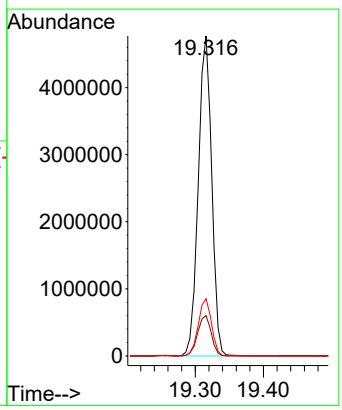


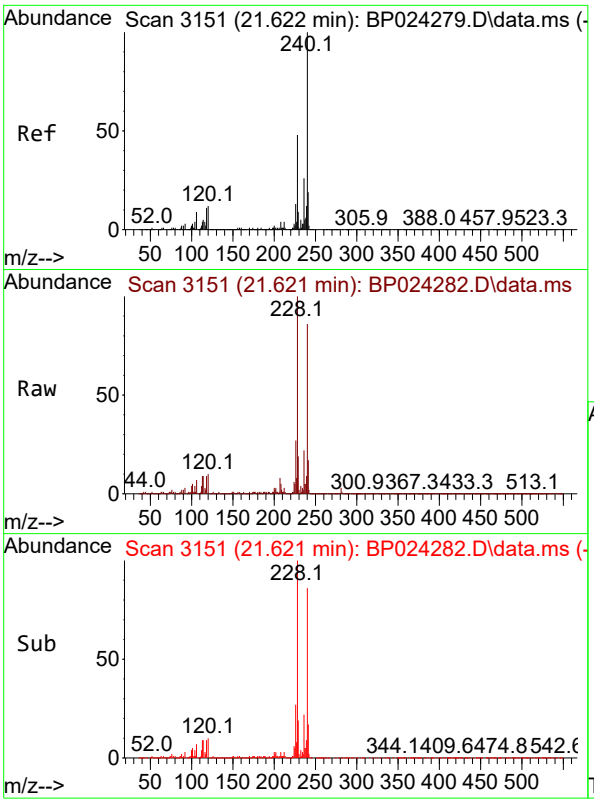


#75
Fluoranthene
Concen: 78.322 ng
RT: 19.316 min Scan# 2759
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:202 Resp: 6520527

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.9	0.0	37.7



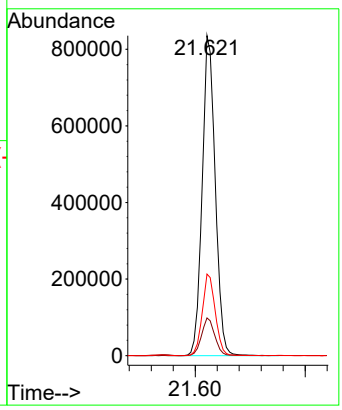


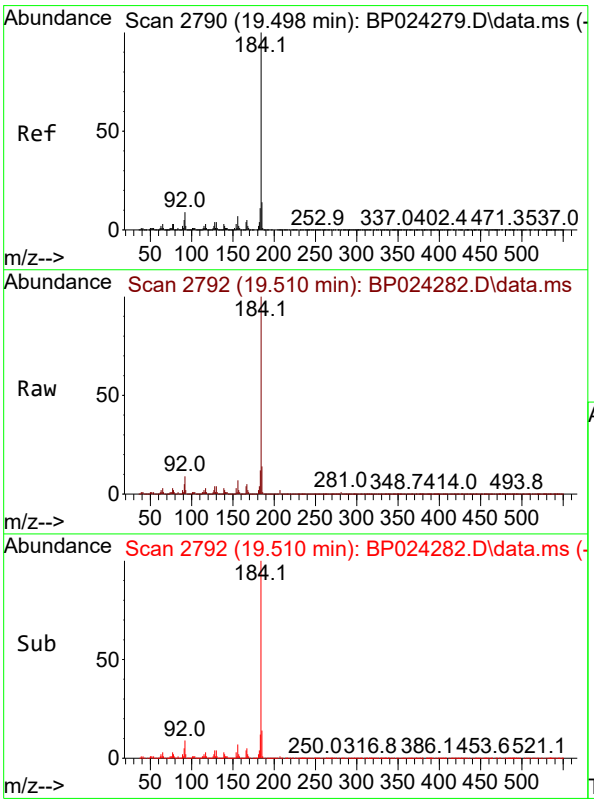
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1378105

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.5	20.9	31.3

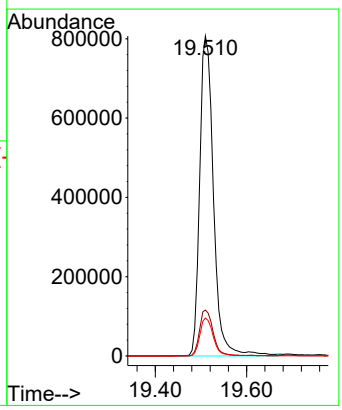


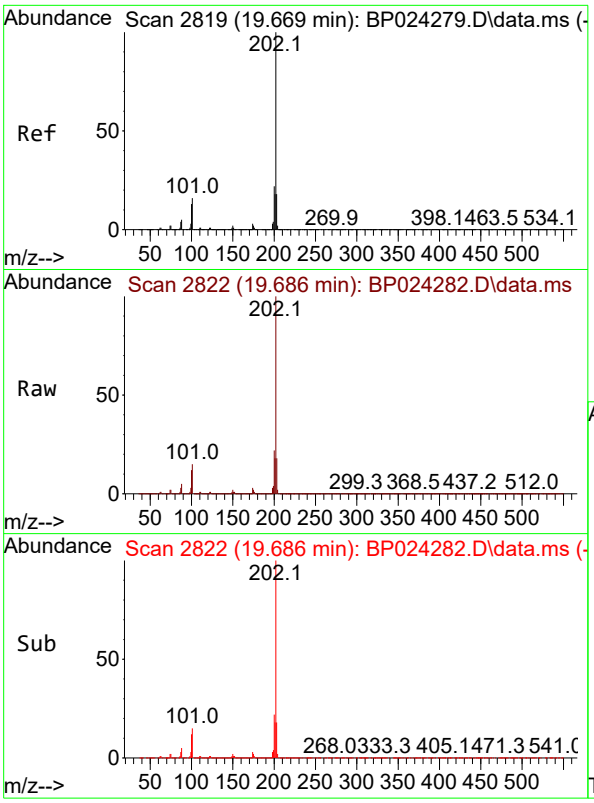


#77
Benzidine
Concen: 99.624 ng m
RT: 19.510 min Scan# 2792
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 1694694

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8



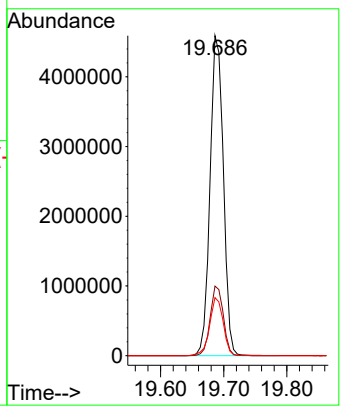


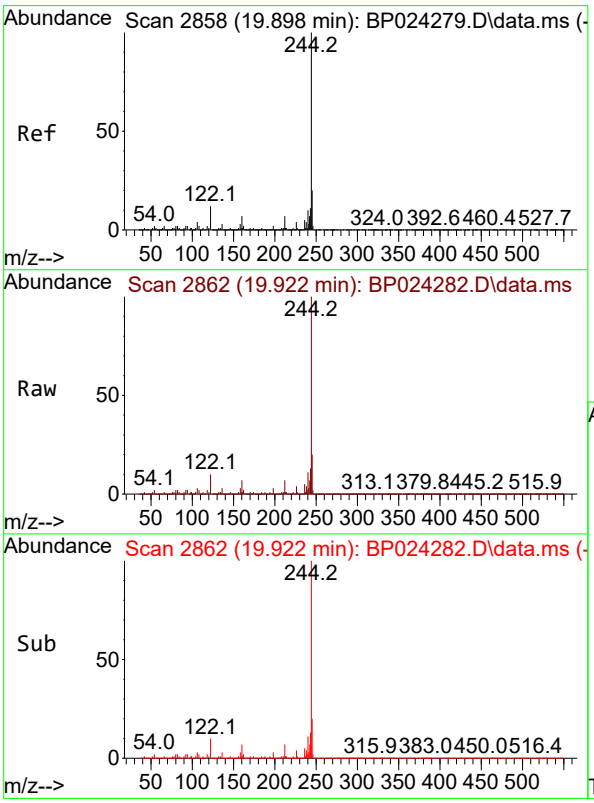
#78
Pyrene
Concen: 76.195 ng
RT: 19.686 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6718789

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.1	14.4	21.6

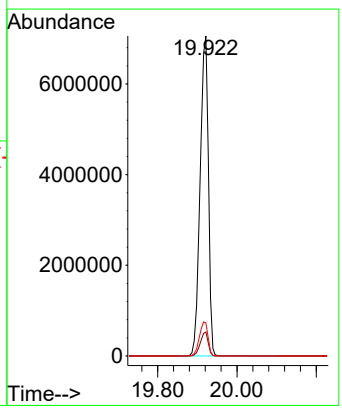


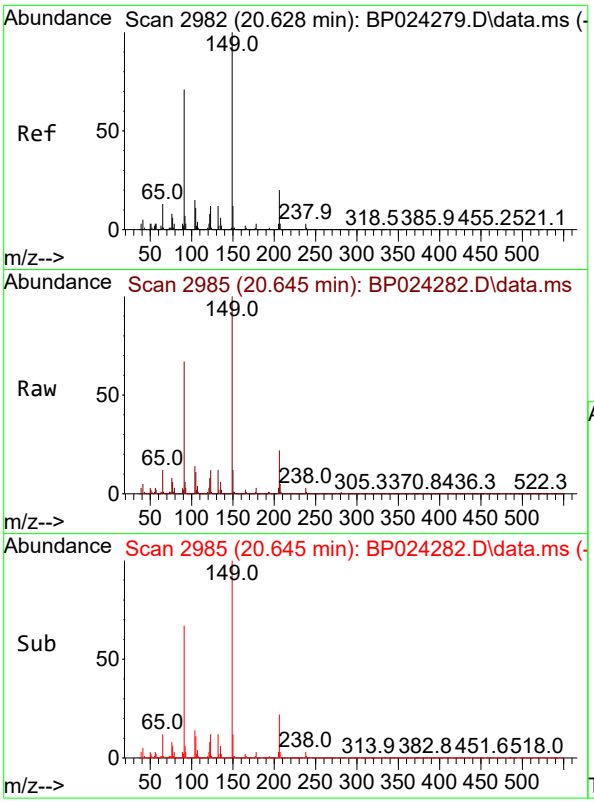


#79
Terphenyl-d14
Concen: 147.678 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.023 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:244 Resp:10209149

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.4	9.4	14.0



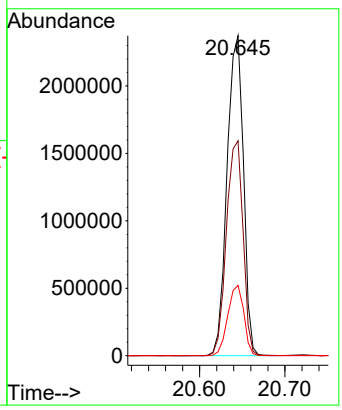


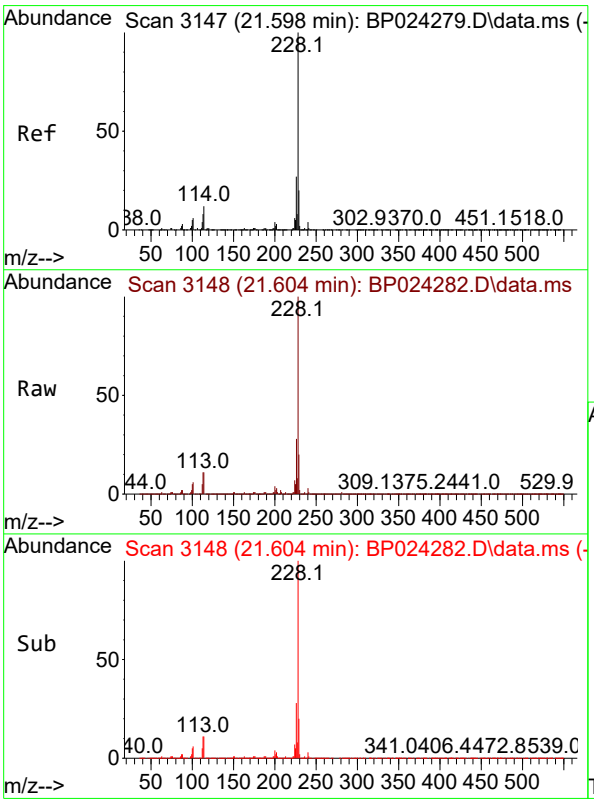
#80
Butylbenzylphthalate
Concen: 85.104 ng
RT: 20.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3163633

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.0	16.3	24.5

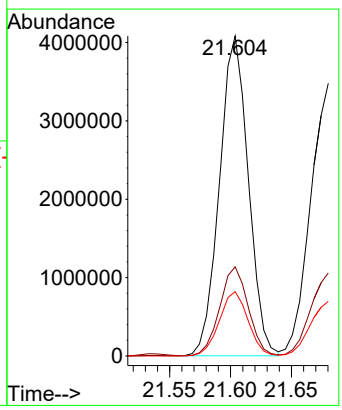


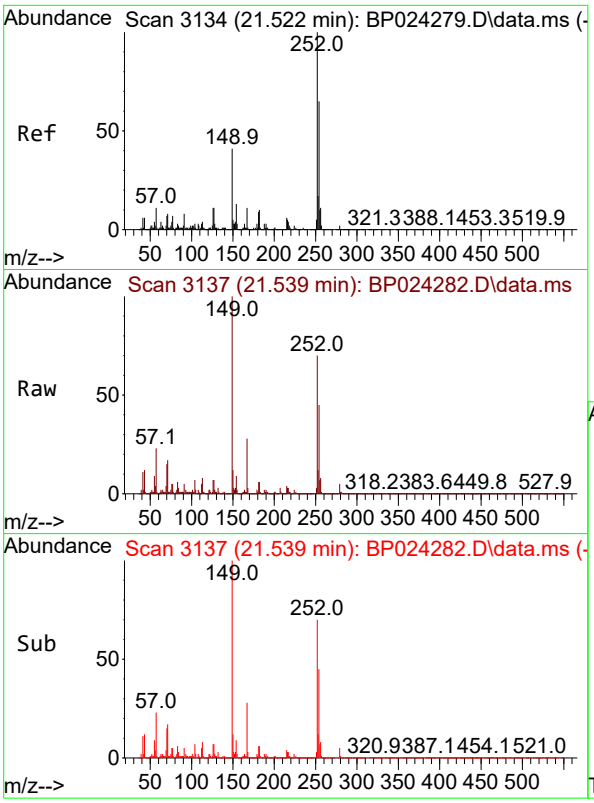


#81
Benzo(a)anthracene
Concen: 78.335 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6729971

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.1	15.9	23.9



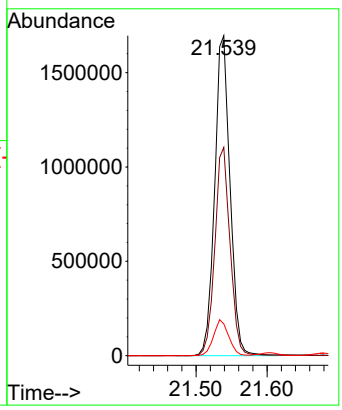


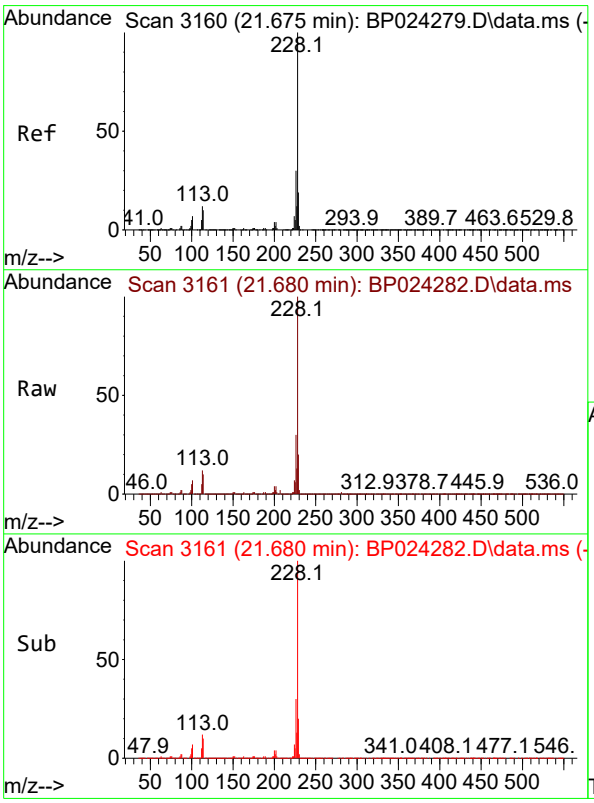
#82
3,3'-Dichlorobenzidine
Concen: 85.143 ng
RT: 21.539 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2536509

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2

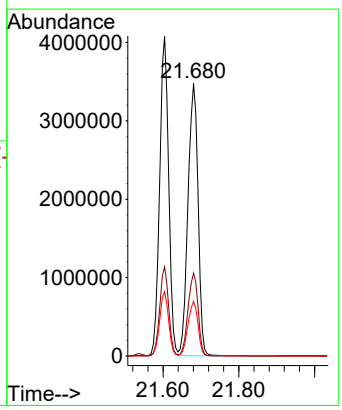


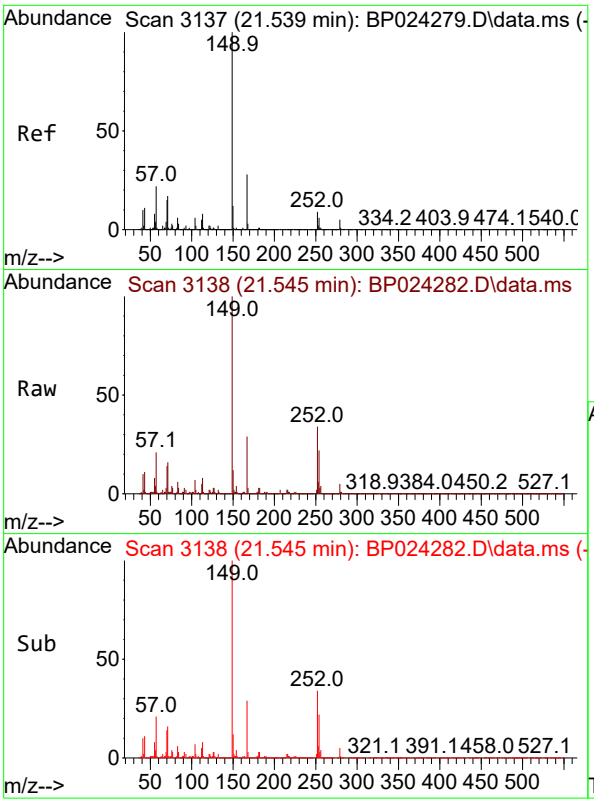


#83
Chrysene
Concen: 78.130 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6433173

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.6	23.4



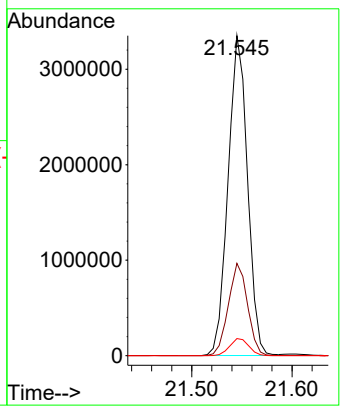


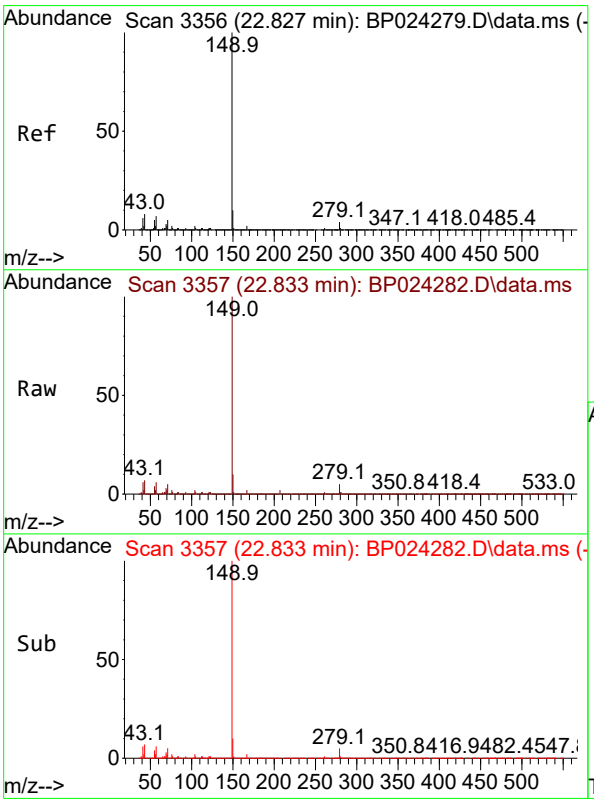
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.506 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4516949

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.4	33.6
279	5.4	4.0	6.0

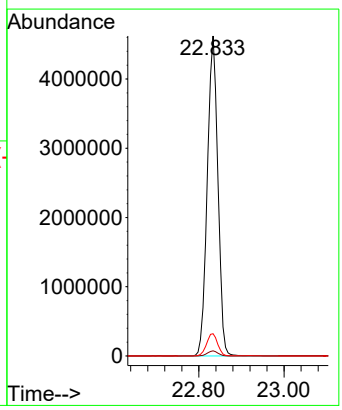


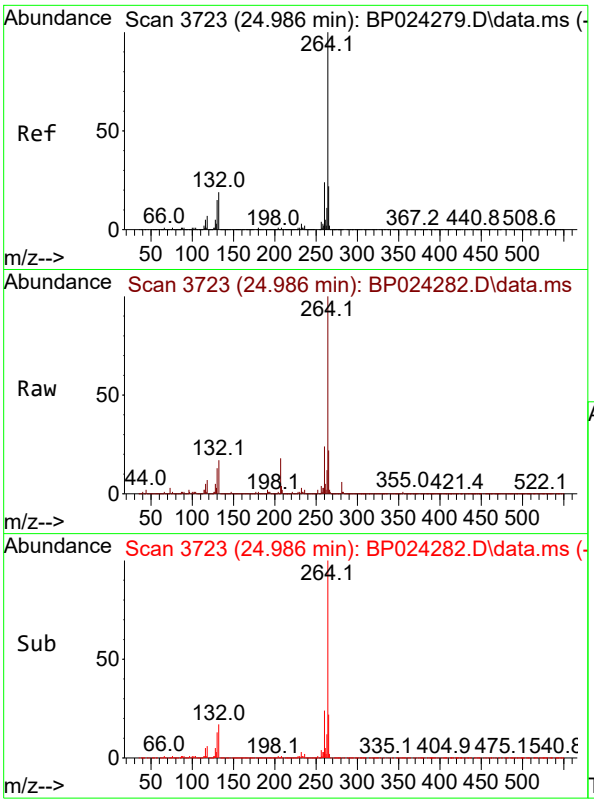


#85
Di-n-octyl phthalate
Concen: 90.878 ng
RT: 22.833 min Scan# 3357
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 7969779

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.3	6.0	9.0



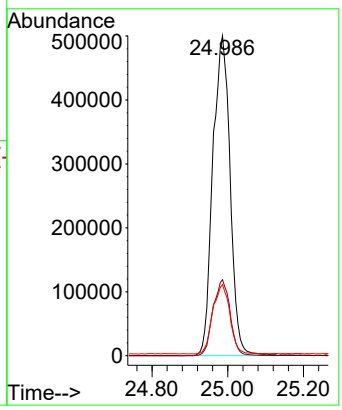


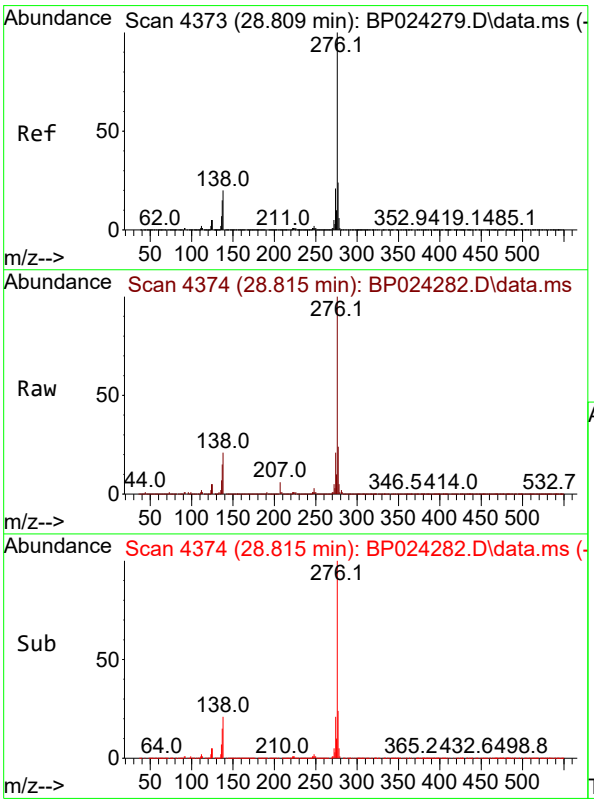
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1583281

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.8	26.6

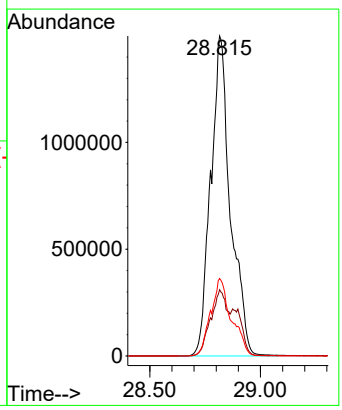


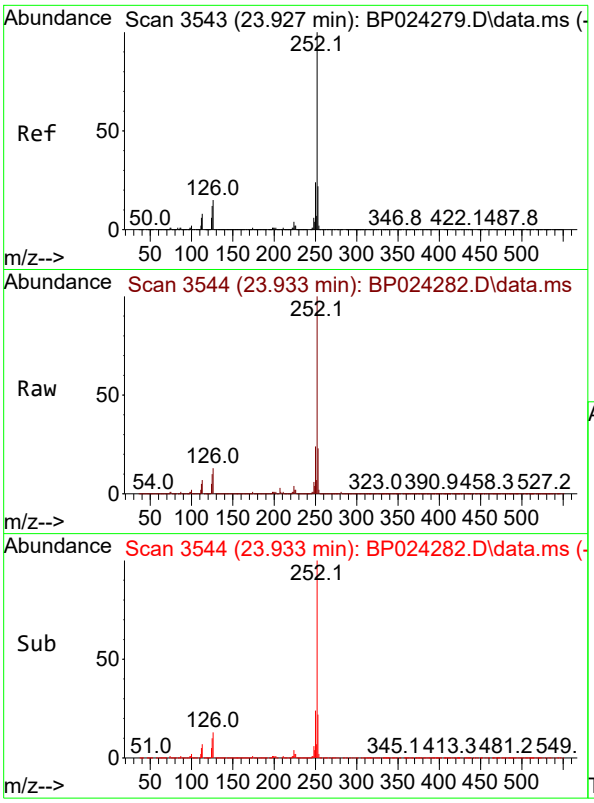


#87
Indeno(1,2,3-cd)pyrene
Concen: 85.280 ng
RT: 28.815 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:276 Resp: 9286186

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.5	21.7
277	25.4	20.2	30.2



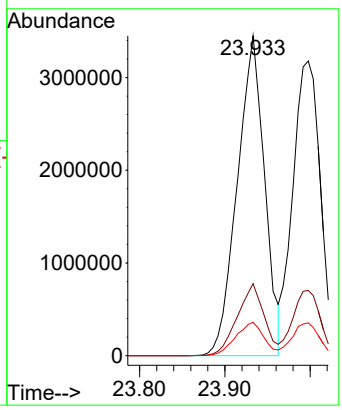


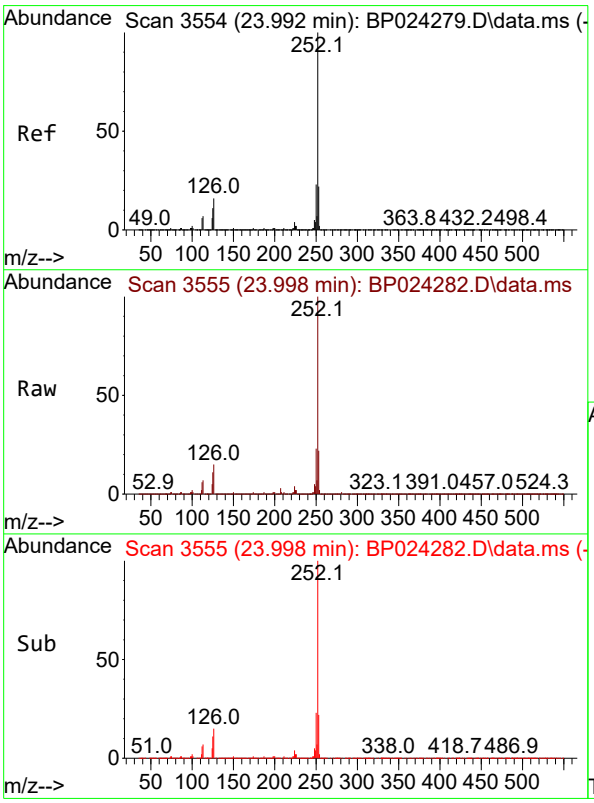
#88
Benzo(b)fluoranthene
Concen: 81.051 ng
RT: 23.933 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7677613

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.4	9.4	14.0

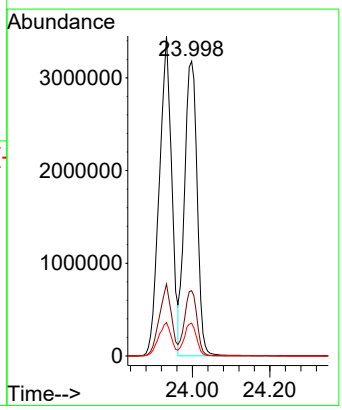


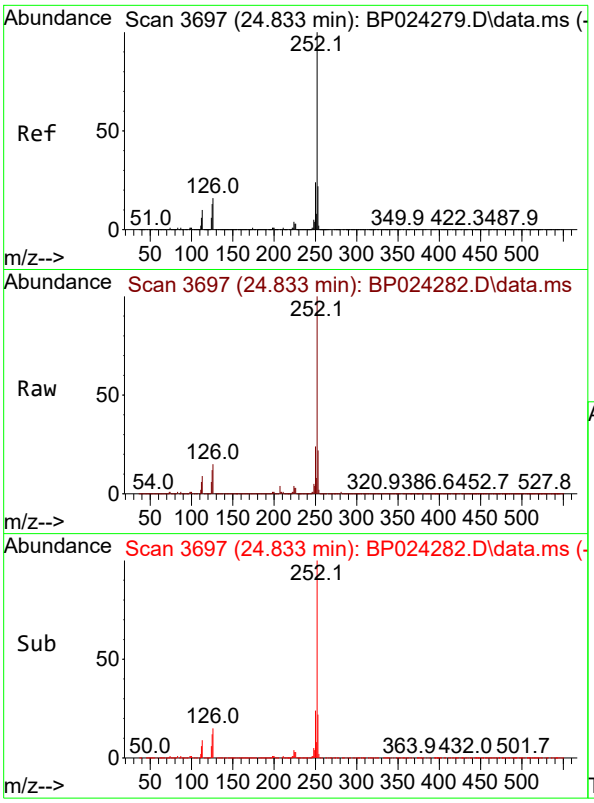


#89
Benzo(k)fluoranthene
Concen: 78.395 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 7207214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



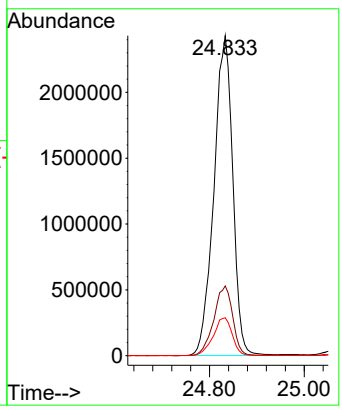


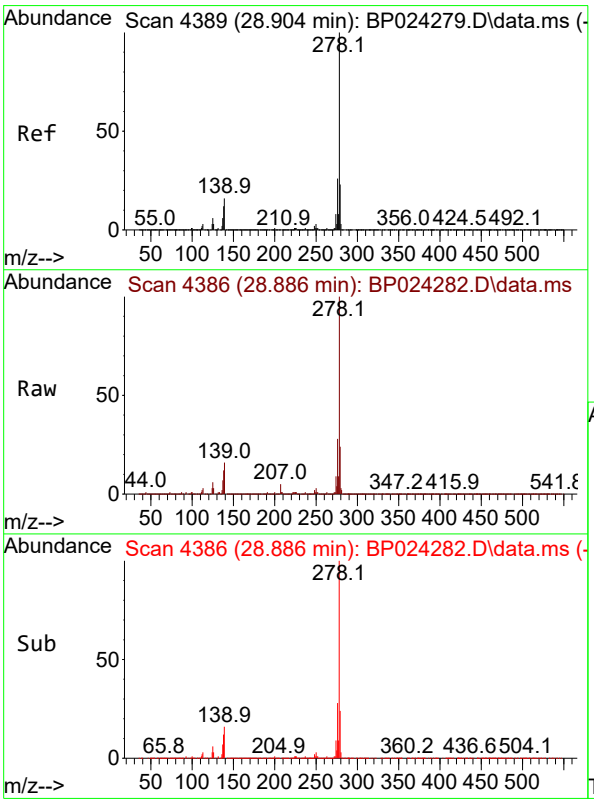
#90
Benzo(a)pyrene
Concen: 82.211 ng
RT: 24.833 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6703562

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

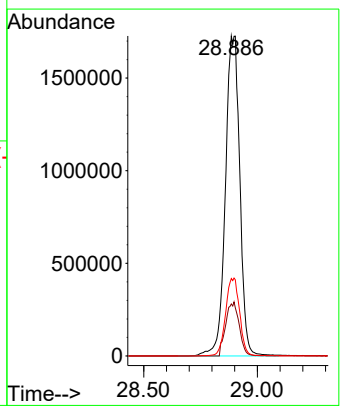


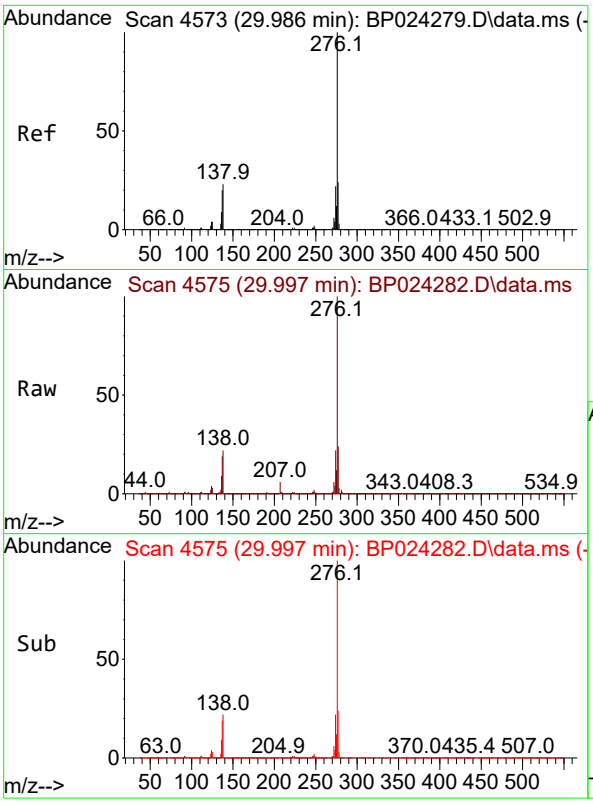


#91
Dibenzo(a,h)anthracene
Concen: 84.071 ng
RT: 28.886 min Scan# 4386
Delta R.T. -0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:278 Resp: 7614901

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.2	18.5	27.7



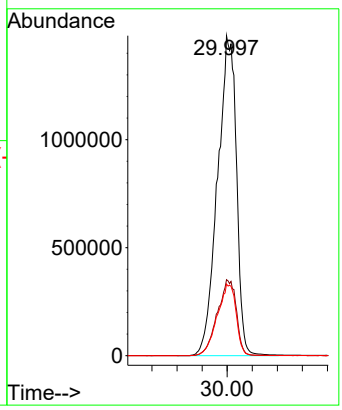


#92
Benzo(g,h,i)perylene
Concen: 84.072 ng
RT: 29.997 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7750941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

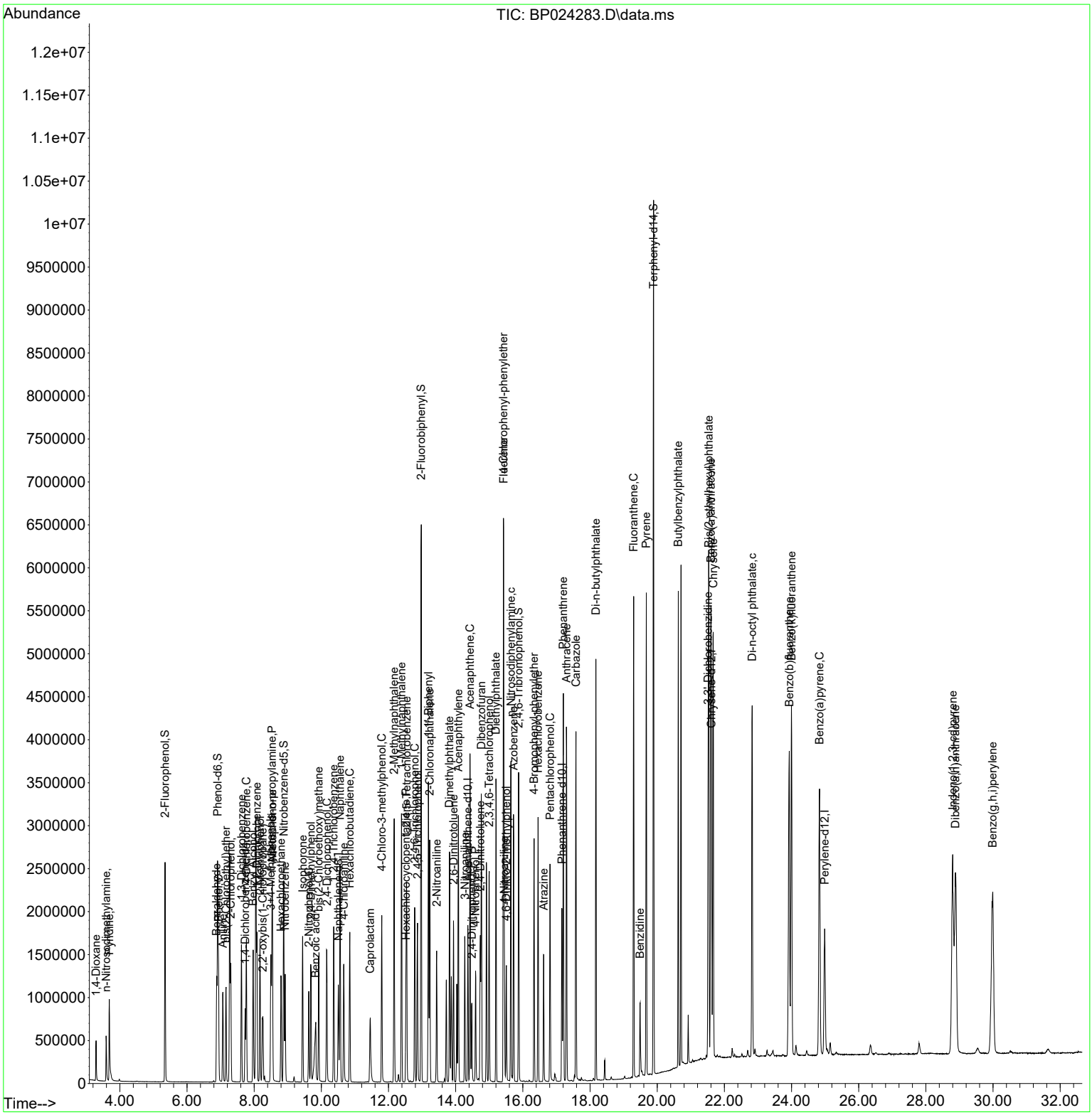
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

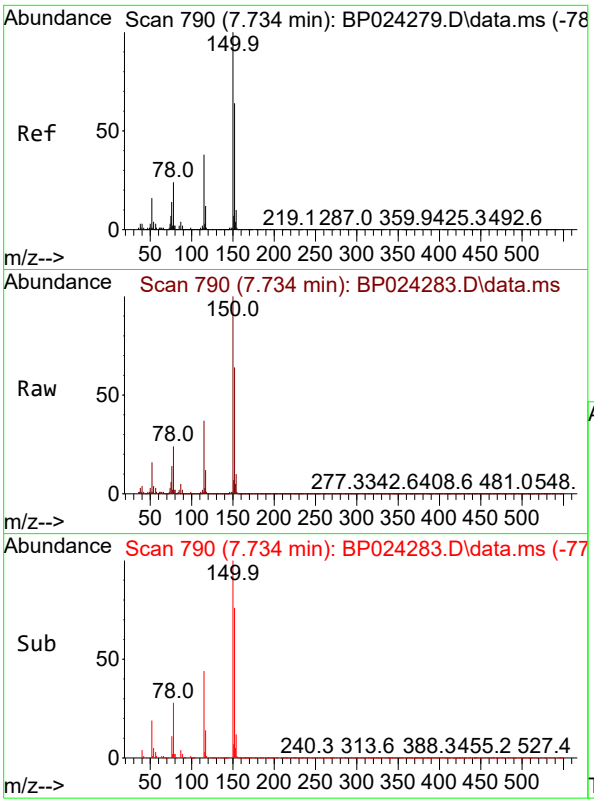
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



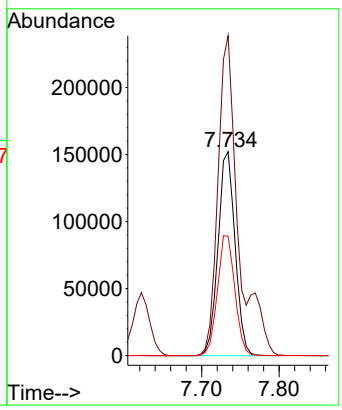


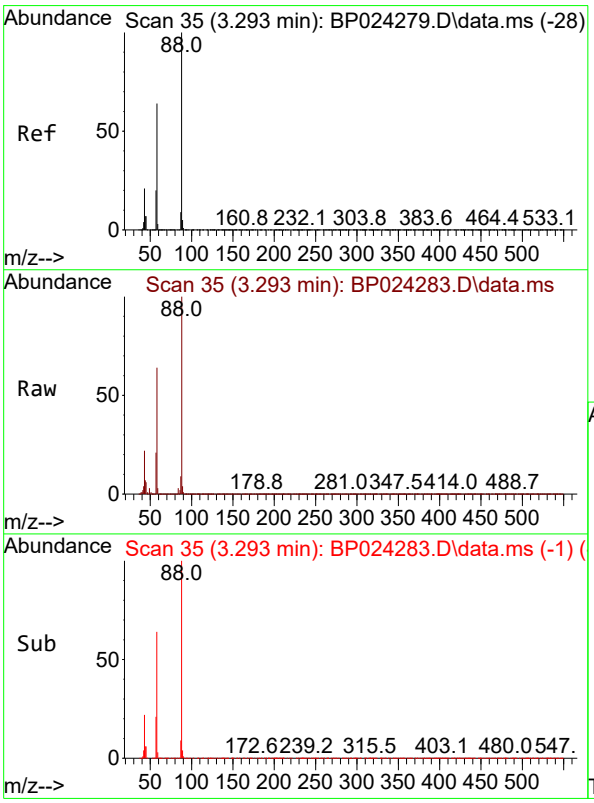
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 232241

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	58.6	47.7	71.5

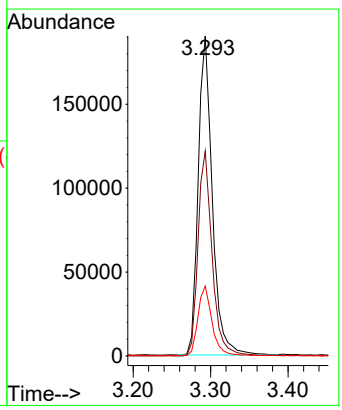


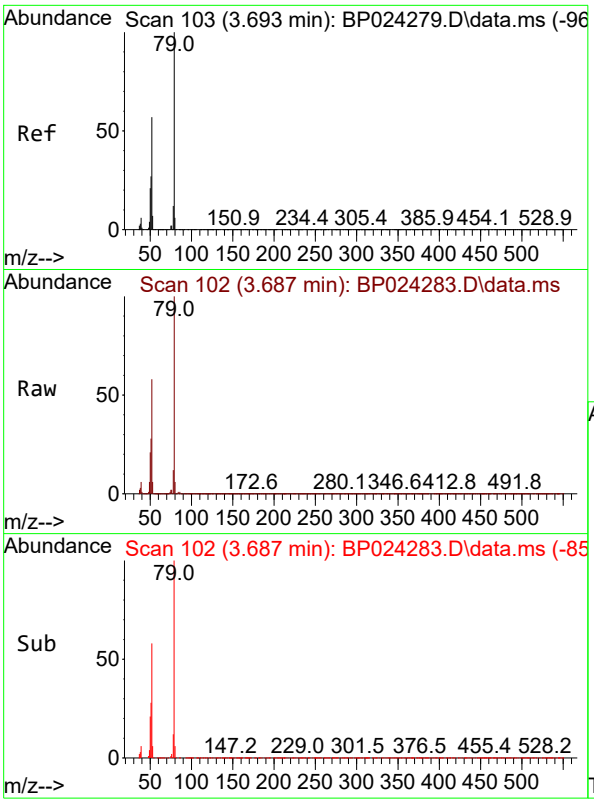


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 88 Resp: 240091

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.7	17.1	25.7



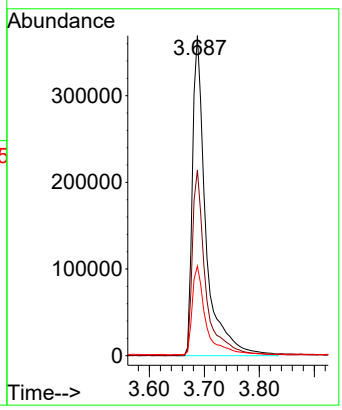


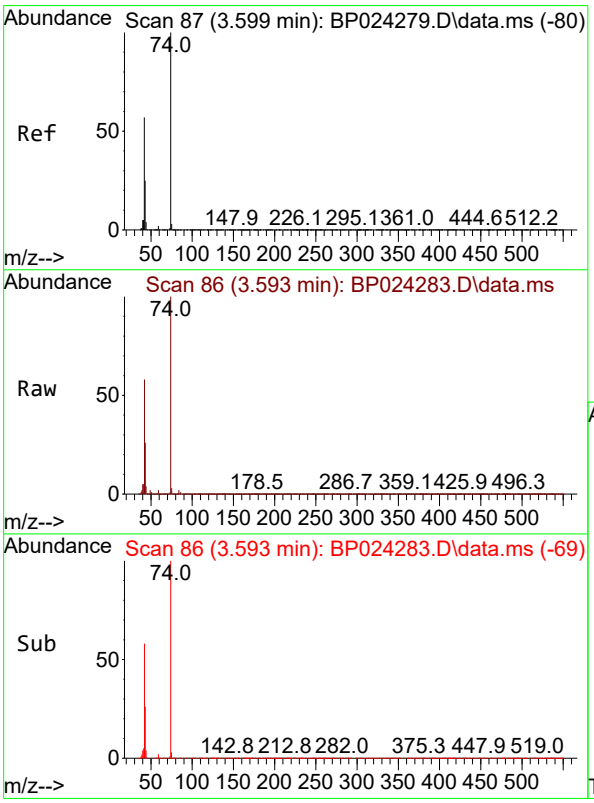
#3
Pyridine
Concen: 39.955 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 626813

Ion	Ratio	Lower	Upper
79	100		
52	58.1	45.4	68.2
51	28.0	22.6	33.8

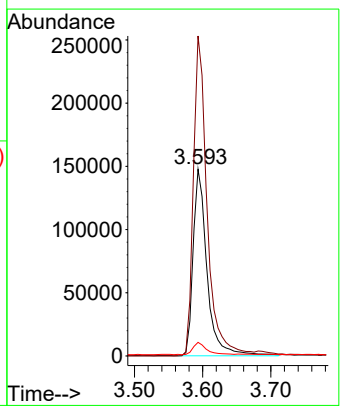


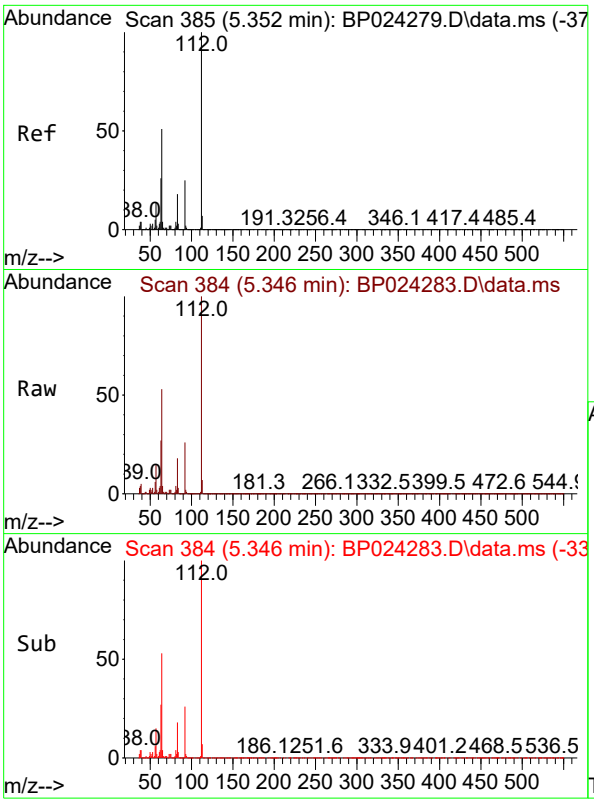


#4
n-Nitrosodimethylamine
Concen: 40.205 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 42 Resp: 209326

Ion	Ratio	Lower	Upper
42	100		
74	171.4	139.5	209.3
44	7.3	5.8	8.8



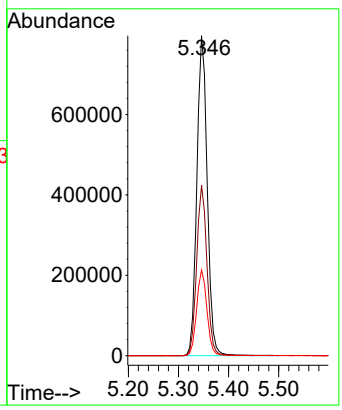


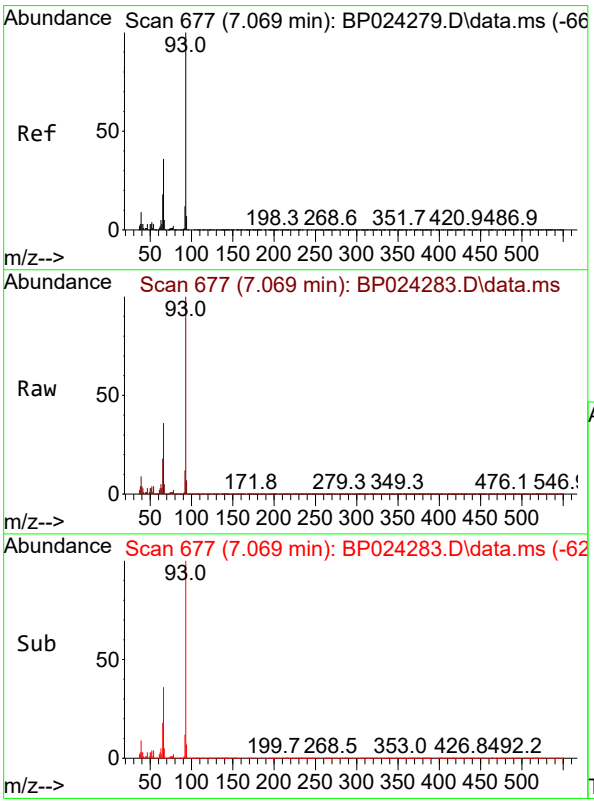
#5
2-Fluorophenol
Concen: 81.302 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:112 Resp: 1141956

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	26.8	20.6	30.8

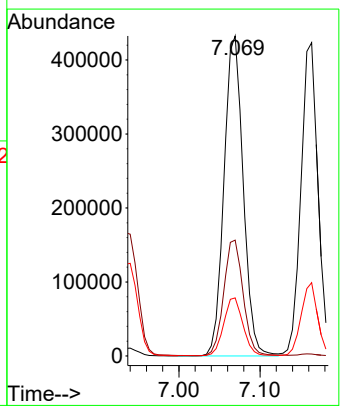


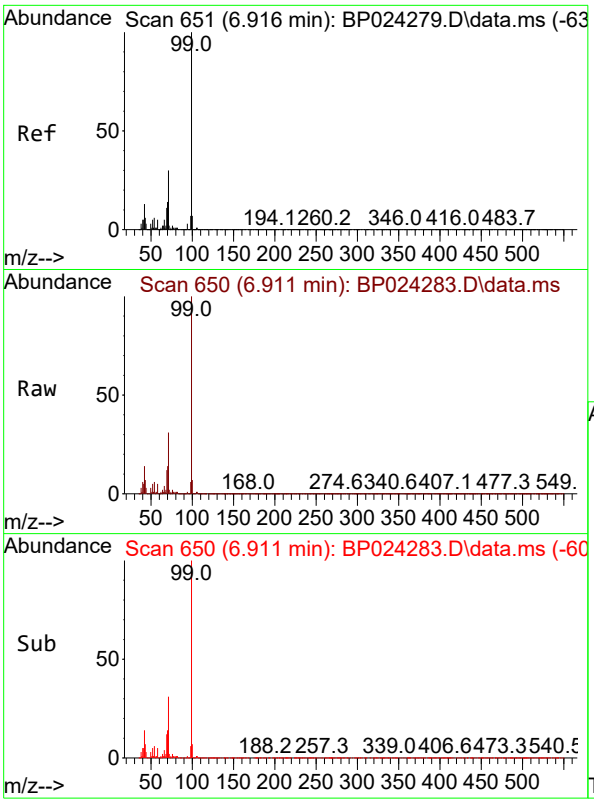


#6
Aniline
Concen: 41.370 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 710981

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.2	14.7	22.1



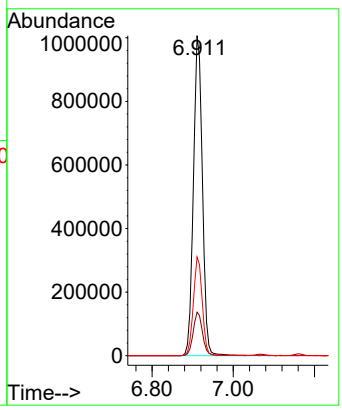


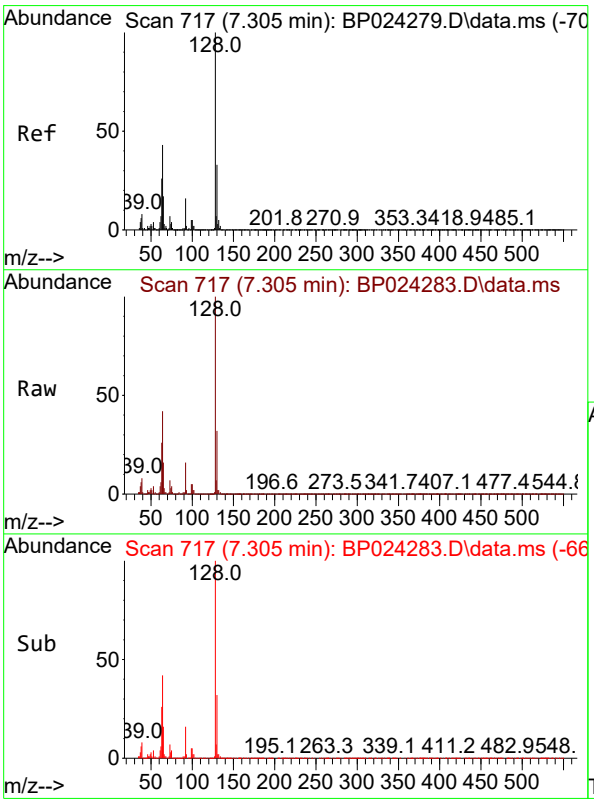
#7
Phenol-d6
Concen: 81.063 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 99 Resp: 1559050

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.9	23.7	35.5

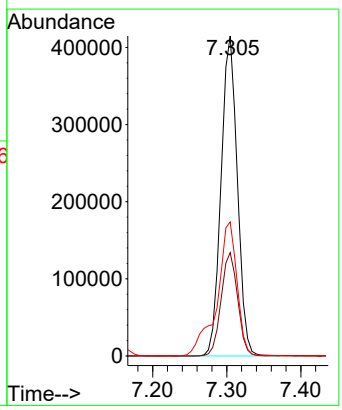


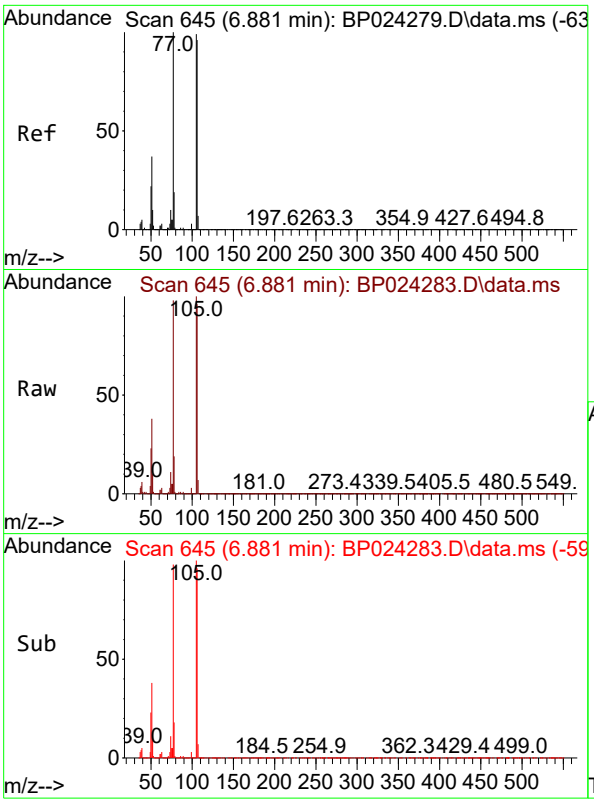


#8
2-Chlorophenol
Concen: 40.334 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:128 Resp: 632515

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.9	22.7	62.7



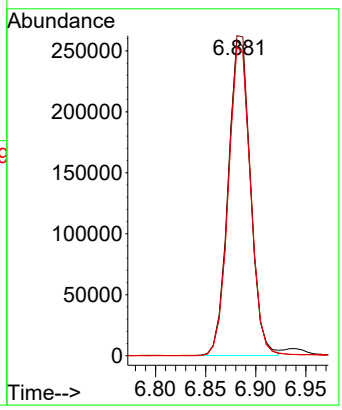


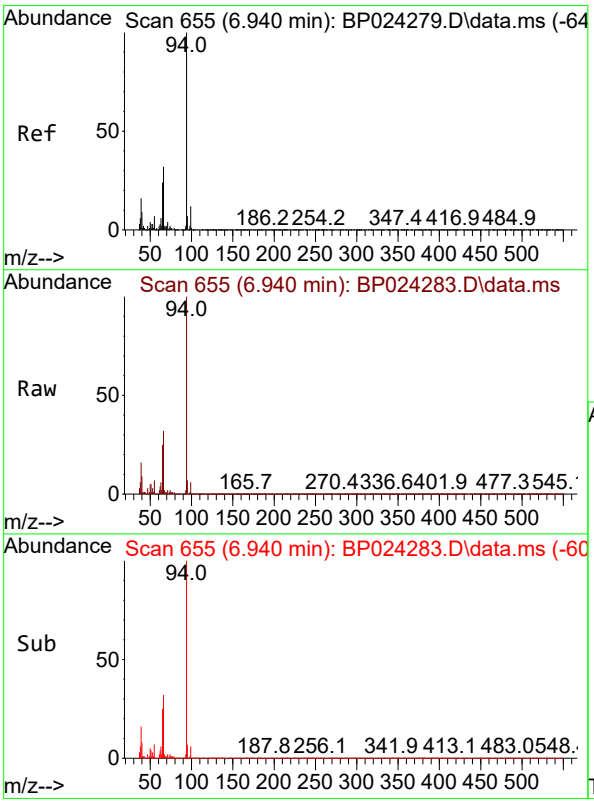
#9
Benzaldehyde
Concen: 42.024 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 399803

Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.2	119.2
106	98.0	76.2	116.2

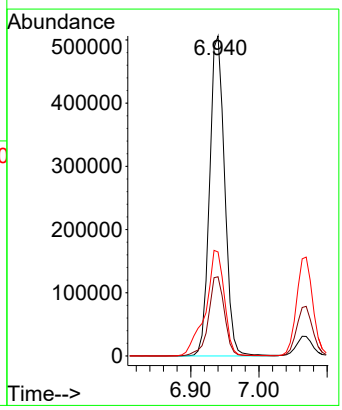


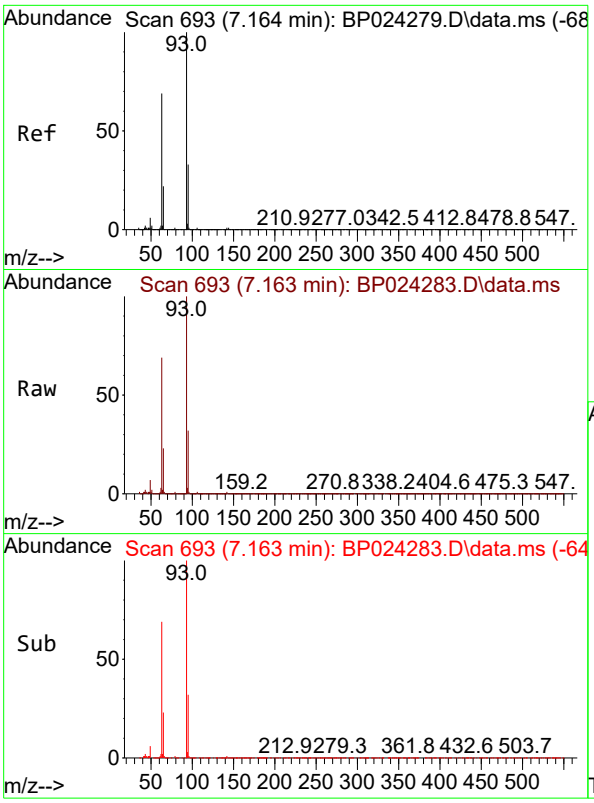


#10
Phenol
Concen: 40.306 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 94 Resp: 777631

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.5	44.5
66	32.5	12.4	52.4



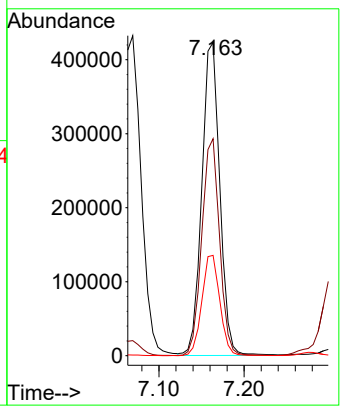


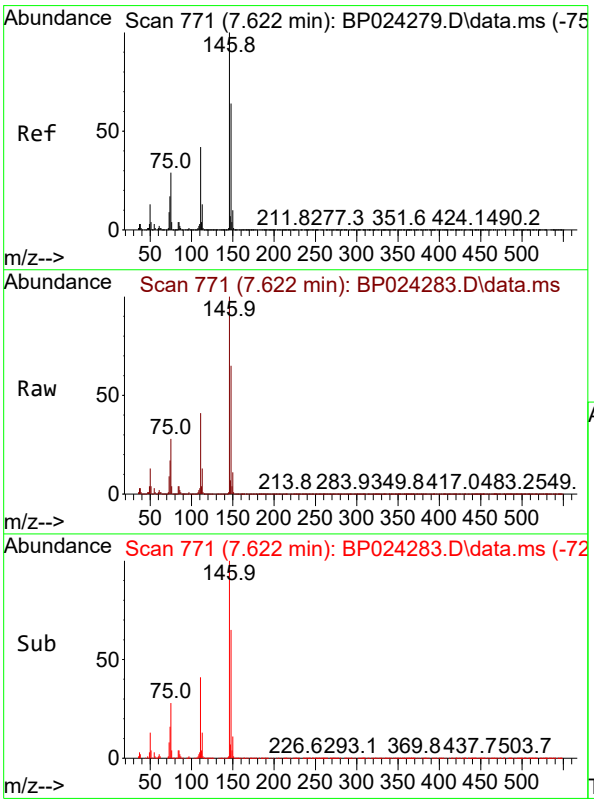
#11
bis(2-Chloroethyl)ether
Concen: 39.902 ng
RT: 7.163 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 93 Resp: 620261

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

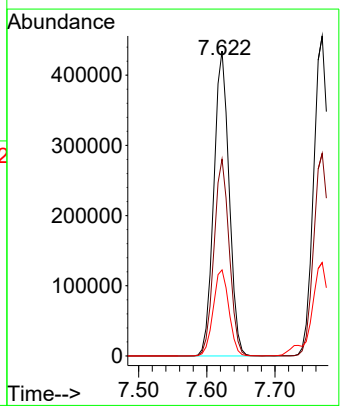


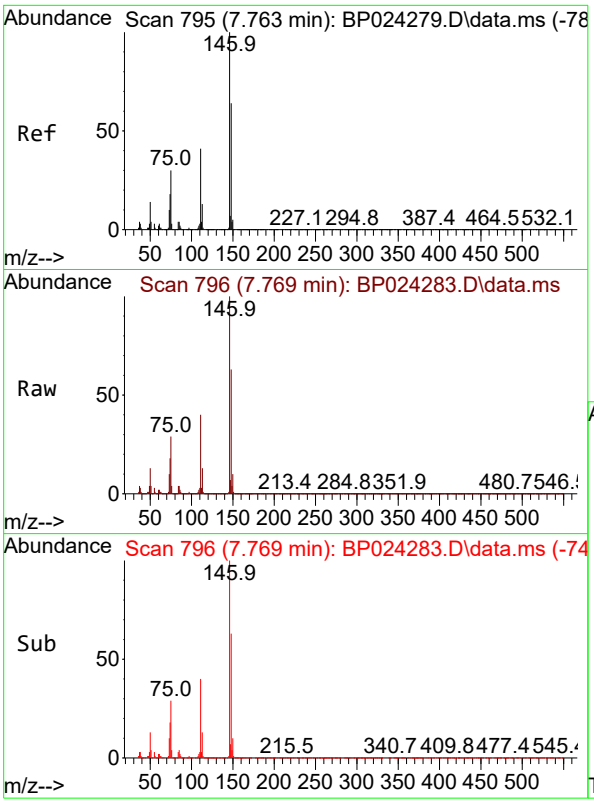


#12
1,3-Dichlorobenzene
Concen: 40.298 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 680343

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
75	28.2	22.9	34.3



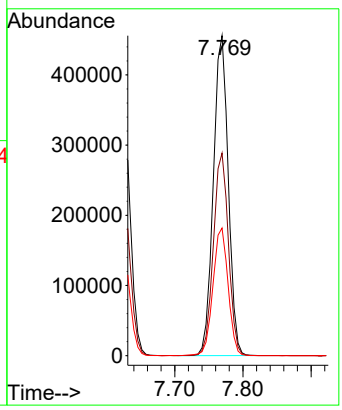


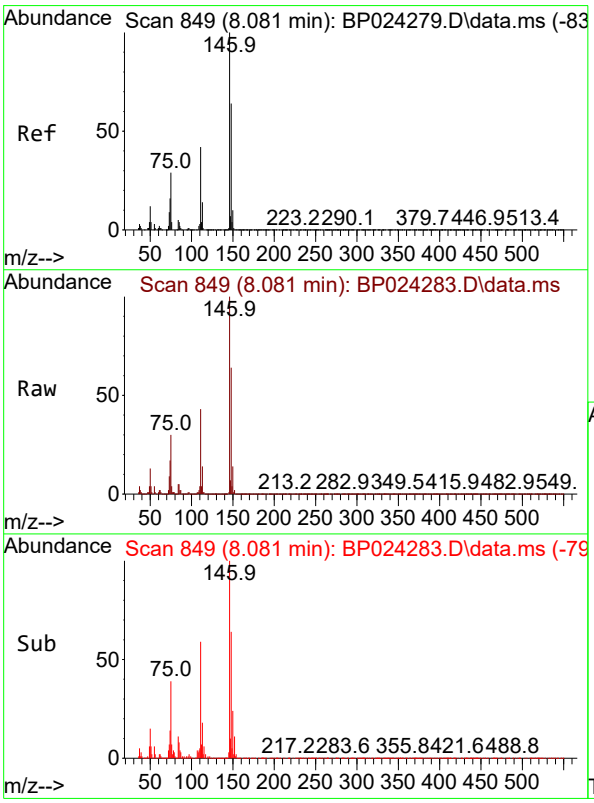
#13
1,4-Dichlorobenzene
Concen: 40.516 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:146 Resp: 694020

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	39.9	32.6	48.8

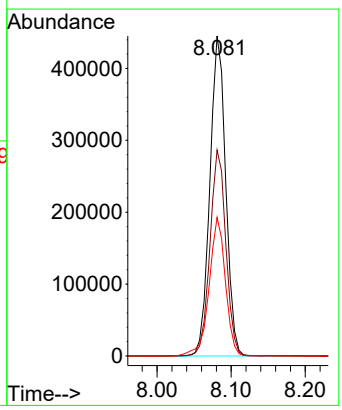


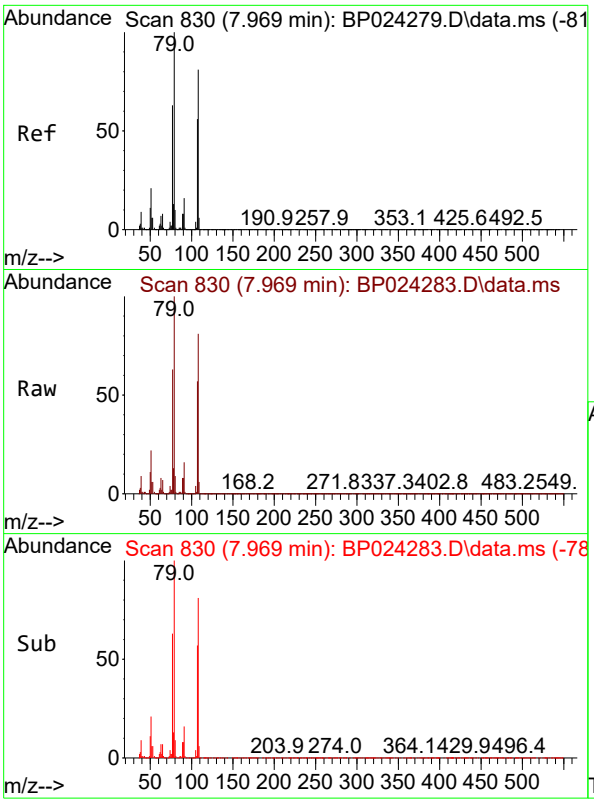


#14
1,2-Dichlorobenzene
Concen: 39.898 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 659947

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.3	33.8	50.8



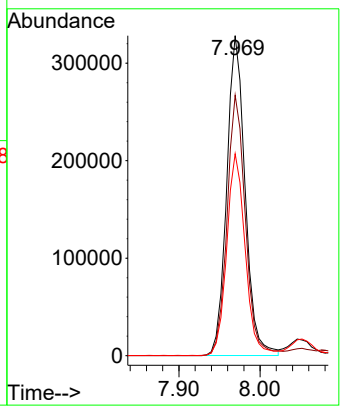


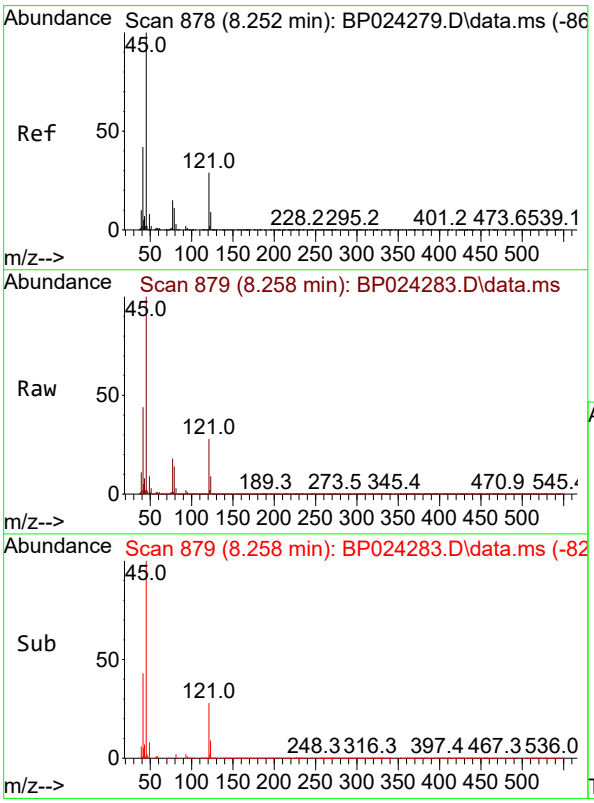
#15
Benzyl Alcohol
Concen: 41.621 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 517678

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.1	50.7	76.1

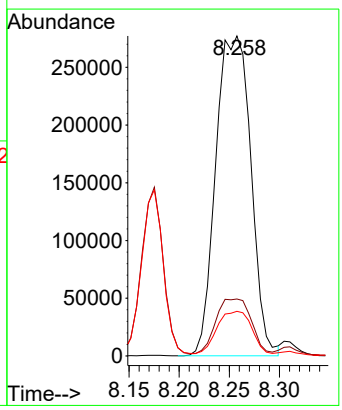


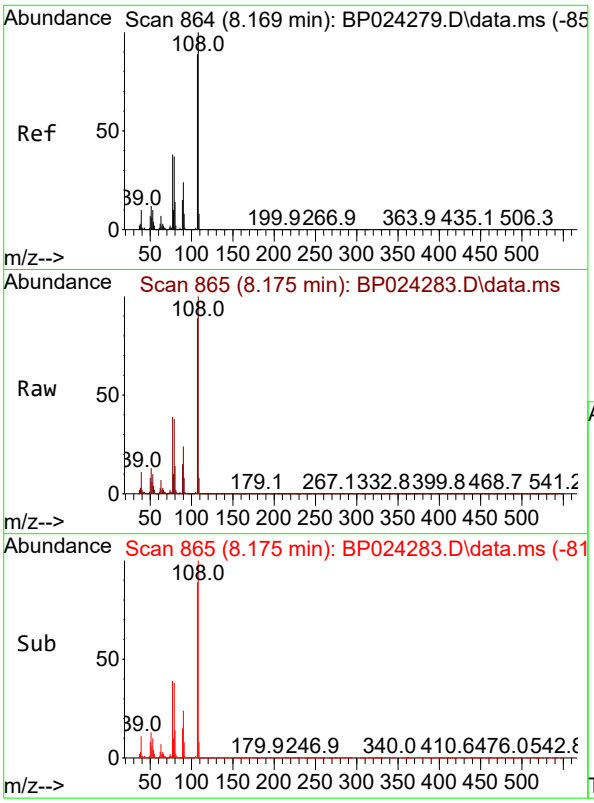


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.173 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 45 Resp: 674999

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.9	0.0	33.5



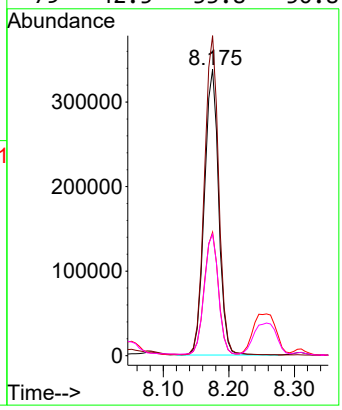


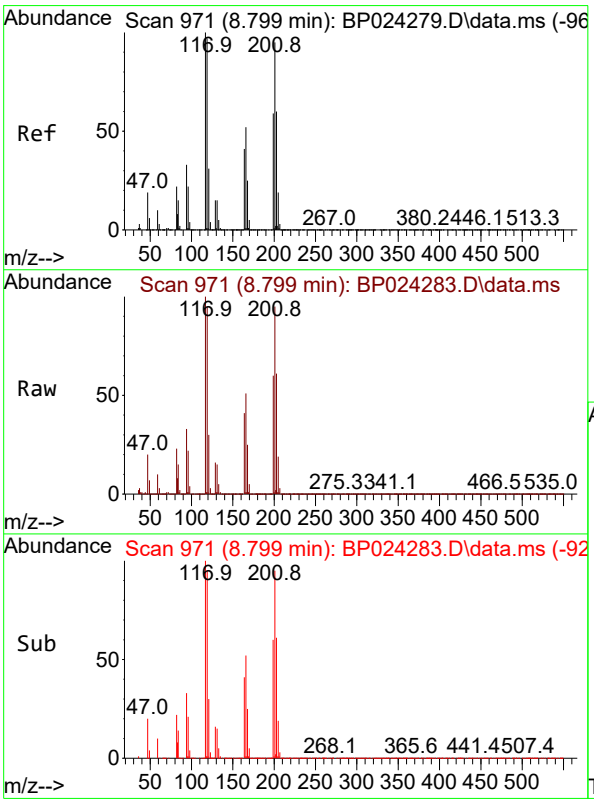
#17
2-Methylphenol
Concen: 41.046 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:107 Resp: 512292

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	43.2	34.2	51.4
79	42.5	33.8	50.8

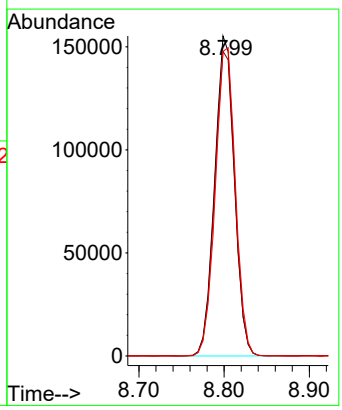


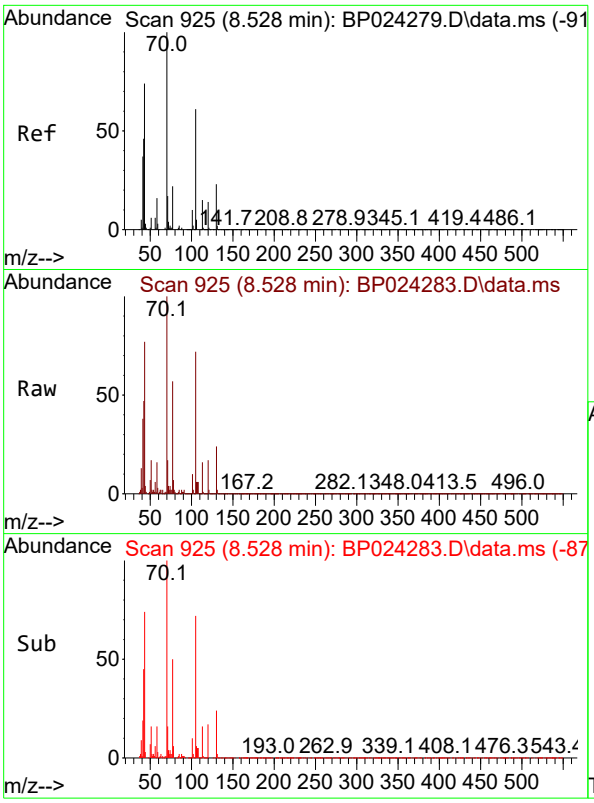


#18
Hexachloroethane
Concen: 40.522 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:117 Resp: 250852

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
201	95.1	75.9	113.9



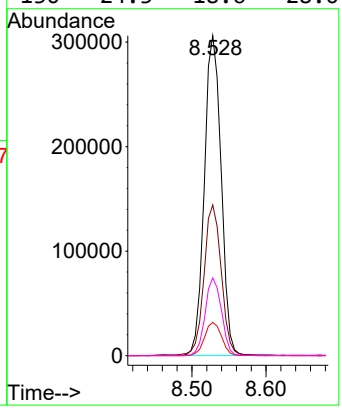


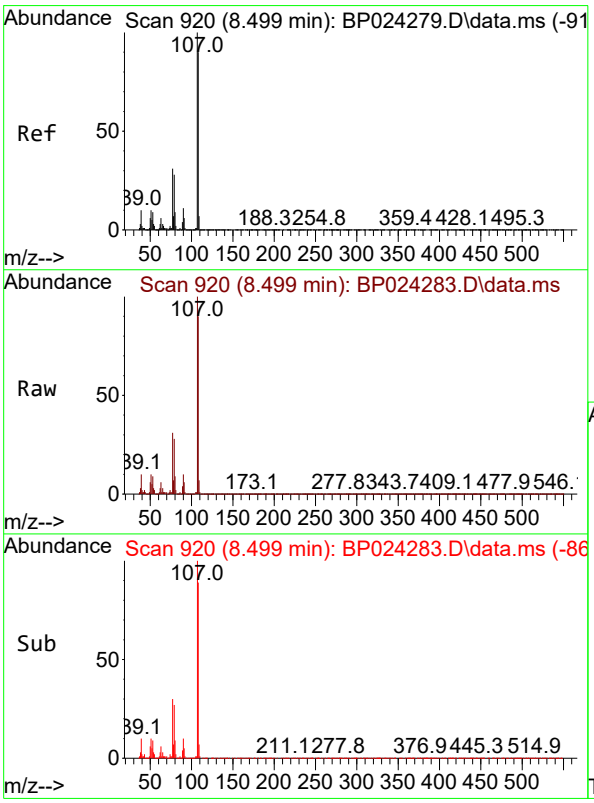
#19
n-Nitroso-di-n-propylamine
Concen: 40.471 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 70 Resp: 481540

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.4	8.2	12.4
130	24.3	18.6	28.0

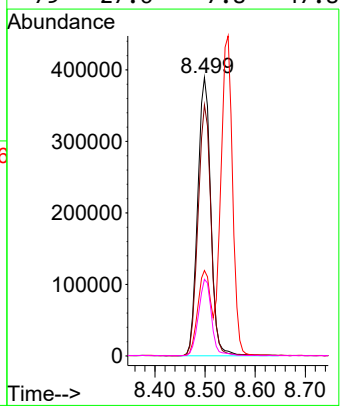


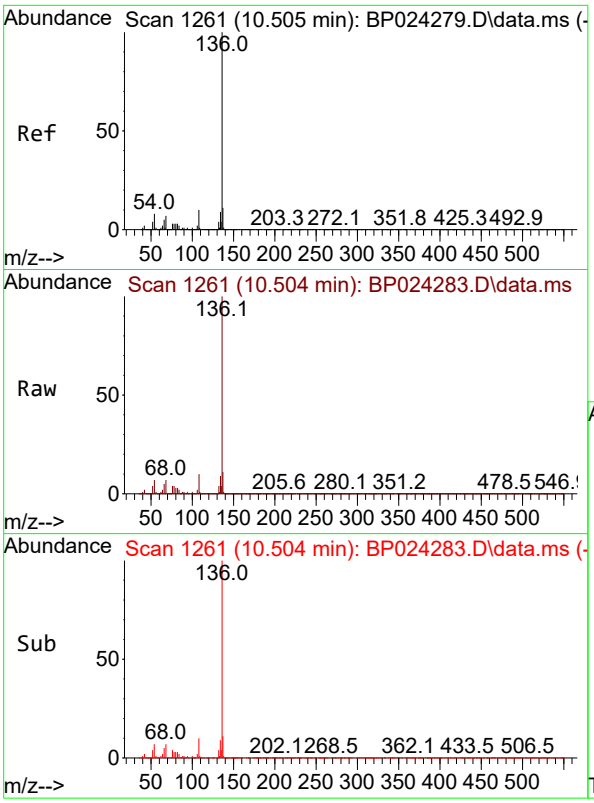


#20
3+4-Methylphenols
Concen: 40.810 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 706733

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	30.7	11.5	51.5
79	27.6	7.8	47.8



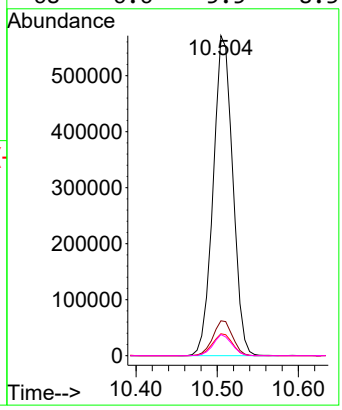


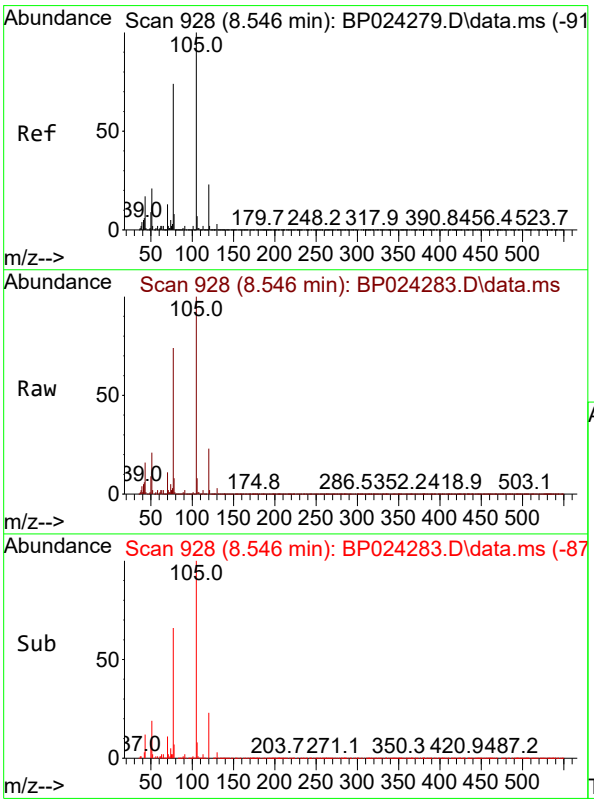
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:136 Resp: 956448

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.6	5.5	8.3

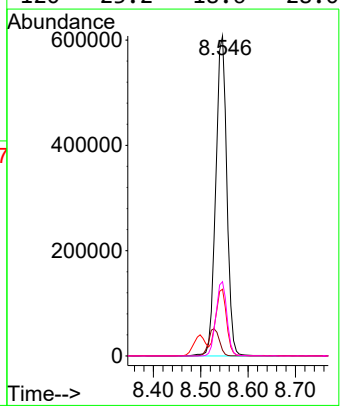


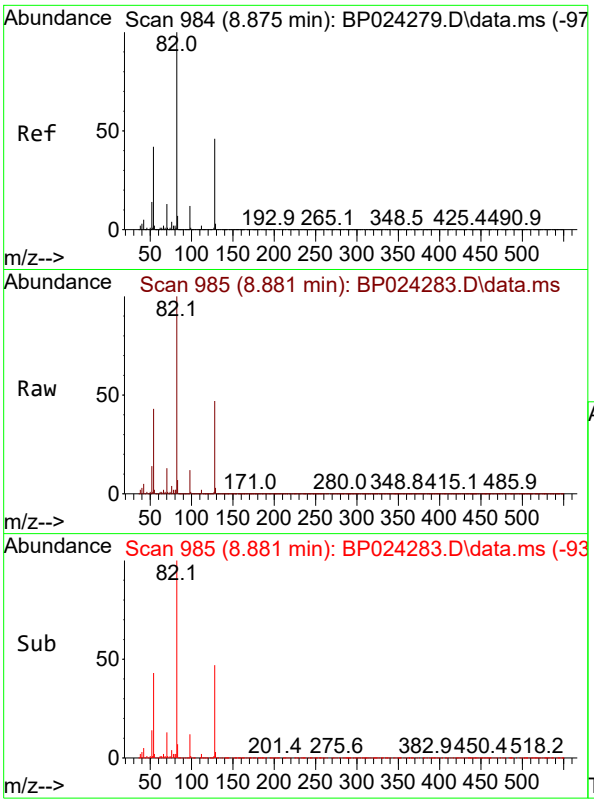


#22
Acetophenone
Concen: 41.652 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:105 Resp: 986019

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.7	2.5
51	20.8	16.9	25.3
120	23.2	18.6	28.0



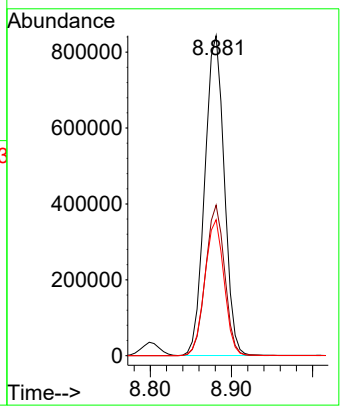


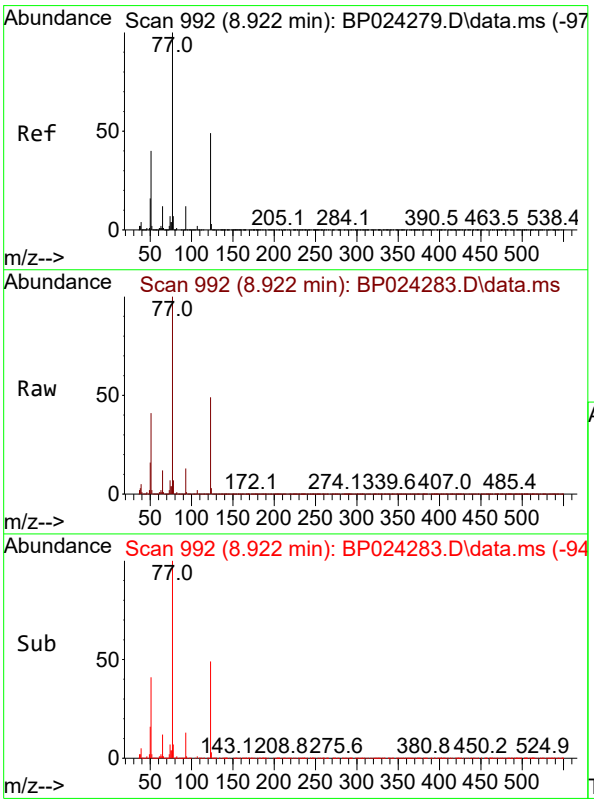
#23
Nitrobenzene-d5
Concen: 83.531 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1401115

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.5	33.4	50.2

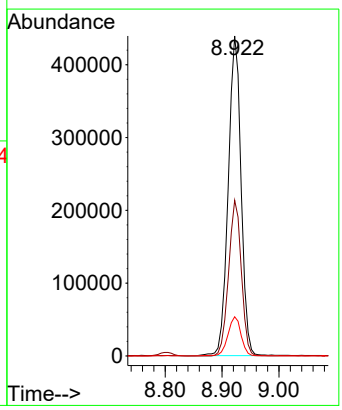


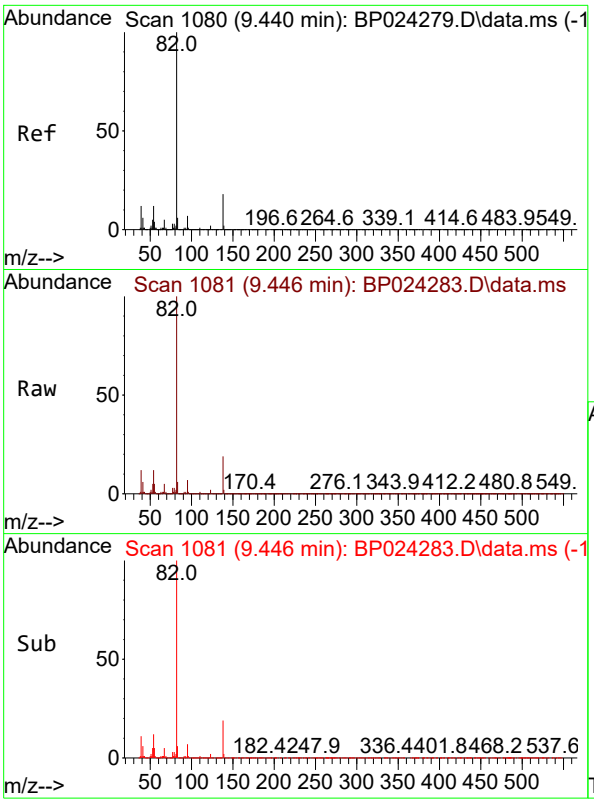


#24
Nitrobenzene
Concen: 41.537 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 77 Resp: 689231

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.2	9.8	14.6



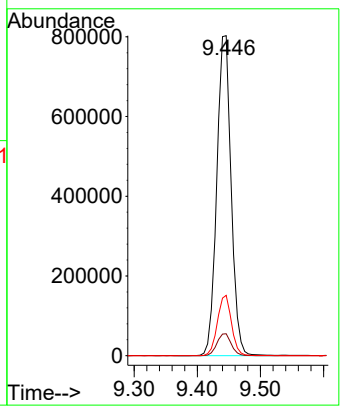


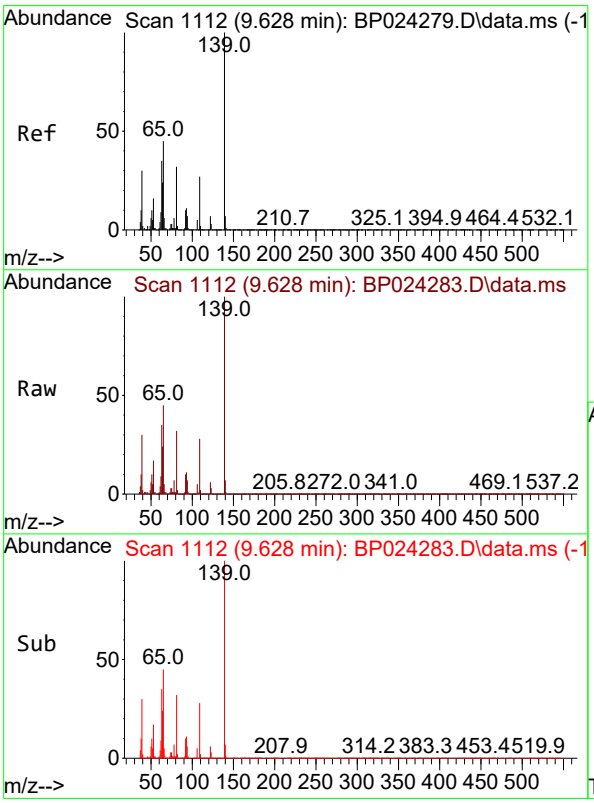
#25
Isophorone
Concen: 41.648 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1264480

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.8	14.4	21.6

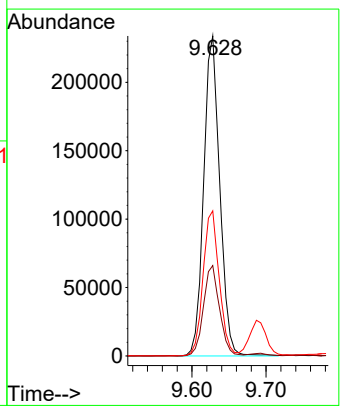


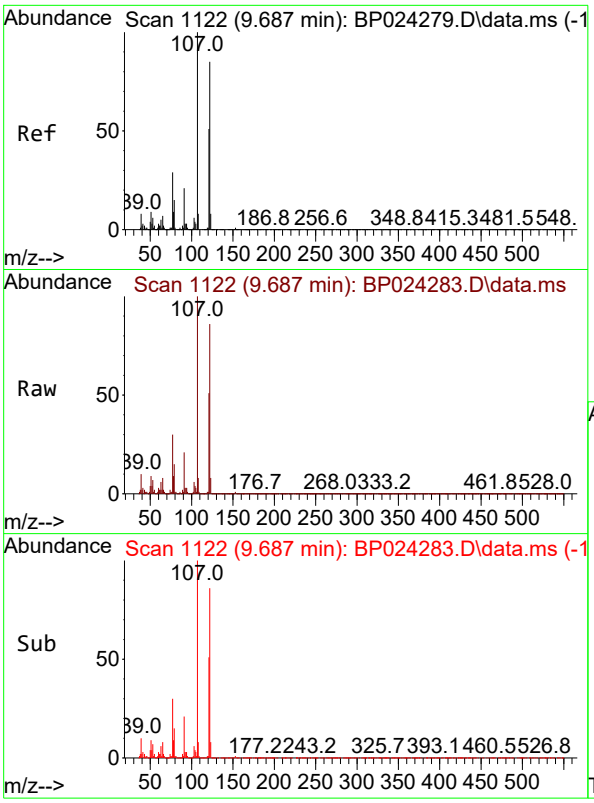


#26
2-Nitrophenol
Concen: 43.376 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 352229

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.8	32.6
65	45.3	36.2	54.2



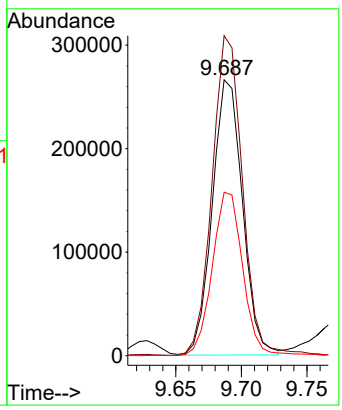


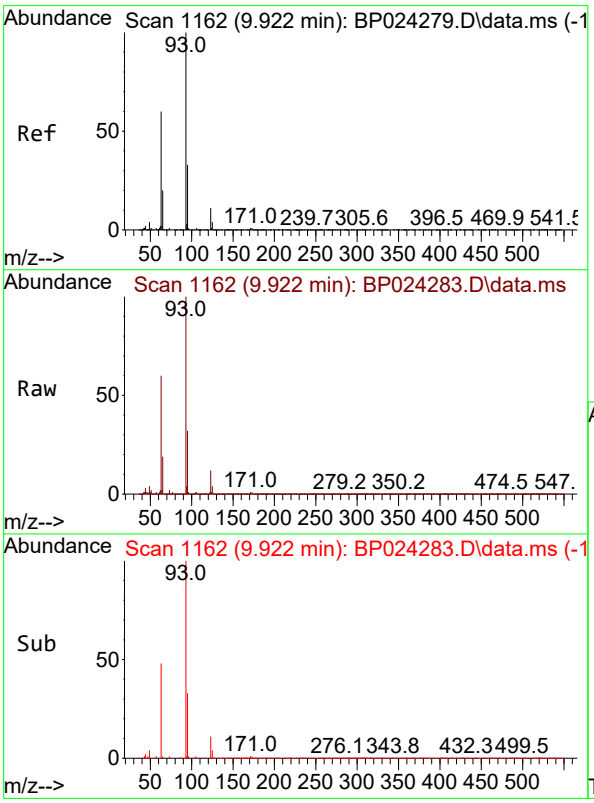
#27
2,4-Dimethylphenol
Concen: 41.689 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:122 Resp: 425062

Ion	Ratio	Lower	Upper
122	100		
107	116.0	93.7	140.5
121	59.3	48.2	72.2

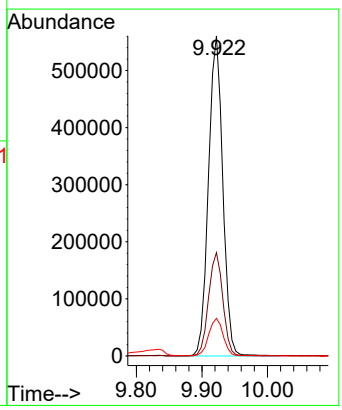


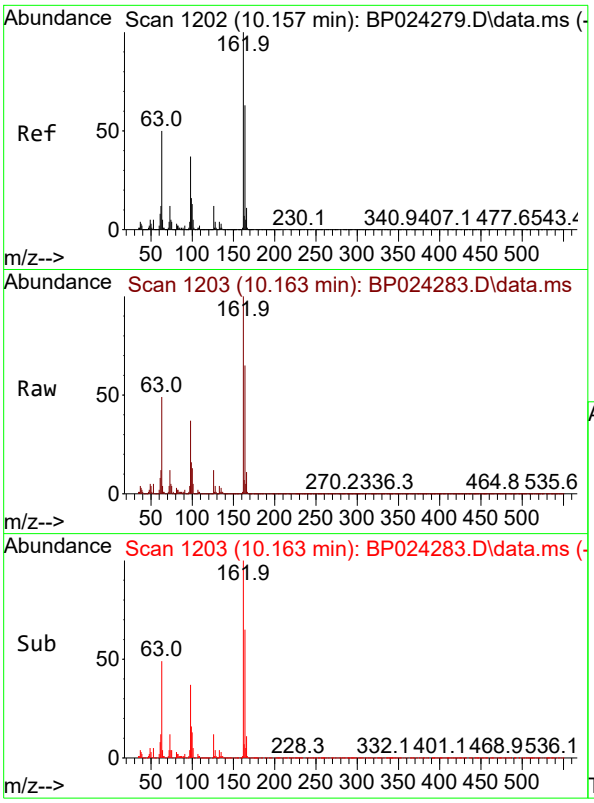


#28
bis(2-Chloroethoxy)methane
Concen: 41.402 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 849161

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



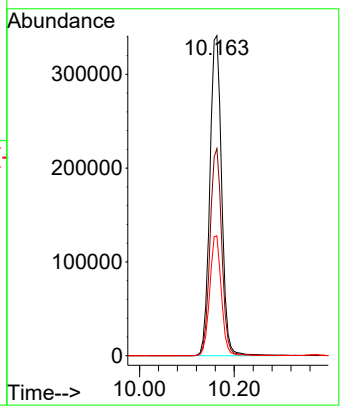


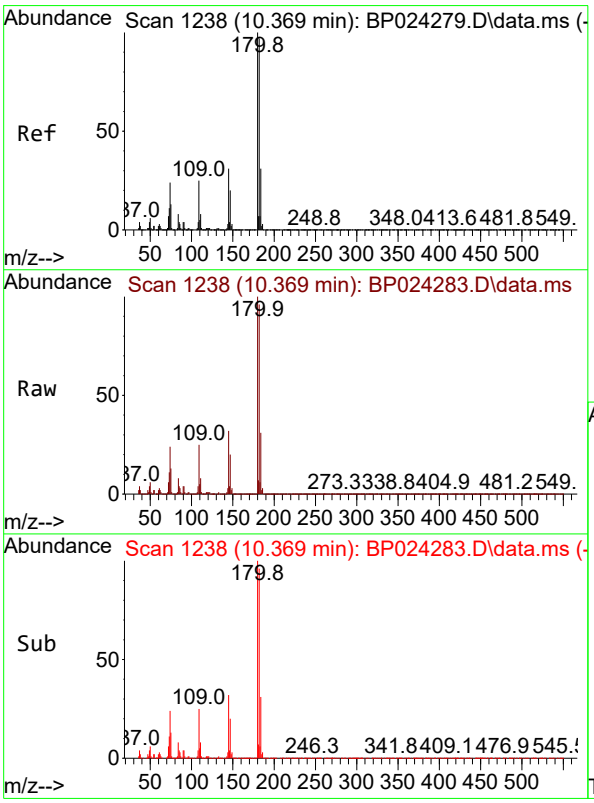
#29
2,4-Dichlorophenol
Concen: 42.461 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 590306

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.4	16.6	56.6

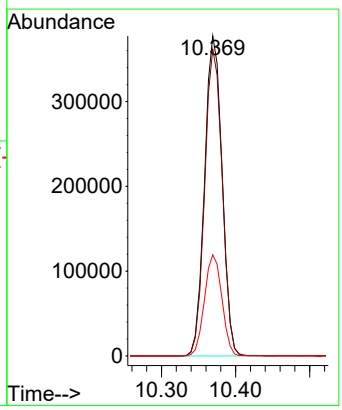


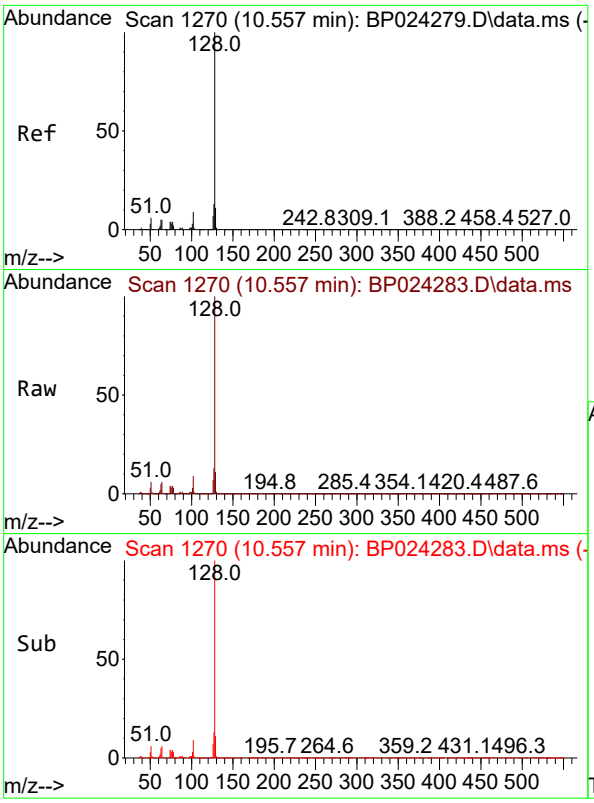


#30
1,2,4-Trichlorobenzene
Concen: 41.612 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:180 Resp: 619818

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.6	25.1	37.7



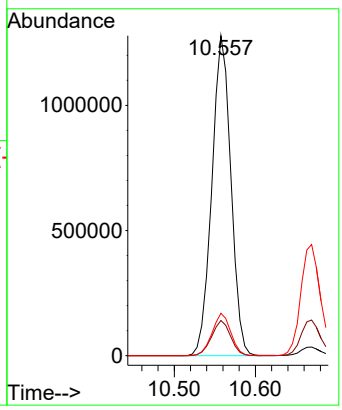


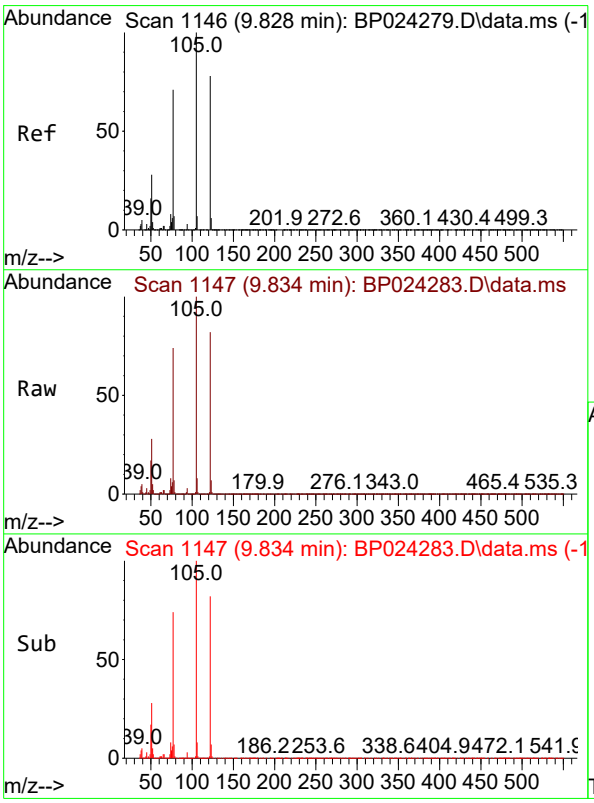
#31
Naphthalene
Concen: 41.386 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:128 Resp: 2085090

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

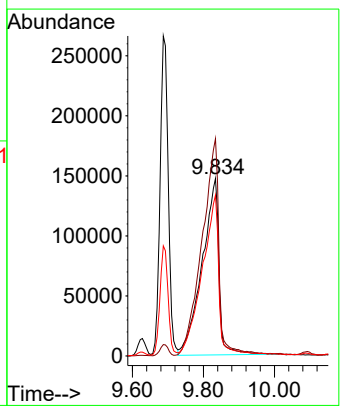


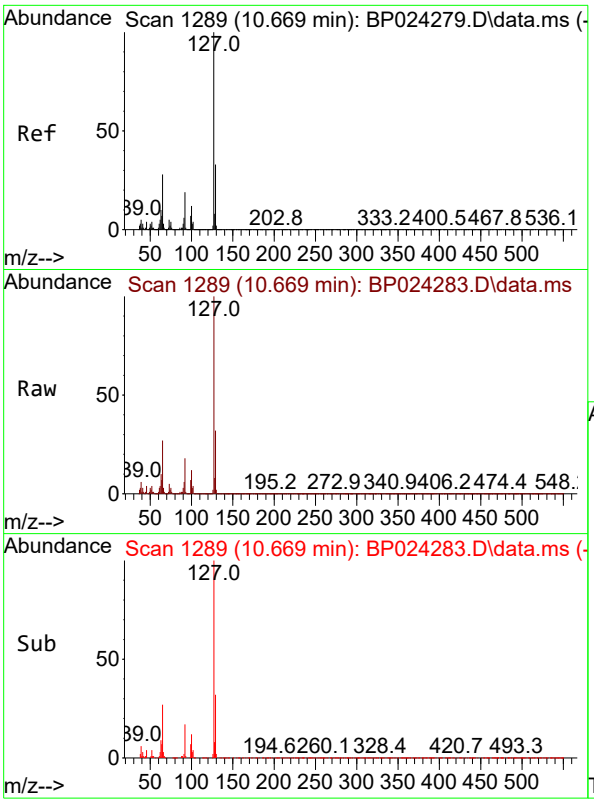


#32
Benzoic acid
Concen: 40.959 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.041 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:122 Resp: 486627

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.8	144.8
77	90.6	69.2	109.2



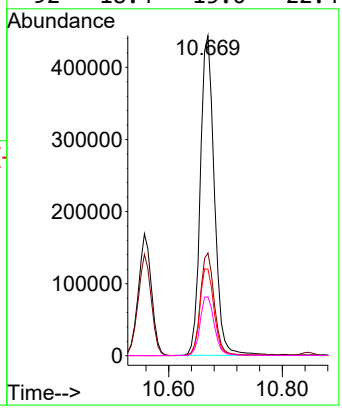


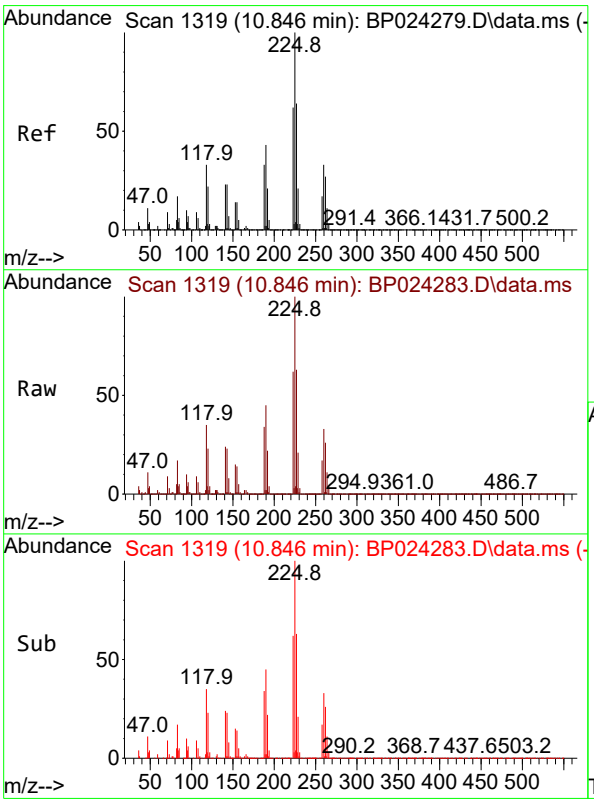
#33
4-Chloroaniline
Concen: 42.937 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:127 Resp: 761817

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	27.1	22.1	33.1
92	18.4	15.0	22.4

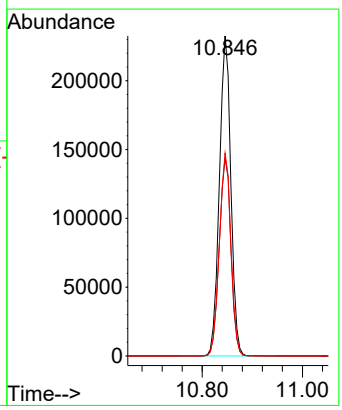


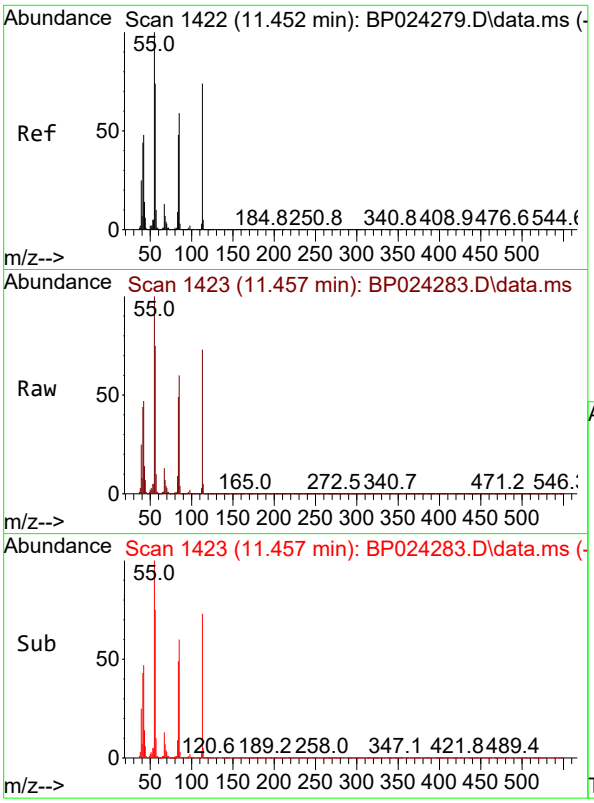


#34
Hexachlorobutadiene
Concen: 42.007 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:225 Resp: 367684

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.4	50.9	76.3



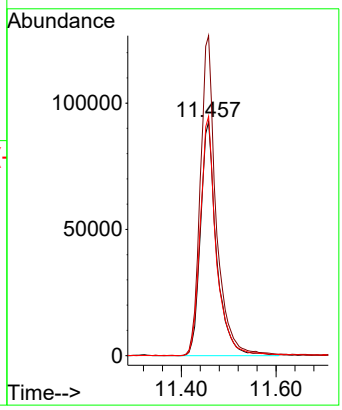


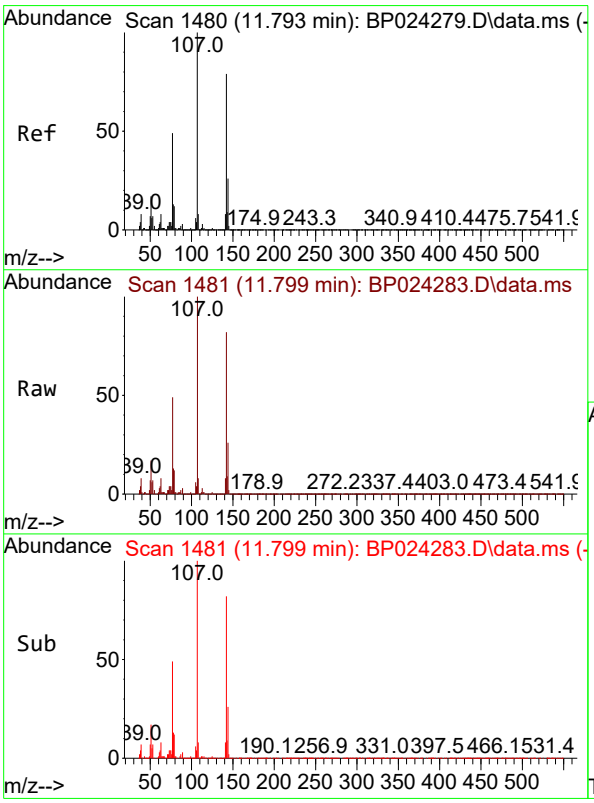
#35
Caprolactam
Concen: 42.152 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:113 Resp: 216229

Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	102.3	81.1	121.1

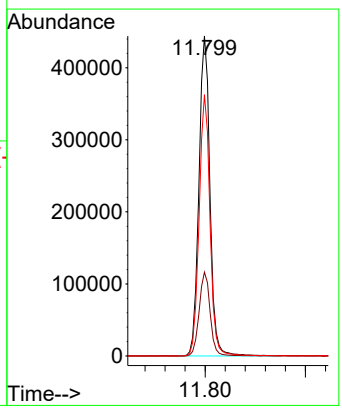


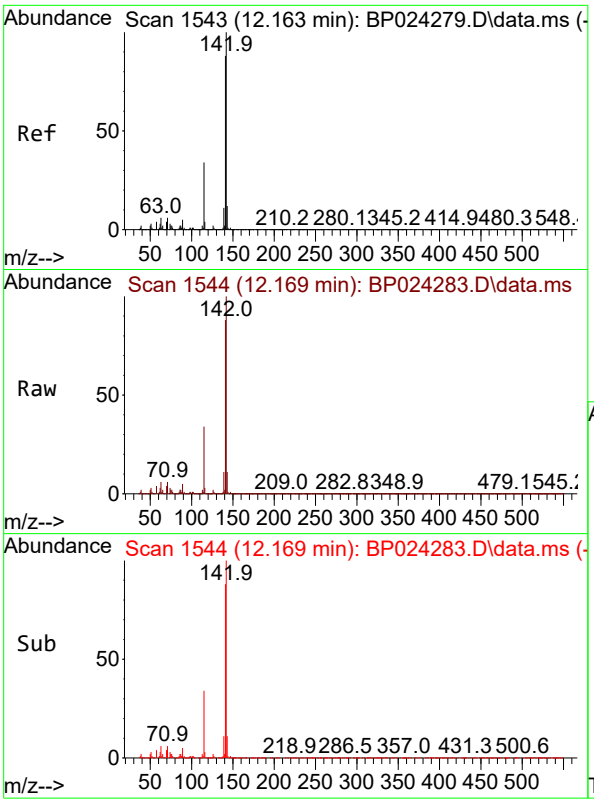


#36
4-Chloro-3-methylphenol
Concen: 41.737 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 675857

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.6	63.4	95.2



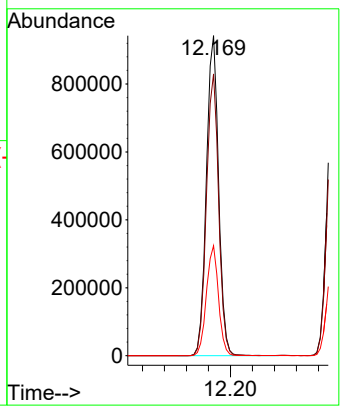


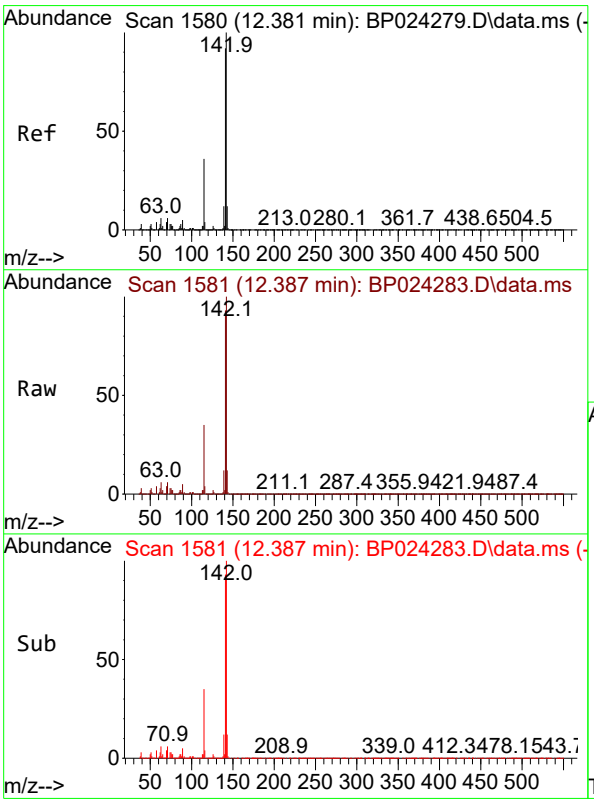
#37
2-Methylnaphthalene
Concen: 41.403 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:142 Resp: 1446647

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	34.4	26.9	40.3

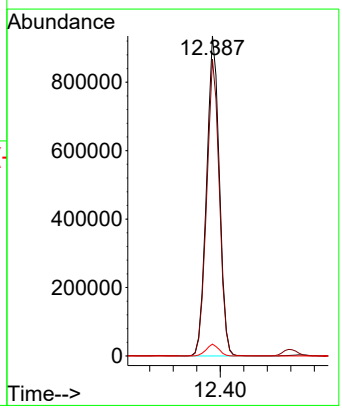


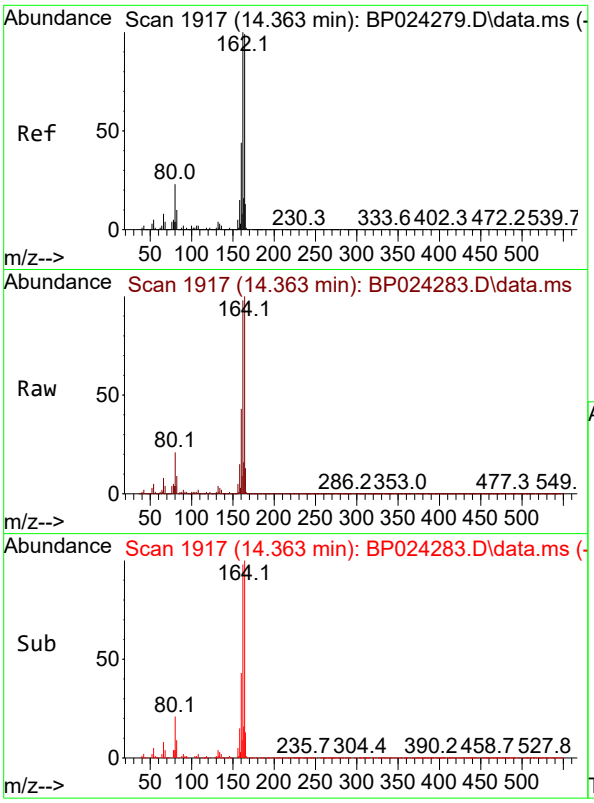


#38
1-Methylnaphthalene
Concen: 41.210 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:142 Resp: 1408633

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.7	3.0	4.6



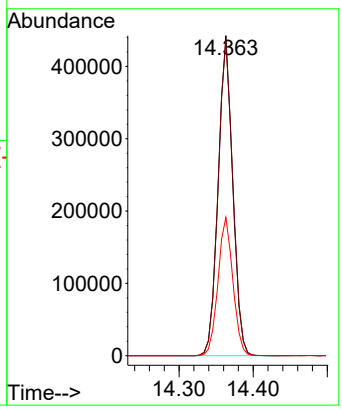


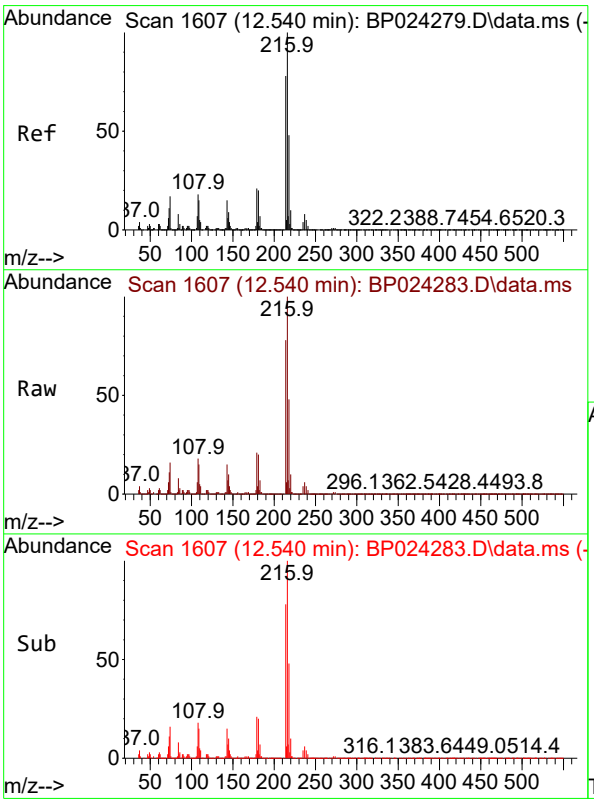
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:164 Resp: 600031

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.2	35.3	52.9

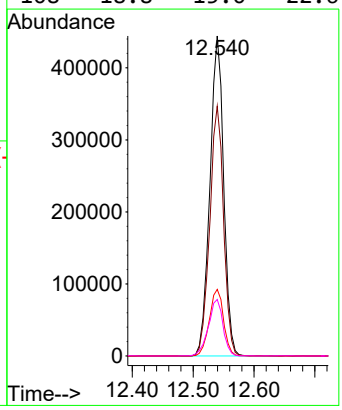


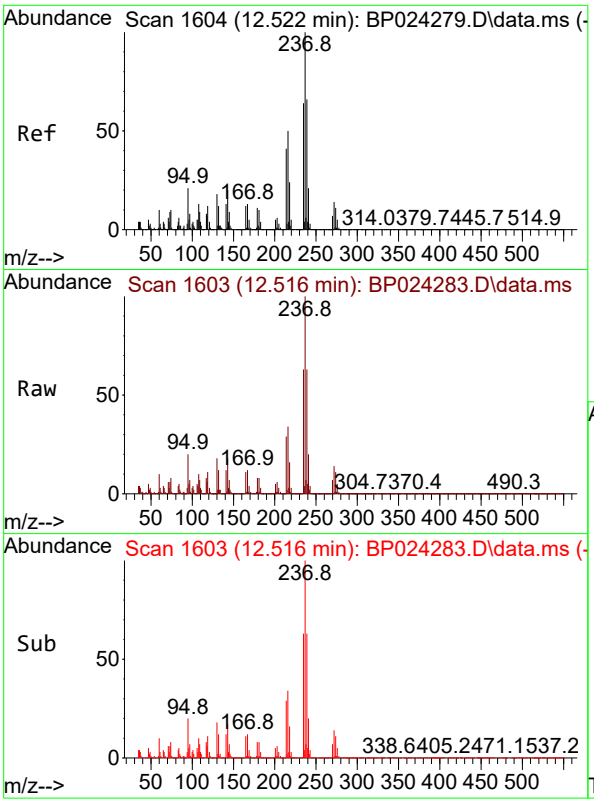


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.275 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:216 Resp: 697580

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



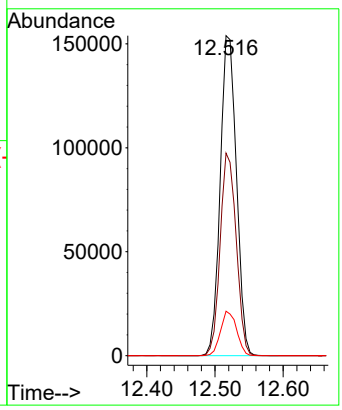


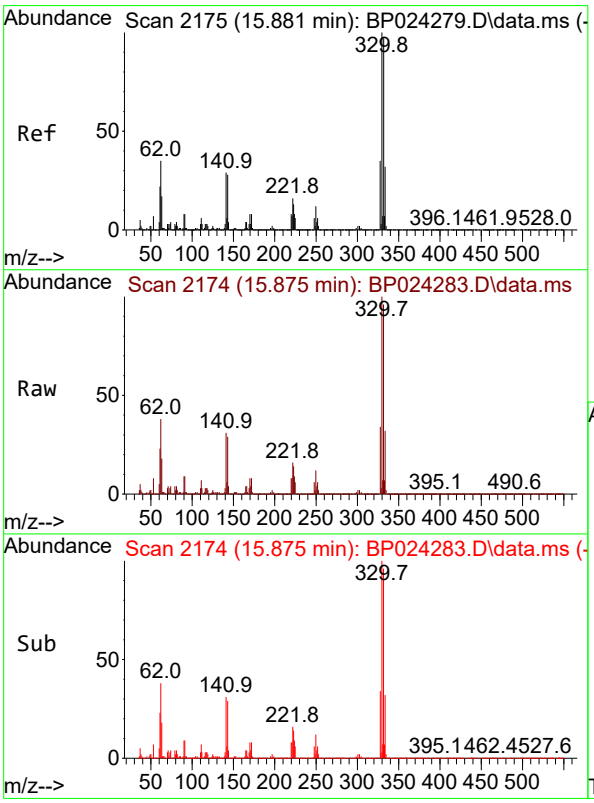
#41
Hexachlorocyclopentadiene
Concen: 43.639 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:237 Resp: 254676

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.9	0.0	33.6

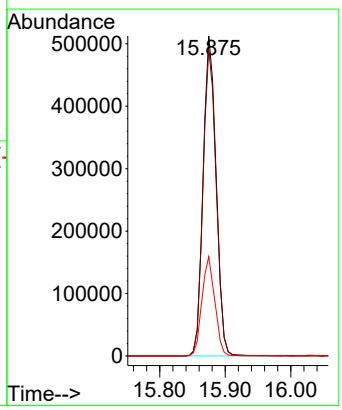


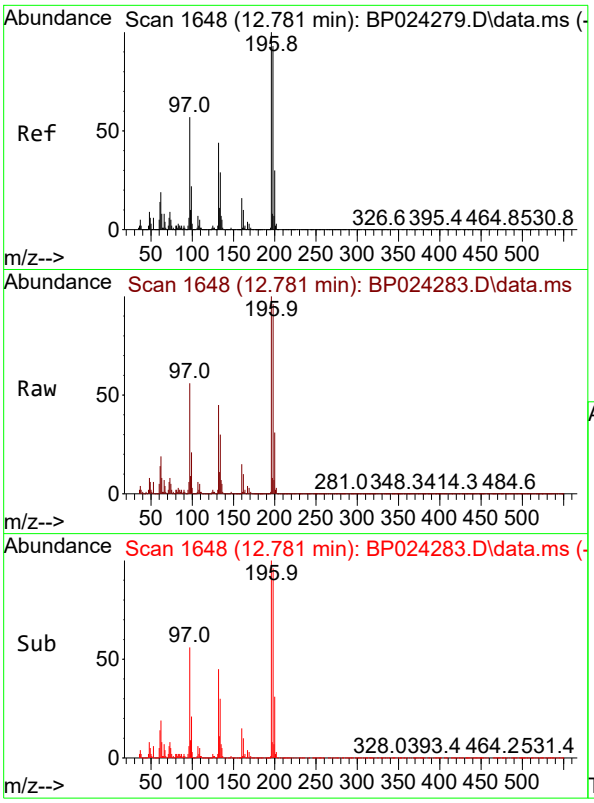


#42
2,4,6-Tribromophenol
Concen: 85.488 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:330 Resp: 709703

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.7	24.7	37.1



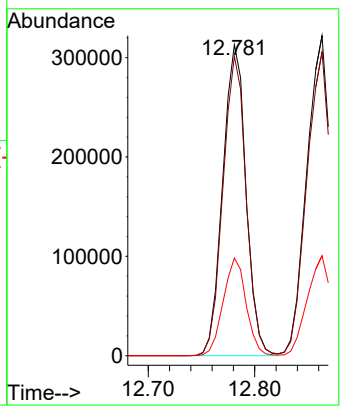


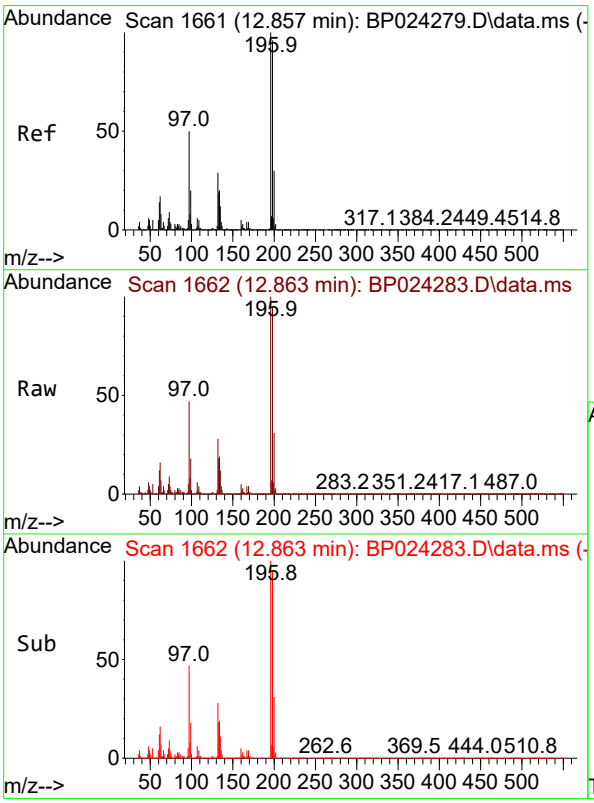
#43
2,4,6-Trichlorophenol
Concen: 43.329 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:196 Resp: 475349

Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.3	111.5
200	31.4	24.0	36.0

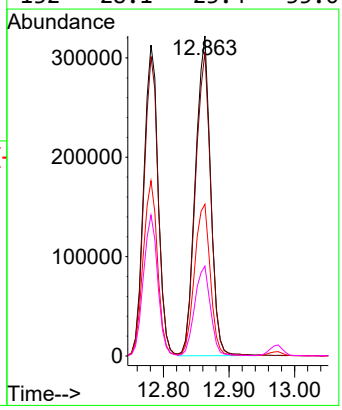


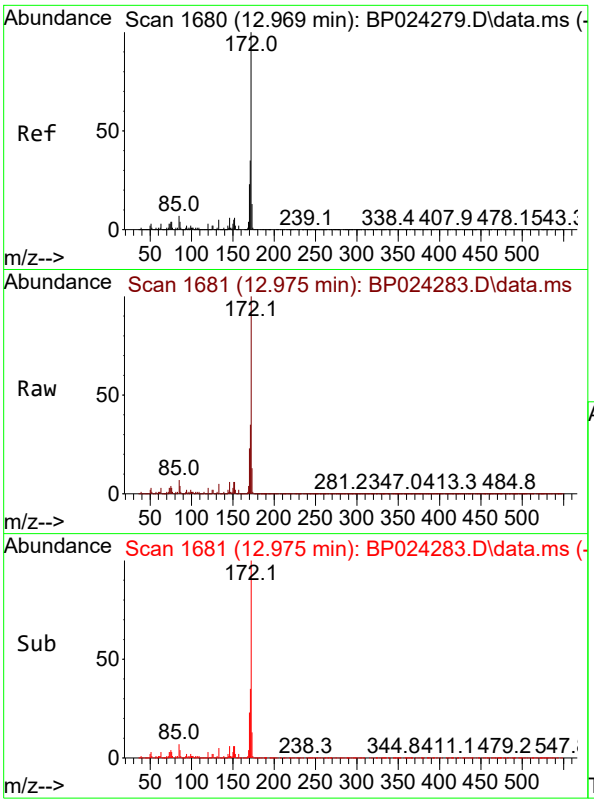


#44
2,4,5-Trichlorophenol
Concen: 42.828 ng
RT: 12.863 min Scan# 1662
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:196 Resp: 520298

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.4	40.4	60.6
132	28.1	23.4	35.0



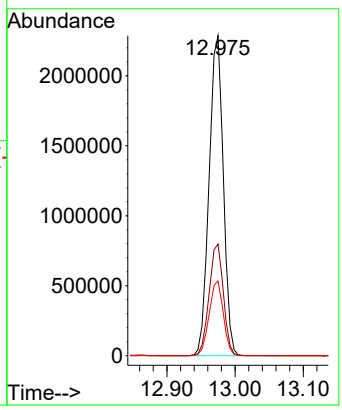


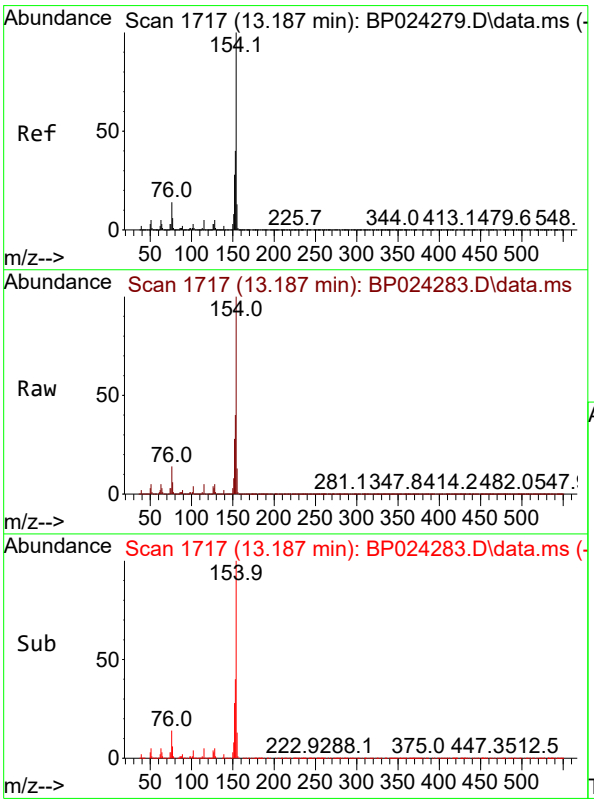
#45
2-Fluorobiphenyl
Concen: 84.715 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:172 Resp: 3319933

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.3	18.6	27.8

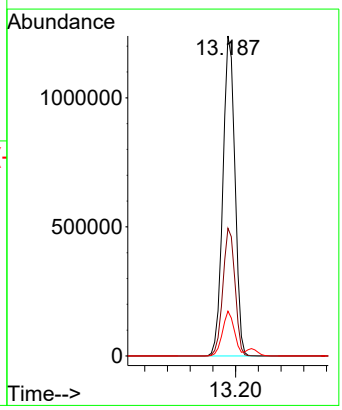


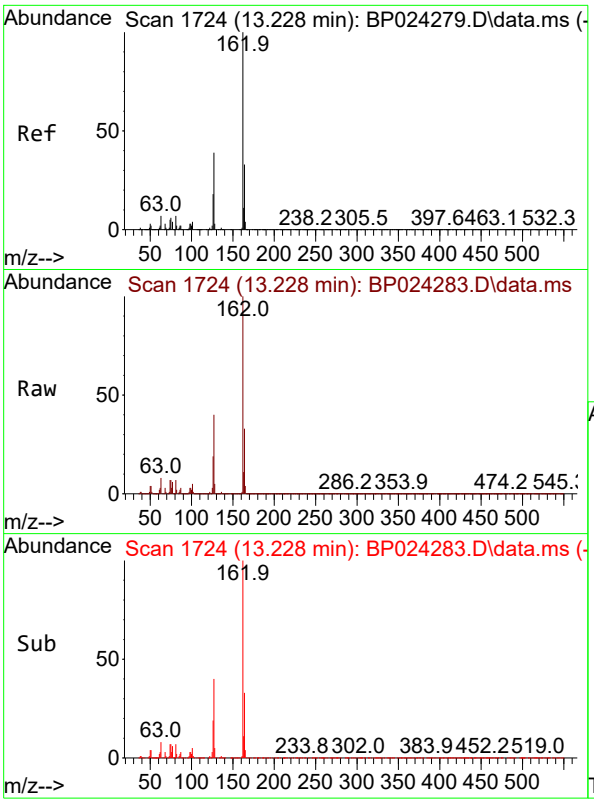


#46
1,1'-Biphenyl
Concen: 41.595 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1834570

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	14.0	0.0	33.5



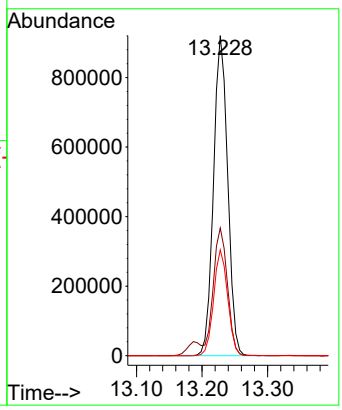


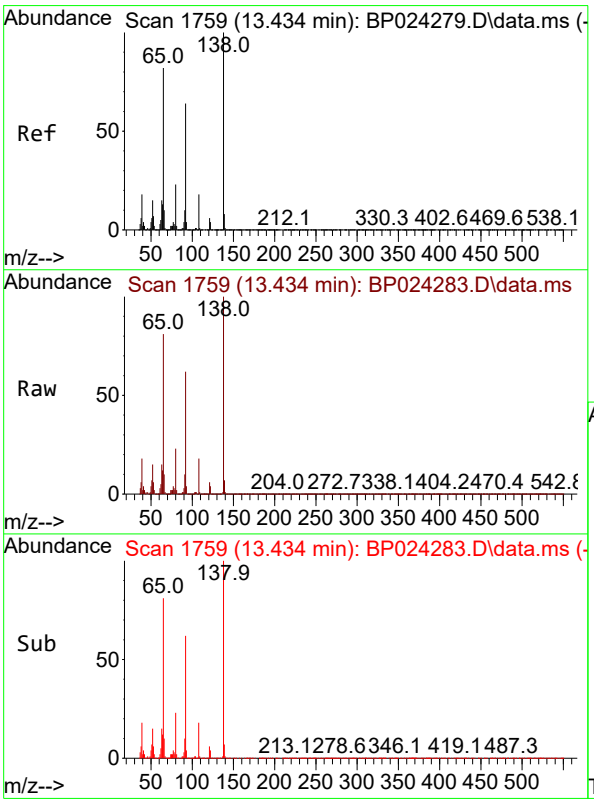
#47
2-Chloronaphthalene
Concen: 41.786 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 1377424

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.0	26.2	39.4

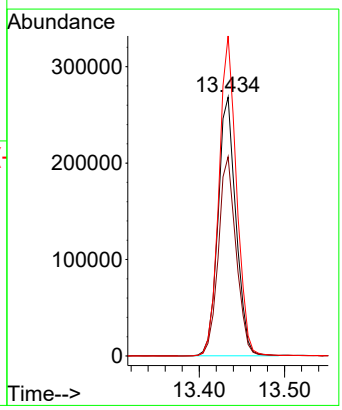


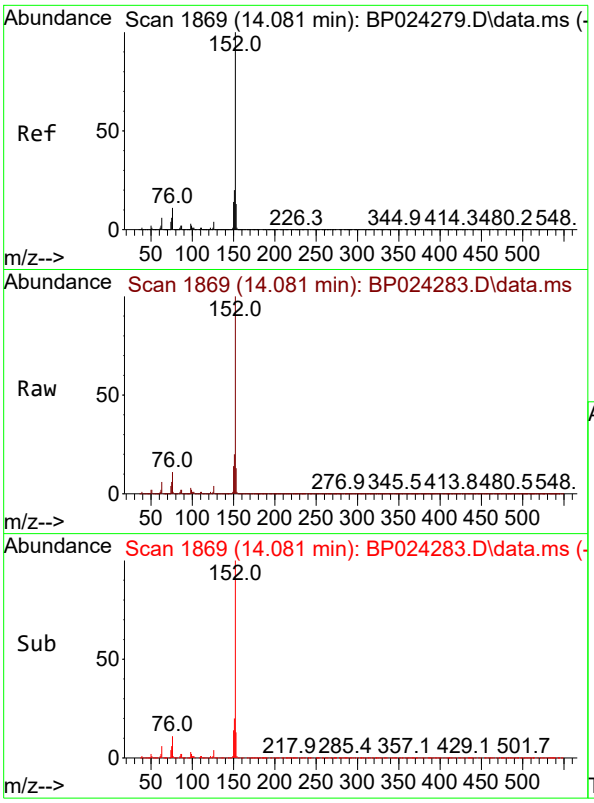


#48
2-Nitroaniline
Concen: 42.475 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 65 Resp: 392742

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	123.6	97.2	145.8



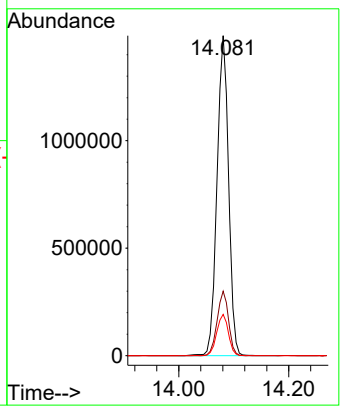


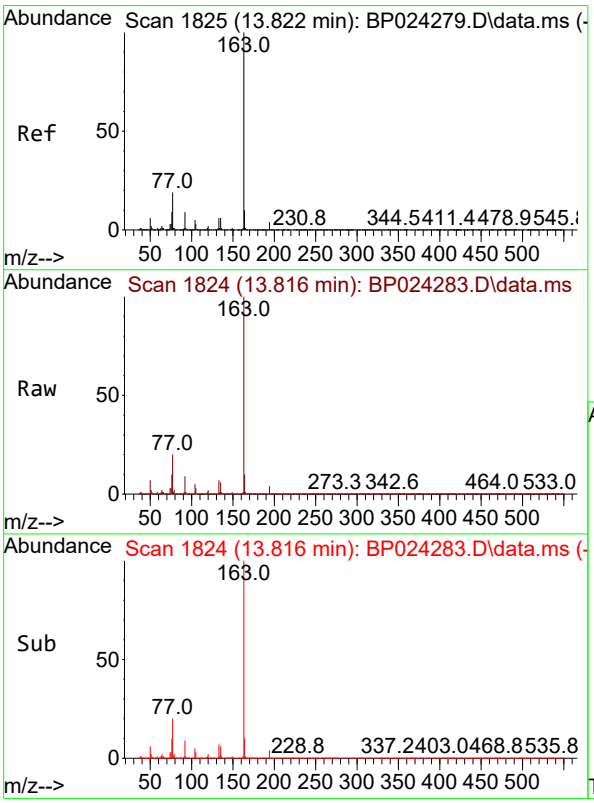
#49
Acenaphthylene
Concen: 41.783 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 2168474

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.6	15.8

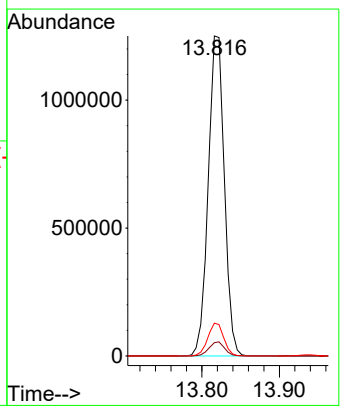


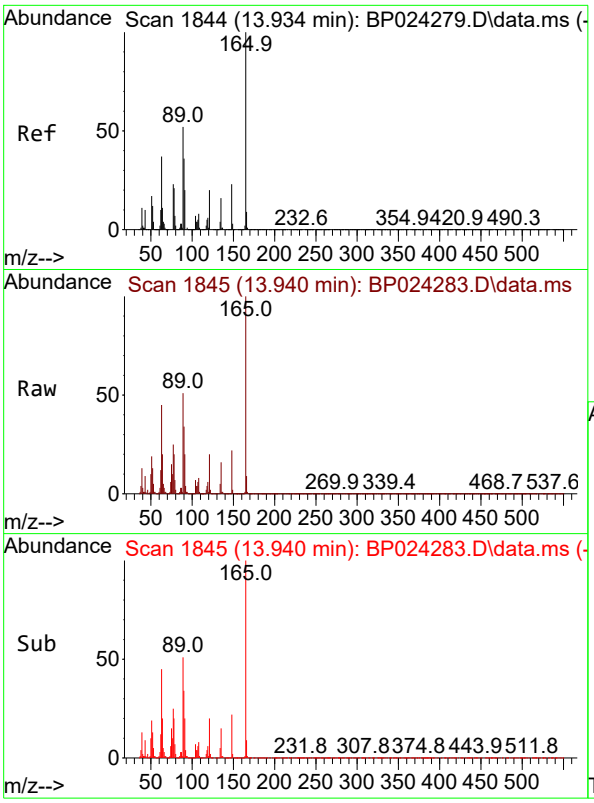


#50
Dimethylphthalate
Concen: 41.478 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:163 Resp: 1809923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



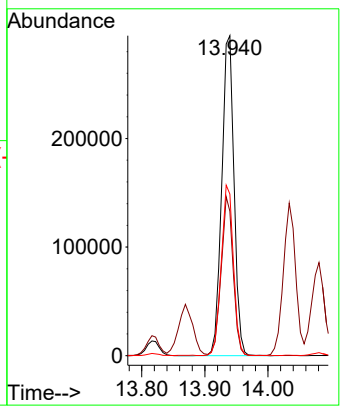


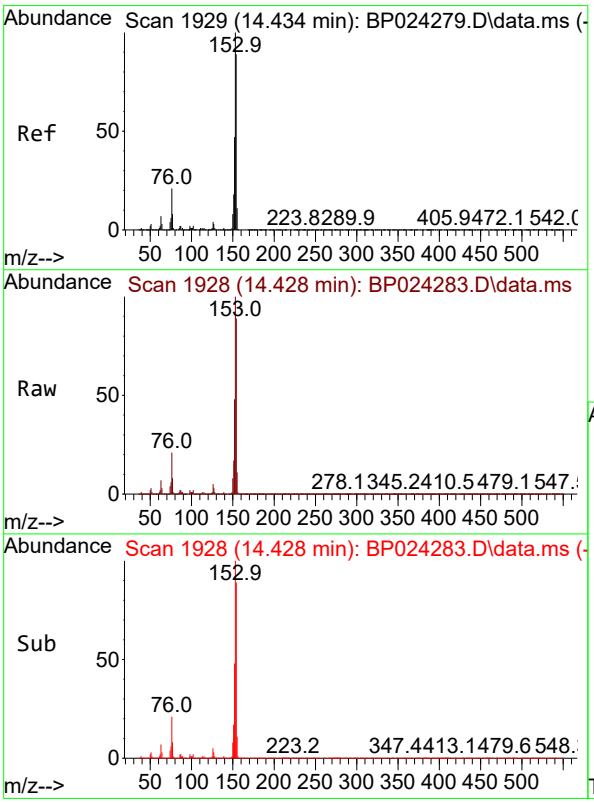
#51
2,6-Dinitrotoluene
Concen: 42.990 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 398345

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.0	57.0
89	50.5	41.7	62.5

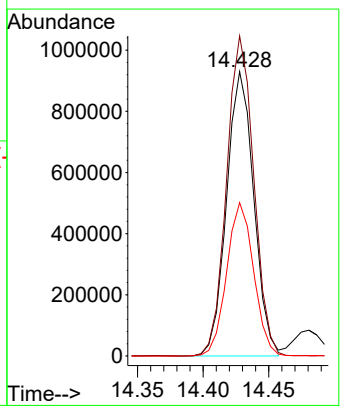


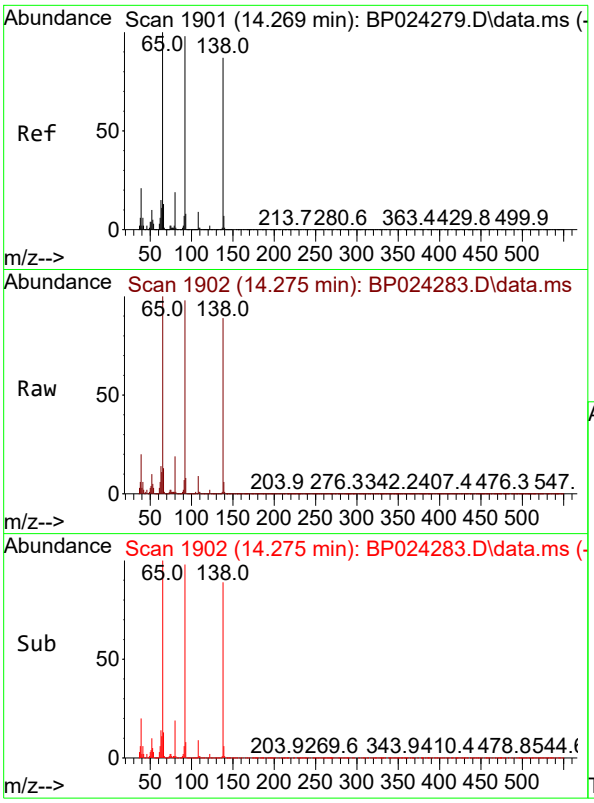


#52
Acenaphthene
Concen: 40.853 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1344151

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.9	42.6	63.8



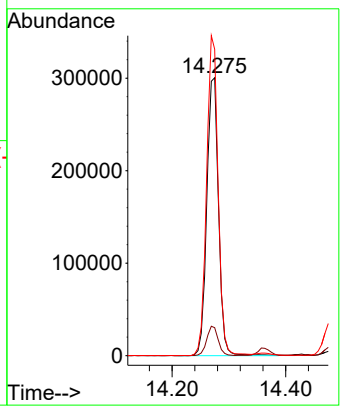


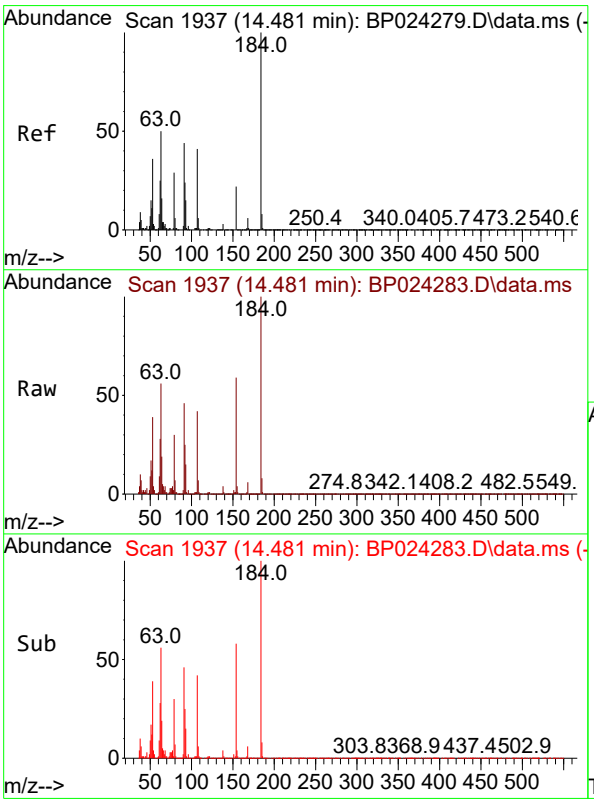
#53
3-Nitroaniline
Concen: 43.931 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:138 Resp: 427828

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	110.2	89.8	134.8

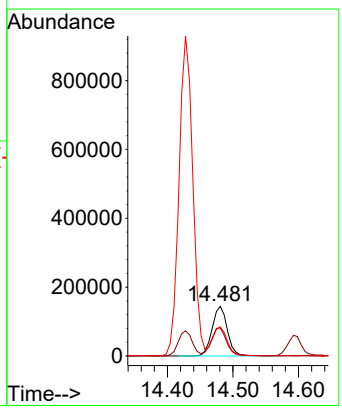


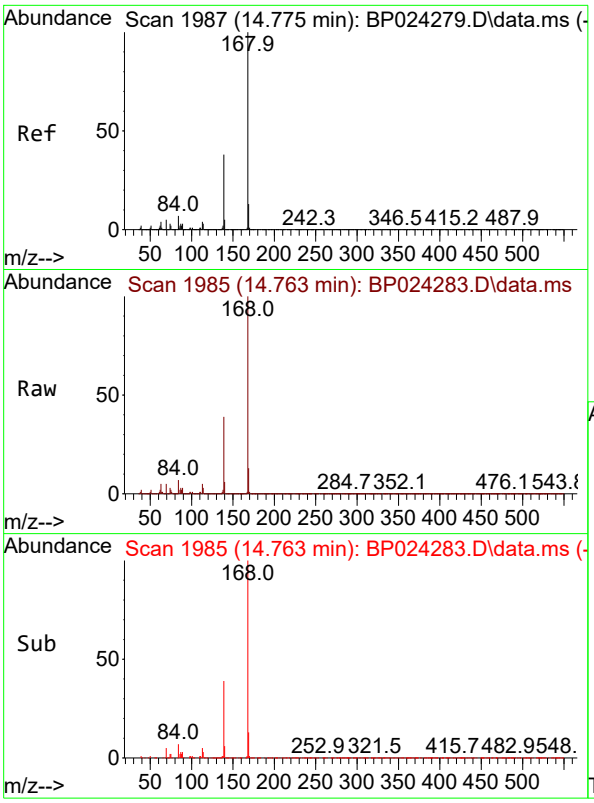


#54
2,4-Dinitrophenol
Concen: 42.485 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:184 Resp: 231882

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.6	64.0
154	58.5	47.2	70.8



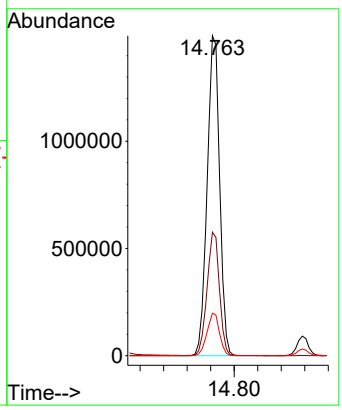


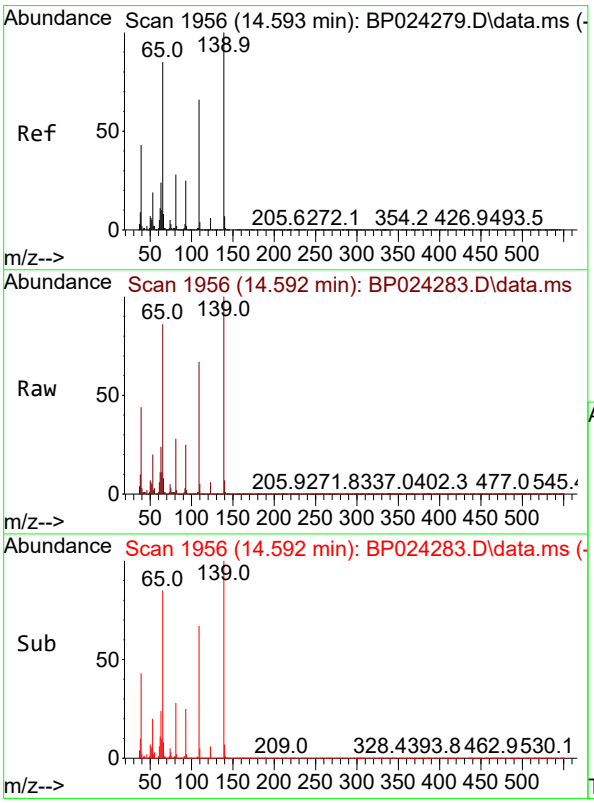
#55
Dibenzofuran
Concen: 40.679 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:168 Resp: 2187786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.3	10.6	16.0

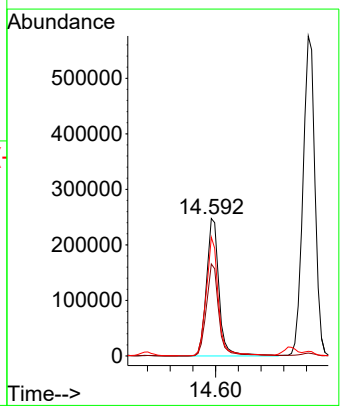


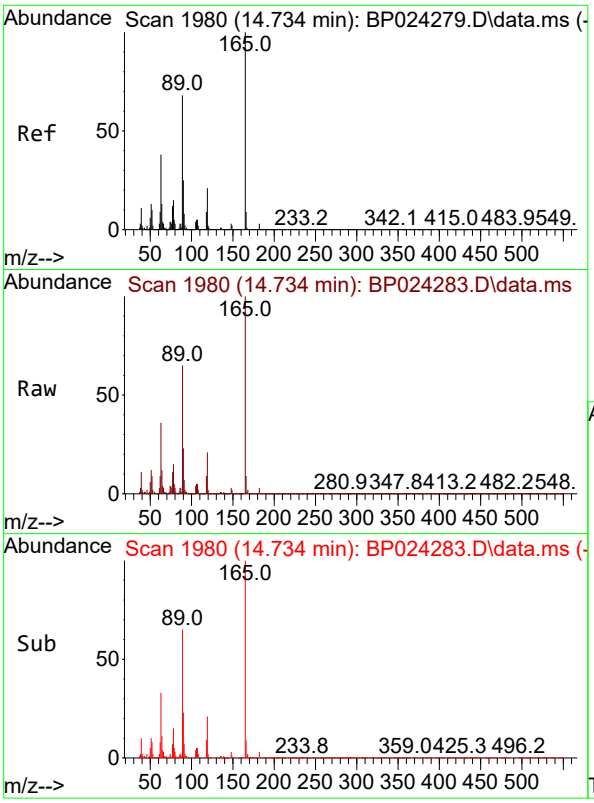


#56
4-Nitrophenol
Concen: 44.968 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 378214

Ion	Ratio	Lower	Upper
139	100		
109	66.9	46.1	86.1
65	86.3	65.0	105.0



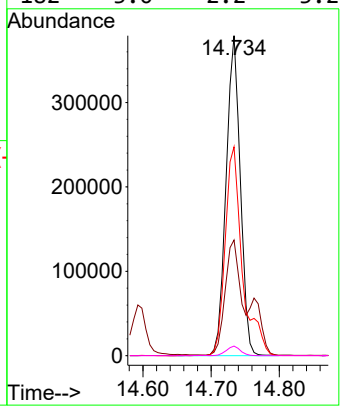


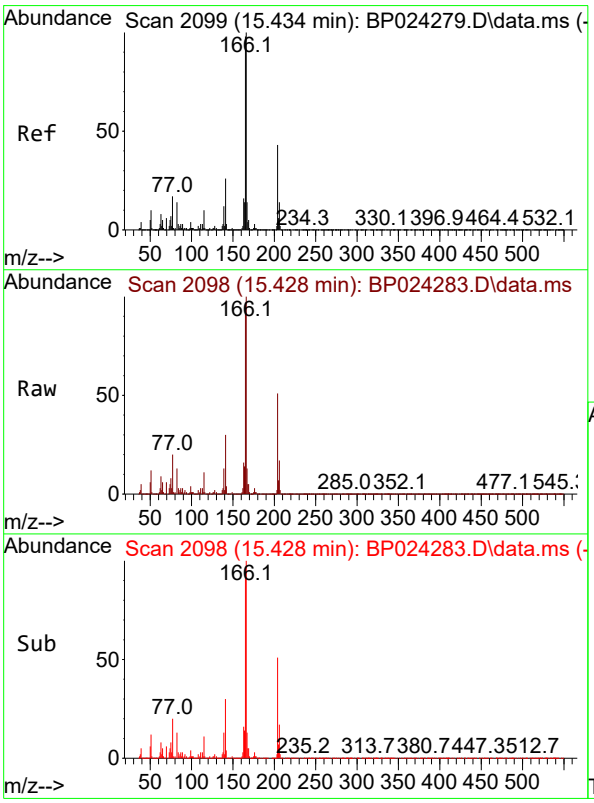
#57
2,4-Dinitrotoluene
Concen: 43.527 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 550175

Ion	Ratio	Lower	Upper
165	100		
63	36.1	30.4	45.6
89	65.2	54.6	82.0
182	3.0	2.2	3.2

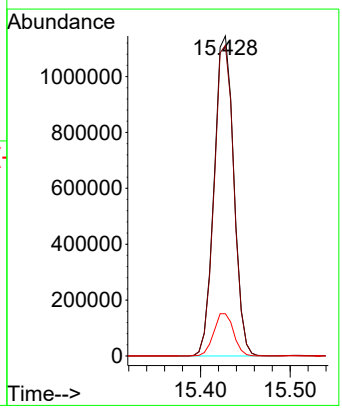


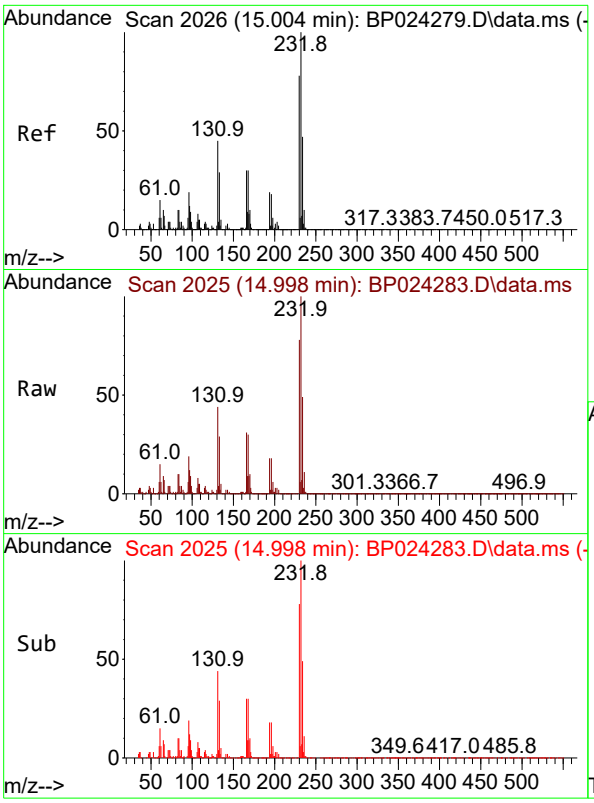


#58
Fluorene
Concen: 41.750 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:166 Resp: 1738215

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.2	10.9	16.3



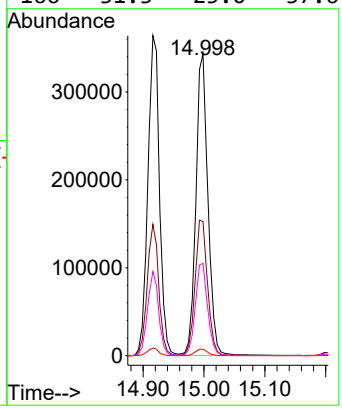


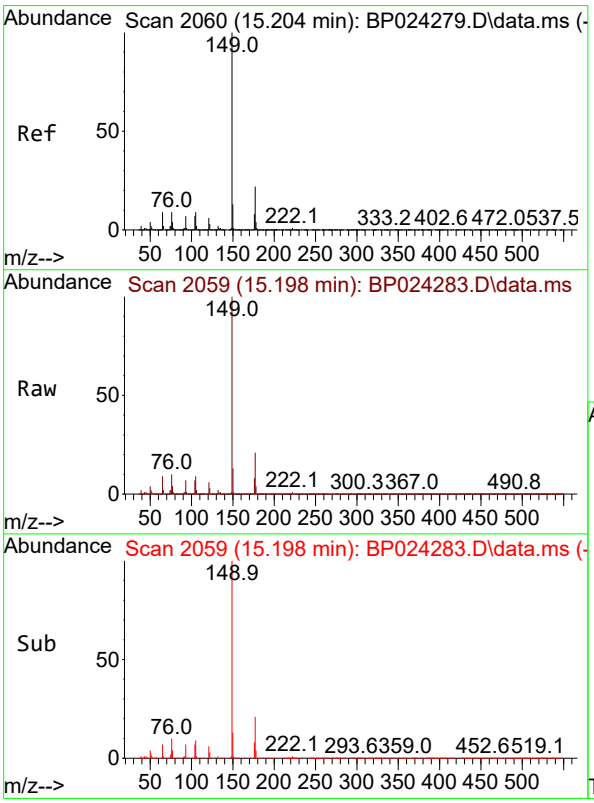
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.995 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:232 Resp: 470547

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.8	55.2
130	2.3	1.9	2.9
166	31.3	25.0	37.6

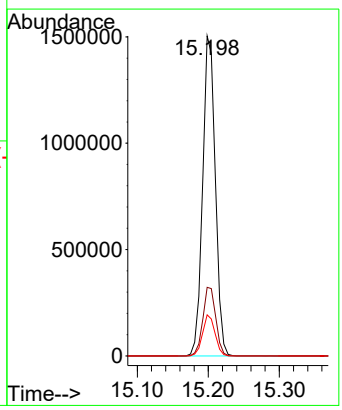


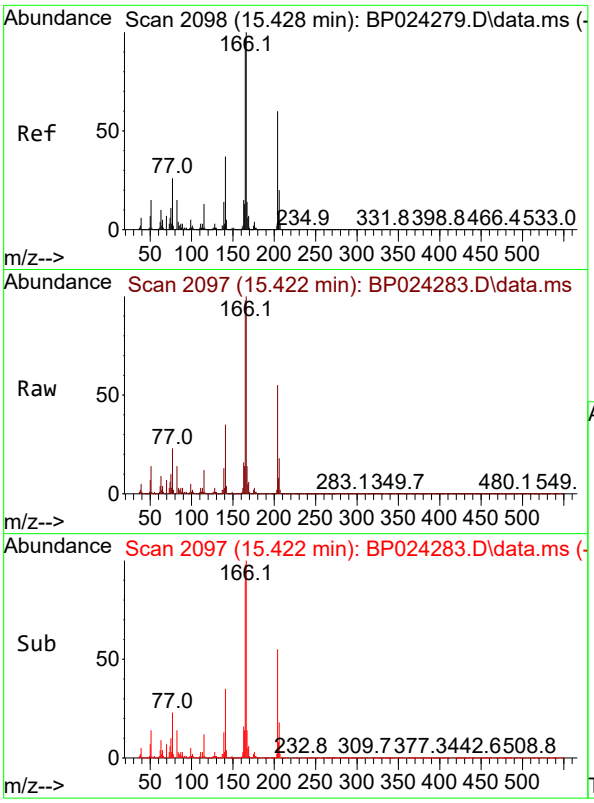


#60
Diethylphthalate
Concen: 41.570 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1869274

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.8	10.1	15.1



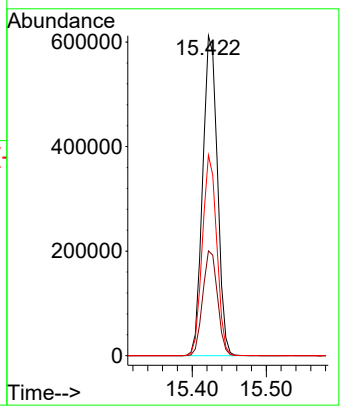


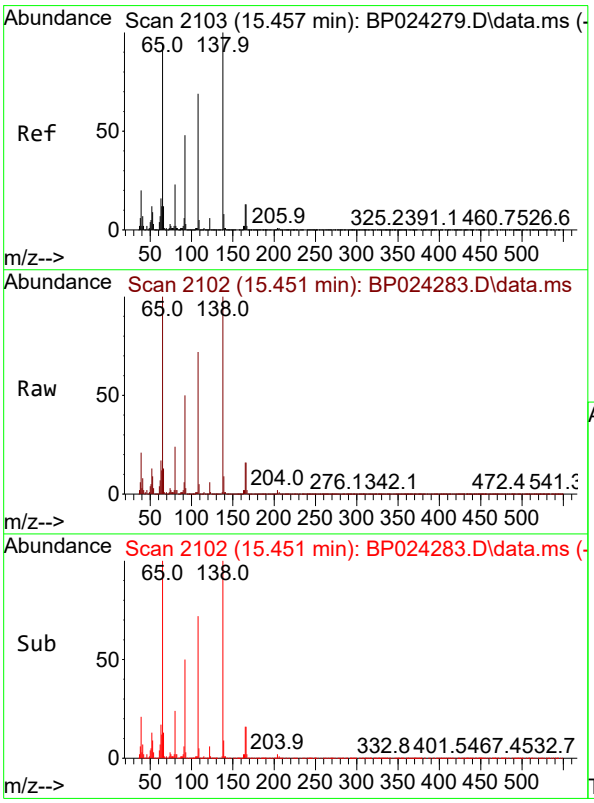
#61
4-Chlorophenyl-phenylether
Concen: 41.777 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:204 Resp: 844629

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.6	49.4	74.0

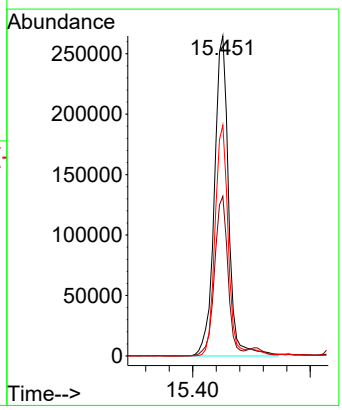


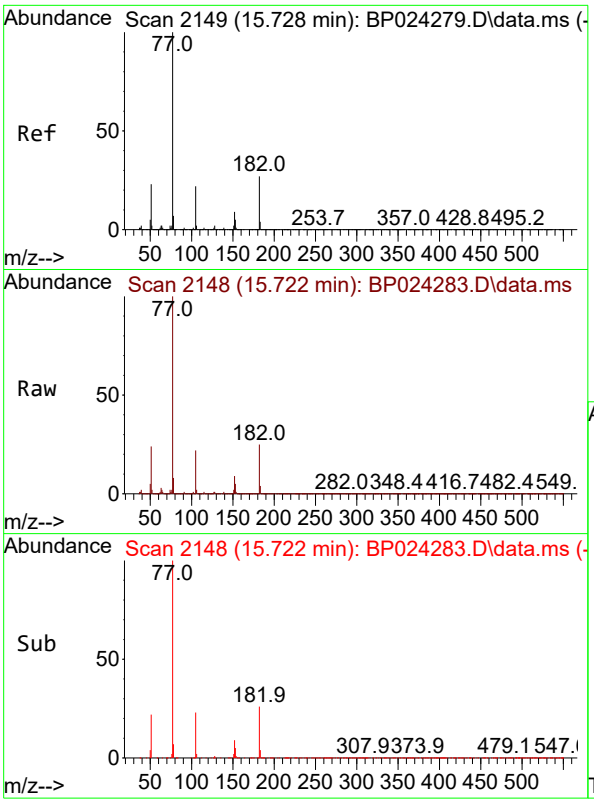


#62
4-Nitroaniline
Concen: 43.114 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:138 Resp: 444482

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	72.1	48.9	88.9



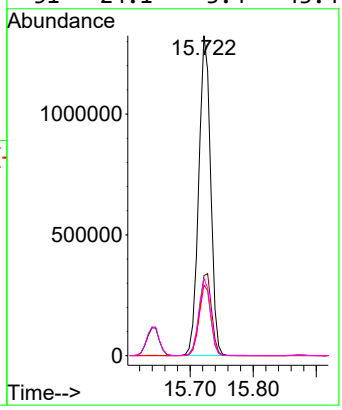


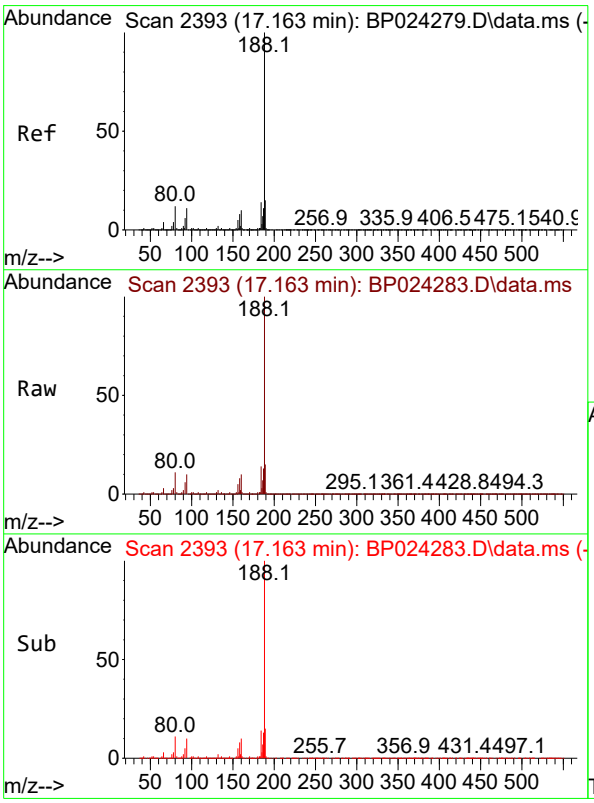
#63
Azobenzene
Concen: 41.686 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 1722900

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.1	2.3	42.3
51	24.1	3.4	43.4

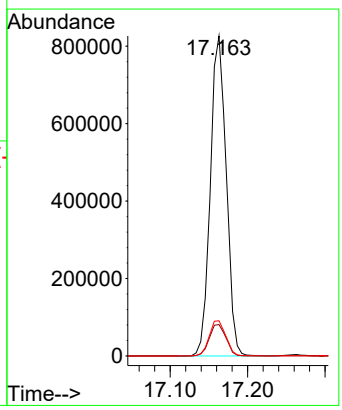


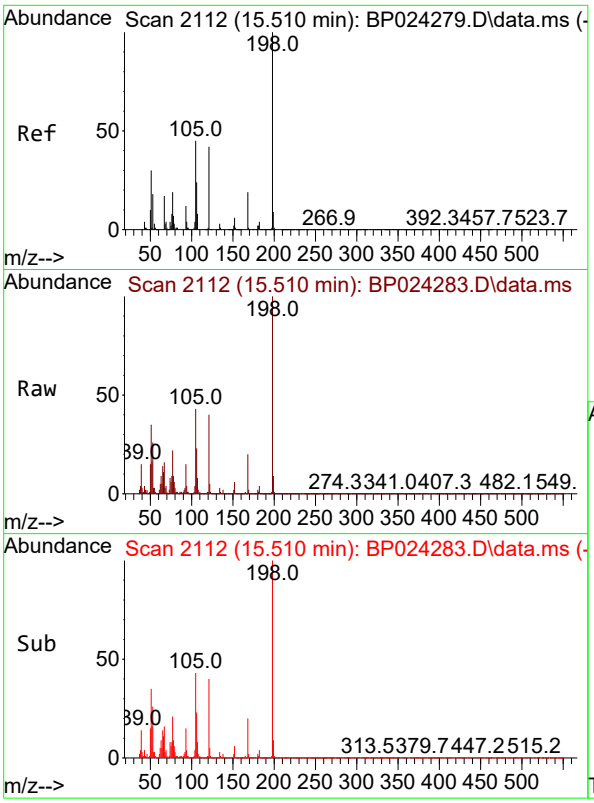


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:188 Resp: 1178916

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	11.0	9.8	14.6



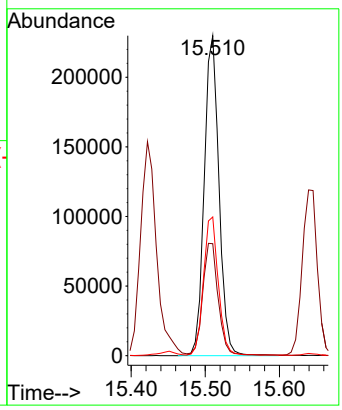


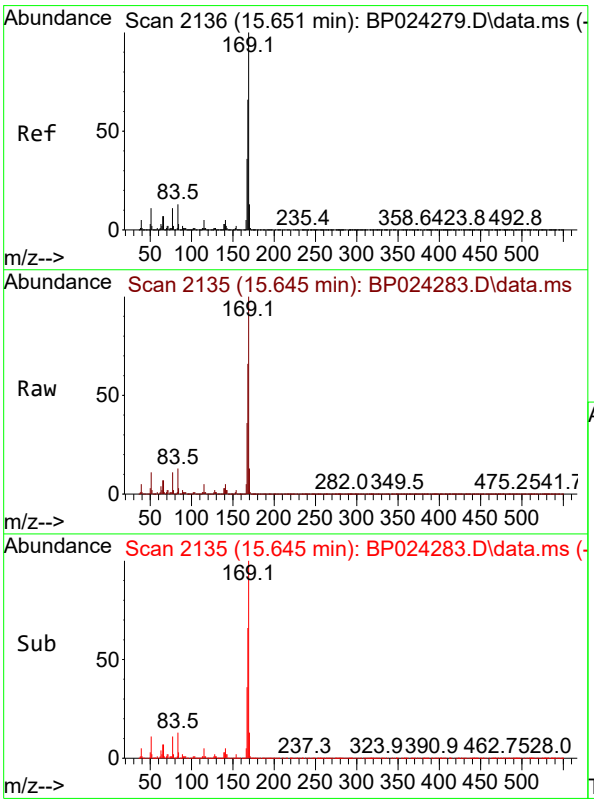
#65
4,6-Dinitro-2-methylphenol
Concen: 42.724 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:198 Resp: 317548

Ion	Ratio	Lower	Upper
198	100		
51	35.0	18.4	58.4
105	43.4	26.5	66.5

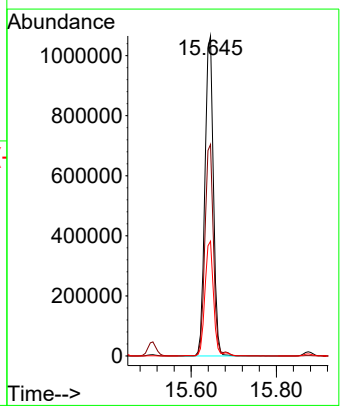


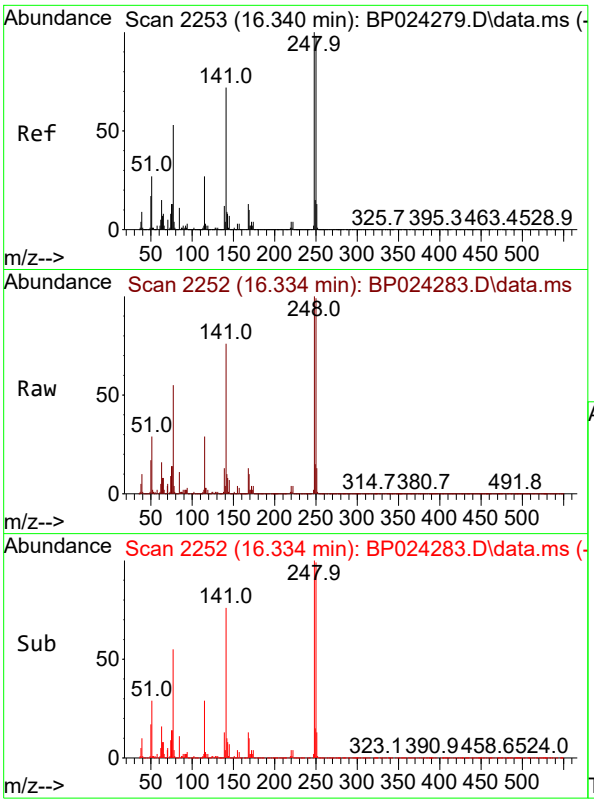


#66
n-Nitrosodiphenylamine
Concen: 41.500 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:169 Resp: 1460282

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.8	28.9	43.3



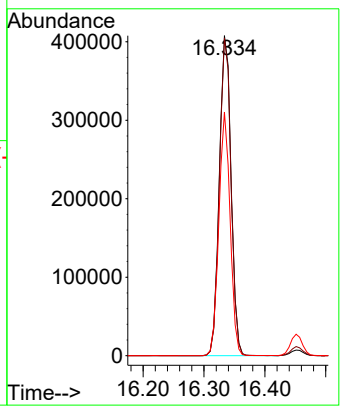


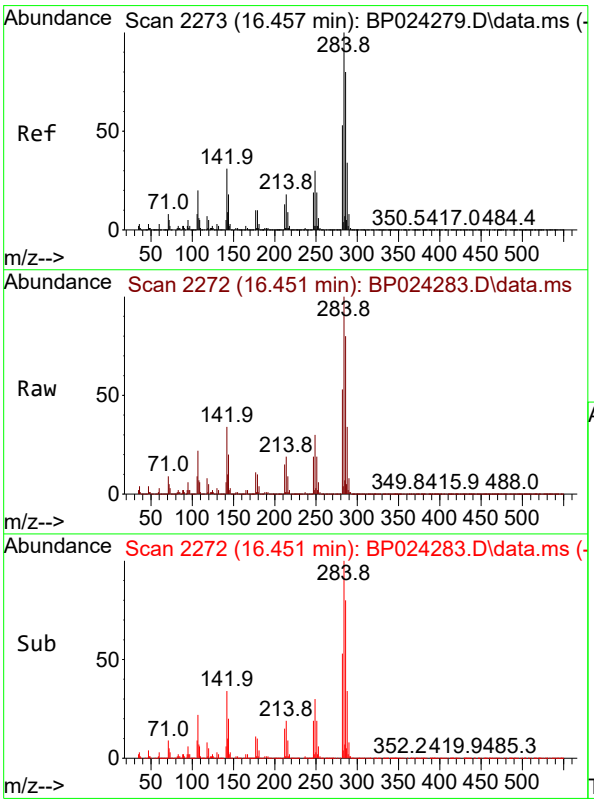
#67
4-Bromophenyl-phenylether
Concen: 42.314 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:248 Resp: 545579

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	76.1	57.7	86.5

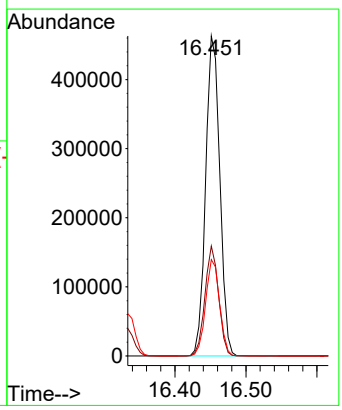


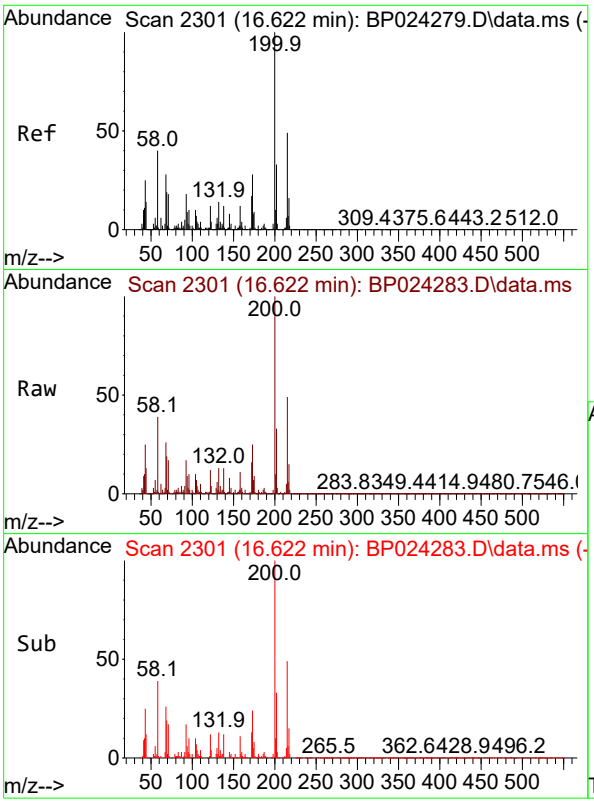


#68
Hexachlorobenzene
Concen: 41.909 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:284 Resp: 642095

Ion	Ratio	Lower	Upper
284	100		
142	34.3	24.6	37.0
249	30.1	23.8	35.6



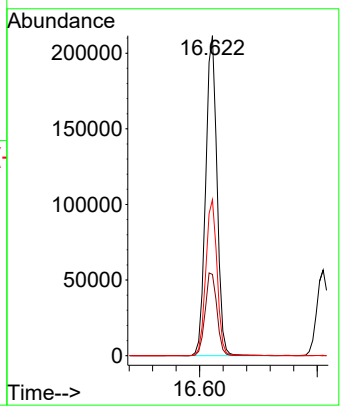


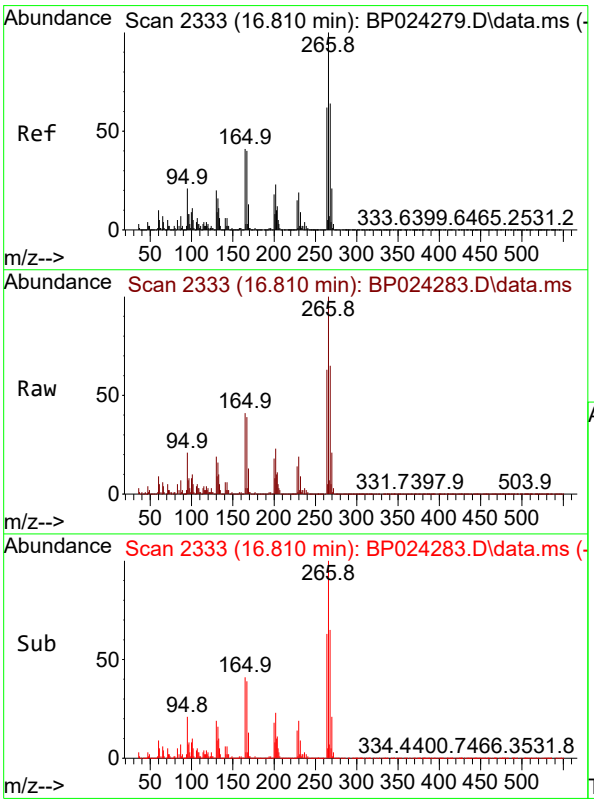
#69
Atrazine
Concen: 31.567 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:200 Resp: 282908

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.7	28.8	68.8

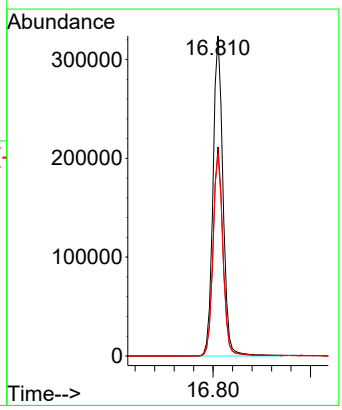


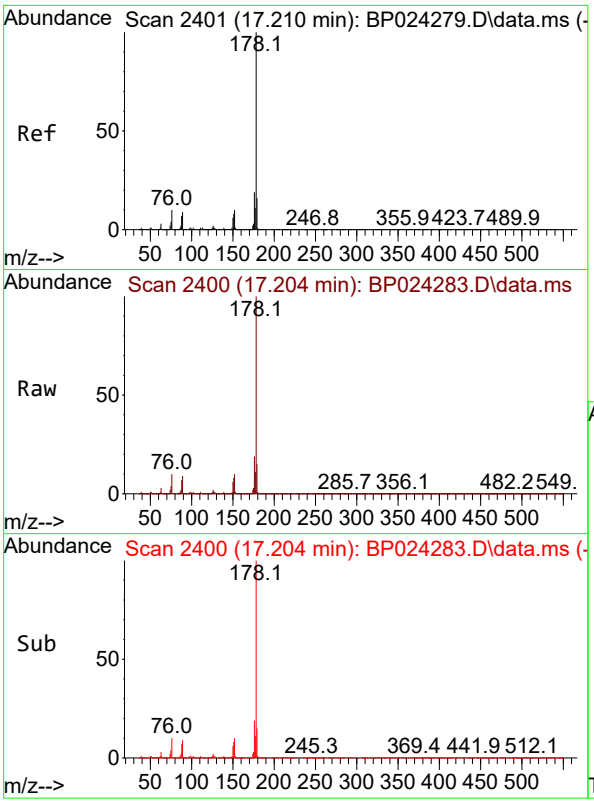


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:266 Resp: 458529

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.6
264	63.0	49.8	74.6



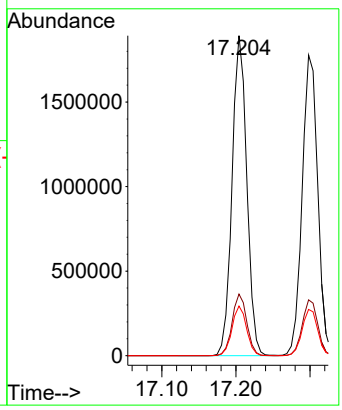


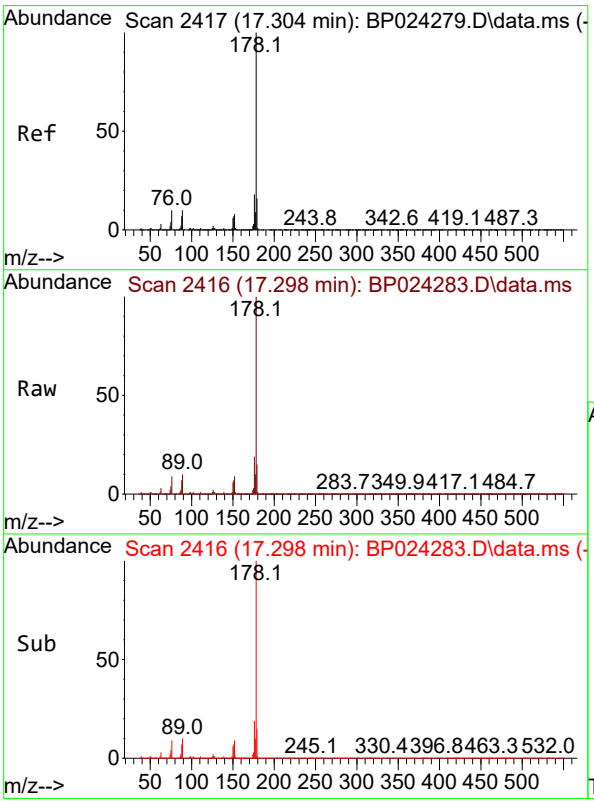
#71
Phenanthrene
Concen: 40.615 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:178 Resp: 2612052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

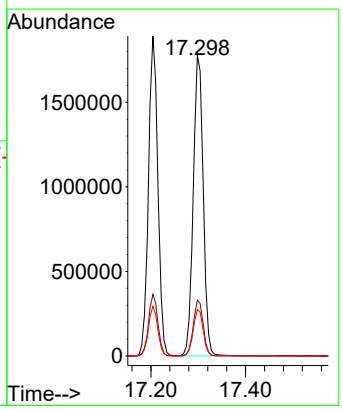


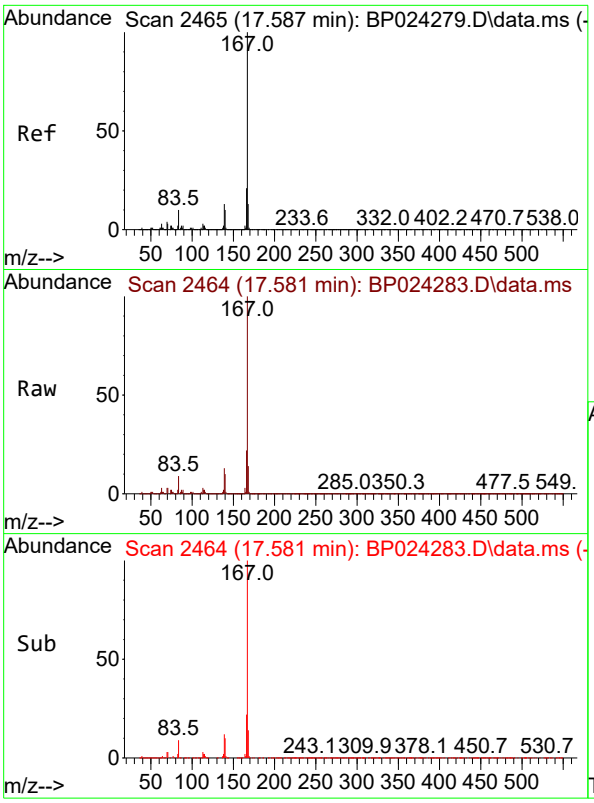


#72
Anthracene
Concen: 42.051 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:178 Resp: 2606508

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



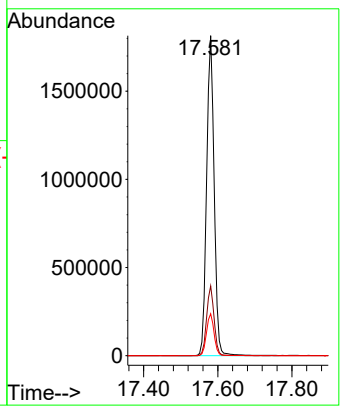


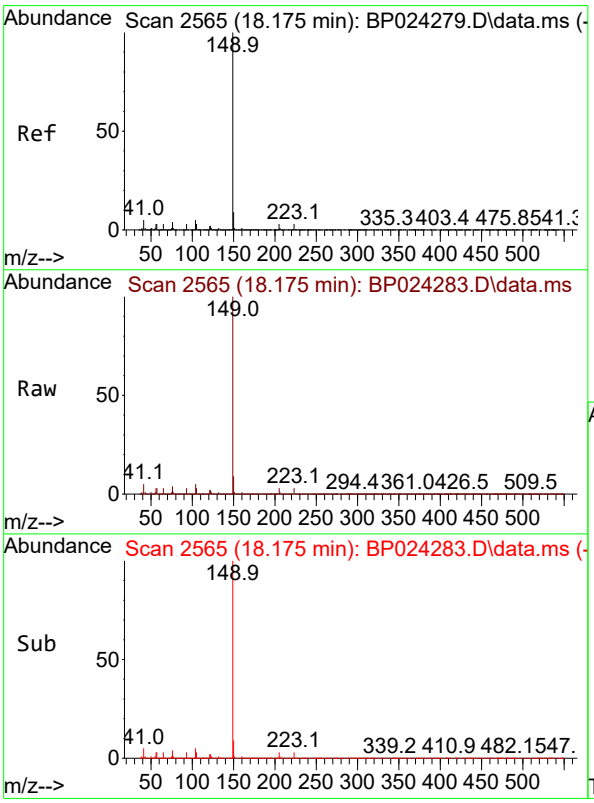
#73
Carbazole
Concen: 42.351 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:167 Resp: 2564955

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.1	10.6	16.0

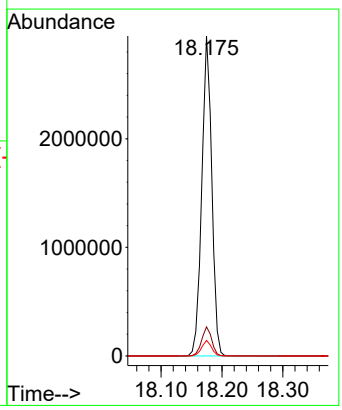


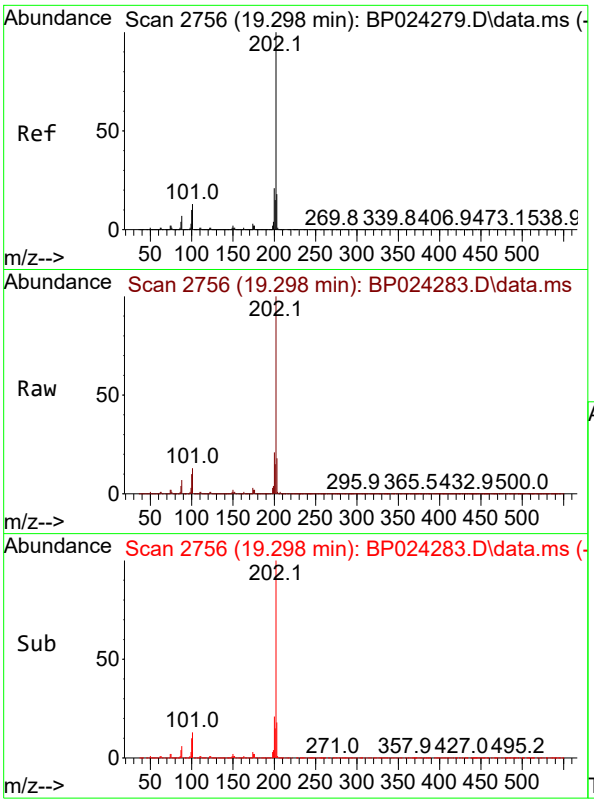


#74
Di-n-butylphthalate
Concen: 44.539 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 3360635

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.9	3.9	5.9



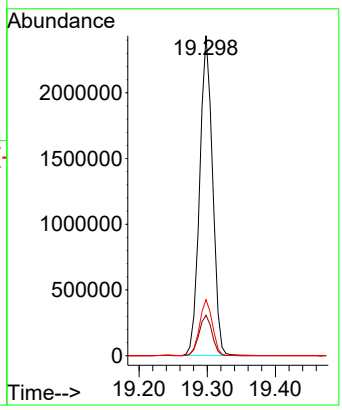


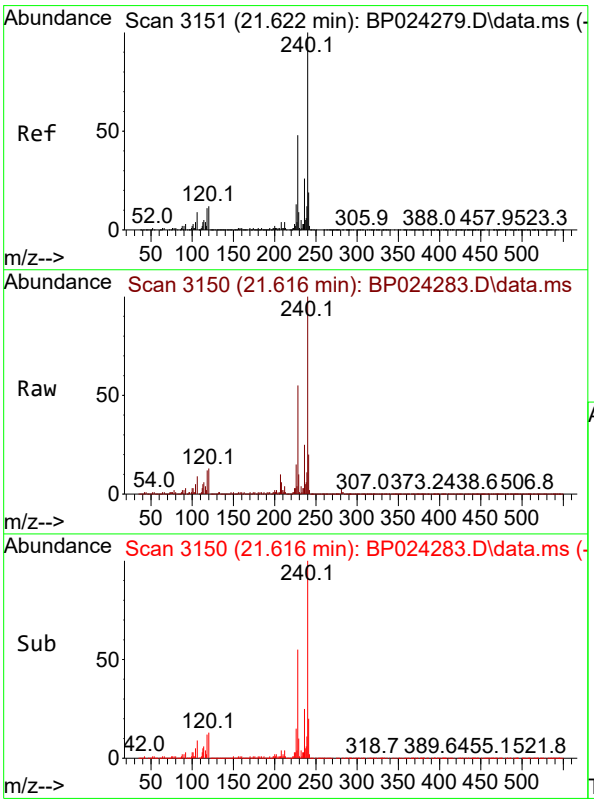
#75
Fluoranthene
Concen: 41.771 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:202 Resp: 3195045

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	37.7

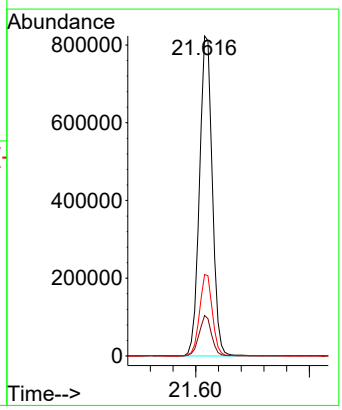


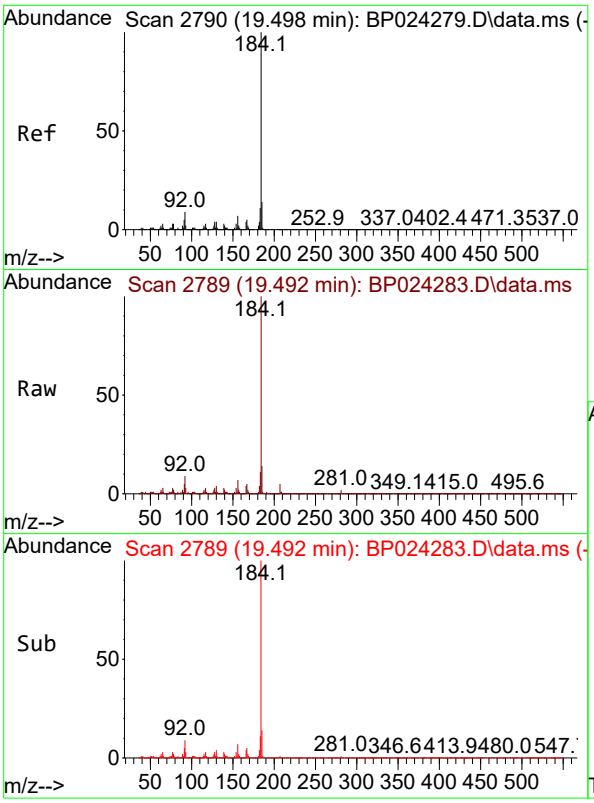


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:240 Resp: 1288125

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



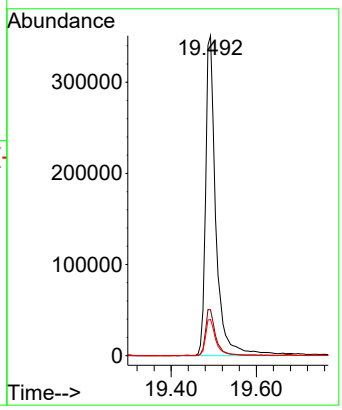


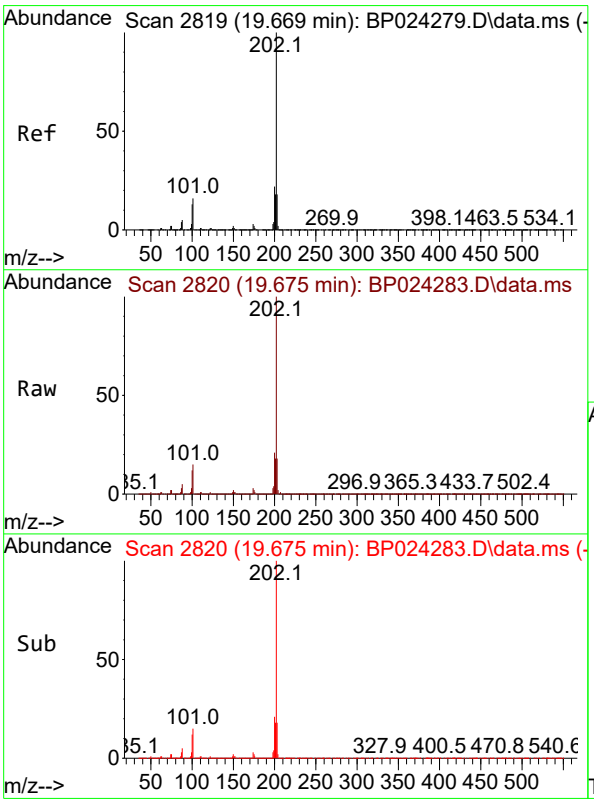
#77
Benzidine
Concen: 36.041 ng
RT: 19.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:184 Resp: 588487

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.3	9.2	13.8

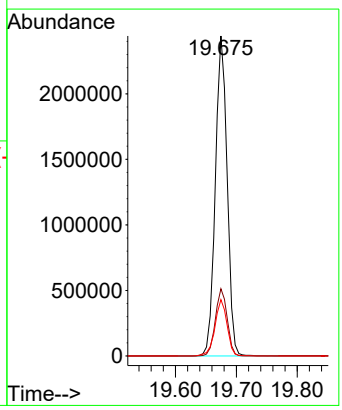


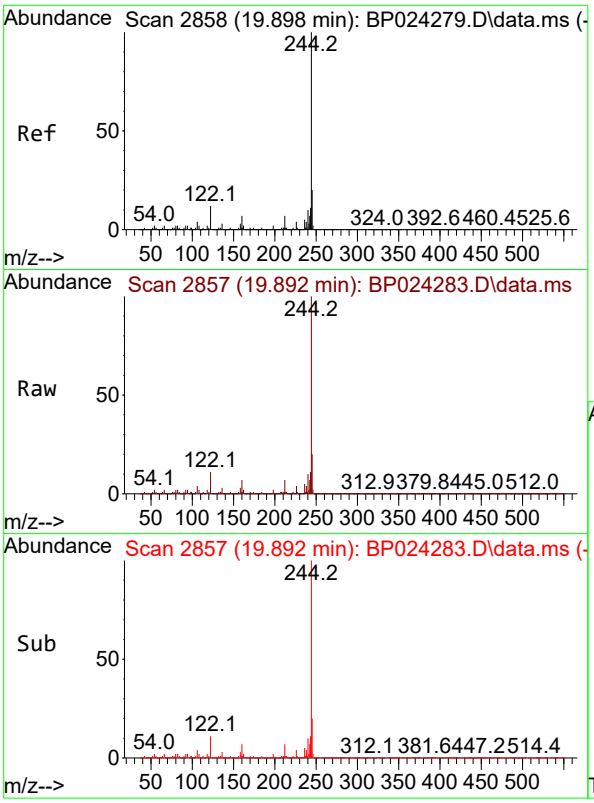


#78
Pyrene
Concen: 40.022 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:202 Resp: 3276290

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.6	14.4	21.6



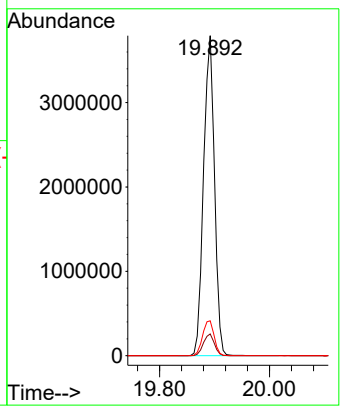


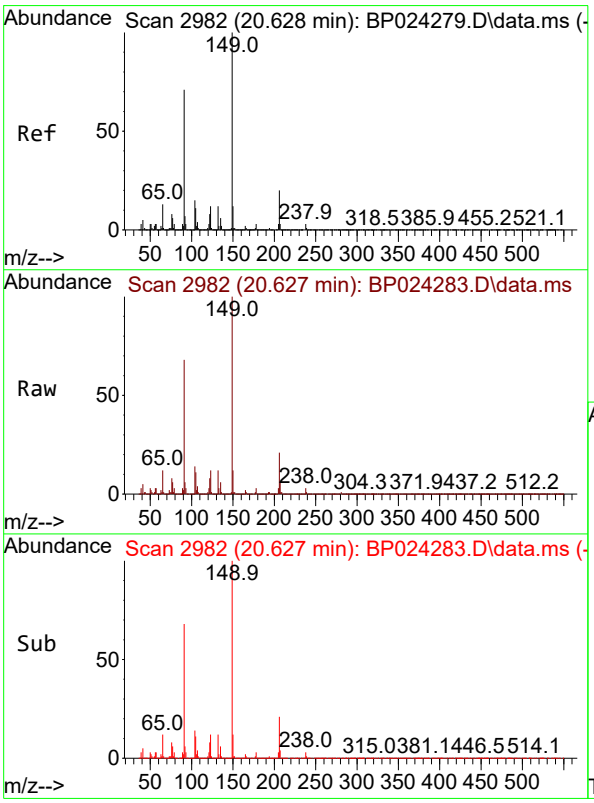
#79
Terphenyl-d14
Concen: 81.649 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:244 Resp: 5217888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.0

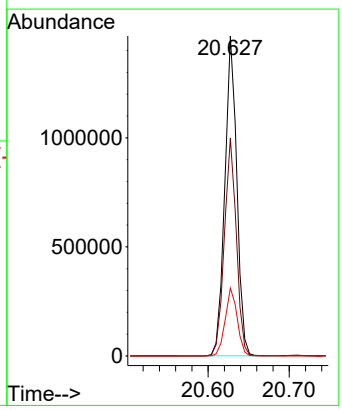


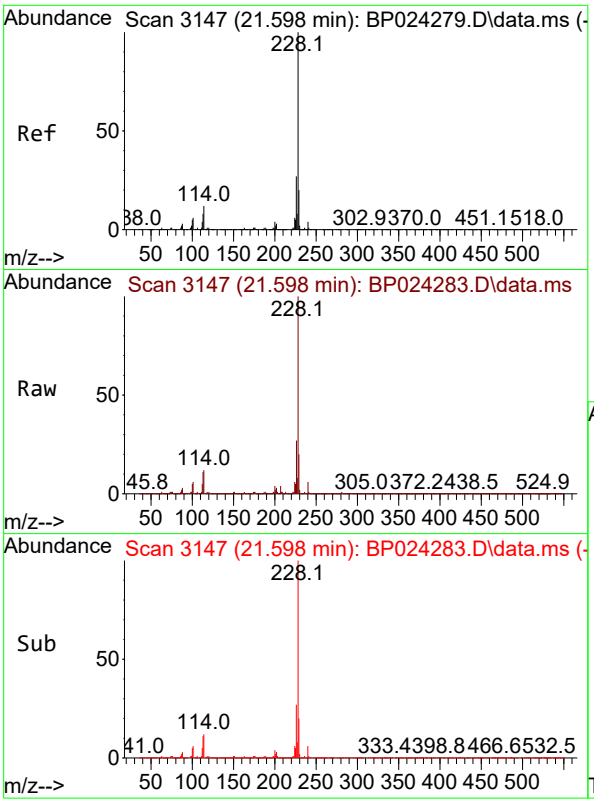


#80
Butylbenzylphthalate
Concen: 43.107 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1511473

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	21.2	16.3	24.5



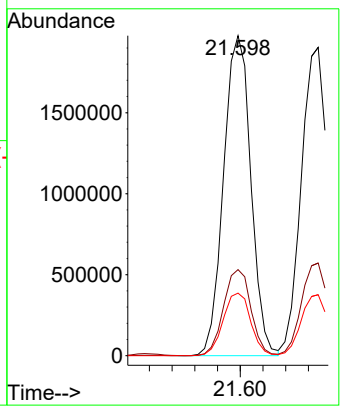


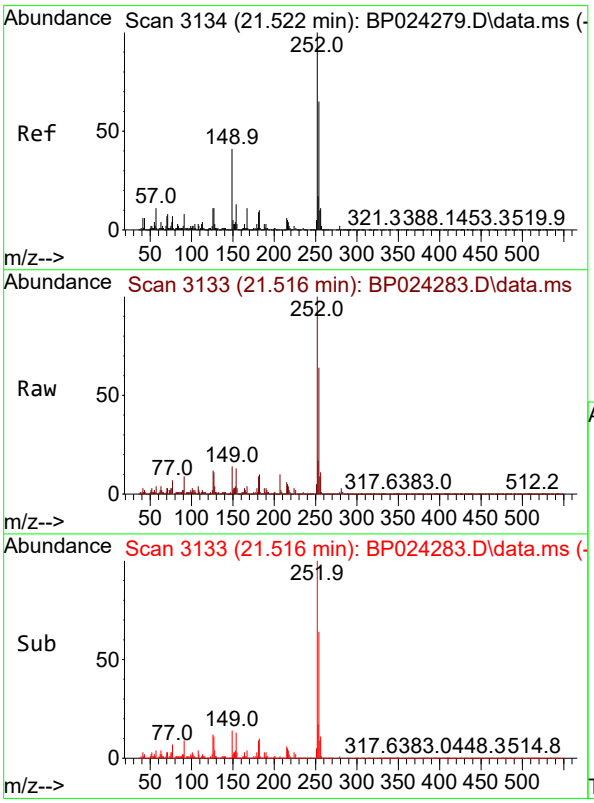
#81
Benzo(a)anthracene
Concen: 41.207 ng
RT: 21.598 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3299250

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9

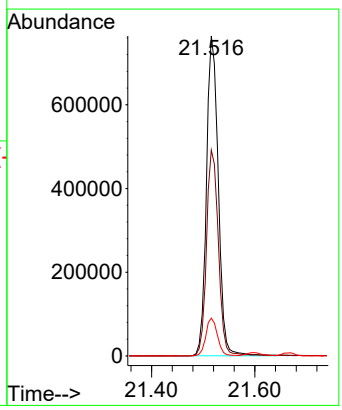


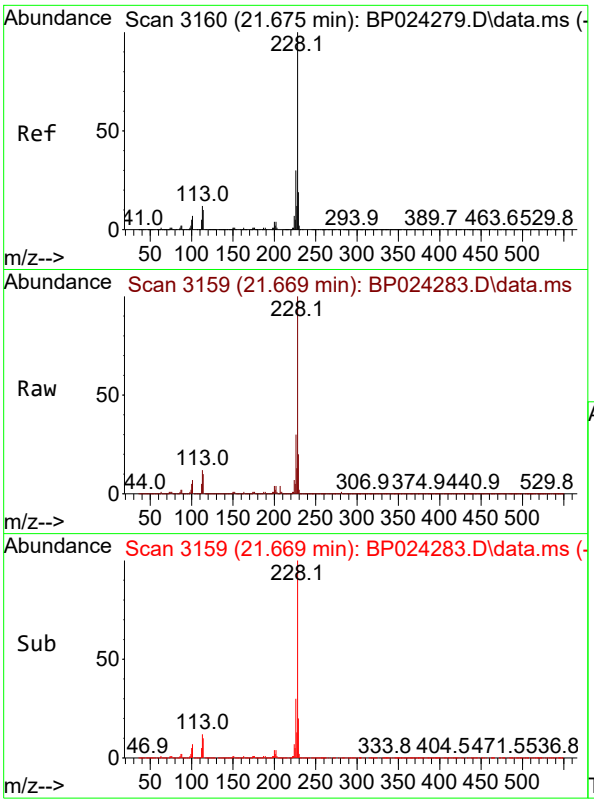


#82
3,3'-Dichlorobenzidine
Concen: 43.139 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 1212290

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	11.8	8.8	13.2



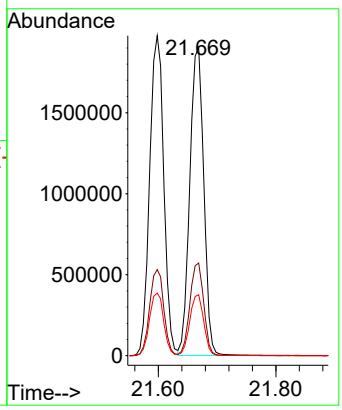


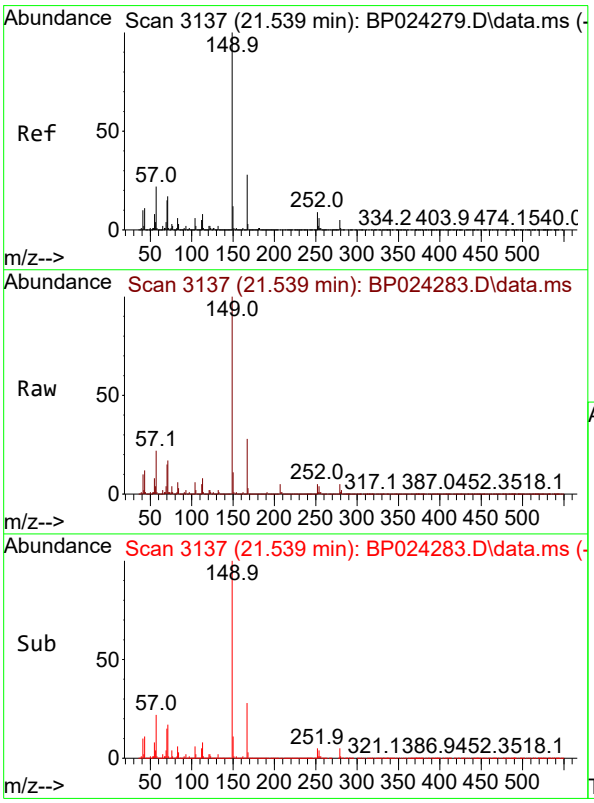
#83
Chrysene
Concen: 40.888 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3136332

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

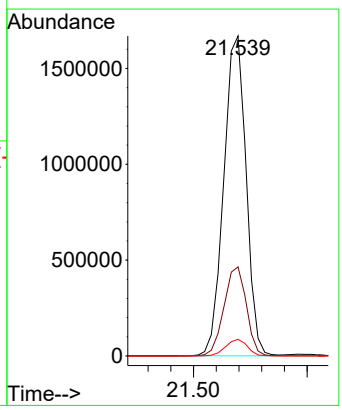


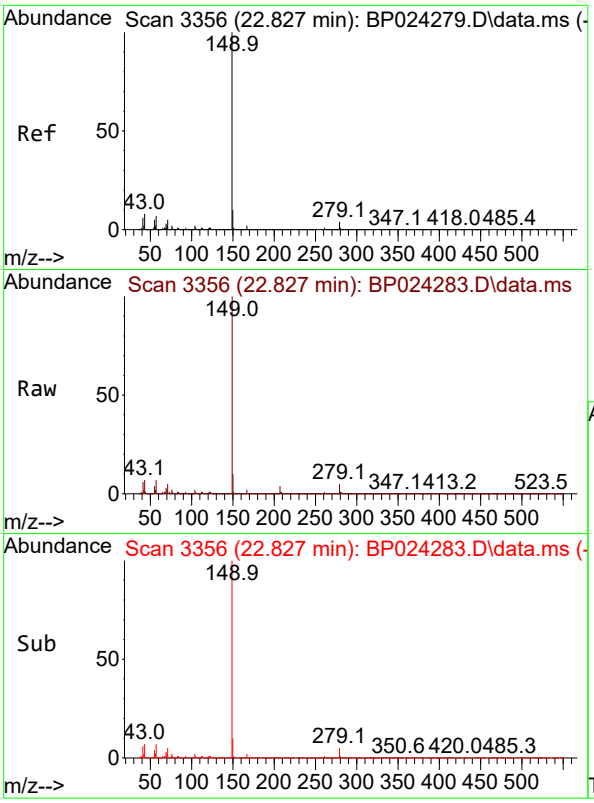


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.400 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 2282222

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



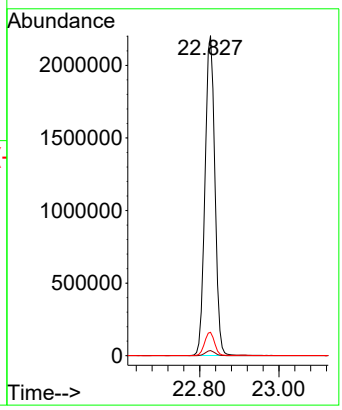


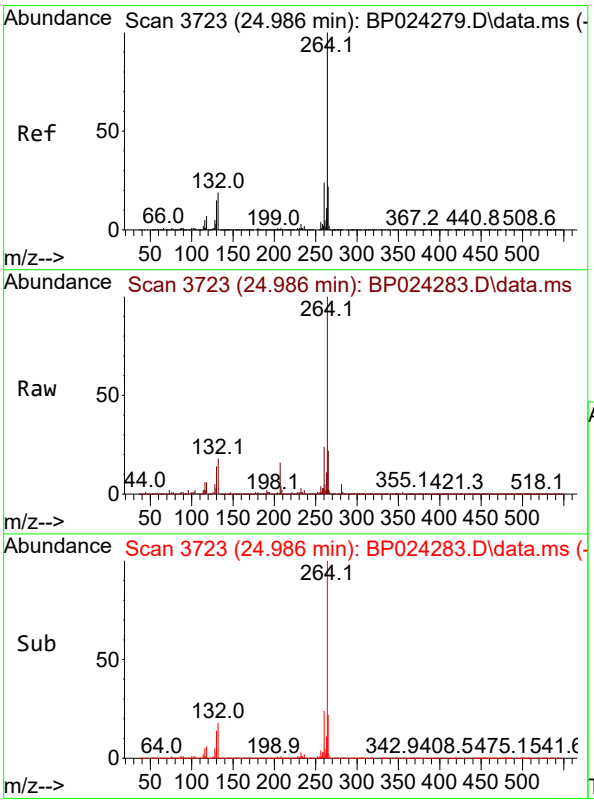
#85
Di-n-octyl phthalate
Concen: 45.513 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:149 Resp: 3803266

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0

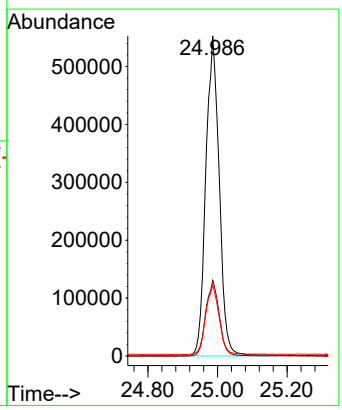


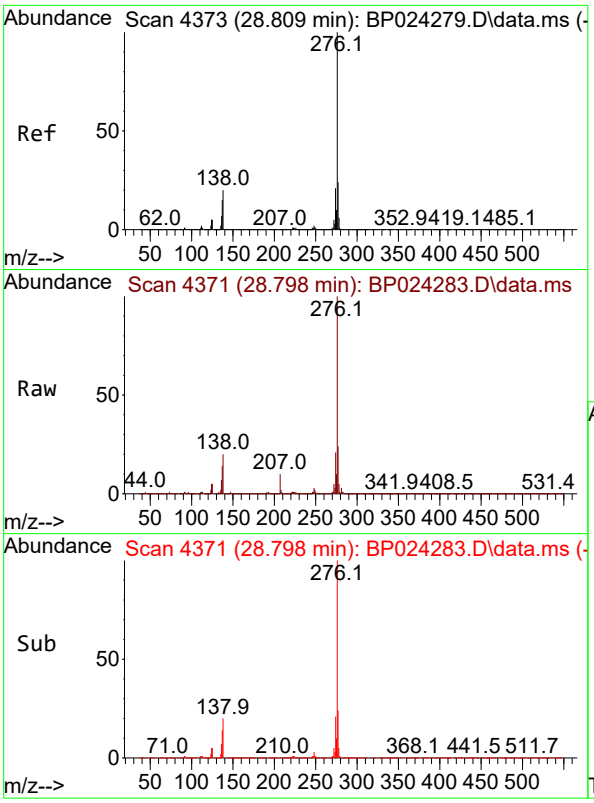


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:264 Resp: 1476872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.8	26.6



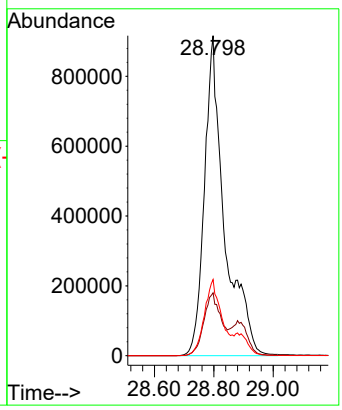


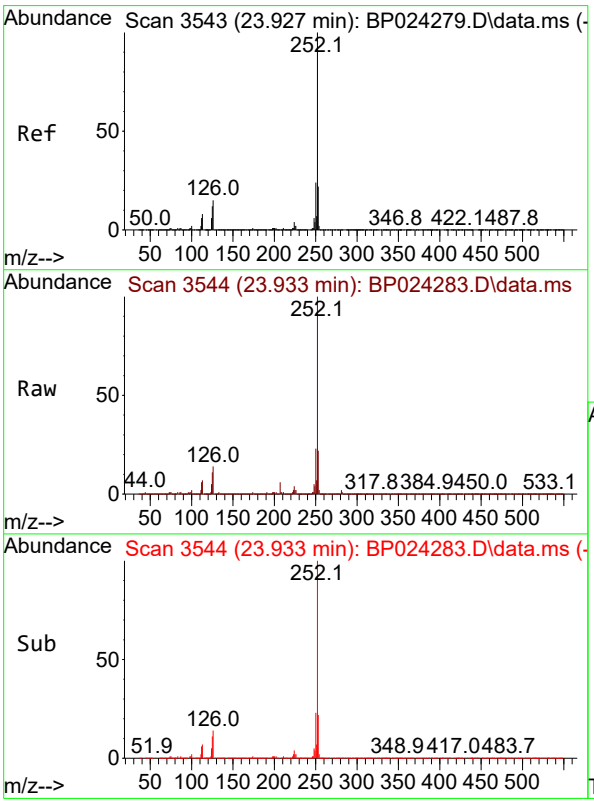
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.071 ng m
RT: 28.798 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:276 Resp: 4313548

Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.5	21.7
277	20.9	20.2	30.2

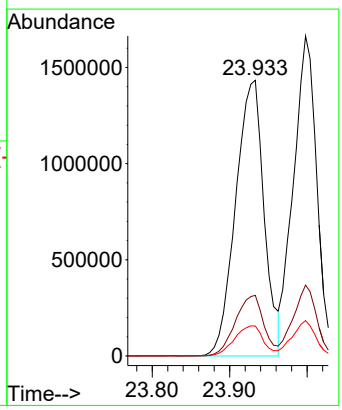


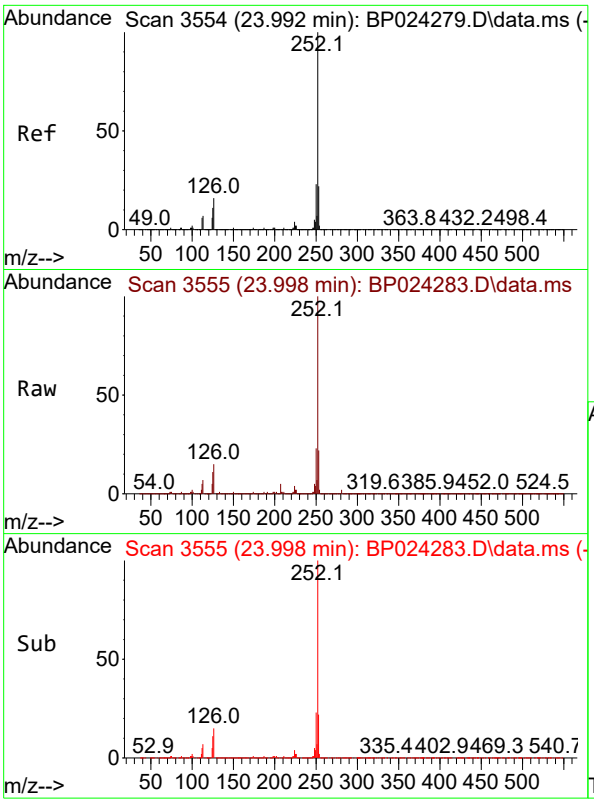


#88
Benzo(b)fluoranthene
Concen: 41.288 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3654984

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	9.4	14.0



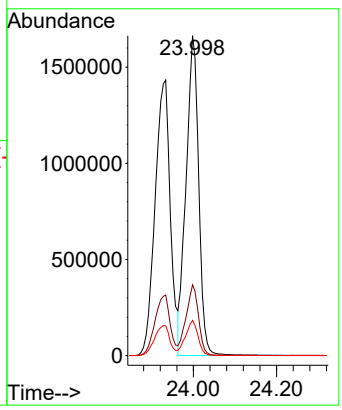


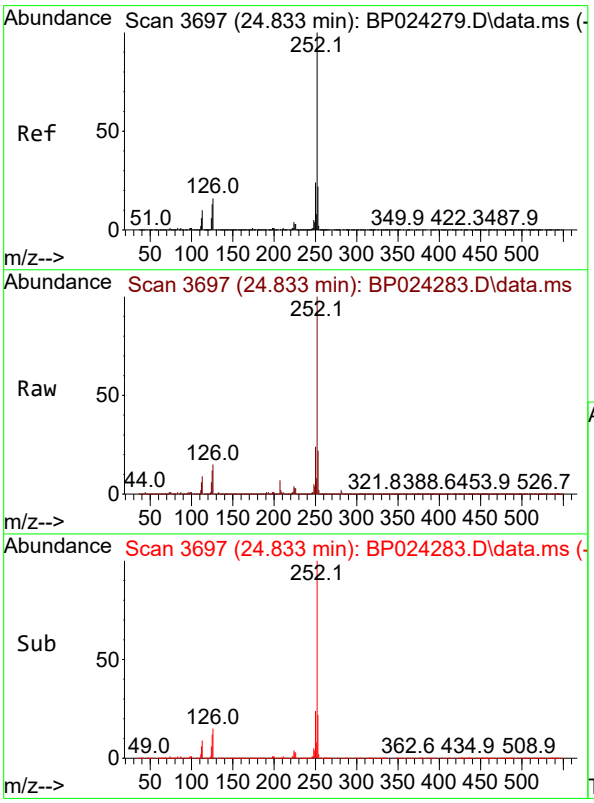
#89
Benzo(k)fluoranthene
Concen: 41.081 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:252 Resp: 3512834

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

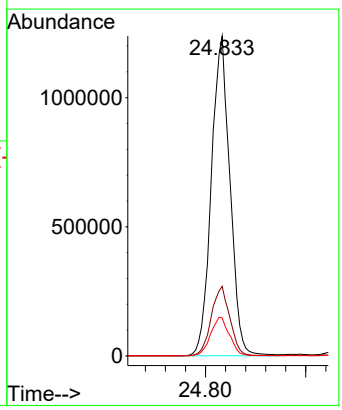


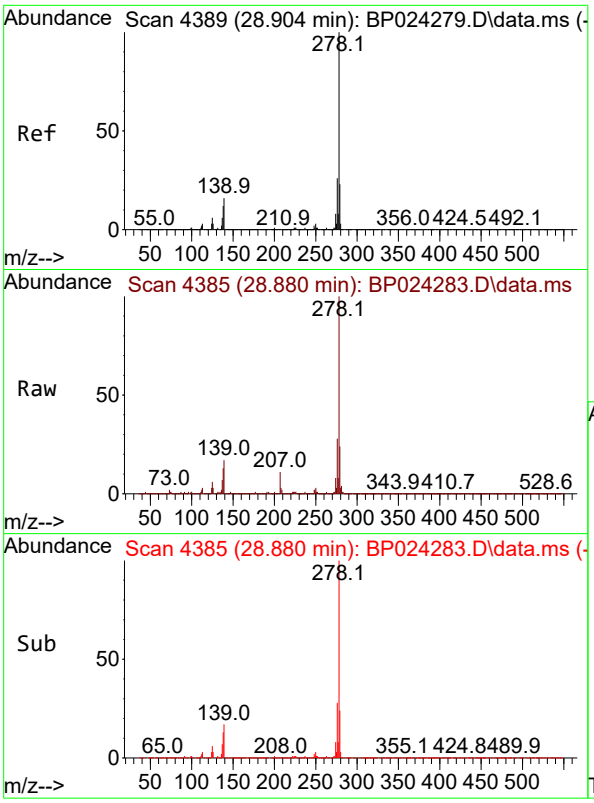


#90
Benzo(a)pyrene
Concen: 41.855 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3196130

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.9	10.1	15.1



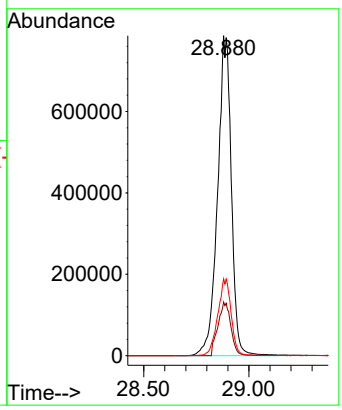


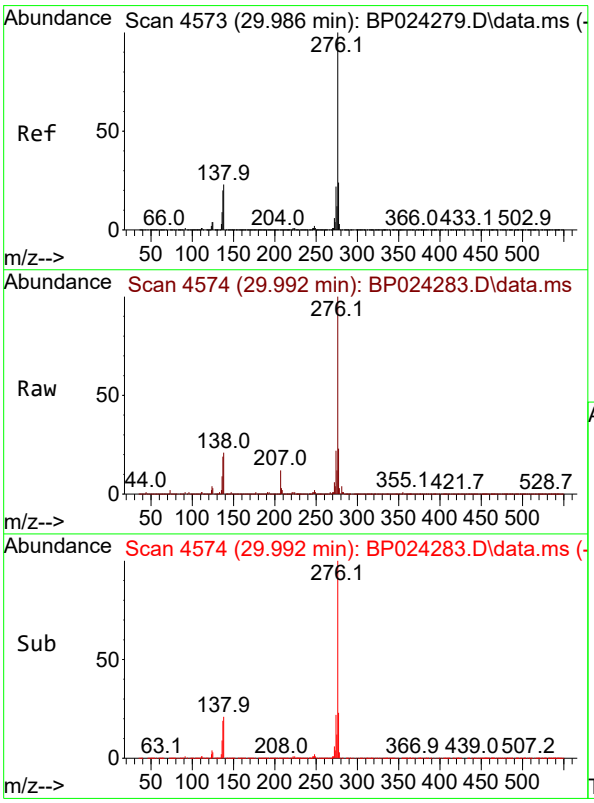
#91
Dibenzo(a,h)anthracene
Concen: 41.902 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:278 Resp: 3566000

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	24.0	18.5	27.7

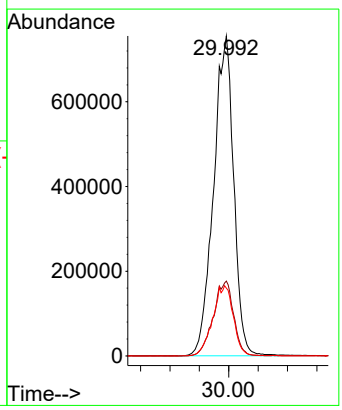




#92
Benzo(g,h,i)perylene
Concen: 41.455 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:276 Resp: 3590938

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.2	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3		Pyridine	1.351	1.349	0.1	91	0.00
4		n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5	S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6		Aniline	1.480	1.531	-3.4	91	0.00
7	S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8		2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9		Benzaldehyde	0.819	0.861	-5.1	97	0.00
10	C	Phenol	1.661	1.674	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12		1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13	C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14		1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15		Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17		2-Methylphenol	1.075	1.103	-2.6	91	0.00
18		Hexachloroethane	0.533	0.540	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20		3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22		Acetophenone	0.495	0.515	-4.0	91	0.00
23	S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24		Nitrobenzene	0.347	0.360	-3.7	90	0.00
25		Isophorone	0.635	0.661	-4.1	90	0.00
26	C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27		2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31		Naphthalene	1.054	1.090	-3.4	92	0.00
32		Benzoic acid	0.248	0.254	-2.4	96	-0.04
33		4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34	C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35		Caprolactam	0.107	0.113	-5.6	92	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37		2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38		1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45	S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46		1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47		2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.327	-6.2	90	-0.01
49		Acenaphthylene	1.730	1.807	-4.5	91	0.00
50		Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52	C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53		3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54	P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55		Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56	P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57		2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58		Fluorene	1.388	1.448	-4.3	95	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60		Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62		4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63		Azobenzene	1.378	1.436	-4.2	92	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67		4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68		Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69		Atrazine	0.152	0.120	21.1	92	0.00
70	C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71		Phenanthrene	1.091	1.108	-1.6	91	-0.02
72		Anthracene	1.052	1.105	-5.0	92	-0.02
73		Carbazole	1.027	1.088	-5.9	93	-0.02
74		Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75	C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.254	0.228	10.2	50#	-0.02
78		Pyrene	1.271	1.272	-0.1	93	-0.01
79	S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80		Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81		Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82		3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83		Chrysene	1.191	1.217	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85	c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88		Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89		Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90	C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92		Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3		Pyridine	40.000	39.955	0.1	91	0.00
4		n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5	S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6		Aniline	40.000	41.370	-3.4	91	0.00
7	S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8		2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9		Benzaldehyde	40.000	42.024	-5.1	97	0.00
10	C	Phenol	40.000	40.306	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12		1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14		1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15		Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17		2-Methylphenol	40.000	41.046	-2.6	91	0.00
18		Hexachloroethane	40.000	40.522	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20		3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22		Acetophenone	40.000	41.652	-4.1	91	0.00
23	S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24		Nitrobenzene	40.000	41.537	-3.8	90	0.00
25		Isophorone	40.000	41.648	-4.1	90	0.00
26	C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27		2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29	C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31		Naphthalene	40.000	41.386	-3.5	92	0.00
32		Benzoic acid	40.000	40.959	-2.4	96	-0.04
33		4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34	C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35		Caprolactam	40.000	42.152	-5.4	92	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37		2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38		1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44		2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46		1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47		2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.475	-6.2	90	-0.01
49		Acenaphthylene	40.000	41.783	-4.5	91	0.00
50		Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51		2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52	C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53		3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54	P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55		Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56	P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57		2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58		Fluorene	40.000	41.750	-4.4	95	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60		Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62		4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63		Azobenzene	40.000	41.686	-4.2	92	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67		4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68		Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69		Atrazine	40.000	31.567	21.1	92	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71		Phenanthrene	40.000	40.615	-1.5	91	-0.02
72		Anthracene	40.000	42.051	-5.1	92	-0.02
73		Carbazole	40.000	42.351	-5.9	93	-0.02
74		Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75	C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	36.041	9.9	50	-0.02
78		Pyrene	40.000	40.022	-0.1	93	-0.01
79	S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80		Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81		Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83		Chrysene	40.000	40.888	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85	c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88		Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89		Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90	C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date/Time: 04/10/2025 09:32

Lab File ID: BM049876.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.274	1.248		-2.0	
2-Fluorophenol	1.178	1.166		-1.0	
Phenol-d6	1.465	1.437		-1.9	
1,4-Dichlorobenzene	1.436	1.427		-0.6	20.0
2-Methylphenol	0.881	0.857		-2.7	
3+4-Methylphenols	1.201	1.171		-2.5	
Nitrobenzene-d5	0.359	0.367		2.2	
Hexachloroethane	0.500	0.490		-2.0	
Nitrobenzene	0.346	0.348		0.6	
Hexachlorobutadiene	0.247	0.257		4.0	20.0
2,4,6-Trichlorophenol	0.445	0.462		3.8	20.0
2-Fluorobiphenyl	1.475	1.523		3.3	
2,4,5-Trichlorophenol	0.484	0.499		3.1	
2,4-Dinitrotoluene	0.394	0.418		6.1	
2,4,6-Tribromophenol	0.291	0.295		1.4	
Hexachlorobenzene	0.266	0.274		3.0	
Pentachlorophenol	0.196	0.195		-0.5	20.0
Terphenyl-d14	1.067	1.192		11.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	319220	20.000	ng		0.00
21) Naphthalene-d8	10.574	136	1042650	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	653251	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1279702	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1240973	20.000	ng		0.00
86) Perylene-d12	24.397	264	1368352	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	1489448	79.230	ng		0.00
7) Phenol-d6	6.951	99	1835259	78.466	ng		0.00
23) Nitrobenzene-d5	8.933	82	1528609	81.639	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	771794	81.226	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	3980551	82.628	ng		0.00
79) Terphenyl-d14	19.786	244	5918915	89.384	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	303115	39.152	ng		99
3) Pyridine	3.663	79	796815	39.173	ng		98
4) n-Nitrosodimethylamine	3.569	42	307458	39.718	ng		95
6) Aniline	7.104	93	806150	40.224	ng		100
8) 2-Chlorophenol	7.345	128	758611	39.377	ng		99
9) Benzaldehyde	6.916	77	438868	36.564	ng		100
10) Phenol	6.981	94	896341	39.271	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	704248	39.346	ng		99
12) 1,3-Dichlorobenzene	7.669	146	912645	40.069	ng		98
13) 1,4-Dichlorobenzene	7.816	146	911298	39.763	ng		99
14) 1,2-Dichlorobenzene	8.128	146	857096	39.705	ng		99
15) Benzyl Alcohol	8.016	79	578059	39.248	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.310	45	783113	39.254	ng		100
17) 2-Methylphenol	8.222	107	547247	38.907	ng		100
18) Hexachloroethane	8.857	117	312572	39.202	ng		97
19) n-Nitroso-di-n-propyla...	8.586	70	508773	39.274	ng		99
20) 3+4-Methylphenols	8.551	107	747832	38.998	ng		99
22) Acetophenone	8.598	105	1025739	40.480	ng	#	98
24) Nitrobenzene	8.975	77	725038	40.214	ng		97
25) Isophorone	9.504	82	1266219	40.369	ng		99
26) 2-Nitrophenol	9.686	139	396697	41.513	ng		99
27) 2,4-Dimethylphenol	9.751	122	445043	41.095	ng		100
28) bis(2-Chloroethoxy)met...	9.986	93	848995	40.430	ng		99
29) 2,4-Dichlorophenol	10.222	162	737969	40.995	ng		100
30) 1,2,4-Trichlorobenzene	10.439	180	853822	40.999	ng		100
31) Naphthalene	10.622	128	2168888	40.483	ng		100
32) Benzoic acid	9.886	122	507659	39.630	ng		98
33) 4-Chloroaniline	10.727	127	776309	41.035	ng		99
34) Hexachlorobutadiene	10.910	225	536216	41.626	ng		97
35) Caprolactam	11.510	113	201494	39.026	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	632987	40.143	ng		100
37) 2-Methylnaphthalene	12.239	142	1541101	40.827	ng		99
38) 1-Methylnaphthalene	12.457	142	1487131	40.439	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	948924	41.521	ng		99
41) Hexachlorocyclopentadiene	12.592	237	348379	43.503	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	603479	41.497	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

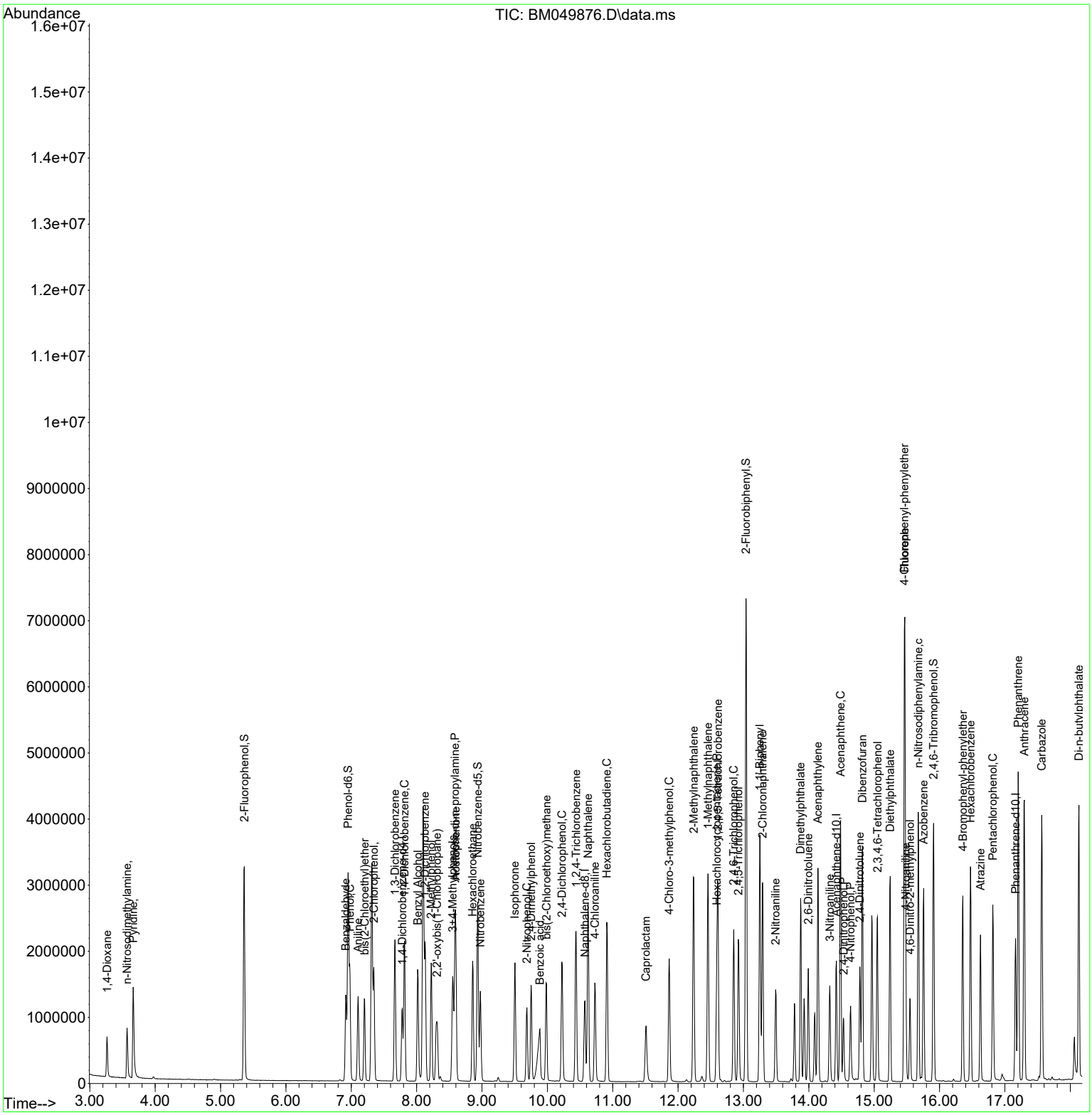
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	651481	41.224	ng	98
46) 1,1'-Biphenyl	13.251	154	1989806	40.976	ng	99
47) 2-Chloronaphthalene	13.292	162	1556856	40.790	ng	99
48) 2-Nitroaniline	13.492	65	359891	40.758	ng	97
49) Acenaphthylene	14.139	152	2270125	40.832	ng	100
50) Dimethylphthalate	13.874	163	1875746	40.701	ng	99
51) 2,6-Dinitrotoluene	13.992	165	402852	41.722	ng	98
52) Acenaphthene	14.486	154	1444316	40.841	ng	99
53) 3-Nitroaniline	14.321	138	396394	42.476	ng	97
54) 2,4-Dinitrophenol	14.533	184	243202	38.865	ng	97
55) Dibenzofuran	14.821	168	2410617	40.776	ng	99
56) 4-Nitrophenol	14.639	139	343910	41.354	ng	98
57) 2,4-Dinitrotoluene	14.780	165	546172	42.400	ng	96
58) Fluorene	15.468	166	1910592	40.657	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	558780	40.341	ng	99
60) Diethylphthalate	15.245	149	1786820	40.430	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1022448	40.582	ng	99
62) 4-Nitroaniline	15.486	138	405788	42.047	ng	99
63) Azobenzene	15.756	77	1535782	40.588	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	329580	40.870	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1572499	41.061	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	613620	41.305	ng	97
68) Hexachlorobenzene	16.474	284	700815	41.127	ng	98
69) Atrazine	16.627	200	427194	43.022	ng	99
70) Pentachlorophenol	16.815	266	498137	39.707	ng	99
71) Phenanthrene	17.203	178	2875162	40.981	ng	100
72) Anthracene	17.298	178	2843094	41.121	ng	99
73) Carbazole	17.562	167	2670007	41.001	ng	100
74) Di-n-butylphthalate	18.133	149	3096383	41.281	ng	100
75) Fluoranthene	19.221	202	3501102	40.587	ng	99
77) Benzidine	19.403	184	1135587	68.977	ng	99
78) Pyrene	19.586	202	3594146	42.024	ng	99
80) Butylbenzylphthalate	20.480	149	1352556	42.088	ng	100
81) Benzo(a)anthracene	21.380	228	3353051	40.656	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1301185	41.777	ng	100
83) Chrysene	21.444	228	3206035	40.889	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	1929348	41.206	ng	99
85) Di-n-octyl phthalate	22.438	149	3392272	41.414	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4138430	40.573	ng	99
88) Benzo(b)fluoranthene	23.450	252	3467341	39.676	ng	100
89) Benzo(k)fluoranthene	23.515	252	3396697	40.108	ng	100
90) Benzo(a)pyrene	24.256	252	3095192	40.305	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3392168	40.376	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3473125	40.455	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

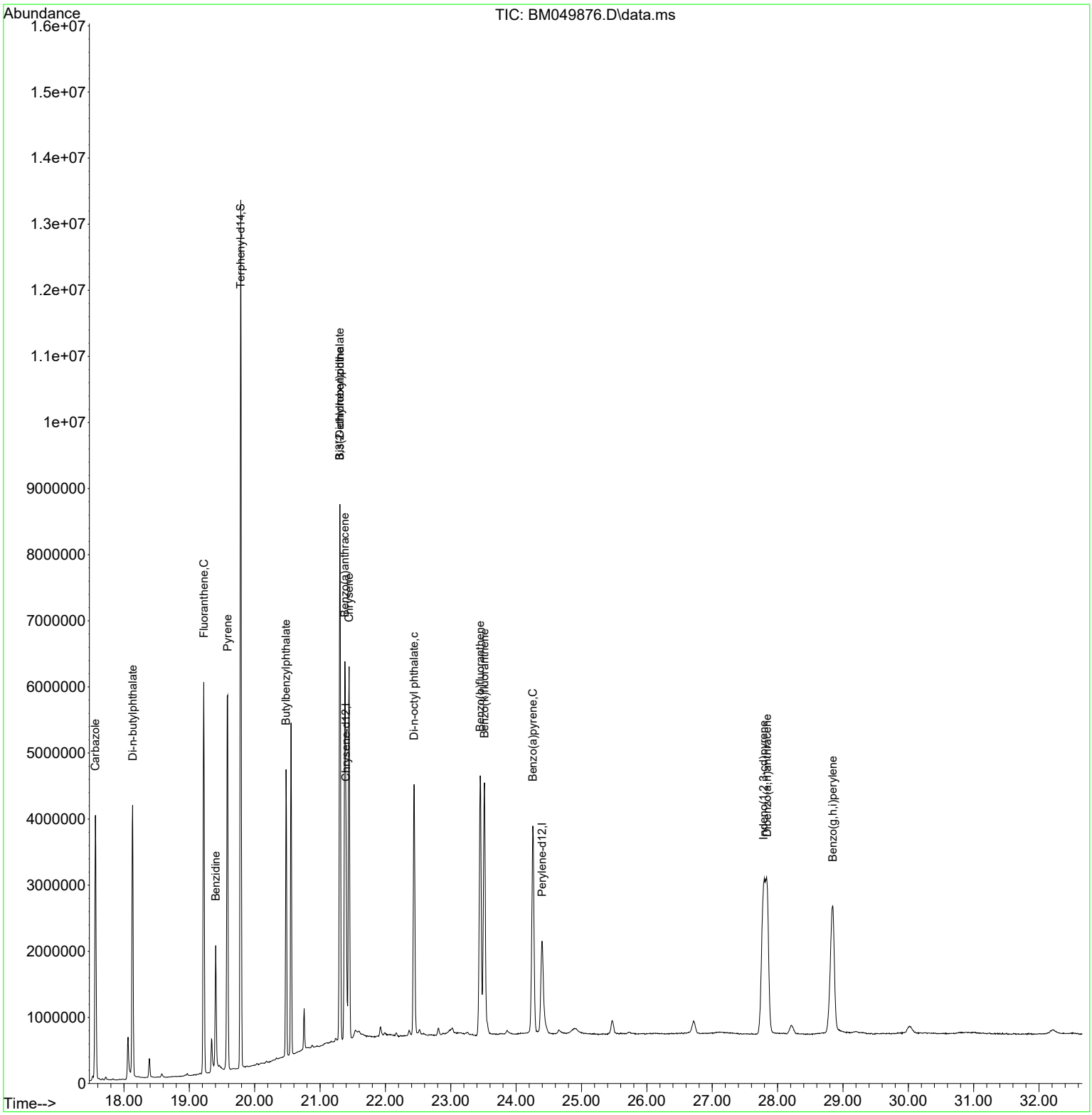
Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

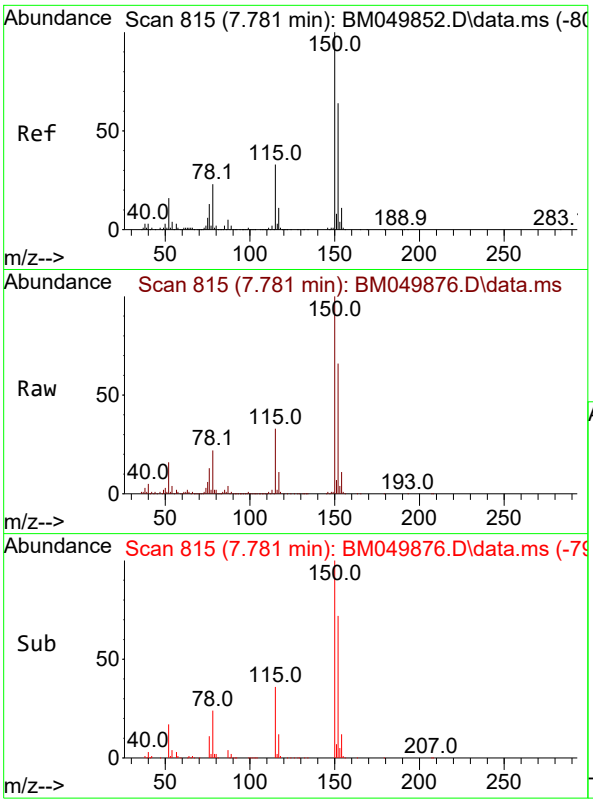


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



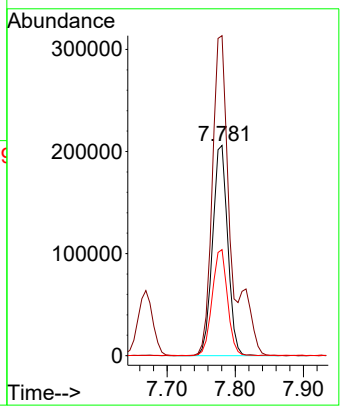


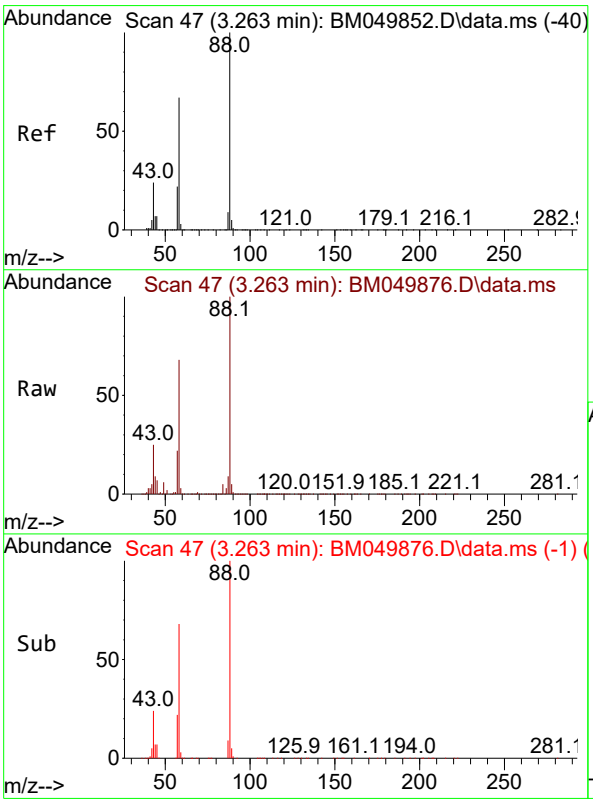
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 319220

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.3	186.5
115	50.5	41.1	61.7

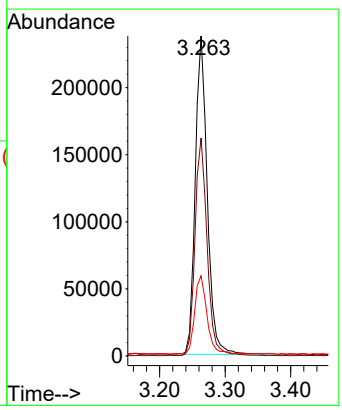


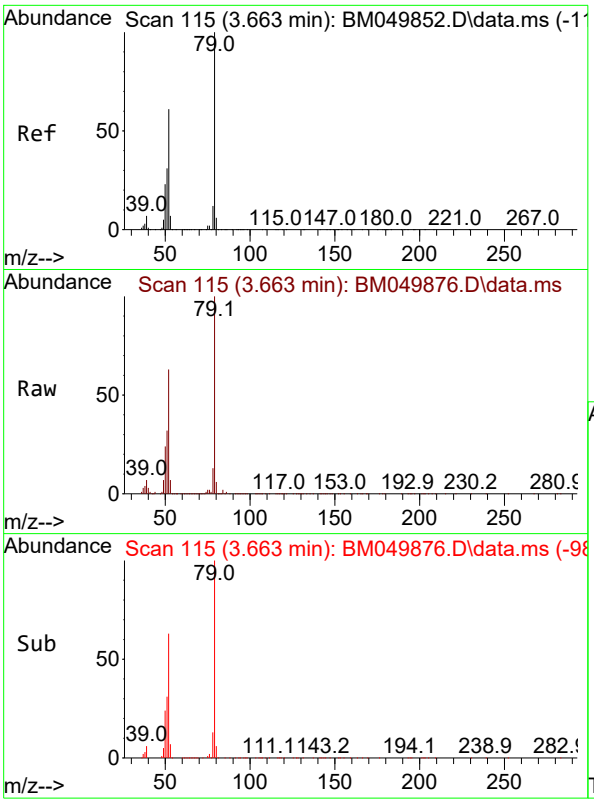


#2
1,4-Dioxane
Concen: 39.152 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 88 Resp: 303115

Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.1	81.1
43	25.3	20.2	30.4



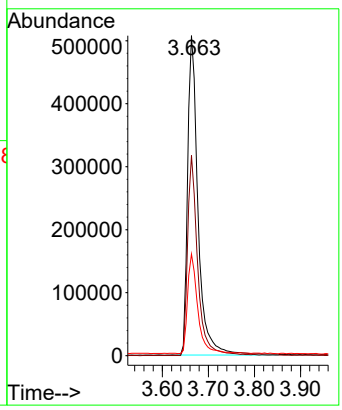


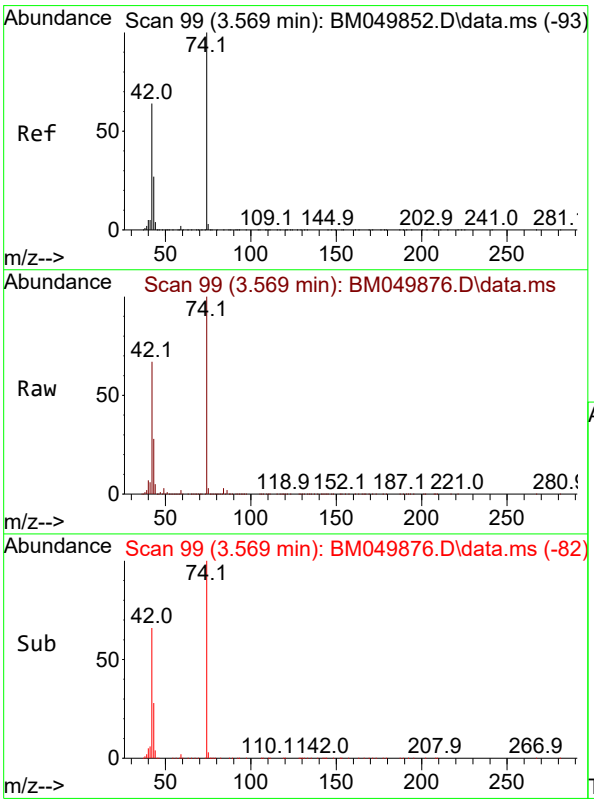
#3
Pyridine
Concen: 39.173 ng
RT: 3.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 796815

Ion	Ratio	Lower	Upper
79	100		
52	62.6	48.9	73.3
51	31.8	25.0	37.6

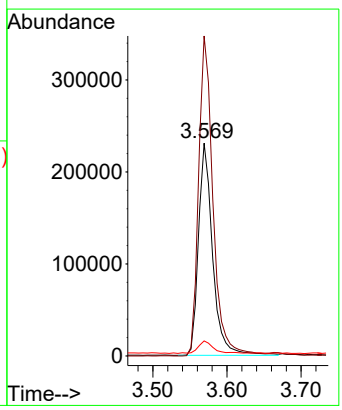


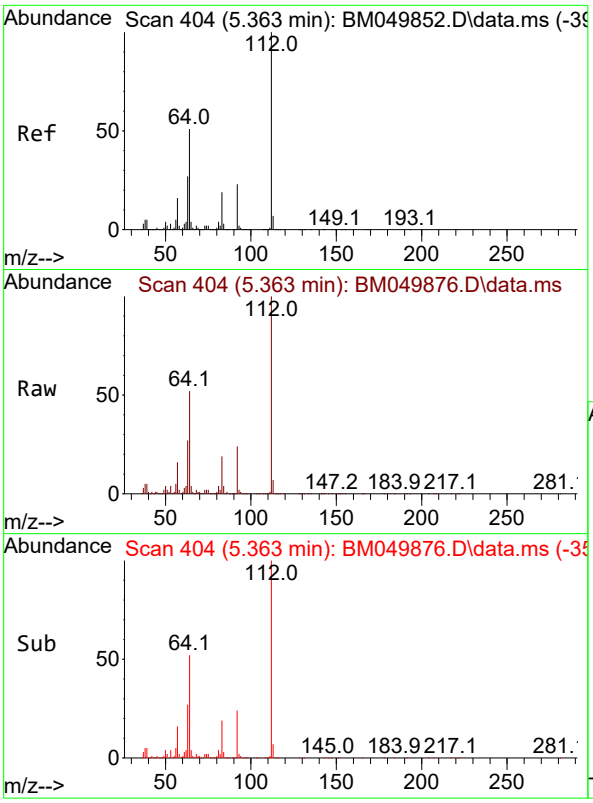


#4
n-Nitrosodimethylamine
Concen: 39.718 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 42 Resp: 307458

Ion	Ratio	Lower	Upper
42	100		
74	150.4	125.4	188.2
44	7.1	5.9	8.9



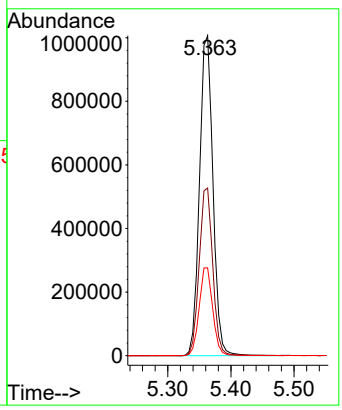


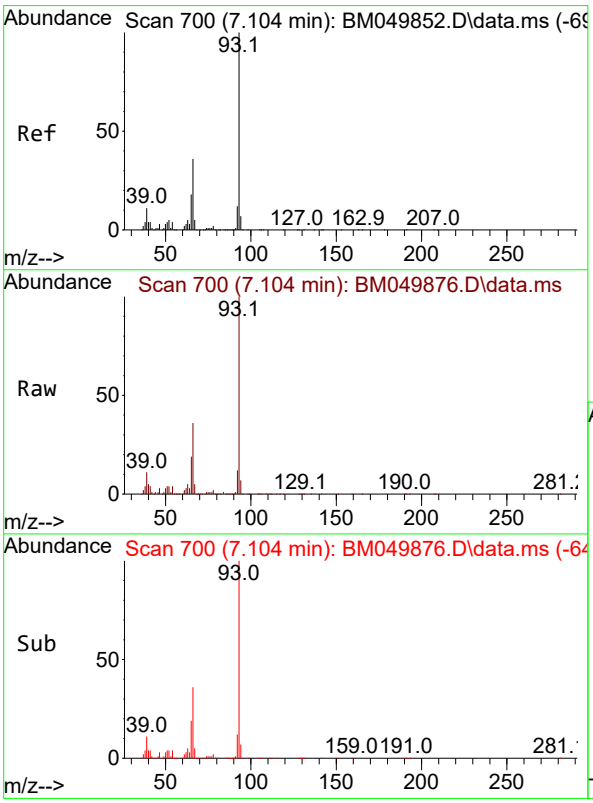
#5
2-Fluorophenol
Concen: 79.230 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1489448

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.0	61.6
63	27.4	21.5	32.3

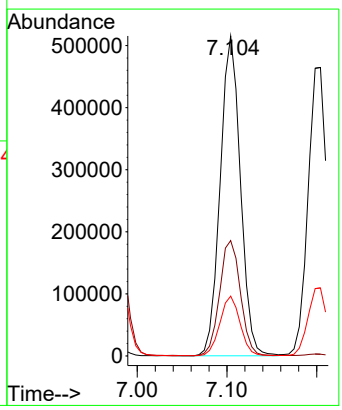


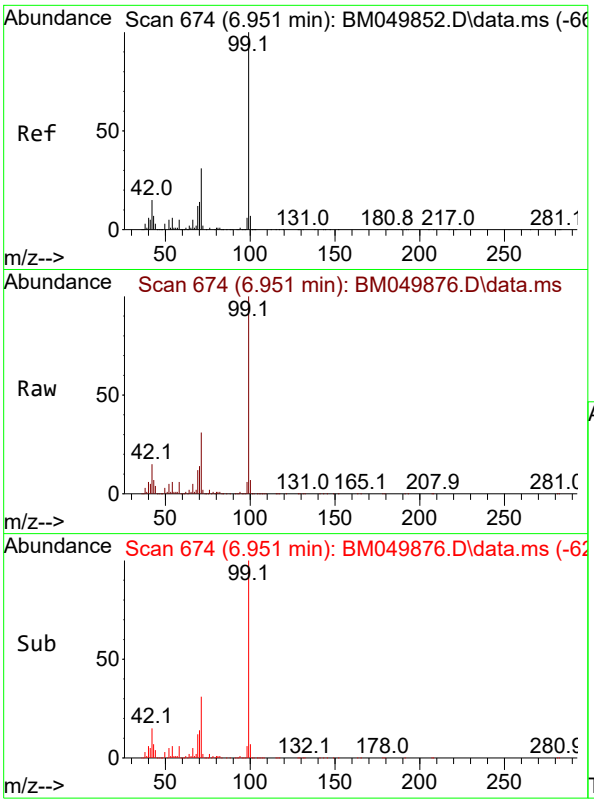


#6
Aniline
Concen: 40.224 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 93 Resp: 806150

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.7	14.9	22.3



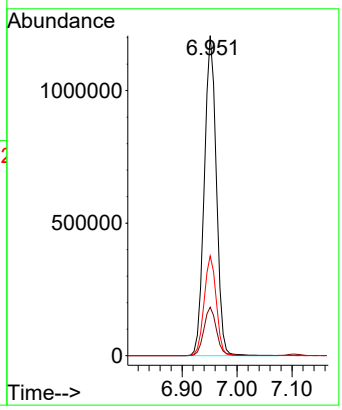


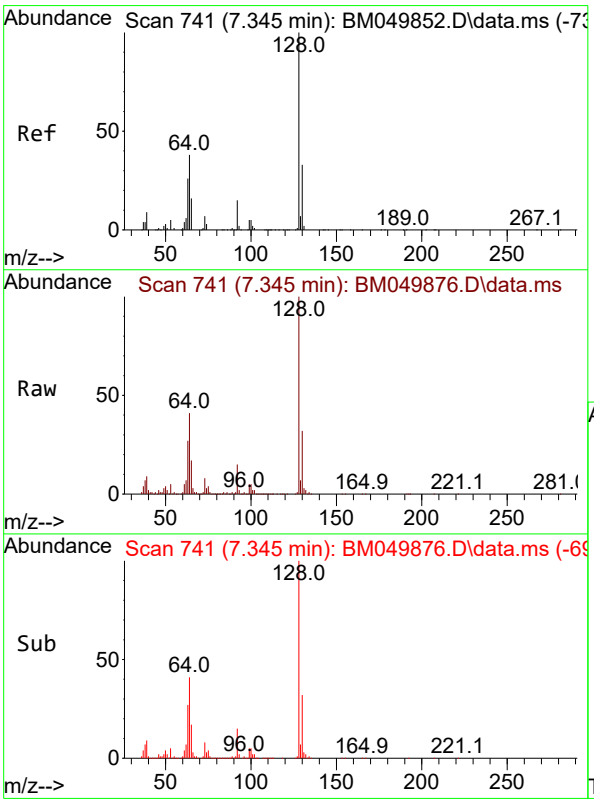
#7
Phenol-d6
Concen: 78.466 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1835259

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.2	24.9	37.3

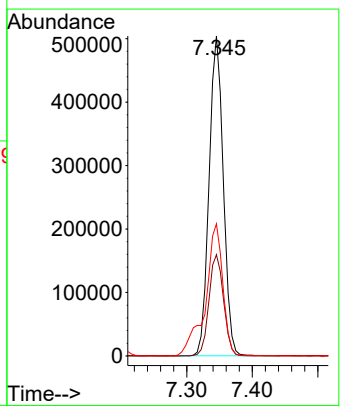


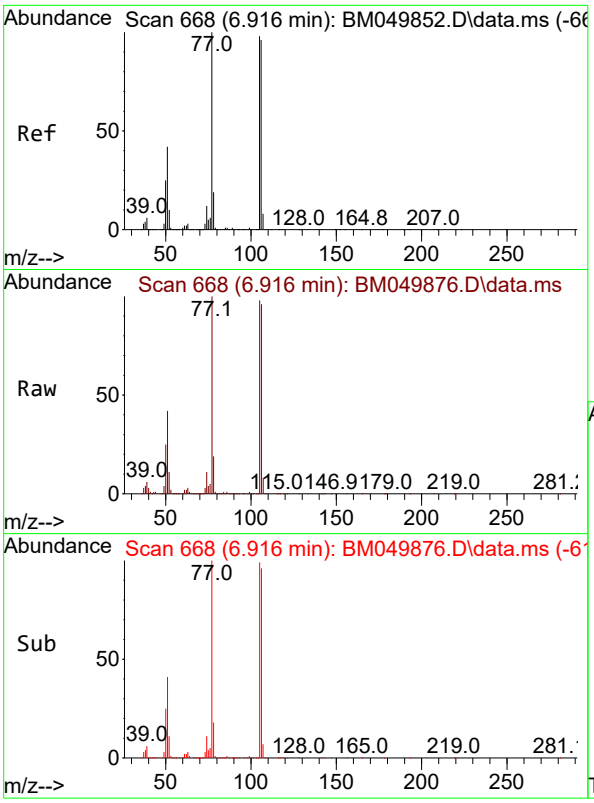


#8
2-Chlorophenol
Concen: 39.377 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:128 Resp: 758611

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	41.3	21.1	61.1



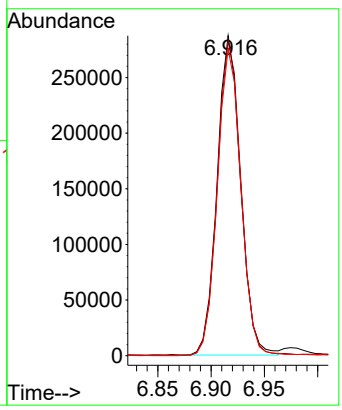


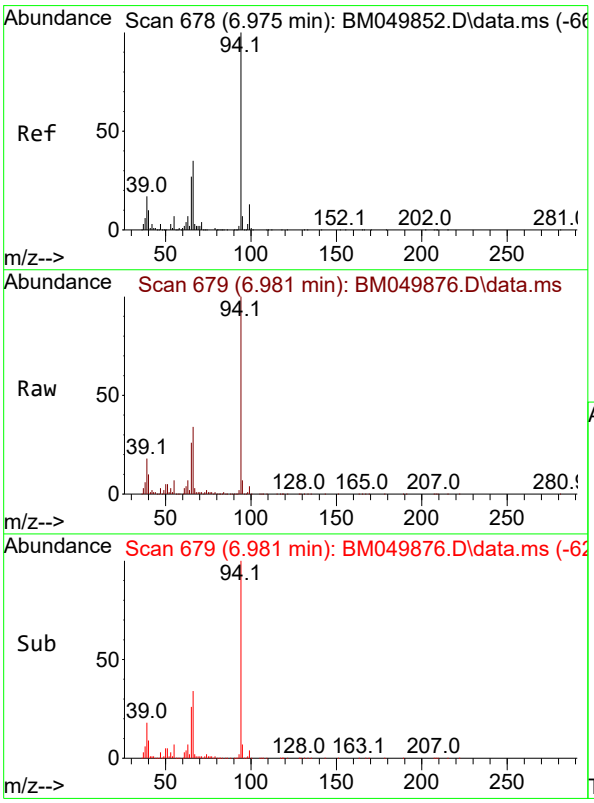
#9
Benzaldehyde
Concen: 36.564 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 438868

Ion	Ratio	Lower	Upper
77	100		
105	98.4	78.3	118.3
106	95.9	76.0	116.0

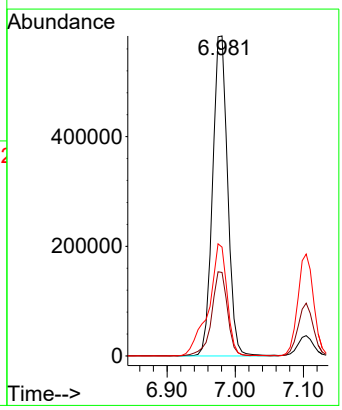


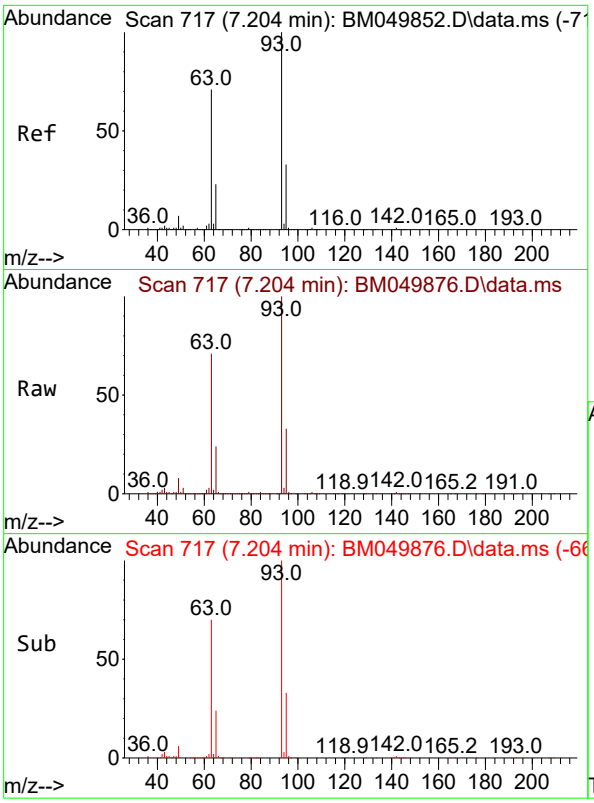


#10
Phenol
Concen: 39.271 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 94 Resp: 896341

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	34.0	14.8	54.8



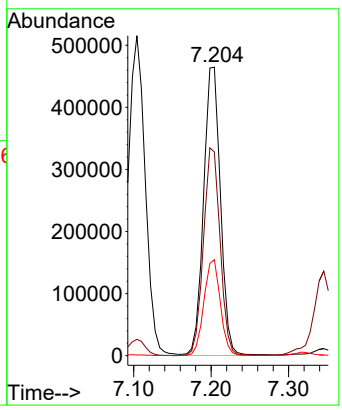


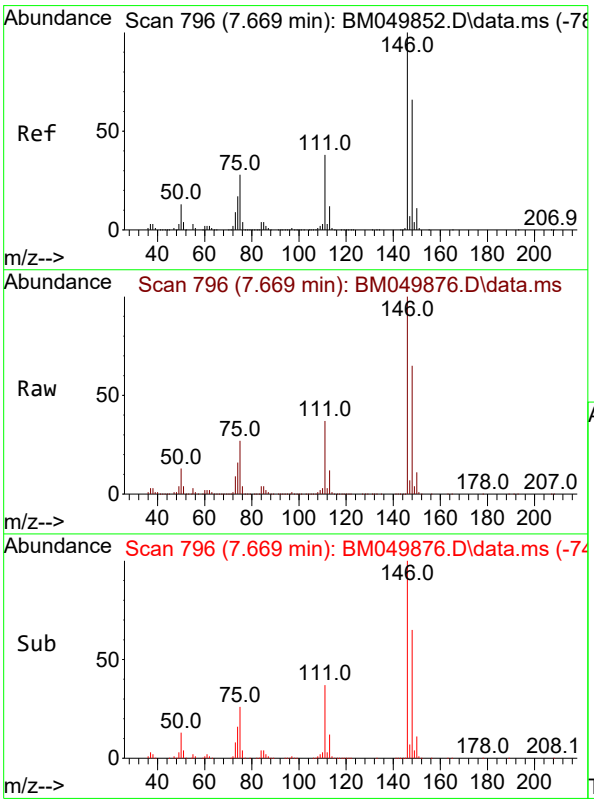
#11
bis(2-Chloroethyl)ether
Concen: 39.346 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 704248

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.9	90.9
95	33.3	12.6	52.6

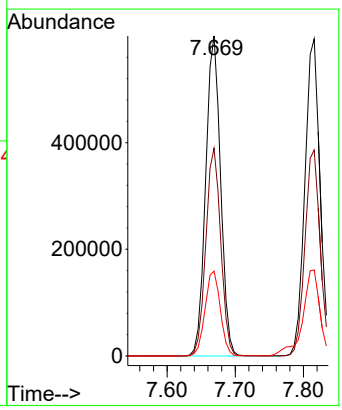


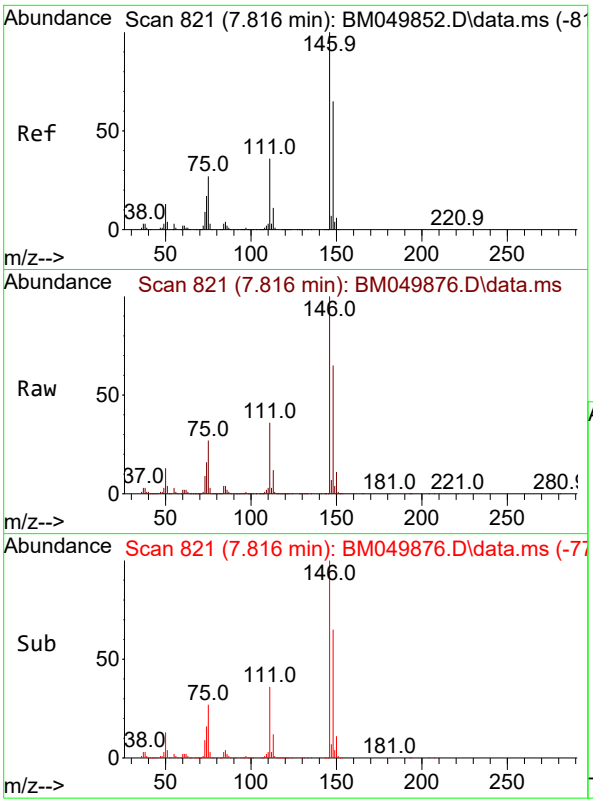


#12
1,3-Dichlorobenzene
Concen: 40.069 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:146 Resp: 912645

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.5	78.7
75	26.5	22.5	33.7



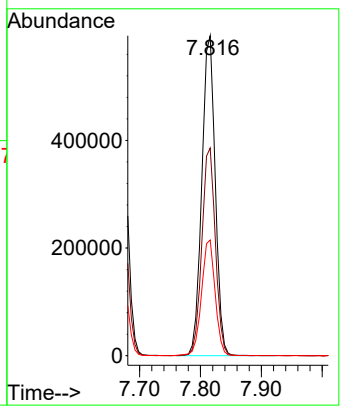


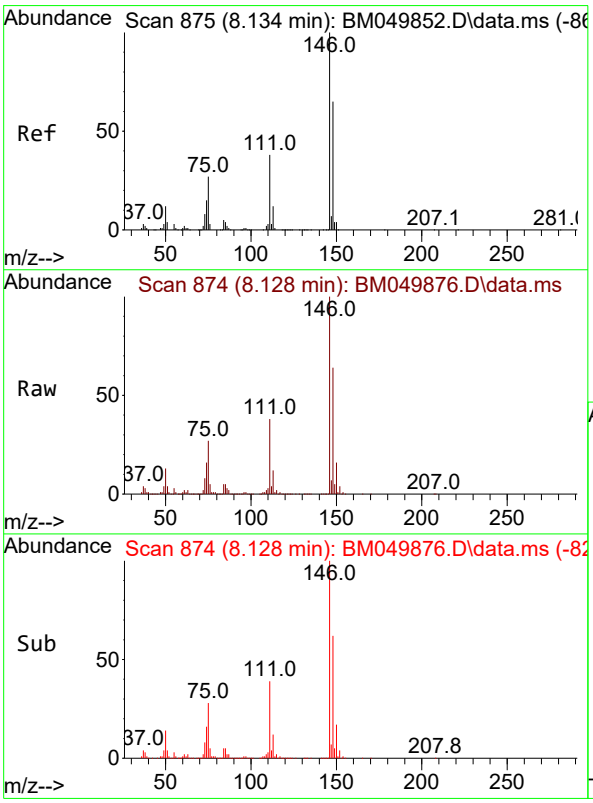
#13
1,4-Dichlorobenzene
Concen: 39.763 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 911298

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.4	78.6
111	36.2	28.5	42.7

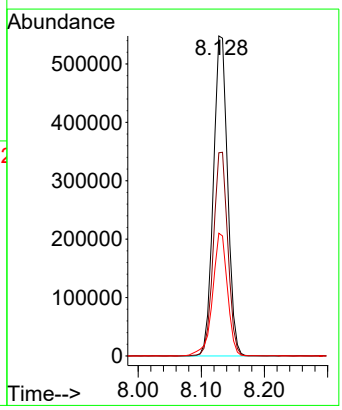


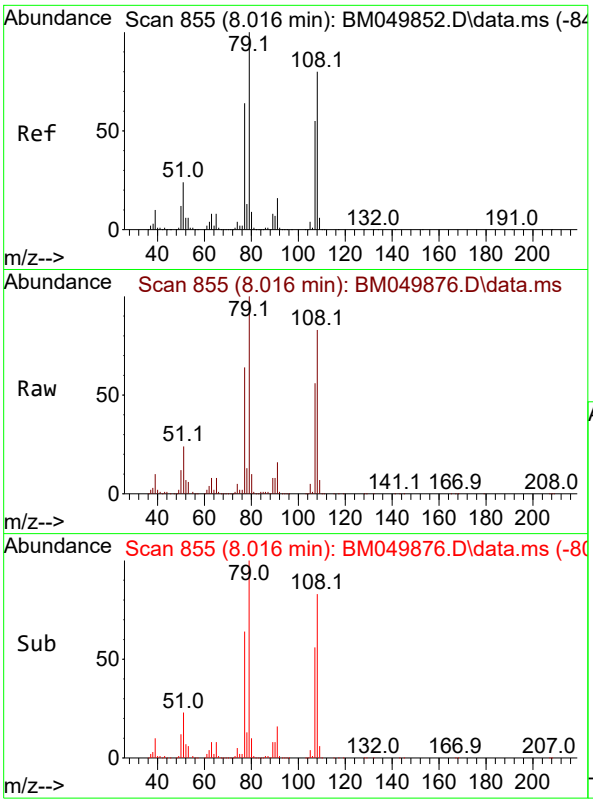


#14
1,2-Dichlorobenzene
Concen: 39.705 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:146 Resp: 857096

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
111	38.3	30.2	45.4



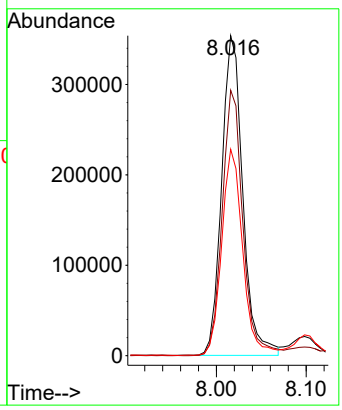


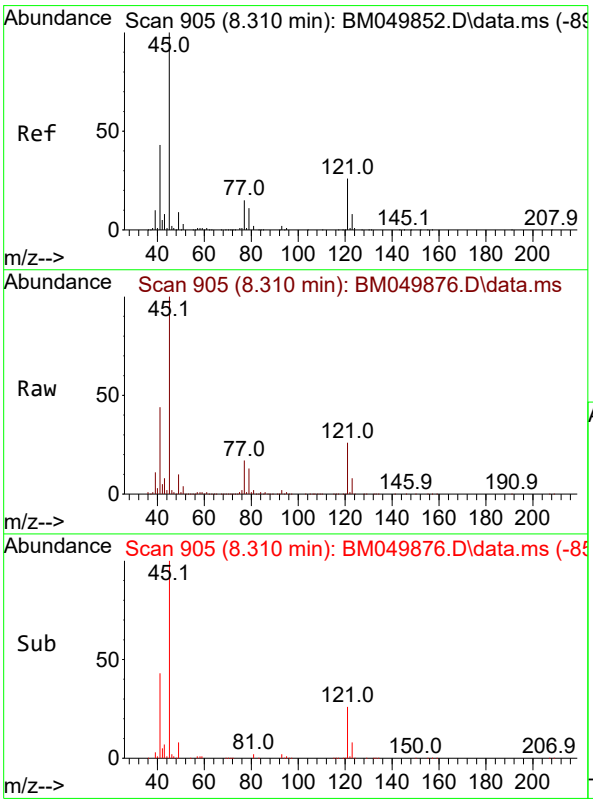
#15
Benzyl Alcohol
Concen: 39.248 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 578059

Ion	Ratio	Lower	Upper
79	100		
108	82.9	63.6	95.4
77	64.5	51.3	76.9

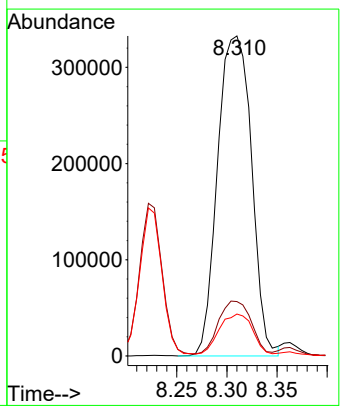


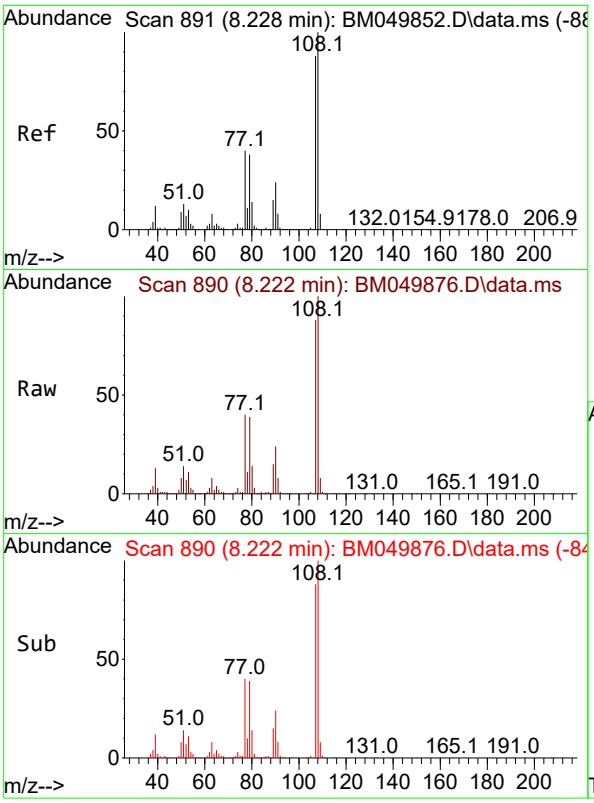


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.254 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 45 Resp: 783113

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	36.9
79	13.1	0.0	32.9



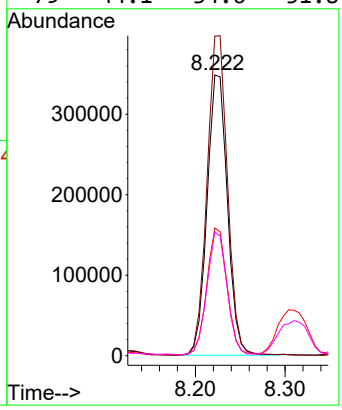


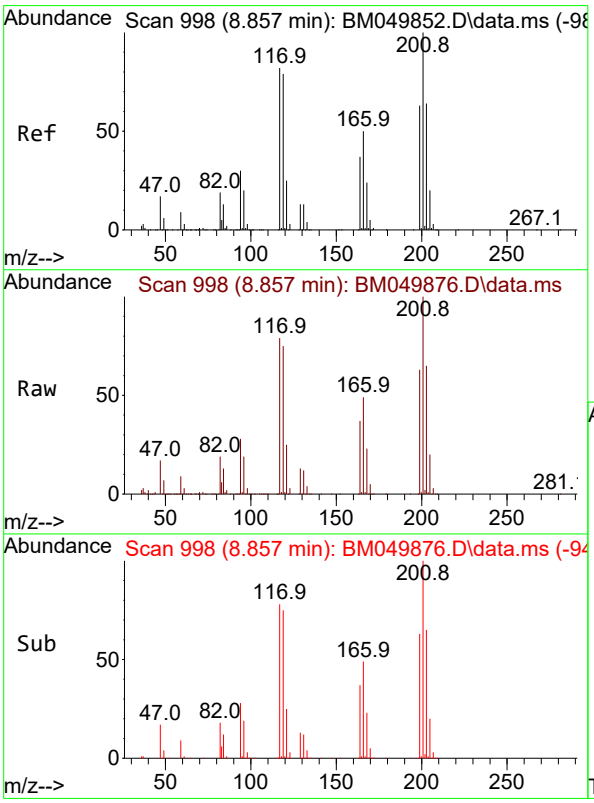
#17
2-Methylphenol
Concen: 38.907 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 547247

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.0	136.6
77	45.5	36.5	54.7
79	44.1	34.6	51.8

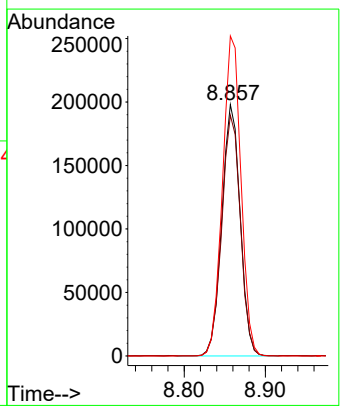


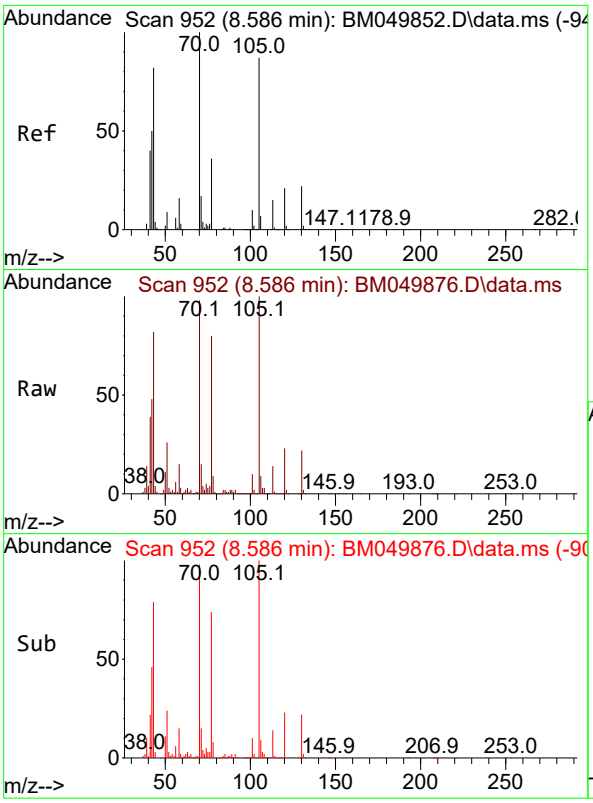


#18
Hexachloroethane
Concen: 39.202 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:117 Resp: 312572

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
201	127.3	97.7	146.5



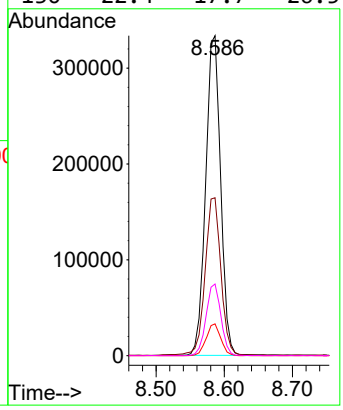


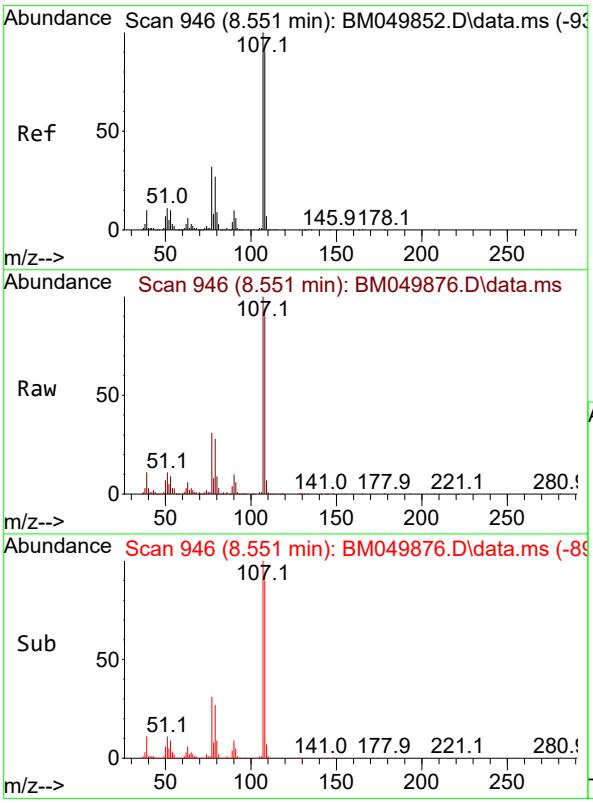
#19
n-Nitroso-di-n-propylamine
Concen: 39.274 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 508773

Ion	Ratio	Lower	Upper
70	100		
42	49.4	40.2	60.2
101	10.0	7.9	11.9
130	22.4	17.7	26.5

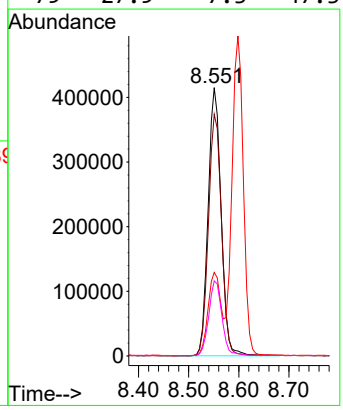


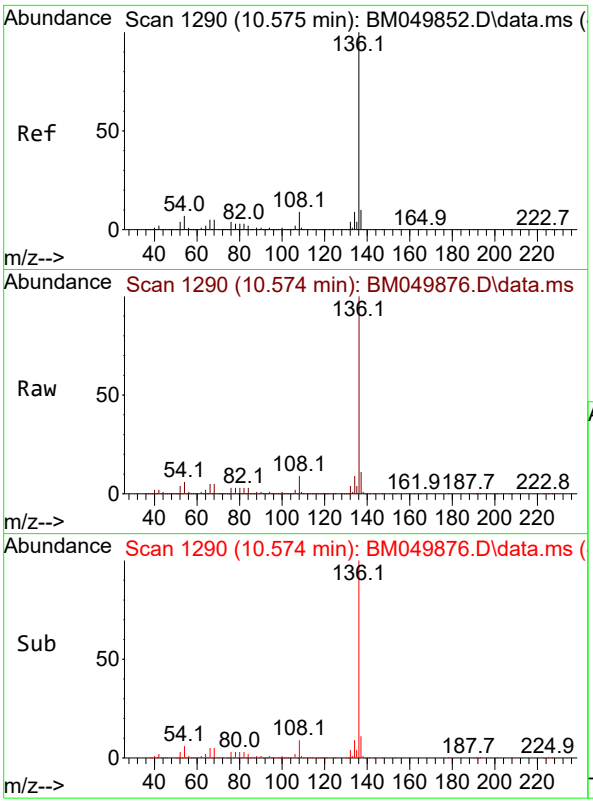


#20
3+4-Methylphenols
Concen: 38.998 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:107 Resp: 747832

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	31.1	11.7	51.7
79	27.9	7.3	47.3



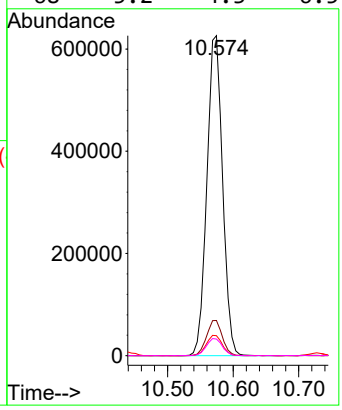


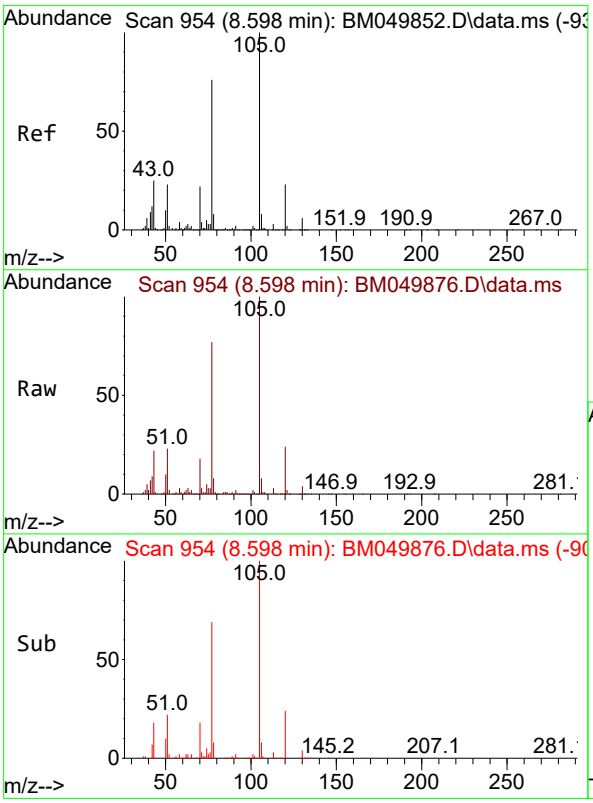
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1042650

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.2	5.3	7.9
68	5.2	4.3	6.5

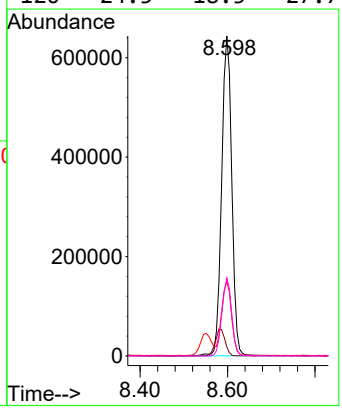


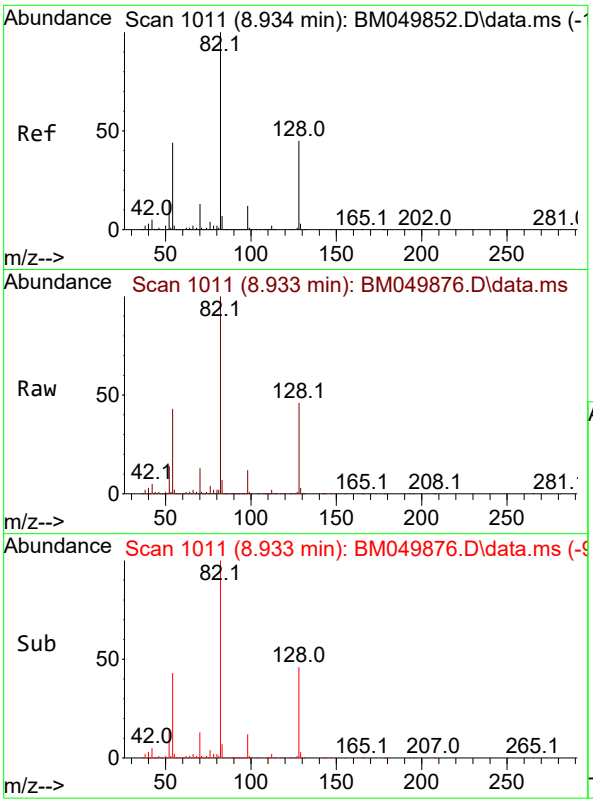


#22
Acetophenone
Concen: 40.480 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:105 Resp: 1025739

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.0	4.4#
51	23.4	18.6	27.8
120	24.5	18.5	27.7



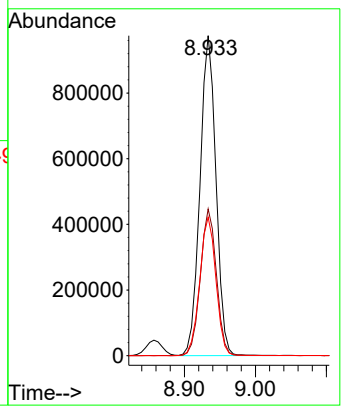


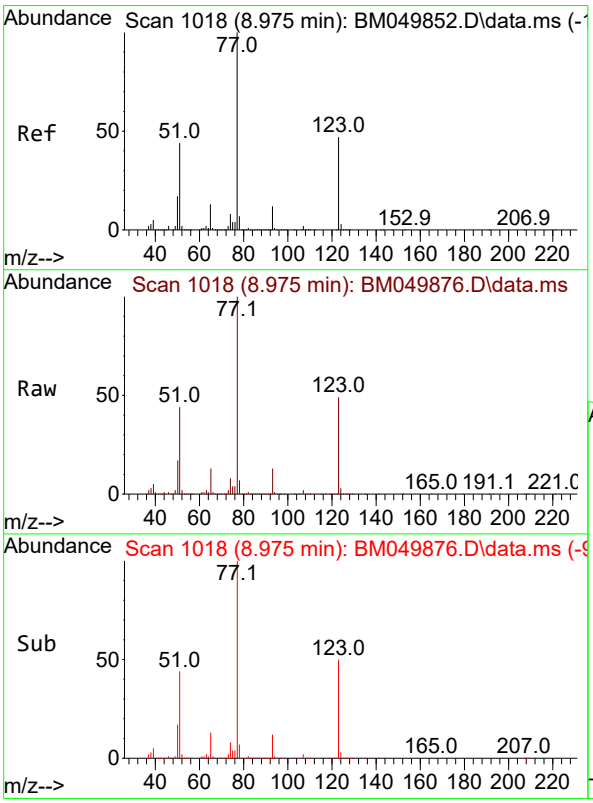
#23
Nitrobenzene-d5
Concen: 81.639 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1528609

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	43.2	35.0	52.6

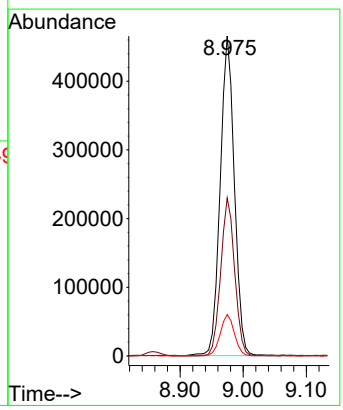


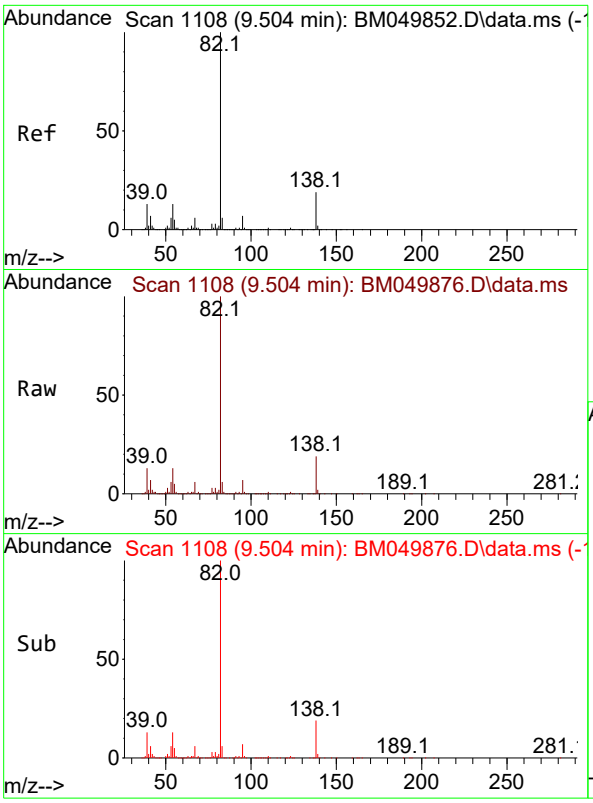


#24
Nitrobenzene
Concen: 40.214 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 77 Resp: 725038

Ion	Ratio	Lower	Upper
77	100		
123	49.4	37.4	56.2
65	12.9	10.1	15.1



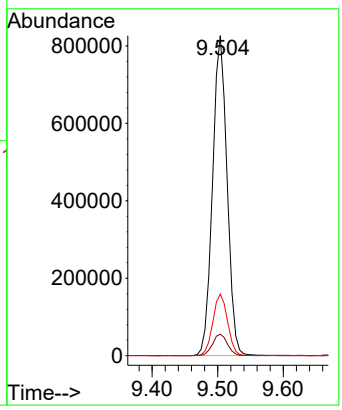


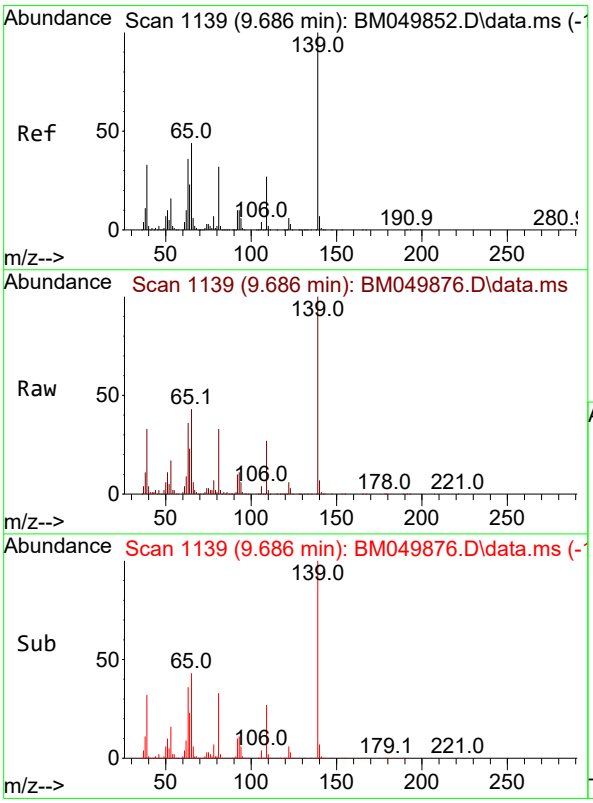
#25
Isophorone
Concen: 40.369 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1266219

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	15.0	22.6

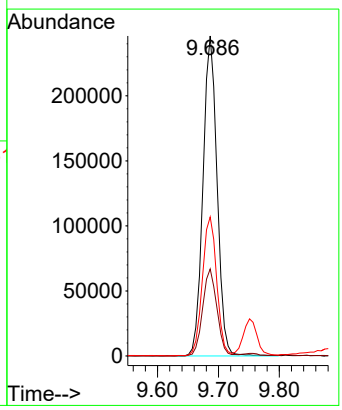


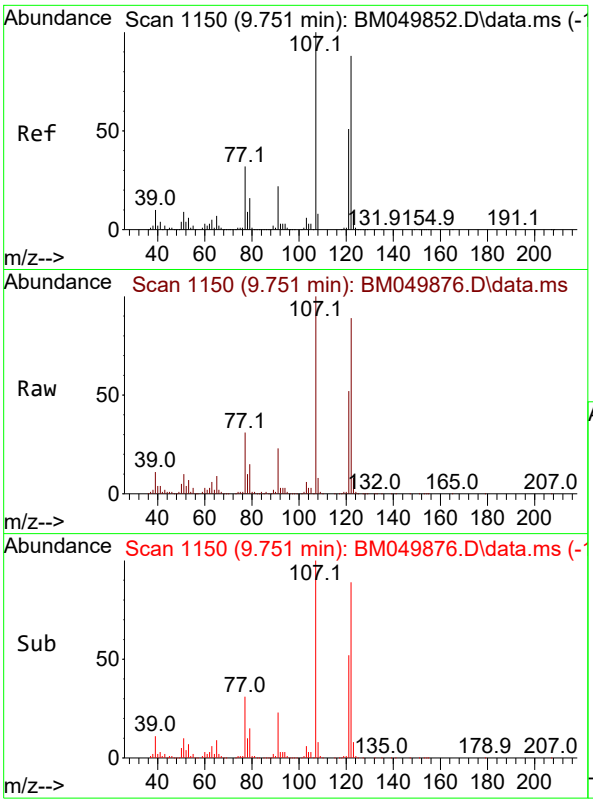


#26
2-Nitrophenol
Concen: 41.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:139 Resp: 396697

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.7	32.5
65	43.5	35.2	52.8



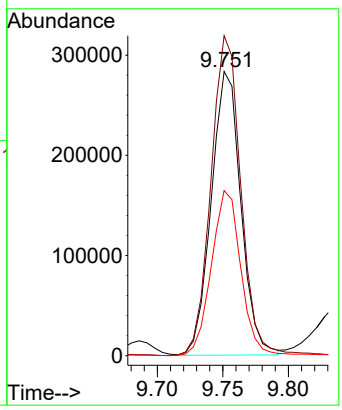


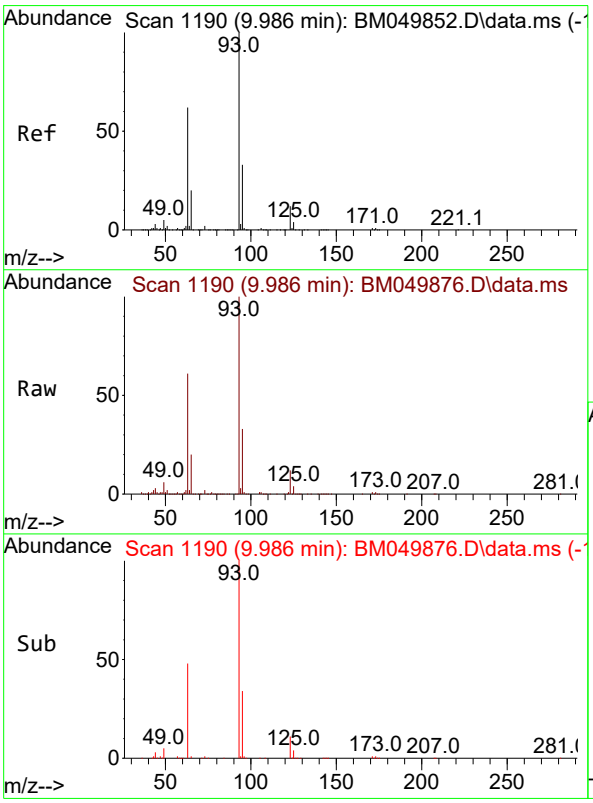
#27
2,4-Dimethylphenol
Concen: 41.095 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 445043

Ion	Ratio	Lower	Upper
122	100		
107	112.6	90.3	135.5
121	58.1	46.1	69.1

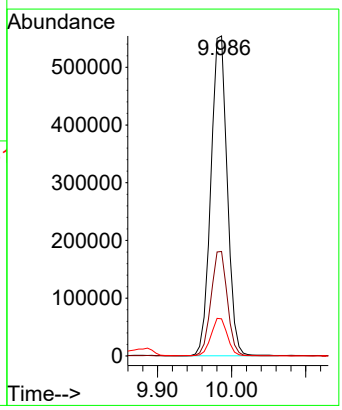


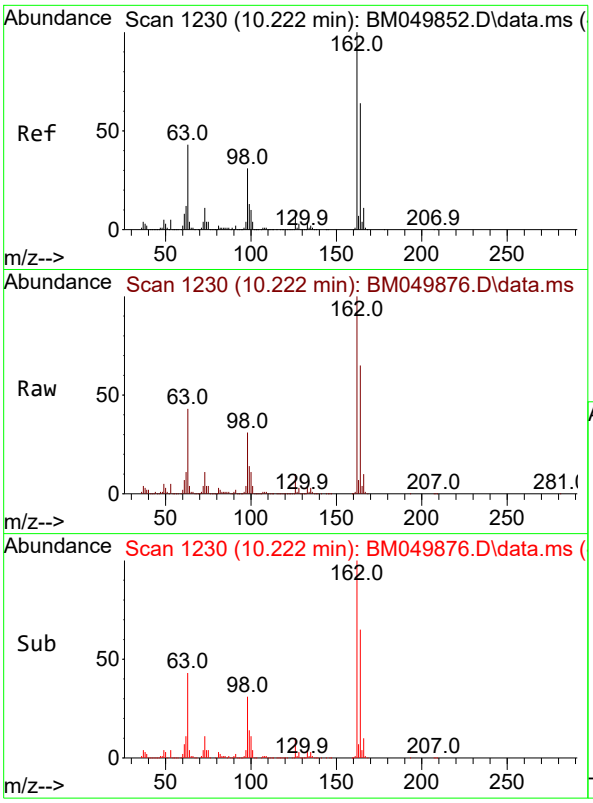


#28
bis(2-Chloroethoxy)methane
Concen: 40.430 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 93 Resp: 848995

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



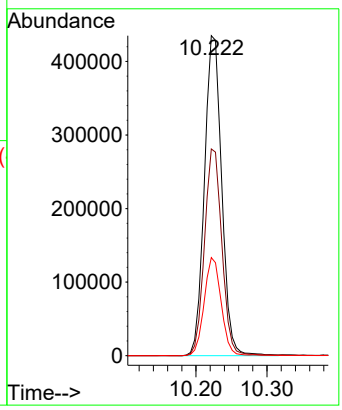


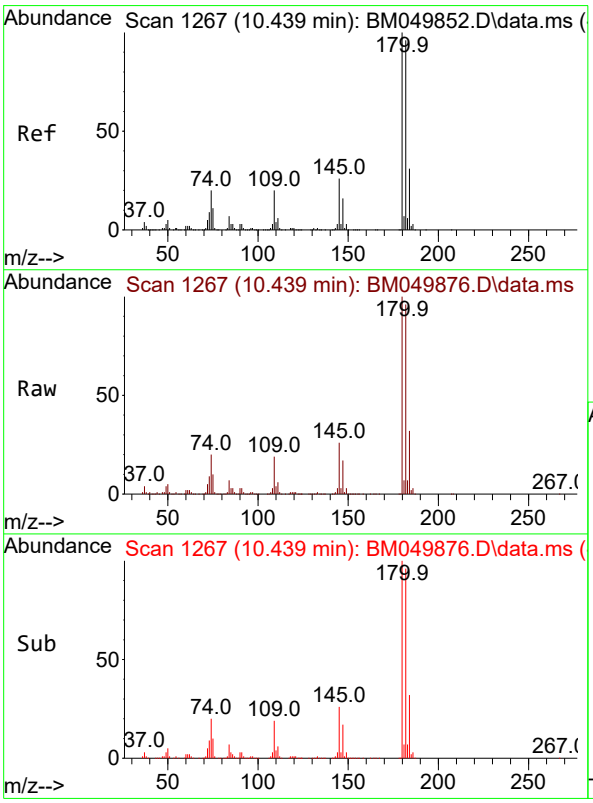
#29
2,4-Dichlorophenol
Concen: 40.995 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 737969

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.3	84.3
98	30.6	10.9	50.9

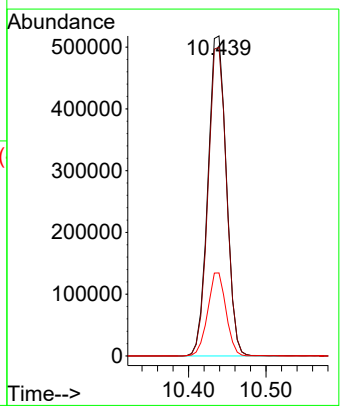


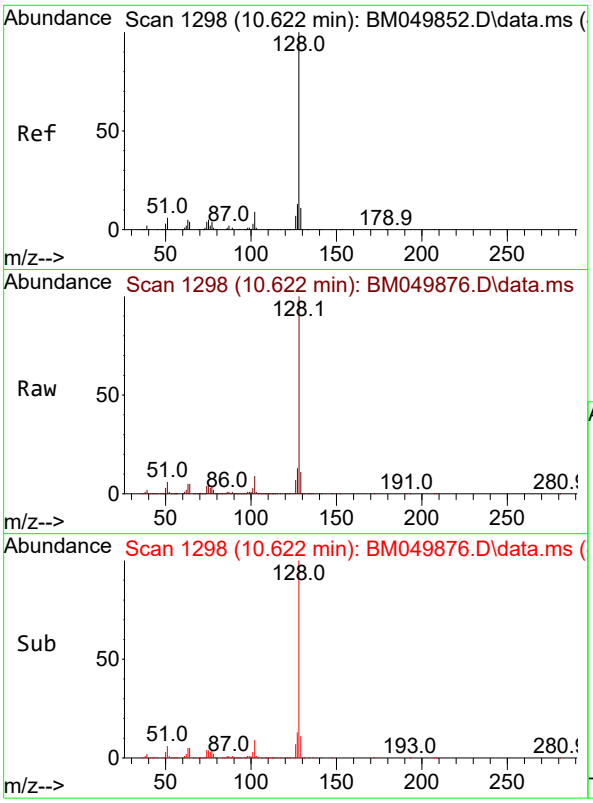


#30
1,2,4-Trichlorobenzene
Concen: 40.999 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:180 Resp: 853822

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.7	115.1
145	26.0	20.8	31.2



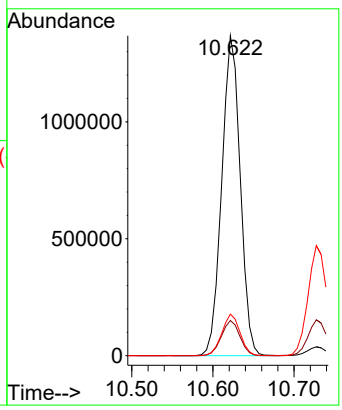


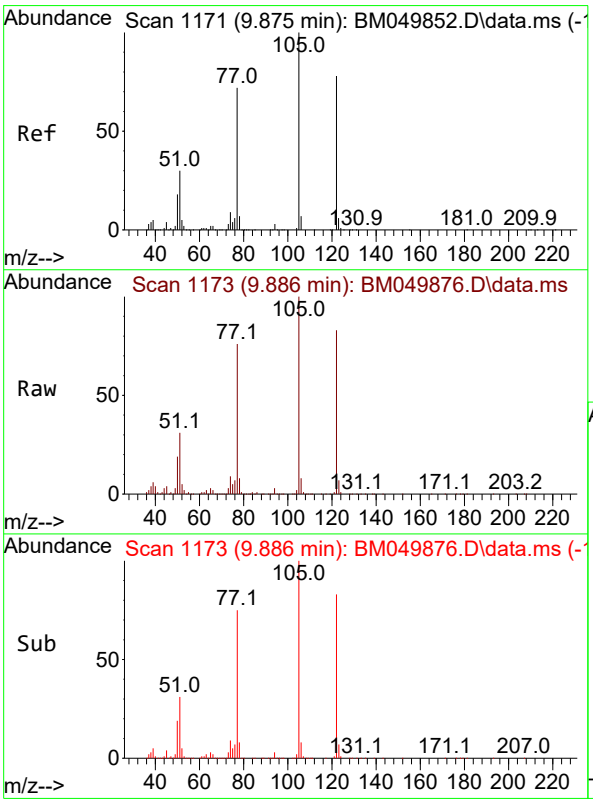
#31
Naphthalene
Concen: 40.483 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2168888

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.6	15.8

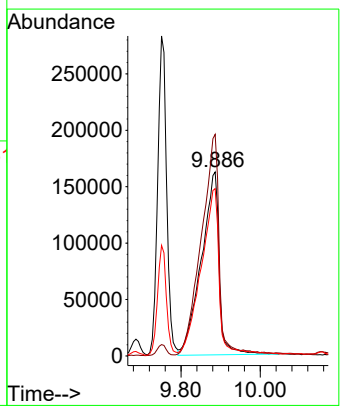


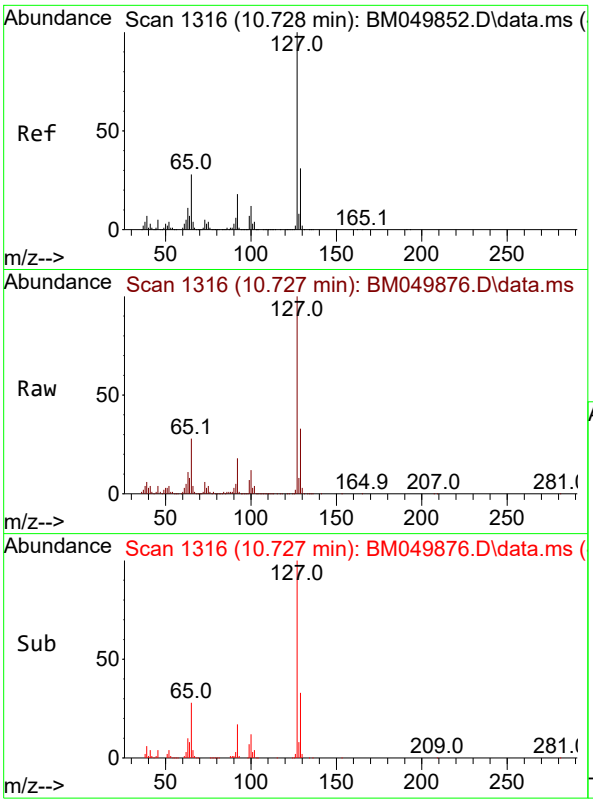


#32
Benzoic acid
Concen: 39.630 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:122 Resp: 507659

Ion	Ratio	Lower	Upper
122	100		
105	120.4	103.8	143.8
77	91.0	70.7	110.7



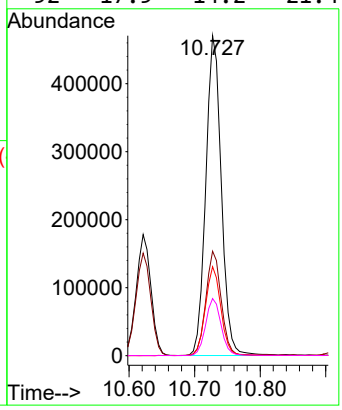


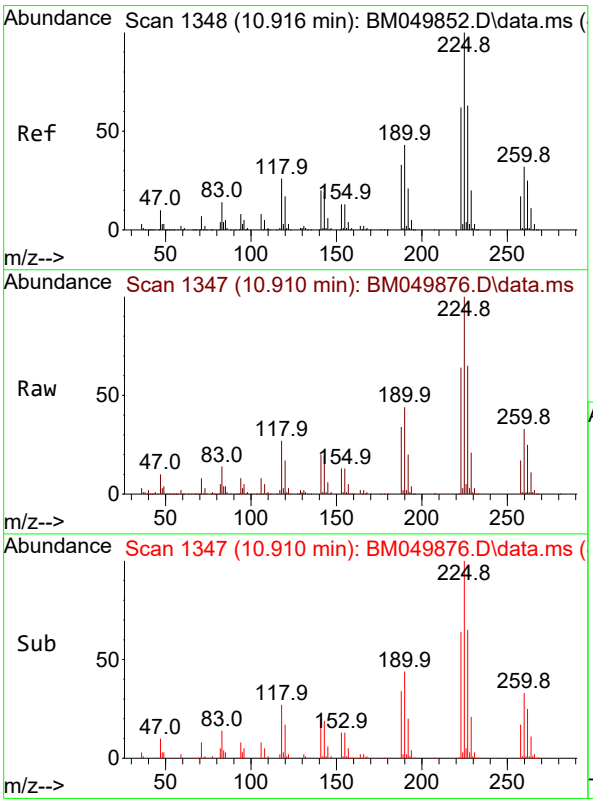
#33
4-Chloroaniline
Concen: 41.035 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 776309

Ion	Ratio	Lower	Upper
127	100		
129	32.6	24.9	37.3
65	27.8	22.4	33.6
92	17.9	14.2	21.4

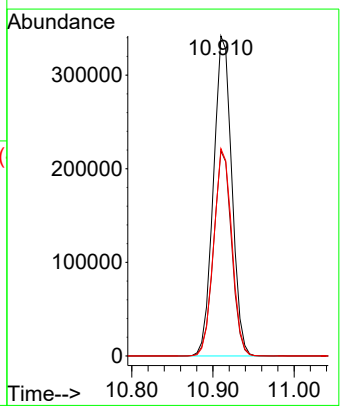


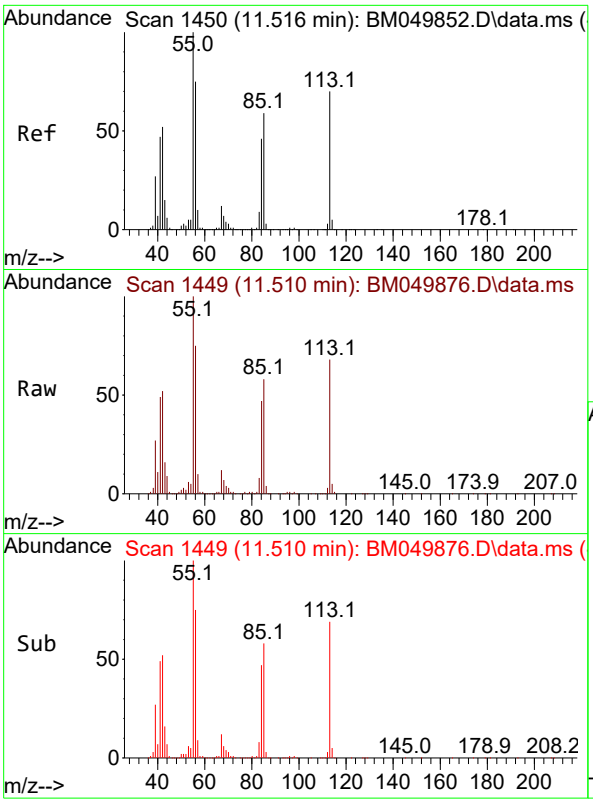


#34
Hexachlorobutadiene
Concen: 41.626 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:225 Resp: 536216

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.4	74.2
227	64.8	50.1	75.1



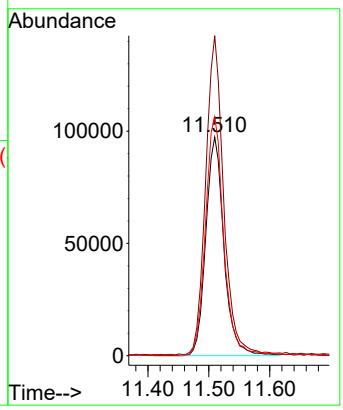


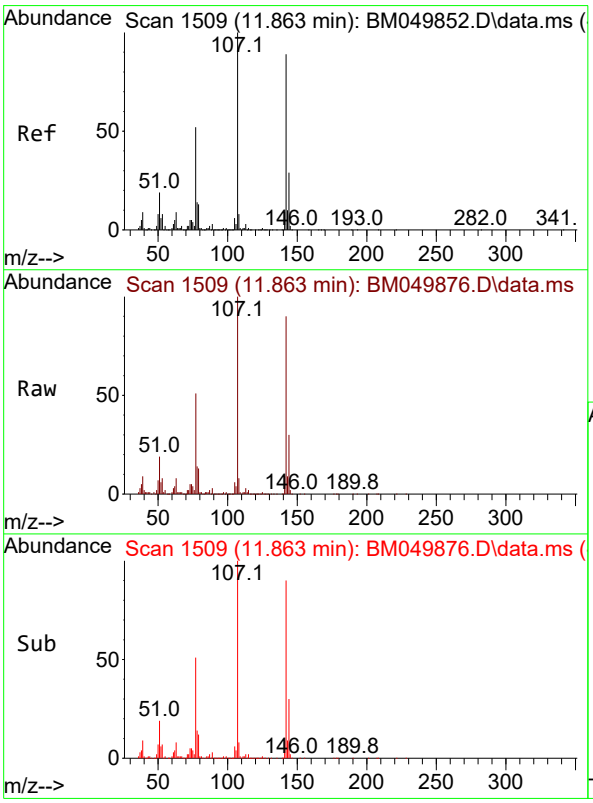
#35
Caprolactam
Concen: 39.026 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 201494

Ion	Ratio	Lower	Upper
113	100		
55	146.4	124.3	164.3
56	109.3	87.5	127.5

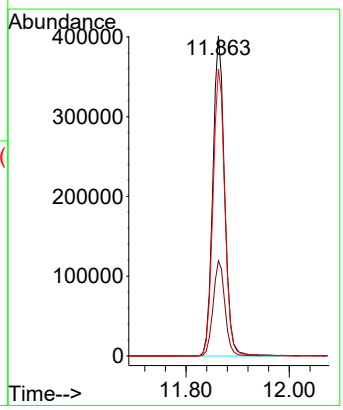


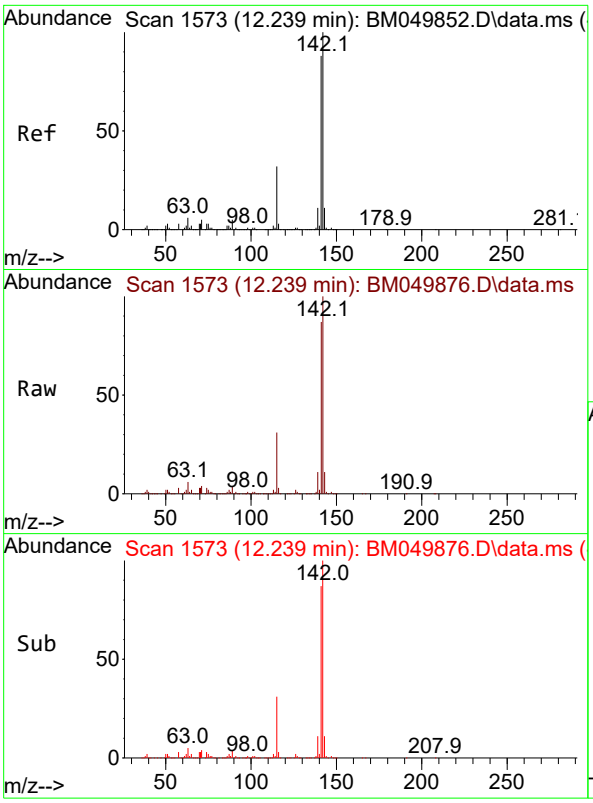


#36
4-Chloro-3-methylphenol
Concen: 40.143 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:107 Resp: 632987

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.6	35.4
142	89.7	71.4	107.0



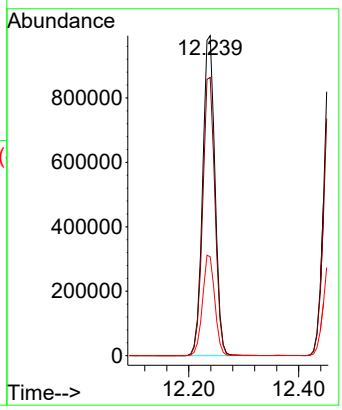


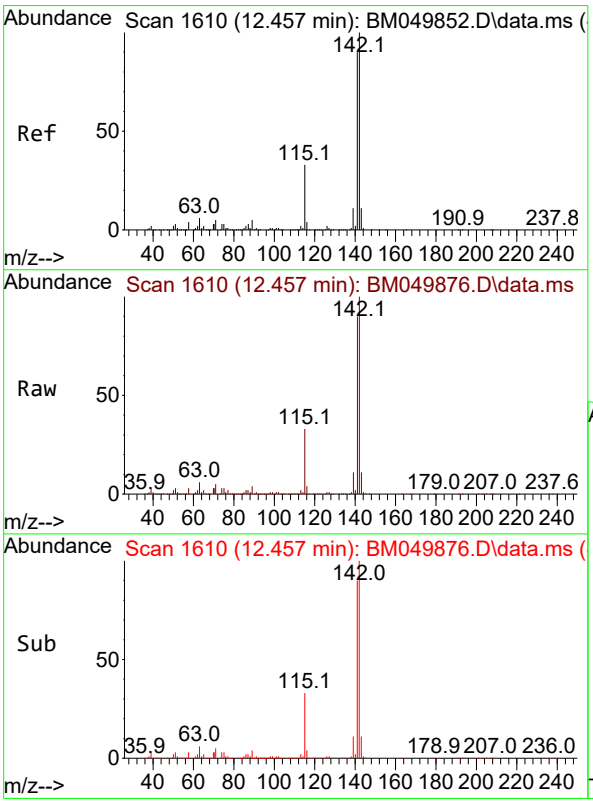
#37
2-Methylnaphthalene
Concen: 40.827 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1541101

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.2	105.2
115	30.9	25.4	38.2

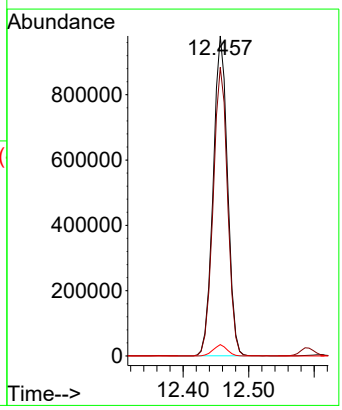


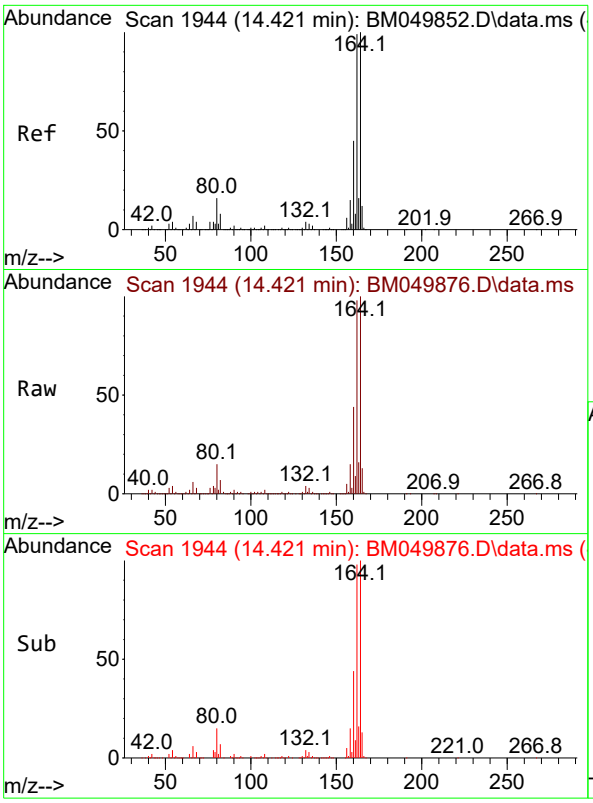


#38
1-Methylnaphthalene
Concen: 40.439 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:142 Resp: 1487131

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.5	2.9	4.3



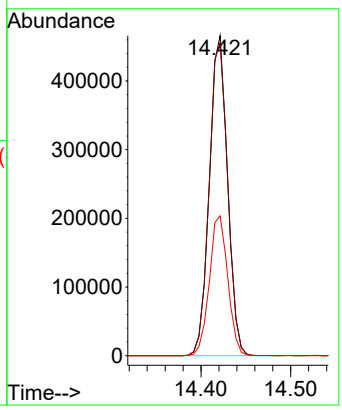


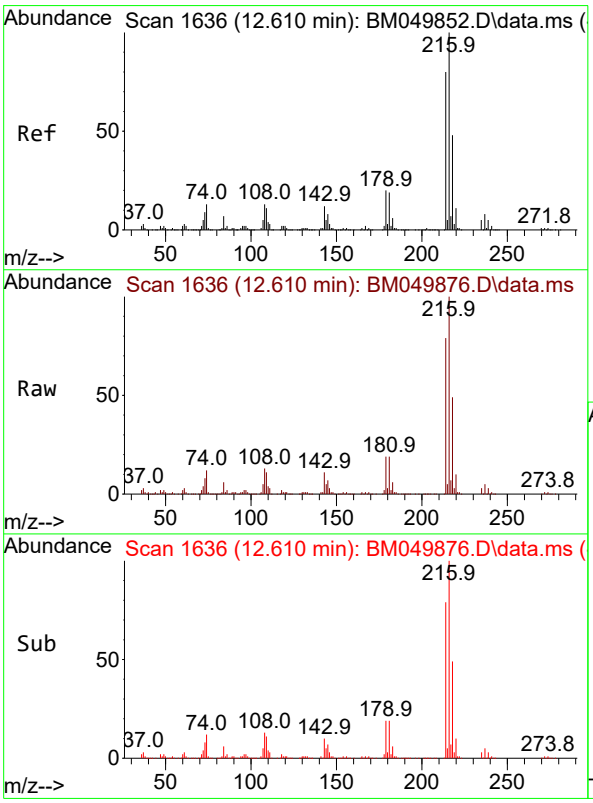
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 653251

Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.4	119.0
160	43.7	36.2	54.2

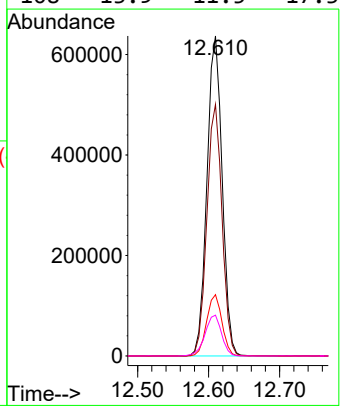


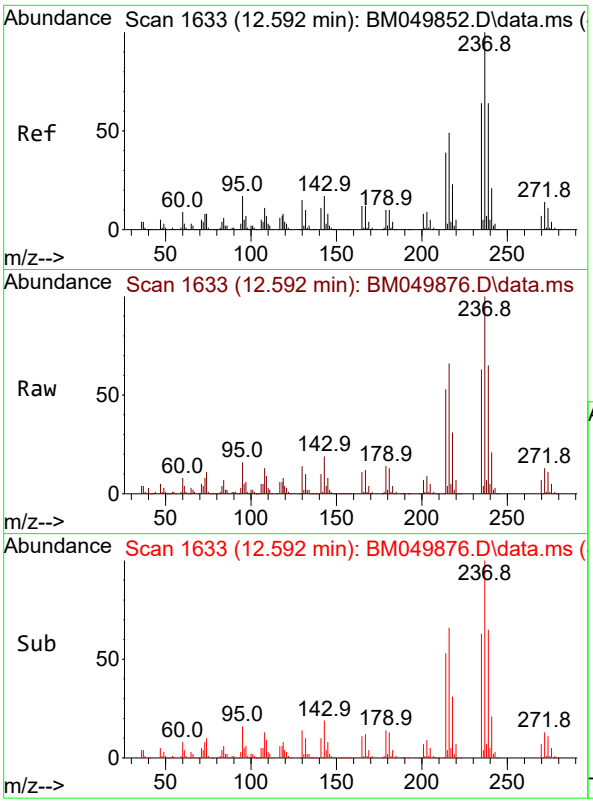


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.521 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:216 Resp: 948924

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	19.3	15.8	23.6
108	13.9	11.5	17.3



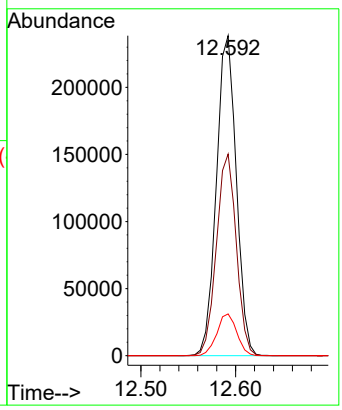


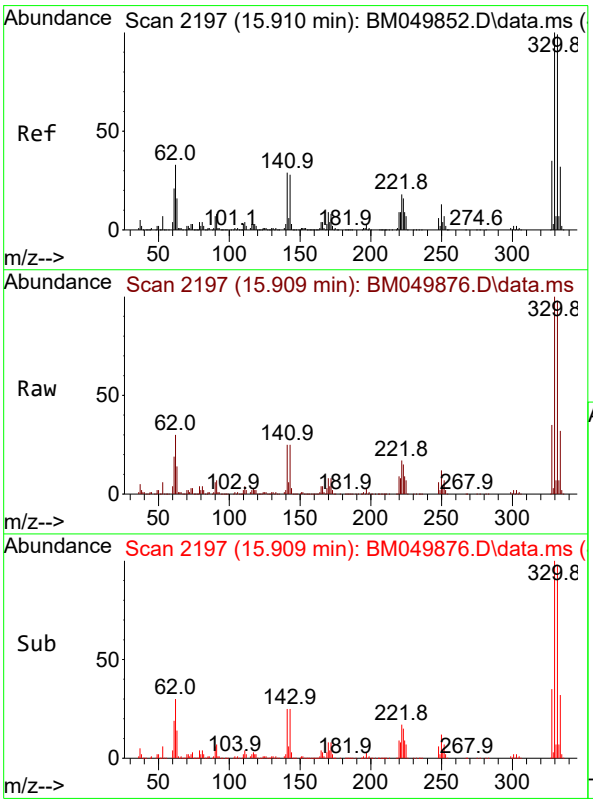
#41
Hexachlorocyclopentadiene
Concen: 43.503 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 348379

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.7	83.7
272	13.0	0.0	33.5

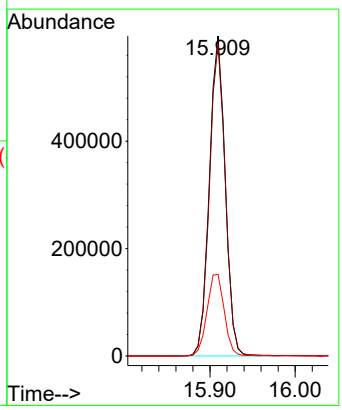


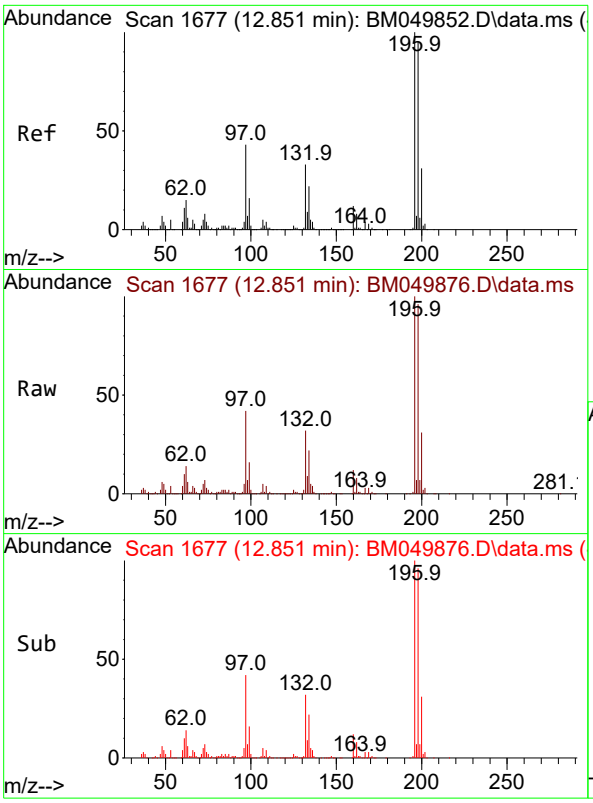


#42
2,4,6-Tribromophenol
Concen: 81.226 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:330 Resp: 771794

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.9	23.5	35.3



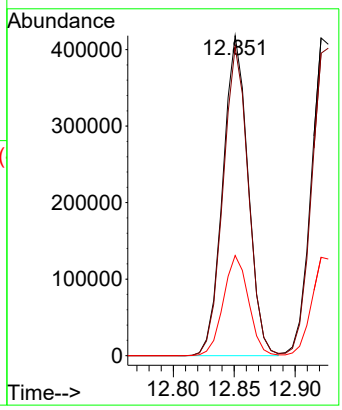


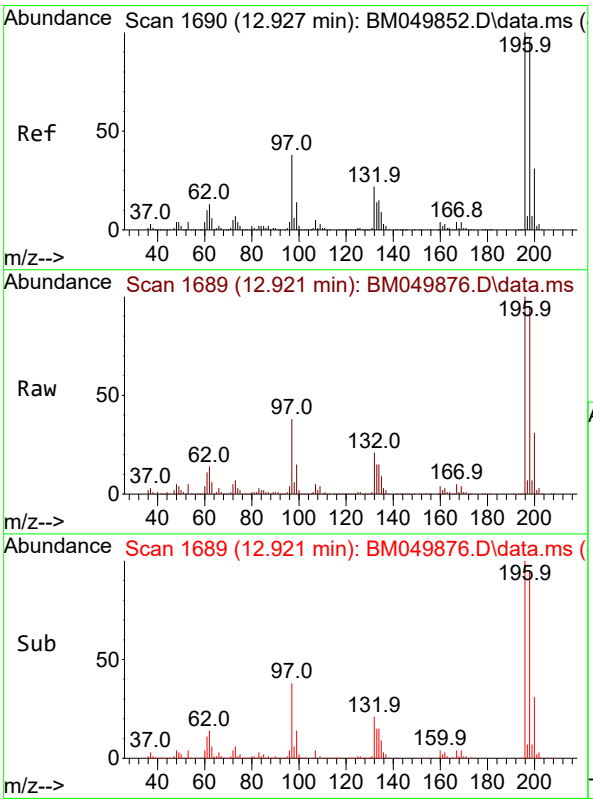
#43
2,4,6-Trichlorophenol
Concen: 41.497 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 603479

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.1	114.1
200	31.3	24.7	37.1

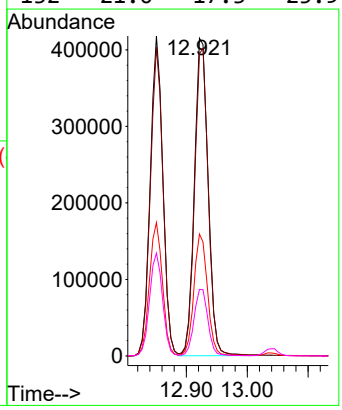


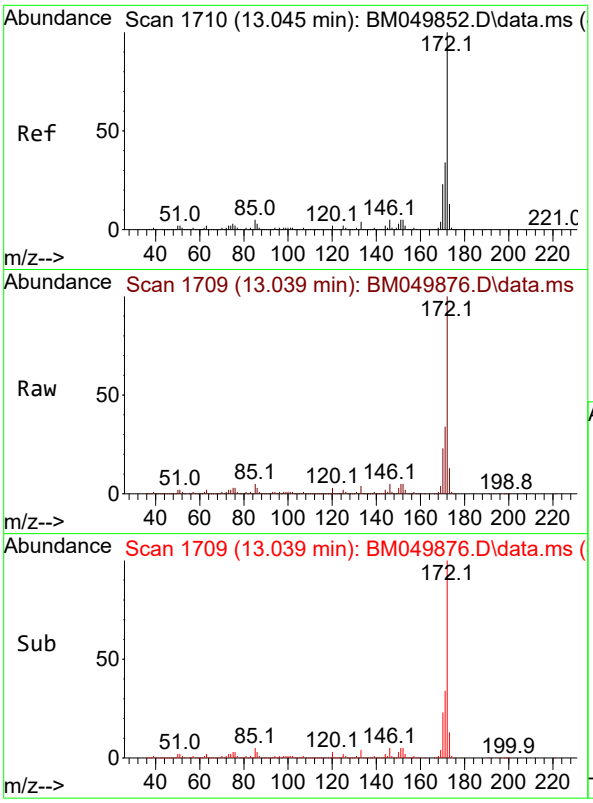


#44
2,4,5-Trichlorophenol
Concen: 41.224 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:196 Resp: 651481

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.7	116.5
97	38.4	30.3	45.5
132	21.0	17.3	25.9



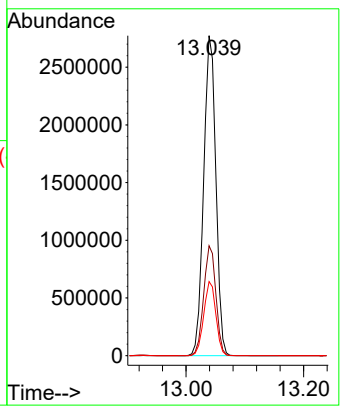


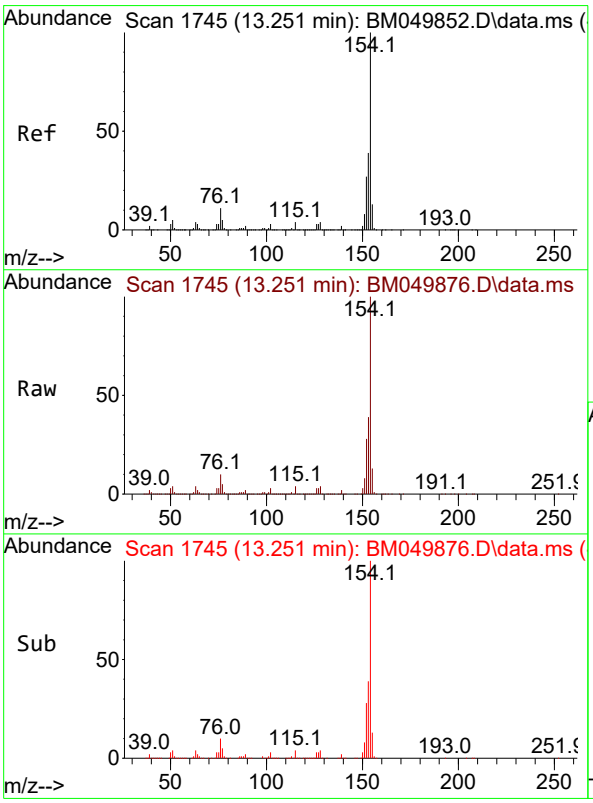
#45
2-Fluorobiphenyl
Concen: 82.628 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3980551

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.2	18.6	28.0

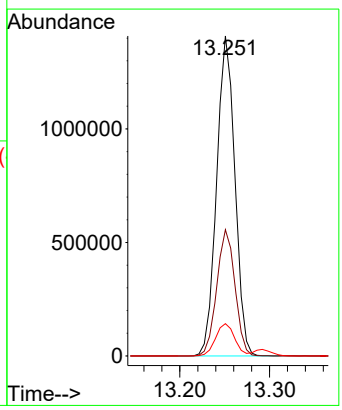


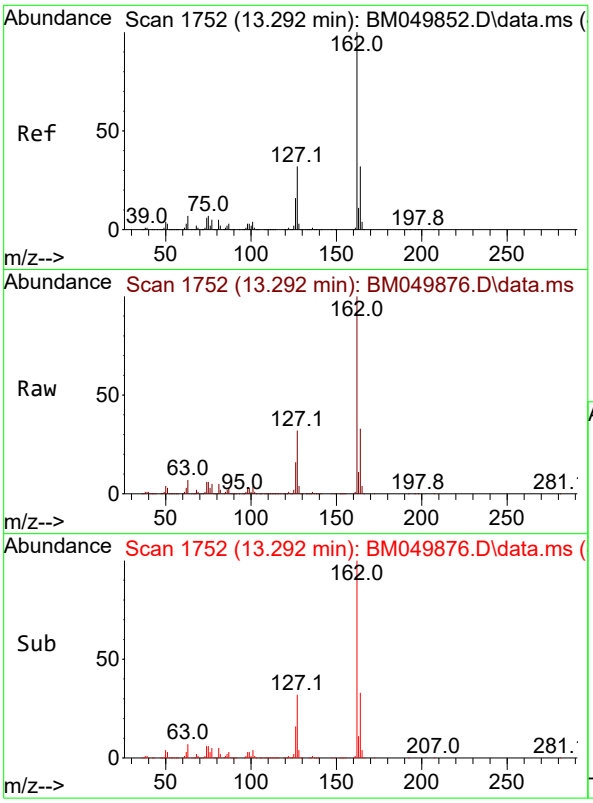


#46
1,1'-Biphenyl
Concen: 40.976 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:154 Resp: 1989806

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.1	0.0	30.7



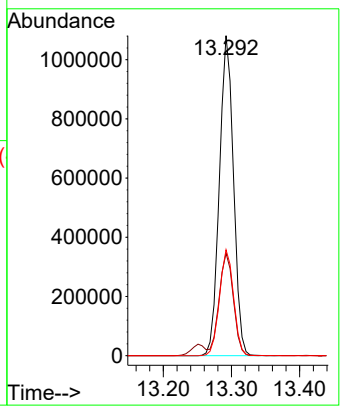


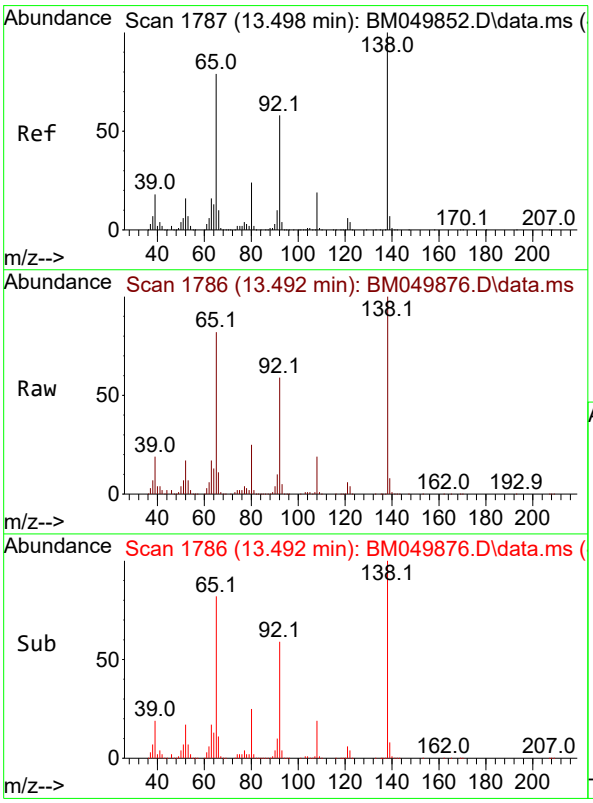
#47
2-Chloronaphthalene
Concen: 40.790 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1556856

Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.1	25.9	38.9

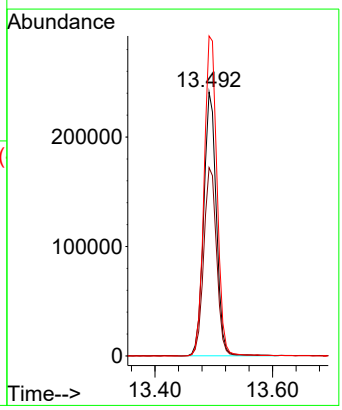


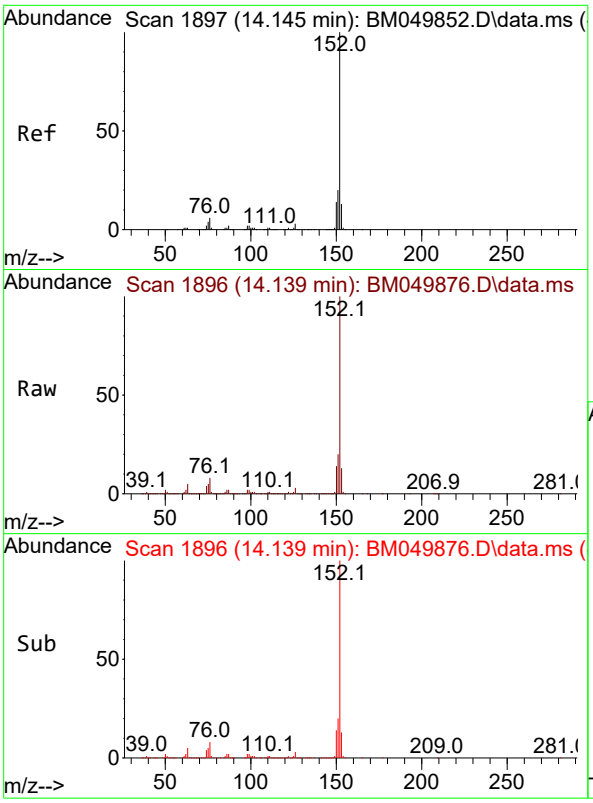


#48
2-Nitroaniline
Concen: 40.758 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion: 65 Resp: 359891

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	121.3	100.8	151.2



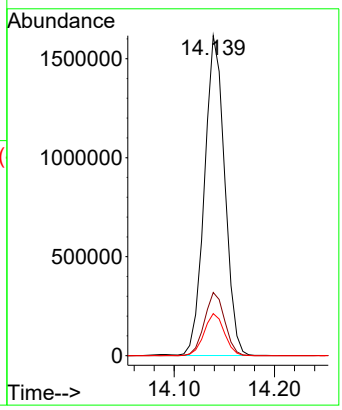


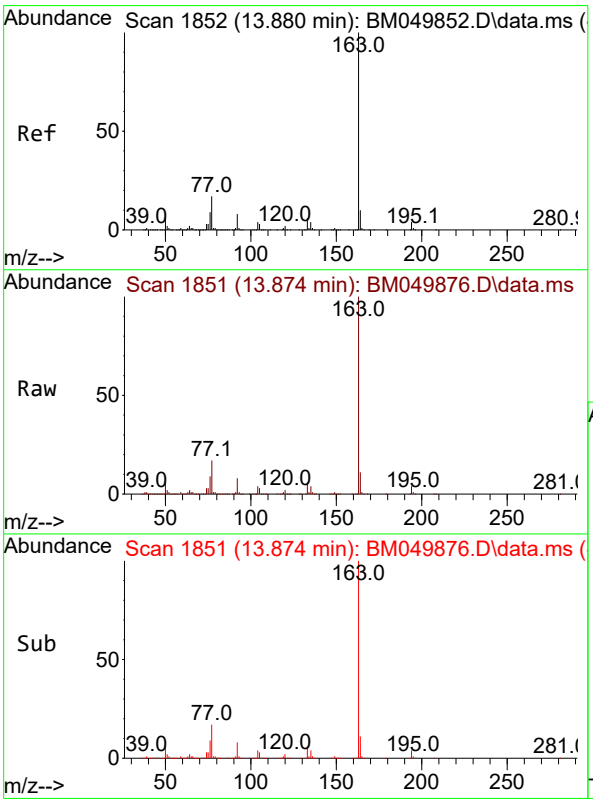
#49
Acenaphthylene
Concen: 40.832 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2270125

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6

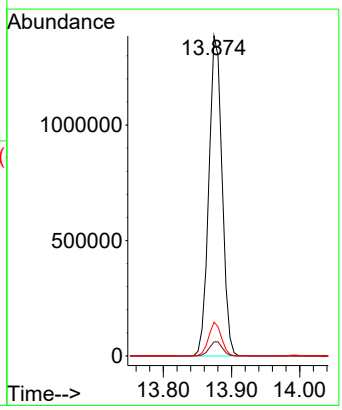


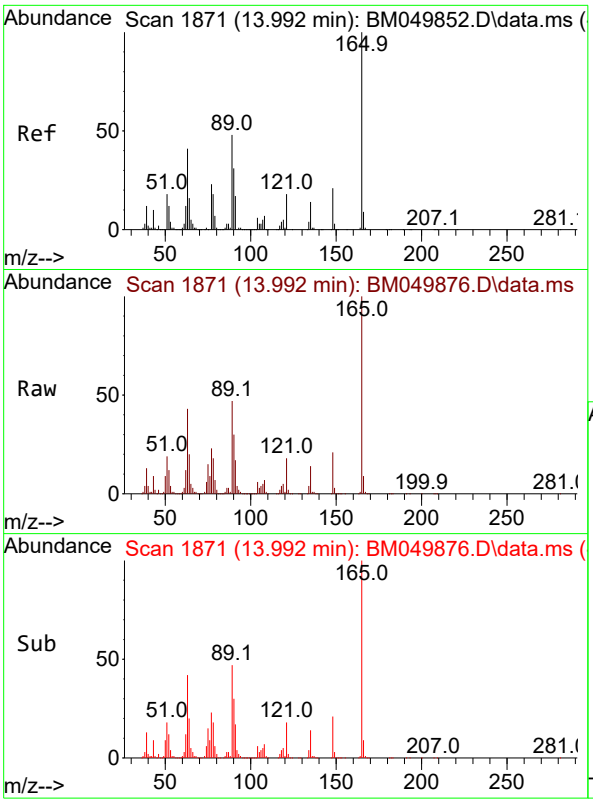


#50
Dimethylphthalate
Concen: 40.701 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:163 Resp: 1875746

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



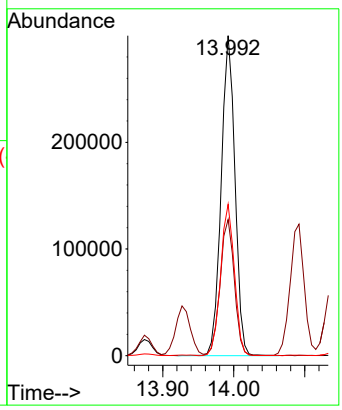


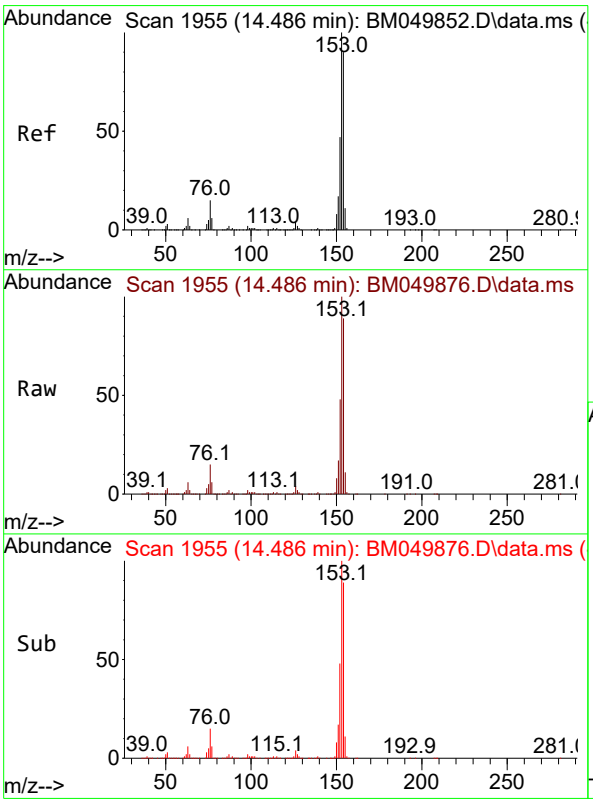
#51
2,6-Dinitrotoluene
Concen: 41.722 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 402852

Ion	Ratio	Lower	Upper
165	100		
63	42.5	36.1	54.1
89	47.3	38.3	57.5

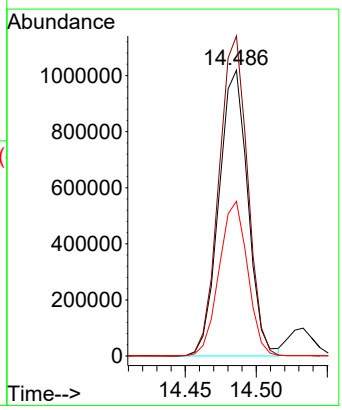


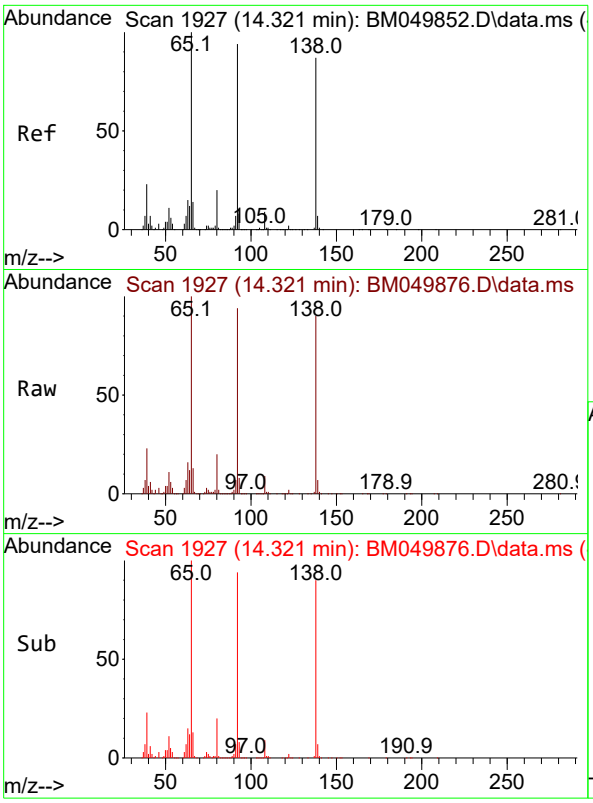


#52
Acenaphthene
Concen: 40.841 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:154 Resp: 1444316

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	54.1	42.2	63.2



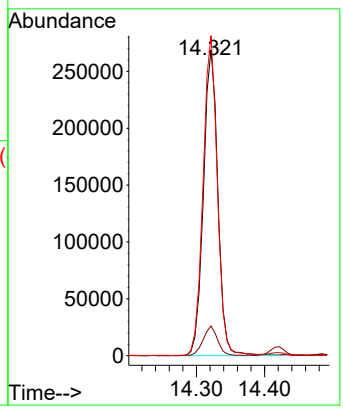


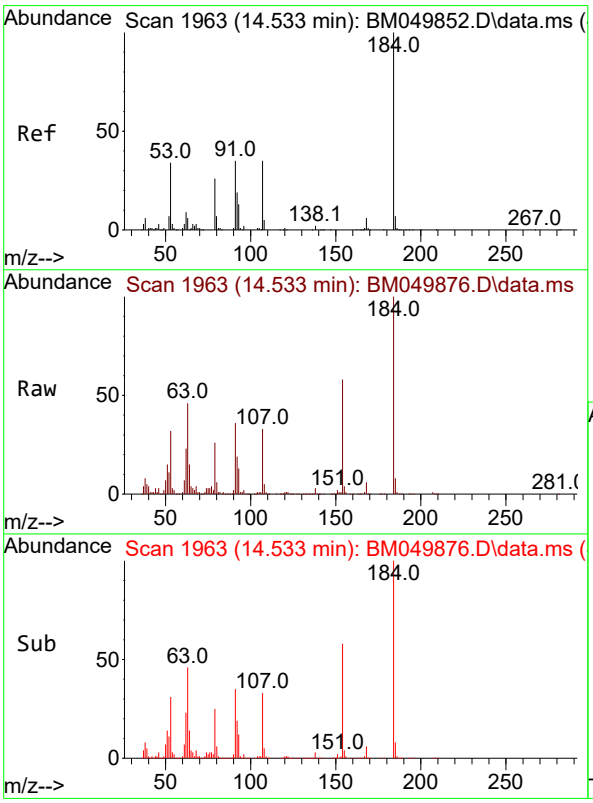
#53
3-Nitroaniline
Concen: 42.476 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 396394

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.6	86.5	129.7

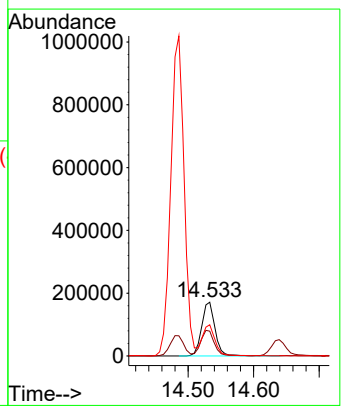


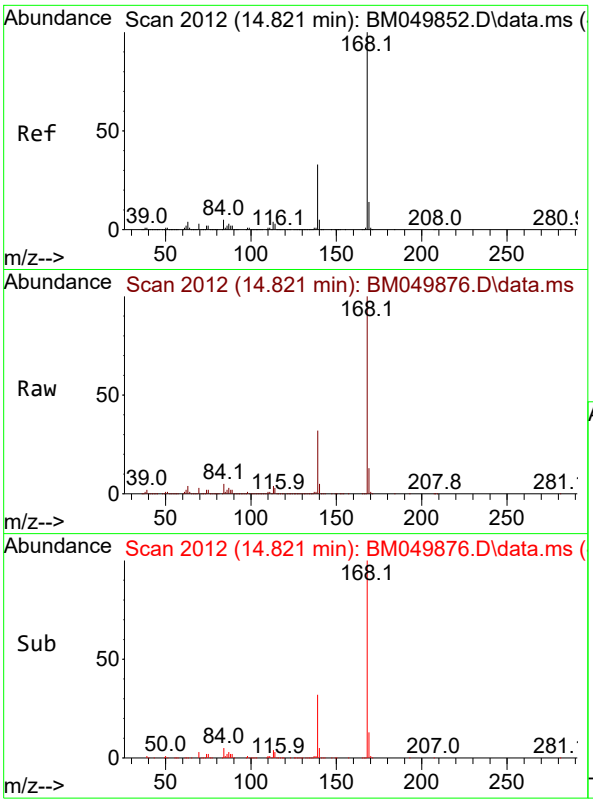


#54
2,4-Dinitrophenol
Concen: 38.865 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:184 Resp: 243202

Ion	Ratio	Lower	Upper
184	100		
63	46.2	38.4	57.6
154	57.9	48.1	72.1



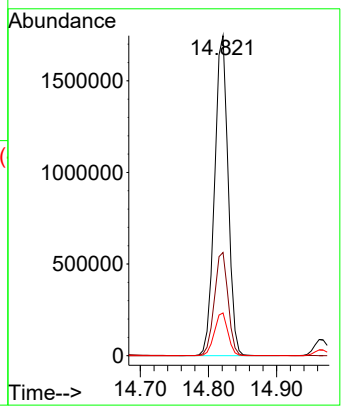


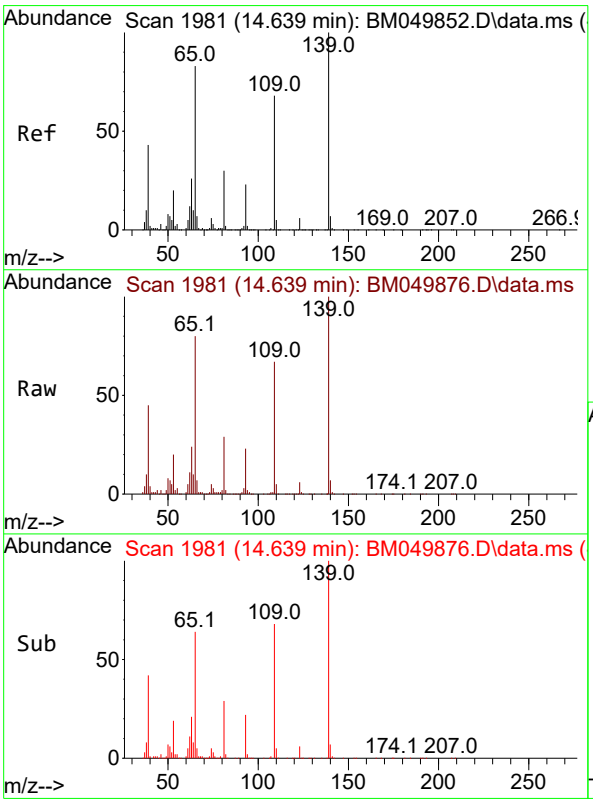
#55
Dibenzofuran
Concen: 40.776 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2410617

Ion	Ratio	Lower	Upper
168	100		
139	32.2	26.6	39.8
169	13.4	11.0	16.4

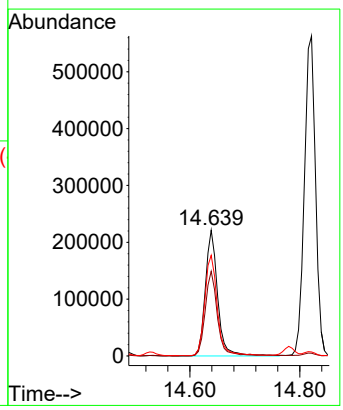


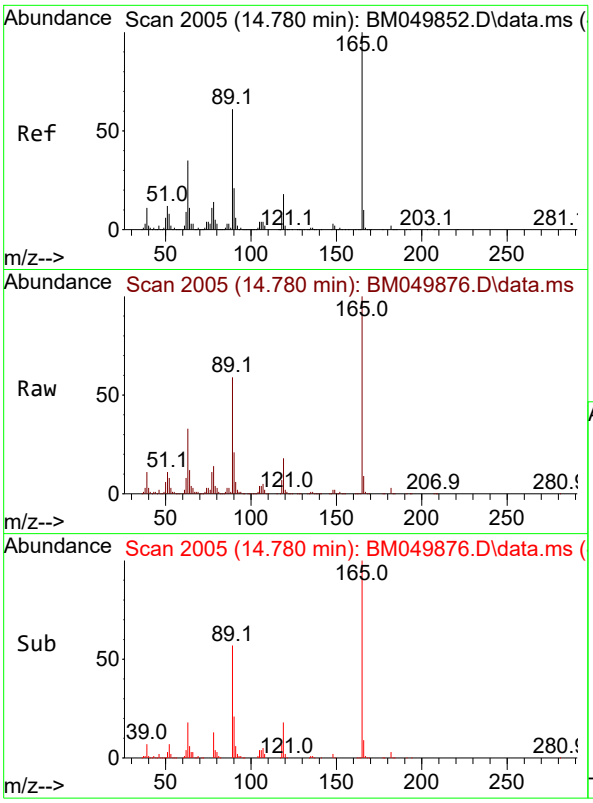


#56
4-Nitrophenol
Concen: 41.354 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:139 Resp: 343910

Ion	Ratio	Lower	Upper
139	100		
109	67.3	47.9	87.9
65	80.1	62.7	102.7



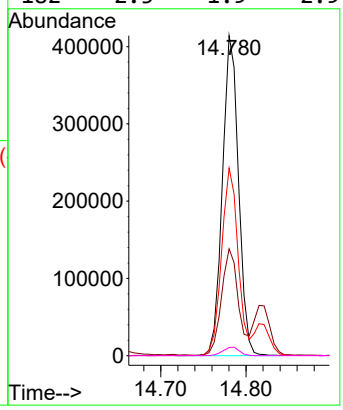


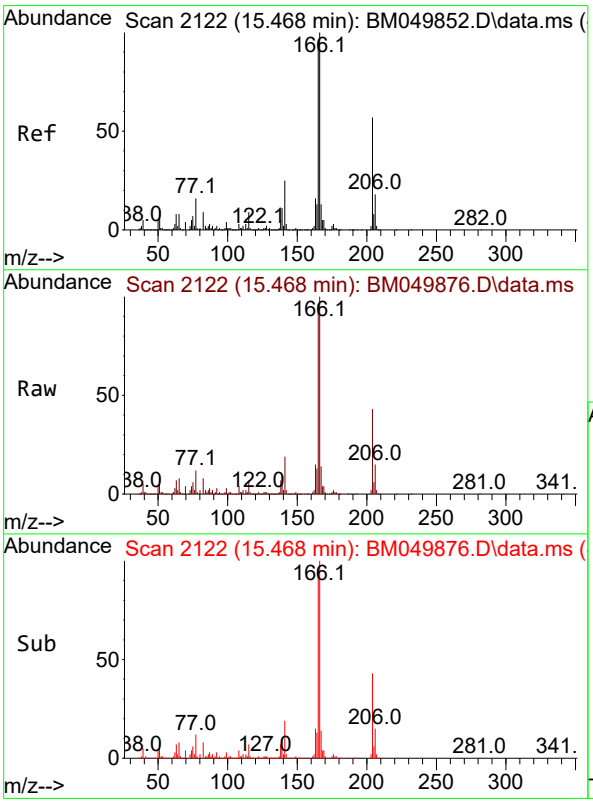
#57
2,4-Dinitrotoluene
Concen: 42.400 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 546172

Ion	Ratio	Lower	Upper
165	100		
63	33.4	28.6	42.8
89	58.6	49.0	73.6
182	2.5	1.9	2.9

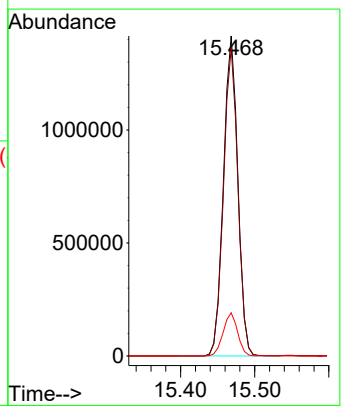


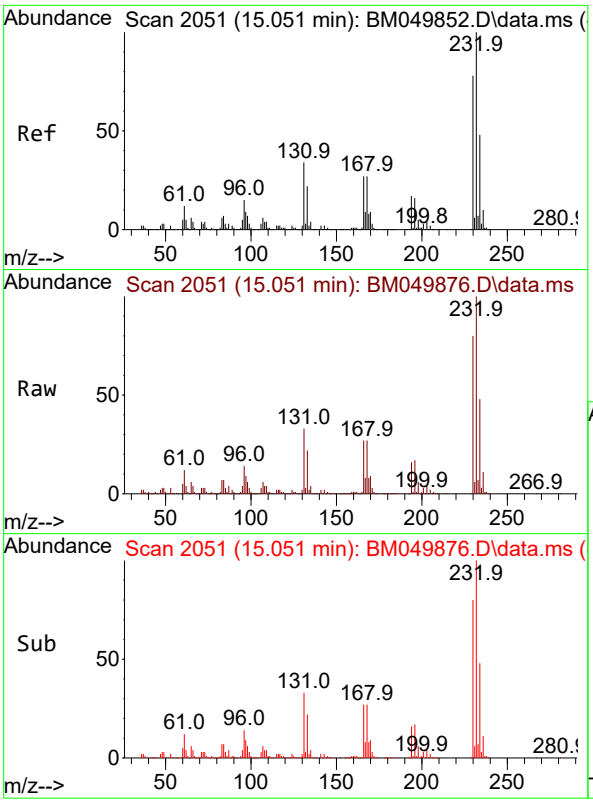


#58
Fluorene
Concen: 40.657 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:166 Resp: 1910592

Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.3	114.5
167	13.5	10.7	16.1



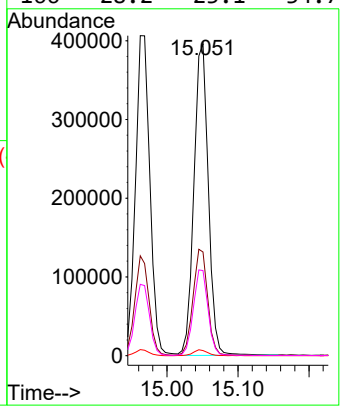


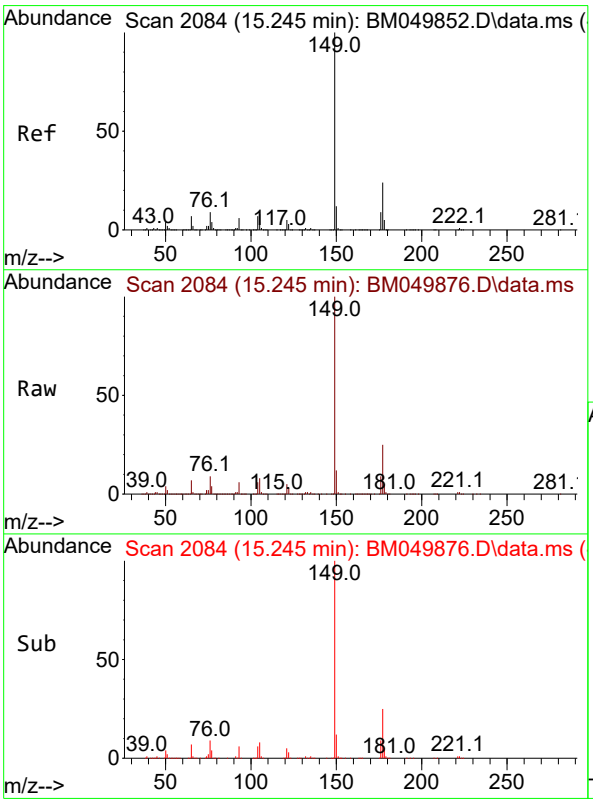
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.341 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 558780

Ion	Ratio	Lower	Upper
232	100		
131	34.8	28.4	42.6
130	1.9	1.6	2.4
166	28.2	23.1	34.7

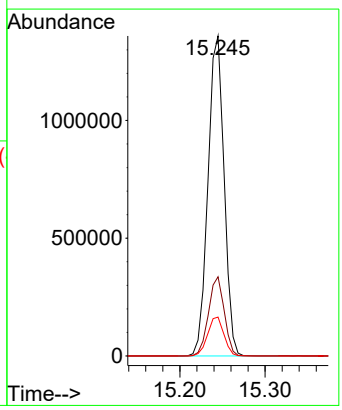


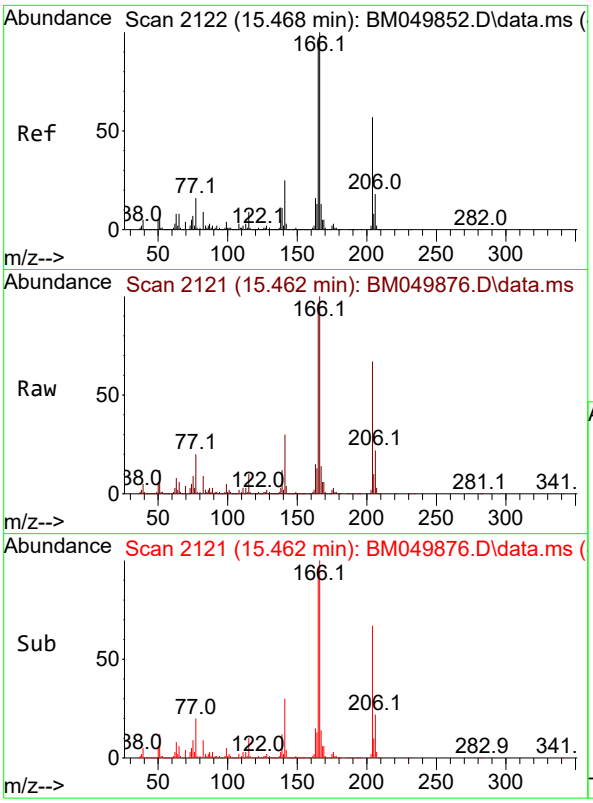


#60
Diethylphthalate
Concen: 40.430 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1786820

Ion	Ratio	Lower	Upper
149	100		
177	24.7	19.0	28.4
150	12.1	9.7	14.5



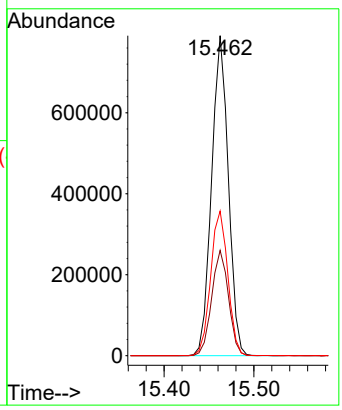


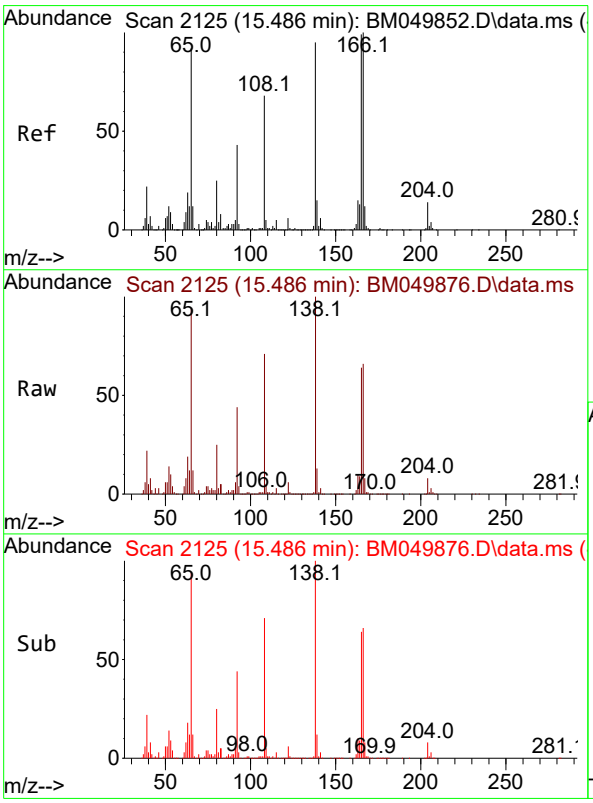
#61
4-Chlorophenyl-phenylether
Concen: 40.582 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1022448

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.2
141	45.2	35.0	52.6

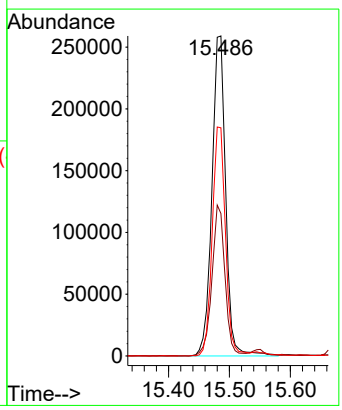


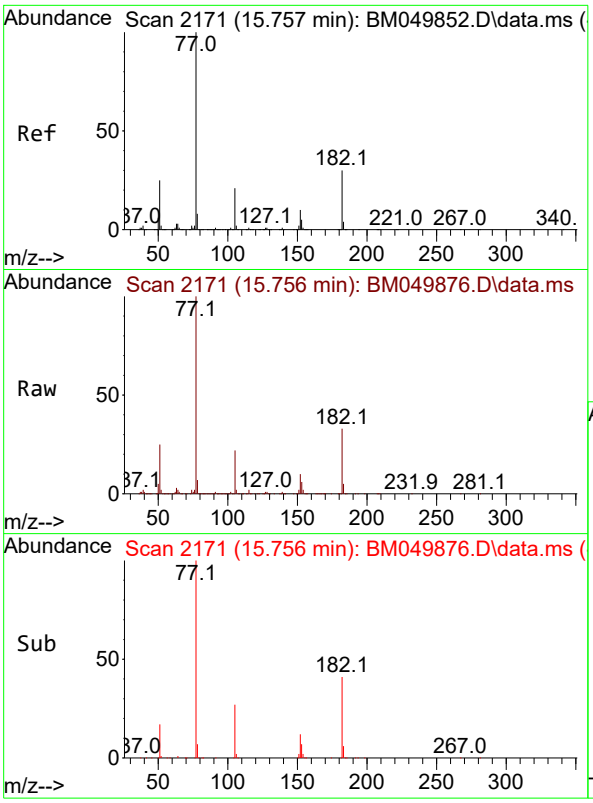


#62
4-Nitroaniline
Concen: 42.047 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:138 Resp: 405788

Ion	Ratio	Lower	Upper
138	100		
92	44.5	24.9	64.9
108	71.3	51.7	91.7



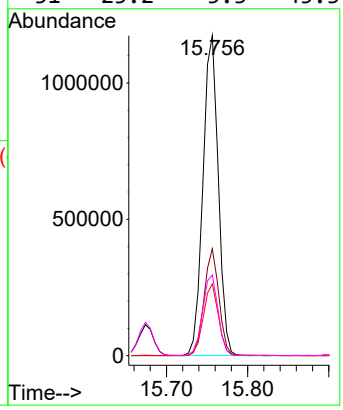


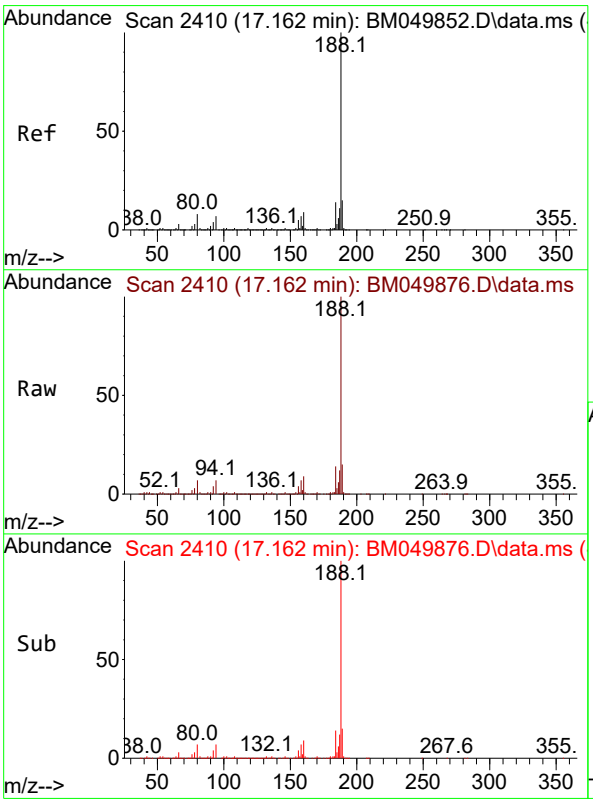
#63
Azobenzene
Concen: 40.588 ng
RT: 15.756 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1535782

Ion	Ratio	Lower	Upper
77	100		
182	33.4	10.4	50.4
105	22.5	1.5	41.5
51	25.2	5.3	45.3

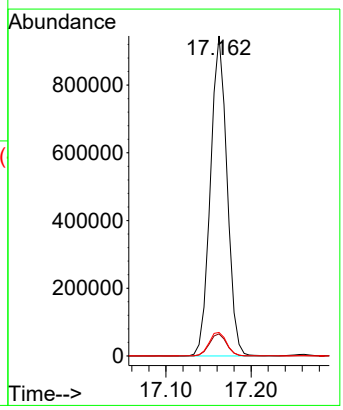


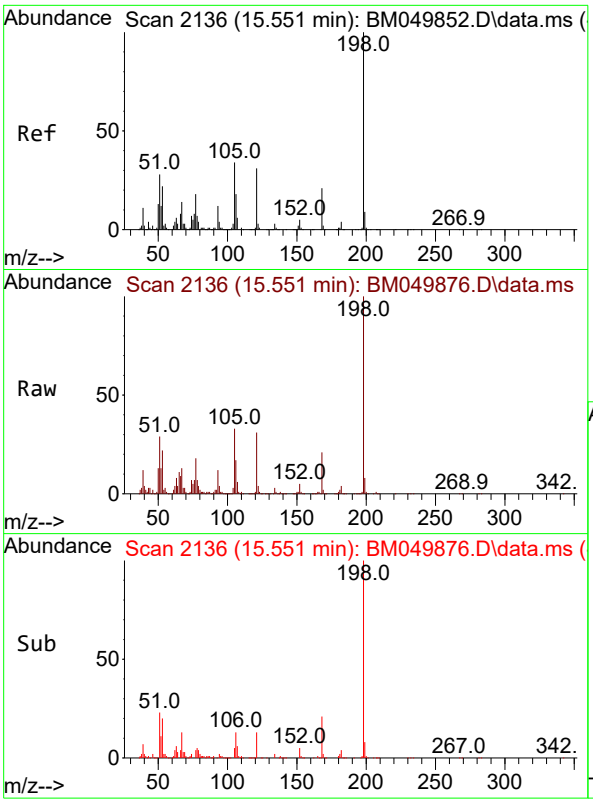


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:188 Resp: 1279702

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.4	6.4	9.6



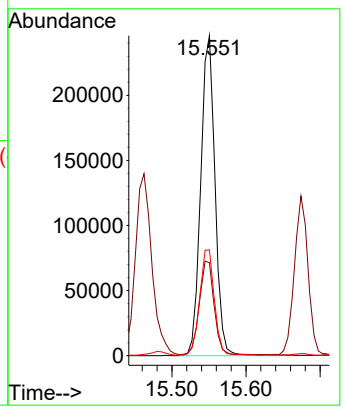


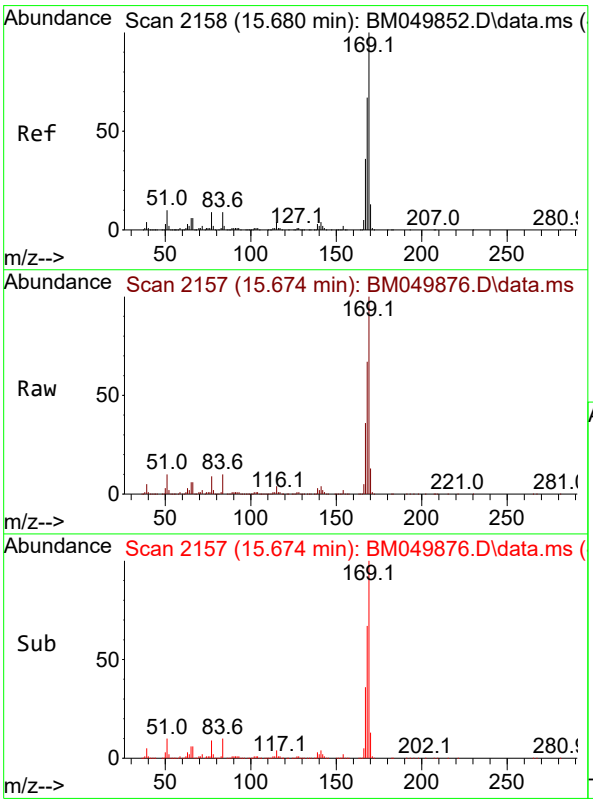
#65
4,6-Dinitro-2-methylphenol
Concen: 40.870 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 329580

Ion	Ratio	Lower	Upper
198	100		
51	29.1	9.6	49.6
105	33.0	14.7	54.7

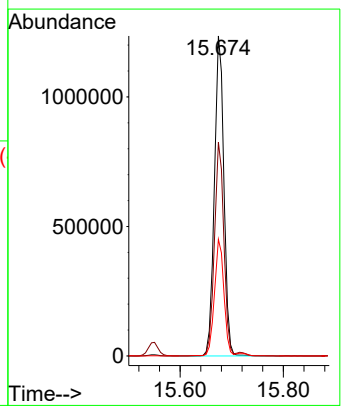


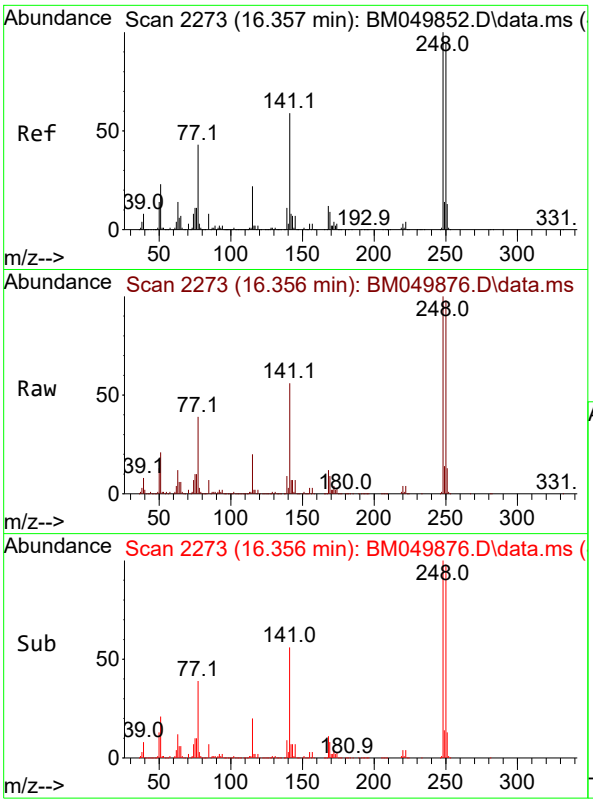


#66
n-Nitrosodiphenylamine
Concen: 41.061 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:169 Resp: 1572499

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.4	29.0	43.6



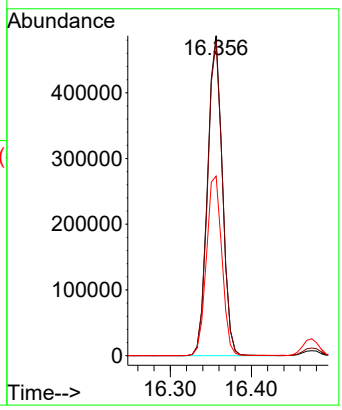


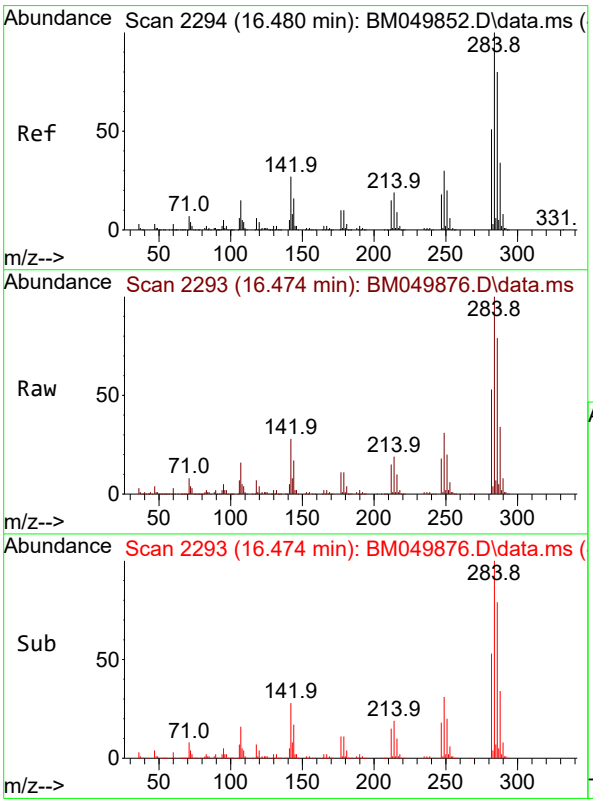
#67
4-Bromophenyl-phenylether
Concen: 41.305 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 613620

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	56.1	47.3	70.9

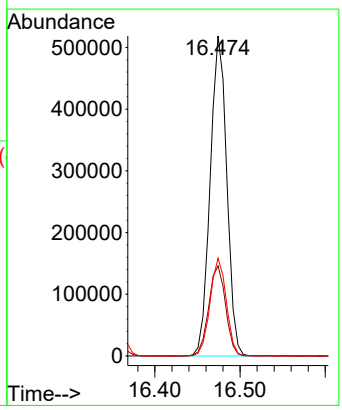


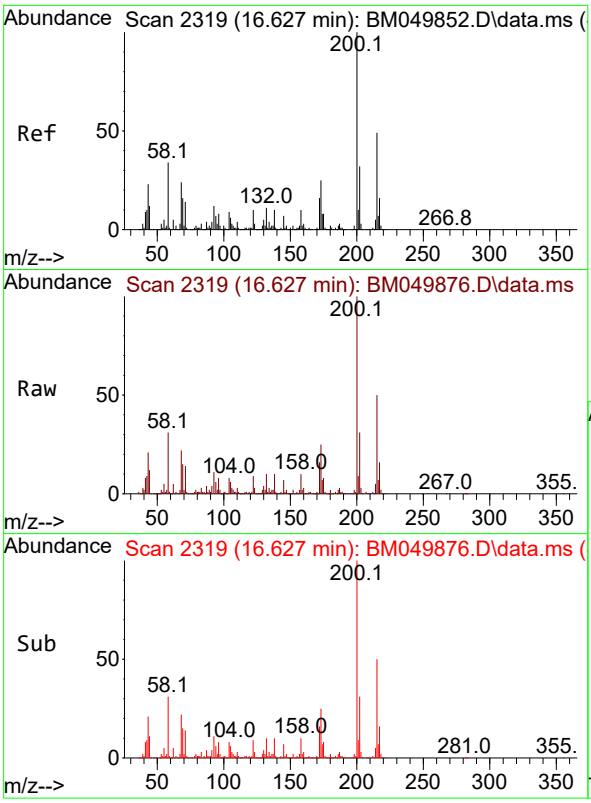


#68
Hexachlorobenzene
Concen: 41.127 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:284 Resp: 700815

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.2	31.8
249	30.5	24.1	36.1



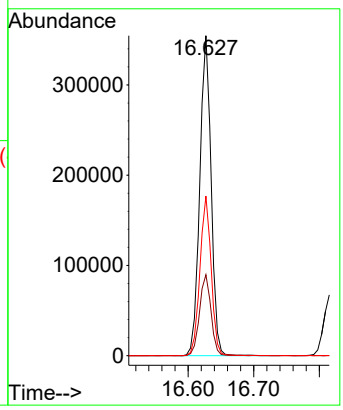


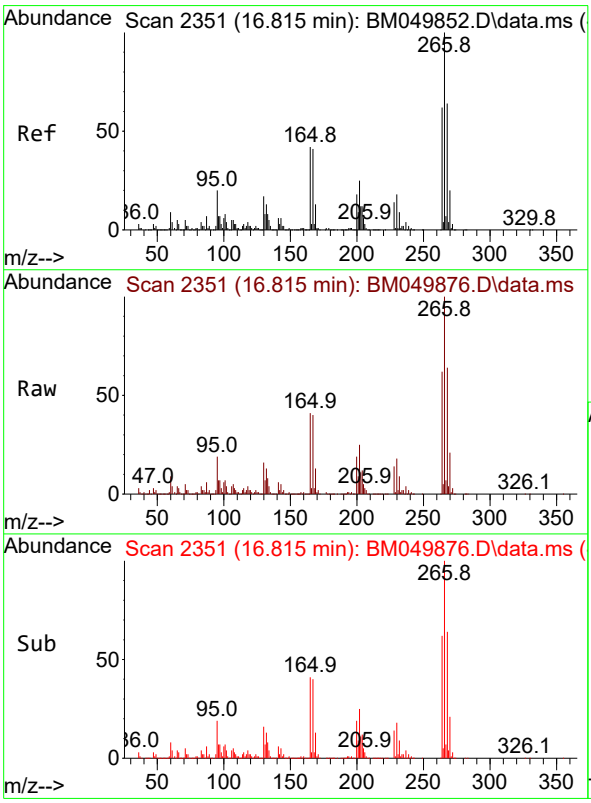
#69
Atrazine
Concen: 43.022 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 427194

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.4	45.4
215	49.8	29.0	69.0

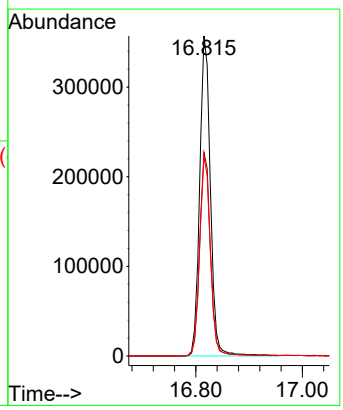


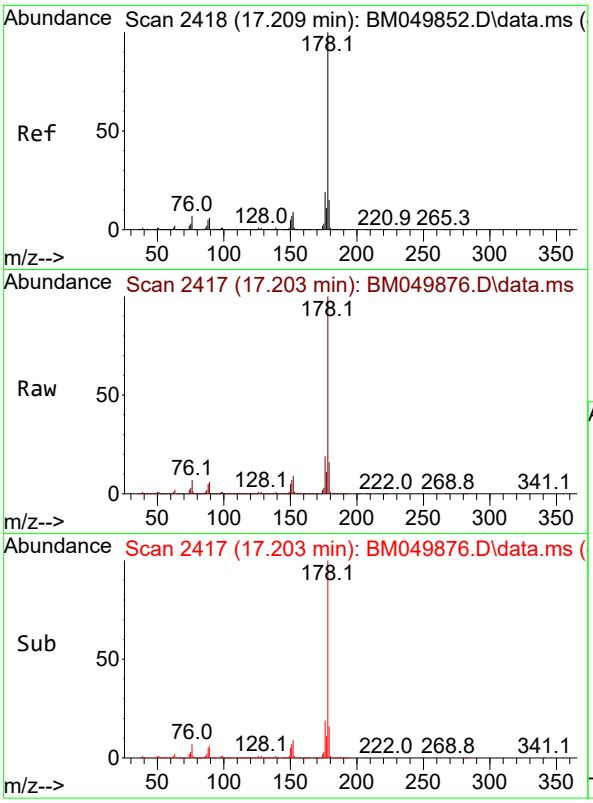


#70
Pentachlorophenol
Concen: 39.707 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:266 Resp: 498137

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.4	77.2
264	62.5	49.8	74.8



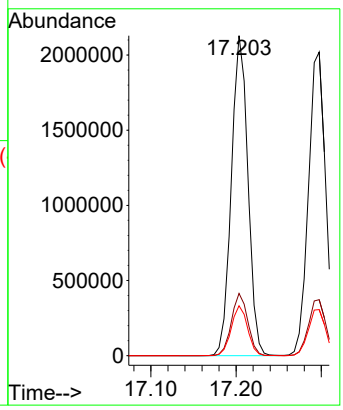


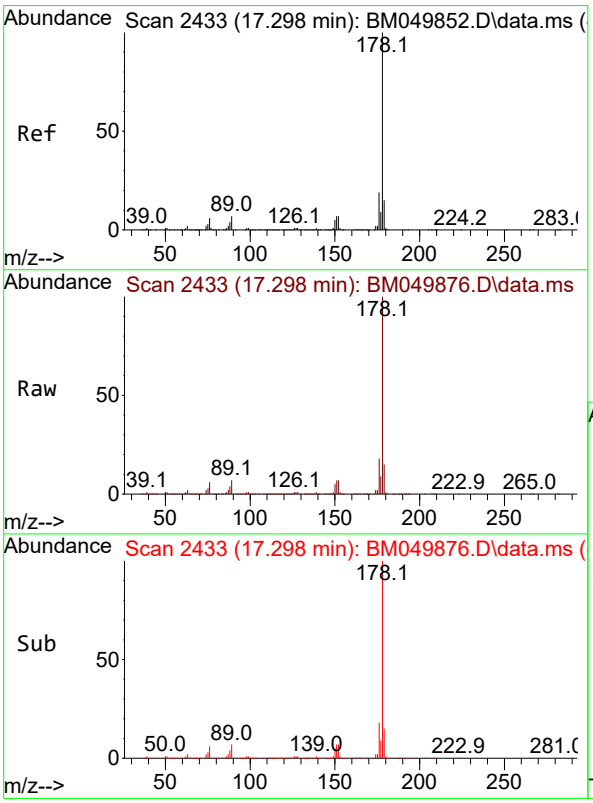
#71
Phenanthrene
Concen: 40.981 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2875162

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.3	18.5

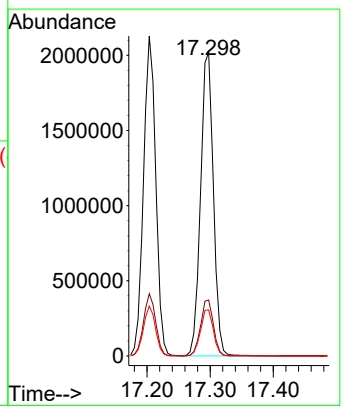


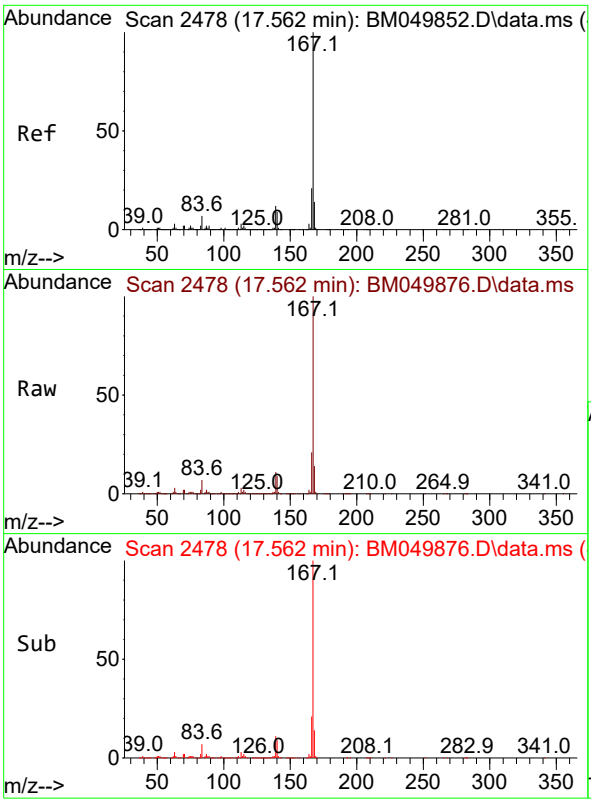


#72
Anthracene
Concen: 41.121 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:178 Resp: 2843094

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.2	12.4	18.6



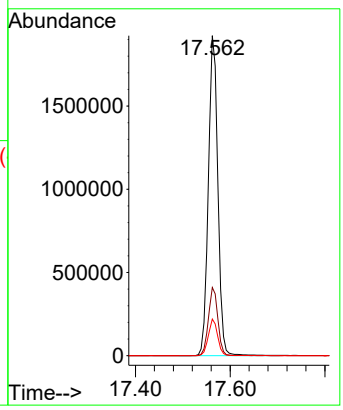


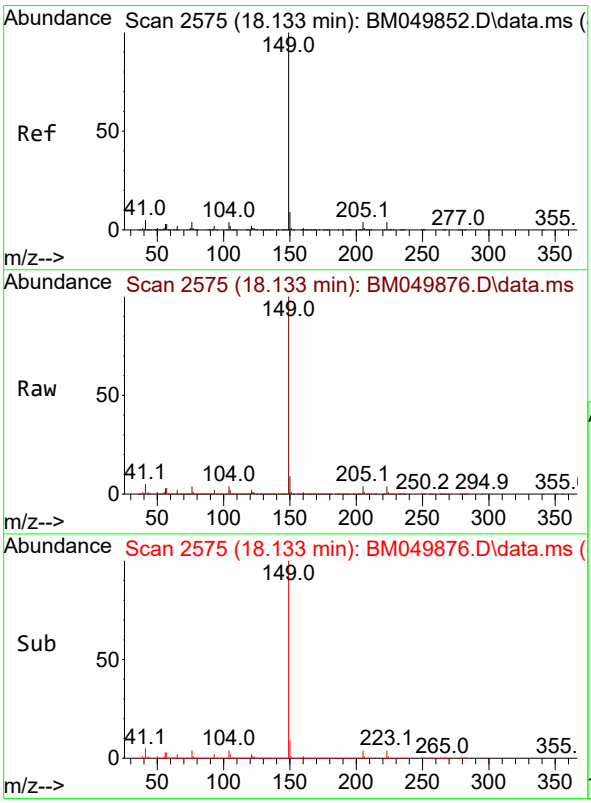
#73
Carbazole
Concen: 41.001 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2670007

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.4	9.3	13.9

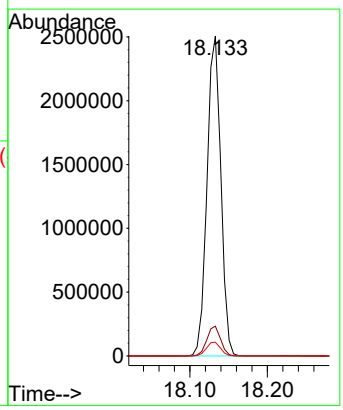


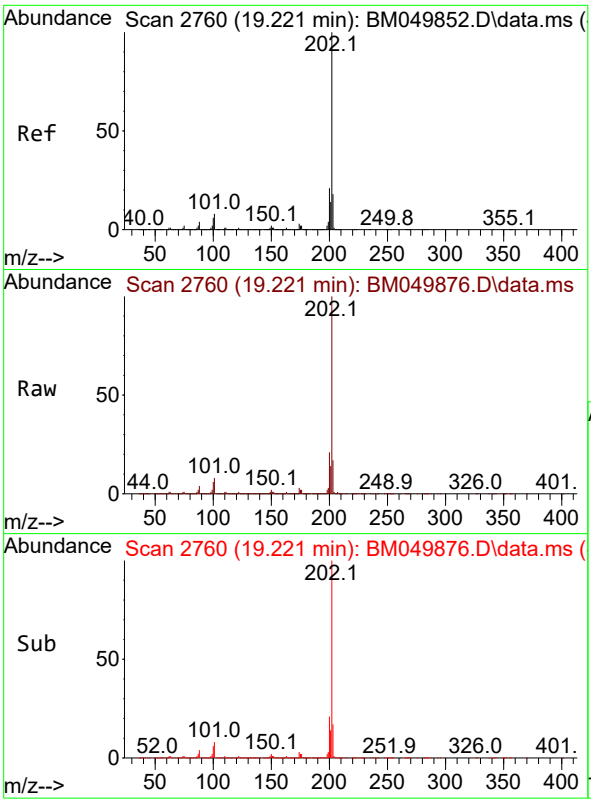


#74
Di-n-butylphthalate
Concen: 41.281 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 3096383

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.5	5.3



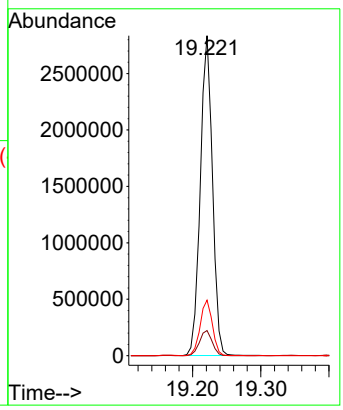


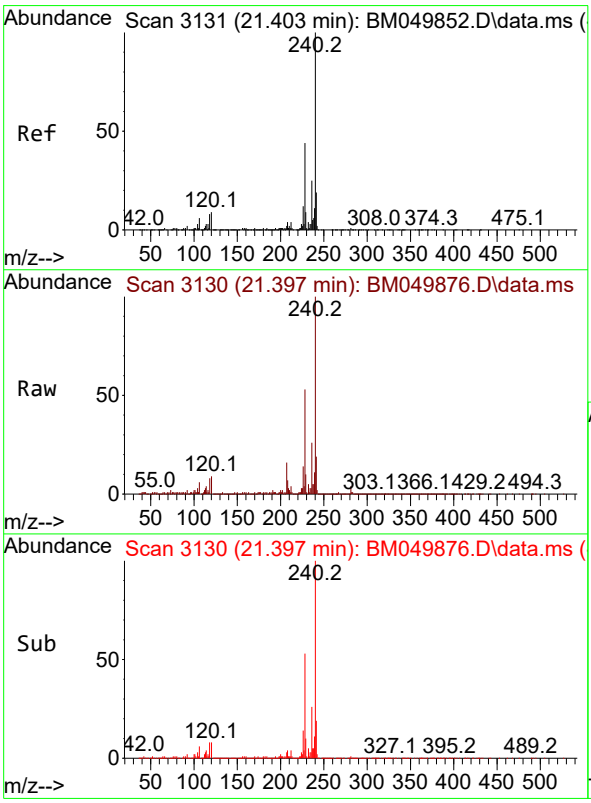
#75
Fluoranthene
Concen: 40.587 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3501102

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.3	0.0	37.8

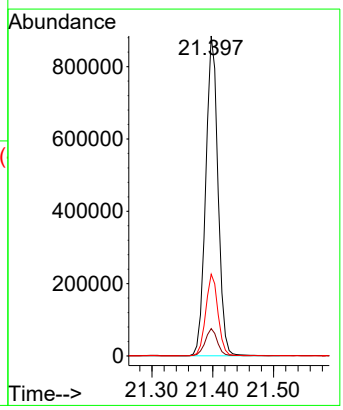


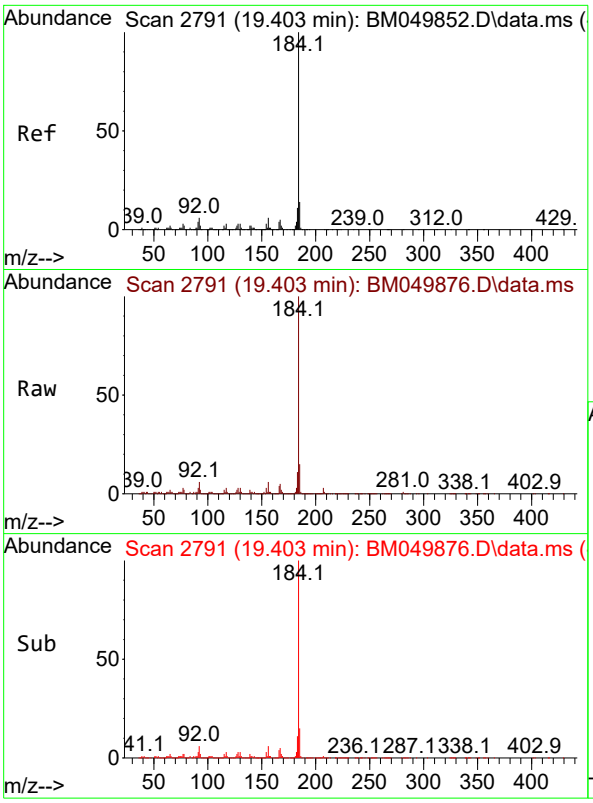


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:240 Resp: 1240973

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	25.6	20.4	30.6



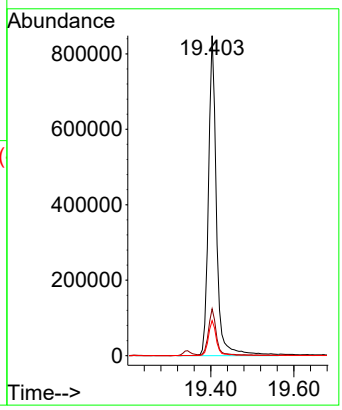


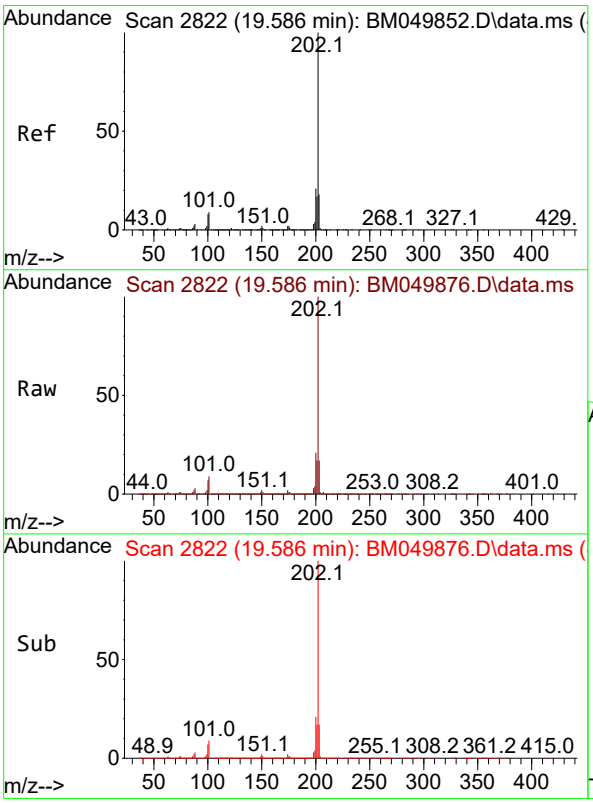
#77
Benzidine
Concen: 68.977 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1135587

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.0	8.8	13.2

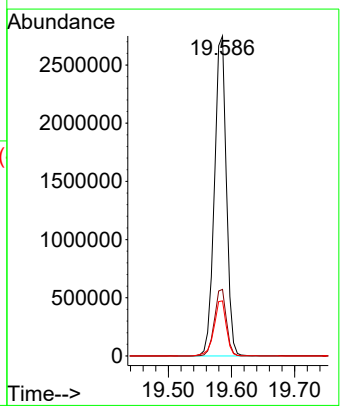


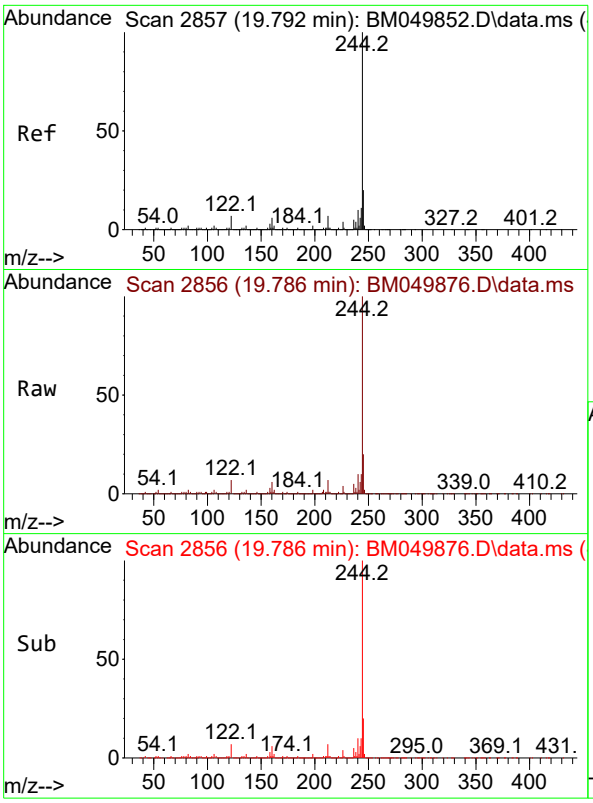


#78
Pyrene
Concen: 42.024 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:202 Resp: 3594146

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.2	14.0	21.0



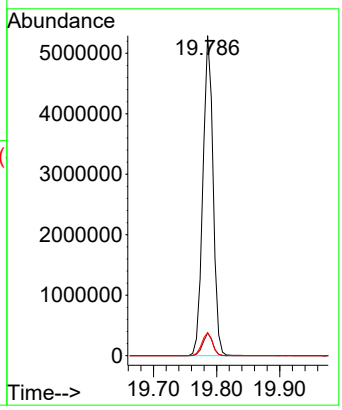


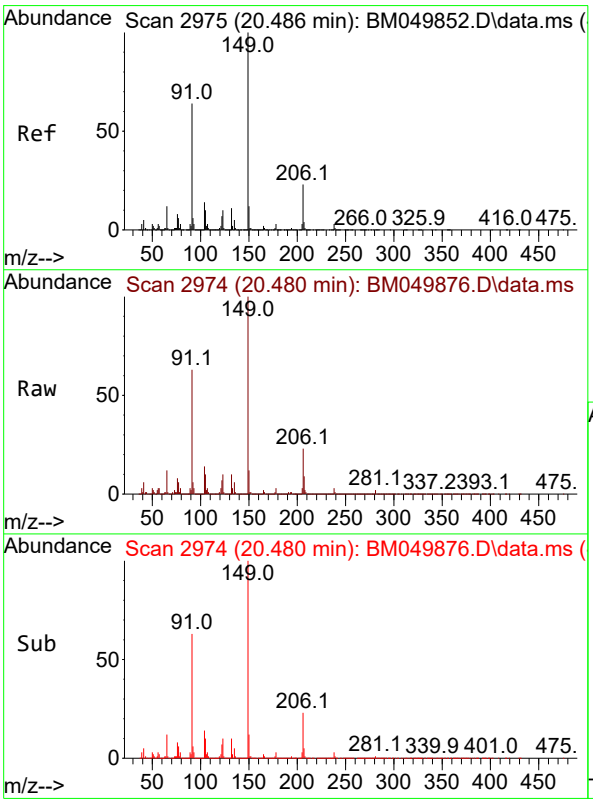
#79
Terphenyl-d14
Concen: 89.384 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 5918915

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.2	5.4	8.0

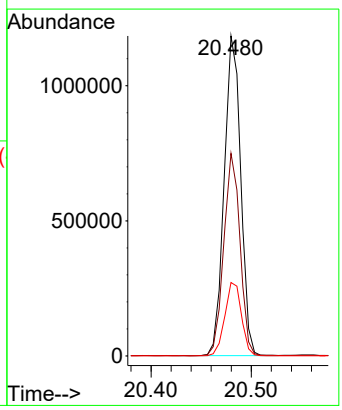


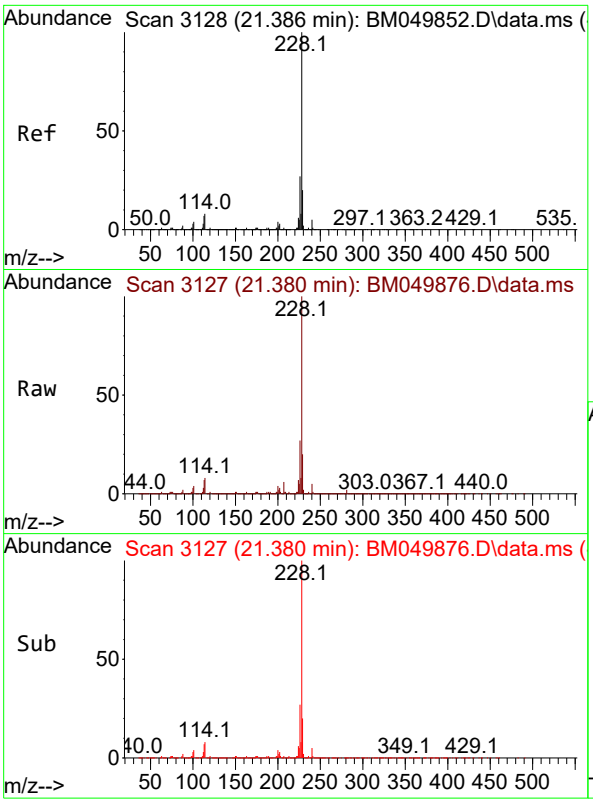


#80
Butylbenzylphthalate
Concen: 42.088 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1352556

Ion	Ratio	Lower	Upper
149	100		
91	63.3	50.9	76.3
206	22.9	18.4	27.6



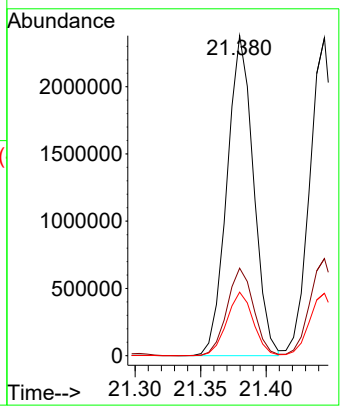


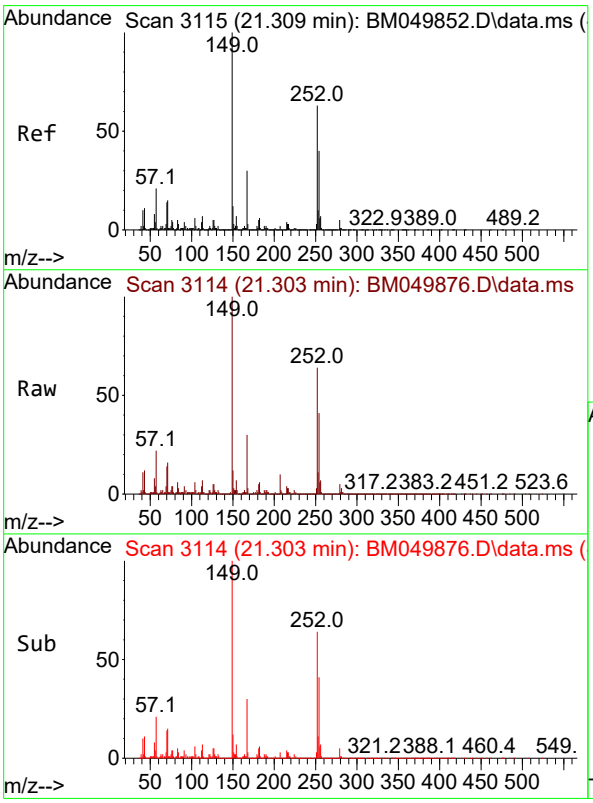
#81
Benzo(a)anthracene
Concen: 40.656 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3353051

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.8	23.8

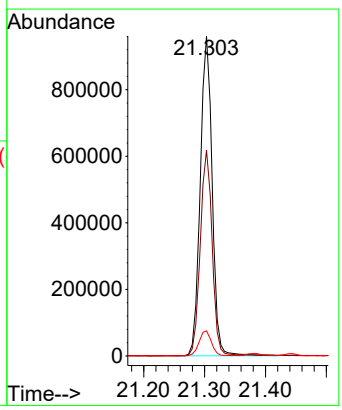


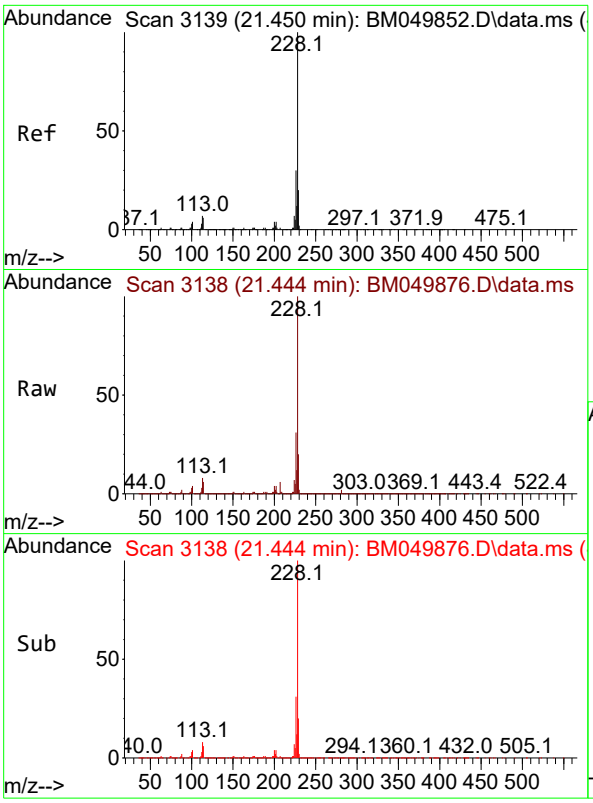


#82
3,3'-Dichlorobenzidine
Concen: 41.777 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 1301185

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	7.9	6.3	9.5



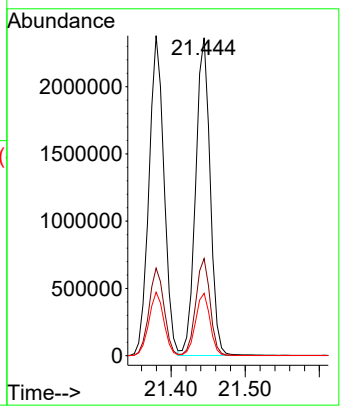


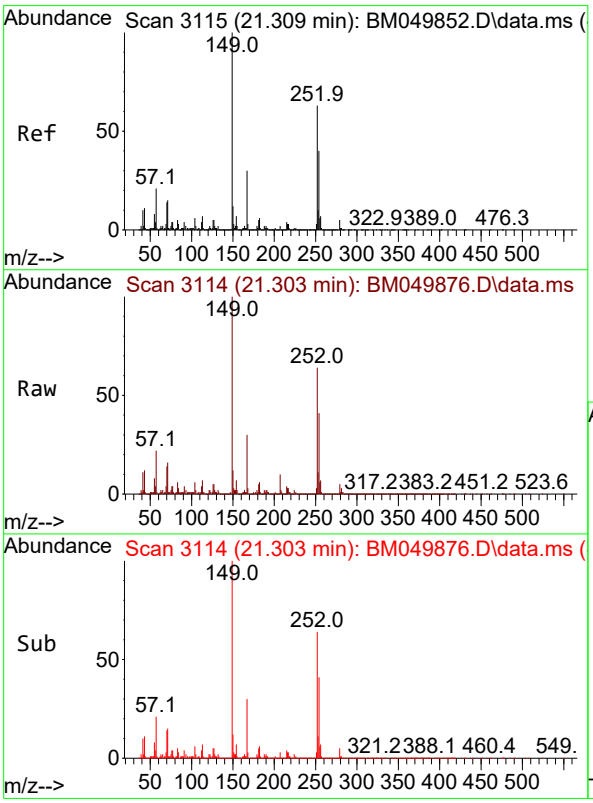
#83
Chrysene
Concen: 40.889 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3206035

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.6	15.8	23.6

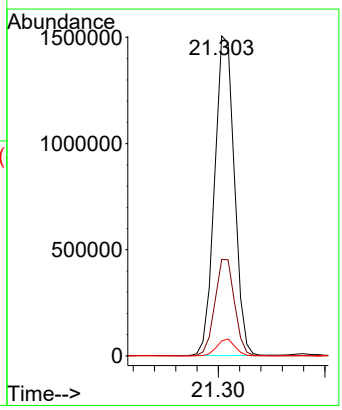


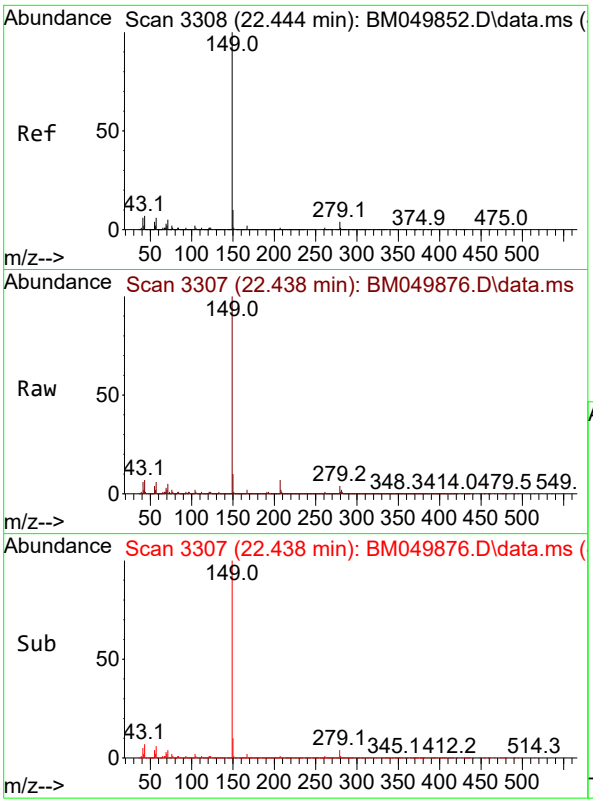


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.206 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:149 Resp: 1929348

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.8	35.6
279	4.7	3.8	5.8



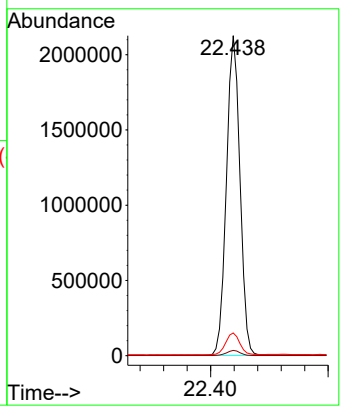


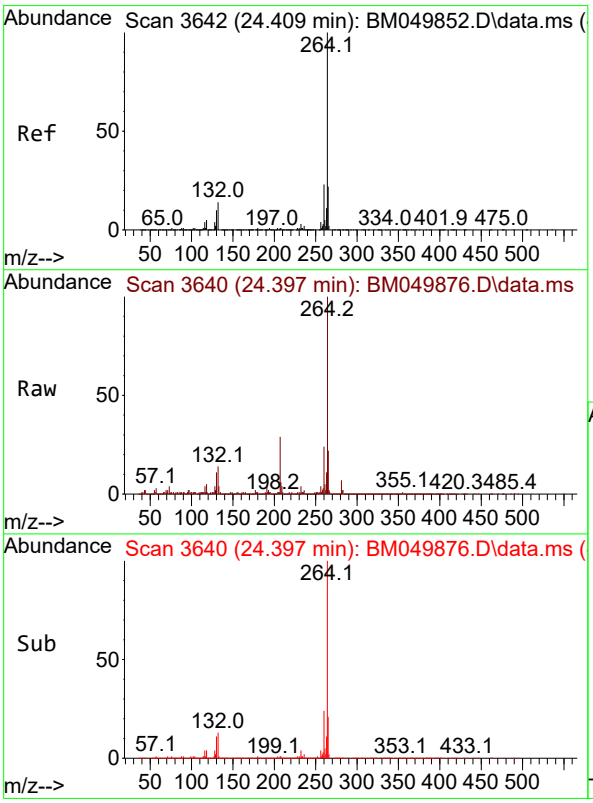
#85
Di-n-octyl phthalate
Concen: 41.414 ng
RT: 22.438 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3392272

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

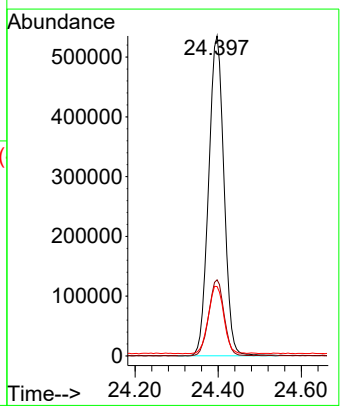


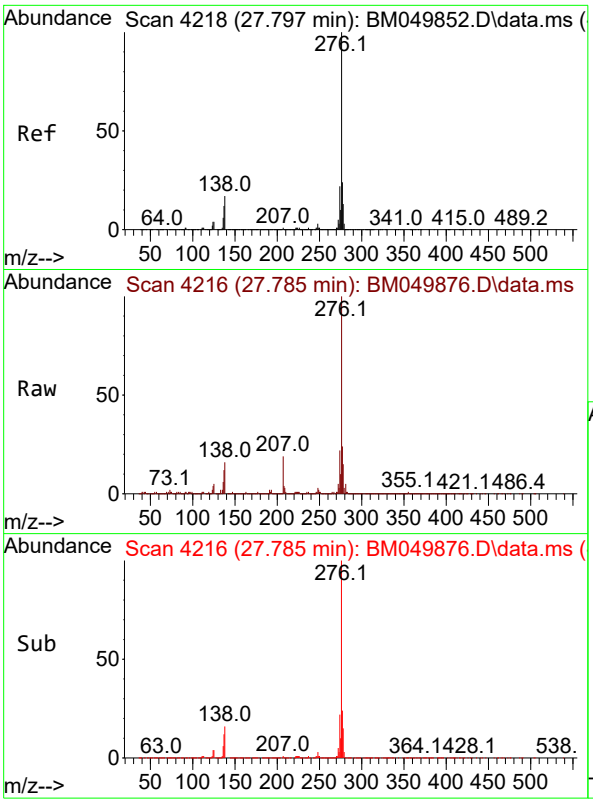


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:264 Resp: 1368352

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.7	17.8	26.8



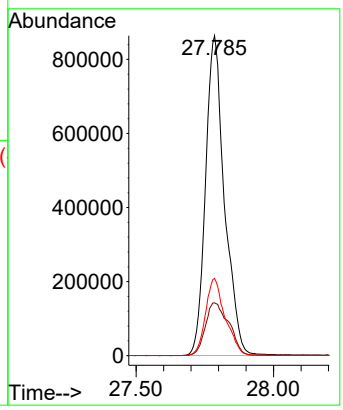


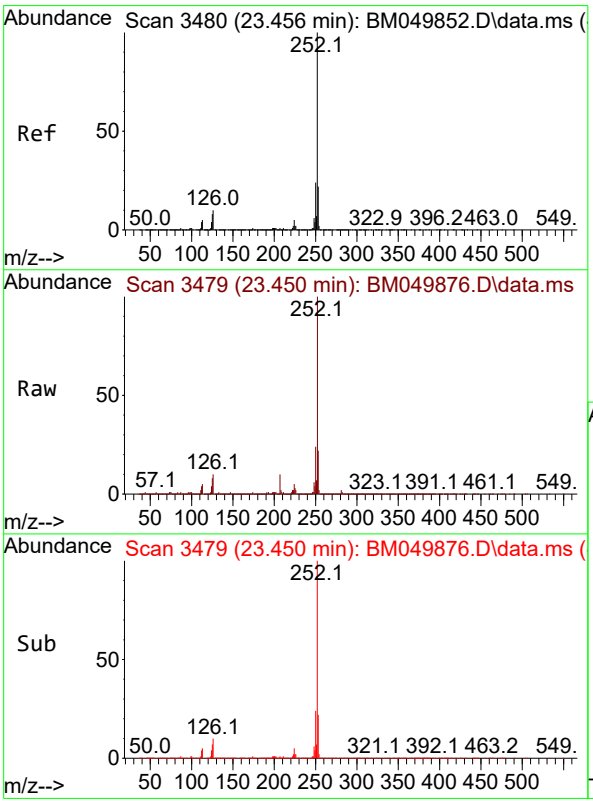
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.573 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 4138430

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.8	25.2
277	24.9	20.1	30.1

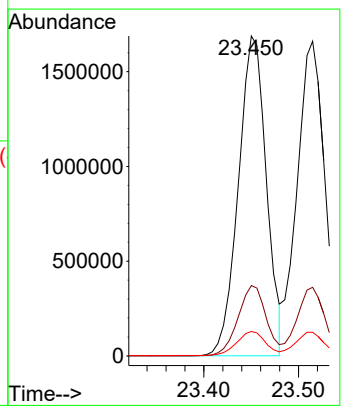


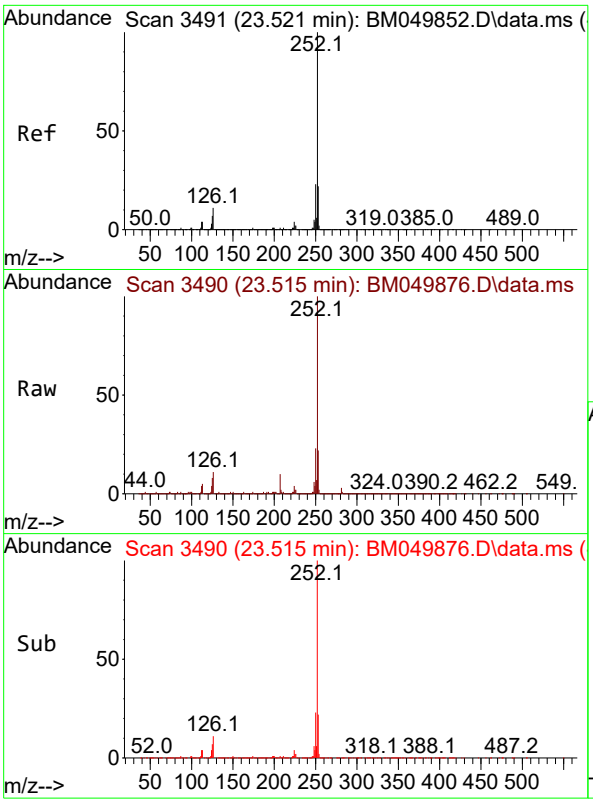


#88
Benzo(b)fluoranthene
Concen: 39.676 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 3467341

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



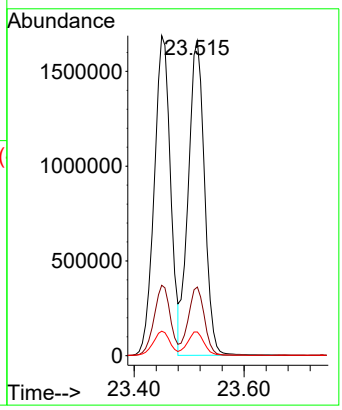


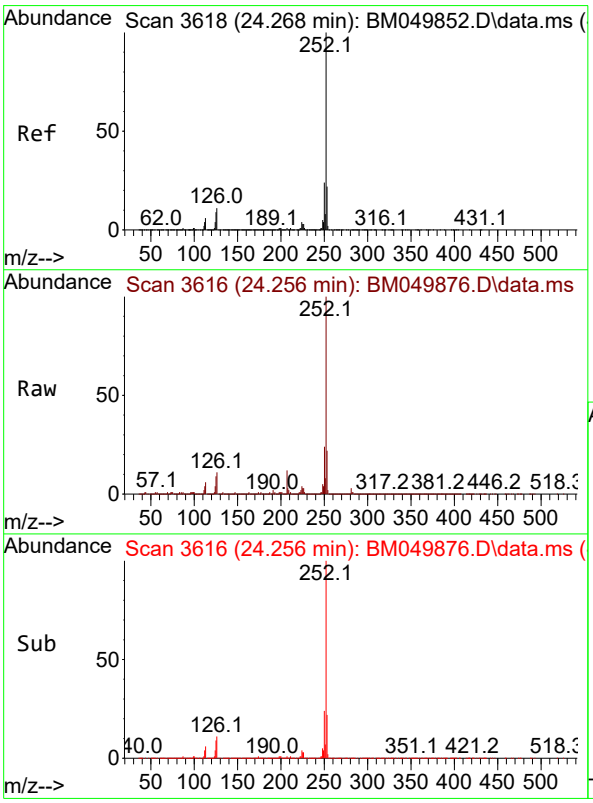
#89
Benzo(k)fluoranthene
Concen: 40.108 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3396697

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.5	5.8	8.8

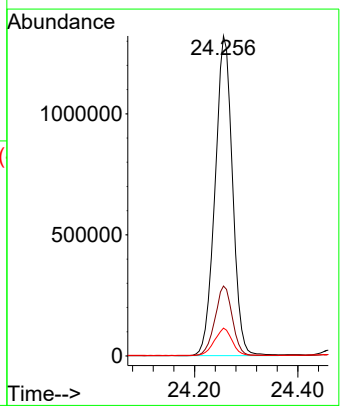


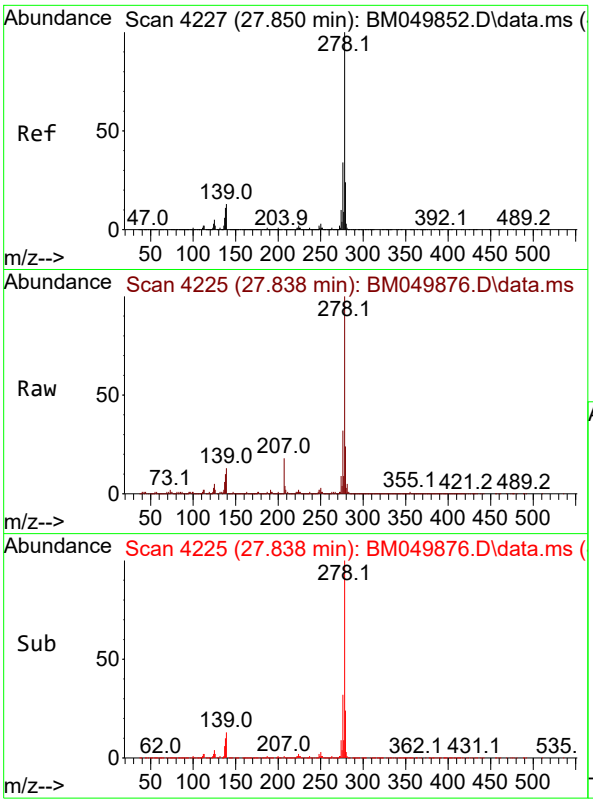


#90
Benzo(a)pyrene
Concen: 40.305 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:252 Resp: 3095192

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.7	7.0	10.4



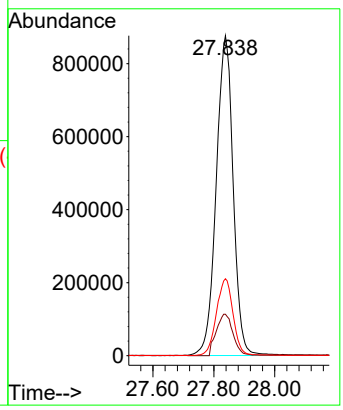


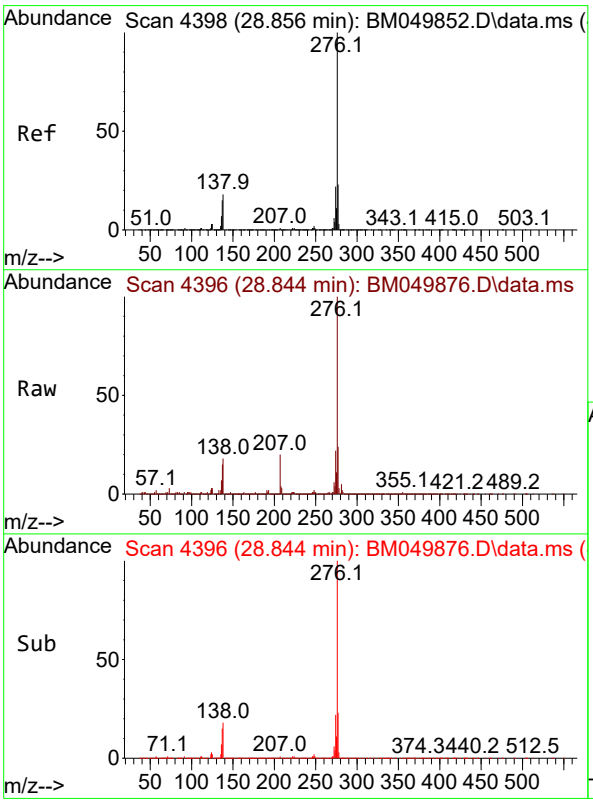
#91
Dibenzo(a,h)anthracene
Concen: 40.376 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3392168

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.6	15.8
279	24.1	19.1	28.7

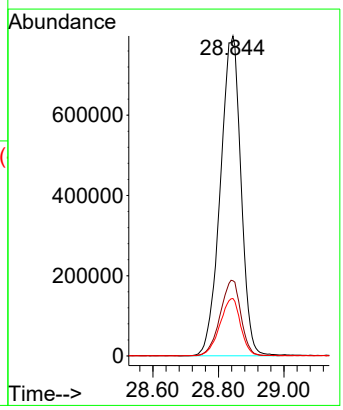




#92
Benzo(g,h,i)perylene
Concen: 40.455 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049876.D
Acq: 10 Apr 2025 09:32

Tgt Ion:276 Resp: 3473125

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	18.0	14.6	21.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	106	0.00
2		1,4-Dioxane	0.485	0.475	2.1	103	0.00
3		Pyridine	1.274	1.248	2.0	102	0.00
4		n-Nitrosodimethylamine	0.485	0.482	0.6	104	0.00
5	S	2-Fluorophenol	1.178	1.166	1.0	103	0.00
6		Aniline	1.256	1.263	-0.6	101	0.00
7	S	Phenol-d6	1.465	1.437	1.9	102	0.00
8		2-Chlorophenol	1.207	1.188	1.6	103	0.00
9		Benzaldehyde	0.752	0.687	8.6	97	0.00
10	C	Phenol	1.430	1.404	1.8	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.103	1.6	103	0.00
12		1,3-Dichlorobenzene	1.427	1.429	-0.1	105	0.00
13	C	1,4-Dichlorobenzene	1.436	1.427	0.6	104	0.00
14		1,2-Dichlorobenzene	1.352	1.342	0.7	103	0.00
15		Benzyl Alcohol	0.923	0.905	2.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.227	1.8	102	0.00
17		2-Methylphenol	0.881	0.857	2.7	102	0.00
18		Hexachloroethane	0.500	0.490	2.0	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.797	1.8	101	0.00
20		3+4-Methylphenols	1.201	1.171	2.5	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.486	0.492	-1.2	100	0.00
23	S	Nitrobenzene-d5	0.359	0.367	-2.2	101	0.00
24		Nitrobenzene	0.346	0.348	-0.6	99	0.00
25		Isophorone	0.602	0.607	-0.8	100	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	102	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	102	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.407	-1.0	101	0.00
29	C	2,4-Dichlorophenol	0.345	0.354	-2.6	102	0.00
30		1,2,4-Trichlorobenzene	0.399	0.409	-2.5	103	0.00
31		Naphthalene	1.028	1.040	-1.2	101	0.00
32		Benzoic acid	0.220	0.243	-10.5	108	0.01
33		4-Chloroaniline	0.363	0.372	-2.5	99	0.00
34	C	Hexachlorobutadiene	0.247	0.257	-4.0	105	0.00
35		Caprolactam	0.099	0.097	2.0	96	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.304	-0.7	100	0.00
37		2-Methylnaphthalene	0.724	0.739	-2.1	102	0.00
38		1-Methylnaphthalene	0.705	0.713	-1.1	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.726	-3.7	104	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.267	-9.0	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.295	-1.4	102	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.462	-3.8	102	0.00
44		2,4,5-Trichlorophenol	0.484	0.499	-3.1	101	0.00
45	S	2-Fluorobiphenyl	1.475	1.523	-3.3	102	0.00
46		1,1'-Biphenyl	1.487	1.523	-2.4	101	0.00
47		2-Chloronaphthalene	1.169	1.192	-2.0	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.275	-1.9	98	0.00
49		Acenaphthylene	1.702	1.738	-2.1	101	0.00
50		Dimethylphthalate	1.411	1.436	-1.8	101	0.00
51		2,6-Dinitrotoluene	0.296	0.308	-4.1	101	0.00
52	C	Acenaphthene	1.083	1.105	-2.0	101	0.00
53		3-Nitroaniline	0.286	0.303	-5.9	99	0.00
54	P	2,4-Dinitrophenol	0.175	0.186	-6.3	103	0.00
55		Dibenzofuran	1.810	1.845	-1.9	101	0.00
56	P	4-Nitrophenol	0.255	0.263	-3.1	99	0.00
57		2,4-Dinitrotoluene	0.394	0.418	-6.1	101	0.00
58		Fluorene	1.439	1.462	-1.6	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.428	-0.9	101	0.00
60		Diethylphthalate	1.353	1.368	-1.1	100	0.00
61		4-Chlorophenyl-phenylether	0.771	0.783	-1.6	101	0.00
62		4-Nitroaniline	0.295	0.311	-5.4	99	0.00
63		Azobenzene	1.158	1.175	-1.5	99	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.614	-2.5	101	0.00
67		4-Bromophenyl-phenylether	0.232	0.240	-3.4	102	0.00
68		Hexachlorobenzene	0.266	0.274	-3.0	102	0.00
69		Atrazine	0.155	0.167	-7.7	131	0.00
70	C	Pentachlorophenol	0.196	0.195	0.5	97	0.00
71		Phenanthrene	1.096	1.123	-2.5	101	0.00
72		Anthracene	1.081	1.111	-2.8	100	0.00
73		Carbazole	1.018	1.043	-2.5	100	0.00
74		Di-n-butylphthalate	1.172	1.210	-3.2	101	0.00
75	C	Fluoranthene	1.348	1.368	-1.5	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.265	0.458	-72.8#	110	0.00
78		Pyrene	1.378	1.448	-5.1	100	0.00
79	S	Terphenyl-d14	1.067	1.192	-11.7	98	0.00
80		Butylbenzylphthalate	0.518	0.545	-5.2	99	0.00
81		Benzo(a)anthracene	1.329	1.351	-1.7	96	0.00
82		3,3'-Dichlorobenzidine	0.502	0.524	-4.4	97	0.00
83		Chrysene	1.264	1.292	-2.2	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.777	-2.9	96	0.00
85	c	Di-n-octyl phthalate	1.320	1.367	-3.6	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.512	-1.4	99	-0.01
88		Benzo(b)fluoranthene	1.277	1.267	0.8	96	0.00
89		Benzo(k)fluoranthene	1.238	1.241	-0.2	99	0.00
90	C	Benzo(a)pyrene	1.122	1.131	-0.8	99	-0.01
91		Dibenzo(a,h)anthracene	1.228	1.240	-1.0	99	-0.01
92		Benzo(g,h,i)perylene	1.255	1.269	-1.1	99	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	106	0.00
2		1,4-Dioxane	40.000	39.152	2.1	103	0.00
3		Pyridine	40.000	39.173	2.1	102	0.00
4		n-Nitrosodimethylamine	40.000	39.718	0.7	104	0.00
5	S	2-Fluorophenol	80.000	79.230	1.0	103	0.00
6		Aniline	40.000	40.224	-0.6	101	0.00
7	S	Phenol-d6	80.000	78.466	1.9	102	0.00
8		2-Chlorophenol	40.000	39.377	1.6	103	0.00
9		Benzaldehyde	40.000	36.564	8.6	97	0.00
10	C	Phenol	40.000	39.271	1.8	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.346	1.6	103	0.00
12		1,3-Dichlorobenzene	40.000	40.069	-0.2	105	0.00
13	C	1,4-Dichlorobenzene	40.000	39.763	0.6	104	0.00
14		1,2-Dichlorobenzene	40.000	39.705	0.7	103	0.00
15		Benzyl Alcohol	40.000	39.248	1.9	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.254	1.9	102	0.00
17		2-Methylphenol	40.000	38.907	2.7	102	0.00
18		Hexachloroethane	40.000	39.202	2.0	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.274	1.8	101	0.00
20		3+4-Methylphenols	40.000	38.998	2.5	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	40.480	-1.2	100	0.00
23	S	Nitrobenzene-d5	80.000	81.639	-2.0	101	0.00
24		Nitrobenzene	40.000	40.214	-0.5	99	0.00
25		Isophorone	40.000	40.369	-0.9	100	0.00
26	C	2-Nitrophenol	40.000	41.513	-3.8	102	0.00
27		2,4-Dimethylphenol	40.000	41.095	-2.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.430	-1.1	101	0.00
29	C	2,4-Dichlorophenol	40.000	40.995	-2.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	40.999	-2.5	103	0.00
31		Naphthalene	40.000	40.483	-1.2	101	0.00
32		Benzoic acid	40.000	39.630	0.9	108	0.01
33		4-Chloroaniline	40.000	41.035	-2.6	99	0.00
34	C	Hexachlorobutadiene	40.000	41.626	-4.1	105	0.00
35		Caprolactam	40.000	39.026	2.4	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.143	-0.4	100	0.00
37		2-Methylnaphthalene	40.000	40.827	-2.1	102	0.00
38		1-Methylnaphthalene	40.000	40.439	-1.1	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.521	-3.8	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.503	-8.8	102	0.00
42	S	2,4,6-Tribromophenol	80.000	81.226	-1.5	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.497	-3.7	102	0.00
44		2,4,5-Trichlorophenol	40.000	41.224	-3.1	101	0.00
45	S	2-Fluorobiphenyl	80.000	82.628	-3.3	102	0.00
46		1,1'-Biphenyl	40.000	40.976	-2.4	101	0.00
47		2-Chloronaphthalene	40.000	40.790	-2.0	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.758	-1.9	98	0.00
49		Acenaphthylene	40.000	40.832	-2.1	101	0.00
50		Dimethylphthalate	40.000	40.701	-1.8	101	0.00
51		2,6-Dinitrotoluene	40.000	41.722	-4.3	101	0.00
52	C	Acenaphthene	40.000	40.841	-2.1	101	0.00
53		3-Nitroaniline	40.000	42.476	-6.2	99	0.00
54	P	2,4-Dinitrophenol	40.000	38.865	2.8	103	0.00
55		Dibenzofuran	40.000	40.776	-1.9	101	0.00
56	P	4-Nitrophenol	40.000	41.354	-3.4	99	0.00
57		2,4-Dinitrotoluene	40.000	42.400	-6.0	101	0.00
58		Fluorene	40.000	40.657	-1.6	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.341	-0.9	101	0.00
60		Diethylphthalate	40.000	40.430	-1.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	40.582	-1.5	101	0.00
62		4-Nitroaniline	40.000	42.047	-5.1	99	0.00
63		Azobenzene	40.000	40.588	-1.5	99	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.870	-2.2	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.061	-2.7	101	0.00
67		4-Bromophenyl-phenylether	40.000	41.305	-3.3	102	0.00
68		Hexachlorobenzene	40.000	41.127	-2.8	102	0.00
69		Atrazine	40.000	43.022	-7.6	131	0.00
70	C	Pentachlorophenol	40.000	39.707	0.7	97	0.00
71		Phenanthrene	40.000	40.981	-2.5	101	0.00
72		Anthracene	40.000	41.121	-2.8	100	0.00
73		Carbazole	40.000	41.001	-2.5	100	0.00
74		Di-n-butylphthalate	40.000	41.281	-3.2	101	0.00
75	C	Fluoranthene	40.000	40.587	-1.5	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	68.977	-72.4#	110	0.00
78		Pyrene	40.000	42.024	-5.1	100	0.00
79	S	Terphenyl-d14	80.000	89.384	-11.7	98	0.00
80		Butylbenzylphthalate	40.000	42.088	-5.2	99	0.00
81		Benzo(a)anthracene	40.000	40.656	-1.6	96	0.00
82		3,3'-Dichlorobenzidine	40.000	41.777	-4.4	97	0.00
83		Chrysene	40.000	40.889	-2.2	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.206	-3.0	96	0.00
85	c	Di-n-octyl phthalate	40.000	41.414	-3.5	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.573	-1.4	99	-0.01
88		Benzo(b)fluoranthene	40.000	39.676	0.8	96	0.00
89		Benzo(k)fluoranthene	40.000	40.108	-0.3	99	0.00
90	C	Benzo(a)pyrene	40.000	40.305	-0.8	99	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.376	-0.9	99	-0.01
92		Benzo(g,h,i)perylene	40.000	40.455	-1.1	99	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049876.D
Acq On : 10 Apr 2025 09:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:29:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_P Calibration Date/Time: 04/09/2025 10:08

Lab File ID: BP024228.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	1.429		5.2	
2-Fluorophenol	1.253	1.307		4.3	
Phenol-d6	1.675	1.739		3.8	
1,4-Dichlorobenzene	1.490	1.504		0.9	20.0
2-Methylphenol	1.061	1.121		5.7	
3+4-Methylphenols	1.457	1.527		4.8	
Nitrobenzene-d5	0.354	0.378		6.8	
Hexachloroethane	0.529	0.541		2.3	
Nitrobenzene	0.350	0.372		6.3	
Hexachlorobutadiene	0.185	0.185		0.0	20.0
2,4,6-Trichlorophenol	0.367	0.387		5.4	20.0
2-Fluorobiphenyl	1.356	1.365		0.7	
2,4,5-Trichlorophenol	0.403	0.426		5.7	
2,4-Dinitrotoluene	0.389	0.439		12.9	
2,4,6-Tribromophenol	0.252	0.271		7.5	
Hexachlorobenzene	0.260	0.261		0.4	
Pentachlorophenol	0.168	0.183		8.9	20.0
Terphenyl-d14	0.969	1.019		5.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	293576	20.000	ng		0.00
21) Naphthalene-d8	10.552	136	1173450	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	712048	20.000	ng		0.00
64) Phenanthrene-d10	17.222	188	1380061	20.000	ng		0.02
76) Chrysene-d12	21.651	240	1470276	20.000	ng		0.00
86) Perylene-d12	25.033	264	1654294	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	1534523	83.438	ng		0.00
7) Phenol-d6	6.952	99	2042327	83.042	ng		0.00
23) Nitrobenzene-d5	8.916	82	1775974	85.391	ng		0.00
42) 2,4,6-Tribromophenol	15.928	330	772690	86.150	ng		0.01
45) 2-Fluorobiphenyl	13.016	172	3887020	80.493	ng		0.00
79) Terphenyl-d14	19.933	244	5993823	84.151	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	302738	41.527	ng		97
3) Pyridine	3.717	79	838808	42.089	ng		98
4) n-Nitrosodimethylamine	3.628	42	271310	40.754	ng	#	95
6) Aniline	7.105	93	937414	41.835	ng		98
8) 2-Chlorophenol	7.346	128	814334	40.993	ng		100
9) Benzaldehyde	6.922	77	451640	38.053	ng		97
10) Phenol	6.975	94	1027320	41.378	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	803492	41.038	ng		98
12) 1,3-Dichlorobenzene	7.658	146	870803	40.649	ng		100
13) 1,4-Dichlorobenzene	7.805	146	882974	40.368	ng		99
14) 1,2-Dichlorobenzene	8.122	146	839545	39.998	ng		100
15) Benzyl Alcohol	8.011	79	654557	42.039	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.293	45	843711	42.222	ng		98
17) 2-Methylphenol	8.211	107	658169	42.275	ng		98
18) Hexachloroethane	8.840	117	317863	40.961	ng		99
19) n-Nitroso-di-n-propyla...	8.569	70	606716	42.523	ng		100
20) 3+4-Methylphenols	8.534	107	896490	41.913	ng		100
22) Acetophenone	8.581	105	1232083	41.530	ng		100
24) Nitrobenzene	8.958	77	873464	42.572	ng		98
25) Isophorone	9.481	82	1541684	43.243	ng		100
26) 2-Nitrophenol	9.669	139	433004	44.182	ng		98
27) 2,4-Dimethylphenol	9.728	122	528942	41.973	ng		98
28) bis(2-Chloroethoxy)met...	9.963	93	1054466	42.043	ng		99
29) 2,4-Dichlorophenol	10.199	162	729792	42.809	ng		98
30) 1,2,4-Trichlorobenzene	10.410	180	763746	40.549	ng		99
31) Naphthalene	10.605	128	2580706	41.488	ng		100
32) Benzoic acid	9.863	122	597743m	48.635	ng		
33) 4-Chloroaniline	10.705	127	940754	42.261	ng		99
34) Hexachlorobutadiene	10.887	225	434685	40.101	ng		98
35) Caprolactam	11.493	113	257074	46.011	ng		97
36) 4-Chloro-3-methylphenol	11.840	107	799711	43.485	ng		99
37) 2-Methylnaphthalene	12.210	142	1749345	41.629	ng		100
38) 1-Methylnaphthalene	12.428	142	1688556	41.312	ng		99
40) 1,2,4,5-Tetrachloroben...	12.587	216	830463	40.347	ng		100
41) Hexachlorocyclopentadiene	12.563	237	306506	41.311	ng		98
43) 2,4,6-Trichlorophenol	12.828	196	551712	42.177	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

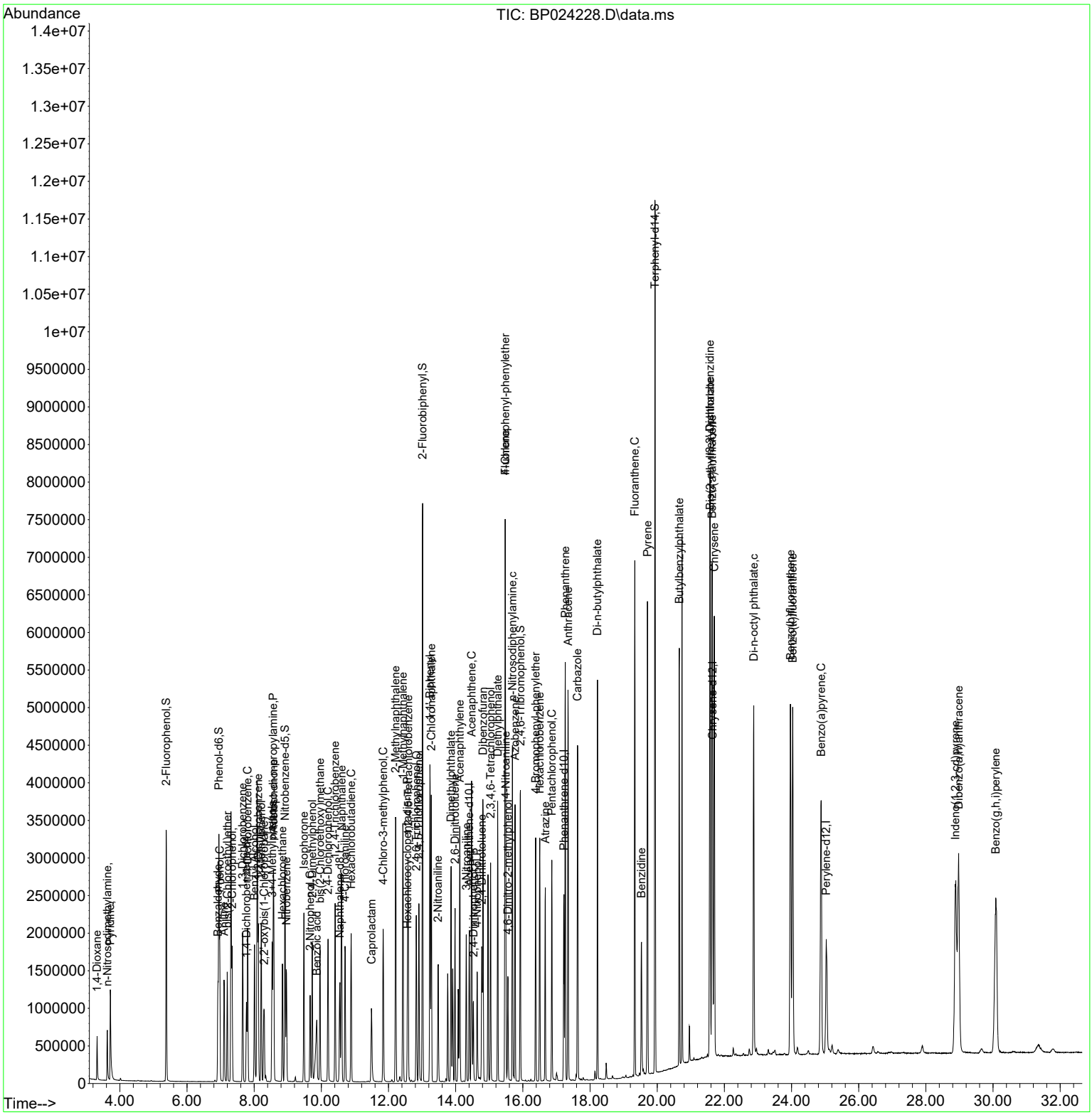
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	606798	42.299	ng	99
46) 1,1'-Biphenyl	13.234	154	2190701	40.942	ng	99
47) 2-Chloronaphthalene	13.275	162	1624413	40.362	ng	99
48) 2-Nitroaniline	13.475	65	468062	45.470	ng	95
49) Acenaphthylene	14.122	152	2545636	41.802	ng	100
50) Dimethylphthalate	13.863	163	2087636	41.901	ng	100
51) 2,6-Dinitrotoluene	13.981	165	453615	43.271	ng	100
52) Acenaphthene	14.475	154	1611256	41.411	ng	99
53) 3-Nitroaniline	14.316	138	504903	44.593	ng	97
54) 2,4-Dinitrophenol	14.528	184	254373	45.859	ng	97
55) Dibenzofuran	14.810	168	2590493	41.102	ng	98
56) 4-Nitrophenol	14.640	139	438706	46.371	ng	97
57) 2,4-Dinitrotoluene	14.781	165	625765	45.191	ng	98
58) Fluorene	15.475	166	2022327	41.183	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.040	232	536689	42.344	ng	99
60) Diethylphthalate	15.251	149	2130607	42.942	ng	100
61) 4-Chlorophenyl-phenyle...	15.475	204	970246	40.284	ng	98
62) 4-Nitroaniline	15.493	138	532563	44.847	ng	98
63) Azobenzene	15.769	77	2027384	43.353	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	347340	42.395	ng	100
66) n-Nitrosodiphenylamine	15.693	169	1728077	41.235	ng	99
67) 4-Bromophenyl-phenylether	16.381	248	606490	40.028	ng	99
68) Hexachlorobenzene	16.504	284	719481	40.119	ng	99
69) Atrazine	16.669	200	433531	42.859	ng	99
70) Pentachlorophenol	16.863	266	503982	43.456	ng	100
71) Phenanthrene	17.263	178	3083668	40.902	ng	100
72) Anthracene	17.345	178	3039833	41.398	ng	100
73) Carbazole	17.628	167	3013012	42.549	ng	99
74) Di-n-butylphthalate	18.222	149	3711096	44.147	ng	100
75) Fluoranthene	19.333	202	3697085	42.341	ng	99
77) Benzidine	19.533	184	1222191	76.030	ng	99
78) Pyrene	19.710	202	3866558	42.301	ng	99
80) Butylbenzylphthalate	20.657	149	1702434	45.164	ng	97
81) Benzo(a)anthracene	21.633	228	3832104	41.922	ng	100
82) 3,3'-Dichlorobenzidine	21.569	252	1401662	45.751	ng	100
83) Chrysene	21.698	228	3634359	41.358	ng	99
84) Bis(2-ethylhexyl)phtha...	21.580	149	2547023	44.781	ng	99
85) Di-n-octyl phthalate	22.874	149	4236142	46.485	ng	99
87) Indeno(1,2,3-cd)pyrene	28.880	276	4733755m	41.000	ng	
88) Benzo(b)fluoranthene	23.969	252	4176870	41.876	ng	99
89) Benzo(k)fluoranthene	24.033	252	3945832	40.442	ng	99
90) Benzo(a)pyrene	24.880	252	3577625	41.248	ng	99
91) Dibenzo(a,h)anthracene	28.974	278	3938270	41.000	ng	98
92) Benzo(g,h,i)perylene	30.080	276	4004395	41.010	ng	97

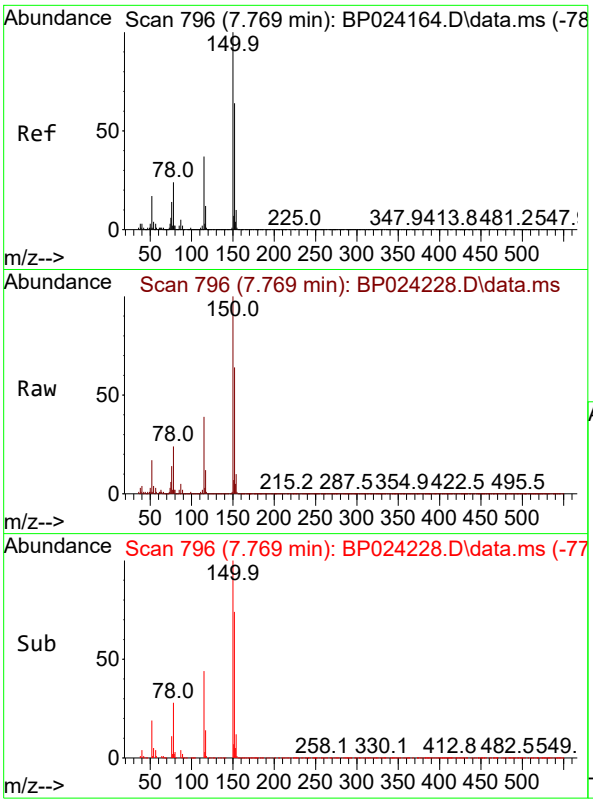
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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



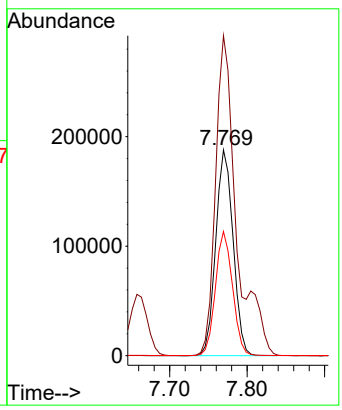


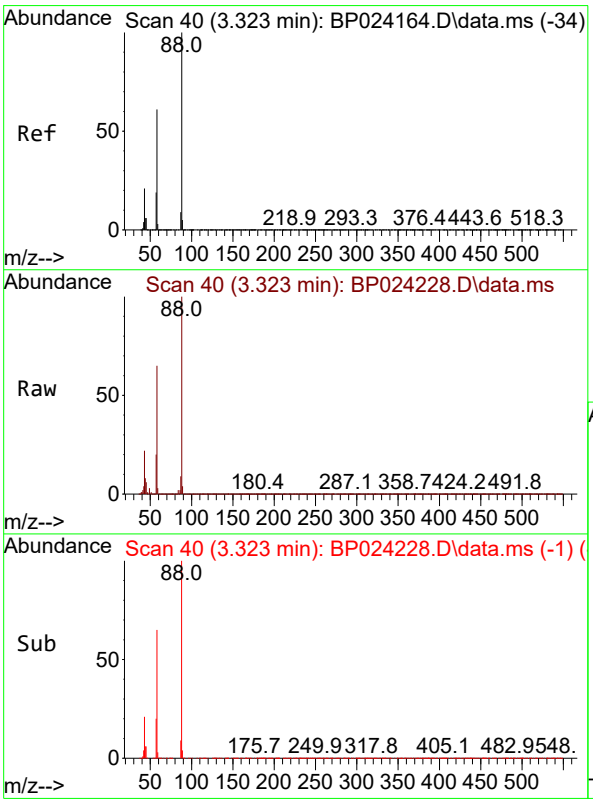
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 293576

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.5	188.3
115	60.3	46.3	69.5

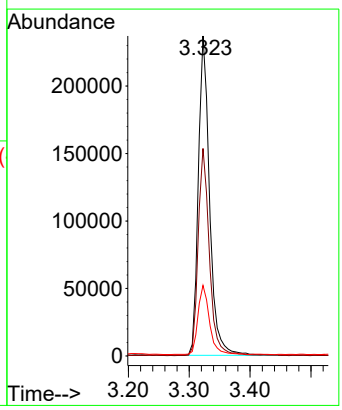


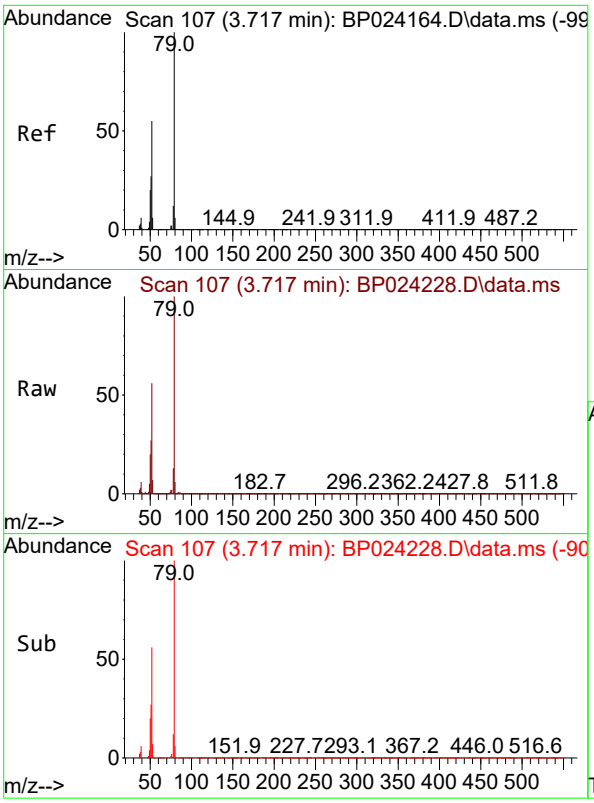


#2
1,4-Dioxane
Concen: 41.527 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 88 Resp: 302738

Ion	Ratio	Lower	Upper
88	100		
58	64.9	49.8	74.6
43	22.2	17.3	25.9



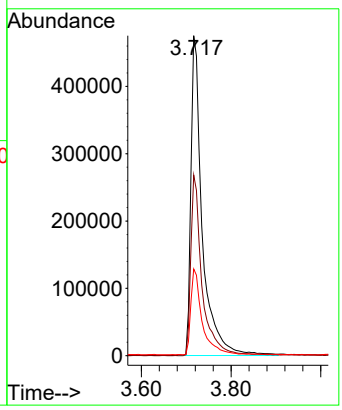


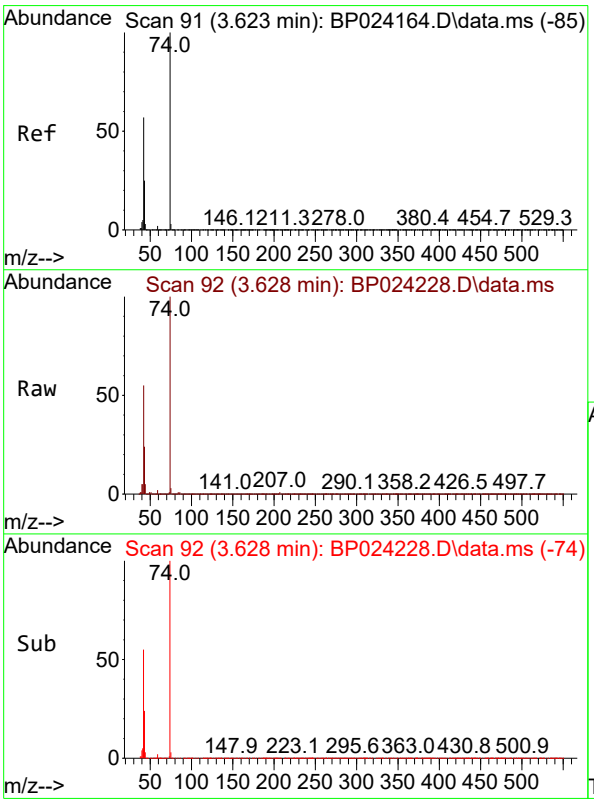
#3
Pyridine
Concen: 42.089 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 838808

Ion	Ratio	Lower	Upper
79	100		
52	56.5	43.8	65.8
51	27.1	21.6	32.4

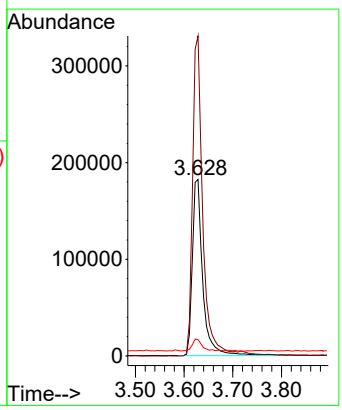


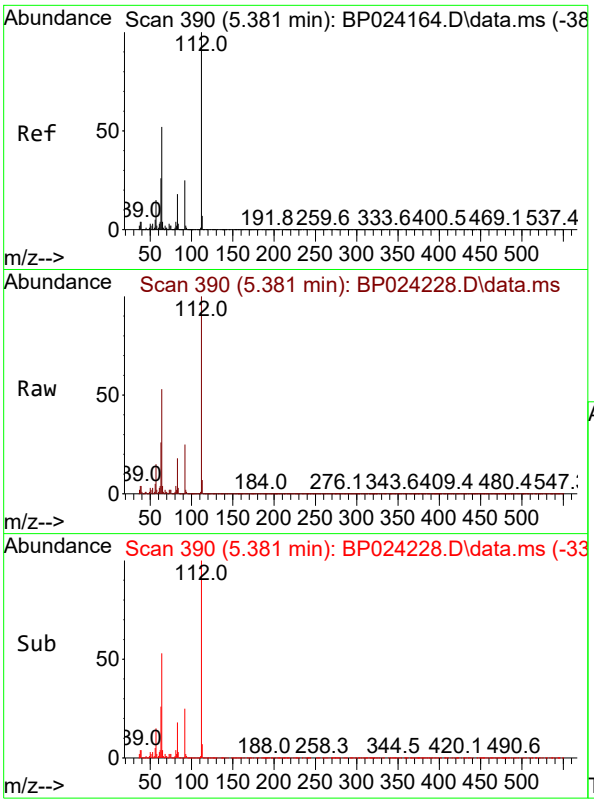


#4
n-Nitrosodimethylamine
Concen: 40.754 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 42 Resp: 271310

Ion	Ratio	Lower	Upper
42	100		
74	181.3	139.8	209.6
44	9.2	5.3	7.9#



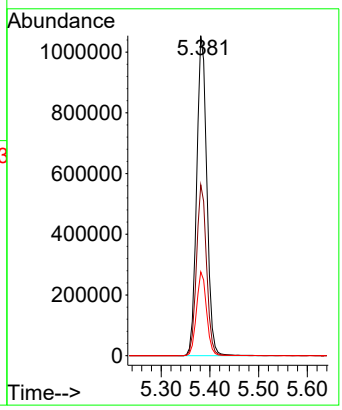


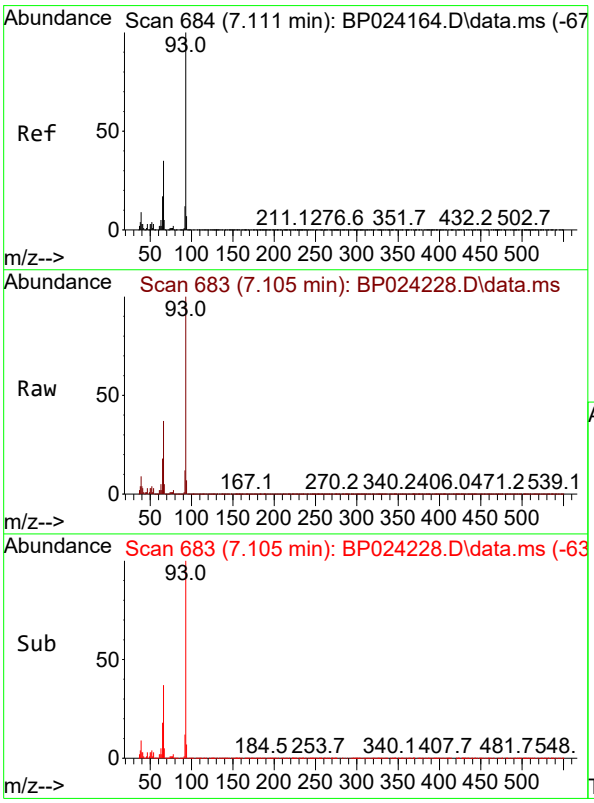
#5
2-Fluorophenol
Concen: 83.438 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1534523

Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.3	61.9
63	26.2	20.6	31.0

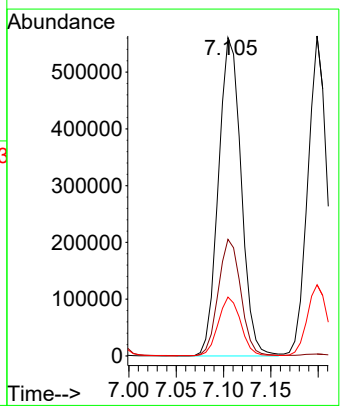


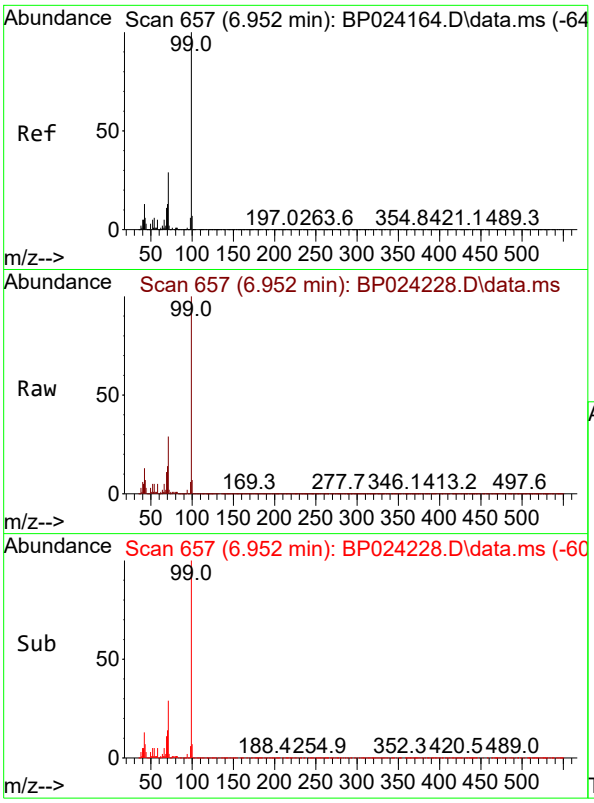


#6
Aniline
Concen: 41.835 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 937414

Ion	Ratio	Lower	Upper
93	100		
66	36.6	28.2	42.2
65	18.5	14.0	21.0



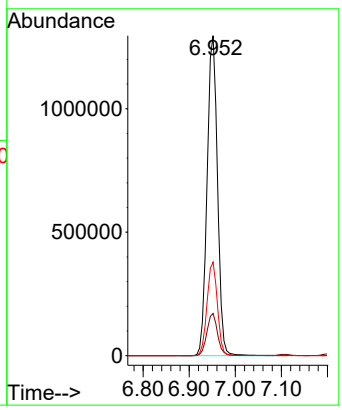


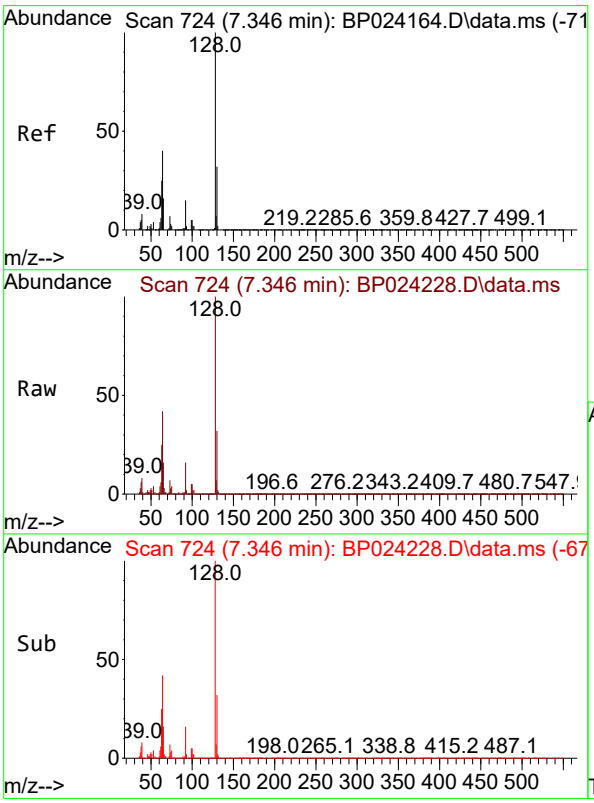
#7
Phenol-d6
Concen: 83.042 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 2042327

Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.6	16.0
71	29.3	23.3	34.9

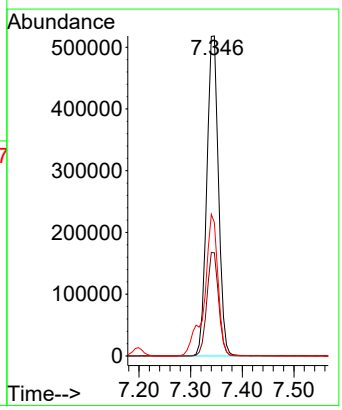


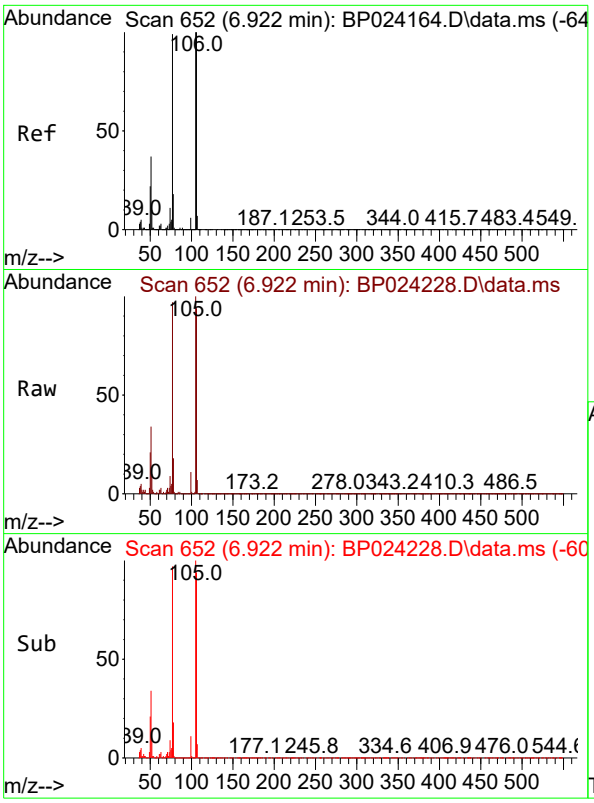


#8
2-Chlorophenol
Concen: 40.993 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:128 Resp: 814334

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.0	52.0
64	41.7	21.6	61.6



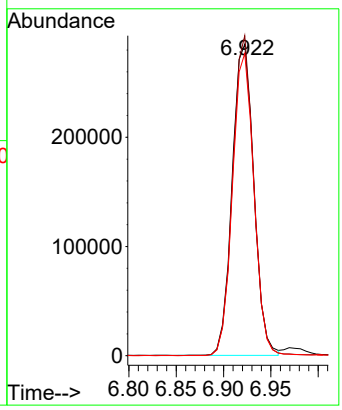


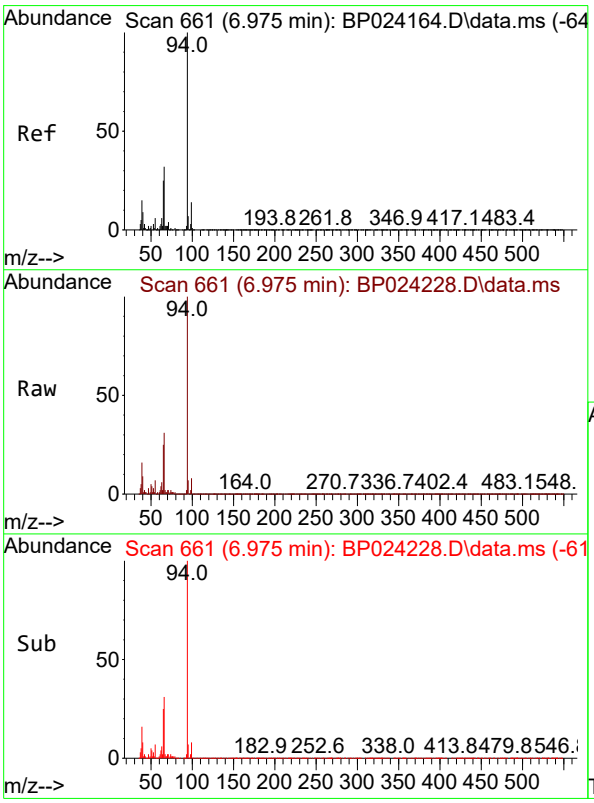
#9
Benzaldehyde
Concen: 38.053 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 451640

Ion	Ratio	Lower	Upper
77	100		
105	102.7	81.4	121.4
106	97.0	81.1	121.1

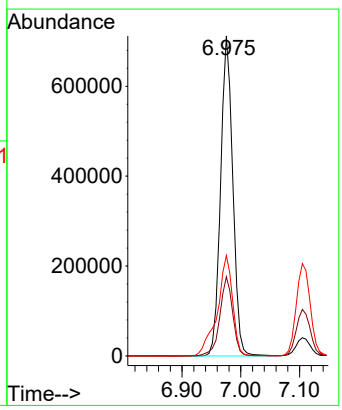


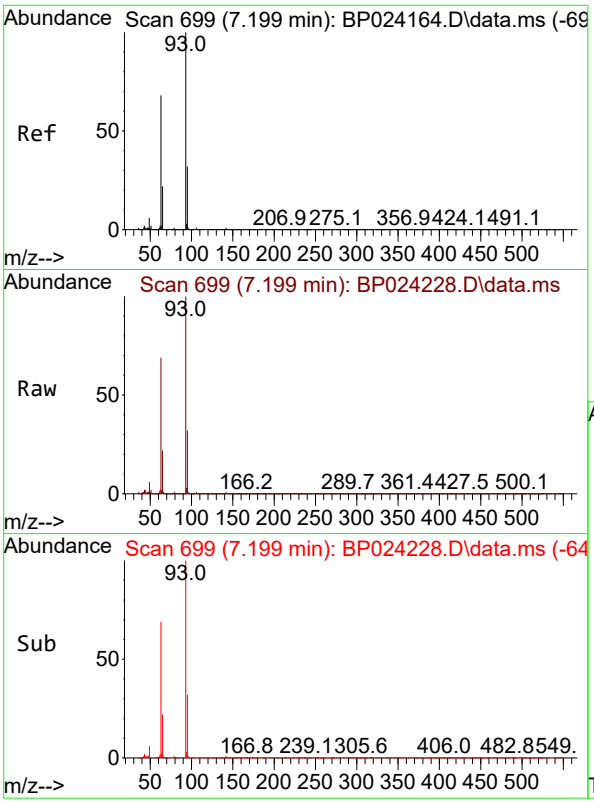


#10
Phenol
Concen: 41.378 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 94 Resp: 1027320

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.9	44.9
66	31.3	11.9	51.9



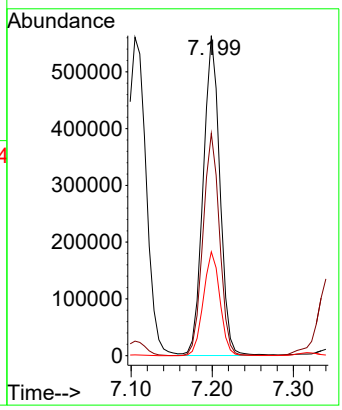


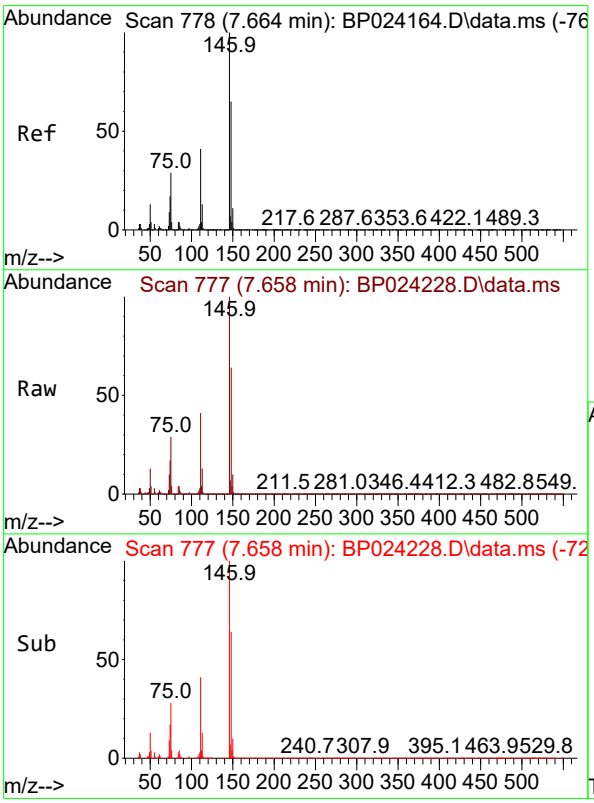
#11
bis(2-Chloroethyl)ether
Concen: 41.038 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 803492

Ion	Ratio	Lower	Upper
93	100		
63	69.5	47.4	87.4
95	32.5	12.1	52.1

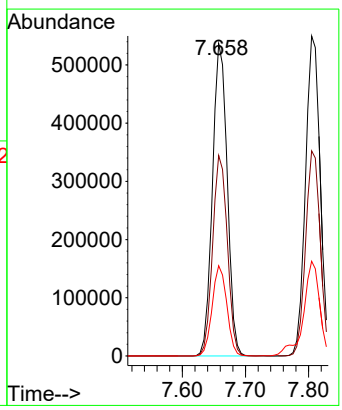


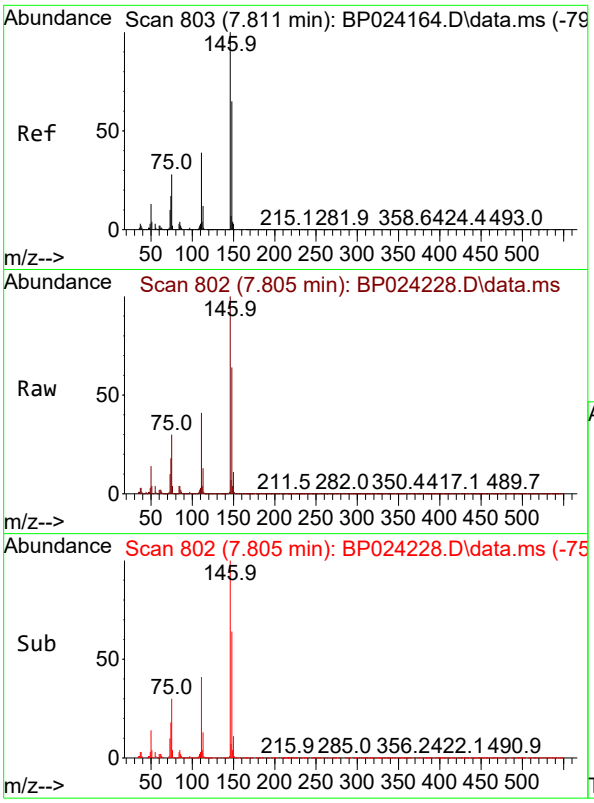


#12
1,3-Dichlorobenzene
Concen: 40.649 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 870803

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
75	28.9	22.8	34.2



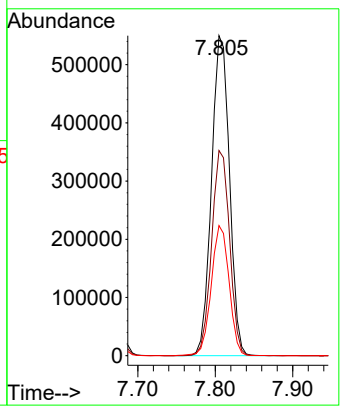


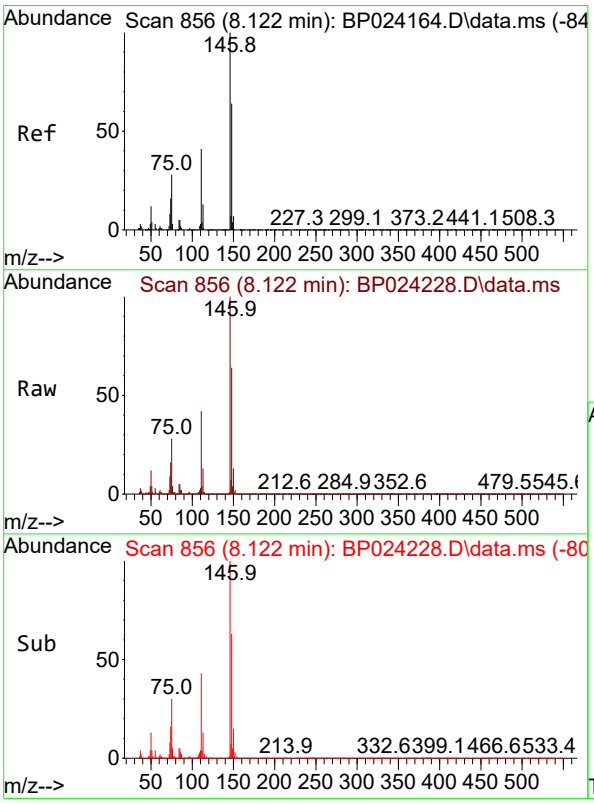
#13
1,4-Dichlorobenzene
Concen: 40.368 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 882974

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	40.7	31.4	47.2

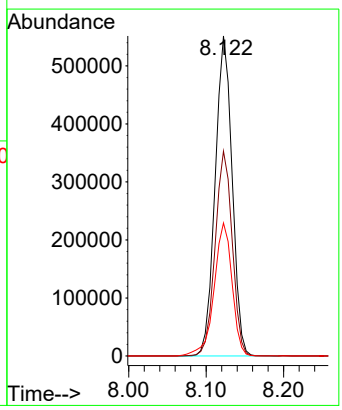


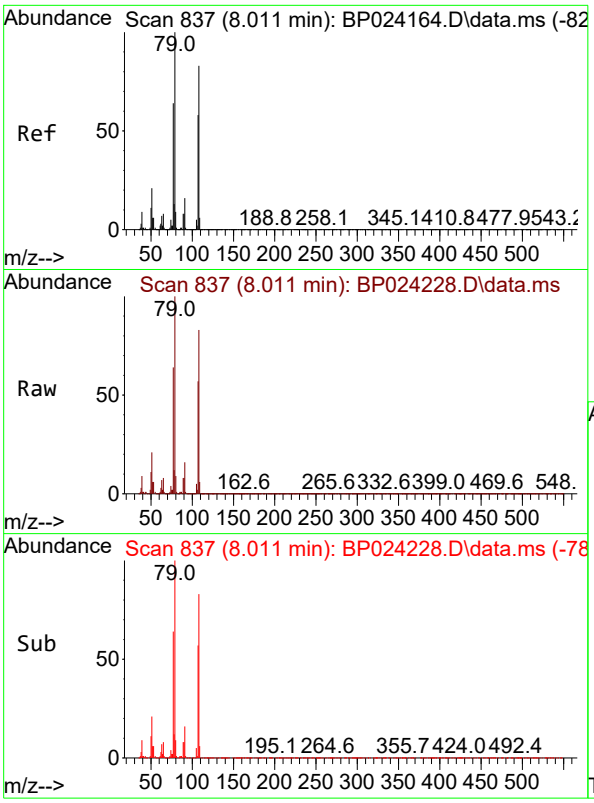


#14
1,2-Dichlorobenzene
Concen: 39.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 839545

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	41.6	33.2	49.8



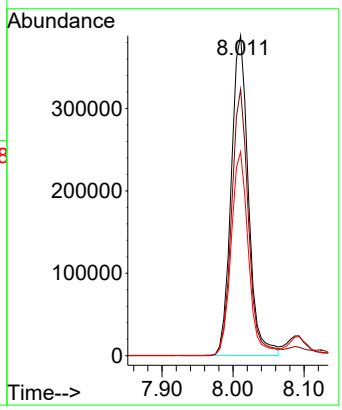


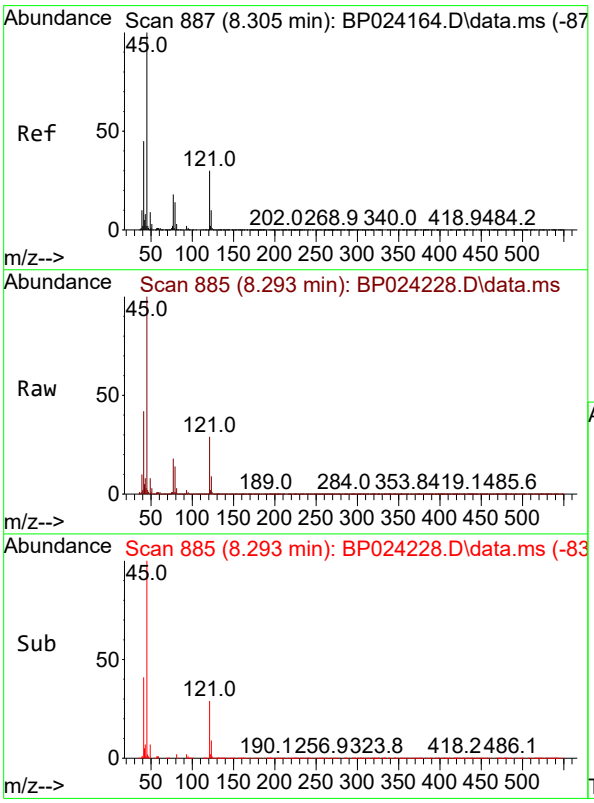
#15
Benzyl Alcohol
Concen: 42.039 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 654557

Ion	Ratio	Lower	Upper
79	100		
108	83.3	66.5	99.7
77	63.7	50.9	76.3

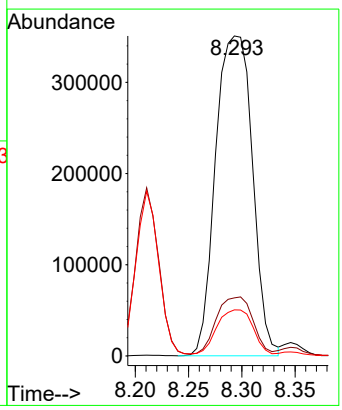


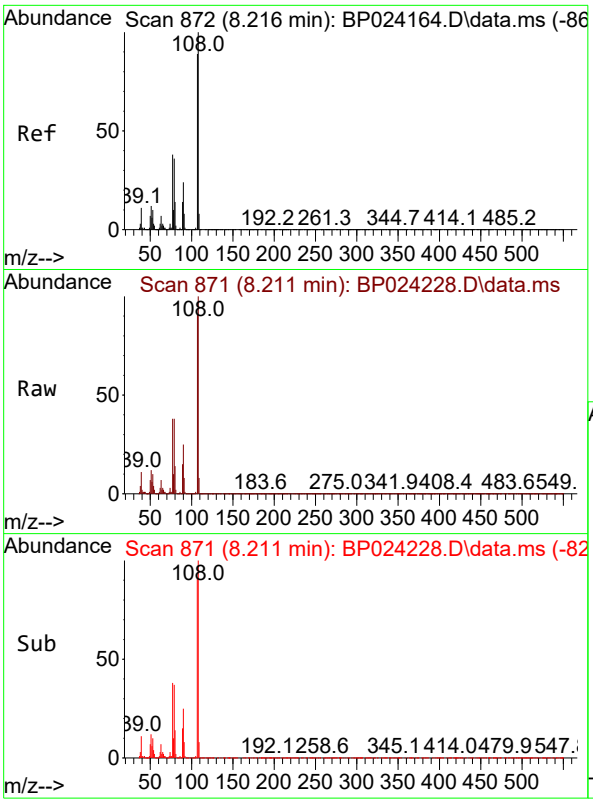


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.222 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 45 Resp: 843711

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	39.0
79	14.4	0.0	35.6



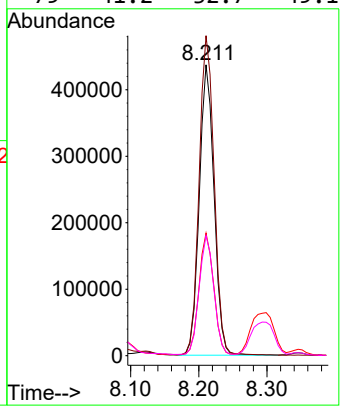


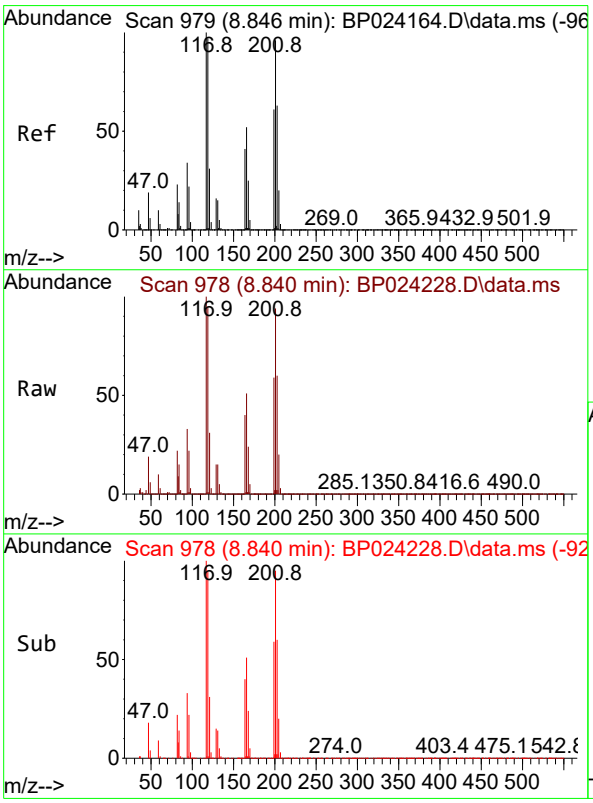
#17
2-Methylphenol
Concen: 42.275 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 658169

Ion	Ratio	Lower	Upper
107	100		
108	110.0	90.0	135.0
77	42.1	34.0	51.0
79	41.2	32.7	49.1

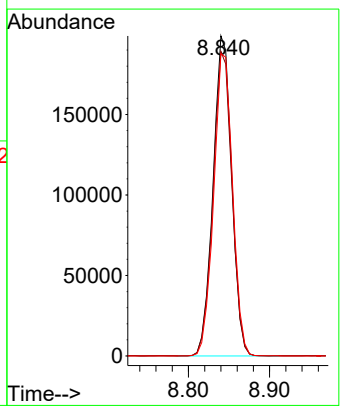


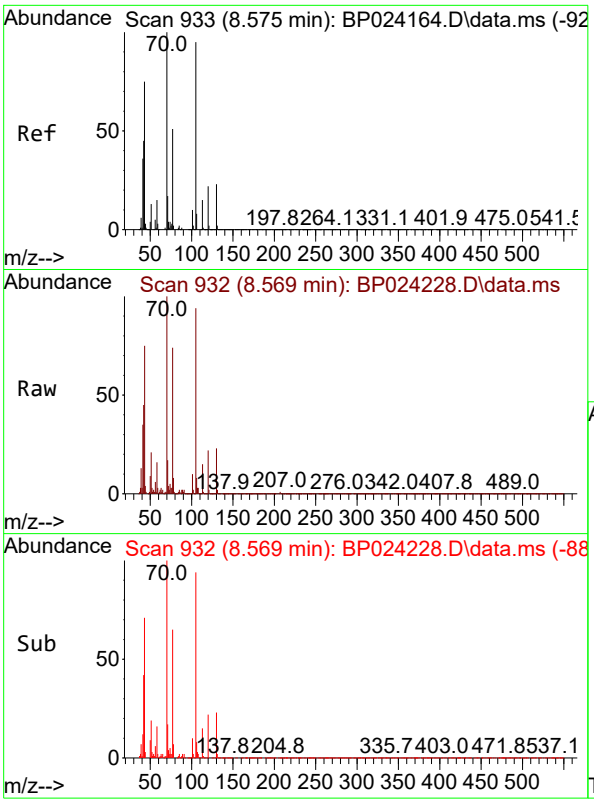


#18
Hexachloroethane
Concen: 40.961 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:117 Resp: 317863

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.0
201	94.5	76.6	114.8



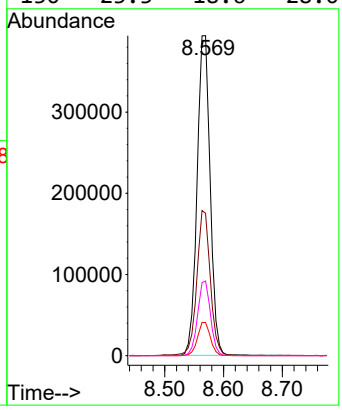


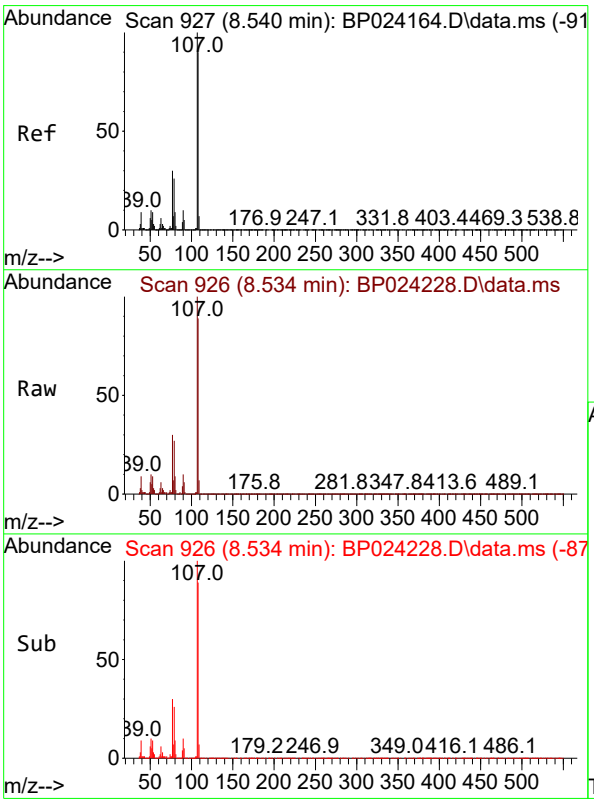
#19
n-Nitroso-di-n-propylamine
Concen: 42.523 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 606716

Ion	Ratio	Lower	Upper
70	100		
42	44.5	36.0	54.0
101	10.3	8.3	12.5
130	23.3	18.6	28.0

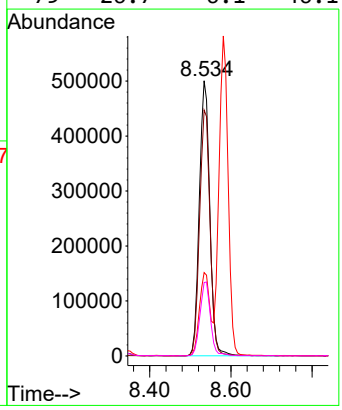


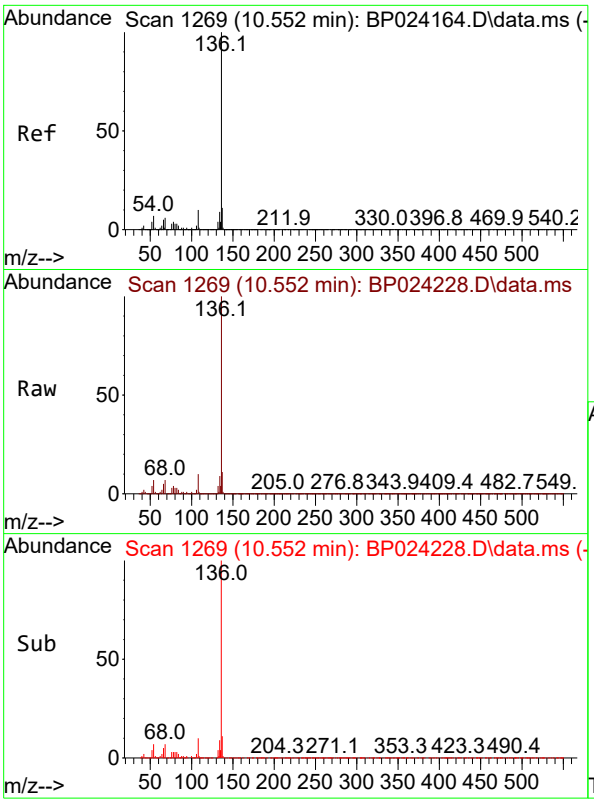


#20
3+4-Methylphenols
Concen: 41.913 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 896490

Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.7	109.7
77	30.3	10.3	50.3
79	26.7	6.1	46.1



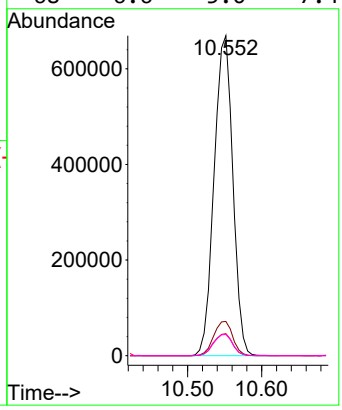


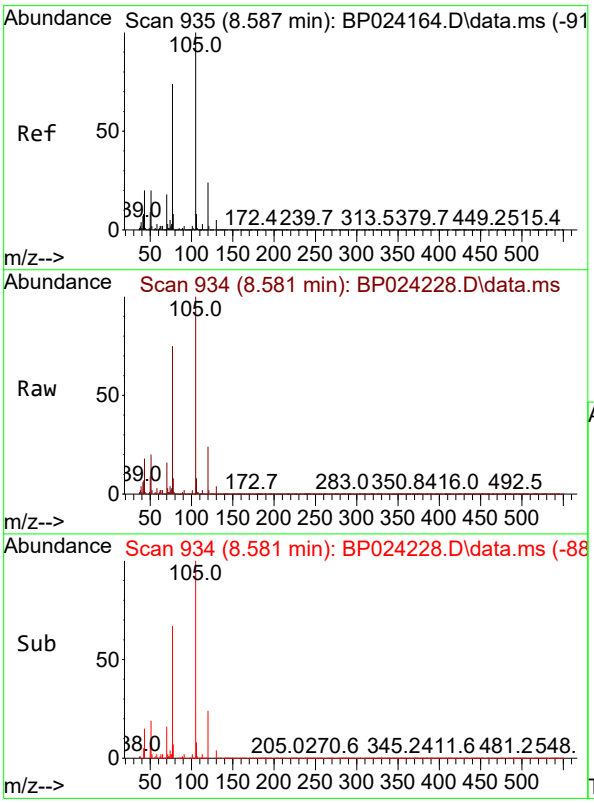
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1173450

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.9	5.3	7.9
68	6.6	5.0	7.4

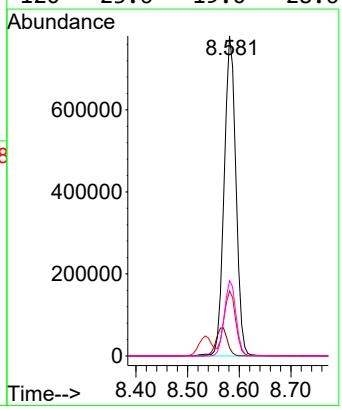


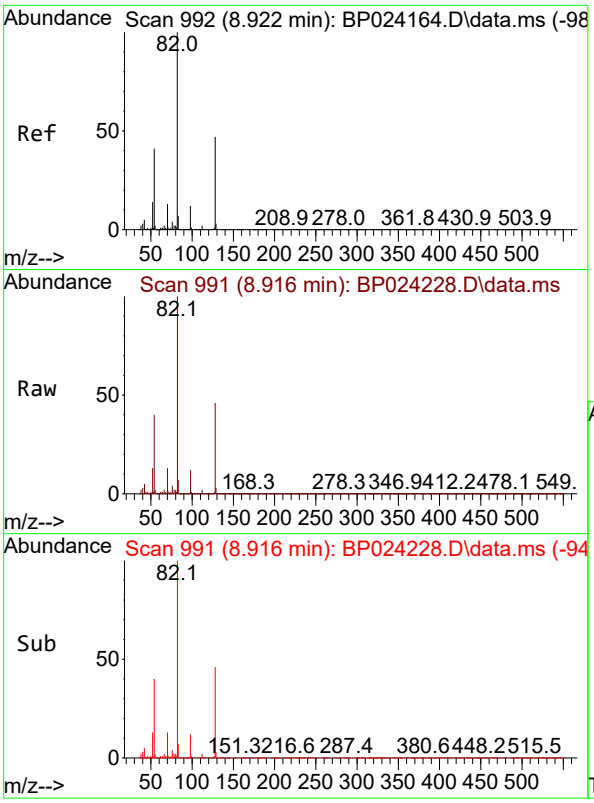


#22
Acetophenone
Concen: 41.530 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:105 Resp: 1232083

Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.4	3.6
51	20.3	16.2	24.2
120	23.6	19.0	28.6



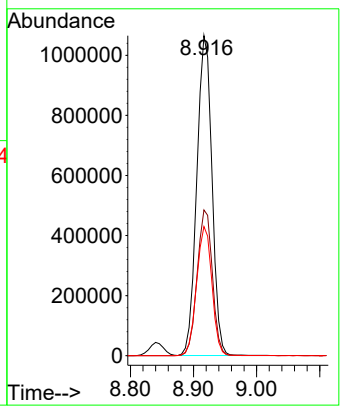


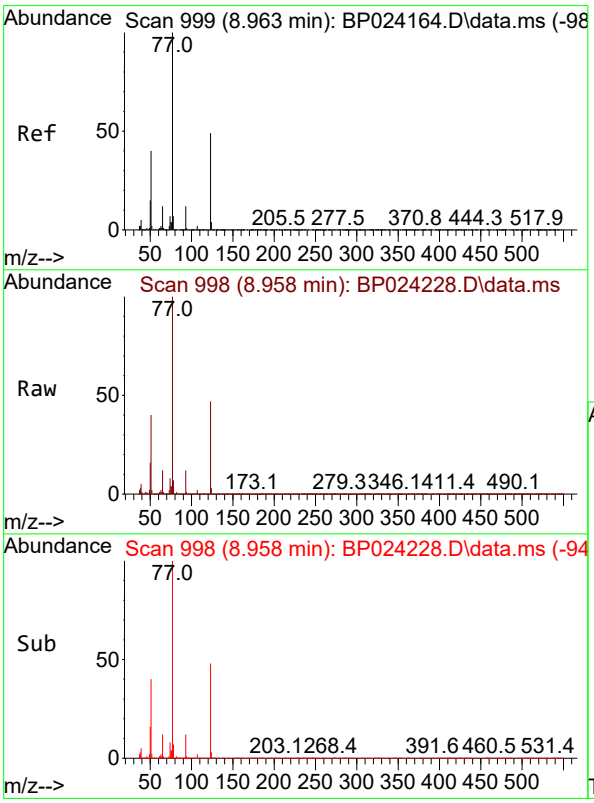
#23
Nitrobenzene-d5
Concen: 85.391 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1775974

Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.4	56.0
54	40.3	32.5	48.7

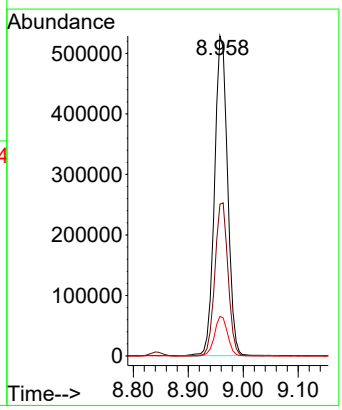


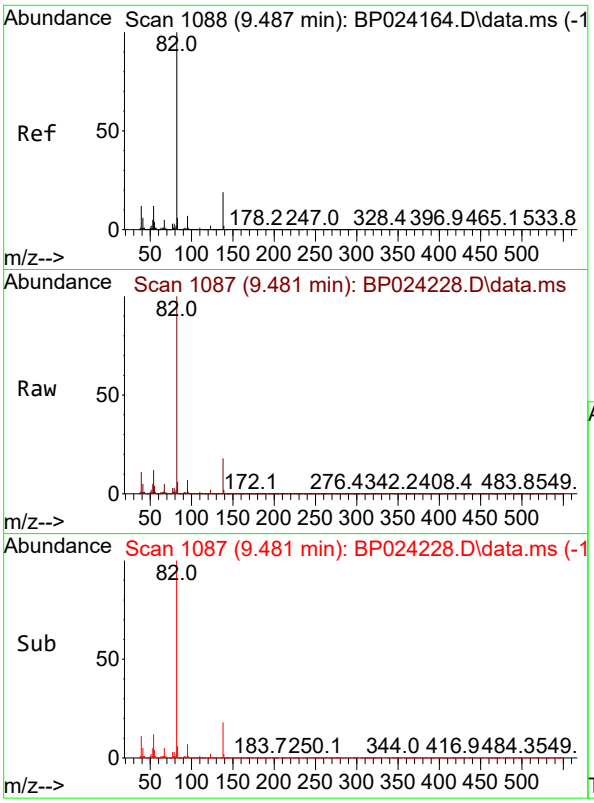


#24
Nitrobenzene
Concen: 42.572 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 77 Resp: 873464

Ion	Ratio	Lower	Upper
77	100		
123	47.5	39.4	59.2
65	12.4	9.9	14.9



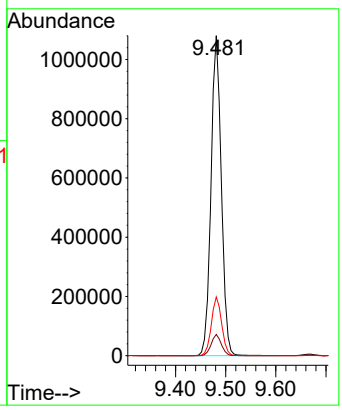


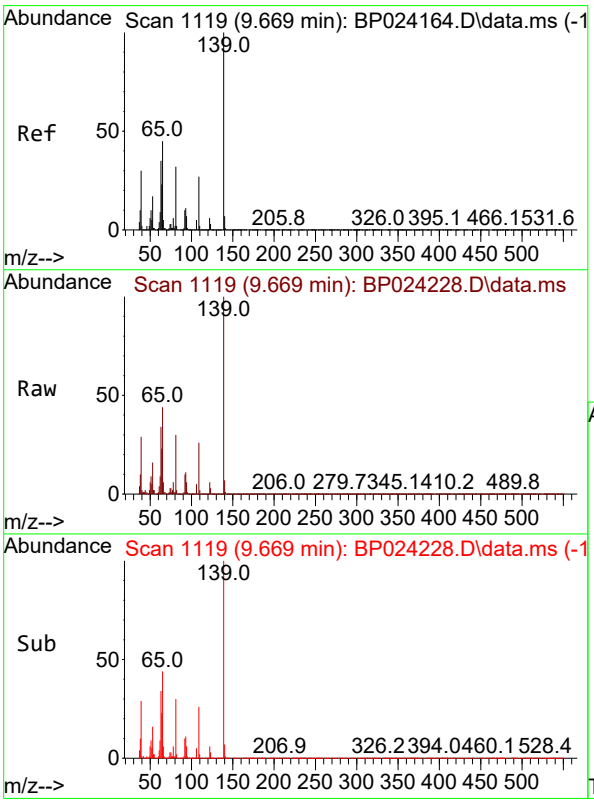
#25
Isophorone
Concen: 43.243 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1541684

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.3	14.8	22.2

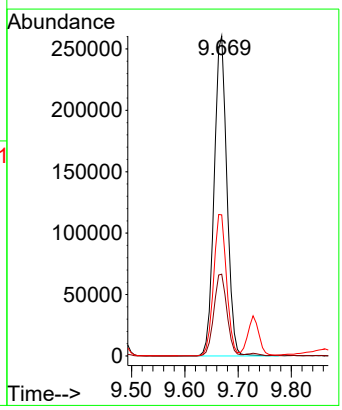


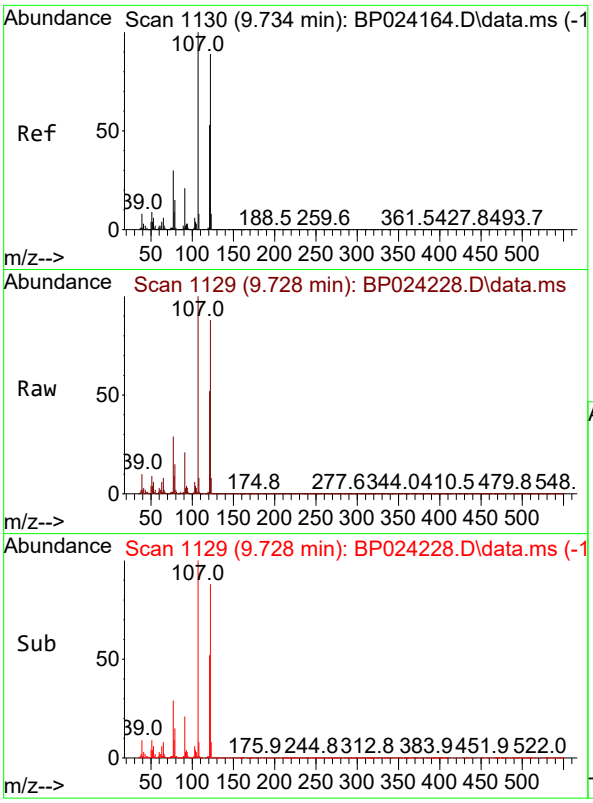


#26
2-Nitrophenol
Concen: 44.182 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 433004

Ion	Ratio	Lower	Upper
139	100		
109	25.6	21.7	32.5
65	44.1	35.8	53.8



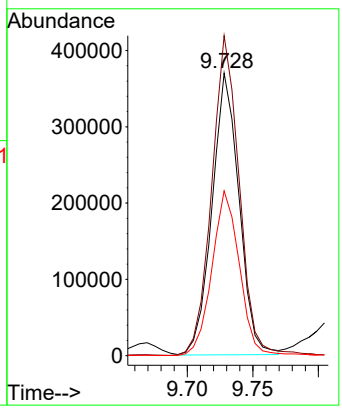


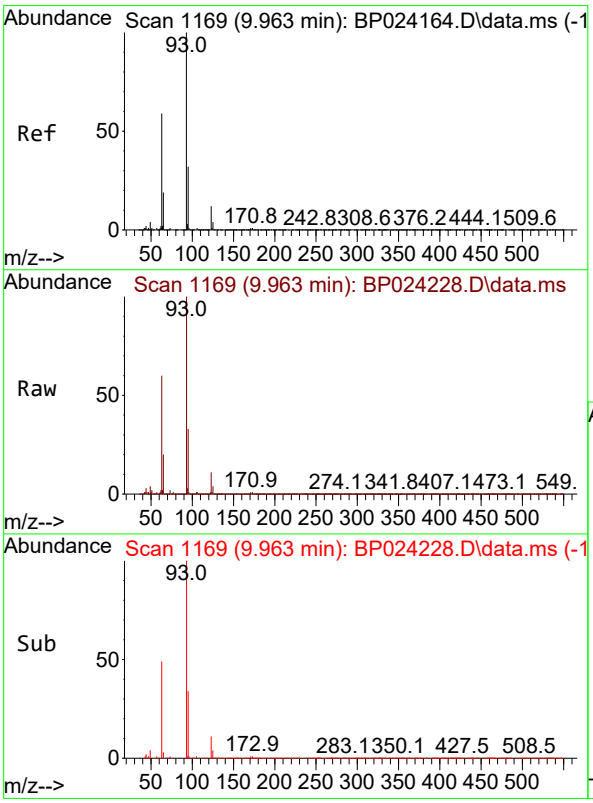
#27
2,4-Dimethylphenol
Concen: 41.973 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 528942

Ion	Ratio	Lower	Upper
122	100		
107	113.3	89.3	133.9
121	58.4	47.5	71.3

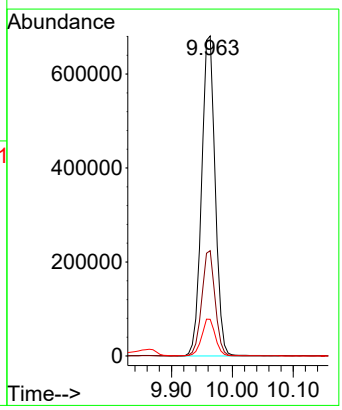


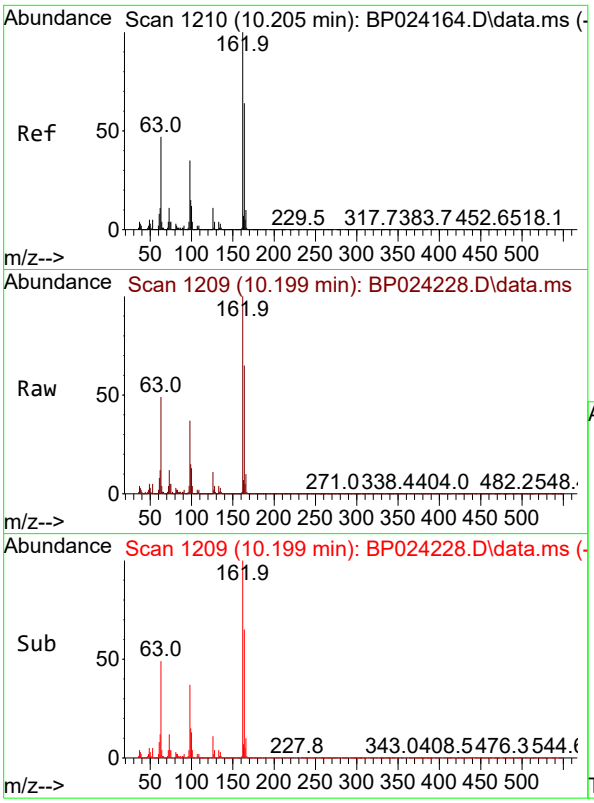


#28
bis(2-Chloroethoxy)methane
Concen: 42.043 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 1054466

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.9	38.9
123	11.5	9.5	14.3



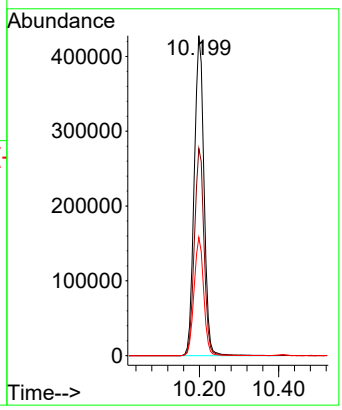


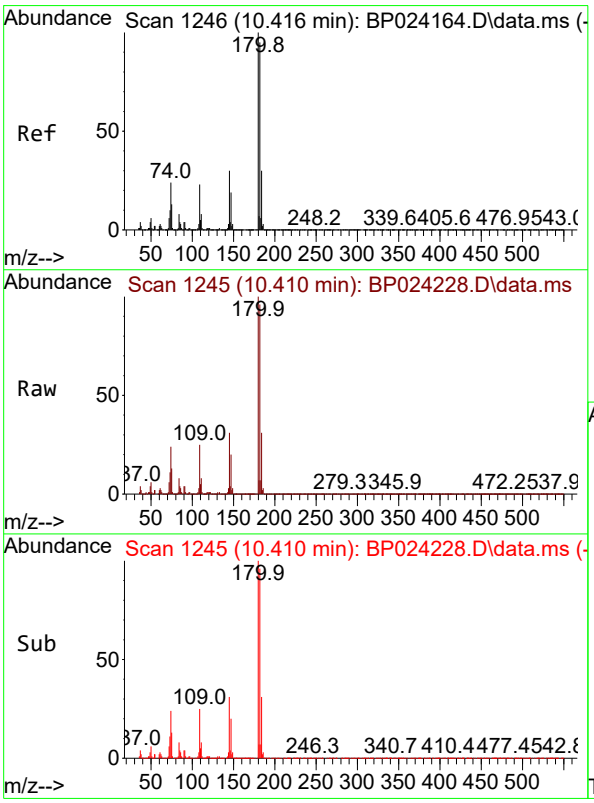
#29
2,4-Dichlorophenol
Concen: 42.809 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 729792

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	36.9	15.1	55.1

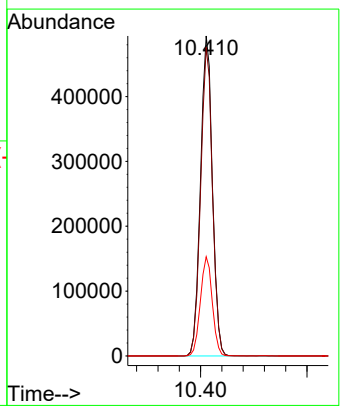


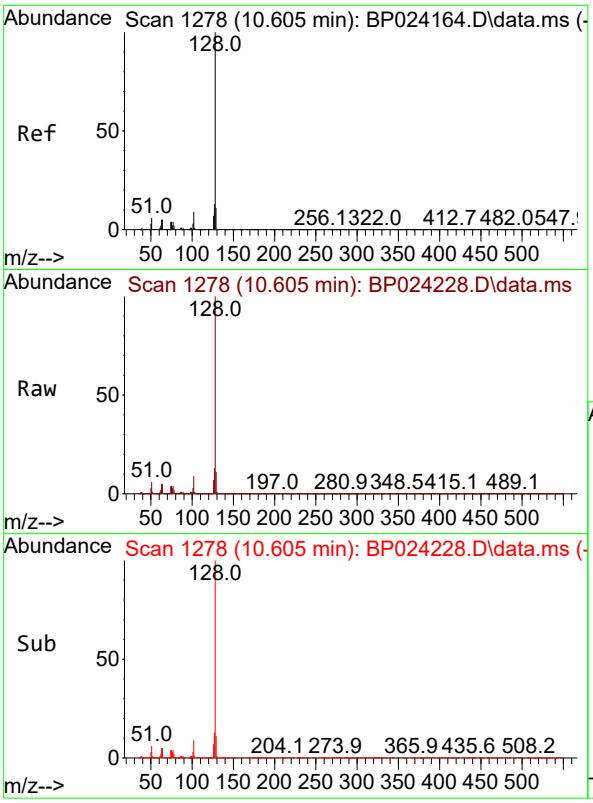


#30
1,2,4-Trichlorobenzene
Concen: 40.549 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:180 Resp: 763746

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
145	31.0	24.2	36.2



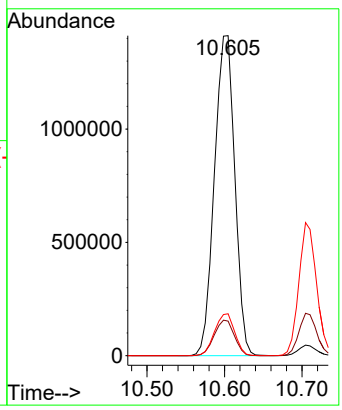


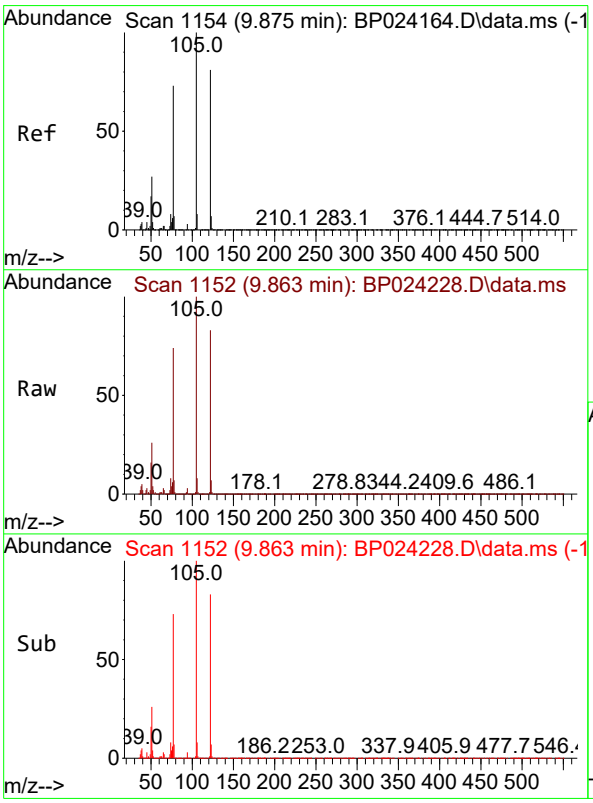
#31
Naphthalene
Concen: 41.488 ng
RT: 10.605 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2580706

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.1	10.4	15.6

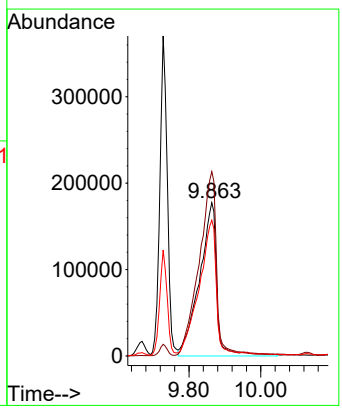


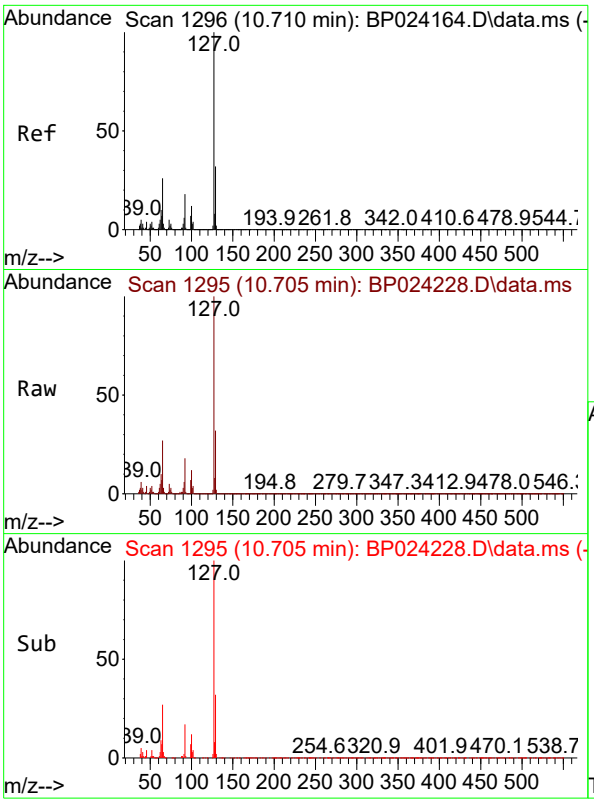


#32
Benzoic acid
Concen: 48.635 ng m
RT: 9.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:122 Resp: 597743

Ion	Ratio	Lower	Upper
122	100		
105	120.2	100.3	140.3
77	88.5	69.1	109.1



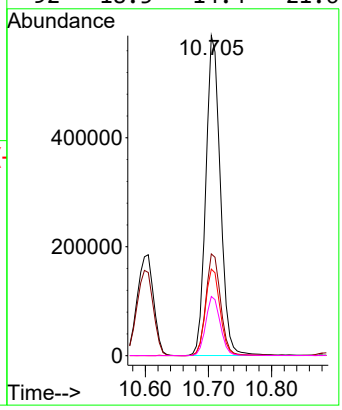


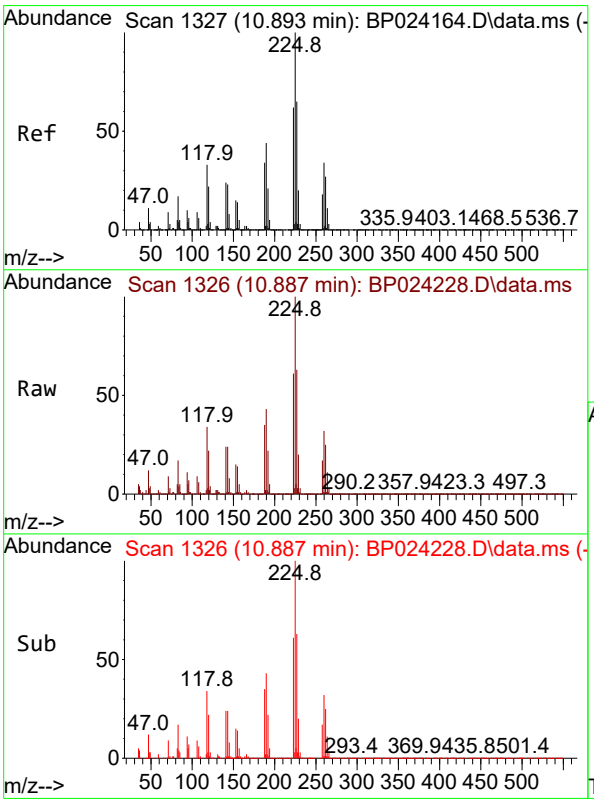
#33
4-Chloroaniline
Concen: 42.261 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 940754

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	27.0	21.2	31.8
92	18.5	14.4	21.6

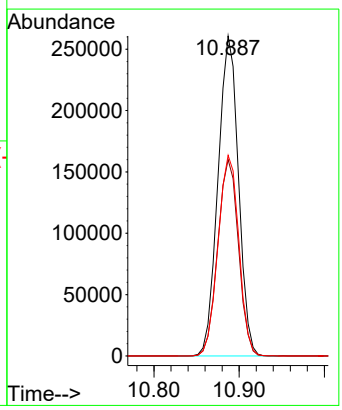


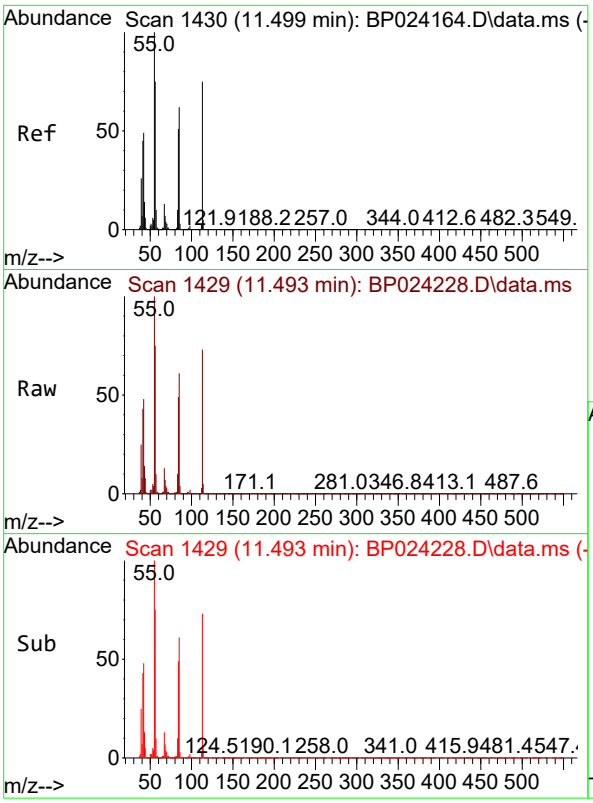


#34
Hexachlorobutadiene
Concen: 40.101 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:225 Resp: 434685

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.9	74.9
227	62.7	52.2	78.2



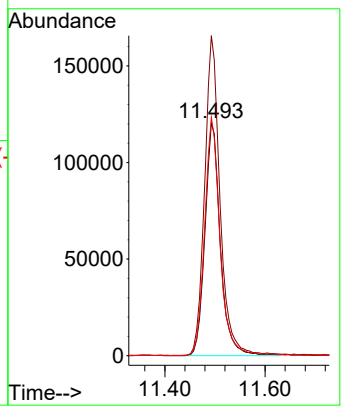


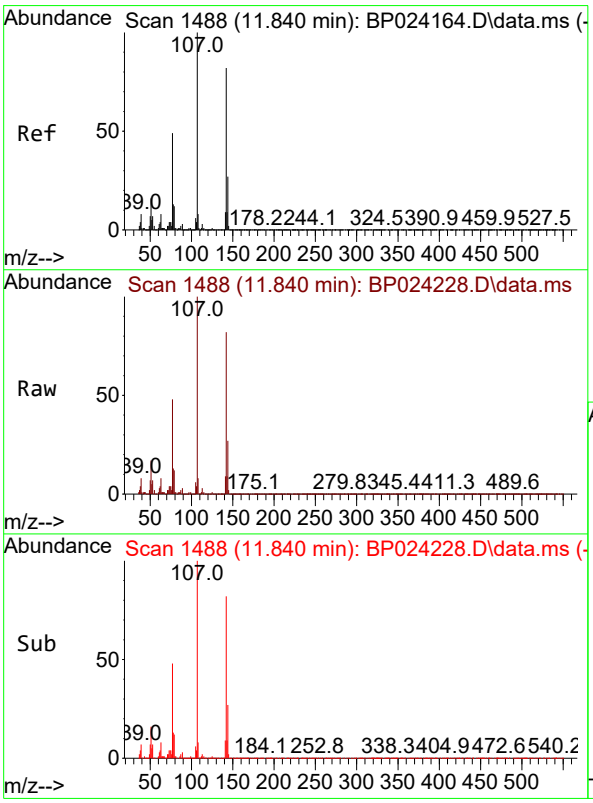
#35
Caprolactam
Concen: 46.011 ng
RT: 11.493 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 257074

Ion	Ratio	Lower	Upper
113	100		
55	137.5	113.6	153.6
56	102.4	80.0	120.0

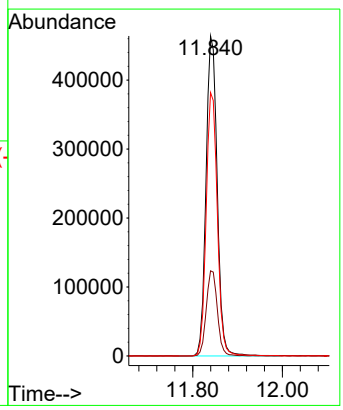


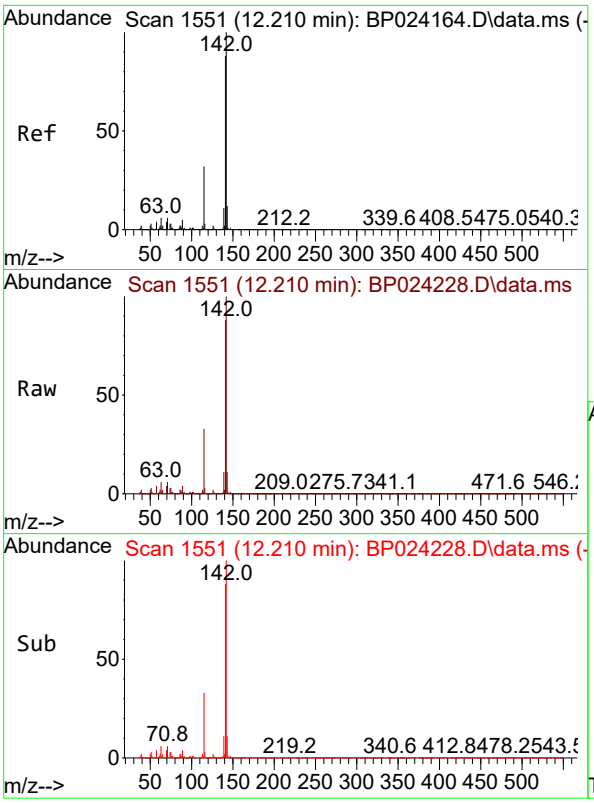


#36
4-Chloro-3-methylphenol
Concen: 43.485 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 799711

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.6	32.4
142	82.3	65.4	98.0



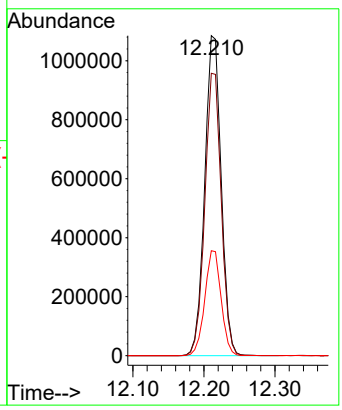


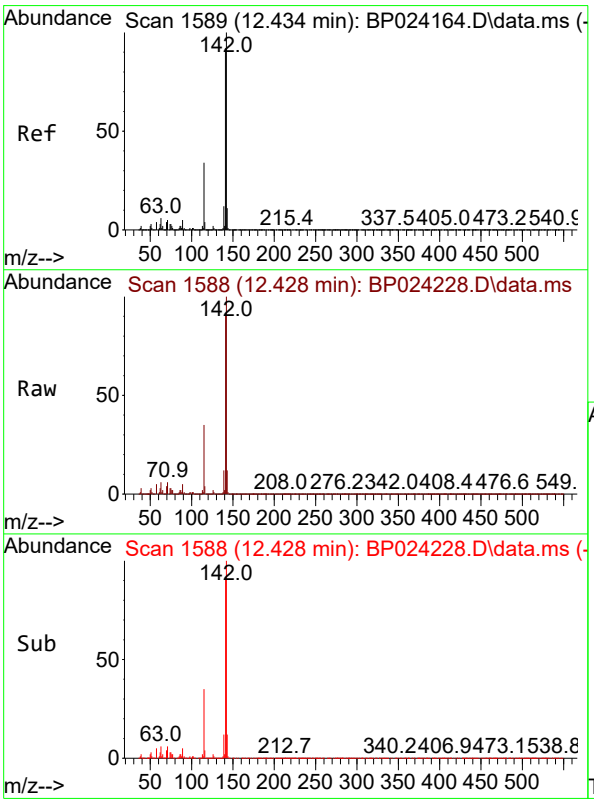
#37
2-Methylnaphthalene
Concen: 41.629 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1749345

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5
115	32.8	26.0	39.0

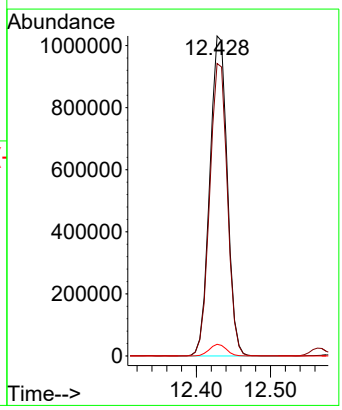


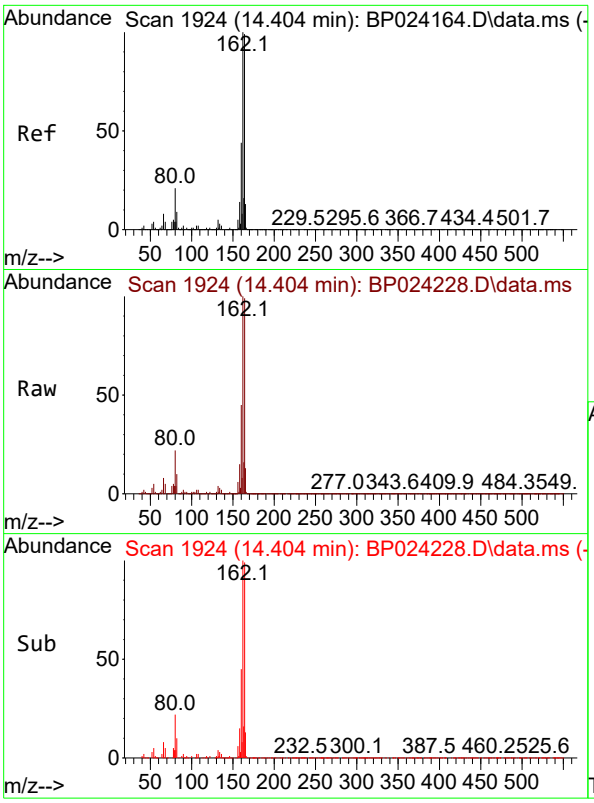


#38
1-Methylnaphthalene
Concen: 41.312 ng
RT: 12.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:142 Resp: 1688556

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	3.6	2.8	4.2



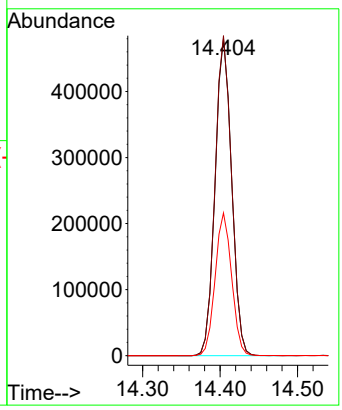


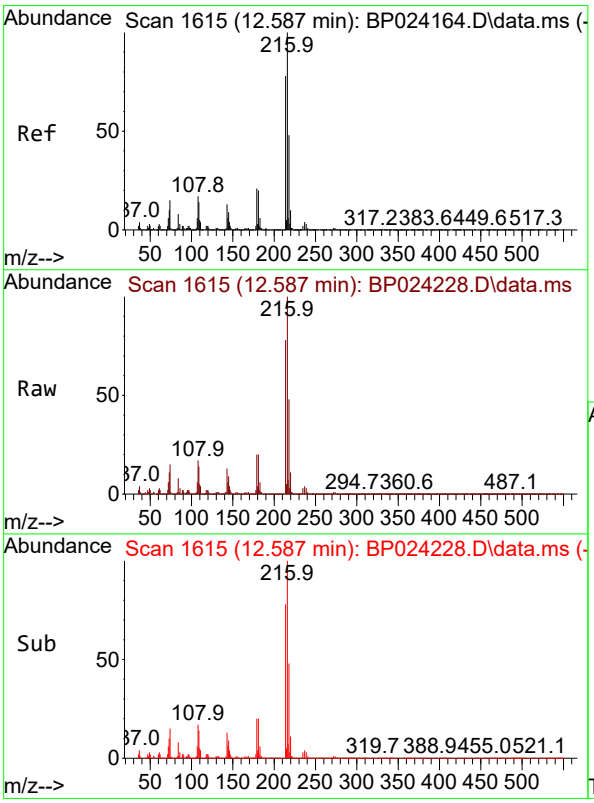
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 712048

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.0	35.4	53.2

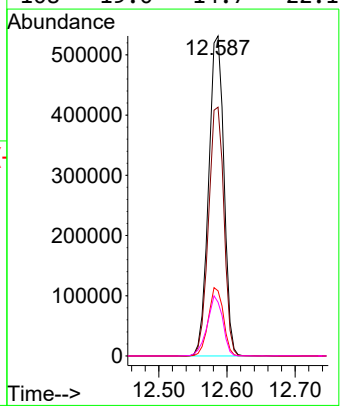


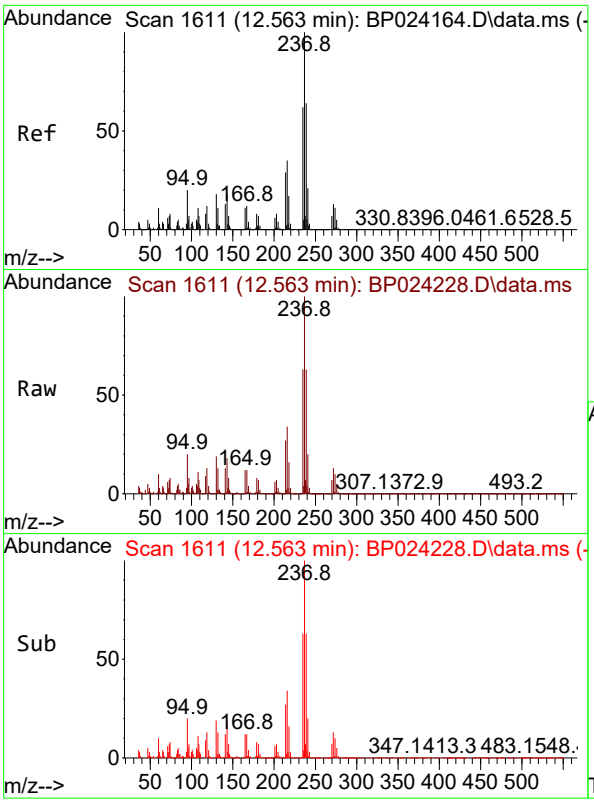


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.347 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:216 Resp: 830463

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.8	94.2
179	21.0	16.8	25.2
108	19.0	14.7	22.1



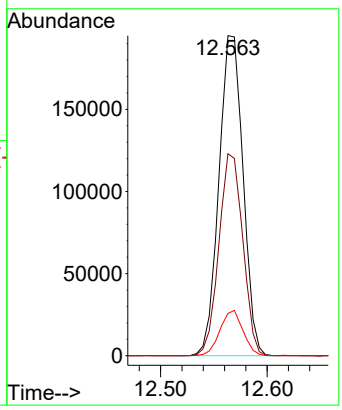


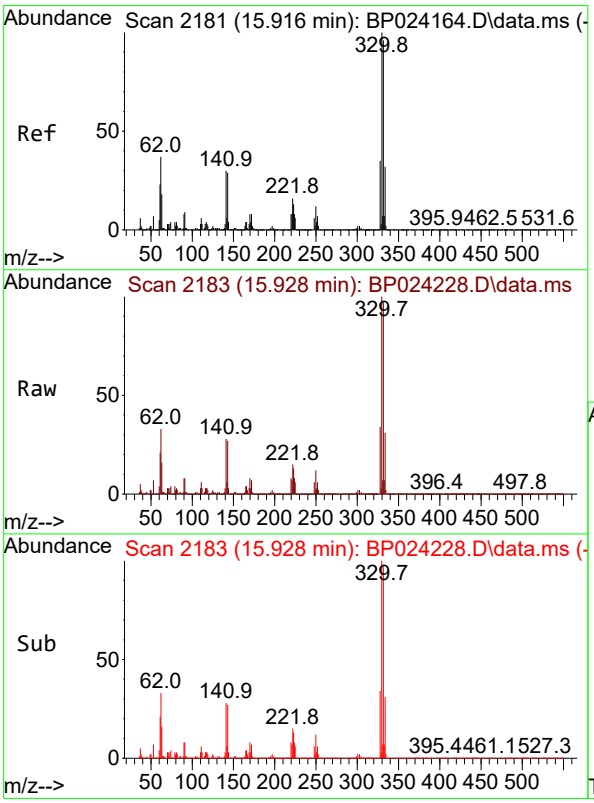
#41
Hexachlorocyclopentadiene
Concen: 41.311 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 306506

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.8	81.8
272	13.2	0.0	33.5

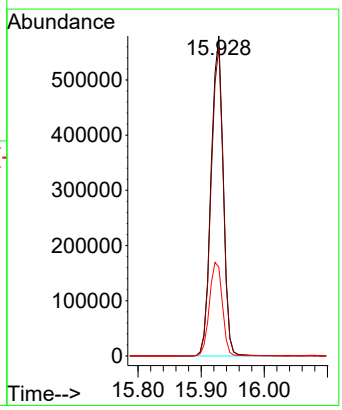


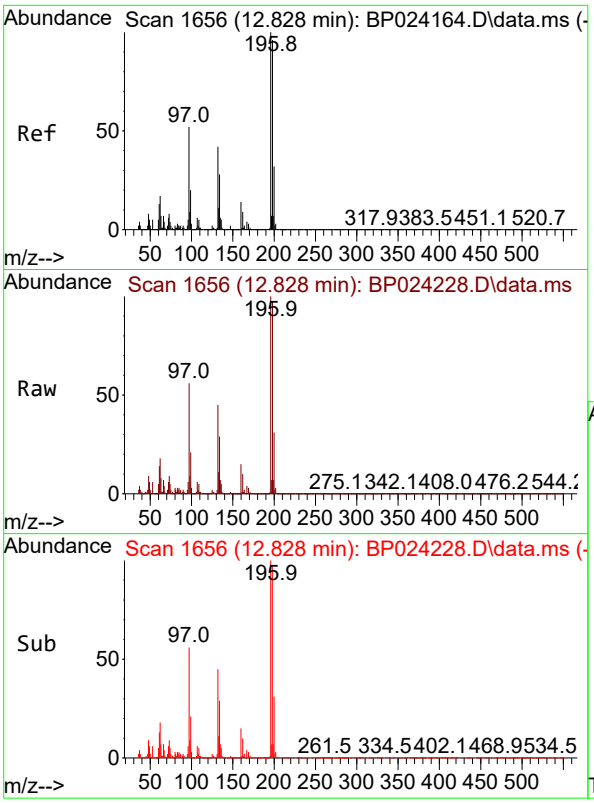


#42
2,4,6-Tribromophenol
Concen: 86.150 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:330 Resp: 772690

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	31.2	25.0	37.6



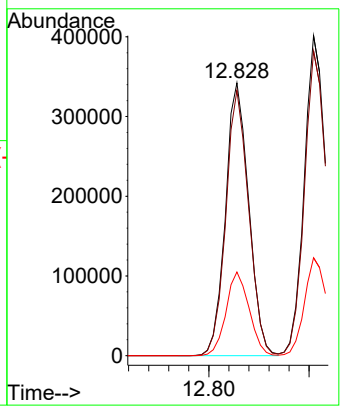


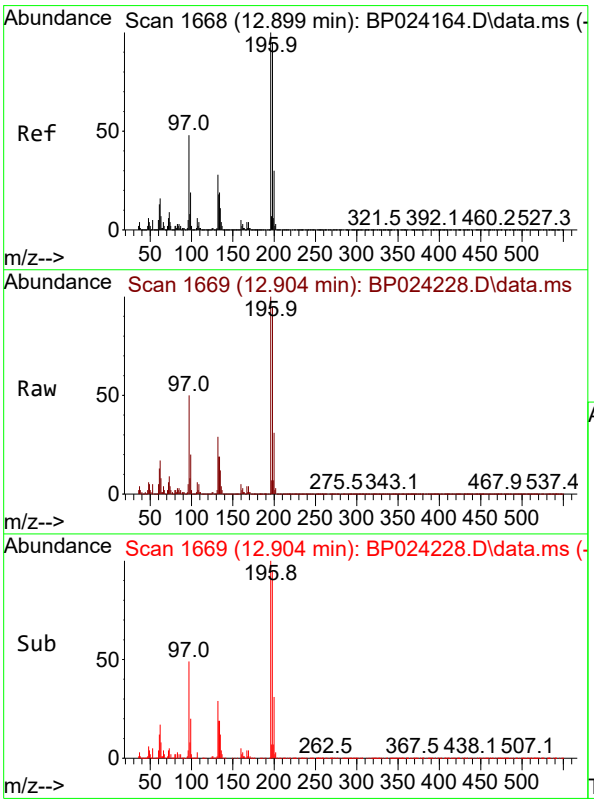
#43
2,4,6-Trichlorophenol
Concen: 42.177 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 551712

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.6	115.0
200	30.7	25.4	38.0

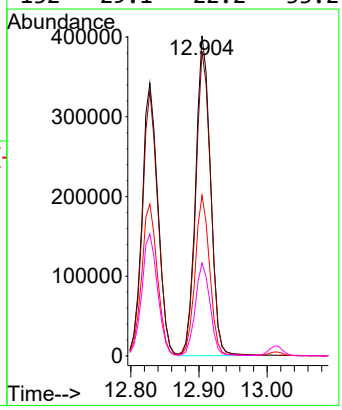


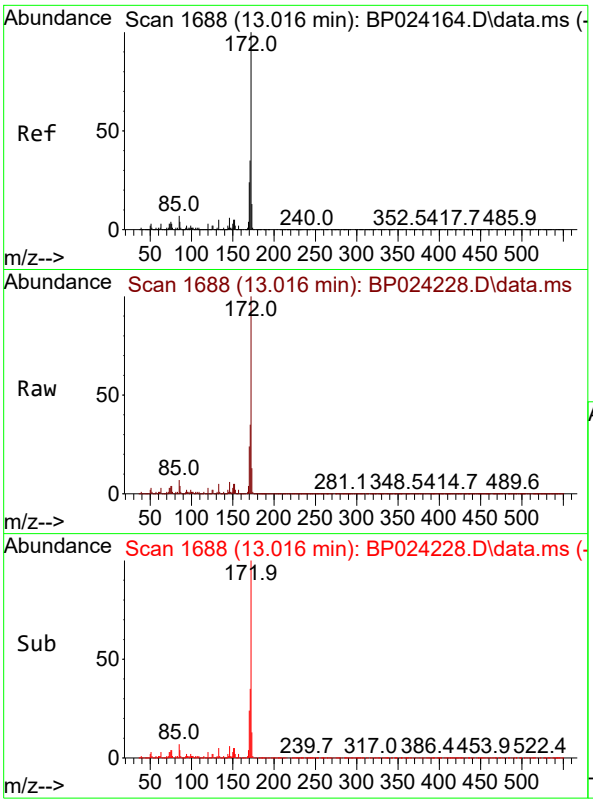


#44
2,4,5-Trichlorophenol
Concen: 42.299 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:196 Resp: 606798

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.5	114.7
97	50.2	38.7	58.1
132	29.1	22.2	33.2



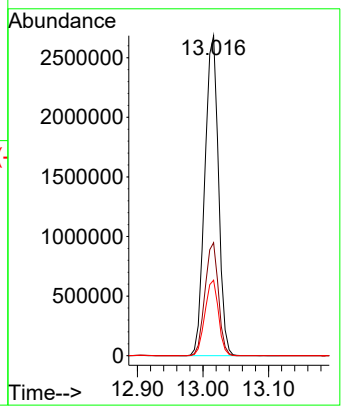


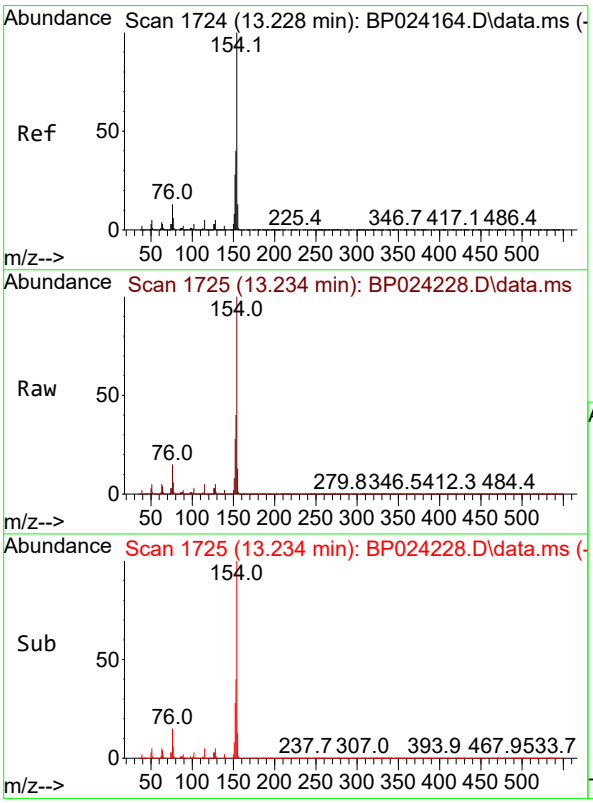
#45
2-Fluorobiphenyl
Concen: 80.493 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3887020

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.6	19.0	28.4

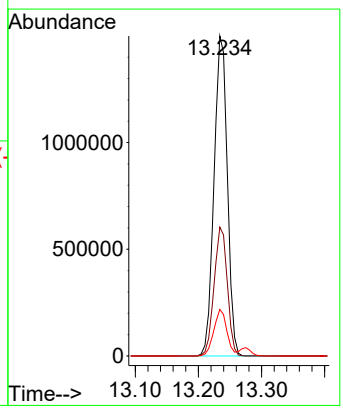


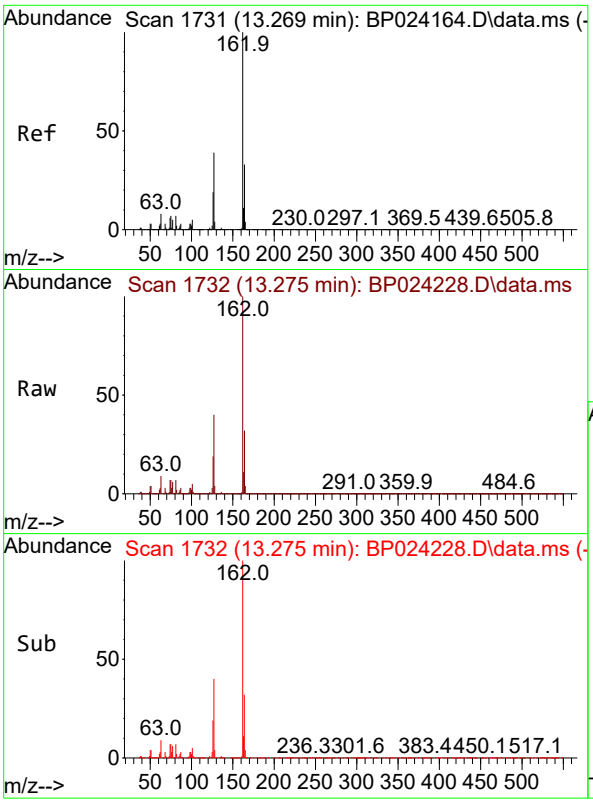


#46
1,1'-Biphenyl
Concen: 40.942 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 2190701

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	14.5	0.0	32.9



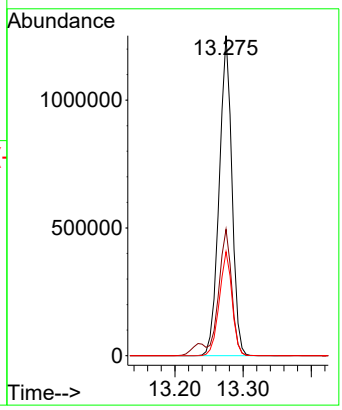


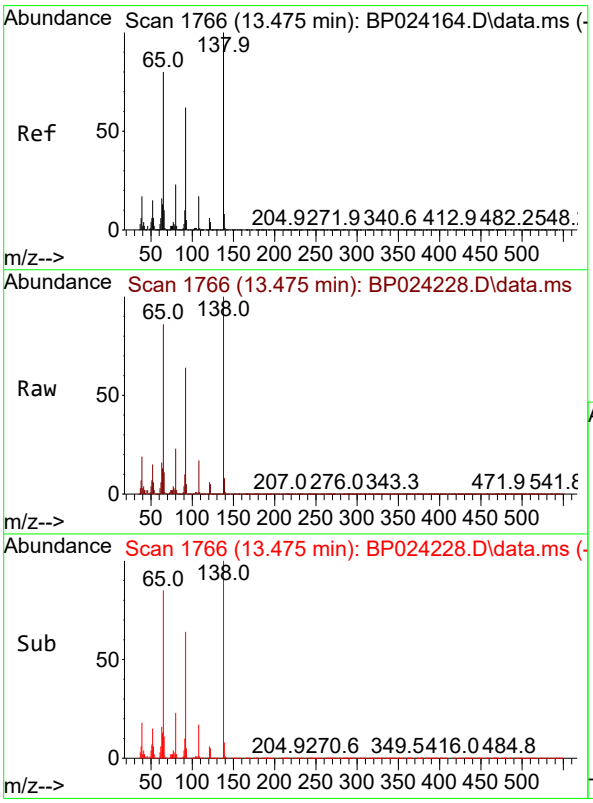
#47
2-Chloronaphthalene
Concen: 40.362 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1624413

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.5	47.3
164	32.5	26.6	39.8

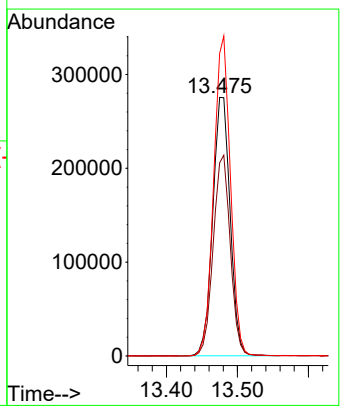


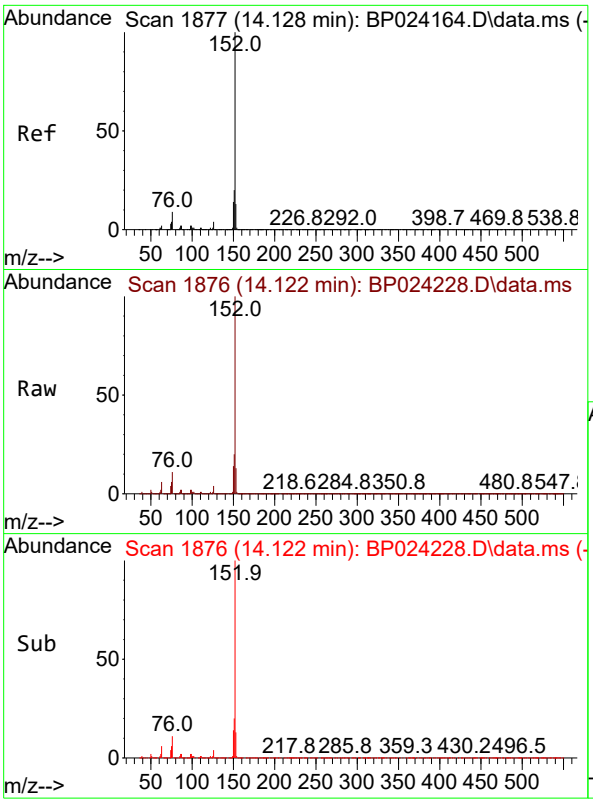


#48
2-Nitroaniline
Concen: 45.470 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 65 Resp: 468062

Ion	Ratio	Lower	Upper
65	100		
92	74.7	62.1	93.1
138	117.0	99.5	149.3



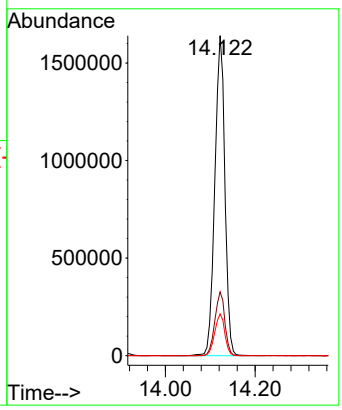


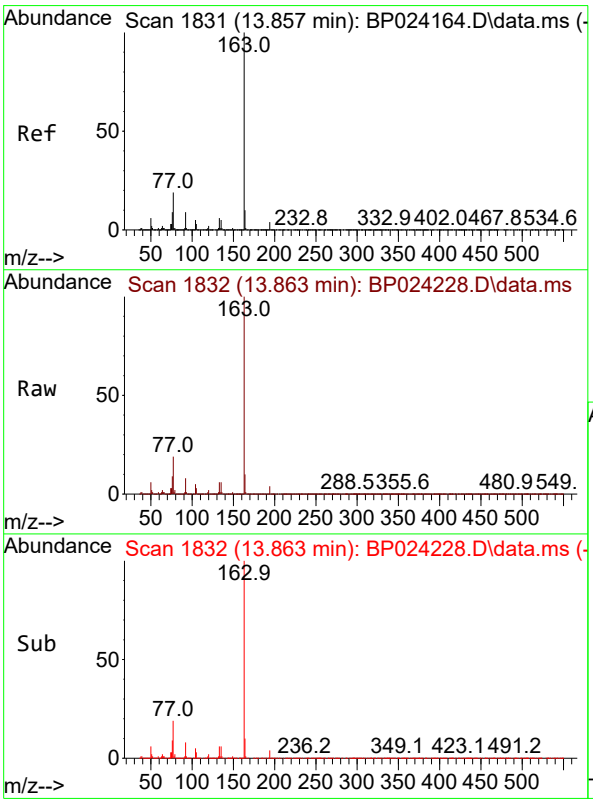
#49
Acenaphthylene
Concen: 41.802 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2545636

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.6	15.8

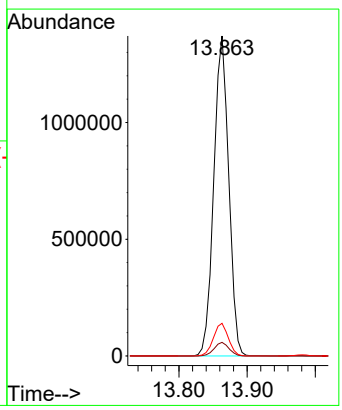


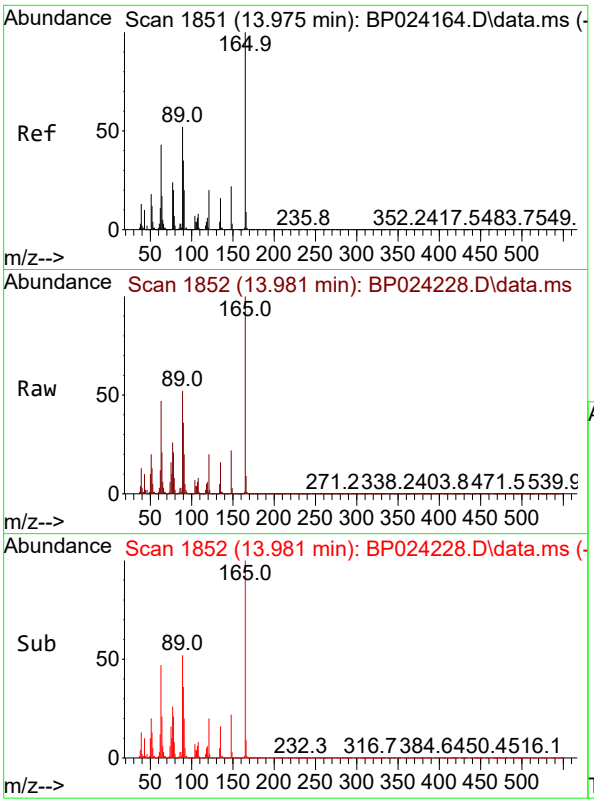


#50
Dimethylphthalate
Concen: 41.901 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:163 Resp: 2087636

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.2	8.2	12.4



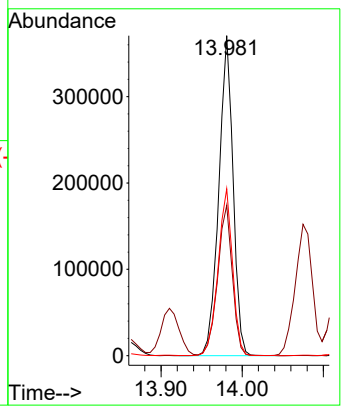


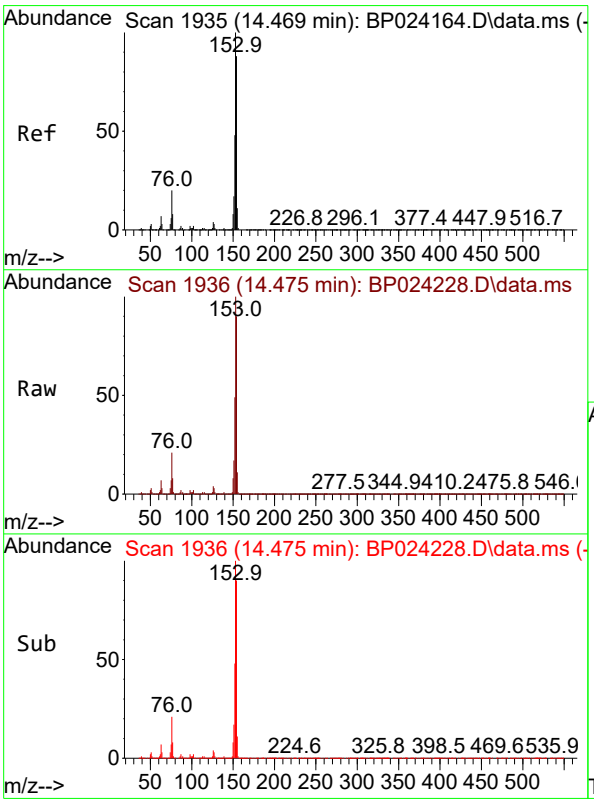
#51
2,6-Dinitrotoluene
Concen: 43.271 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 453615

Ion	Ratio	Lower	Upper
165	100		
63	47.0	37.7	56.5
89	52.1	41.9	62.9

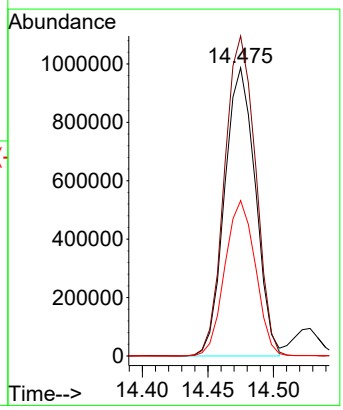


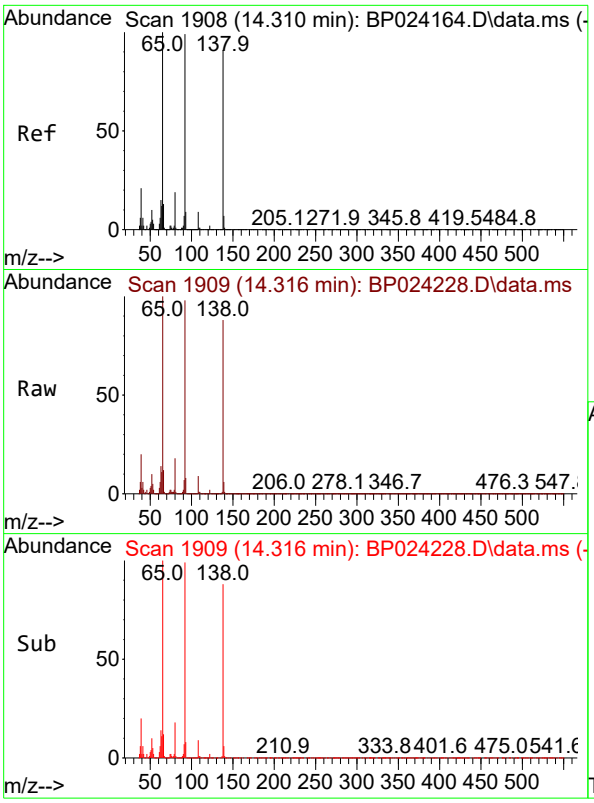


#52
Acenaphthene
Concen: 41.411 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 1611256

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.5	135.7
152	53.9	43.1	64.7



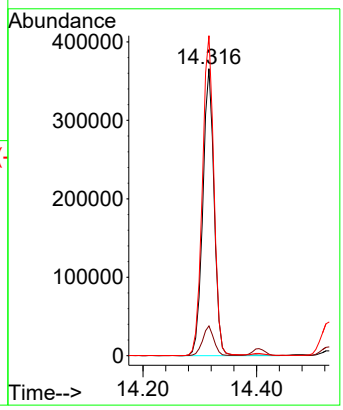


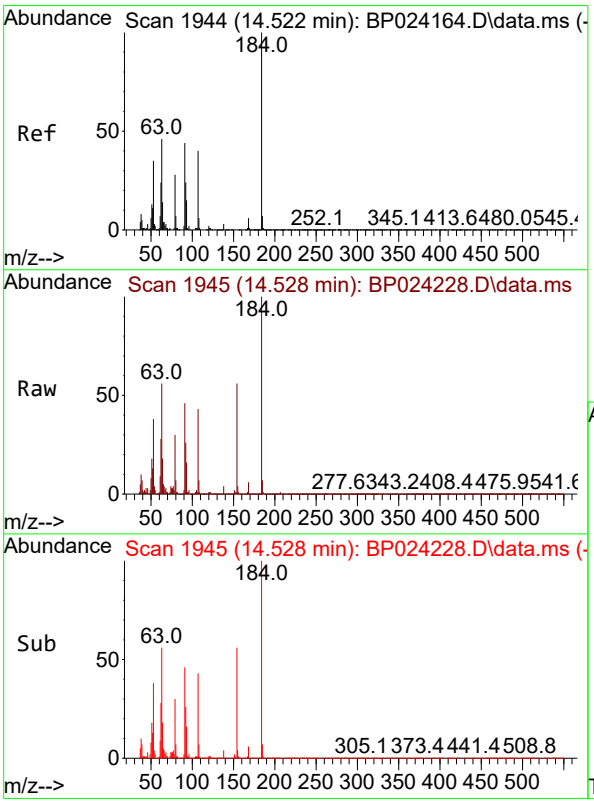
#53
3-Nitroaniline
Concen: 44.593 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 504903

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.2	12.2
92	111.5	86.7	130.1

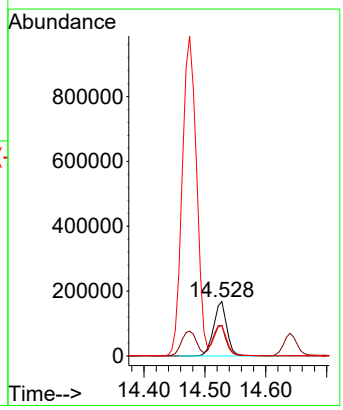


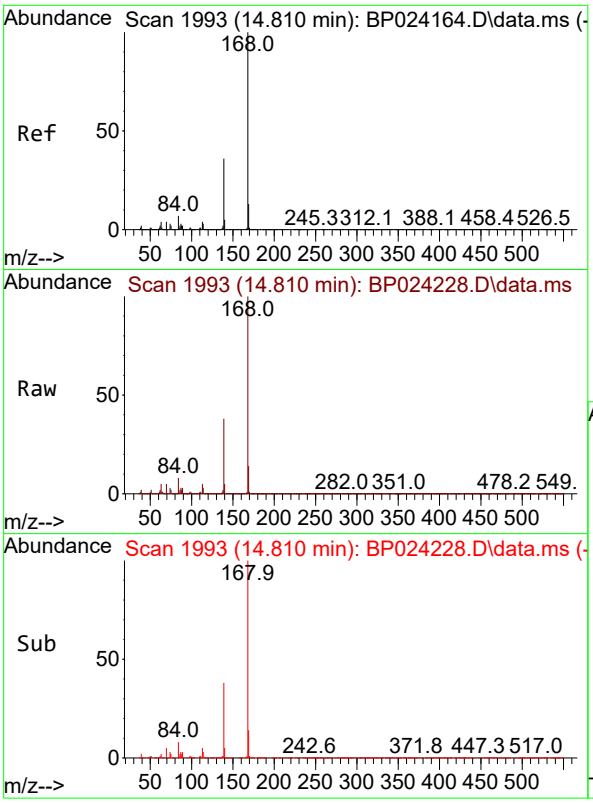


#54
2,4-Dinitrophenol
Concen: 45.859 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:184 Resp: 254373

Ion	Ratio	Lower	Upper
184	100		
63	56.1	42.1	63.1
154	56.2	44.6	67.0



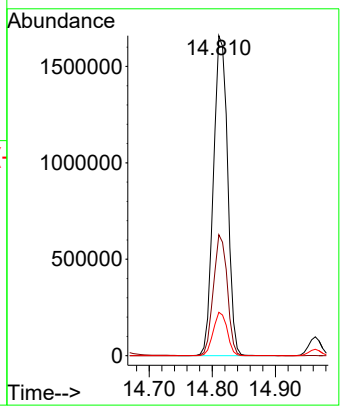


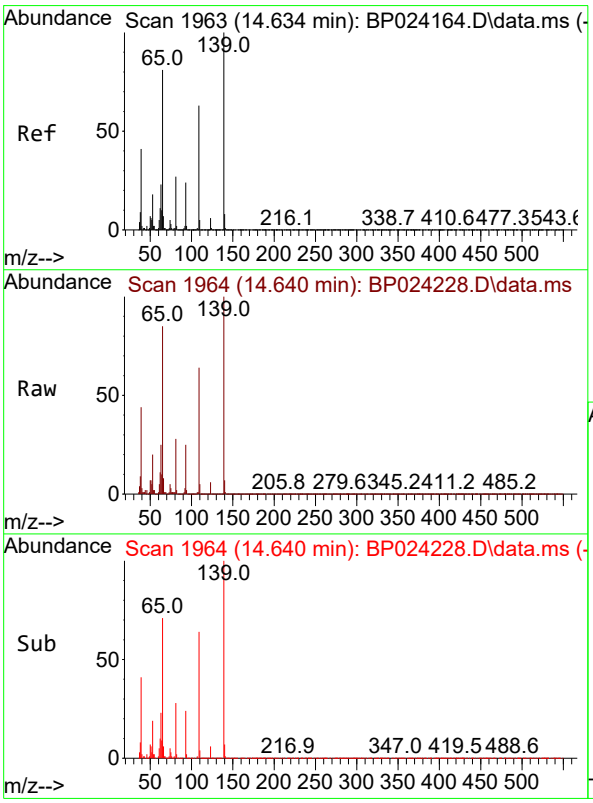
#55
Dibenzofuran
Concen: 41.102 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2590493

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.1	43.7
169	13.5	10.8	16.2

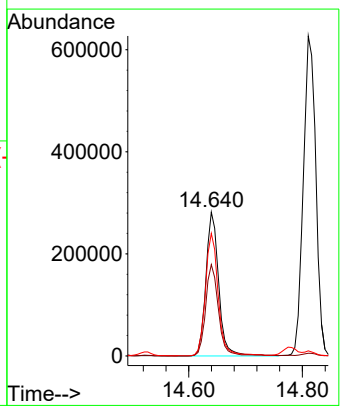


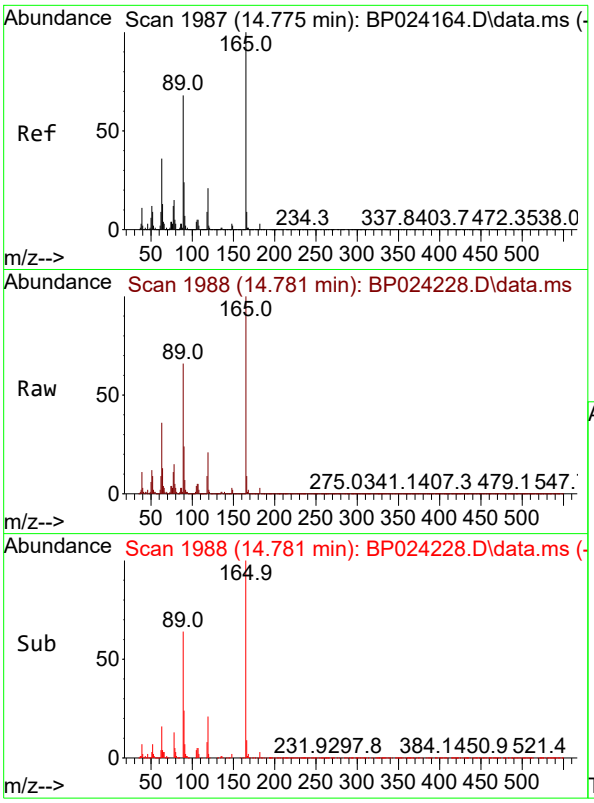


#56
4-Nitrophenol
Concen: 46.371 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 438706

Ion	Ratio	Lower	Upper
139	100		
109	63.6	43.3	83.3
65	85.3	61.2	101.2



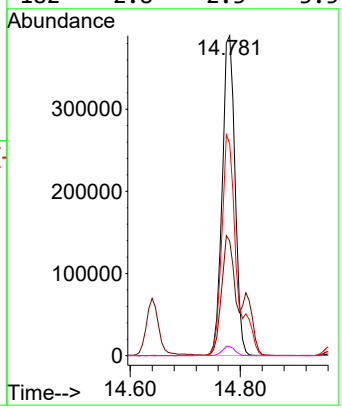


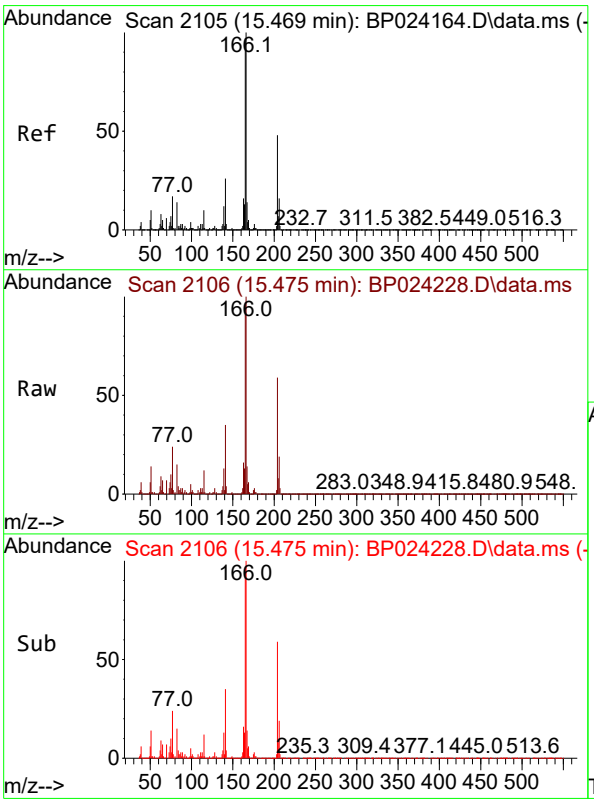
#57
2,4-Dinitrotoluene
Concen: 45.191 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 625765

Ion	Ratio	Lower	Upper
165	100		
63	35.9	29.0	43.6
89	66.2	54.2	81.4
182	2.8	2.3	3.5

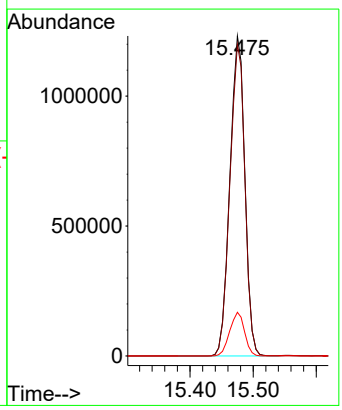


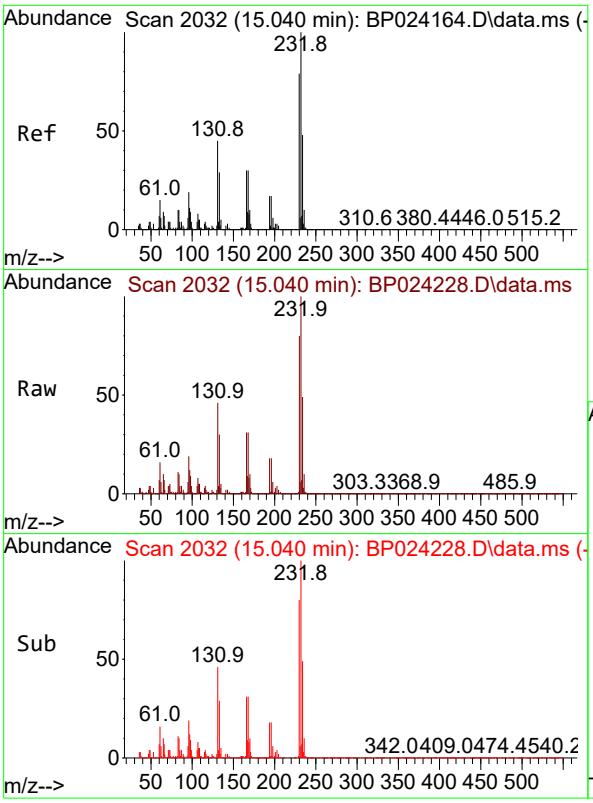


#58
Fluorene
Concen: 41.183 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:166 Resp: 2022327

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.6	116.4
167	13.7	10.8	16.2



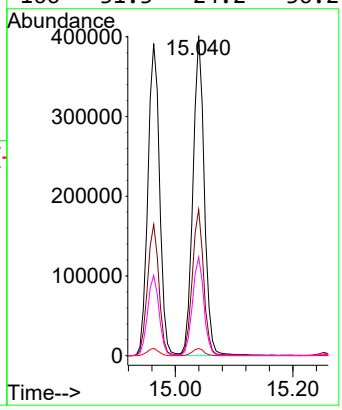


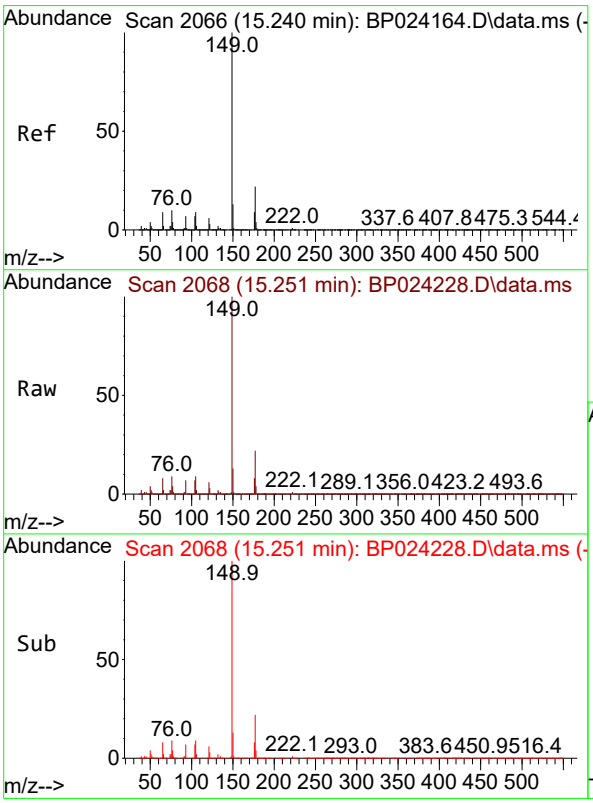
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.344 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 536689

Ion	Ratio	Lower	Upper
232	100		
131	45.6	35.9	53.9
130	2.4	1.8	2.6
166	31.3	24.2	36.2

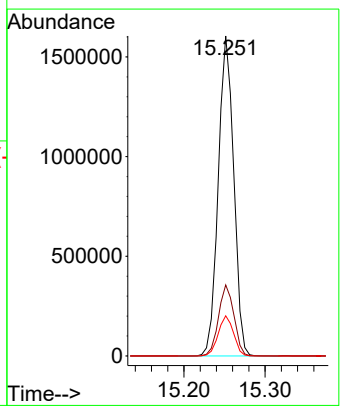


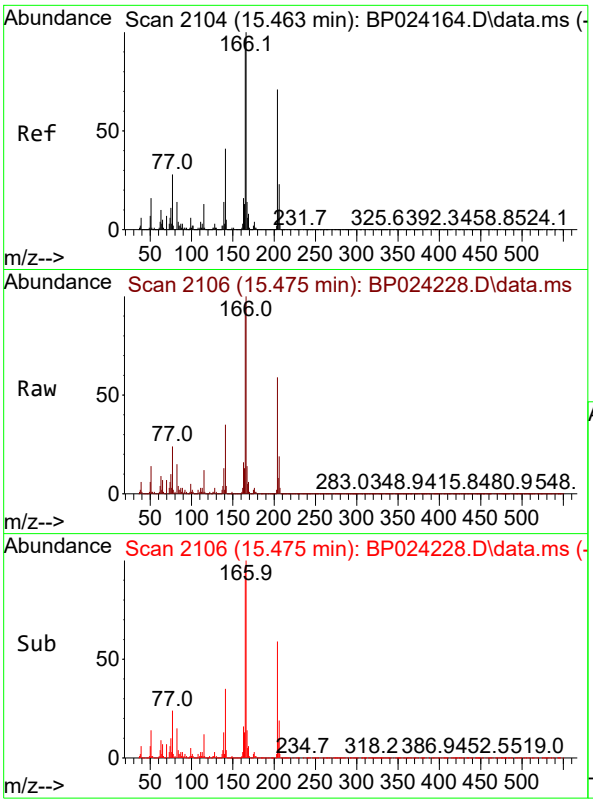


#60
Diethylphthalate
Concen: 42.942 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2130607

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.7	26.5
150	12.5	10.2	15.4



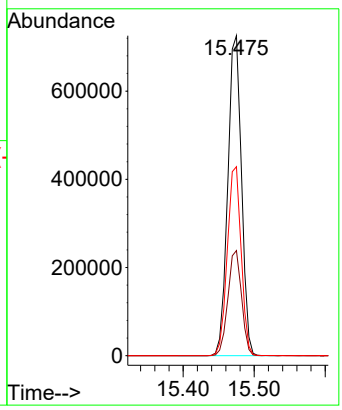


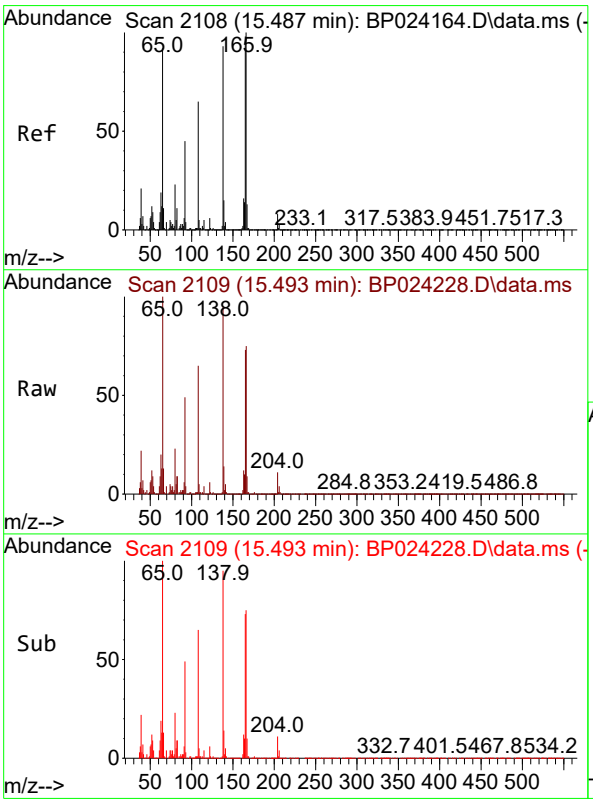
#61
4-Chlorophenyl-phenylether
Concen: 40.284 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 970246

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	59.1	45.8	68.8

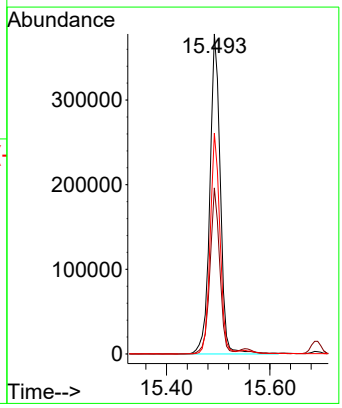


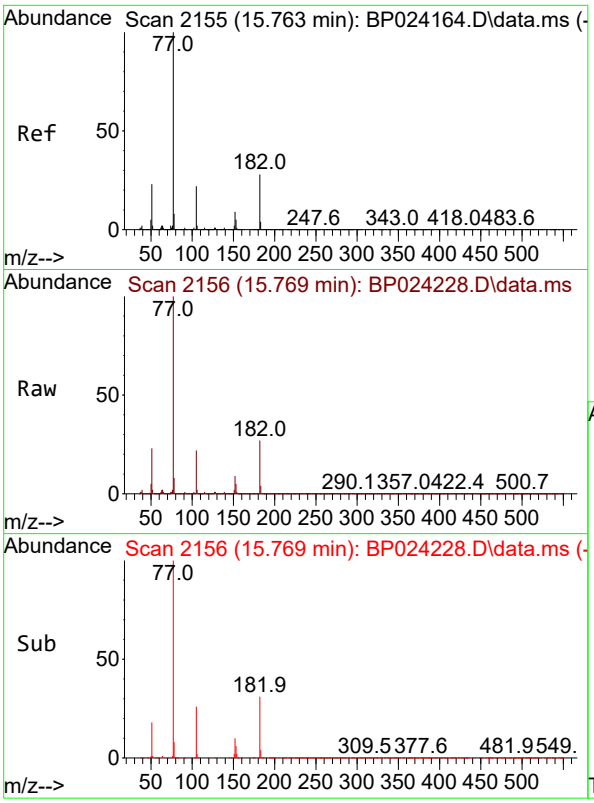


#62
4-Nitroaniline
Concen: 44.847 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:138 Resp: 532563

Ion	Ratio	Lower	Upper
138	100		
92	51.9	28.7	68.7
108	69.0	49.5	89.5



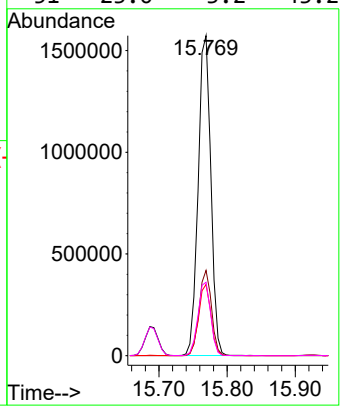


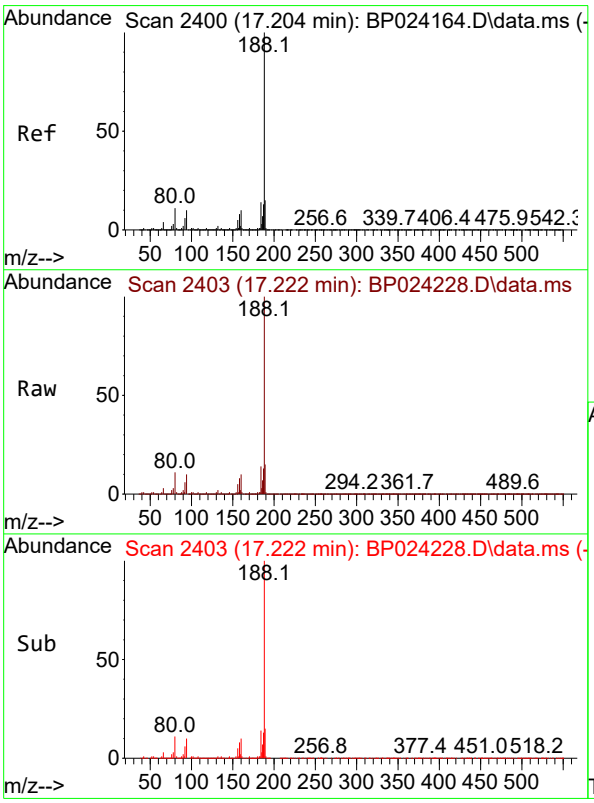
#63
Azobenzene
Concen: 43.353 ng
RT: 15.769 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 2027384

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.7	47.7
105	22.2	2.3	42.3
51	23.0	3.2	43.2

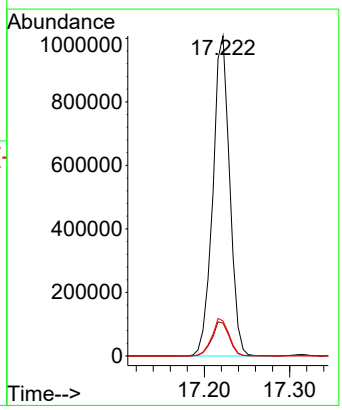


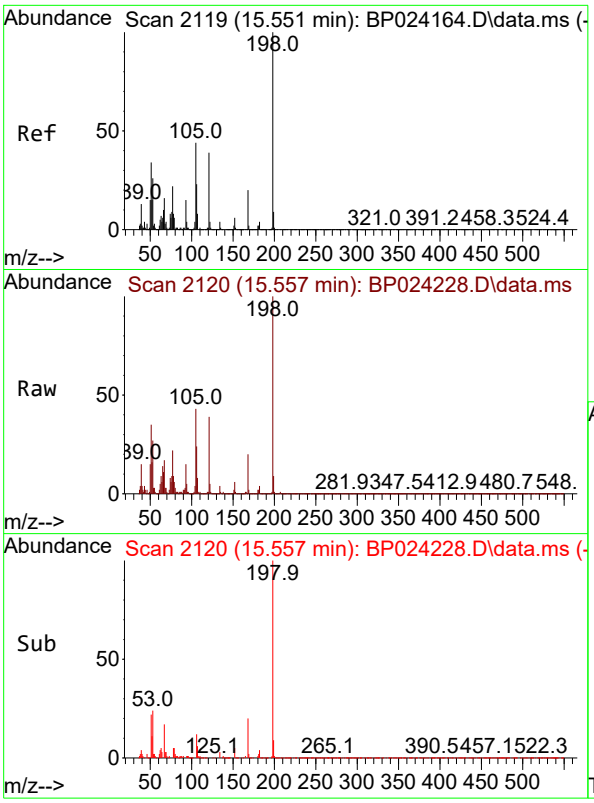


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:188 Resp: 1380061

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.0	8.9	13.3



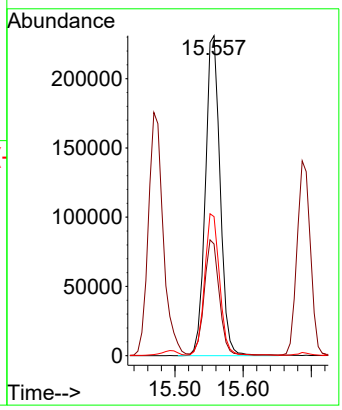


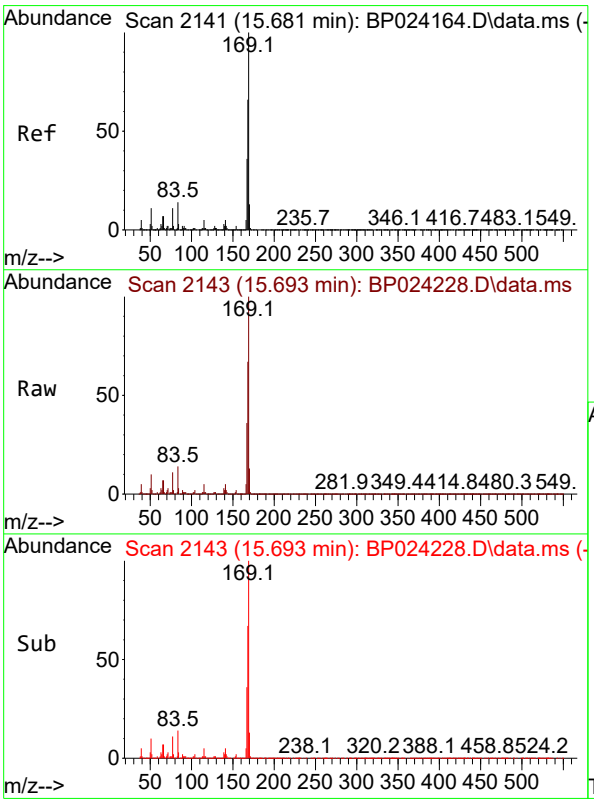
#65
4,6-Dinitro-2-methylphenol
Concen: 42.395 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 347340

Ion	Ratio	Lower	Upper
198	100		
51	34.9	14.7	54.7
105	43.5	23.8	63.8

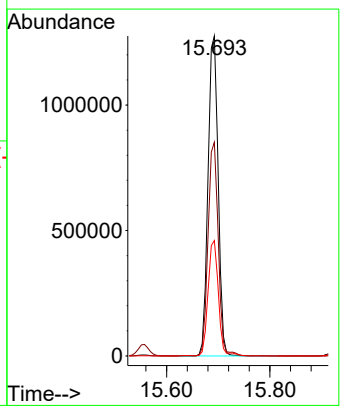


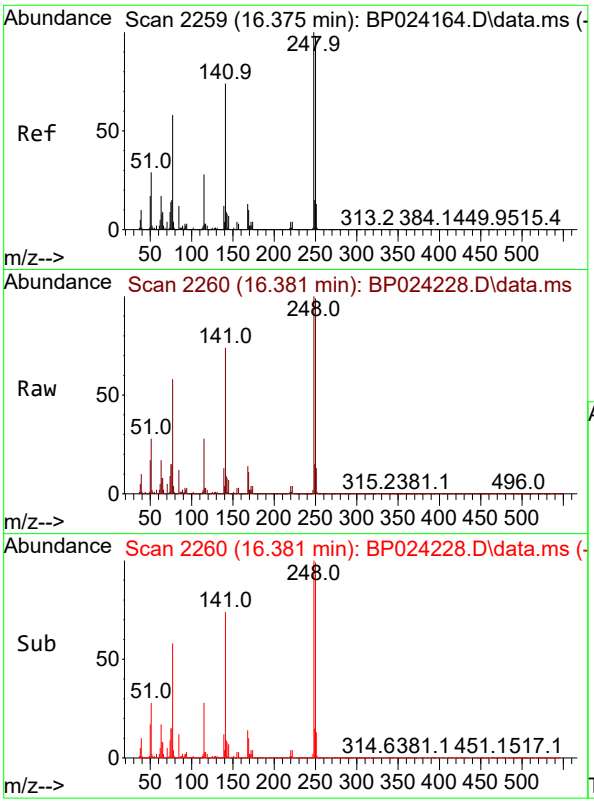


#66
n-Nitrosodiphenylamine
Concen: 41.235 ng
RT: 15.693 min Scan# 2143
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:169 Resp: 1728077

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.9	79.3
167	36.0	28.8	43.2



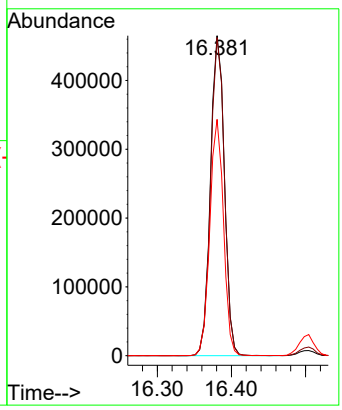


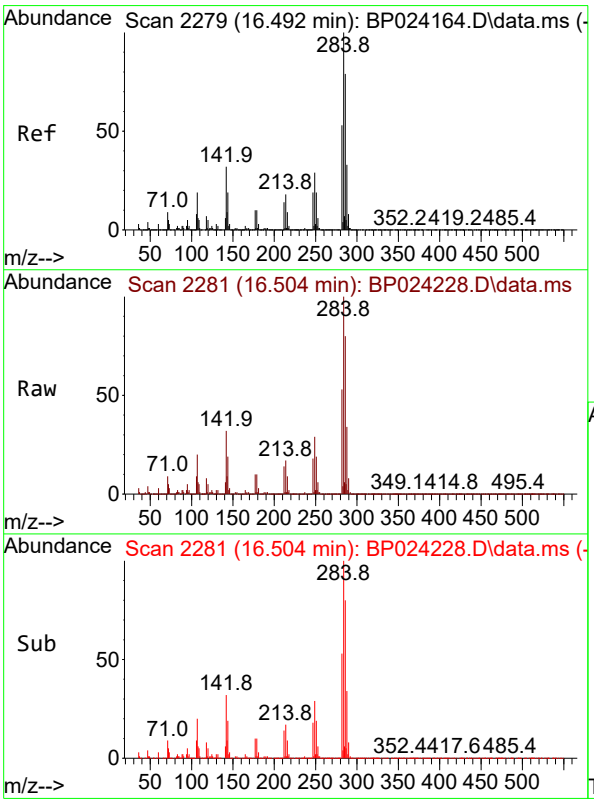
#67
4-Bromophenyl-phenylether
Concen: 40.028 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 606490

Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.4	117.6
141	73.8	59.4	89.0

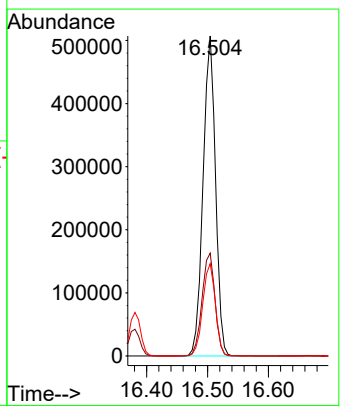


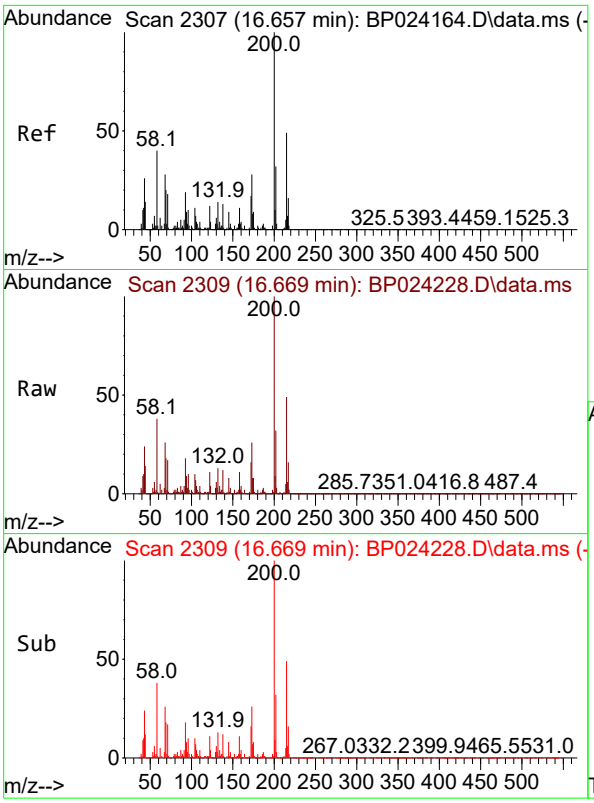


#68
Hexachlorobenzene
Concen: 40.119 ng
RT: 16.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:284 Resp: 719481

Ion	Ratio	Lower	Upper
284	100		
142	32.2	25.4	38.2
249	28.8	23.5	35.3



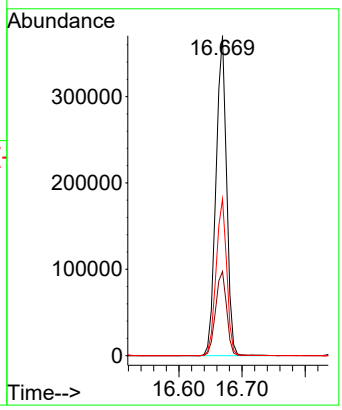


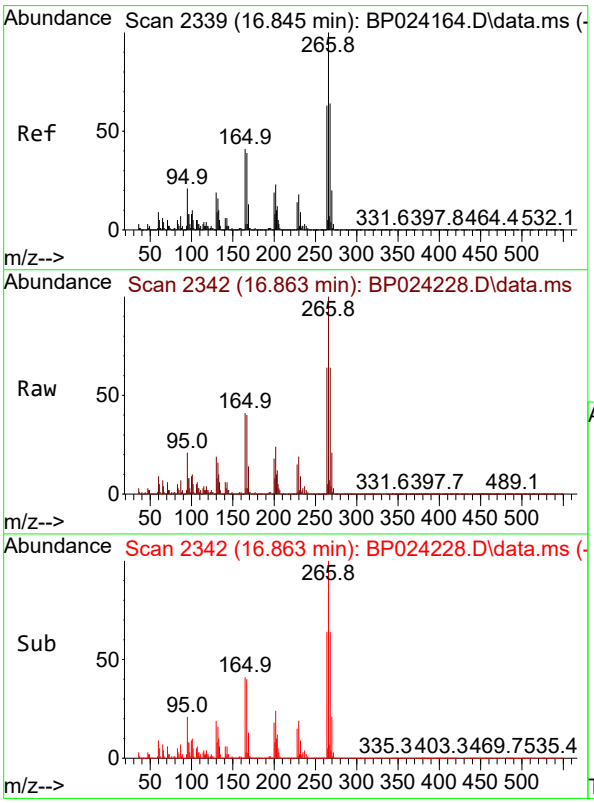
#69
Atrazine
Concen: 42.859 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 433531

Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.6	47.6
215	49.0	29.0	69.0

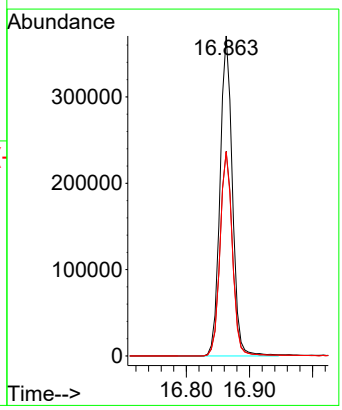


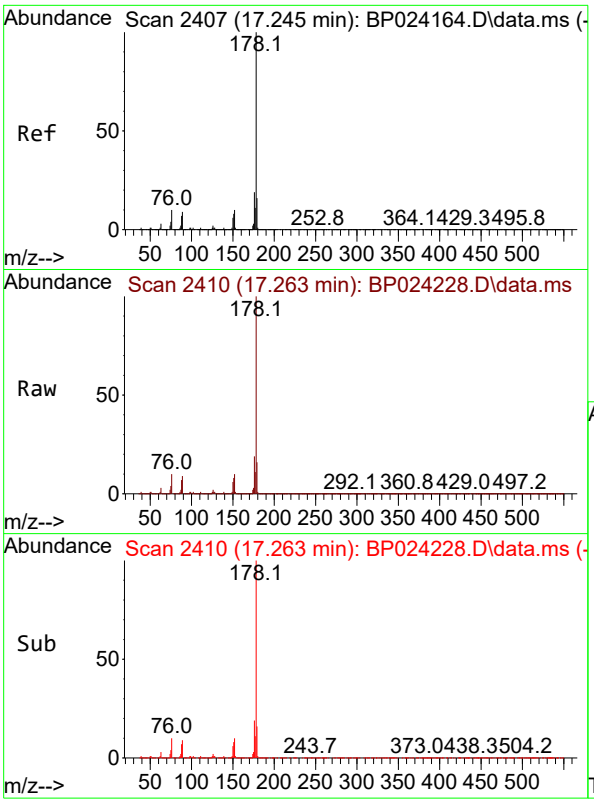


#70
Pentachlorophenol
Concen: 43.456 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:266 Resp: 503982

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.3	76.9
264	63.8	50.6	76.0



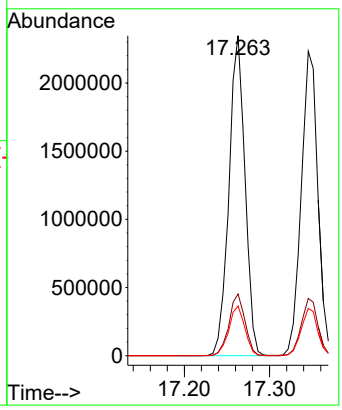


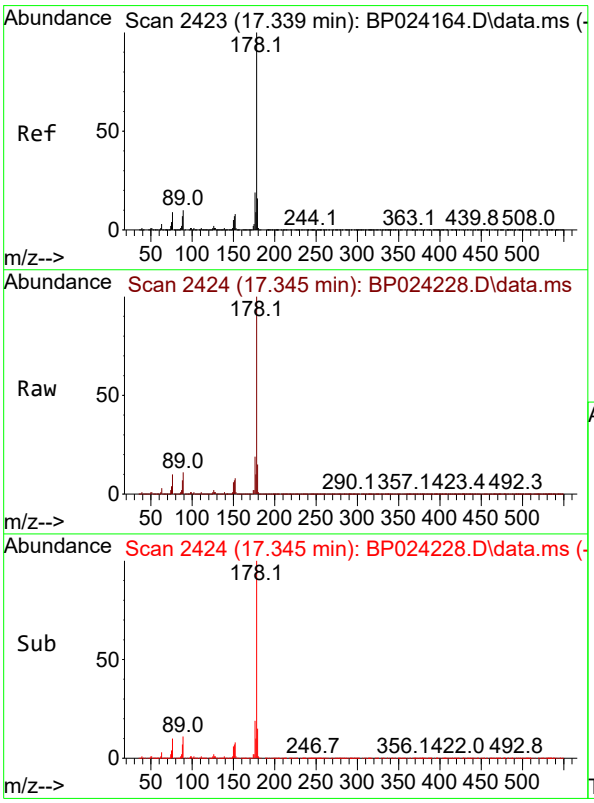
#71
Phenanthrene
Concen: 40.902 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3083668

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.6	12.5	18.7

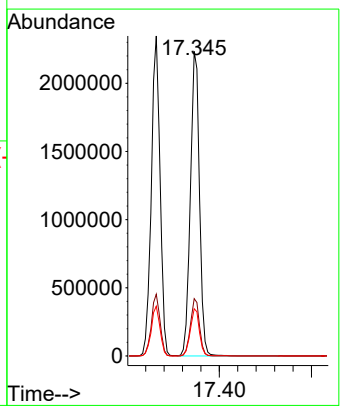


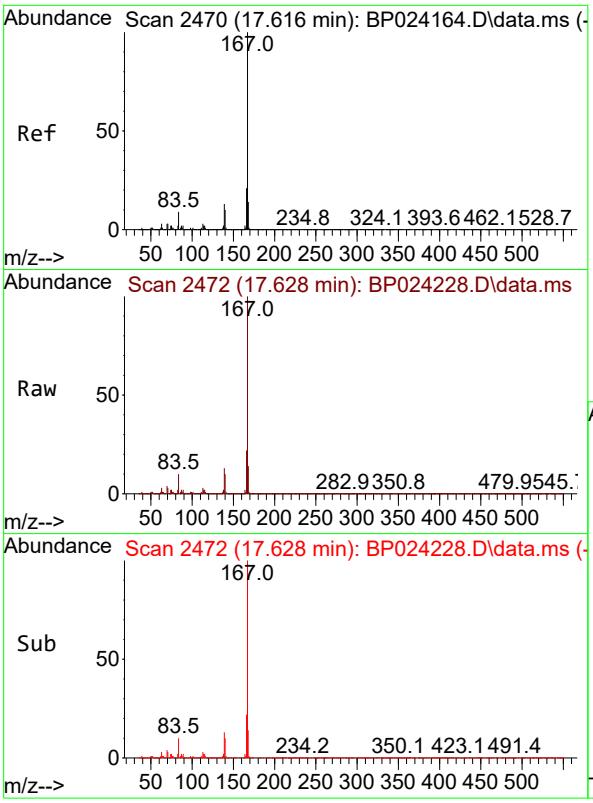


#72
Anthracene
Concen: 41.398 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:178 Resp: 3039833

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



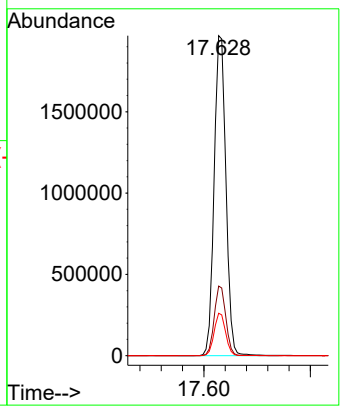


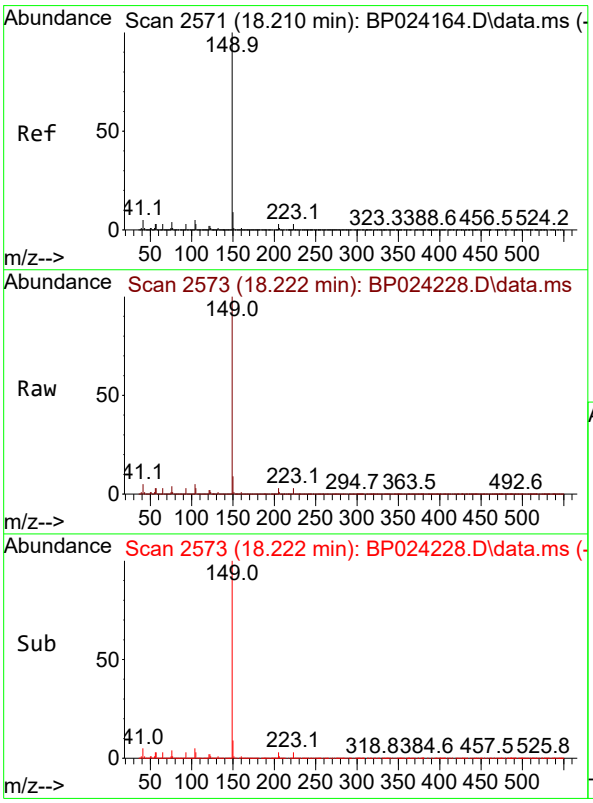
#73
Carbazole
Concen: 42.549 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3013012

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.3	10.2	15.4

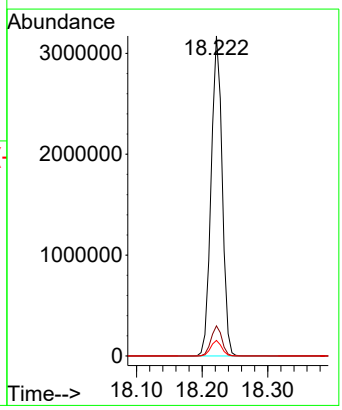


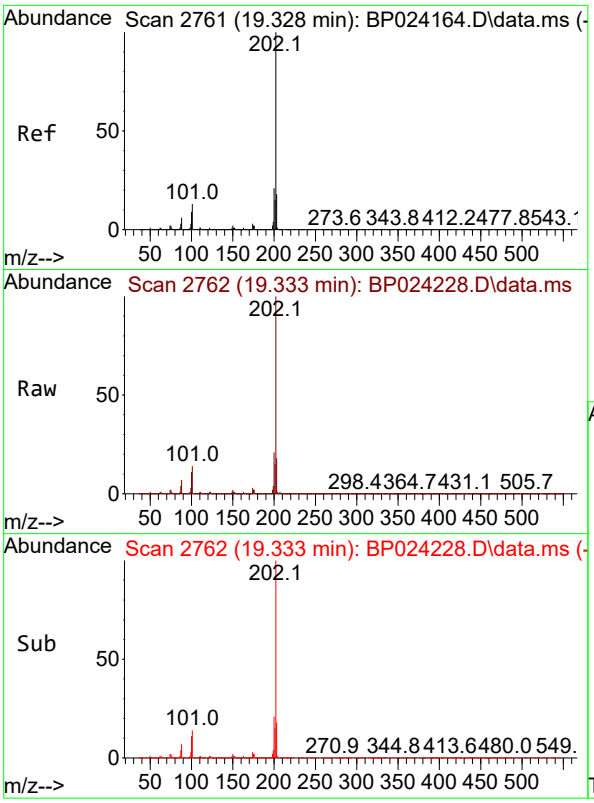


#74
Di-n-butylphthalate
Concen: 44.147 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 3711096

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	4.8	3.9	5.9



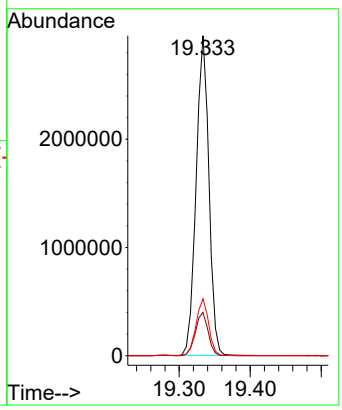


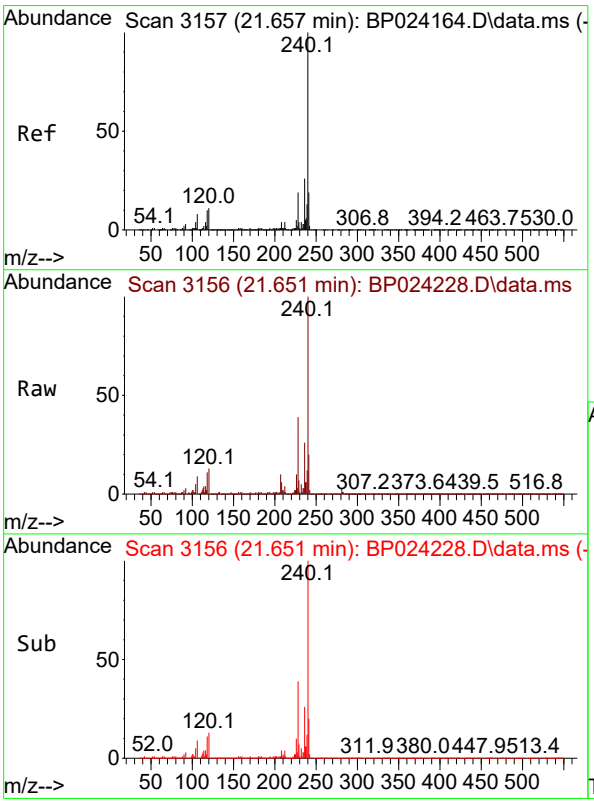
#75
Fluoranthene
Concen: 42.341 ng
RT: 19.333 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3697085

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.5
203	17.7	0.0	37.9

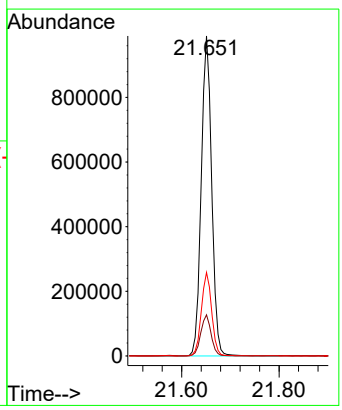


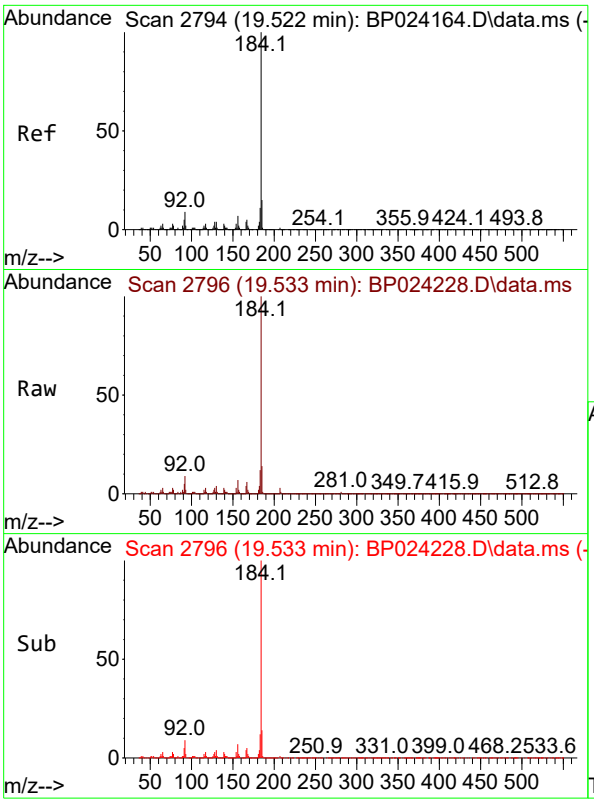


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:240 Resp: 1470276

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	26.1	20.4	30.6



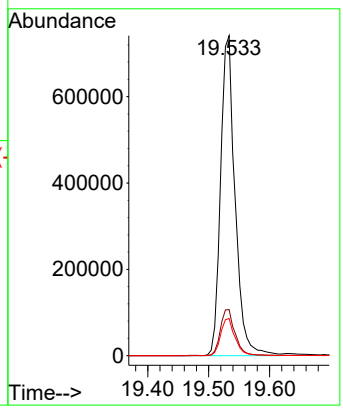


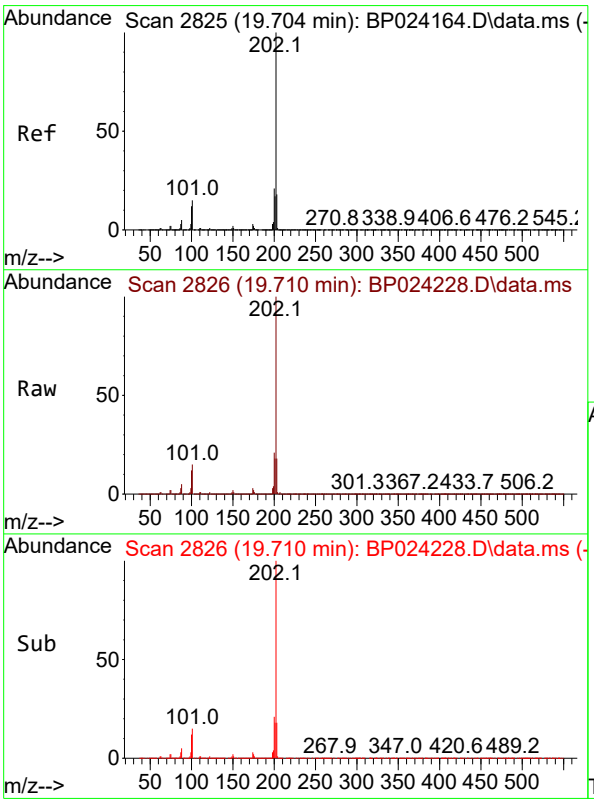
#77
Benzidine
Concen: 76.030 ng
RT: 19.533 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1222191

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.6	9.1	13.7

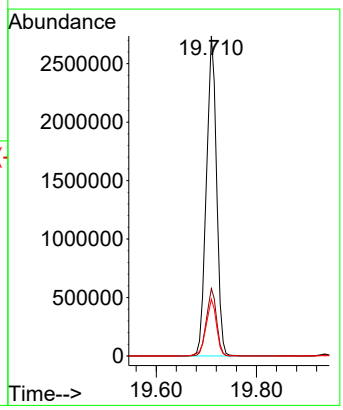


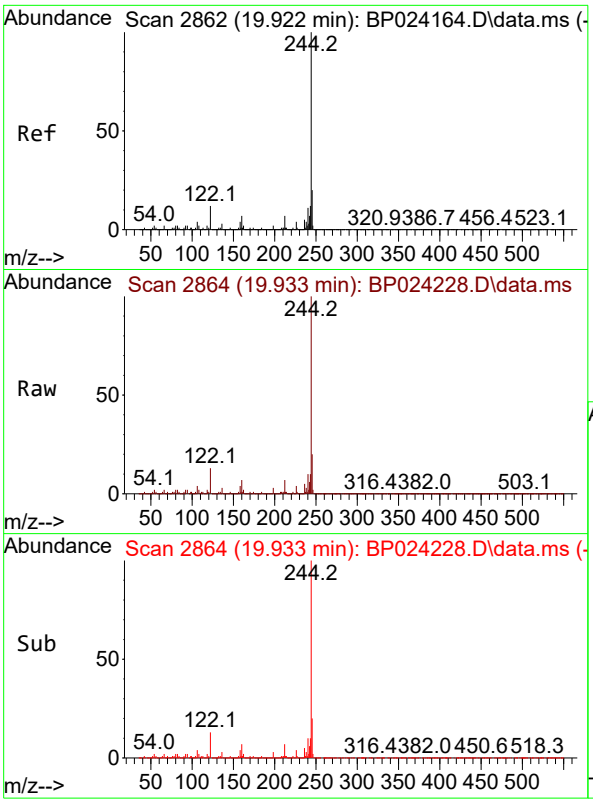


#78
Pyrene
Concen: 42.301 ng
RT: 19.710 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:202 Resp: 3866558

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.7	14.2	21.4



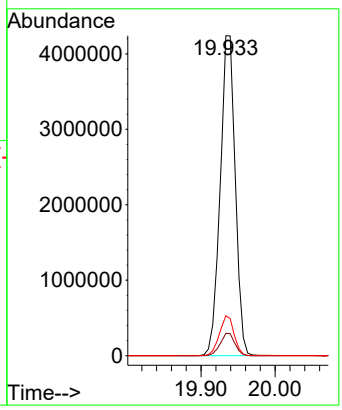


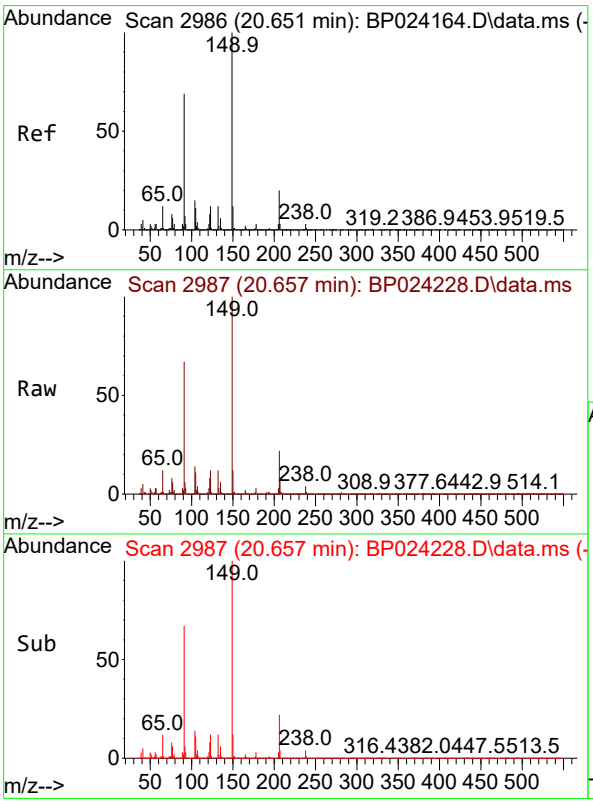
#79
Terphenyl-d14
Concen: 84.151 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 5993823

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	12.5	9.6	14.4

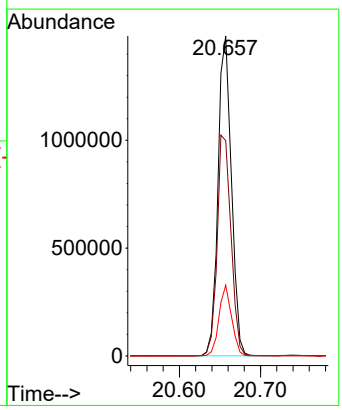


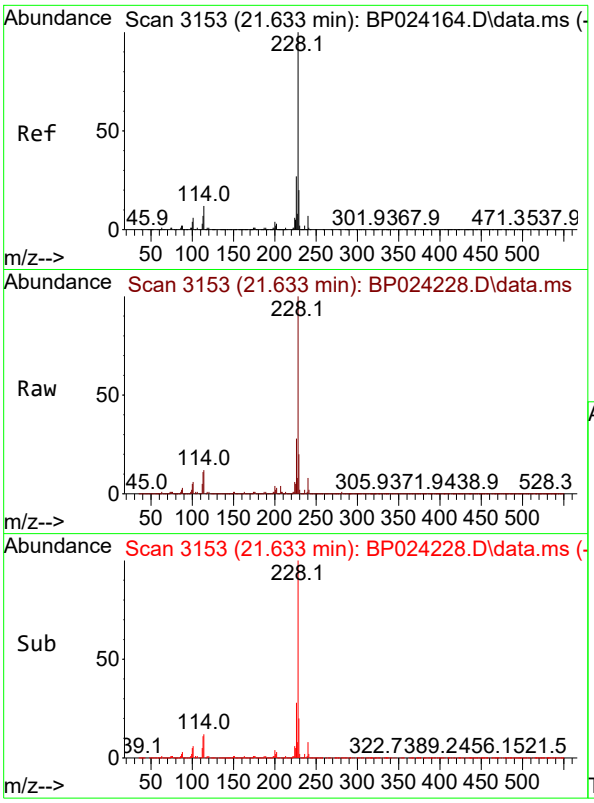


#80
Butylbenzylphthalate
Concen: 45.164 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 1702434

Ion	Ratio	Lower	Upper
149	100		
91	67.3	55.3	82.9
206	22.1	16.1	24.1



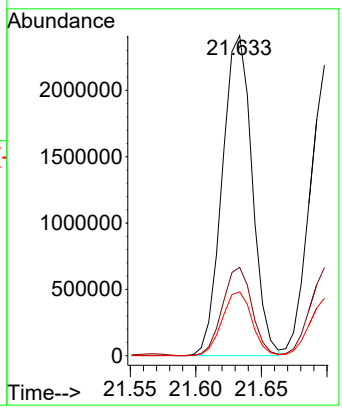


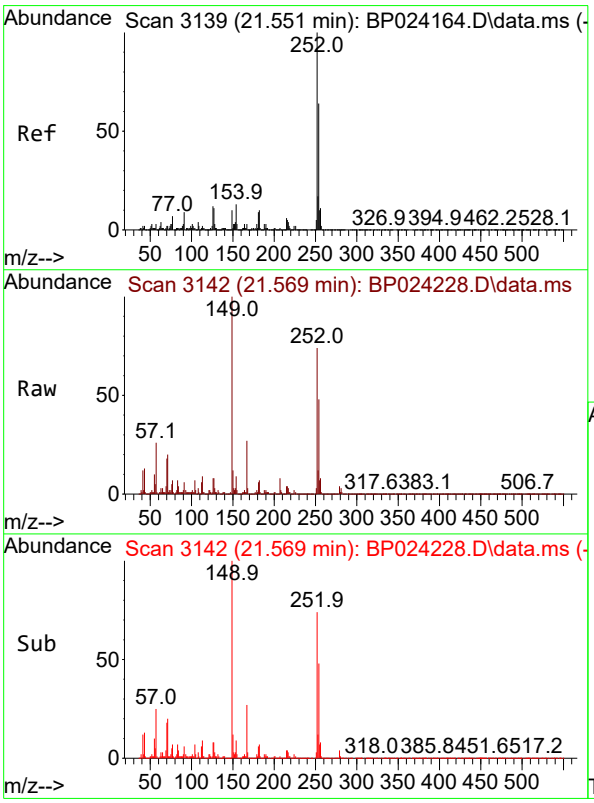
#81
Benzo(a)anthracene
Concen: 41.922 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3832104

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.0	16.0	24.0

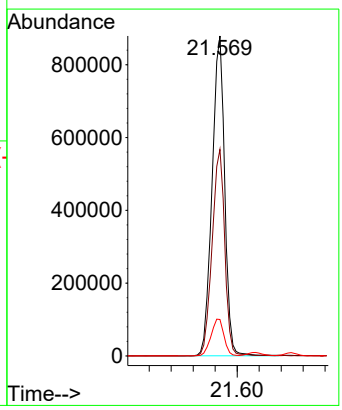


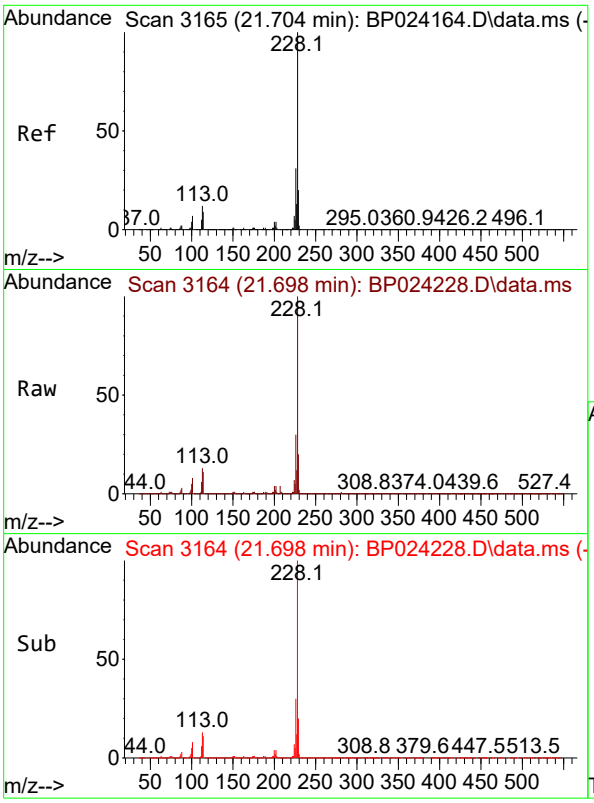


#82
3,3'-Dichlorobenzidine
Concen: 45.751 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 1401662

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.2
126	11.4	9.3	13.9



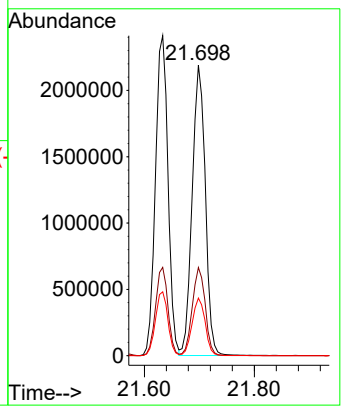


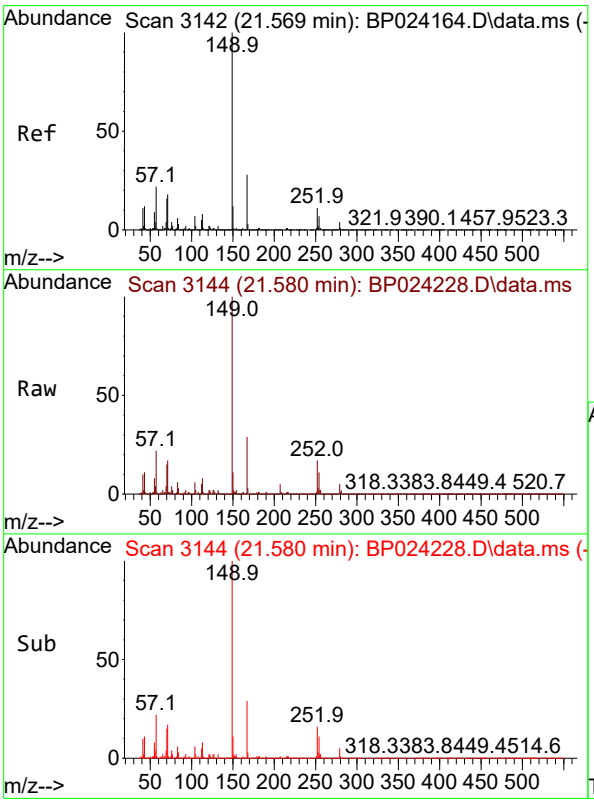
#83
Chrysene
Concen: 41.358 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3634359

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.8	16.2	24.2

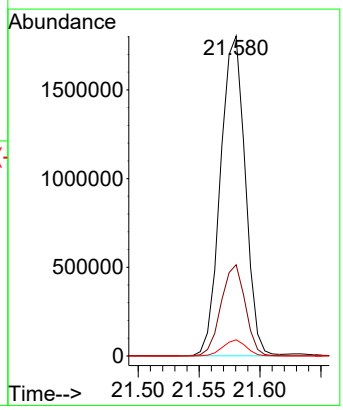


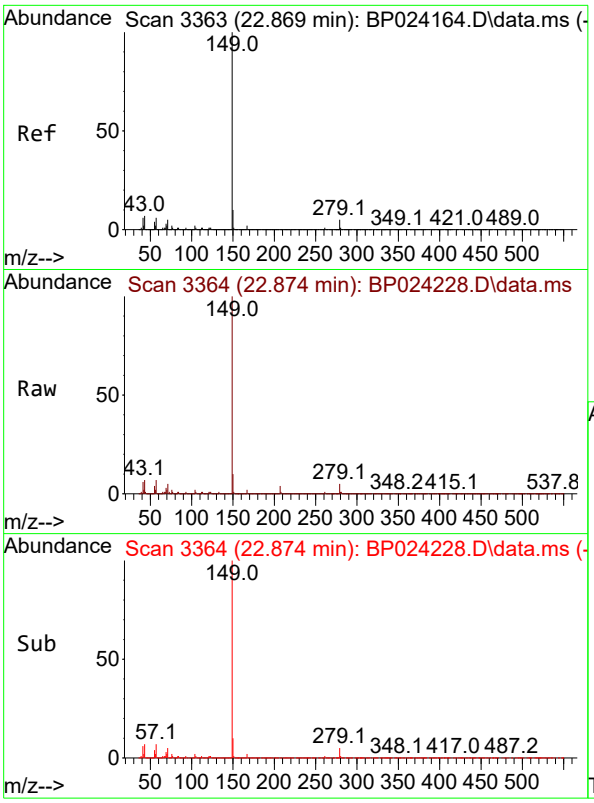


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.781 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2547023

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.5	33.7
279	5.1	3.6	5.4



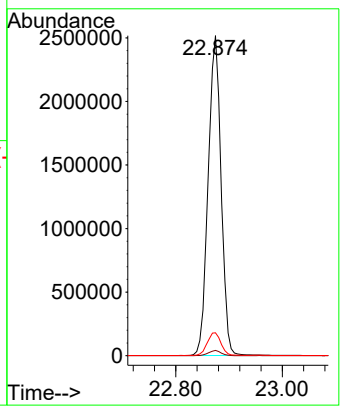


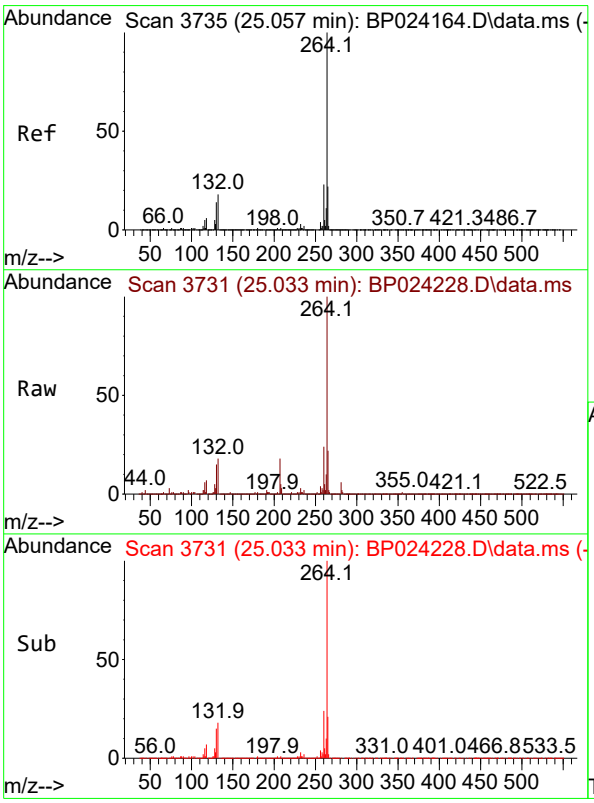
#85
Di-n-octyl phthalate
Concen: 46.485 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 4236142

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8

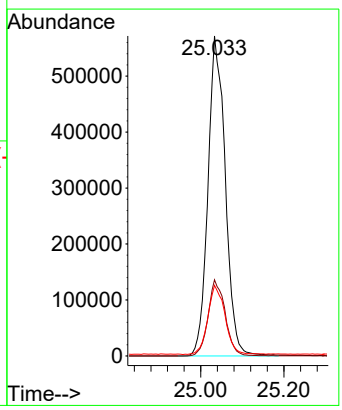


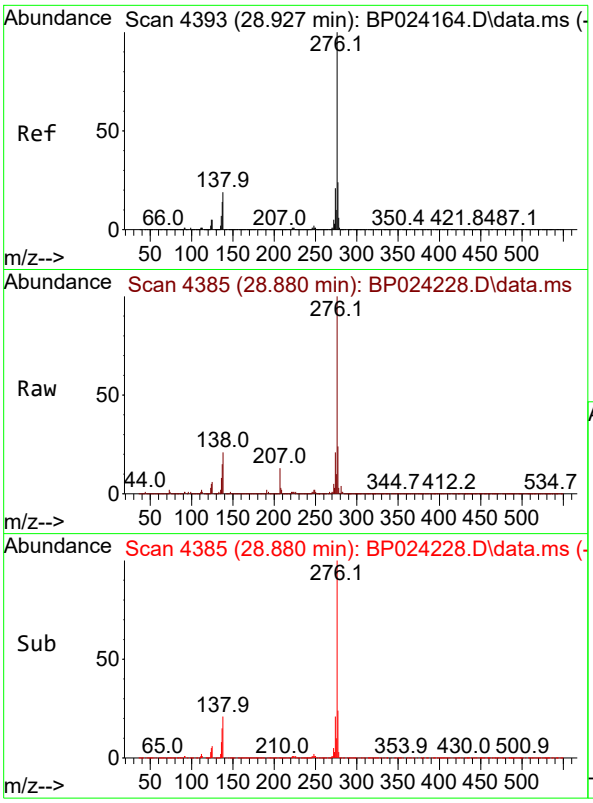


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. -0.024 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:264 Resp: 1654294

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	22.0	17.7	26.5



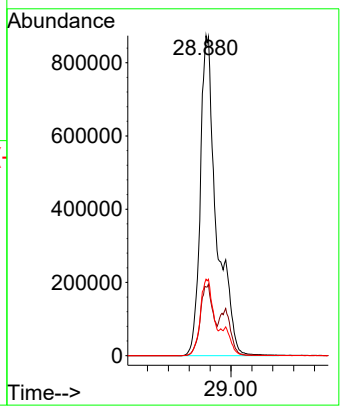


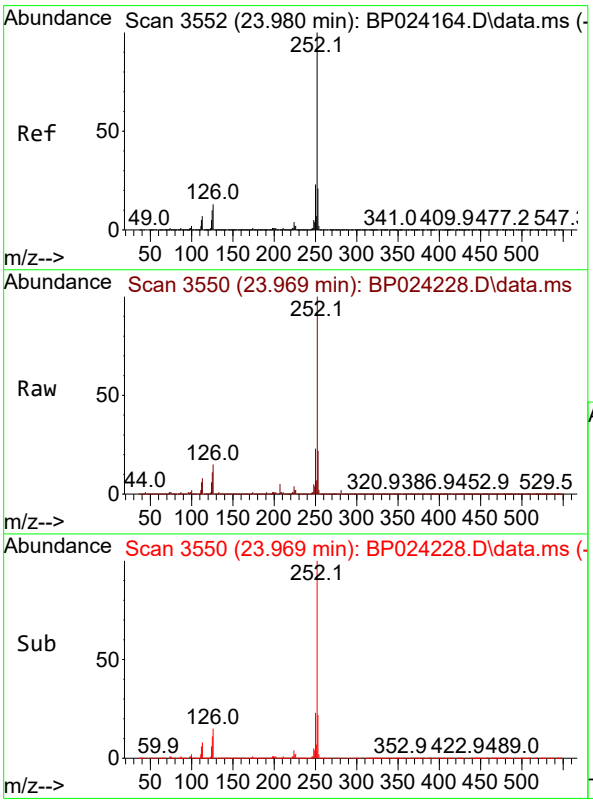
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.000 ng m
RT: 28.880 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 4733755

Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.7	20.5
277	19.2	20.2	30.2#

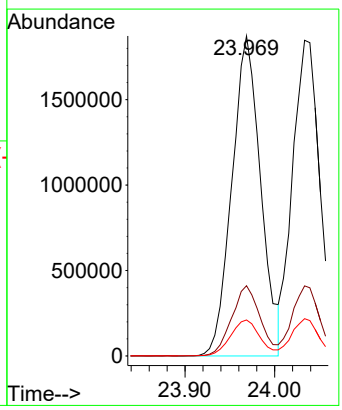


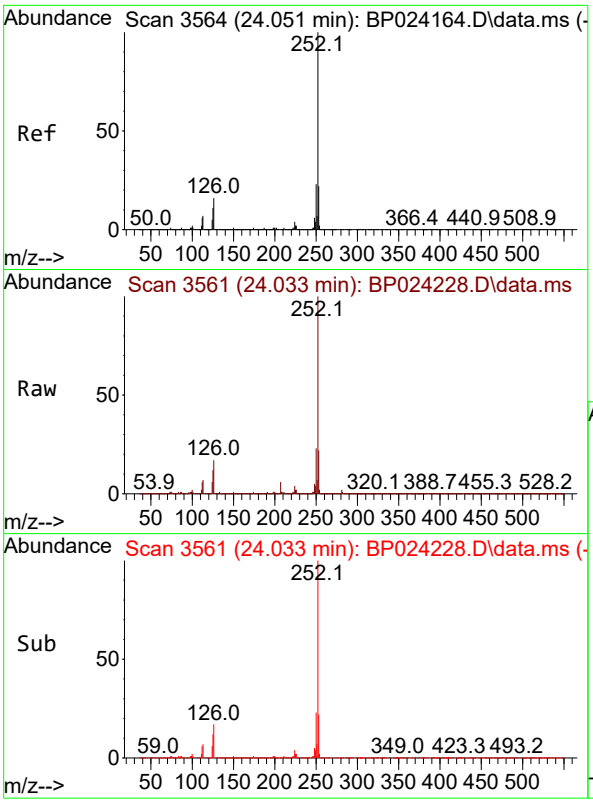


#88
Benzo(b)fluoranthene
Concen: 41.876 ng
RT: 23.969 min Scan# 3550
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 4176870

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.3	8.2	12.4



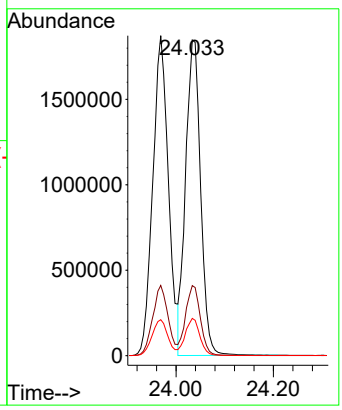


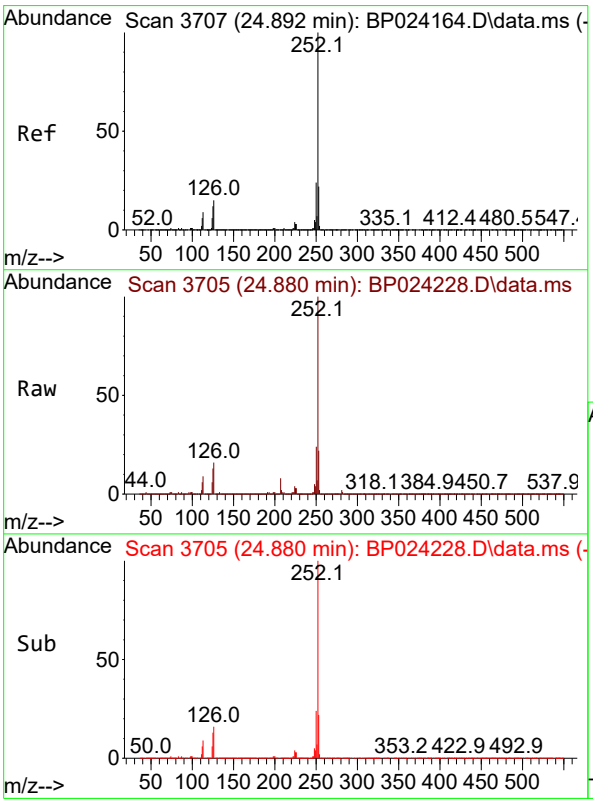
#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 24.033 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3945832

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.8	9.1	13.7

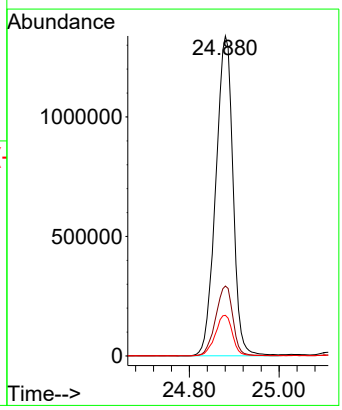


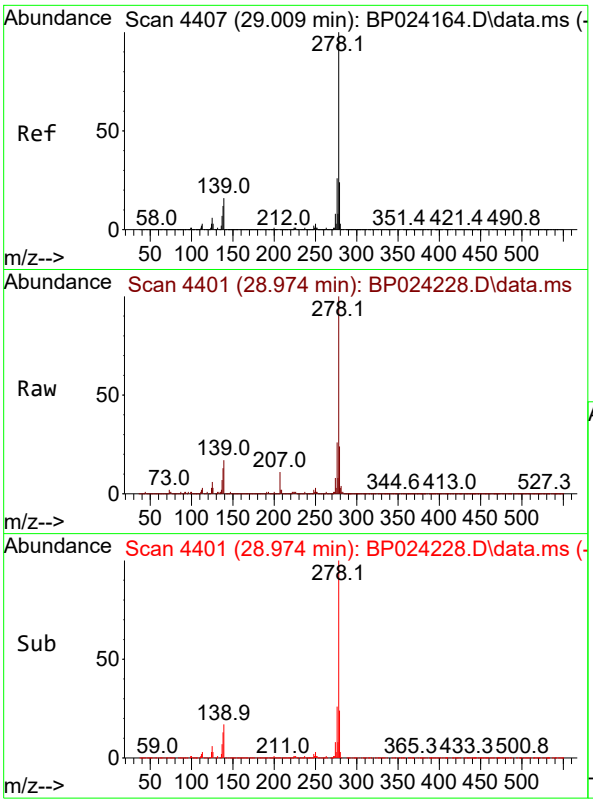


#90
Benzo(a)pyrene
Concen: 41.248 ng
RT: 24.880 min Scan# 3705
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 3577625

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	12.7	9.6	14.4



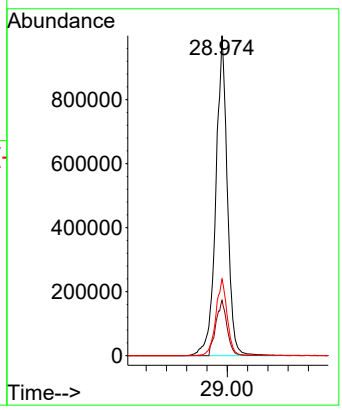


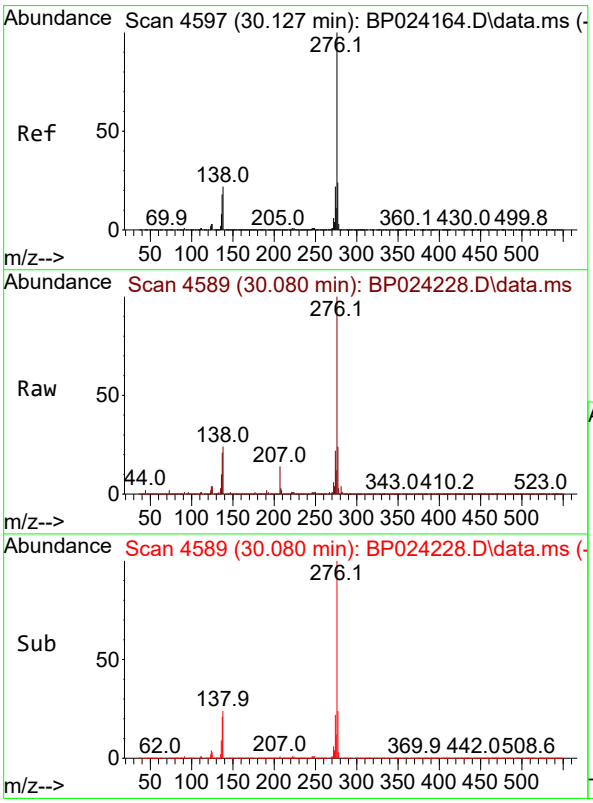
#91
Dibenzo(a,h)anthracene
Concen: 41.000 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3938270

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.0	19.4
279	23.9	18.8	28.2

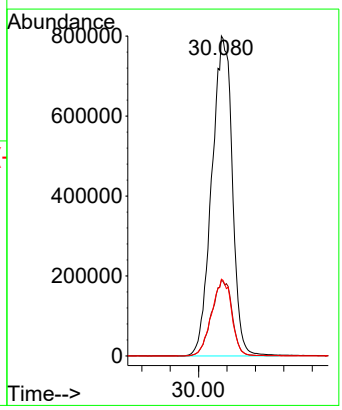




#92
Benzo(g,h,i)perylene
Concen: 41.010 ng
RT: 30.080 min Scan# 4589
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:276 Resp: 4004395

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	24.0	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

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	77	0.00
2		1,4-Dioxane	0.497	0.516	-3.8	84	0.00
3		Pyridine	1.358	1.429	-5.2	83	0.00
4		n-Nitrosodimethylamine	0.454	0.462	-1.8	82	0.00
5	S	2-Fluorophenol	1.253	1.307	-4.3	83	0.00
6		Aniline	1.527	1.597	-4.6	82	0.00
7	S	Phenol-d6	1.675	1.739	-3.8	82	0.00
8		2-Chlorophenol	1.353	1.387	-2.5	81	0.00
9		Benzaldehyde	0.809	0.769	4.9	76	0.00
10	C	Phenol	1.691	1.750	-3.5	82	0.00
11		bis(2-Chloroethyl)ether	1.334	1.368	-2.5	82	0.00
12		1,3-Dichlorobenzene	1.459	1.483	-1.6	82	0.00
13	C	1,4-Dichlorobenzene	1.490	1.504	-0.9	82	0.00
14		1,2-Dichlorobenzene	1.430	1.430	0.0	81	0.00
15		Benzyl Alcohol	1.061	1.115	-5.1	82	0.00
16		2,2'-oxybis(1-Chloropropane	1.361	1.437	-5.6	85	-0.01
17		2-Methylphenol	1.061	1.121	-5.7	83	0.00
18		Hexachloroethane	0.529	0.541	-2.3	82	0.00
19	P	n-Nitroso-di-n-propylamine	0.972	1.033	-6.3	82	0.00
20		3+4-Methylphenols	1.457	1.527	-4.8	82	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	76	0.00
22		Acetophenone	0.506	0.525	-3.8	81	0.00
23	S	Nitrobenzene-d5	0.354	0.378	-6.8	82	0.00
24		Nitrobenzene	0.350	0.372	-6.3	83	0.00
25		Isophorone	0.608	0.657	-8.1	83	0.00
26	C	2-Nitrophenol	0.167	0.185	-10.8	82	0.00
27		2,4-Dimethylphenol	0.215	0.225	-4.7	80	0.00
28		bis(2-Chloroethoxy)methane	0.427	0.449	-5.2	82	0.00
29	C	2,4-Dichlorophenol	0.291	0.311	-6.9	80	0.00
30		1,2,4-Trichlorobenzene	0.321	0.325	-1.2	79	0.00
31		Naphthalene	1.060	1.100	-3.8	81	0.00
32		Benzoic acid	0.209	0.255	-22.0	89	-0.01
33		4-Chloroaniline	0.379	0.401	-5.8	81	0.00
34	C	Hexachlorobutadiene	0.185	0.185	0.0	79	0.00
35		Caprolactam	0.095	0.110	-15.8	86	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.341	-8.9	83	0.00
37		2-Methylnaphthalene	0.716	0.745	-4.1	81	0.00
38		1-Methylnaphthalene	0.697	0.719	-3.2	81	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.583	-0.9	80	0.00
41	P	Hexachlorocyclopentadiene	0.208	0.215	-3.4	78	0.00
42	S	2,4,6-Tribromophenol	0.252	0.271	-7.5	82	0.01
43	C	2,4,6-Trichlorophenol	0.367	0.387	-5.4	80	0.00
44		2,4,5-Trichlorophenol	0.403	0.426	-5.7	80	0.00
45	S	2-Fluorobiphenyl	1.356	1.365	-0.7	79	0.00
46		1,1'-Biphenyl	1.503	1.538	-2.3	81	0.00
47		2-Chloronaphthalene	1.130	1.141	-1.0	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

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	86	0.00
49		Acenaphthylene	1.710	1.788	-4.6	82	0.00
50		Dimethylphthalate	1.399	1.466	-4.8	83	0.00
51		2,6-Dinitrotoluene	0.294	0.319	-8.5	83	0.00
52	C	Acenaphthene	1.093	1.131	-3.5	82	0.00
53		3-Nitroaniline	0.318	0.355	-11.6	84	0.00
54	P	2,4-Dinitrophenol	0.156	0.179	-14.7	86	0.00
55		Dibenzofuran	1.770	1.819	-2.8	81	0.00
56	P	4-Nitrophenol	0.266	0.308	-15.8	85	0.00
57		2,4-Dinitrotoluene	0.389	0.439	-12.9	85	0.00
58		Fluorene	1.379	1.420	-3.0	81	0.00
59		2,3,4,6-Tetrachlorophenol	0.356	0.377	-5.9	81	0.00
60		Diethylphthalate	1.394	1.496	-7.3	84	0.01
61		4-Chlorophenyl-phenylether	0.676	0.681	-0.7	79	0.01
62		4-Nitroaniline	0.334	0.374	-12.0	83	0.00
63		Azobenzene	1.314	1.424	-8.4	84	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.02
65		4,6-Dinitro-2-methylphenol	0.119	0.126	-5.9	84	0.00
66	c	n-Nitrosodiphenylamine	0.607	0.626	-3.1	84	0.01
67		4-Bromophenyl-phenylether	0.220	0.220	0.0	81	0.00
68		Hexachlorobenzene	0.260	0.261	-0.4	82	0.01
69		Atrazine	0.147	0.157	-6.8	93	0.01
70	C	Pentachlorophenol	0.168	0.183	-8.9	83	0.02
71		Phenanthrene	1.093	1.117	-2.2	83	0.02
72		Anthracene	1.064	1.101	-3.5	83	0.00
73		Carbazole	1.026	1.092	-6.4	84	0.01
74		Di-n-butylphthalate	1.218	1.345	-10.4	86	0.01
75	C	Fluoranthene	1.265	1.339	-5.8	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77		Benzidine	0.219	0.416	-90.0#	126	0.01
78		Pyrene	1.243	1.315	-5.8	85	0.00
79	S	Terphenyl-d14	0.969	1.019	-5.2	84	0.01
80		Butylbenzylphthalate	0.513	0.579	-12.9	86	0.00
81		Benzo(a)anthracene	1.243	1.303	-4.8	84	0.00
82		3,3'-Dichlorobenzidine	0.417	0.477	-14.4	87	0.02
83		Chrysene	1.195	1.236	-3.4	83	0.00
84		Bis(2-ethylhexyl)phthalate	0.774	0.866	-11.9	85	0.01
85	c	Di-n-octyl phthalate	1.240	1.441	-16.2	88	0.00
86	I	Perylene-d12	1.000	1.000	0.0	81	-0.02
87		Indeno(1,2,3-cd)pyrene	1.396	1.431	-2.5	85	-0.05
88		Benzo(b)fluoranthene	1.206	1.262	-4.6	86	-0.01
89		Benzo(k)fluoranthene	1.180	1.193	-1.1	85	-0.02
90	C	Benzo(a)pyrene	1.049	1.081	-3.1	85	-0.01
91		Dibenzo(a,h)anthracene	1.161	1.190	-2.5	85	-0.04
92		Benzo(g,h,i)perylene	1.180	1.210	-2.5	85	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

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	77	0.00
2		1,4-Dioxane	40.000	41.527	-3.8	84	0.00
3		Pyridine	40.000	42.089	-5.2	83	0.00
4		n-Nitrosodimethylamine	40.000	40.754	-1.9	82	0.00
5	S	2-Fluorophenol	80.000	83.438	-4.3	83	0.00
6		Aniline	40.000	41.835	-4.6	82	0.00
7	S	Phenol-d6	80.000	83.042	-3.8	82	0.00
8		2-Chlorophenol	40.000	40.993	-2.5	81	0.00
9		Benzaldehyde	40.000	38.053	4.9	76	0.00
10	C	Phenol	40.000	41.378	-3.4	82	0.00
11		bis(2-Chloroethyl)ether	40.000	41.038	-2.6	82	0.00
12		1,3-Dichlorobenzene	40.000	40.649	-1.6	82	0.00
13	C	1,4-Dichlorobenzene	40.000	40.368	-0.9	82	0.00
14		1,2-Dichlorobenzene	40.000	39.998	0.0	81	0.00
15		Benzyl Alcohol	40.000	42.039	-5.1	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.222	-5.6	85	-0.01
17		2-Methylphenol	40.000	42.275	-5.7	83	0.00
18		Hexachloroethane	40.000	40.961	-2.4	82	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.523	-6.3	82	0.00
20		3+4-Methylphenols	40.000	41.913	-4.8	82	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	76	0.00
22		Acetophenone	40.000	41.530	-3.8	81	0.00
23	S	Nitrobenzene-d5	80.000	85.391	-6.7	82	0.00
24		Nitrobenzene	40.000	42.572	-6.4	83	0.00
25		Isophorone	40.000	43.243	-8.1	83	0.00
26	C	2-Nitrophenol	40.000	44.182	-10.5	82	0.00
27		2,4-Dimethylphenol	40.000	41.973	-4.9	80	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.043	-5.1	82	0.00
29	C	2,4-Dichlorophenol	40.000	42.809	-7.0	80	0.00
30		1,2,4-Trichlorobenzene	40.000	40.549	-1.4	79	0.00
31		Naphthalene	40.000	41.488	-3.7	81	0.00
32		Benzoic acid	40.000	48.635	-21.6	89	-0.01
33		4-Chloroaniline	40.000	42.261	-5.7	81	0.00
34	C	Hexachlorobutadiene	40.000	40.101	-0.3	79	0.00
35		Caprolactam	40.000	46.011	-15.0	86	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.485	-8.7	83	0.00
37		2-Methylnaphthalene	40.000	41.629	-4.1	81	0.00
38		1-Methylnaphthalene	40.000	41.312	-3.3	81	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	77	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.347	-0.9	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.311	-3.3	78	0.00
42	S	2,4,6-Tribromophenol	80.000	86.150	-7.7	82	0.01
43	C	2,4,6-Trichlorophenol	40.000	42.177	-5.4	80	0.00
44		2,4,5-Trichlorophenol	40.000	42.299	-5.7	80	0.00
45	S	2-Fluorobiphenyl	80.000	80.493	-0.6	79	0.00
46		1,1'-Biphenyl	40.000	40.942	-2.4	81	0.00
47		2-Chloronaphthalene	40.000	40.362	-0.9	80	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

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	45.470	-13.7	86	0.00
49		Acenaphthylene	40.000	41.802	-4.5	82	0.00
50		Dimethylphthalate	40.000	41.901	-4.8	83	0.00
51		2,6-Dinitrotoluene	40.000	43.271	-8.2	83	0.00
52	C	Acenaphthene	40.000	41.411	-3.5	82	0.00
53		3-Nitroaniline	40.000	44.593	-11.5	84	0.00
54	P	2,4-Dinitrophenol	40.000	45.859	-14.6	86	0.00
55		Dibenzofuran	40.000	41.102	-2.8	81	0.00
56	P	4-Nitrophenol	40.000	46.371	-15.9	85	0.00
57		2,4-Dinitrotoluene	40.000	45.191	-13.0	85	0.00
58		Fluorene	40.000	41.183	-3.0	81	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.344	-5.9	81	0.00
60		Diethylphthalate	40.000	42.942	-7.4	84	0.01
61		4-Chlorophenyl-phenylether	40.000	40.284	-0.7	79	0.01
62		4-Nitroaniline	40.000	44.847	-12.1	83	0.00
63		Azobenzene	40.000	43.353	-8.4	84	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.395	-6.0	84	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.235	-3.1	84	0.01
67		4-Bromophenyl-phenylether	40.000	40.028	-0.1	81	0.00
68		Hexachlorobenzene	40.000	40.119	-0.3	82	0.01
69		Atrazine	40.000	42.859	-7.1	93	0.01
70	C	Pentachlorophenol	40.000	43.456	-8.6	83	0.02
71		Phenanthrene	40.000	40.902	-2.3	83	0.02
72		Anthracene	40.000	41.398	-3.5	83	0.00
73		Carbazole	40.000	42.549	-6.4	84	0.01
74		Di-n-butylphthalate	40.000	44.147	-10.4	86	0.01
75	C	Fluoranthene	40.000	42.341	-5.9	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77		Benzidine	40.000	76.030	-90.1#	126	0.01
78		Pyrene	40.000	42.301	-5.8	85	0.00
79	S	Terphenyl-d14	80.000	84.151	-5.2	84	0.01
80		Butylbenzylphthalate	40.000	45.164	-12.9	86	0.00
81		Benzo(a)anthracene	40.000	41.922	-4.8	84	0.00
82		3,3'-Dichlorobenzidine	40.000	45.751	-14.4	87	0.02
83		Chrysene	40.000	41.358	-3.4	83	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.781	-12.0	85	0.01
85	c	Di-n-octyl phthalate	40.000	46.485	-16.2	88	0.00
86	I	Perylene-d12	20.000	20.000	0.0	81	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.000	-2.5	85	-0.05
88		Benzo(b)fluoranthene	40.000	41.876	-4.7	86	-0.01
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	85	-0.02
90	C	Benzo(a)pyrene	40.000	41.248	-3.1	85	-0.01
91		Dibenzo(a,h)anthracene	40.000	41.000	-2.5	85	-0.04
92		Benzo(g,h,i)perylene	40.000	41.010	-2.5	85	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 12:20:58 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_P Calibration Date/Time: 04/10/2025 09:46

Lab File ID: BP024245.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	1.360		0.1	
2-Fluorophenol	1.253	1.288		2.8	
Phenol-d6	1.675	1.722		2.8	
1,4-Dichlorobenzene	1.490	1.507		1.1	20.0
2-Methylphenol	1.061	1.118		5.4	
3+4-Methylphenols	1.457	1.542		5.8	
Nitrobenzene-d5	0.354	0.366		3.4	
Hexachloroethane	0.529	0.538		1.7	
Nitrobenzene	0.350	0.364		4.0	
Hexachlorobutadiene	0.185	0.191		3.2	20.0
2,4,6-Trichlorophenol	0.367	0.401		9.3	20.0
2-Fluorobiphenyl	1.356	1.375		1.4	
2,4,5-Trichlorophenol	0.403	0.437		8.4	
2,4-Dinitrotoluene	0.389	0.440		13.1	
2,4,6-Tribromophenol	0.252	0.289		14.7	
Hexachlorobenzene	0.260	0.272		4.6	
Pentachlorophenol	0.168	0.196		16.7	20.0
Terphenyl-d14	0.969	1.006		3.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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	7.746	152	322953	20.000	ng		0.00
21) Naphthalene-d8	10.528	136	1317784	20.000	ng		0.00
39) Acenaphthene-d10	14.392	164	792808	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1512089	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1553360	20.000	ng		0.00
86) Perylene-d12	25.009	264	1762598	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1663996	82.248	ng		0.00
7) Phenol-d6	6.928	99	2224675	82.228	ng		0.00
23) Nitrobenzene-d5	8.893	82	1928757	82.580	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	916378	91.762	ng		0.00
45) 2-Fluorobiphenyl	12.998	172	4361802	81.124	ng		0.00
79) Terphenyl-d14	19.916	244	6251322	83.072	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	317274	39.562	ng		98
3) Pyridine	3.699	79	878247	40.059	ng		99
4) n-Nitrosodimethylamine	3.605	42	296971	40.550	ng		98
6) Aniline	7.081	93	1033633	41.933	ng		99
8) 2-Chlorophenol	7.316	128	898244	41.104	ng		98
9) Benzaldehyde	6.899	77	487196	37.315	ng		99
10) Phenol	6.957	94	1111148	40.683	ng		100
11) bis(2-Chloroethyl)ether	7.175	93	868445	40.321	ng		99
12) 1,3-Dichlorobenzene	7.634	146	955885	40.562	ng		99
13) 1,4-Dichlorobenzene	7.781	146	973547	40.461	ng		99
14) 1,2-Dichlorobenzene	8.099	146	932097	40.368	ng		99
15) Benzyl Alcohol	7.987	79	738749	43.130	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.263	45	914091	41.583	ng		97
17) 2-Methylphenol	8.187	107	722321	42.175	ng		99
18) Hexachloroethane	8.822	117	347698	40.730	ng		96
19) n-Nitroso-di-n-propyla...	8.546	70	658424	41.949	ng		99
20) 3+4-Methylphenols	8.516	107	995787	42.320	ng		99
22) Acetophenone	8.563	105	1355481	40.685	ng	#	99
24) Nitrobenzene	8.934	77	960124	41.671	ng		100
25) Isophorone	9.463	82	1703432	42.547	ng		99
26) 2-Nitrophenol	9.646	139	500483	45.474	ng		99
27) 2,4-Dimethylphenol	9.710	122	594202	41.987	ng		98
28) bis(2-Chloroethoxy)met...	9.940	93	1137398	40.382	ng		100
29) 2,4-Dichlorophenol	10.181	162	814063	42.522	ng		100
30) 1,2,4-Trichlorobenzene	10.387	180	860235	40.670	ng		100
31) Naphthalene	10.581	128	2856444	40.891	ng		100
32) Benzoic acid	9.851	122	691798	50.123	ng		98
33) 4-Chloroaniline	10.687	127	1051754	42.073	ng		100
34) Hexachlorobutadiene	10.863	225	504623	41.454	ng		99
35) Caprolactam	11.475	113	282742	45.063	ng		99
36) 4-Chloro-3-methylphenol	11.822	107	900969	43.625	ng		100
37) 2-Methylnaphthalene	12.192	142	1941032	41.131	ng		99
38) 1-Methylnaphthalene	12.410	142	1890383	41.185	ng		100
40) 1,2,4,5-Tetrachloroben...	12.563	216	937630	40.913	ng		100
41) Hexachlorocyclopentadiene	12.545	237	349194	42.270	ng		99
43) 2,4,6-Trichlorophenol	12.804	196	635900	43.661	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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

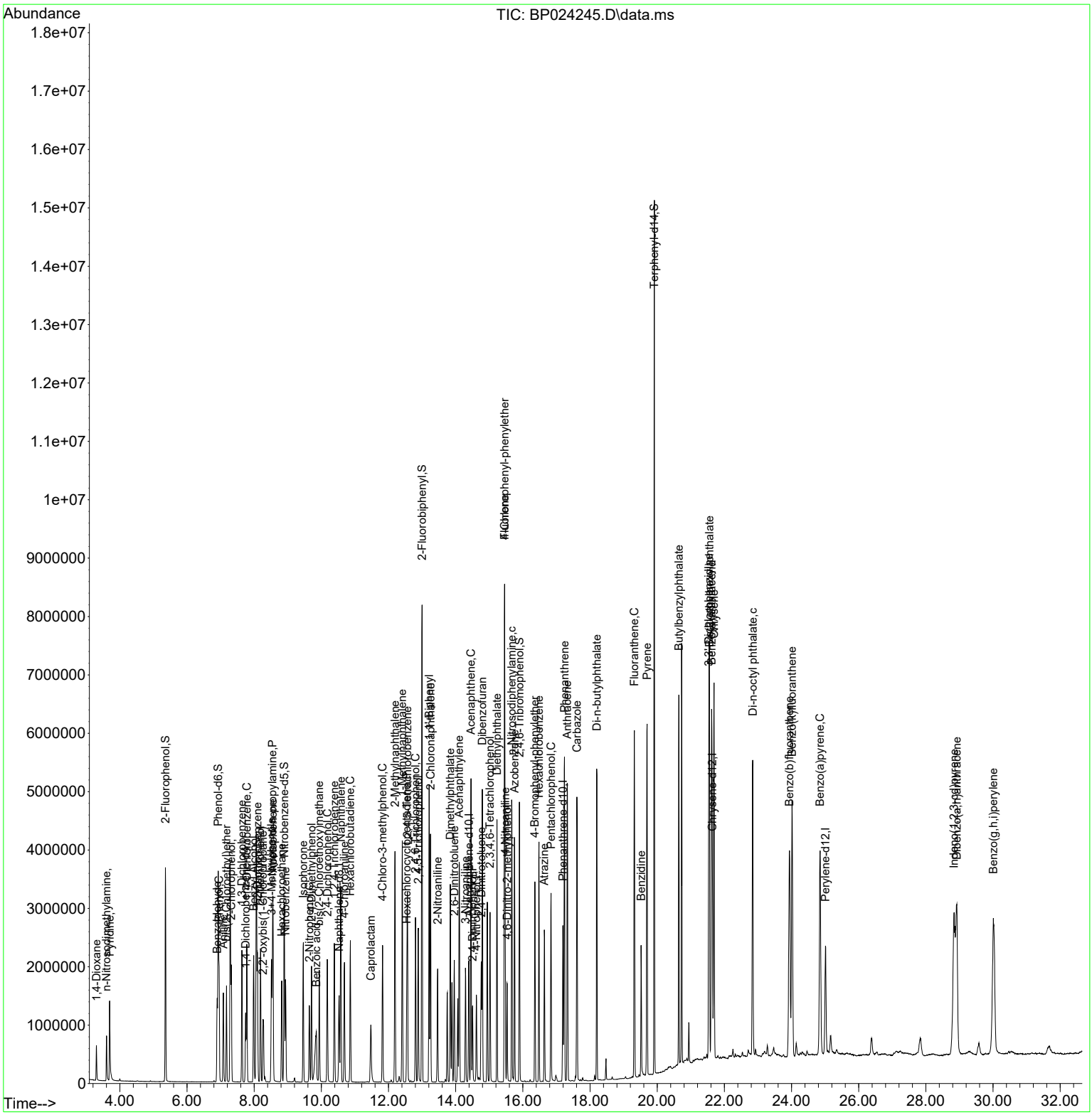
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	693624	43.426	ng		99
46) 1,1'-Biphenyl	13.210	154	2450643	41.135	ng		99
47) 2-Chloronaphthalene	13.251	162	1845112	41.175	ng		99
48) 2-Nitroaniline	13.463	65	519593	45.334	ng		99
49) Acenaphthylene	14.104	152	2875894	42.414	ng		100
50) Dimethylphthalate	13.839	163	2310321	41.647	ng		100
51) 2,6-Dinitrotoluene	13.957	165	506104	43.361	ng		99
52) Acenaphthene	14.457	154	1772003	40.903	ng		100
53) 3-Nitroaniline	14.292	138	543780	43.135	ng		98
54) 2,4-Dinitrophenol	14.504	184	297121	48.109	ng		99
55) Dibenzofuran	14.792	168	2902971	41.368	ng		98
56) 4-Nitrophenol	14.616	139	477043	45.287	ng		98
57) 2,4-Dinitrotoluene	14.763	165	697046	45.211	ng		94
58) Fluorene	15.457	166	2222287	40.645	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.022	232	610555	43.265	ng		99
60) Diethylphthalate	15.228	149	2367427	42.855	ng		100
61) 4-Chlorophenyl-phenyle...	15.457	204	1073818	40.043	ng		98
62) 4-Nitroaniline	15.475	138	579400	43.821	ng		99
63) Azobenzene	15.751	77	2182266	41.912	ng		99
65) 4,6-Dinitro-2-methylph...	15.533	198	403124	44.908	ng		99
66) n-Nitrosodiphenylamine	15.669	169	1896523	41.303	ng		99
67) 4-Bromophenyl-phenylether	16.357	248	703604	42.382	ng		99
68) Hexachlorobenzene	16.480	284	821506	41.808	ng		98
69) Atrazine	16.639	200	493895	44.564	ng		98
70) Pentachlorophenol	16.839	266	593155	46.679	ng		99
71) Phenanthrene	17.239	178	3367198	40.763	ng		99
72) Anthracene	17.322	178	3338895	41.501	ng		100
73) Carbazole	17.610	167	3232369	41.661	ng		99
74) Di-n-butylphthalate	18.204	149	4065165	44.136	ng		99
75) Fluoranthene	19.321	202	3952330	41.312	ng		99
77) Benzidine	19.521	184	1226948	72.243	ng		99
78) Pyrene	19.698	202	4081765	42.267	ng		100
80) Butylbenzylphthalate	20.645	149	1880429	47.218	ng		98
81) Benzo(a)anthracene	21.621	228	4003511	41.454	ng		100
82) 3,3'-Dichlorobenzidine	21.539	252	1504299	46.475	ng		100
83) Chrysene	21.692	228	3795154	40.878	ng		99
84) Bis(2-ethylhexyl)phtha...	21.557	149	2752546	45.806	ng	#	99
85) Di-n-octyl phthalate	22.845	149	4728701	49.115	ng		100
87) Indeno(1,2,3-cd)pyrene	28.839	276	5097812	41.440	ng		94
88) Benzo(b)fluoranthene	23.939	252	4369312	41.114	ng		98
89) Benzo(k)fluoranthene	24.015	252	4169608	40.109	ng		100
90) Benzo(a)pyrene	24.851	252	3811205	41.241	ng		100
91) Dibenzo(a,h)anthracene	28.921	278	4203848	41.076	ng		99
92) Benzo(g,h,i)perylene	30.009	276	4239375	40.749	ng		98

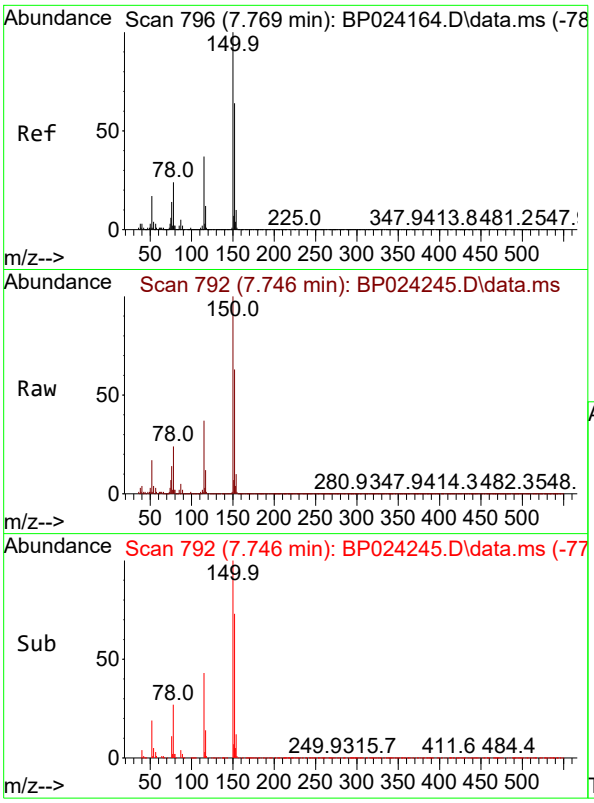
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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



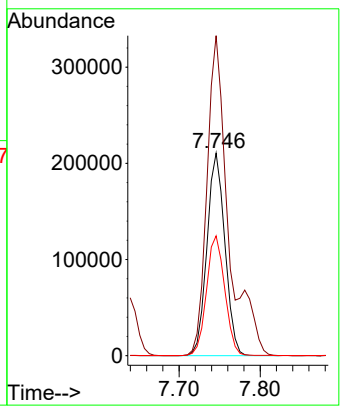


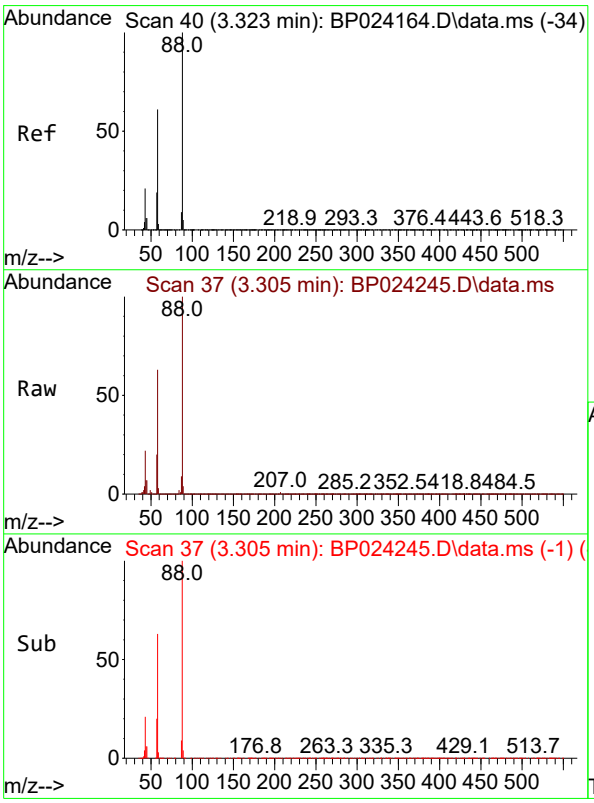
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 322953

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.5	188.3
115	59.2	46.3	69.5

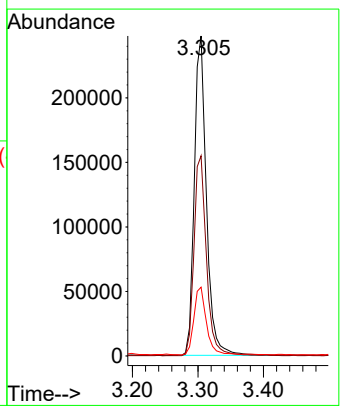


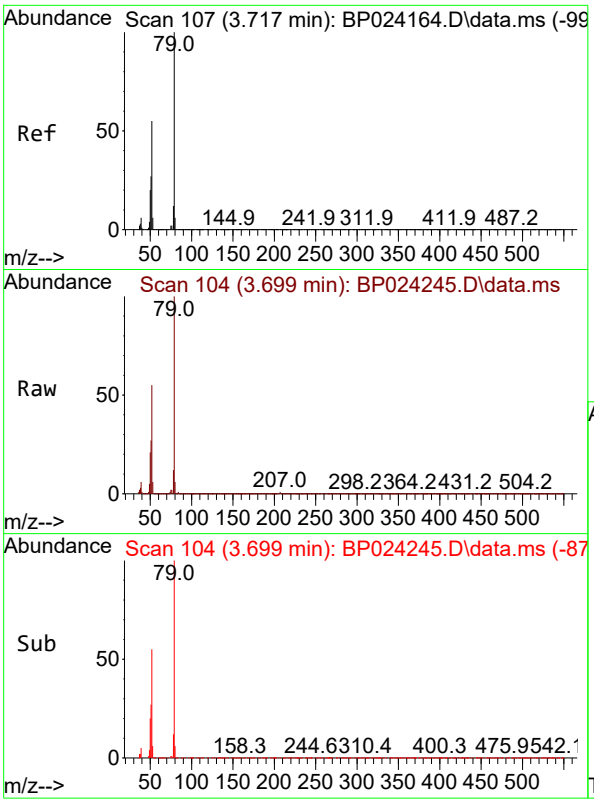


#2
1,4-Dioxane
Concen: 39.562 ng
RT: 3.305 min Scan# 37
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 88 Resp: 317274

Ion	Ratio	Lower	Upper
88	100		
58	64.6	49.8	74.6
43	21.7	17.3	25.9



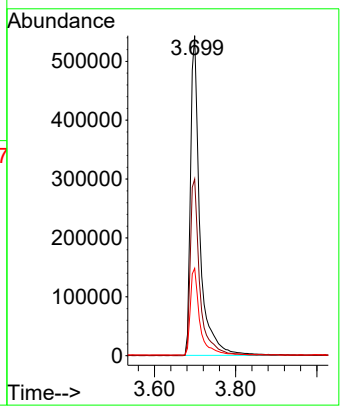


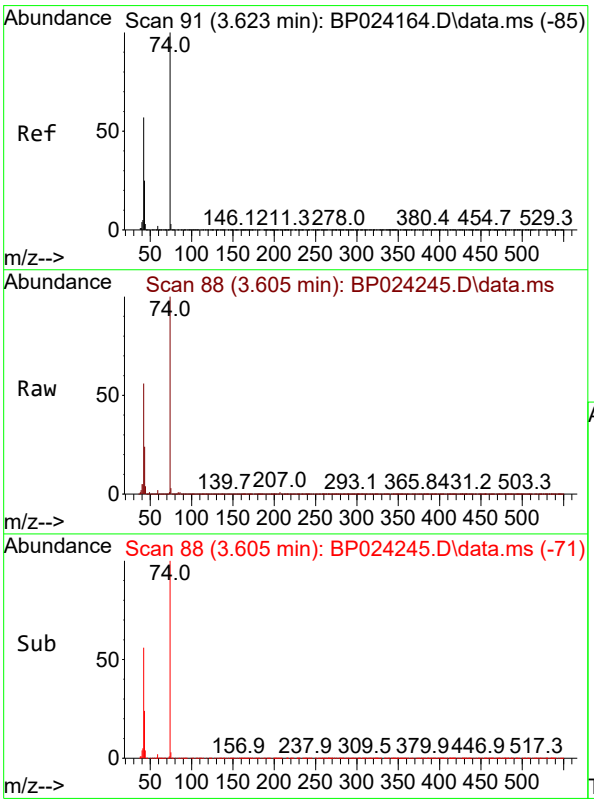
#3
Pyridine
Concen: 40.059 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 878247

Ion	Ratio	Lower	Upper
79	100		
52	55.2	43.8	65.8
51	27.3	21.6	32.4

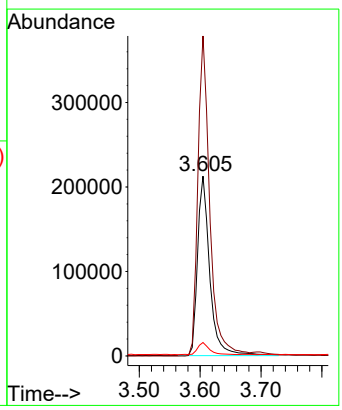


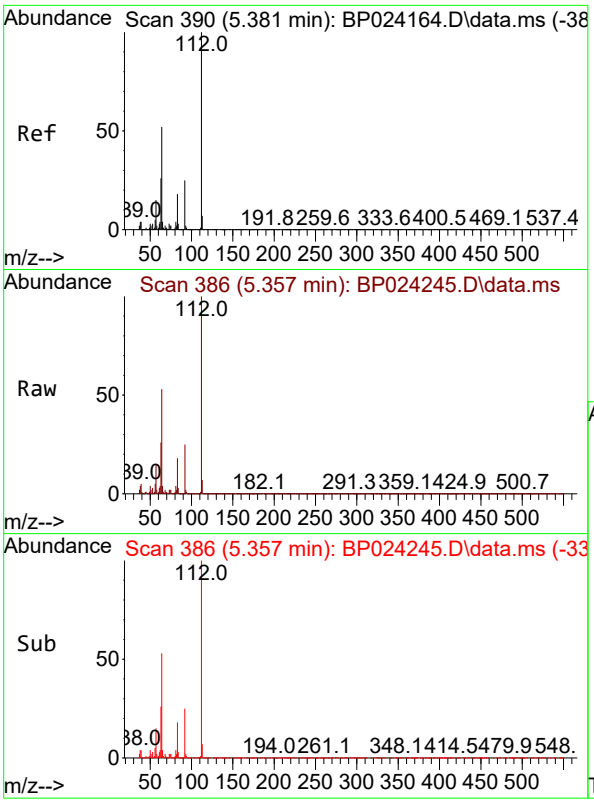


#4
n-Nitrosodimethylamine
Concen: 40.550 ng
RT: 3.605 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 42 Resp: 296971

Ion	Ratio	Lower	Upper
42	100		
74	178.0	139.8	209.6
44	7.5	5.3	7.9



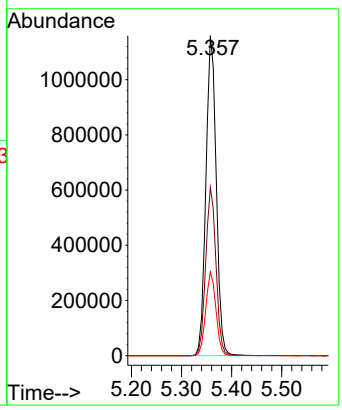


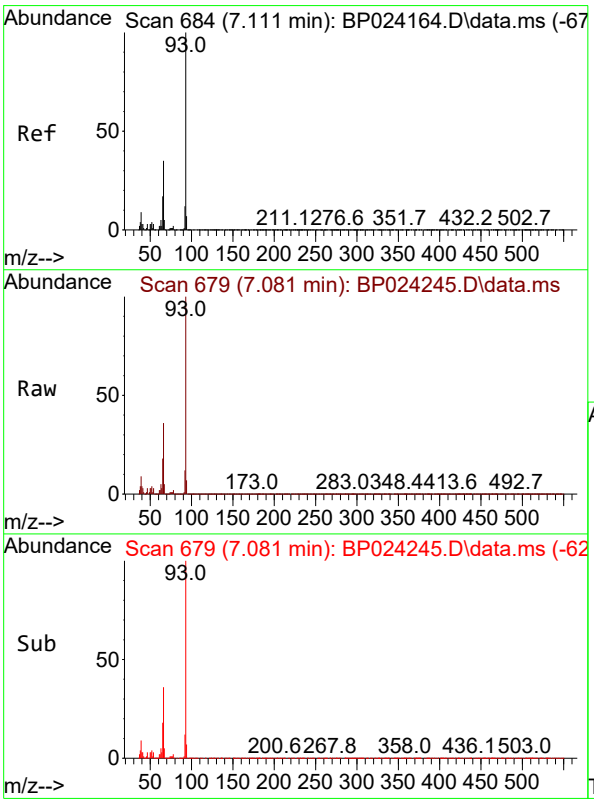
#5
2-Fluorophenol
Concen: 82.248 ng
RT: 5.357 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1663996

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

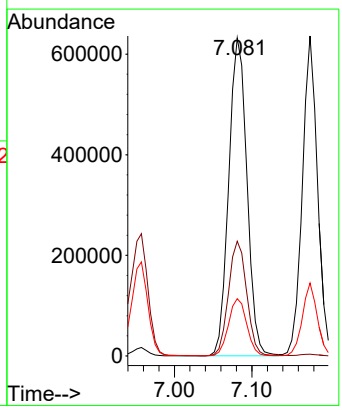


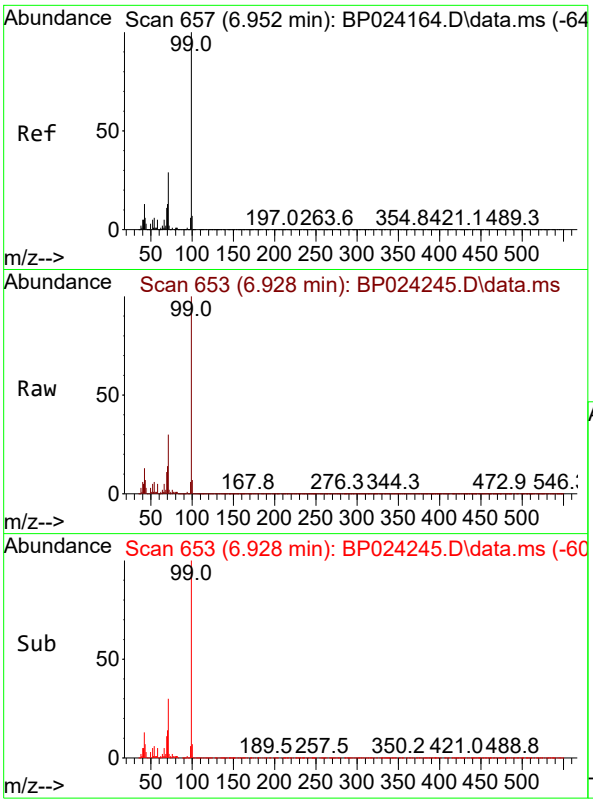


#6
Aniline
Concen: 41.933 ng
RT: 7.081 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 93 Resp: 1033633

Ion	Ratio	Lower	Upper
93	100		
66	36.1	28.2	42.2
65	18.0	14.0	21.0



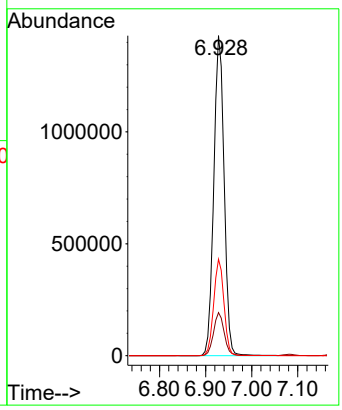


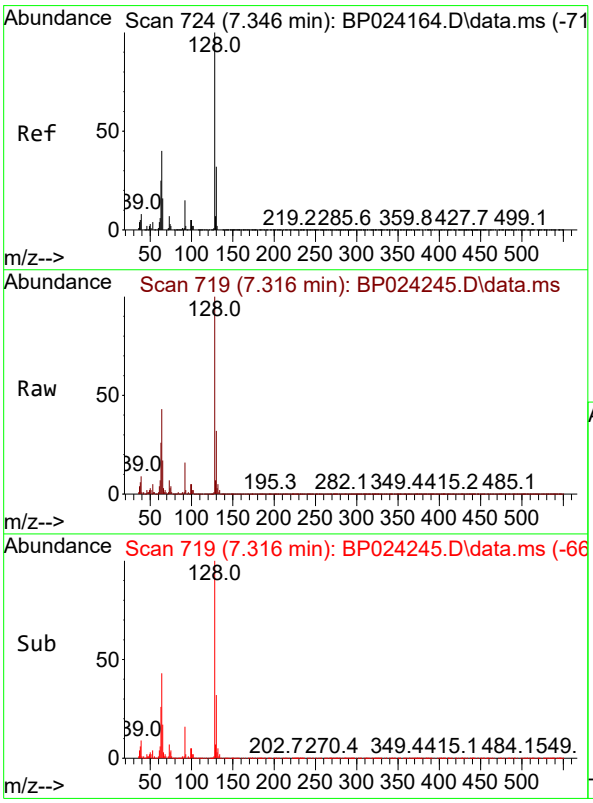
#7
Phenol-d6
Concen: 82.228 ng
RT: 6.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 2224675

Ion	Ratio	Lower	Upper
99	100		
42	13.4	10.6	16.0
71	30.1	23.3	34.9

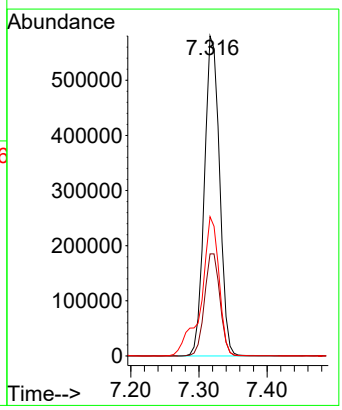


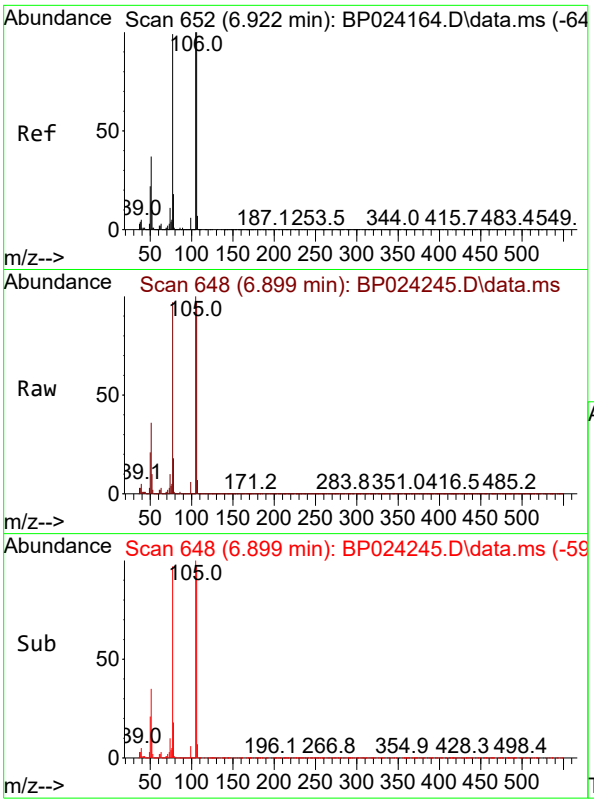


#8
2-Chlorophenol
Concen: 41.104 ng
RT: 7.316 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:128 Resp: 898244

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	43.5	21.6	61.6



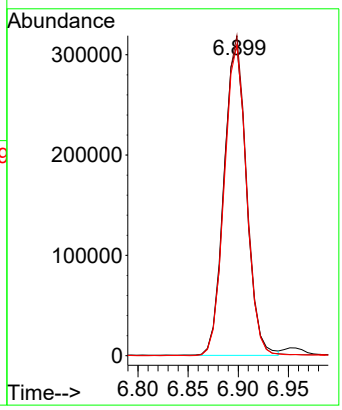


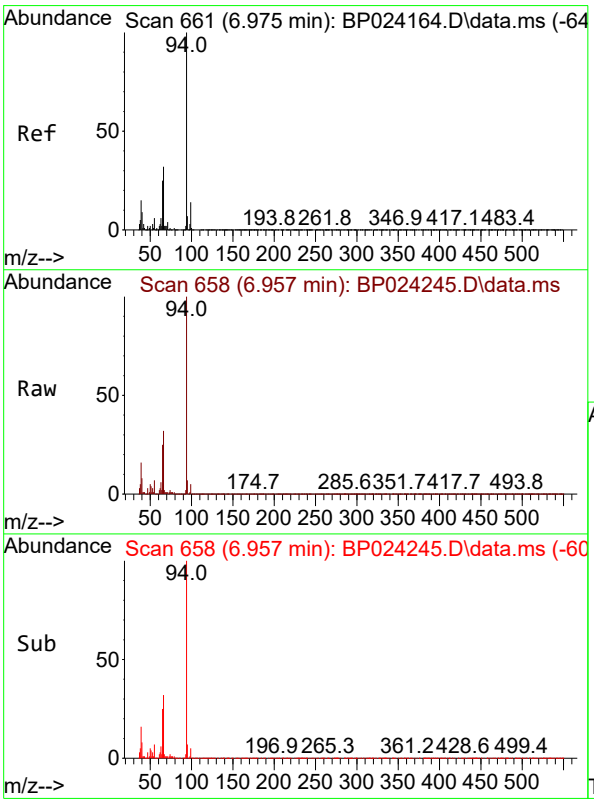
#9
Benzaldehyde
Concen: 37.315 ng
RT: 6.899 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 487196

Ion	Ratio	Lower	Upper
77	100		
105	103.1	81.4	121.4
106	100.2	81.1	121.1

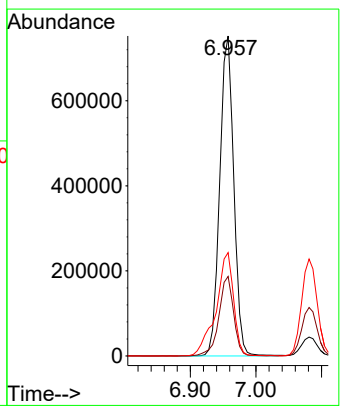


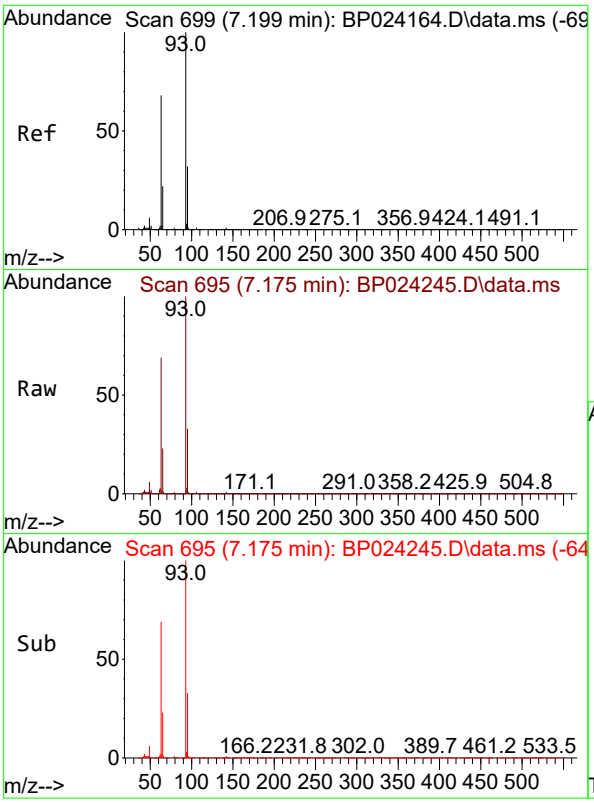


#10
Phenol
Concen: 40.683 ng
RT: 6.957 min Scan# 658
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 94 Resp: 1111148

Ion	Ratio	Lower	Upper
94	100		
65	24.9	4.9	44.9
66	32.3	11.9	51.9



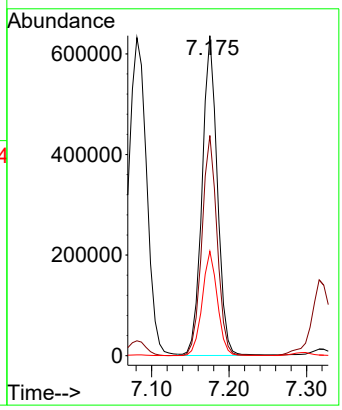


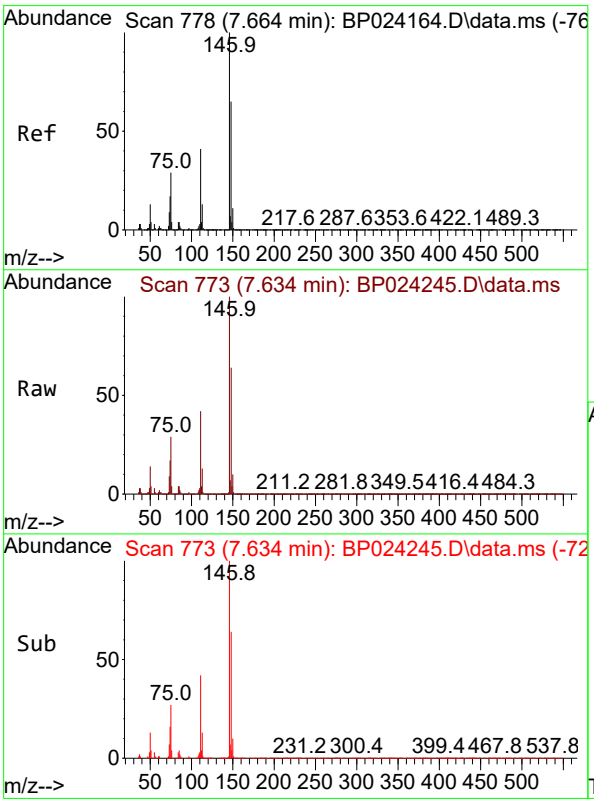
#11
bis(2-Chloroethyl)ether
Concen: 40.321 ng
RT: 7.175 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 868445

Ion	Ratio	Lower	Upper
93	100		
63	68.8	47.4	87.4
95	32.6	12.1	52.1

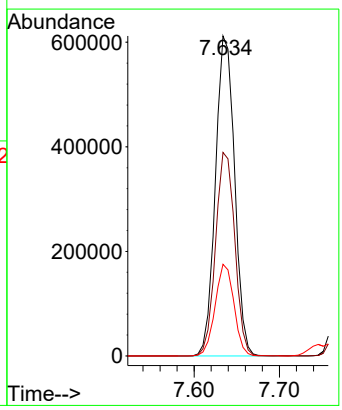


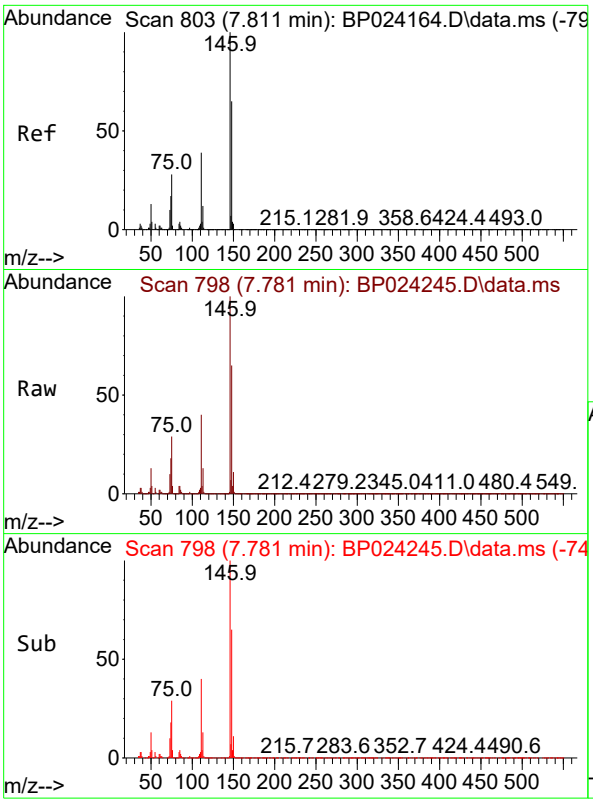


#12
1,3-Dichlorobenzene
Concen: 40.562 ng
RT: 7.634 min Scan# 773
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:146 Resp: 955885

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
75	28.7	22.8	34.2



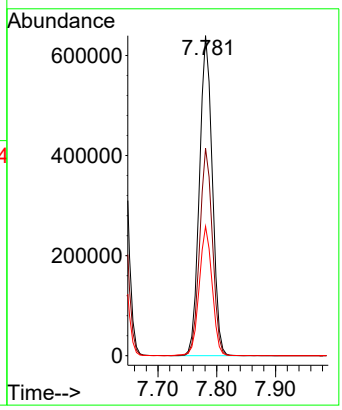


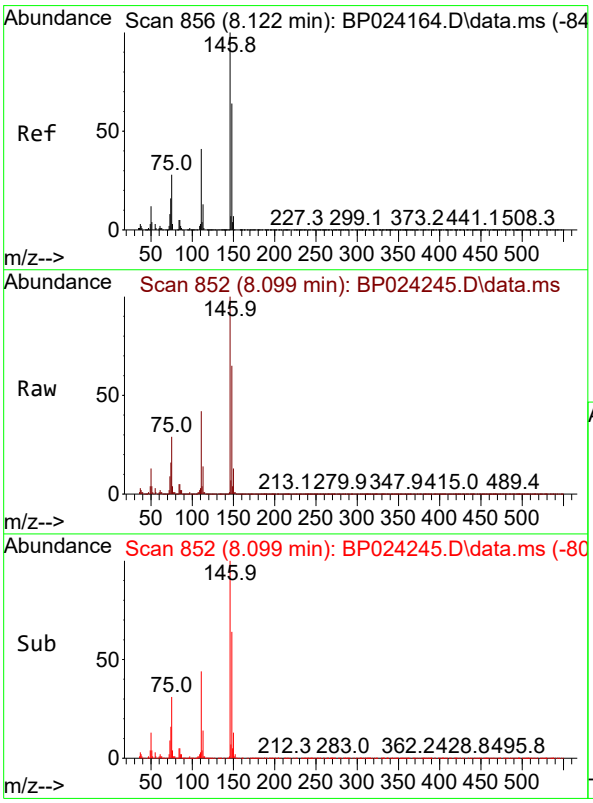
#13
1,4-Dichlorobenzene
Concen: 40.461 ng
RT: 7.781 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 973547

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	40.4	31.4	47.2

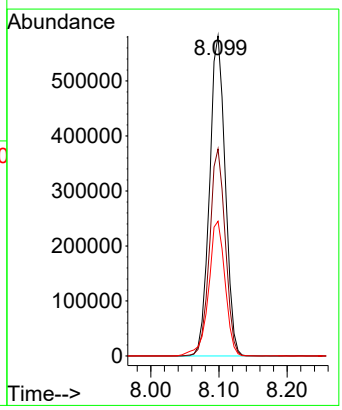


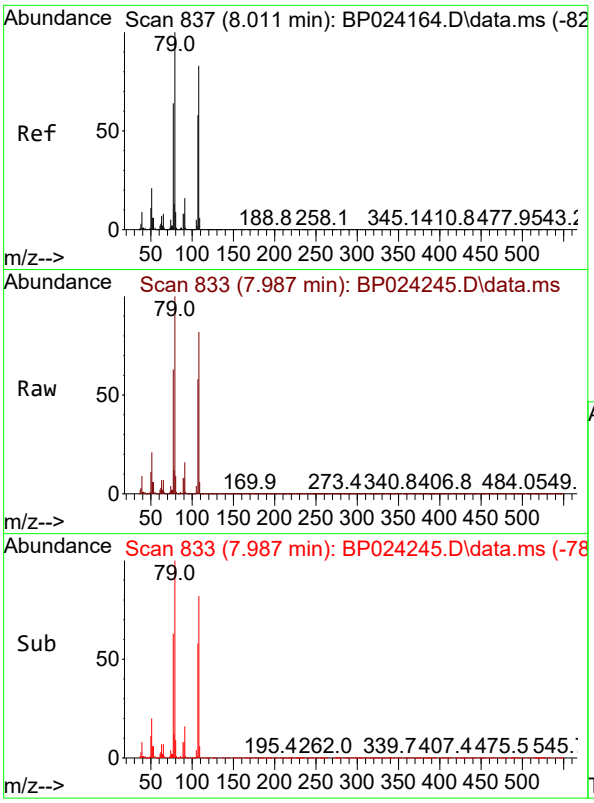


#14
1,2-Dichlorobenzene
Concen: 40.368 ng
RT: 8.099 min Scan# 852
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:146 Resp: 932097

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	42.1	33.2	49.8



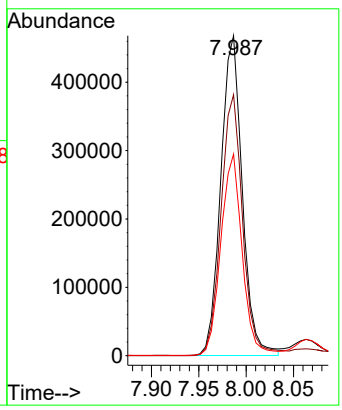


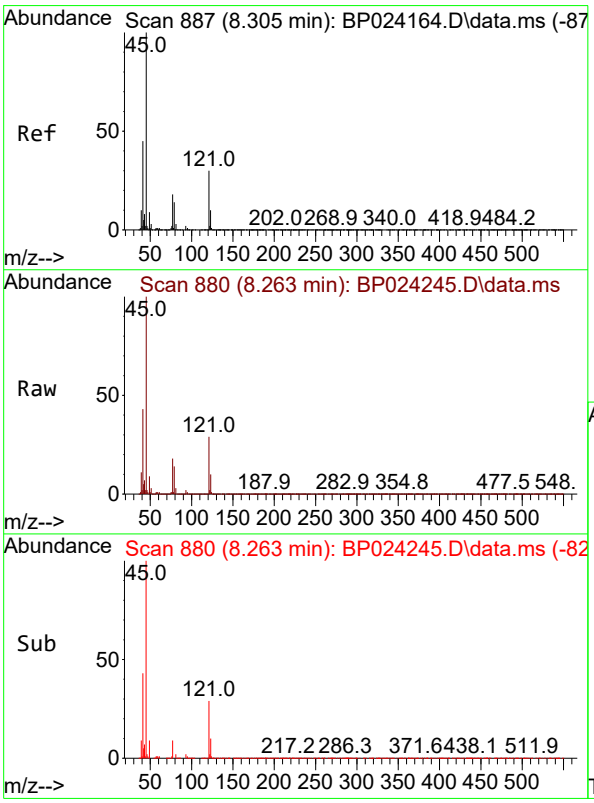
#15
Benzyl Alcohol
Concen: 43.130 ng
RT: 7.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 738749

Ion	Ratio	Lower	Upper
79	100		
108	81.5	66.5	99.7
77	63.0	50.9	76.3

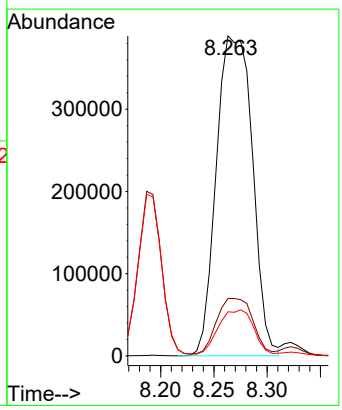


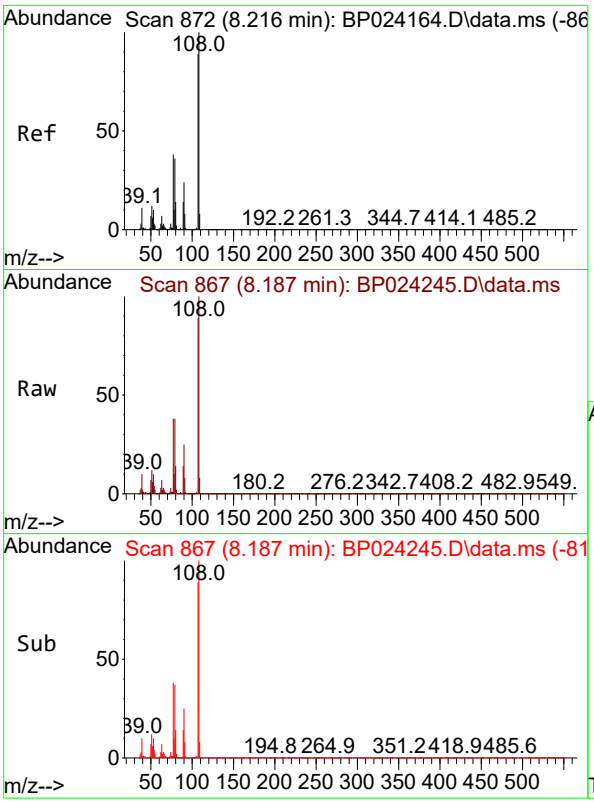


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.583 ng
RT: 8.263 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 45 Resp: 914091

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	39.0
79	13.8	0.0	35.6



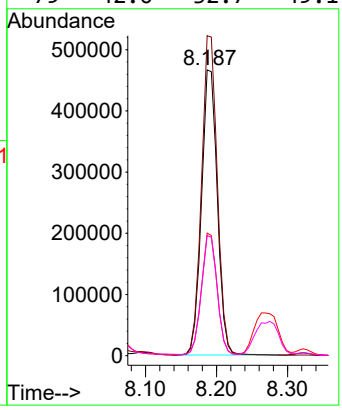


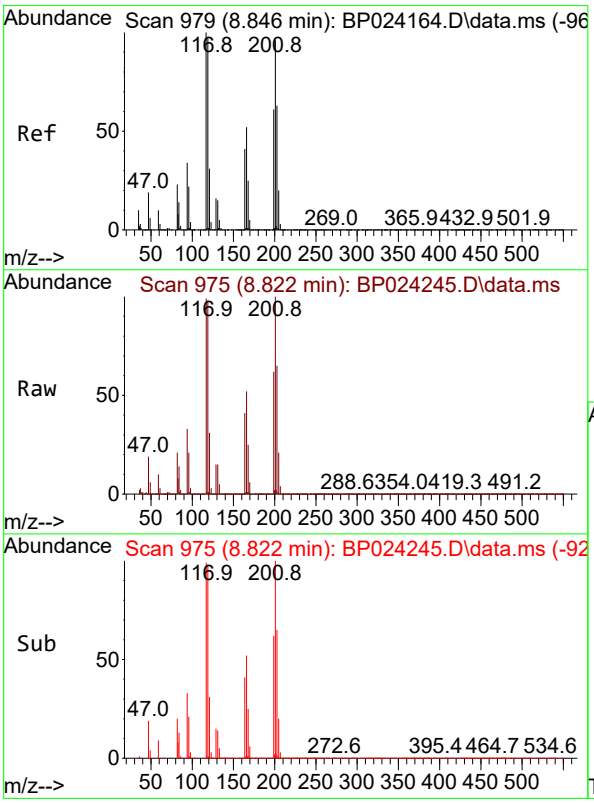
#17
2-Methylphenol
Concen: 42.175 ng
RT: 8.187 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 722321

Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.0	135.0
77	42.9	34.0	51.0
79	42.0	32.7	49.1

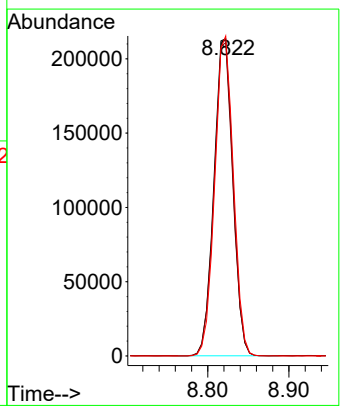


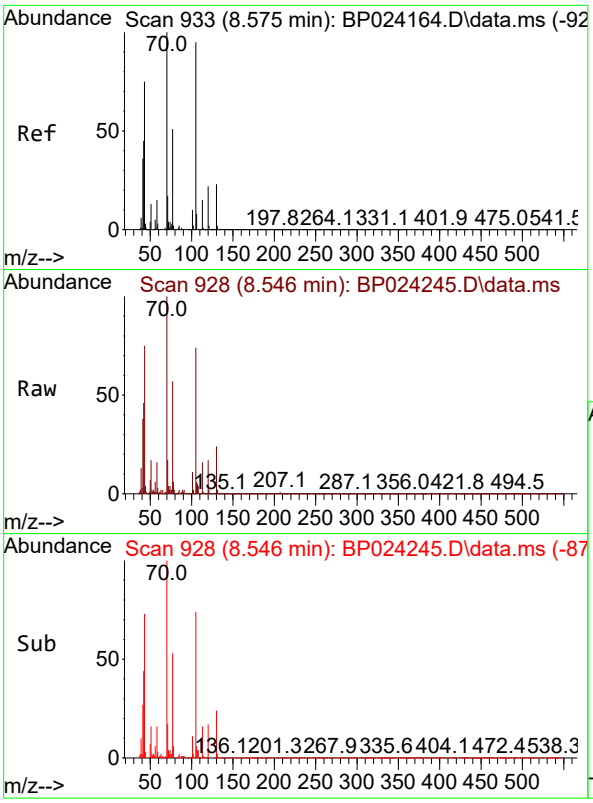


#18
Hexachloroethane
Concen: 40.730 ng
RT: 8.822 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:117 Resp: 347698

Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.4	116.0
201	100.8	76.6	114.8



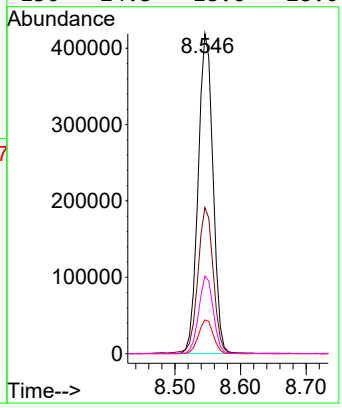


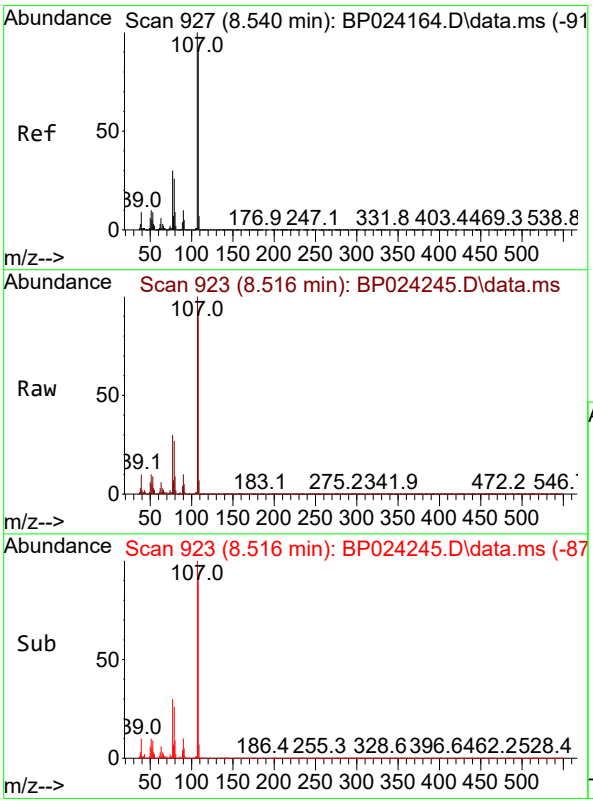
#19
n-Nitroso-di-n-propylamine
Concen: 41.949 ng
RT: 8.546 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 658424

Ion	Ratio	Lower	Upper
70	100		
42	45.6	36.0	54.0
101	10.5	8.3	12.5
130	24.3	18.6	28.0

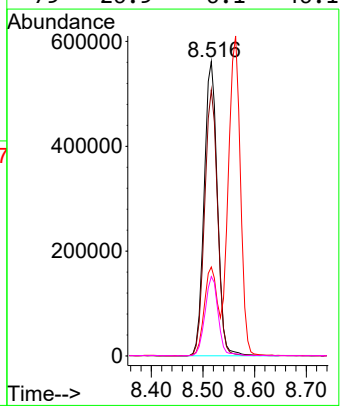


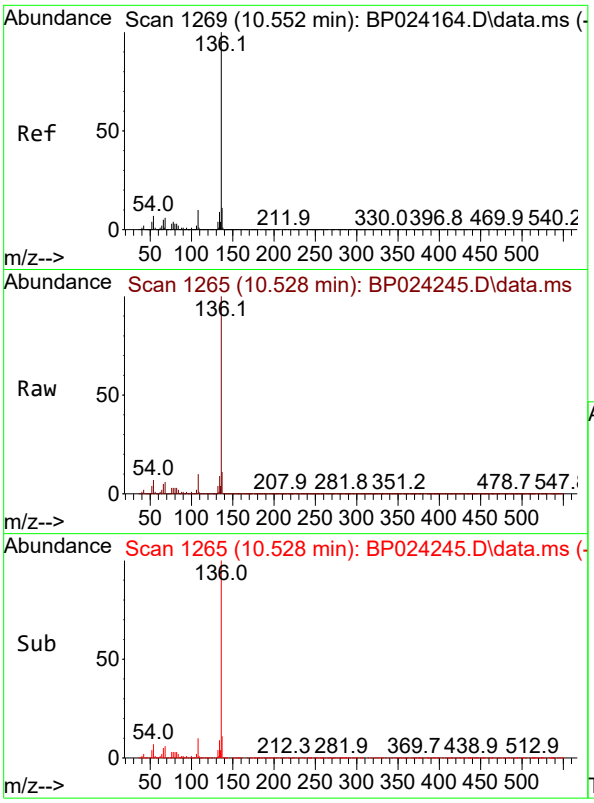


#20
3+4-Methylphenols
Concen: 42.320 ng
RT: 8.516 min Scan# 923
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:107 Resp: 995787

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.7	109.7
77	30.2	10.3	50.3
79	26.9	6.1	46.1



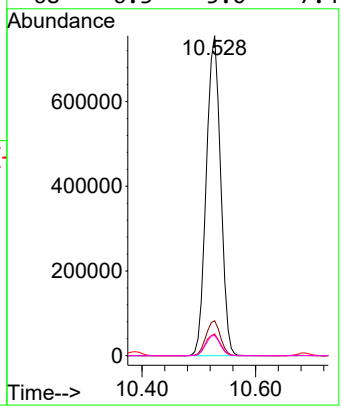


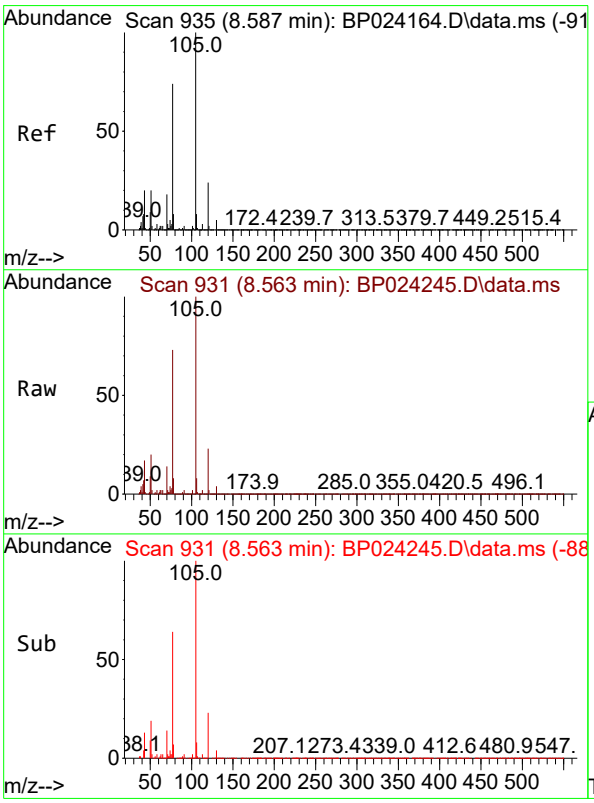
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1317784

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.8	5.3	7.9
68	6.3	5.0	7.4

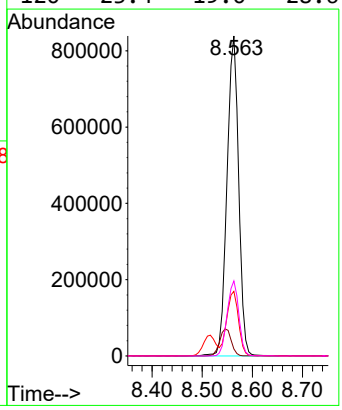


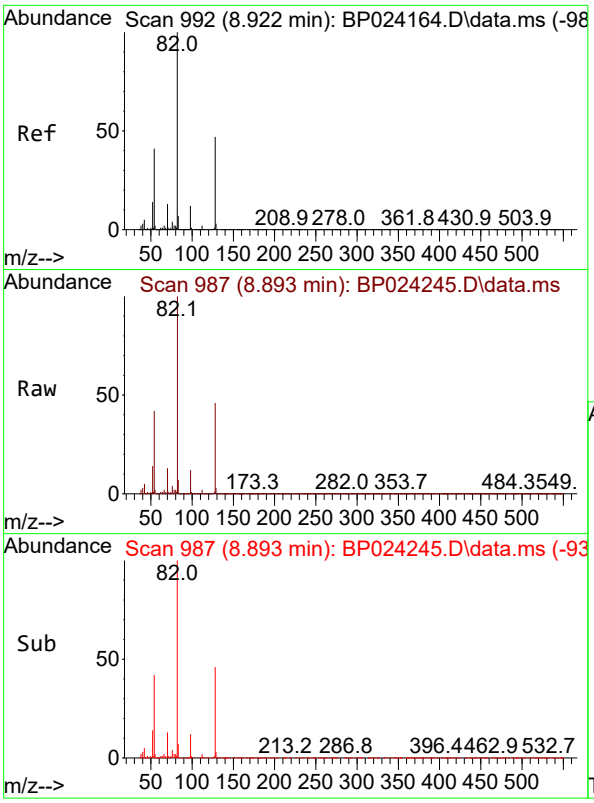


#22
Acetophenone
Concen: 40.685 ng
RT: 8.563 min Scan# 931
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:105 Resp: 1355481

Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.4	3.6#
51	20.2	16.2	24.2
120	23.4	19.0	28.6



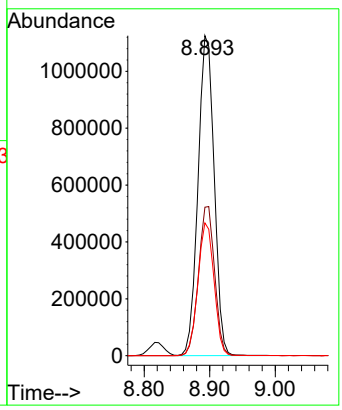


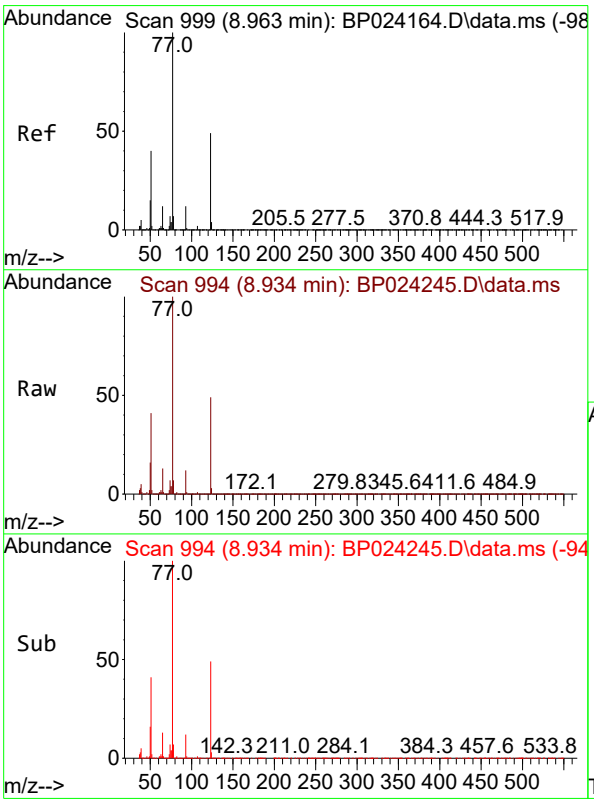
#23
Nitrobenzene-d5
Concen: 82.580 ng
RT: 8.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1928757

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.0
54	41.5	32.5	48.7

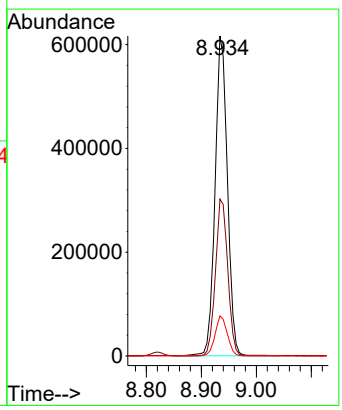


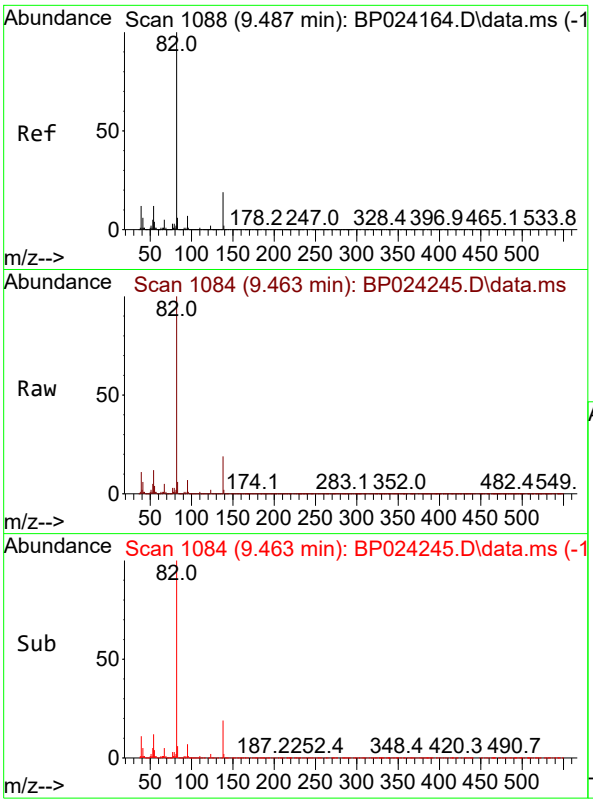


#24
Nitrobenzene
Concen: 41.671 ng
RT: 8.934 min Scan# 994
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 77 Resp: 960124

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.4	59.2
65	12.6	9.9	14.9



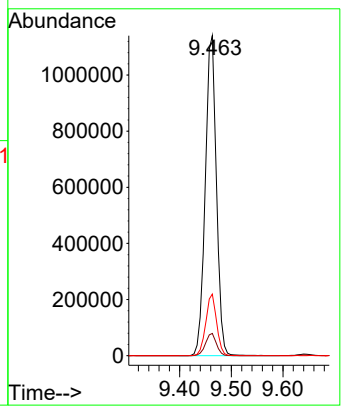


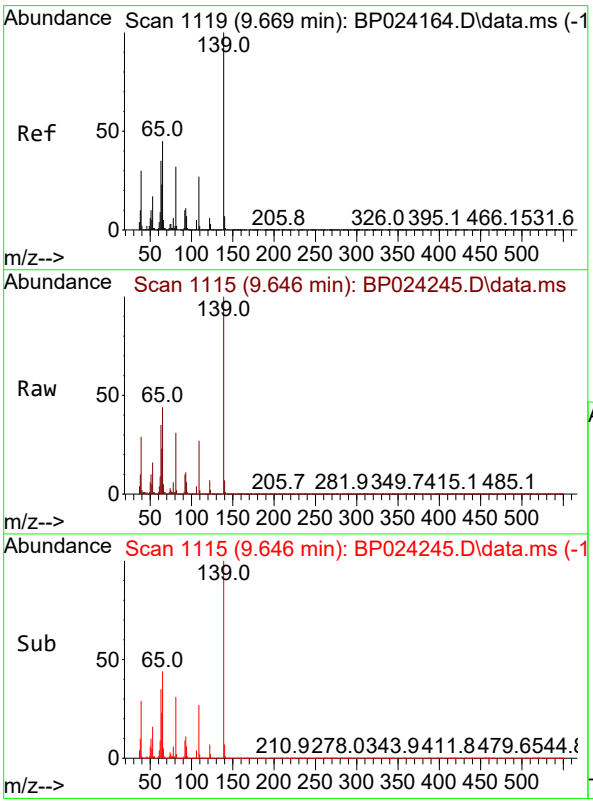
#25
Isophorone
Concen: 42.547 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1703432

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	19.3	14.8	22.2

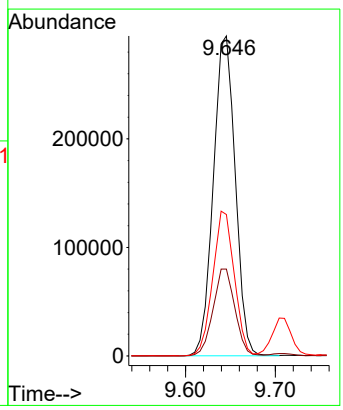


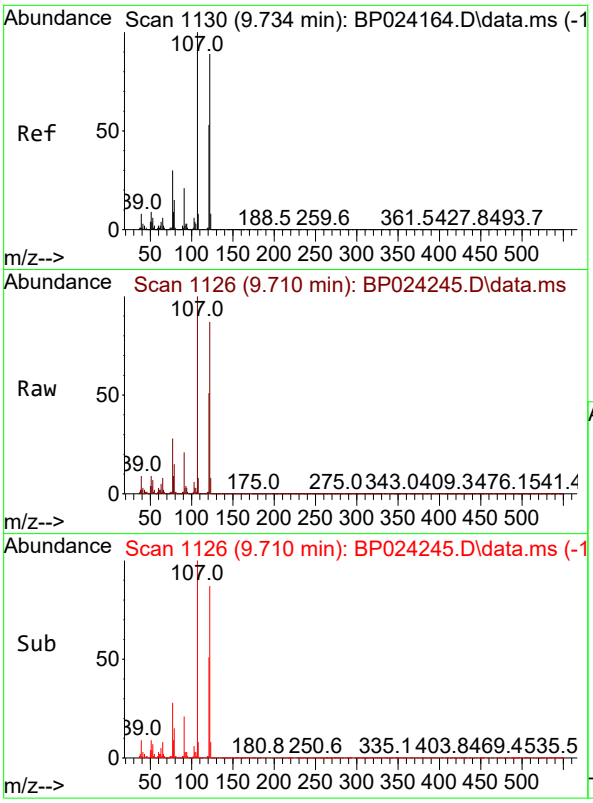


#26
2-Nitrophenol
Concen: 45.474 ng
RT: 9.646 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:139 Resp: 500483

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.7	32.5
65	44.2	35.8	53.8



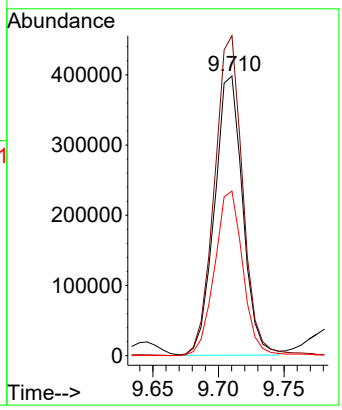


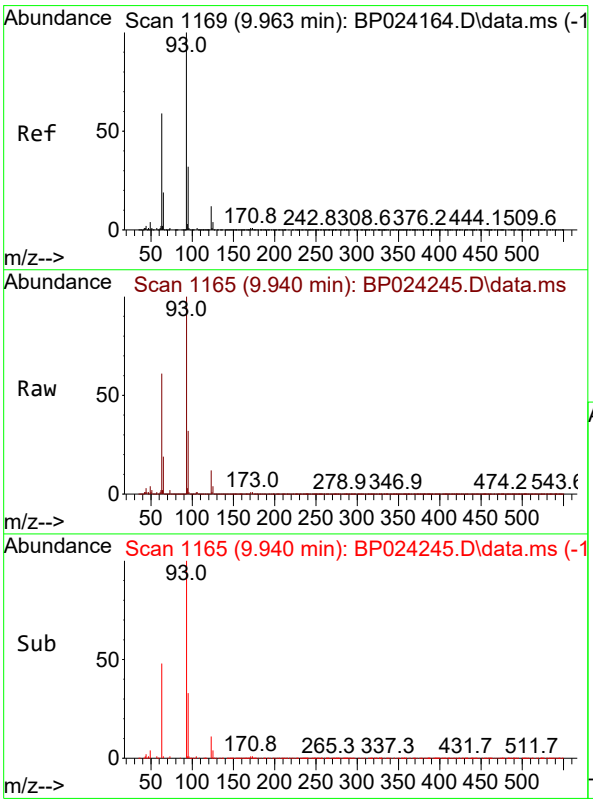
#27
2,4-Dimethylphenol
Concen: 41.987 ng
RT: 9.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 594202

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.3	133.9
121	58.8	47.5	71.3

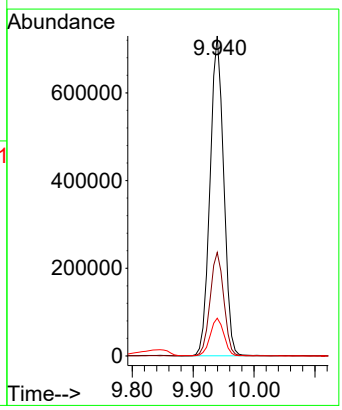


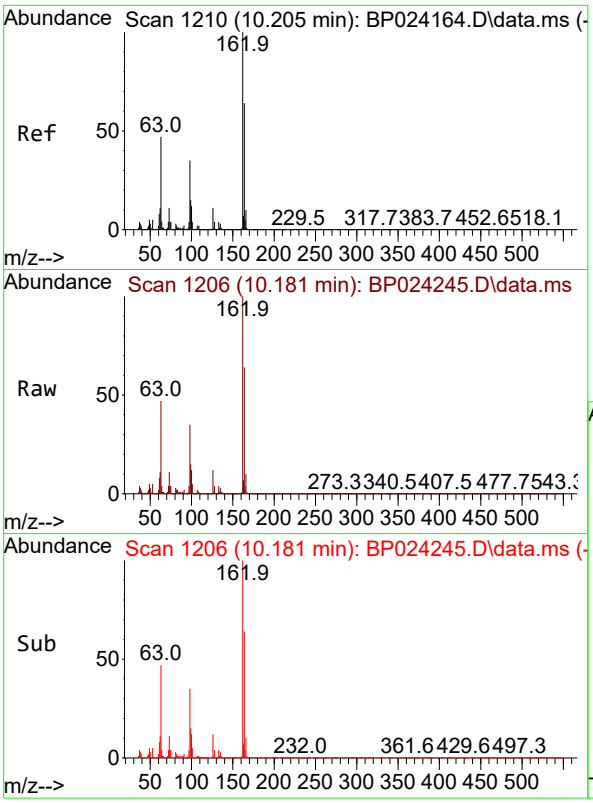


#28
bis(2-Chloroethoxy)methane
Concen: 40.382 ng
RT: 9.940 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 93 Resp: 1137398

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.8	9.5	14.3



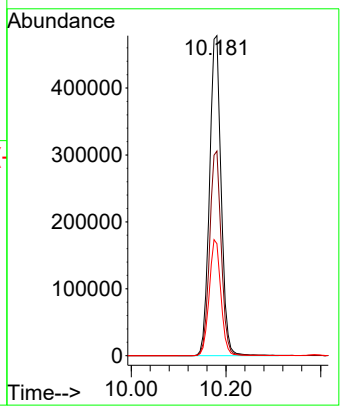


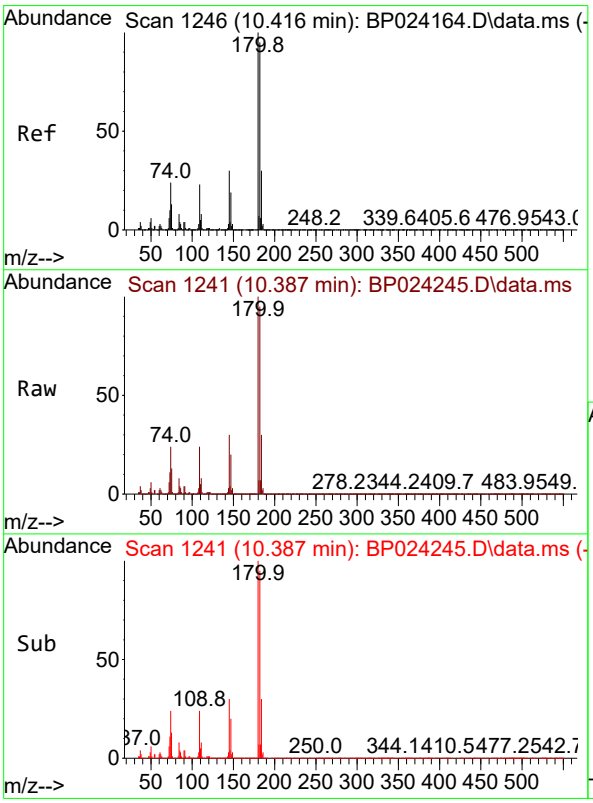
#29
2,4-Dichlorophenol
Concen: 42.522 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 814063

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	35.0	15.1	55.1

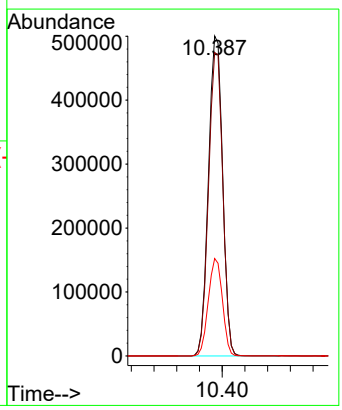


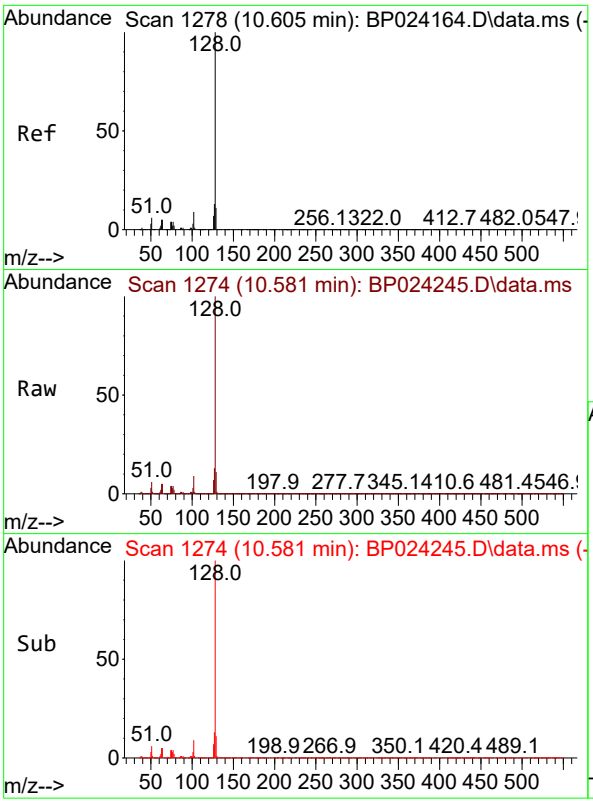


#30
1,2,4-Trichlorobenzene
Concen: 40.670 ng
RT: 10.387 min Scan# 1241
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:180 Resp: 860235

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	30.4	24.2	36.2



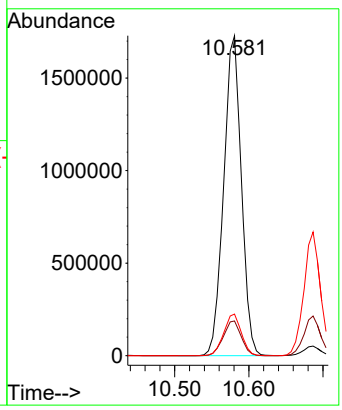


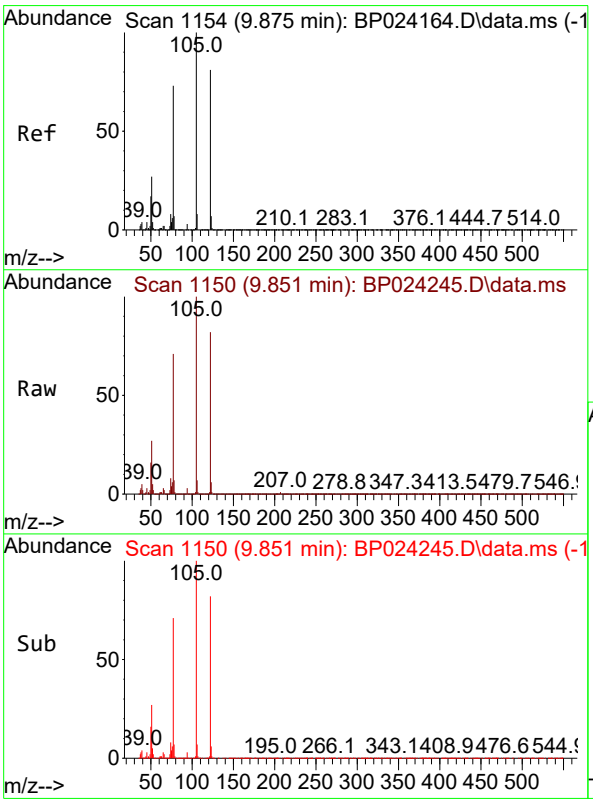
#31
Naphthalene
Concen: 40.891 ng
RT: 10.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2856444

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.0	10.4	15.6

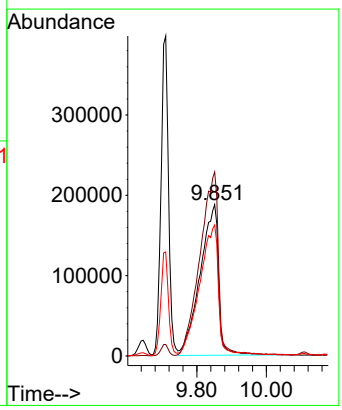


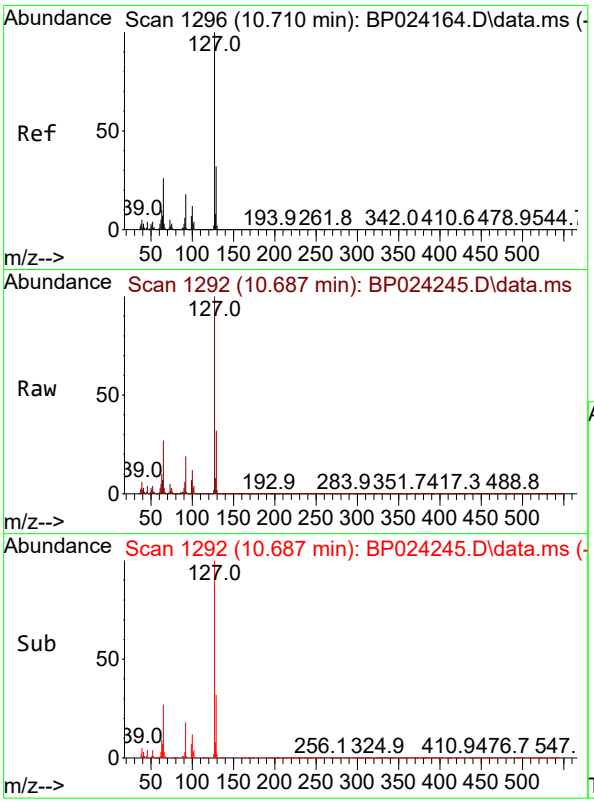


#32
Benzoic acid
Concen: 50.123 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:122 Resp: 691798

Ion	Ratio	Lower	Upper
122	100		
105	121.6	100.3	140.3
77	86.6	69.1	109.1



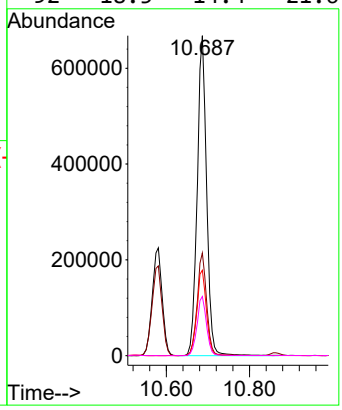


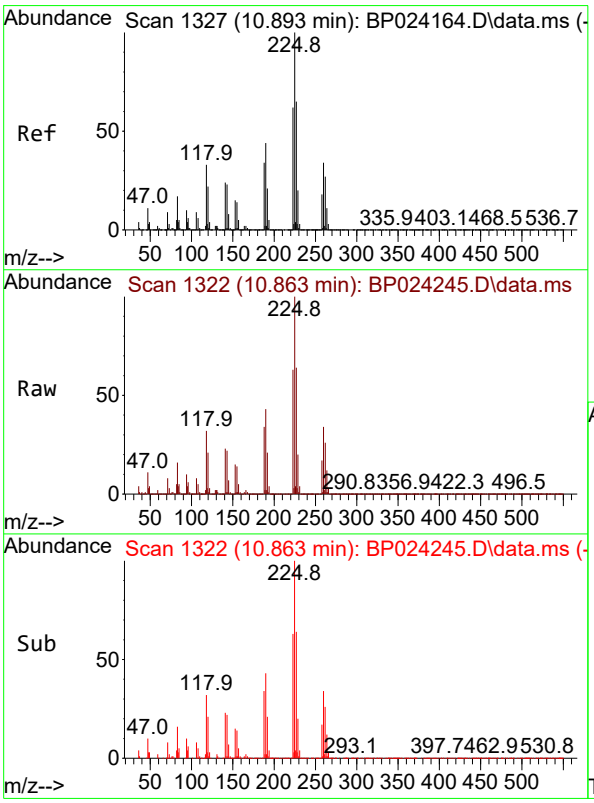
#33
4-Chloroaniline
Concen: 42.073 ng
RT: 10.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 1051754

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.6
65	26.7	21.2	31.8
92	18.5	14.4	21.6

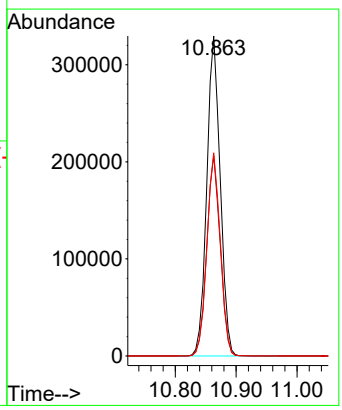


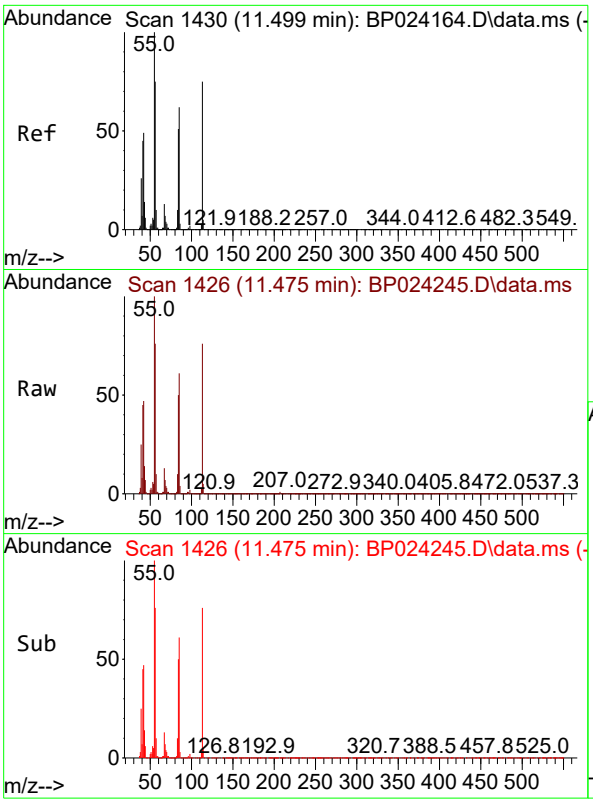


#34
Hexachlorobutadiene
Concen: 41.454 ng
RT: 10.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:225 Resp: 504623

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	63.5	52.2	78.2



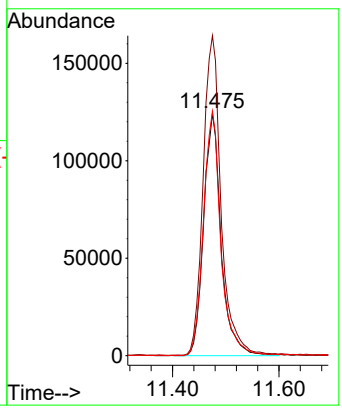


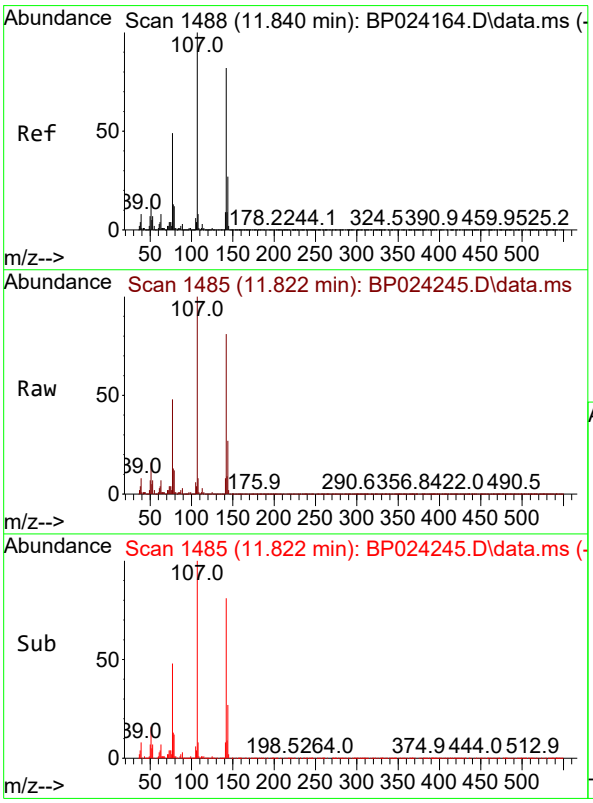
#35
Caprolactam
Concen: 45.063 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 282742

Ion	Ratio	Lower	Upper
113	100		
55	132.1	113.6	153.6
56	100.9	80.0	120.0

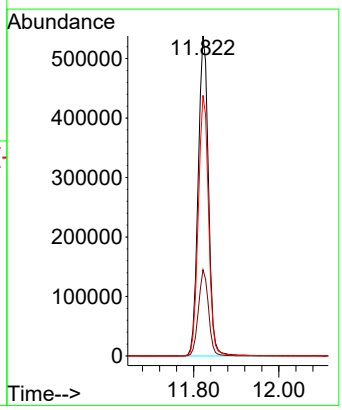


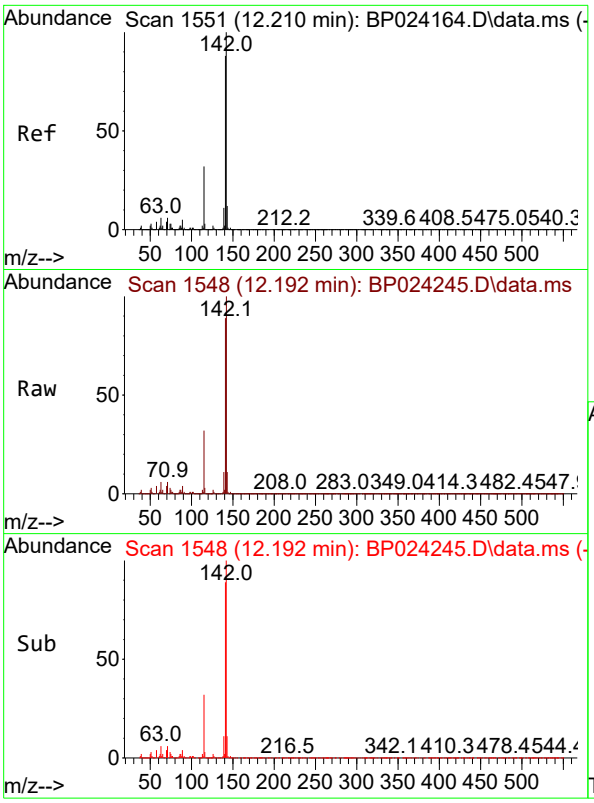


#36
4-Chloro-3-methylphenol
Concen: 43.625 ng
RT: 11.822 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:107 Resp: 900969

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.6	32.4
142	81.4	65.4	98.0



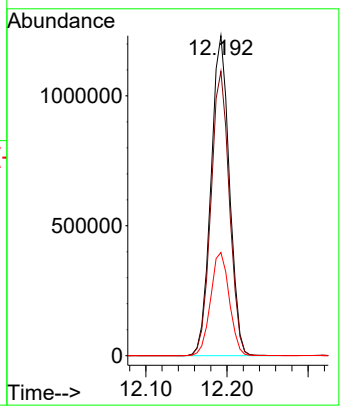


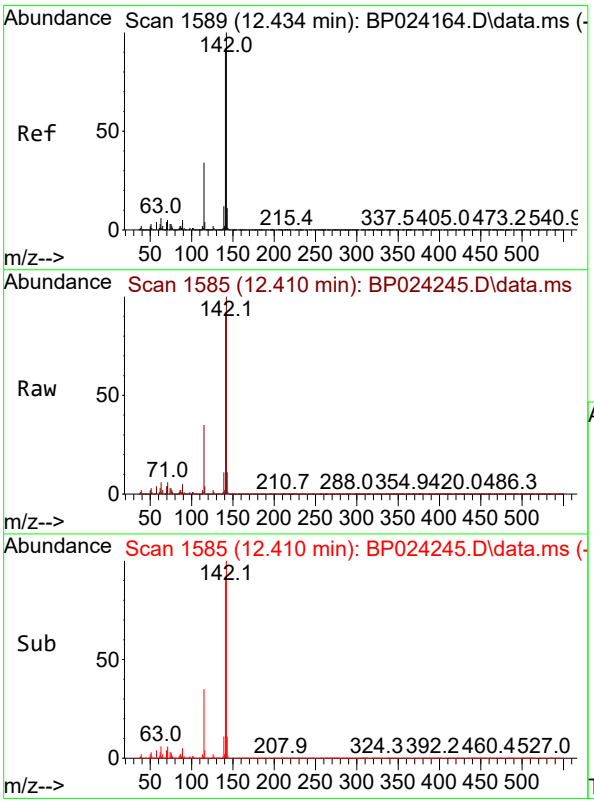
#37
2-Methylnaphthalene
Concen: 41.131 ng
RT: 12.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1941032

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	32.3	26.0	39.0

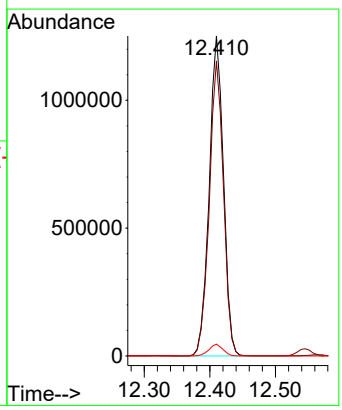


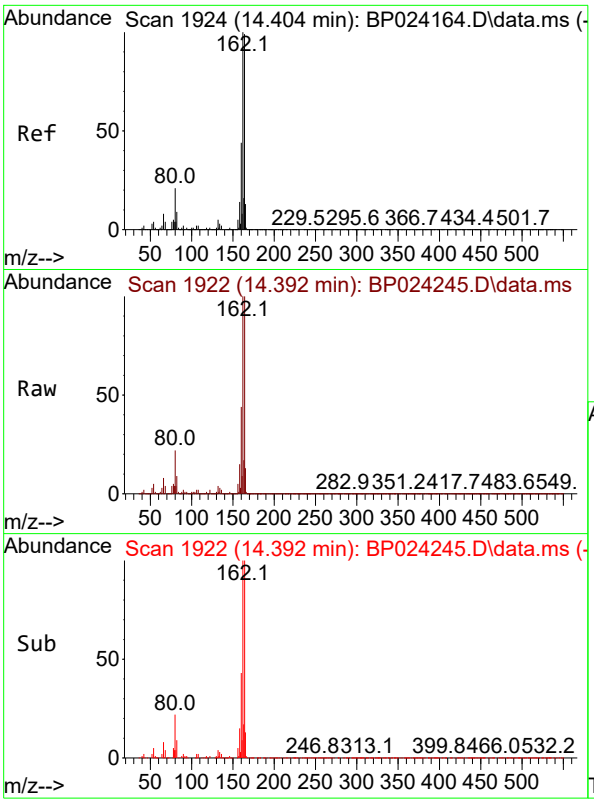


#38
1-Methylnaphthalene
Concen: 41.185 ng
RT: 12.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:142 Resp: 1890383

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.9	110.9
116	3.7	2.8	4.2



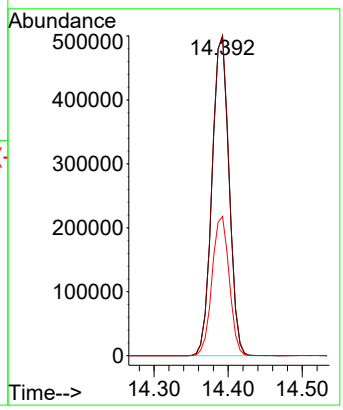


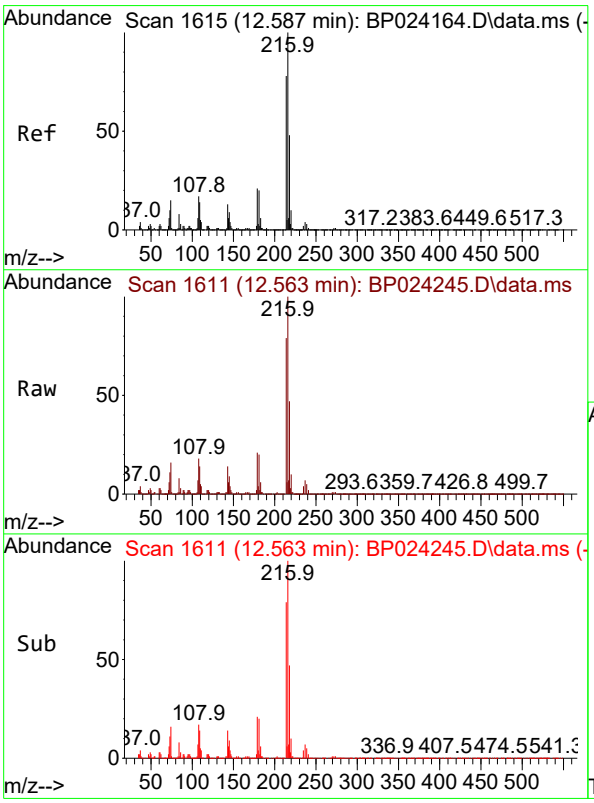
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 792808

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	43.6	35.4	53.2

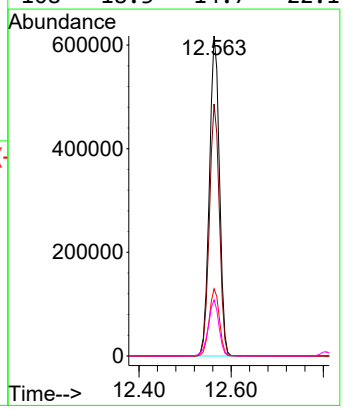


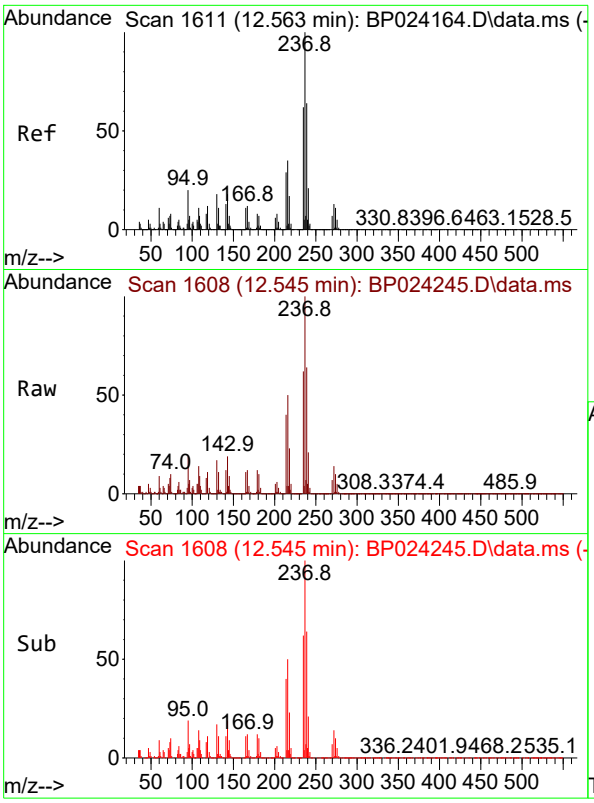


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.913 ng
RT: 12.563 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:216 Resp: 937630

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.8	94.2
179	21.2	16.8	25.2
108	18.3	14.7	22.1



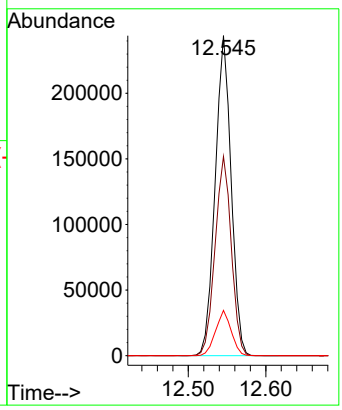


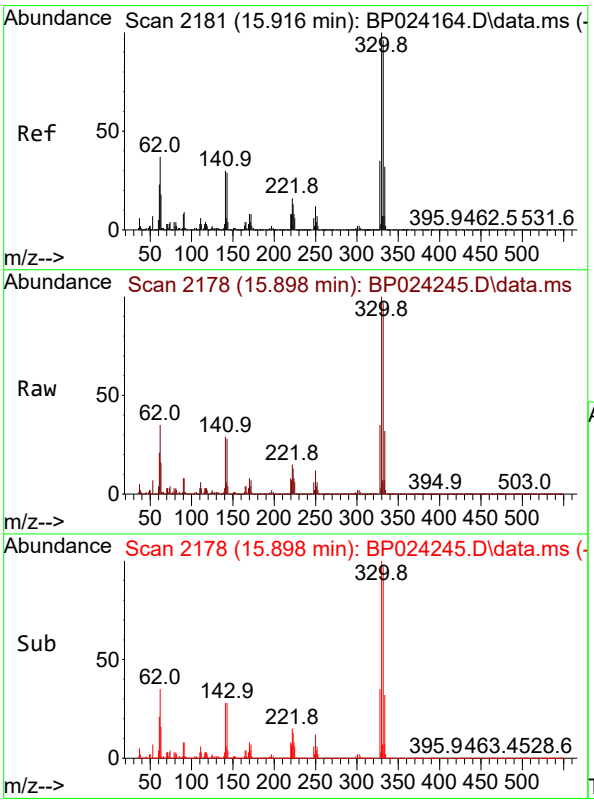
#41
Hexachlorocyclopentadiene
Concen: 42.270 ng
RT: 12.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 349194

Ion	Ratio	Lower	Upper
237	100		
235	62.3	41.8	81.8
272	14.1	0.0	33.5

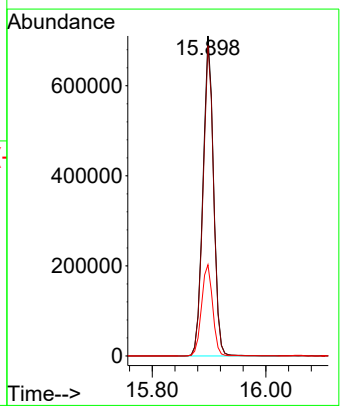


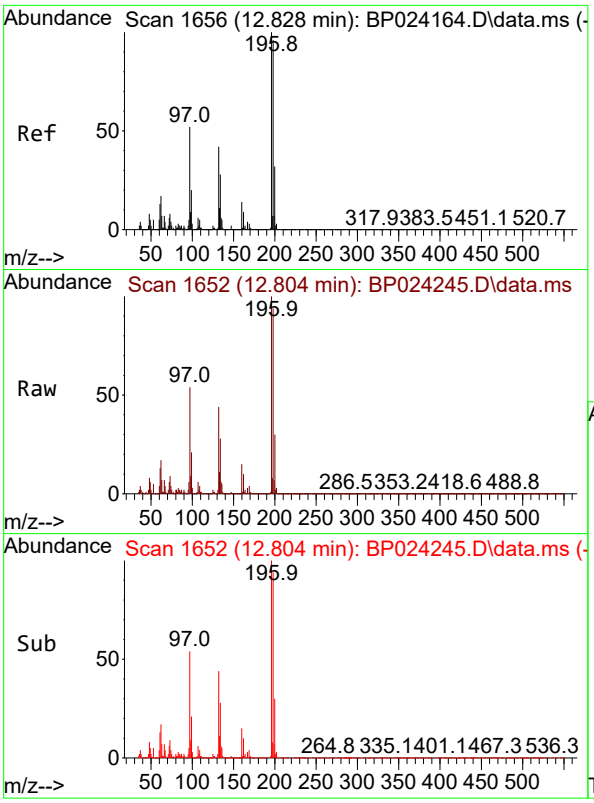


#42
2,4,6-Tribromophenol
Concen: 91.762 ng
RT: 15.898 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:330 Resp: 916378

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.6	116.4
141	29.9	25.0	37.6



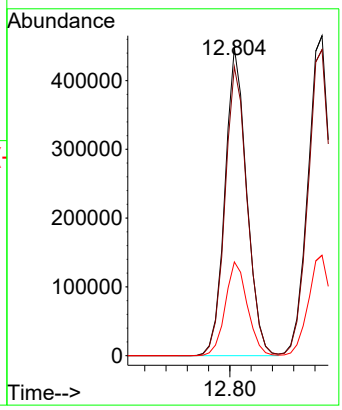


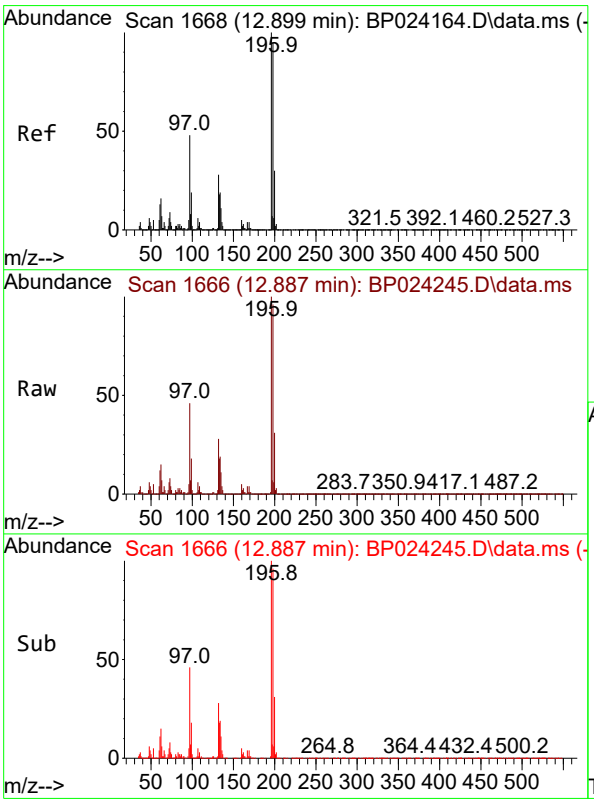
#43
2,4,6-Trichlorophenol
Concen: 43.661 ng
RT: 12.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 635900

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.6	115.0
200	30.4	25.4	38.0

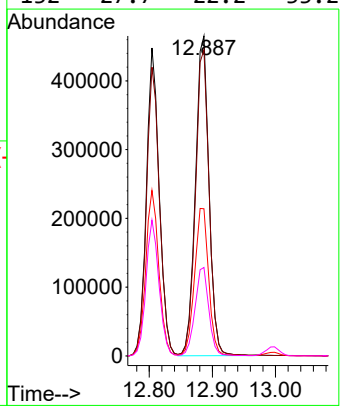


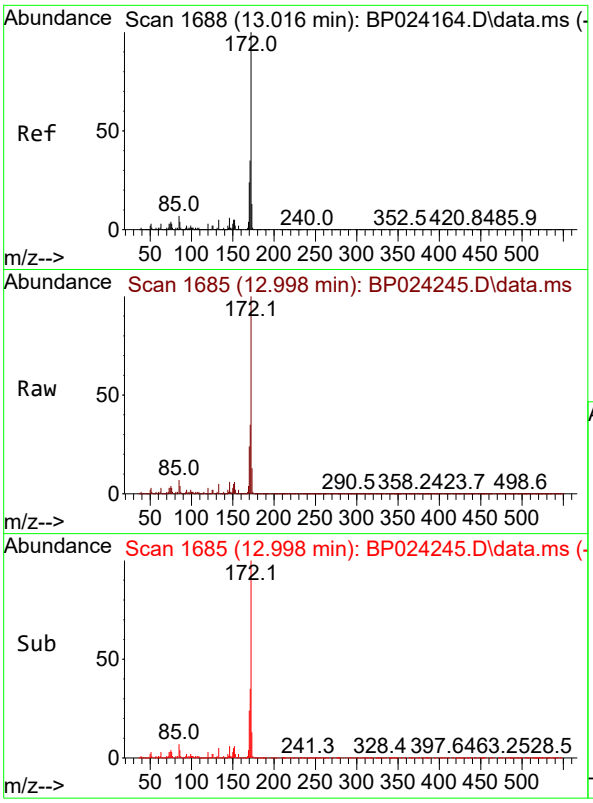


#44
2,4,5-Trichlorophenol
Concen: 43.426 ng
RT: 12.887 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:196 Resp: 693624

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.5	114.7
97	46.0	38.7	58.1
132	27.7	22.2	33.2



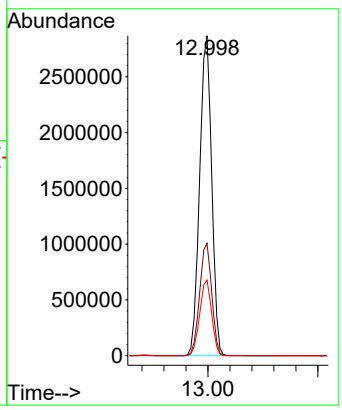


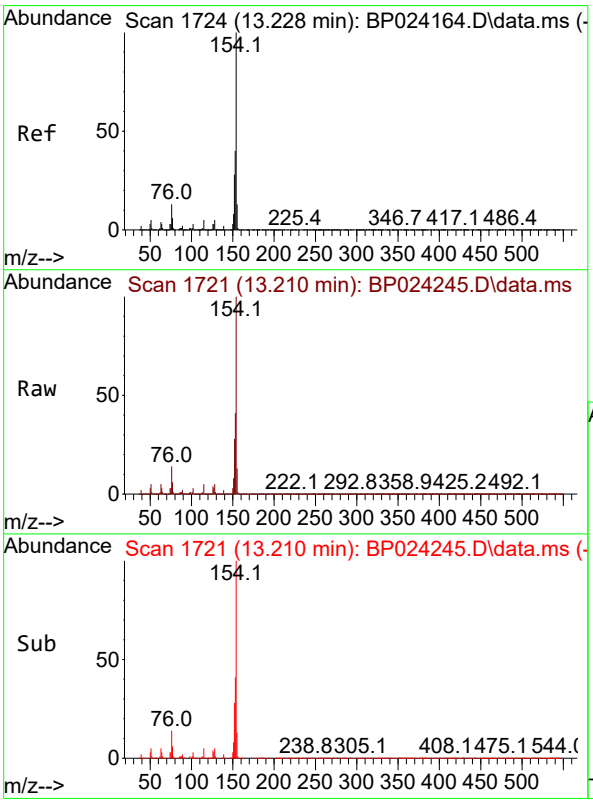
#45
2-Fluorobiphenyl
Concen: 81.124 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4361802

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.6	19.0	28.4

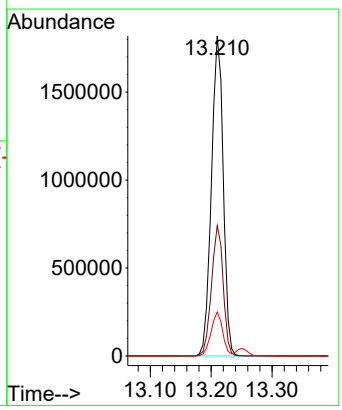


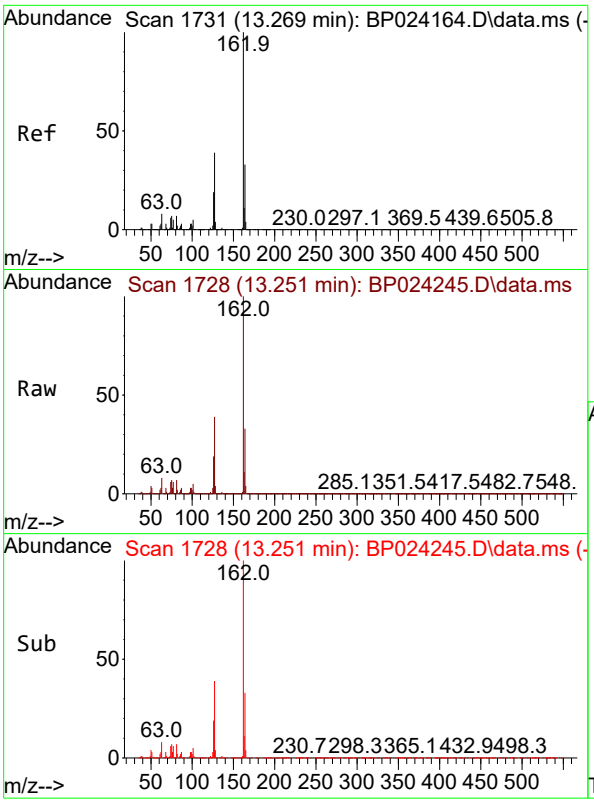


#46
1,1'-Biphenyl
Concen: 41.135 ng
RT: 13.210 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:154 Resp: 2450643

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.7	0.0	32.9



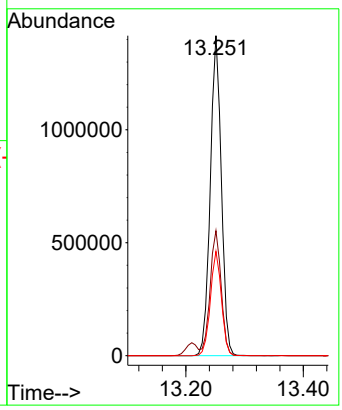


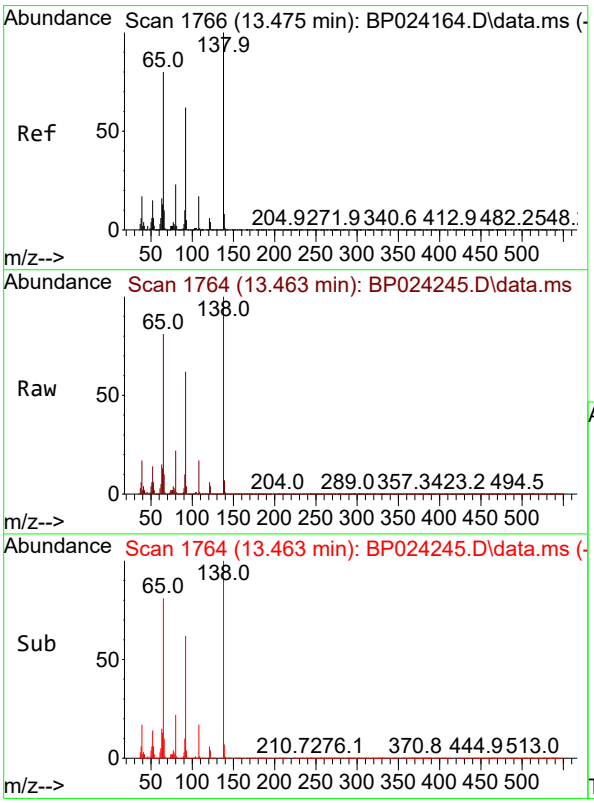
#47
2-Chloronaphthalene
Concen: 41.175 ng
RT: 13.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1845112

Ion	Ratio	Lower	Upper
162	100		
127	39.1	31.5	47.3
164	32.6	26.6	39.8

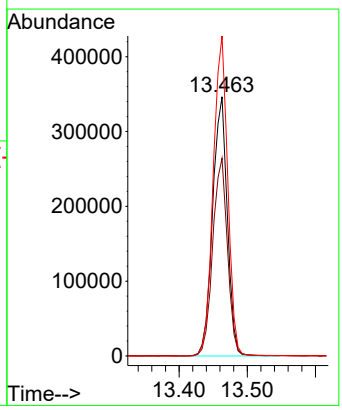


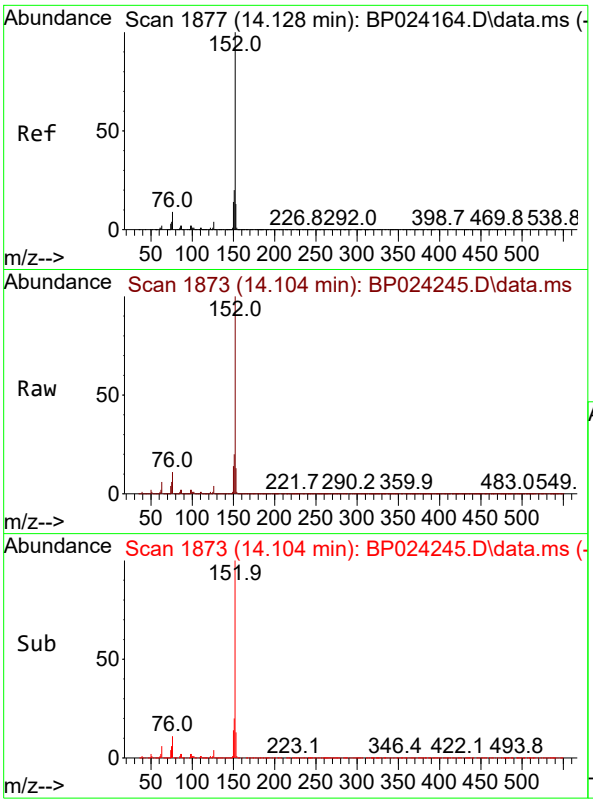


#48
2-Nitroaniline
Concen: 45.334 ng
RT: 13.463 min Scan# 1764
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion: 65 Resp: 519593

Ion	Ratio	Lower	Upper
65	100		
92	76.3	62.1	93.1
138	123.5	99.5	149.3



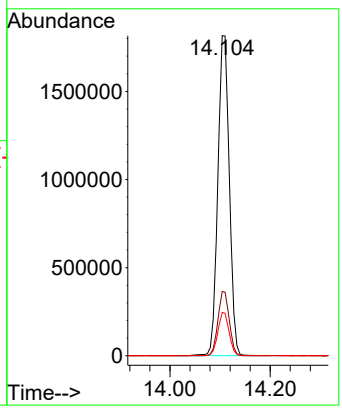


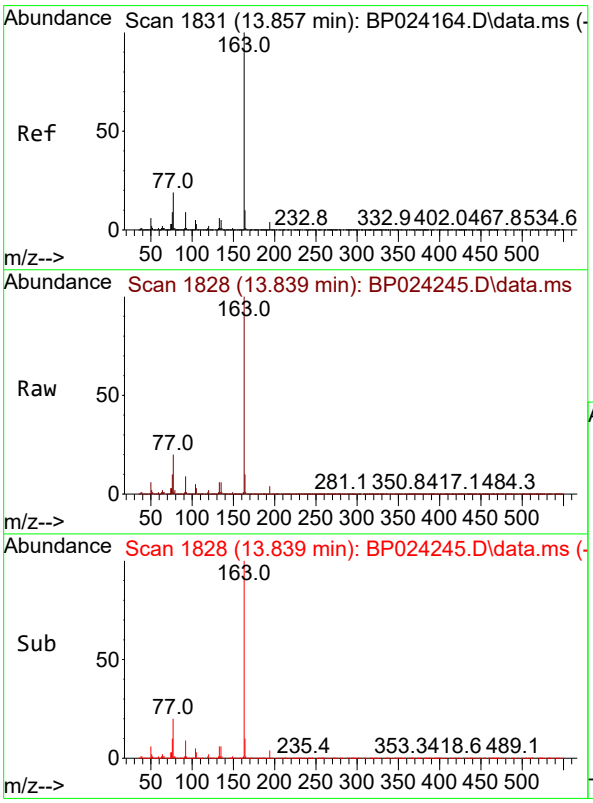
#49
Acenaphthylene
Concen: 42.414 ng
RT: 14.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2875894

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.6	15.8

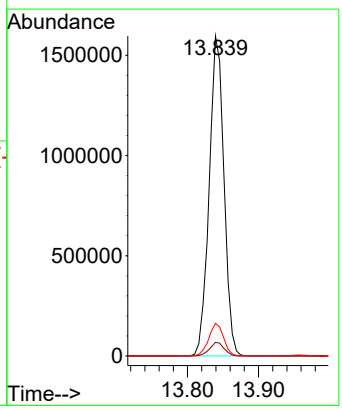


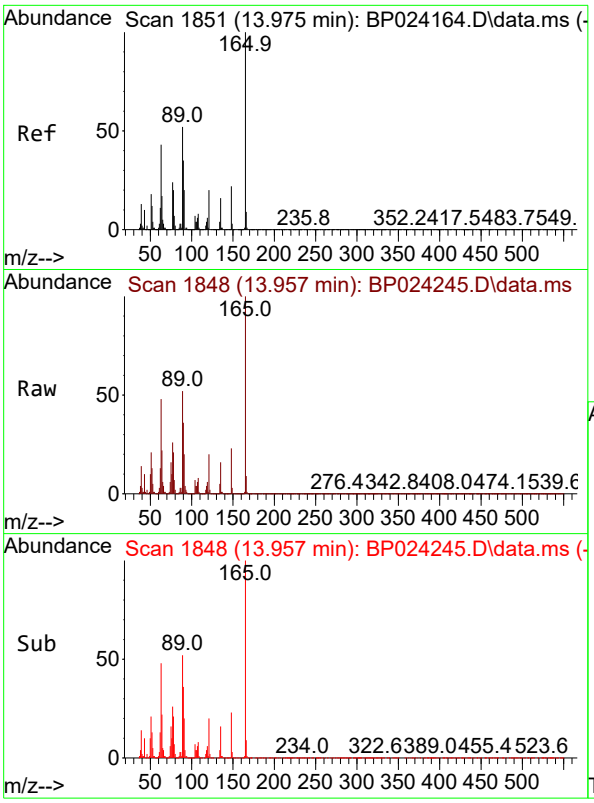


#50
Dimethylphthalate
Concen: 41.647 ng
RT: 13.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:163 Resp: 2310321

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.2	8.2	12.4



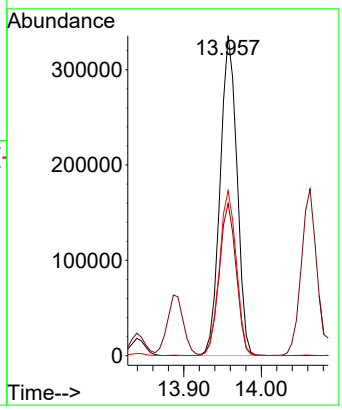


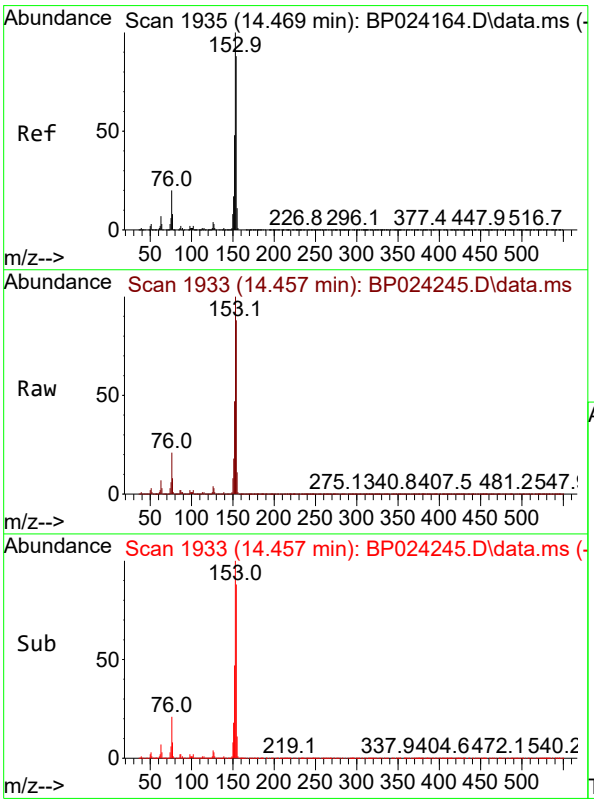
#51
2,6-Dinitrotoluene
Concen: 43.361 ng
RT: 13.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 506104

Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.7	56.5
89	51.5	41.9	62.9

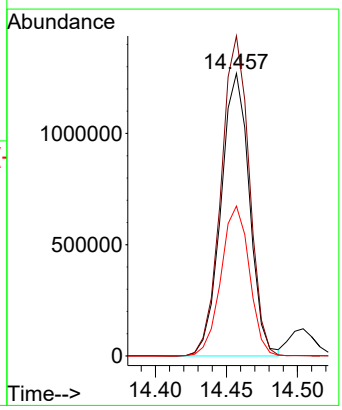


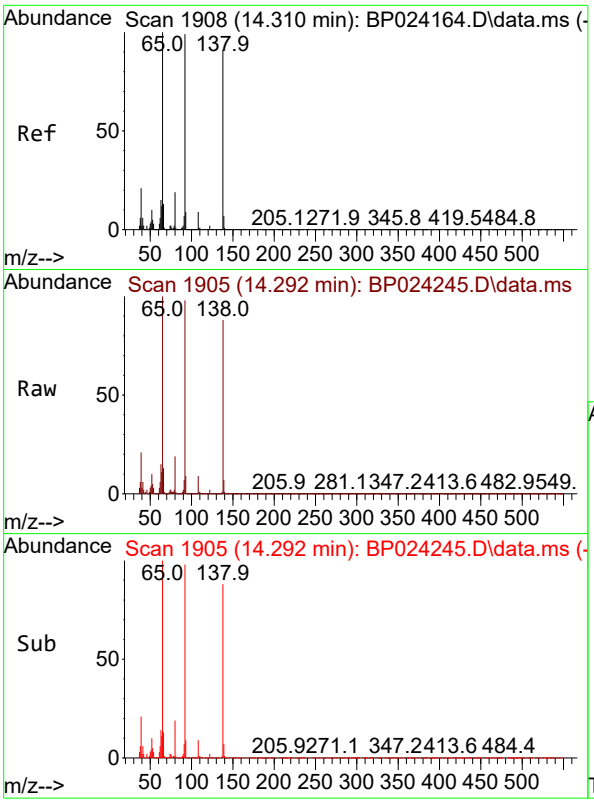


#52
Acenaphthene
Concen: 40.903 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:154 Resp: 1772003

Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.5	135.7
152	53.0	43.1	64.7



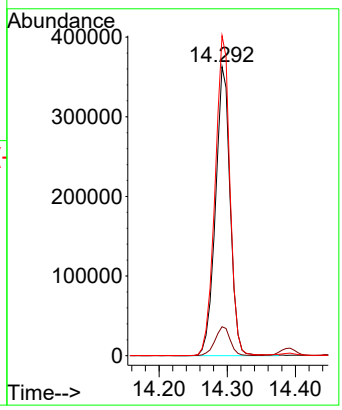


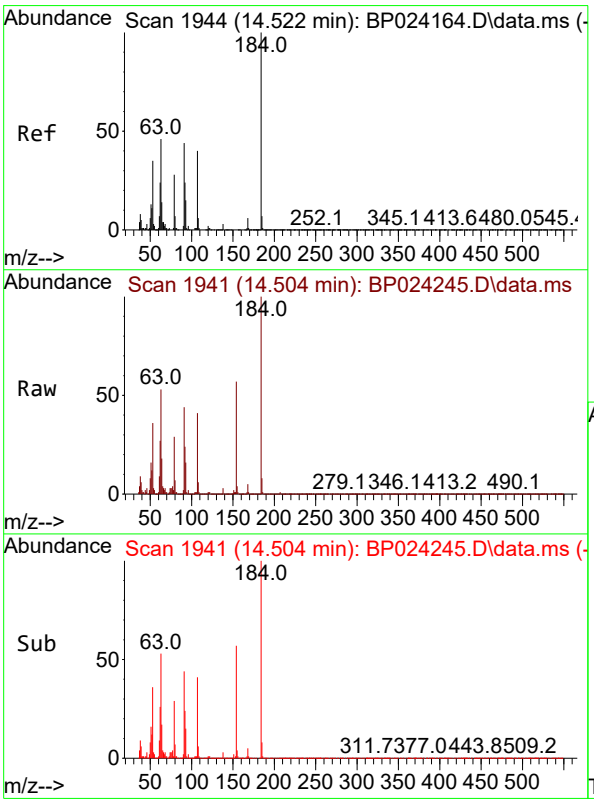
#53
3-Nitroaniline
Concen: 43.135 ng
RT: 14.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 543780

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.2	12.2
92	110.7	86.7	130.1

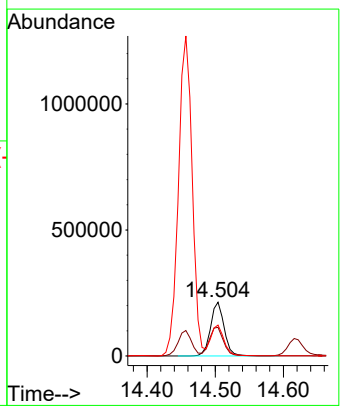


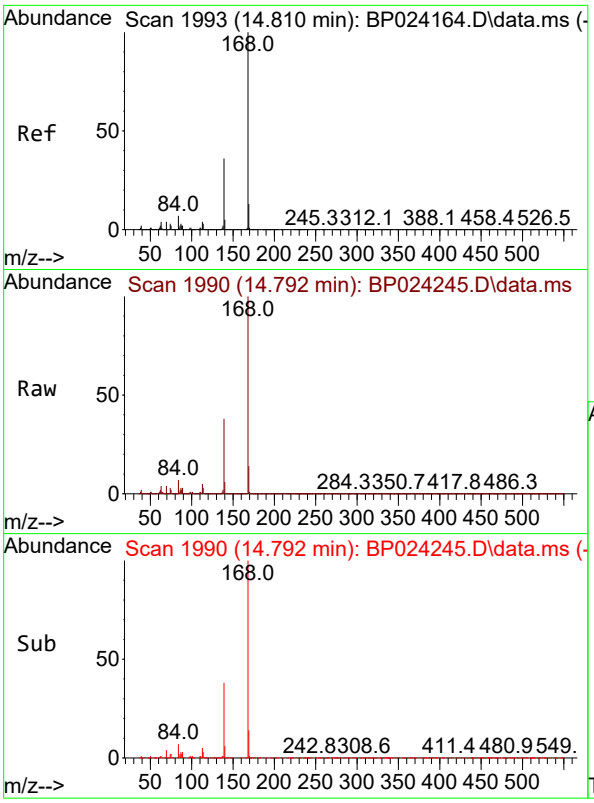


#54
2,4-Dinitrophenol
Concen: 48.109 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:184 Resp: 297121

Ion	Ratio	Lower	Upper
184	100		
63	53.1	42.1	63.1
154	57.3	44.6	67.0



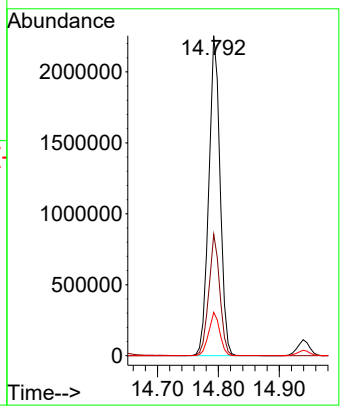


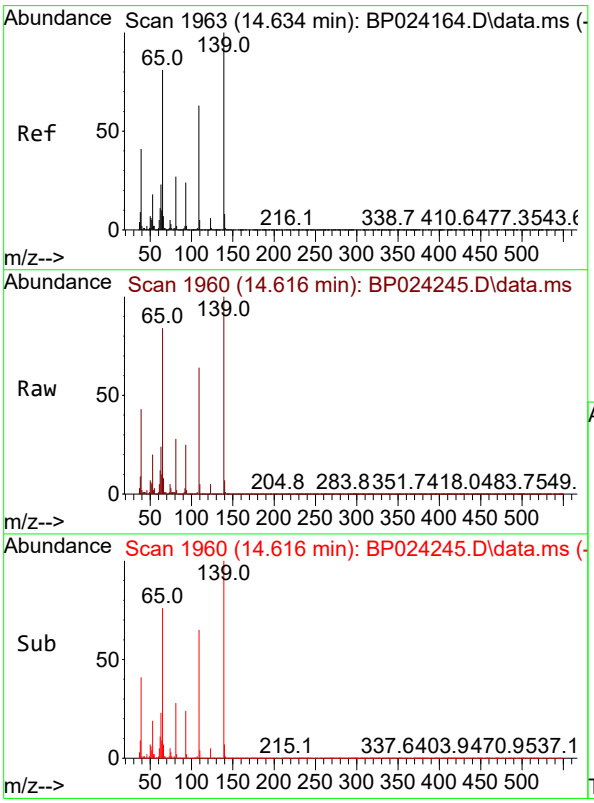
#55
Dibenzofuran
Concen: 41.368 ng
RT: 14.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2902971

Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.1	43.7
169	13.6	10.8	16.2

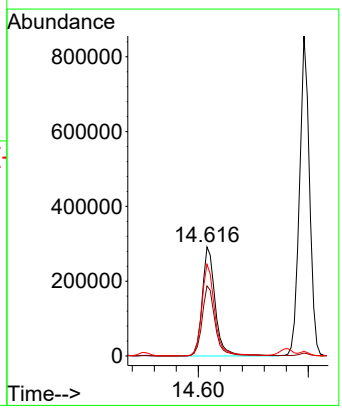


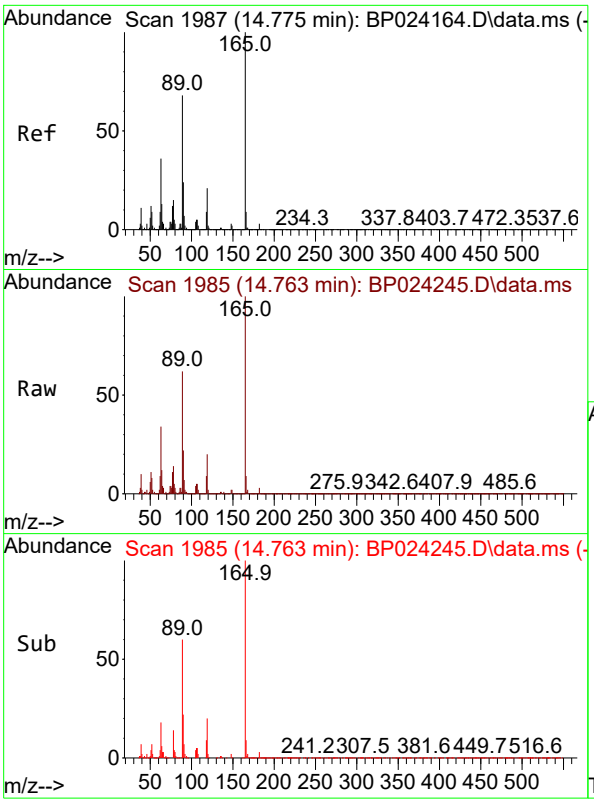


#56
4-Nitrophenol
Concen: 45.287 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:139 Resp: 477043

Ion	Ratio	Lower	Upper
139	100		
109	64.4	43.3	83.3
65	84.1	61.2	101.2



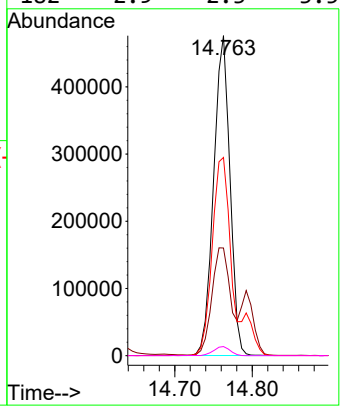


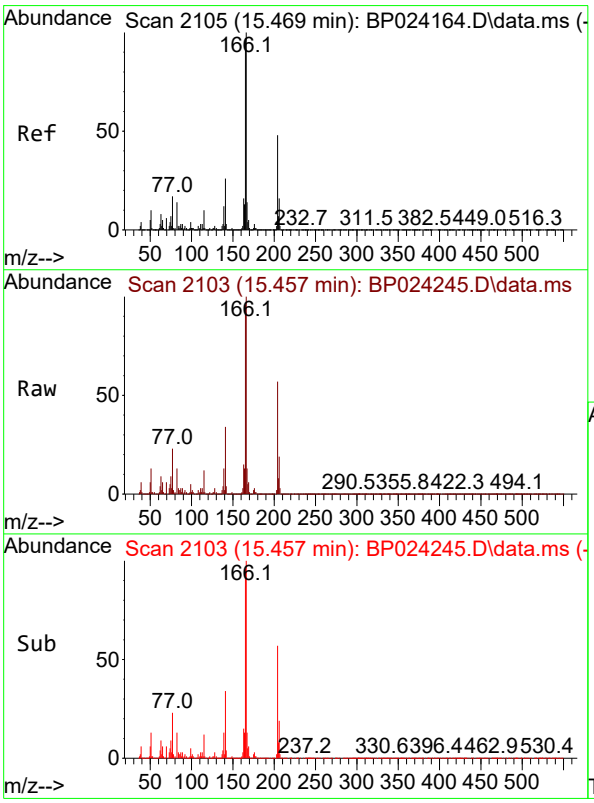
#57
2,4-Dinitrotoluene
Concen: 45.211 ng
RT: 14.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 697046

Ion	Ratio	Lower	Upper
165	100		
63	33.7	29.0	43.6
89	61.9	54.2	81.4
182	2.9	2.3	3.5

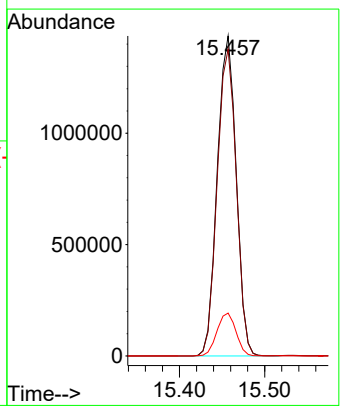


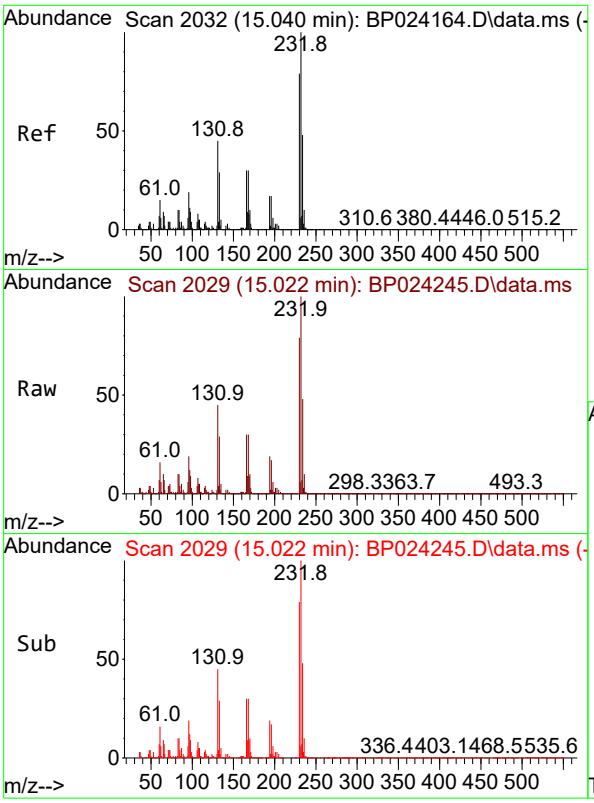


#58
Fluorene
Concen: 40.645 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:166 Resp: 2222287

Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.6	116.4
167	13.4	10.8	16.2



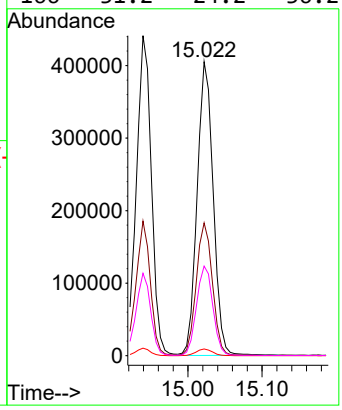


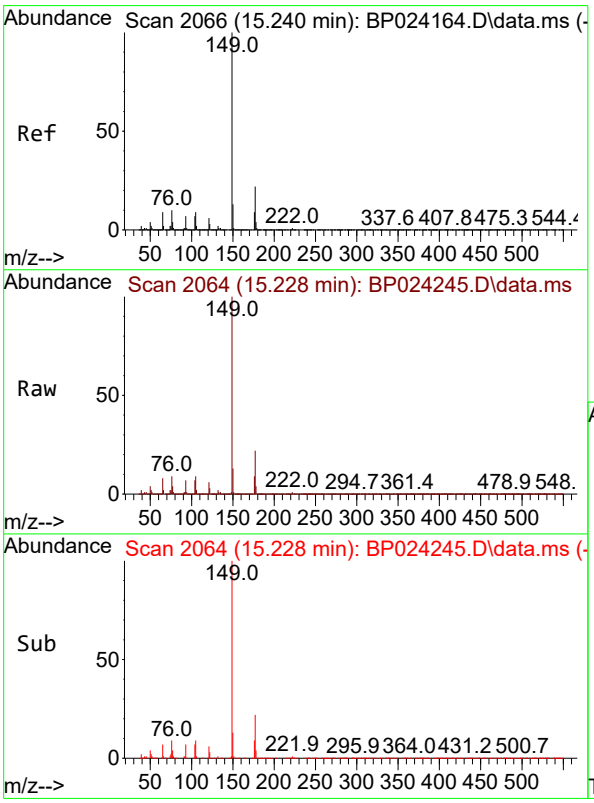
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.265 ng
RT: 15.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 610555

Ion	Ratio	Lower	Upper
232	100		
131	45.2	35.9	53.9
130	2.3	1.8	2.6
166	31.2	24.2	36.2

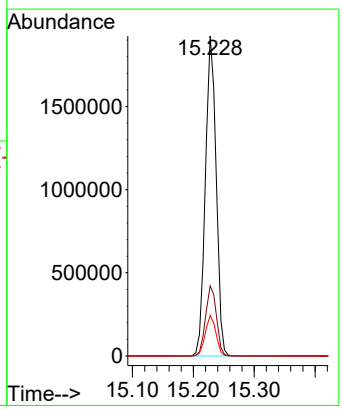


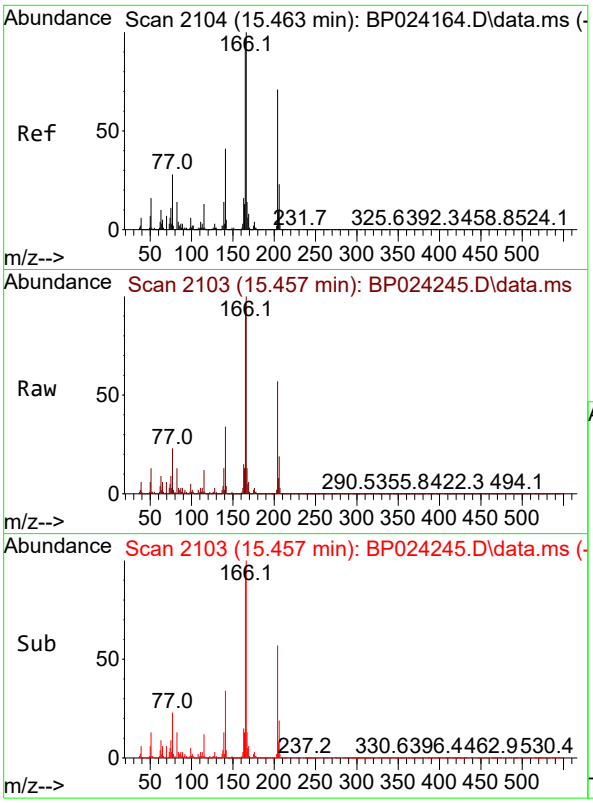


#60
Diethylphthalate
Concen: 42.855 ng
RT: 15.228 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:149 Resp: 2367427

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.7	26.5
150	12.6	10.2	15.4



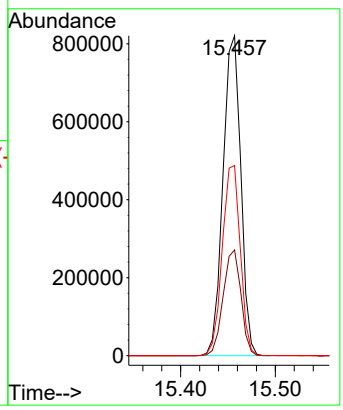


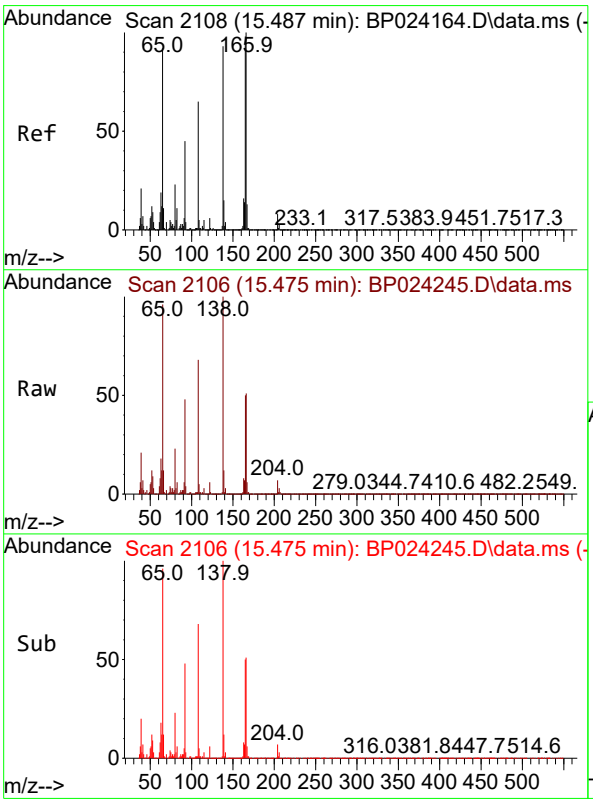
#61
4-Chlorophenyl-phenylether
Concen: 40.043 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1073818

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	59.4	45.8	68.8

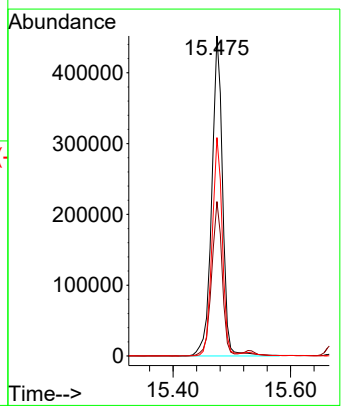


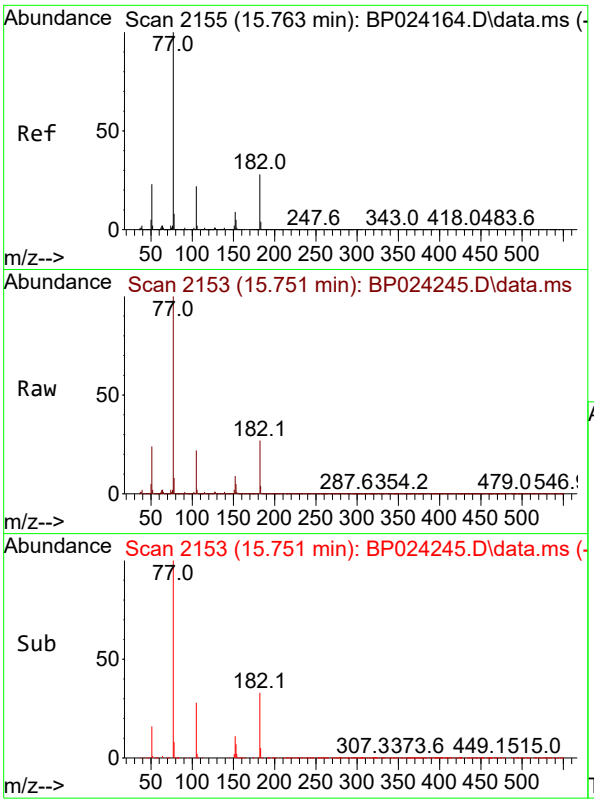


#62
4-Nitroaniline
Concen: 43.821 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:138 Resp: 579400

Ion	Ratio	Lower	Upper
138	100		
92	48.2	28.7	68.7
108	68.3	49.5	89.5



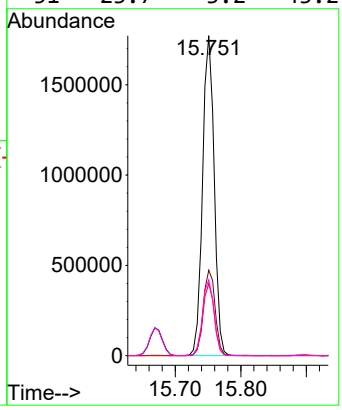


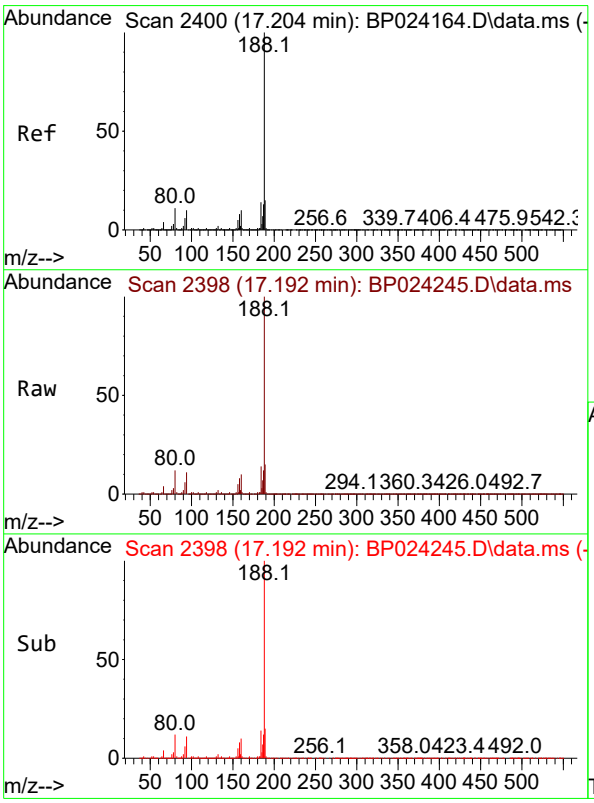
#63
Azobenzene
Concen: 41.912 ng
RT: 15.751 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 2182266

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.7	47.7
105	22.5	2.3	42.3
51	23.7	3.2	43.2

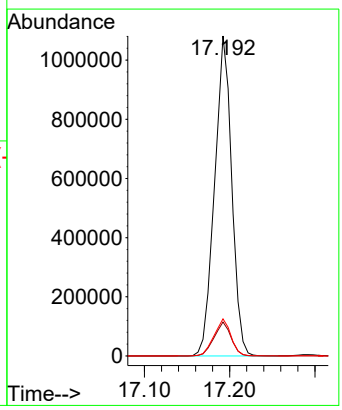


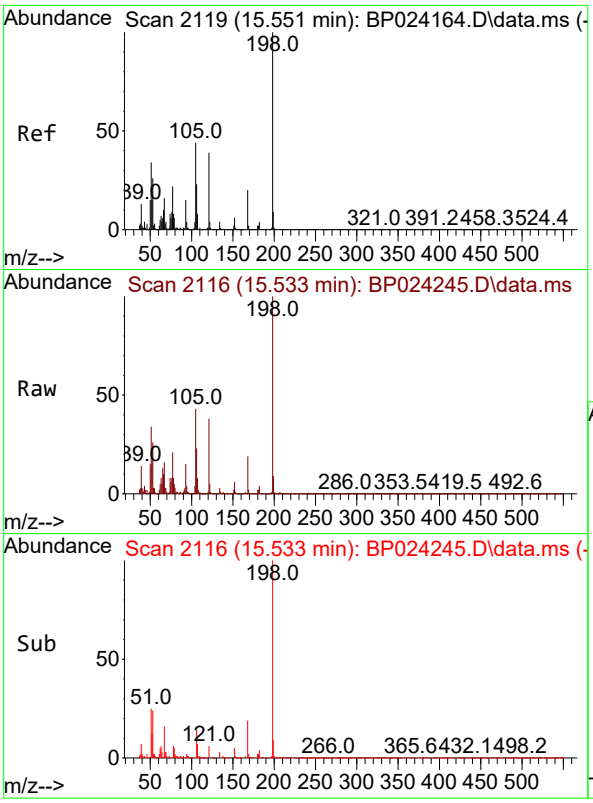


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:188 Resp: 1512089

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.6	8.9	13.3



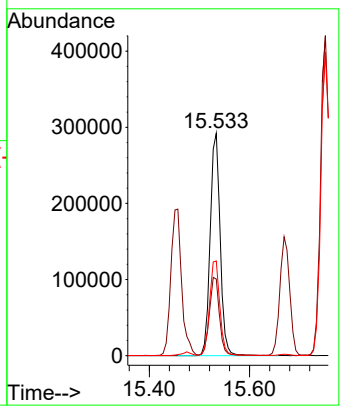


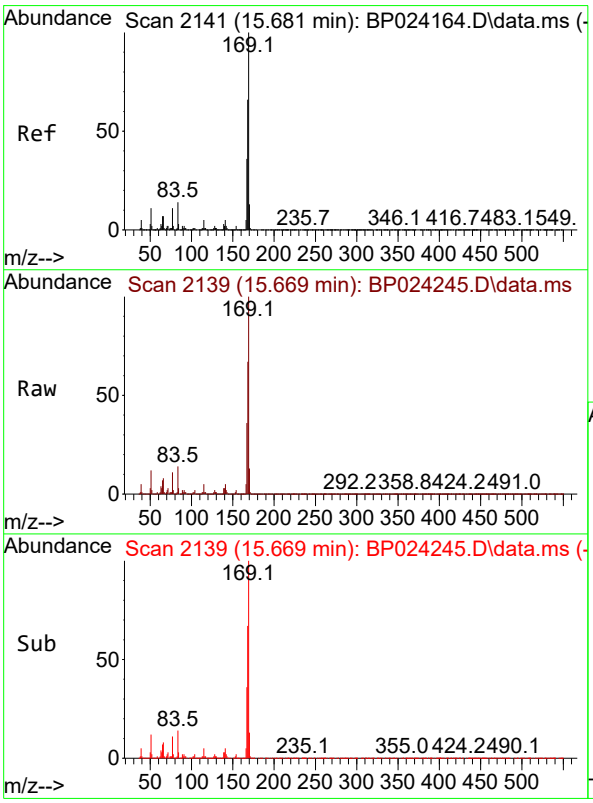
#65
4,6-Dinitro-2-methylphenol
Concen: 44.908 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 403124

Ion	Ratio	Lower	Upper
198	100		
51	34.4	14.7	54.7
105	42.6	23.8	63.8

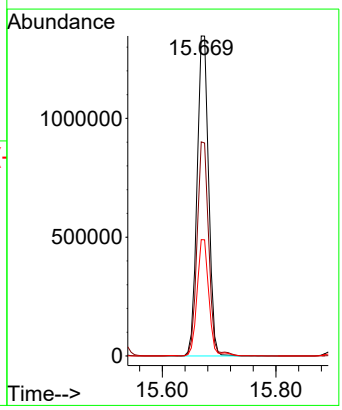


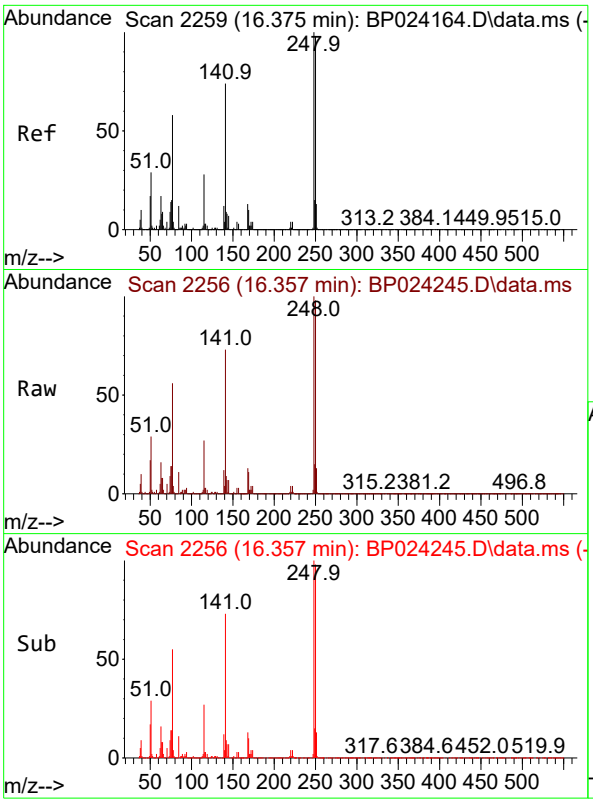


#66
n-Nitrosodiphenylamine
Concen: 41.303 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:169 Resp: 1896523

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



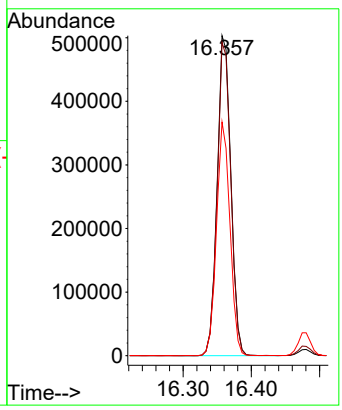


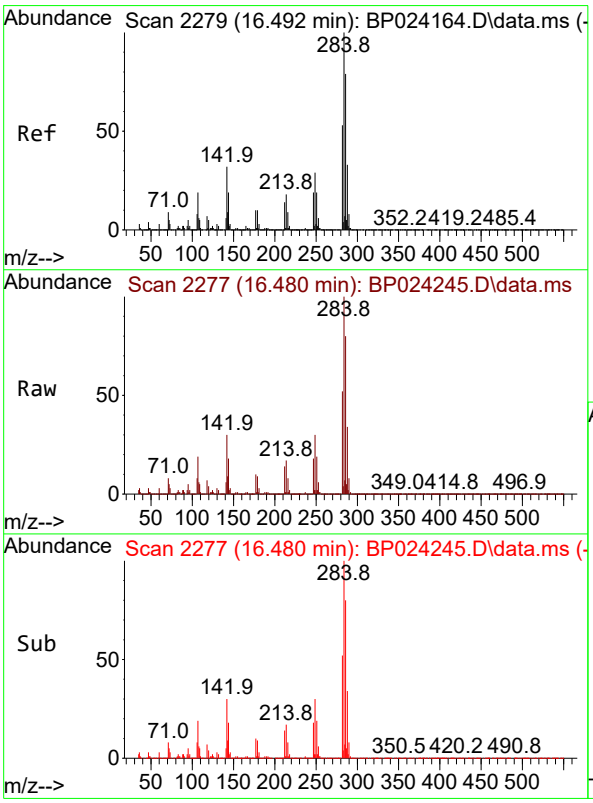
#67
4-Bromophenyl-phenylether
Concen: 42.382 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 703604

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.4	117.6
141	73.0	59.4	89.0

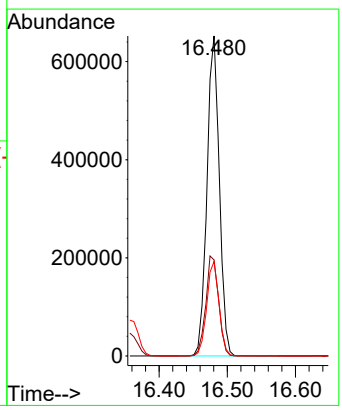


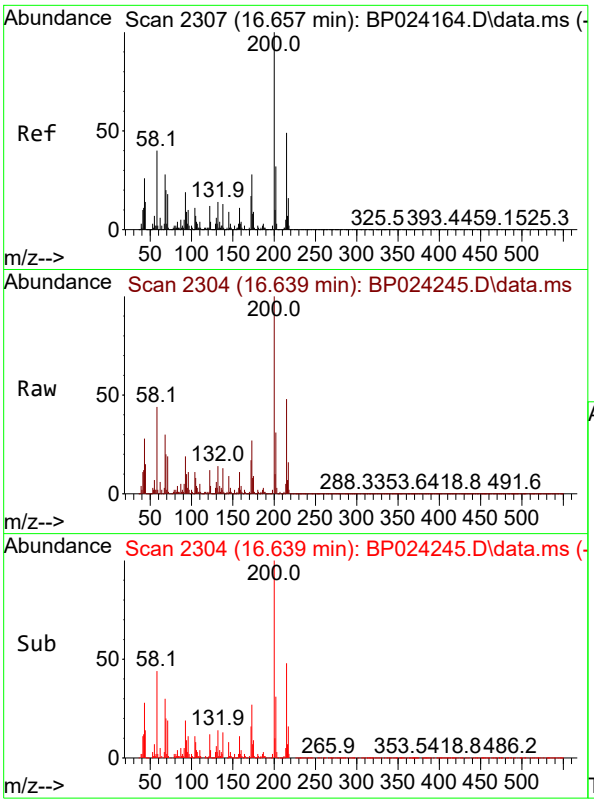


#68
Hexachlorobenzene
Concen: 41.808 ng
RT: 16.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:284 Resp: 821506

Ion	Ratio	Lower	Upper
284	100		
142	30.0	25.4	38.2
249	29.5	23.5	35.3



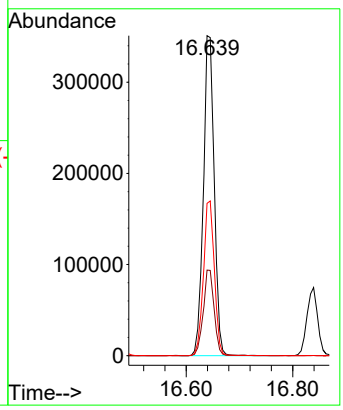


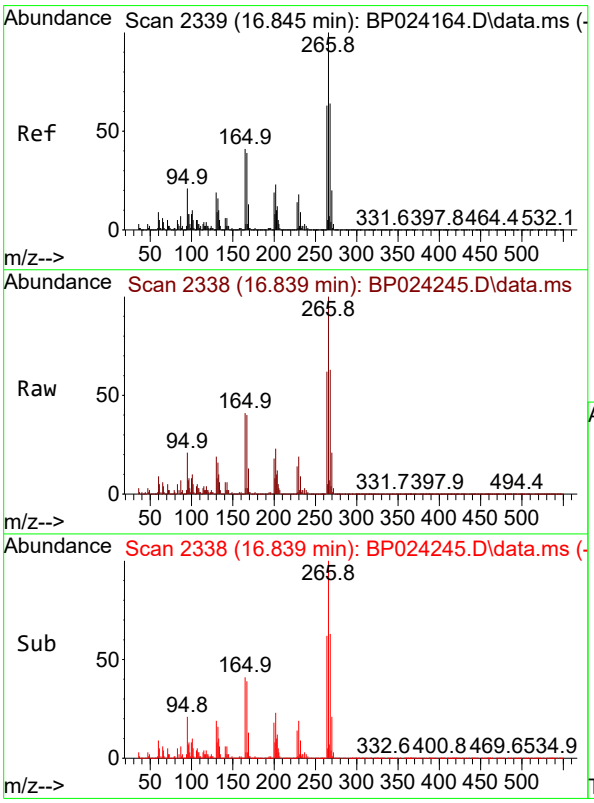
#69
Atrazine
Concen: 44.564 ng
RT: 16.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 493895

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

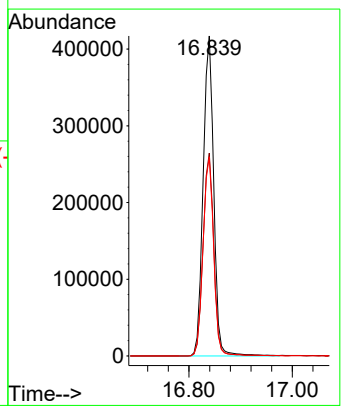


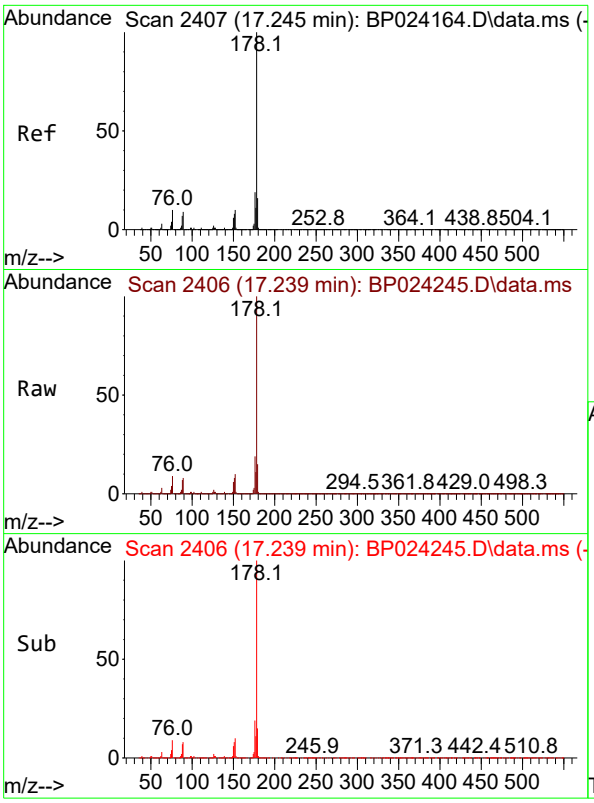


#70
Pentachlorophenol
Concen: 46.679 ng
RT: 16.839 min Scan# 2338
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:266 Resp: 593155

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.3	76.9
264	62.2	50.6	76.0



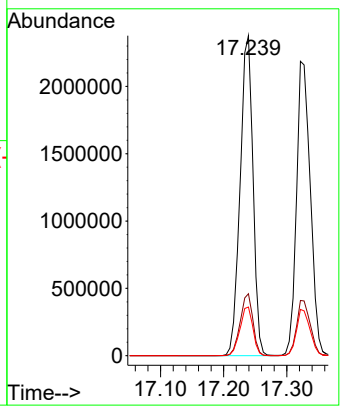


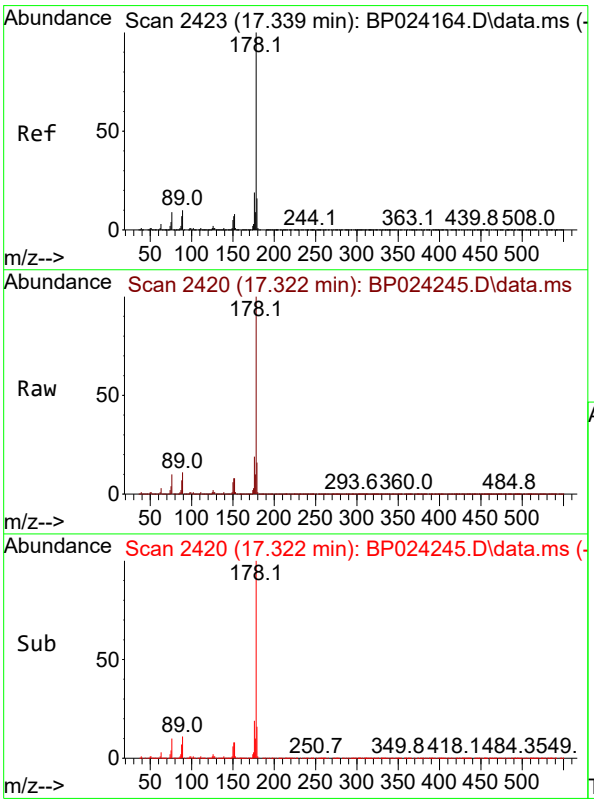
#71
Phenanthrene
Concen: 40.763 ng
RT: 17.239 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 3367198

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.5	18.7

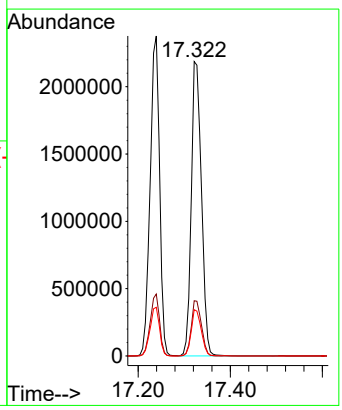


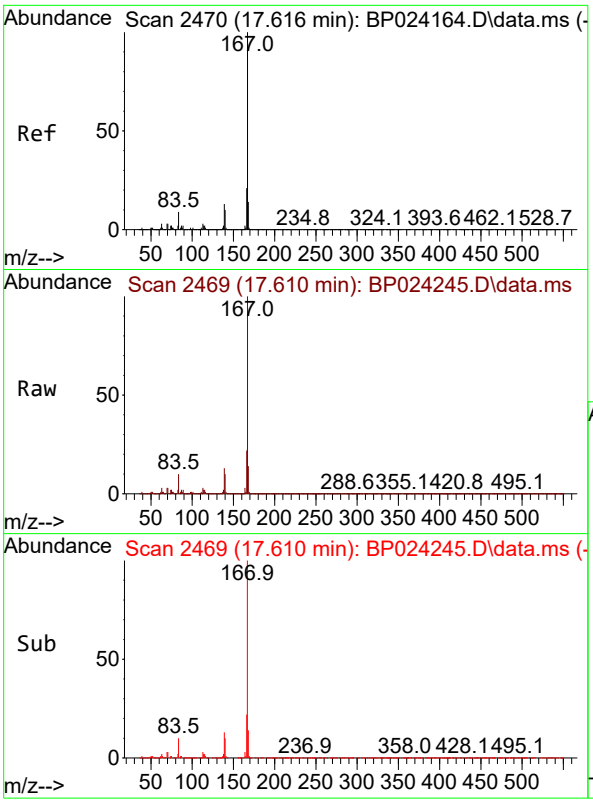


#72
Anthracene
Concen: 41.501 ng
RT: 17.322 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:178 Resp: 3338895

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.7	12.6	18.8



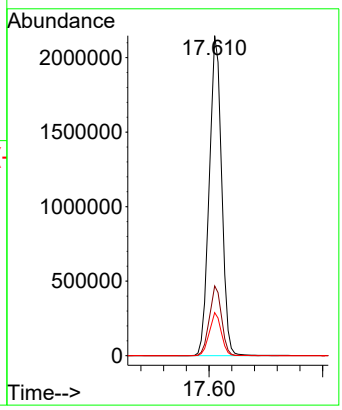


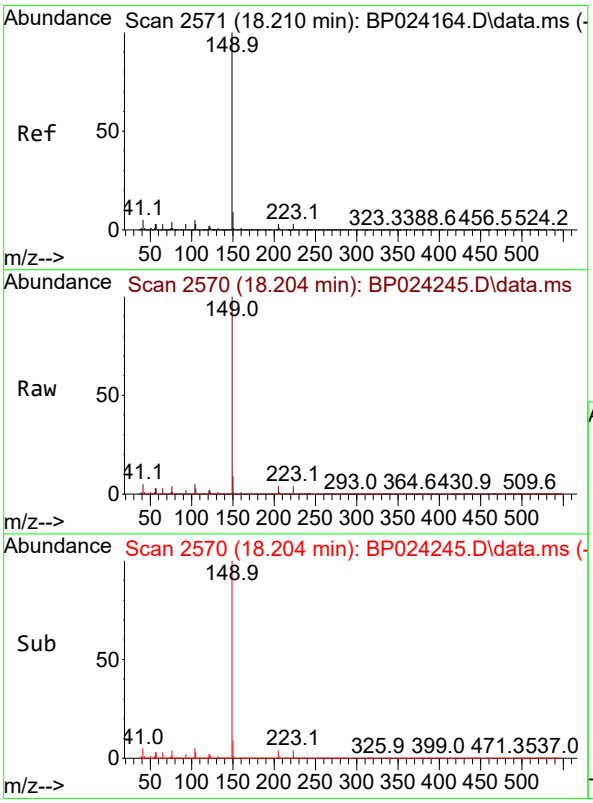
#73
Carbazole
Concen: 41.661 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3232369

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.5	10.2	15.4

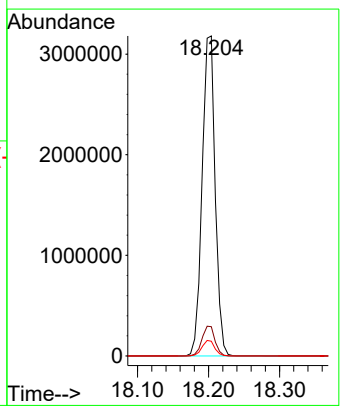


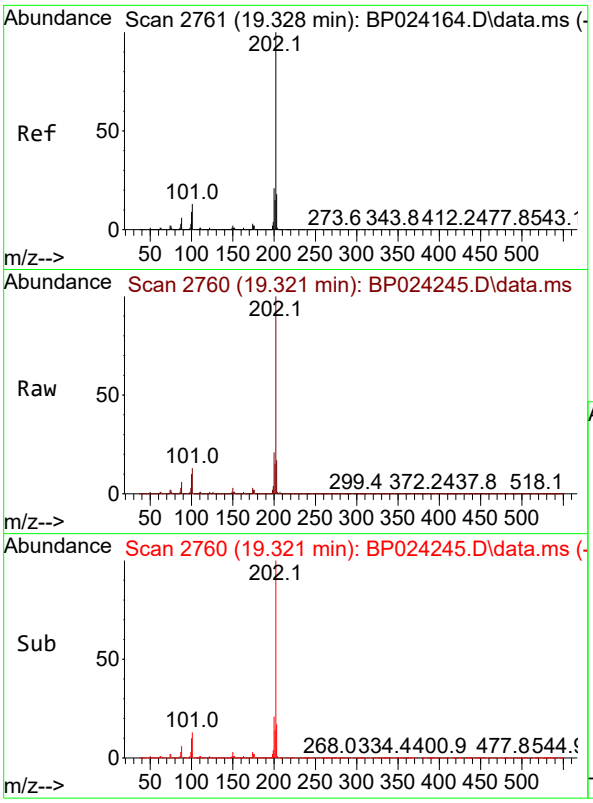


#74
Di-n-butylphthalate
Concen: 44.136 ng
RT: 18.204 min Scan# 2570
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:149 Resp: 4065165

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.6	11.4
104	4.6	3.9	5.9



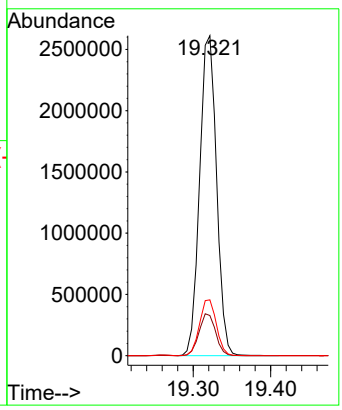


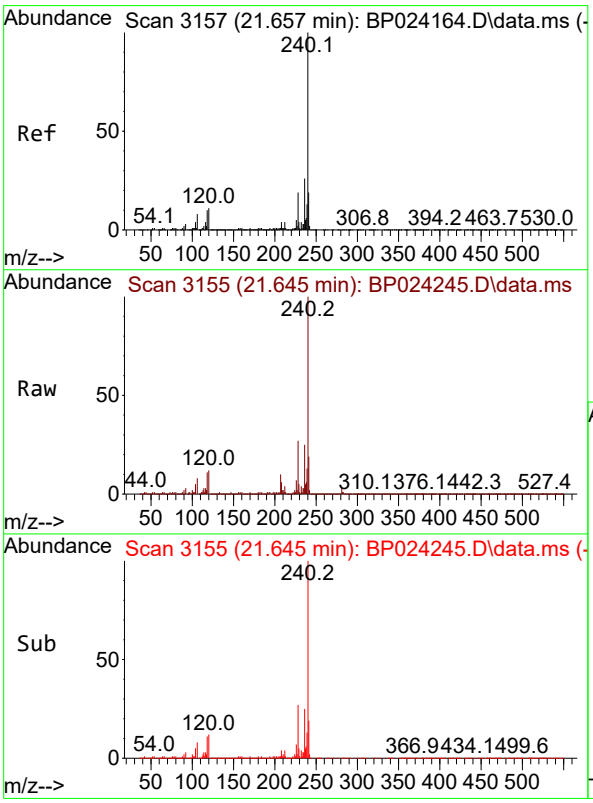
#75
Fluoranthene
Concen: 41.312 ng
RT: 19.321 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3952330

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.5
203	17.5	0.0	37.9

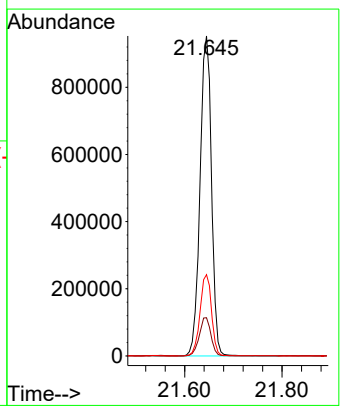


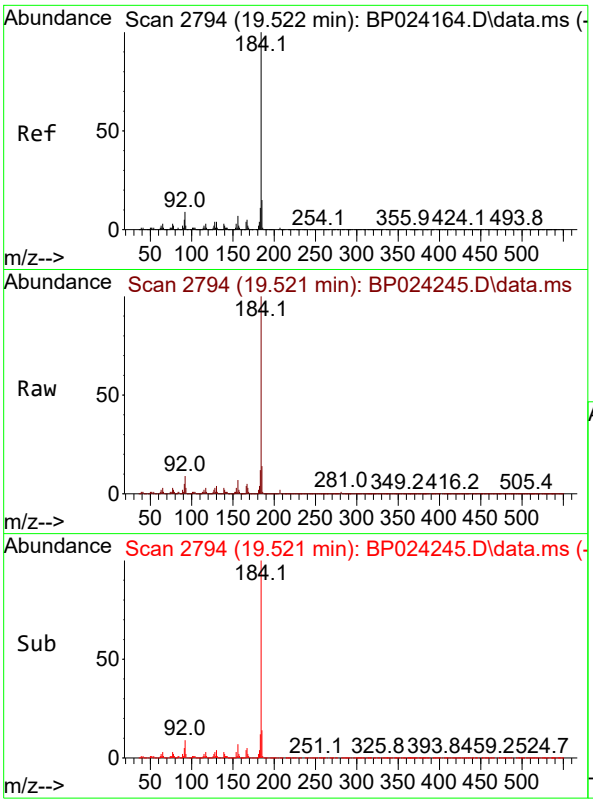


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:240 Resp: 1553360

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.2	13.8
236	25.4	20.4	30.6



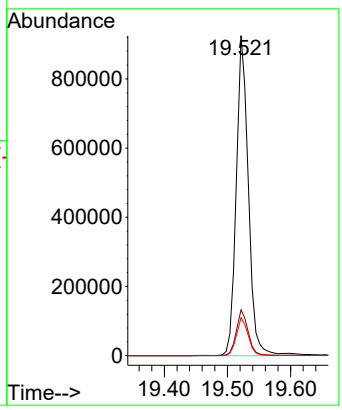


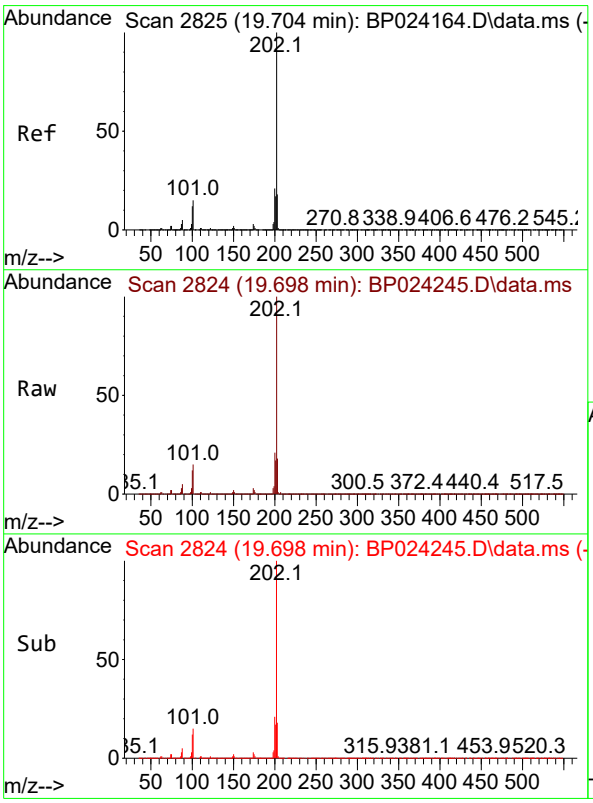
#77
Benzidine
Concen: 72.243 ng
RT: 19.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1226948

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.9	9.1	13.7

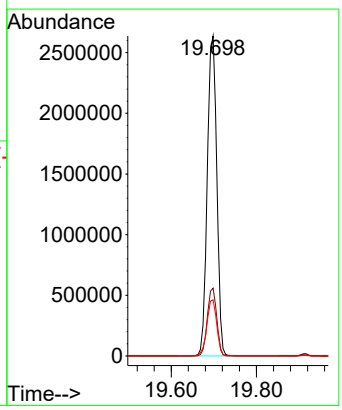


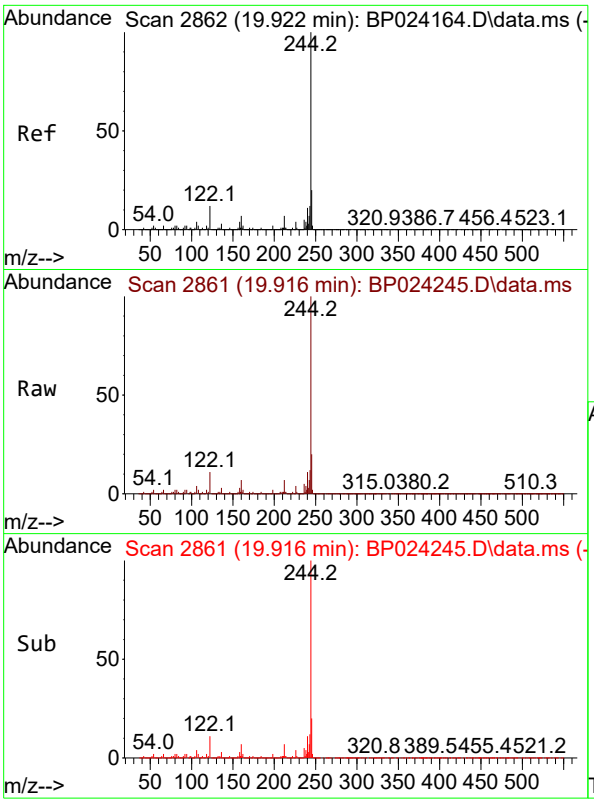


#78
Pyrene
Concen: 42.267 ng
RT: 19.698 min Scan# 2824
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:202 Resp: 4081765

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.6	14.2	21.4



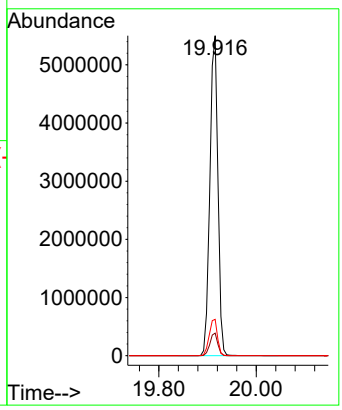


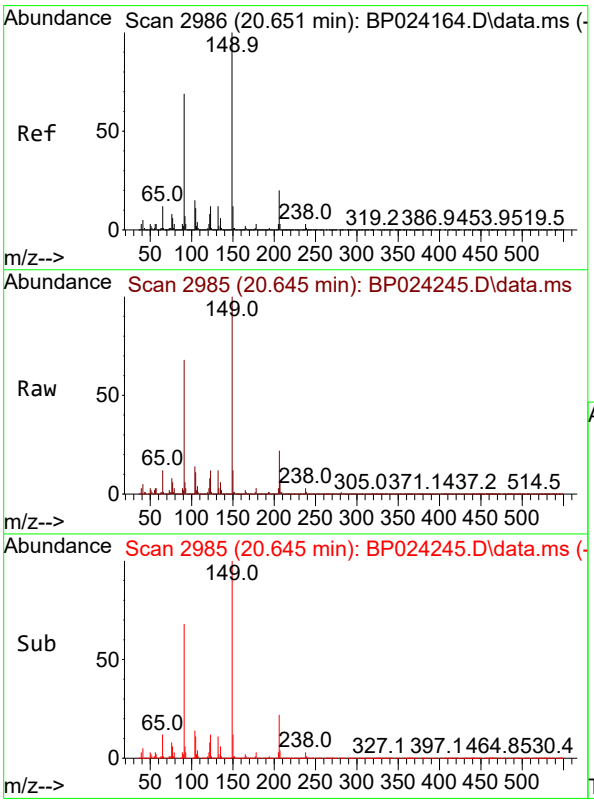
#79
Terphenyl-d14
Concen: 83.072 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6251322

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

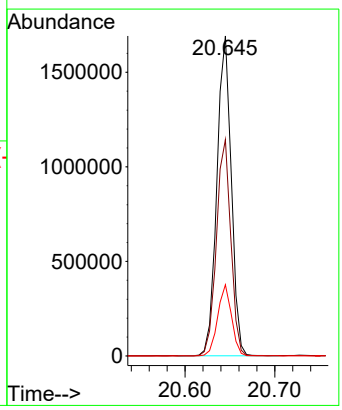


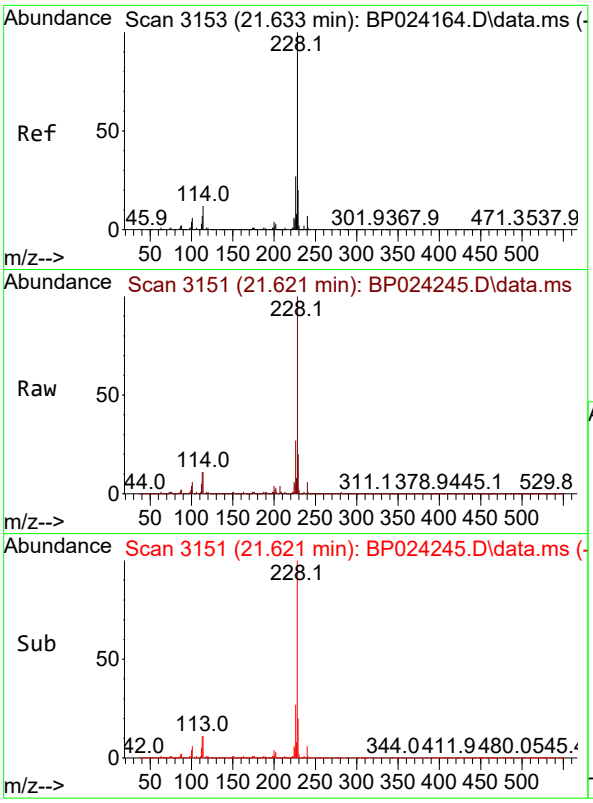


#80
Butylbenzylphthalate
Concen: 47.218 ng
RT: 20.645 min Scan# 2985
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:149 Resp: 1880429

Ion	Ratio	Lower	Upper
149	100		
91	67.6	55.3	82.9
206	22.3	16.1	24.1



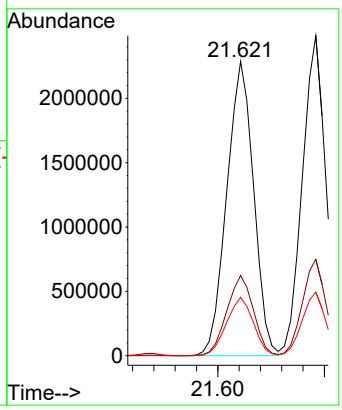


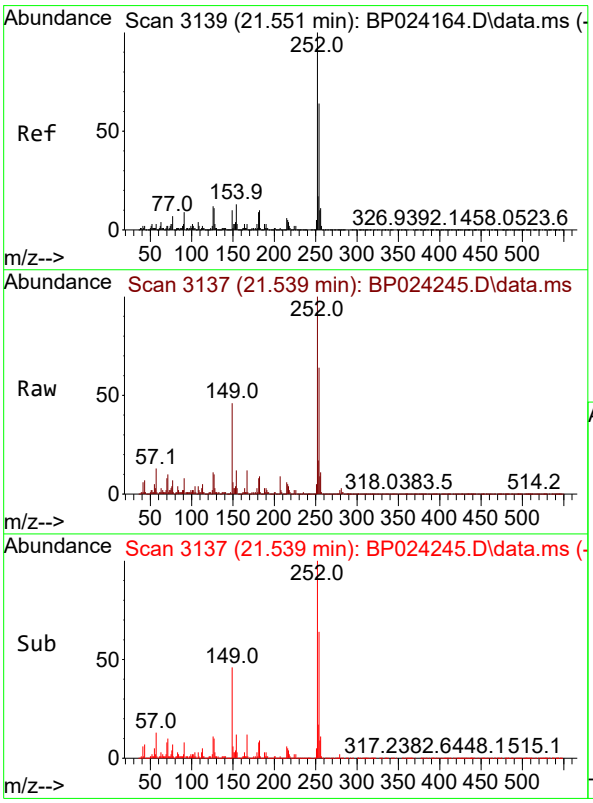
#81
Benzo(a)anthracene
Concen: 41.454 ng
RT: 21.621 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 4003511

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.8	16.0	24.0

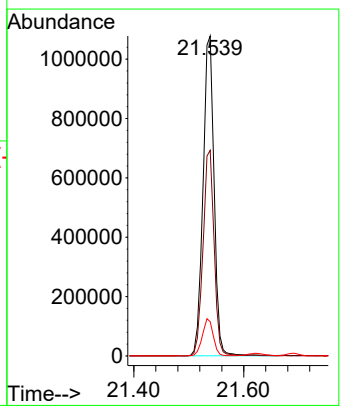


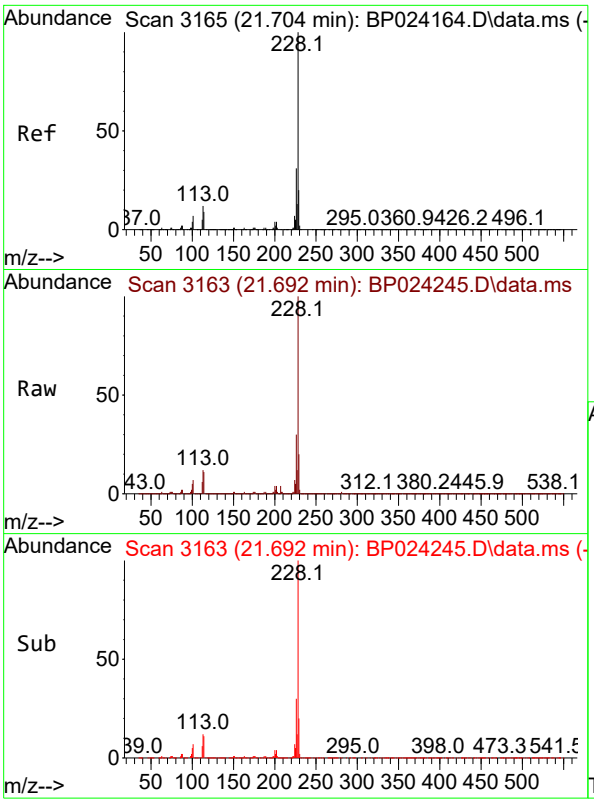


#82
3,3'-Dichlorobenzidine
Concen: 46.475 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:252 Resp: 1504299

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	10.7	9.3	13.9



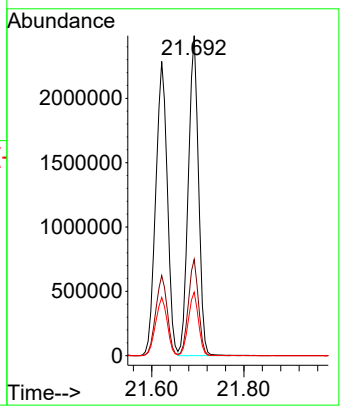


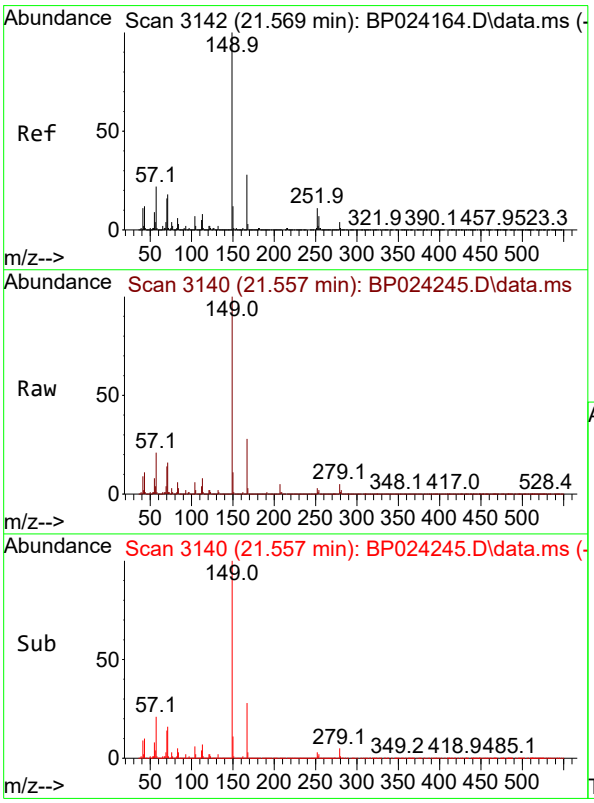
#83
Chrysene
Concen: 40.878 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3795154

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.9	16.2	24.2

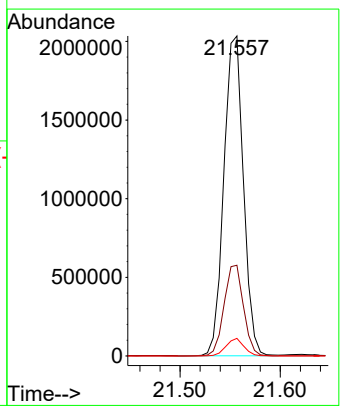


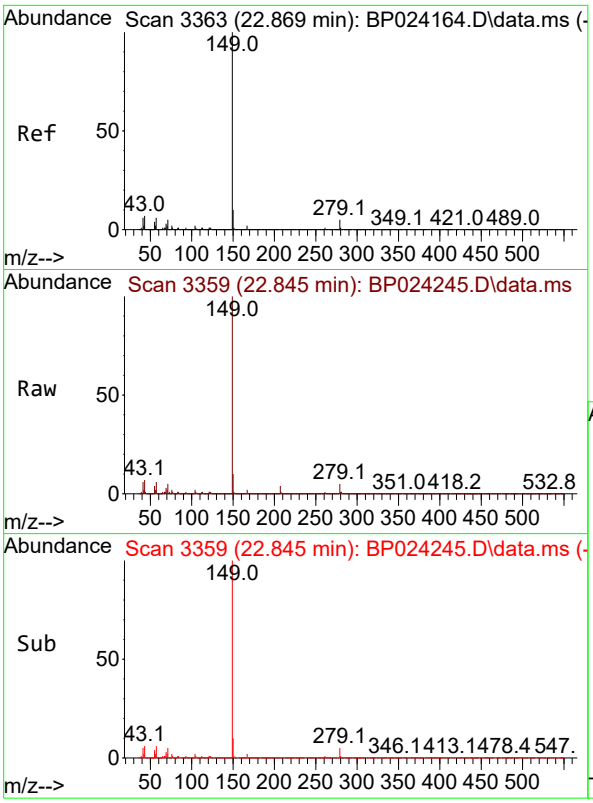


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.806 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:149 Resp: 2752546

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.5	33.7
279	5.5	3.6	5.4#



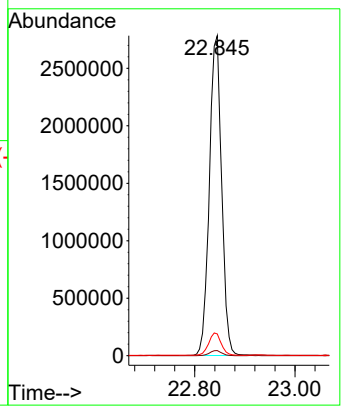


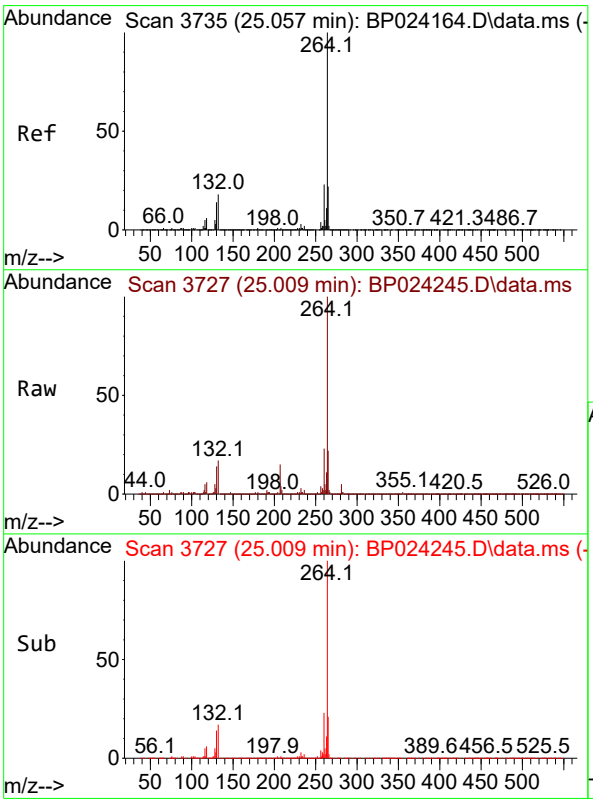
#85
Di-n-octyl phthalate
Concen: 49.115 ng
RT: 22.845 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 4728701

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.8

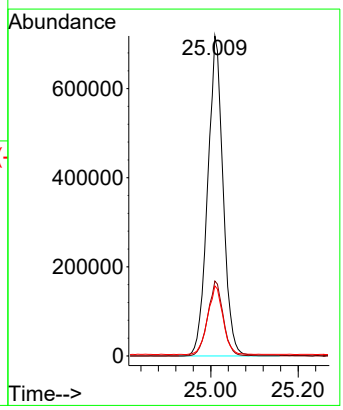


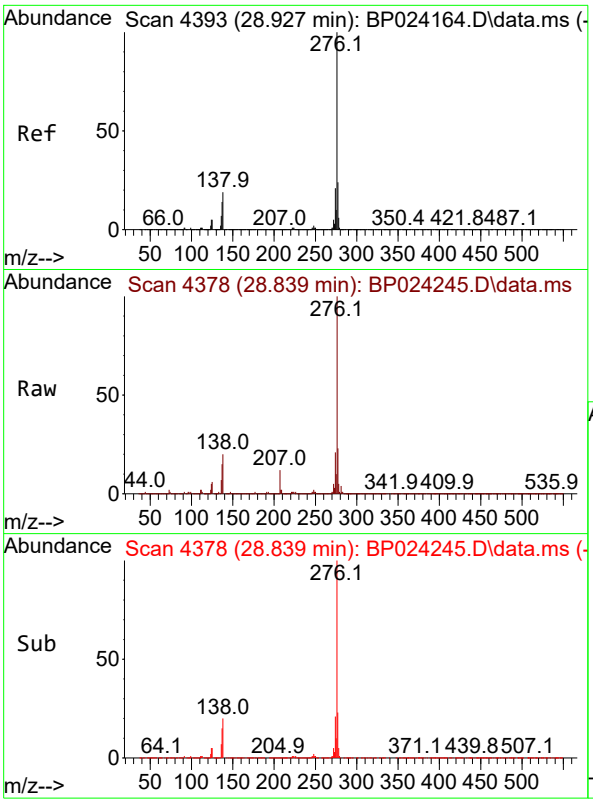


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3727
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:264 Resp: 1762598

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.9	17.7	26.5



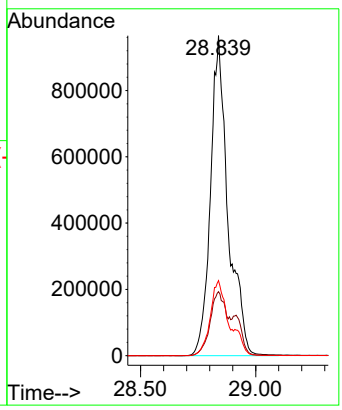


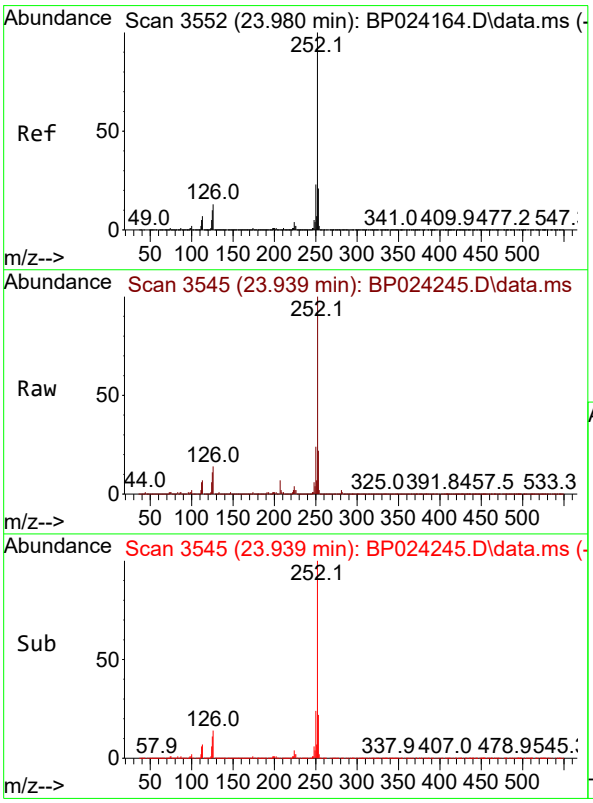
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.440 ng
RT: 28.839 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 5097812

Ion	Ratio	Lower	Upper
276	100		
138	19.0	13.7	20.5
277	21.6	20.2	30.2

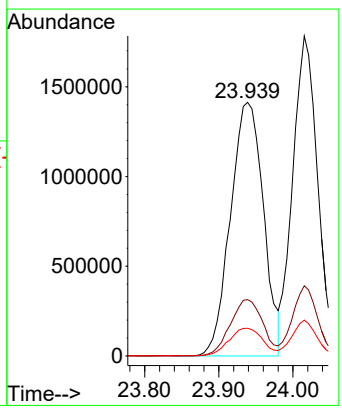


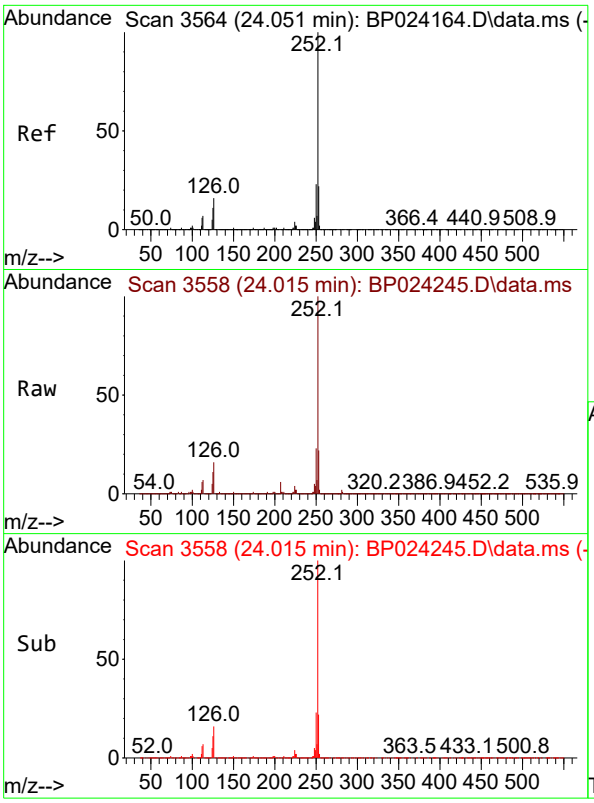


#88
Benzo(b)fluoranthene
Concen: 41.114 ng
RT: 23.939 min Scan# 3545
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:252 Resp: 4369312

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	10.9	8.2	12.4



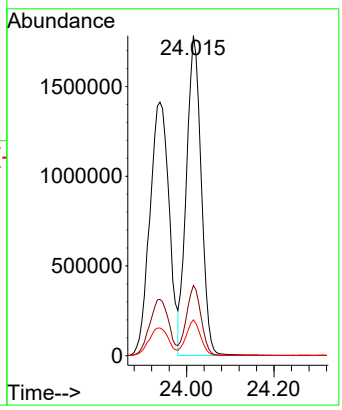


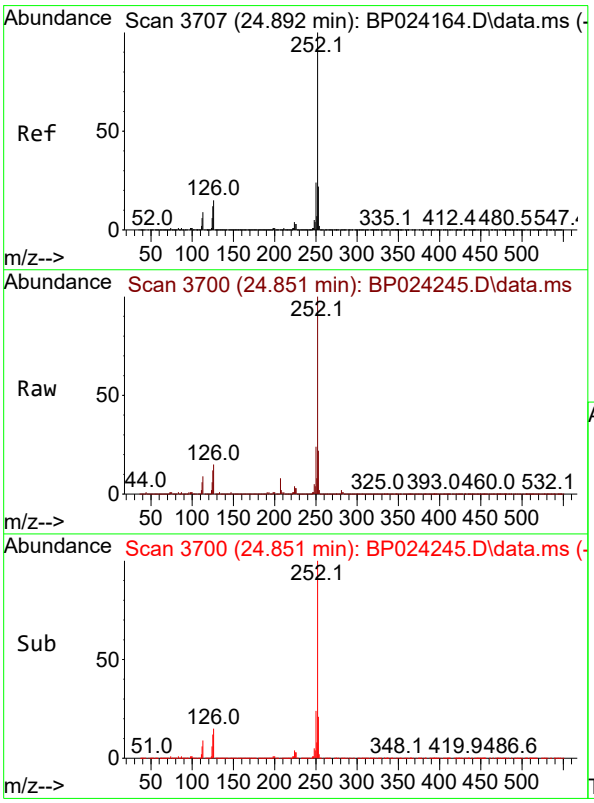
#89
Benzo(k)fluoranthene
Concen: 40.109 ng
RT: 24.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 4169608

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.2	9.1	13.7

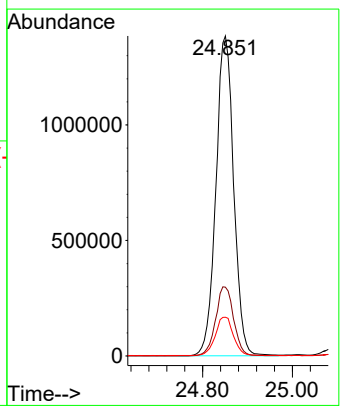


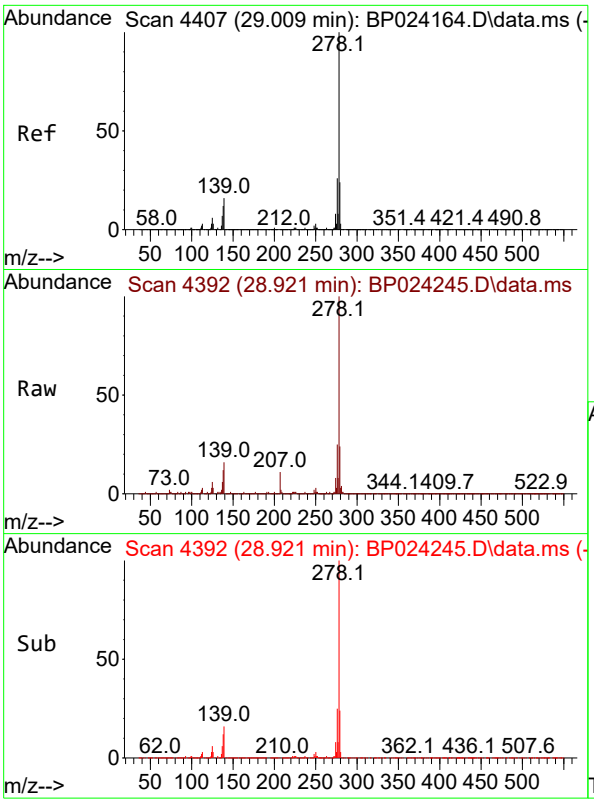


#90
Benzo(a)pyrene
Concen: 41.241 ng
RT: 24.851 min Scan# 3700
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:252 Resp: 3811205

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	12.1	9.6	14.4



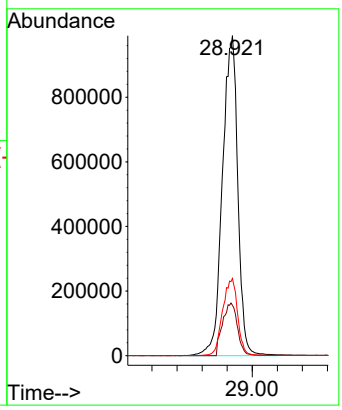


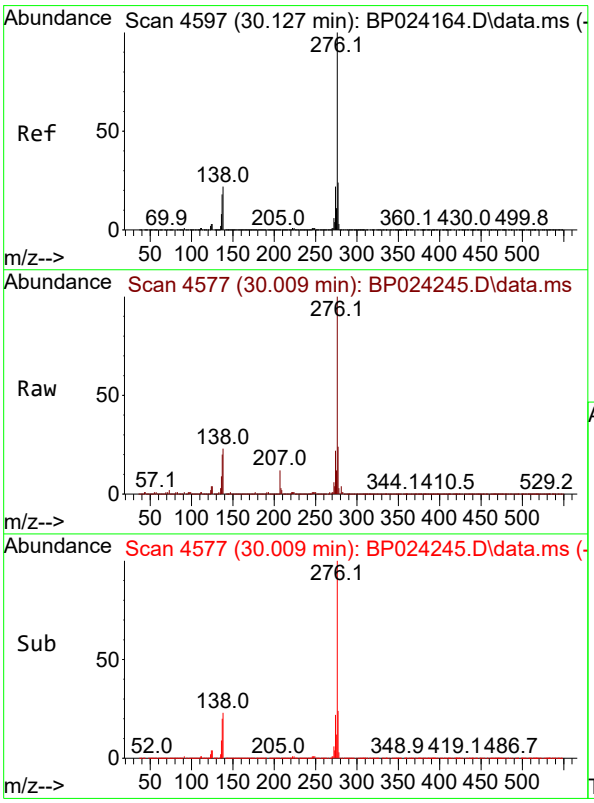
#91
Dibenzo(a,h)anthracene
Concen: 41.076 ng
RT: 28.921 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 4203848

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.0	19.4
279	24.1	18.8	28.2

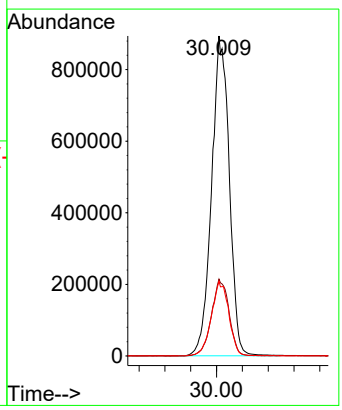




#92
Benzo(g,h,i)perylene
Concen: 40.749 ng
RT: 30.009 min Scan# 4577
Delta R.T. 0.000 min
Lab File: BP024245.D
Acq: 10 Apr 2025 09:46

Tgt Ion:276 Resp: 4239375

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.3	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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	84	0.00
2		1,4-Dioxane	0.497	0.491	1.2	88	0.00
3		Pyridine	1.358	1.360	-0.1	87	0.00
4		n-Nitrosodimethylamine	0.454	0.460	-1.3	90	0.00
5	S	2-Fluorophenol	1.253	1.288	-2.8	90	0.00
6		Aniline	1.527	1.600	-4.8	91	0.00
7	S	Phenol-d6	1.675	1.722	-2.8	89	0.00
8		2-Chlorophenol	1.353	1.391	-2.8	90	0.00
9		Benzaldehyde	0.809	0.754	6.8	82	0.00
10	C	Phenol	1.691	1.720	-1.7	89	0.00
11		bis(2-Chloroethyl)ether	1.334	1.345	-0.8	89	0.00
12		1,3-Dichlorobenzene	1.459	1.480	-1.4	90	0.00
13	C	1,4-Dichlorobenzene	1.490	1.507	-1.1	90	0.00
14		1,2-Dichlorobenzene	1.430	1.443	-0.9	89	0.00
15		Benzyl Alcohol	1.061	1.144	-7.8	92	0.00
16		2,2'-oxybis(1-Chloropropane	1.361	1.415	-4.0	92	0.00
17		2-Methylphenol	1.061	1.118	-5.4	91	0.00
18		Hexachloroethane	0.529	0.538	-1.7	89	0.00
19	P	n-Nitroso-di-n-propylamine	0.972	1.019	-4.8	89	0.00
20		3+4-Methylphenols	1.457	1.542	-5.8	91	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22		Acetophenone	0.506	0.514	-1.6	89	0.00
23	S	Nitrobenzene-d5	0.354	0.366	-3.4	89	0.00
24		Nitrobenzene	0.350	0.364	-4.0	91	0.00
25		Isophorone	0.608	0.646	-6.3	92	0.00
26	C	2-Nitrophenol	0.167	0.190	-13.8	95	0.00
27		2,4-Dimethylphenol	0.215	0.225	-4.7	90	0.00
28		bis(2-Chloroethoxy)methane	0.427	0.432	-1.2	88	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	89	0.00
30		1,2,4-Trichlorobenzene	0.321	0.326	-1.6	90	0.00
31		Naphthalene	1.060	1.084	-2.3	90	0.00
32		Benzoic acid	0.209	0.262	-25.4#	103	0.00
33		4-Chloroaniline	0.379	0.399	-5.3	91	0.00
34	C	Hexachlorobutadiene	0.185	0.191	-3.2	91	0.00
35		Caprolactam	0.095	0.107	-12.6	95	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.342	-9.3	93	0.00
37		2-Methylnaphthalene	0.716	0.736	-2.8	90	0.00
38		1-Methylnaphthalene	0.697	0.717	-2.9	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.591	-2.2	90	0.00
41	P	Hexachlorocyclopentadiene	0.208	0.220	-5.8	88	0.00
42	S	2,4,6-Tribromophenol	0.252	0.289	-14.7	98	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.401	-9.3	92	0.00
44		2,4,5-Trichlorophenol	0.403	0.437	-8.4	91	0.00
45	S	2-Fluorobiphenyl	1.356	1.375	-1.4	89	0.00
46		1,1'-Biphenyl	1.503	1.546	-2.9	90	0.00
47		2-Chloronaphthalene	1.130	1.164	-3.0	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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	0.328	-13.5	96	0.00
49		Acenaphthylene	1.710	1.814	-6.1	93	0.00
50		Dimethylphthalate	1.399	1.457	-4.1	91	0.00
51		2,6-Dinitrotoluene	0.294	0.319	-8.5	93	0.00
52	C	Acenaphthene	1.093	1.118	-2.3	90	0.00
53		3-Nitroaniline	0.318	0.343	-7.9	91	0.00
54	P	2,4-Dinitrophenol	0.156	0.187	-19.9	100	0.00
55		Dibenzofuran	1.770	1.831	-3.4	91	0.00
56	P	4-Nitrophenol	0.266	0.301	-13.2	93	0.00
57		2,4-Dinitrotoluene	0.389	0.440	-13.1	95	0.00
58		Fluorene	1.379	1.402	-1.7	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.356	0.385	-8.1	92	0.00
60		Diethylphthalate	1.394	1.493	-7.1	94	0.00
61		4-Chlorophenyl-phenylether	0.676	0.677	-0.1	88	0.00
62		4-Nitroaniline	0.334	0.365	-9.3	91	0.00
63		Azobenzene	1.314	1.376	-4.7	91	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.133	-11.8	98	0.00
66	c	n-Nitrosodiphenylamine	0.607	0.627	-3.3	92	0.00
67		4-Bromophenyl-phenylether	0.220	0.233	-5.9	94	0.00
68		Hexachlorobenzene	0.260	0.272	-4.6	94	0.00
69		Atrazine	0.147	0.163	-10.9	106	0.00
70	C	Pentachlorophenol	0.168	0.196	-16.7	97	0.00
71		Phenanthrene	1.093	1.113	-1.8	90	0.00
72		Anthracene	1.064	1.104	-3.8	91	0.00
73		Carbazole	1.026	1.069	-4.2	90	0.00
74		Di-n-butylphthalate	1.218	1.344	-10.3	94	0.00
75	C	Fluoranthene	1.265	1.307	-3.3	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77		Benzidine	0.219	0.395	-80.4#	127	0.00
78		Pyrene	1.243	1.314	-5.7	90	0.00
79	S	Terphenyl-d14	0.969	1.006	-3.8	88	0.00
80		Butylbenzylphthalate	0.513	0.605	-17.9	95	0.00
81		Benzo(a)anthracene	1.243	1.289	-3.7	88	0.00
82		3,3'-Dichlorobenzidine	0.417	0.484	-16.1	93	0.00
83		Chrysene	1.195	1.222	-2.3	87	0.00
84		Bis(2-ethylhexyl)phthalate	0.774	0.886	-14.5	92	0.00
85	c	Di-n-octyl phthalate	1.240	1.522	-22.7#	99	0.00
86	I	Perylene-d12	1.000	1.000	0.0	86	0.00
87		Indeno(1,2,3-cd)pyrene	1.396	1.446	-3.6	91	0.00
88		Benzo(b)fluoranthene	1.206	1.239	-2.7	90	0.00
89		Benzo(k)fluoranthene	1.180	1.183	-0.3	90	0.00
90	C	Benzo(a)pyrene	1.049	1.081	-3.1	91	0.00
91		Dibenzo(a,h)anthracene	1.161	1.193	-2.8	90	0.00
92		Benzo(g,h,i)perylene	1.180	1.203	-1.9	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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	84	0.00
2		1,4-Dioxane	40.000	39.562	1.1	88	0.00
3		Pyridine	40.000	40.059	-0.1	87	0.00
4		n-Nitrosodimethylamine	40.000	40.550	-1.4	90	0.00
5	S	2-Fluorophenol	80.000	82.248	-2.8	90	0.00
6		Aniline	40.000	41.933	-4.8	91	0.00
7	S	Phenol-d6	80.000	82.228	-2.8	89	0.00
8		2-Chlorophenol	40.000	41.104	-2.8	90	0.00
9		Benzaldehyde	40.000	37.315	6.7	82	0.00
10	C	Phenol	40.000	40.683	-1.7	89	0.00
11		bis(2-Chloroethyl)ether	40.000	40.321	-0.8	89	0.00
12		1,3-Dichlorobenzene	40.000	40.562	-1.4	90	0.00
13	C	1,4-Dichlorobenzene	40.000	40.461	-1.2	90	0.00
14		1,2-Dichlorobenzene	40.000	40.368	-0.9	89	0.00
15		Benzyl Alcohol	40.000	43.130	-7.8	92	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.583	-4.0	92	0.00
17		2-Methylphenol	40.000	42.175	-5.4	91	0.00
18		Hexachloroethane	40.000	40.730	-1.8	89	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.949	-4.9	89	0.00
20		3+4-Methylphenols	40.000	42.320	-5.8	91	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22		Acetophenone	40.000	40.685	-1.7	89	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	89	0.00
24		Nitrobenzene	40.000	41.671	-4.2	91	0.00
25		Isophorone	40.000	42.547	-6.4	92	0.00
26	C	2-Nitrophenol	40.000	45.474	-13.7	95	0.00
27		2,4-Dimethylphenol	40.000	41.987	-5.0	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.382	-1.0	88	0.00
29	C	2,4-Dichlorophenol	40.000	42.522	-6.3	89	0.00
30		1,2,4-Trichlorobenzene	40.000	40.670	-1.7	90	0.00
31		Naphthalene	40.000	40.891	-2.2	90	0.00
32		Benzoic acid	40.000	50.123	-25.3#	103	0.00
33		4-Chloroaniline	40.000	42.073	-5.2	91	0.00
34	C	Hexachlorobutadiene	40.000	41.454	-3.6	91	0.00
35		Caprolactam	40.000	45.063	-12.7	95	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.625	-9.1	93	0.00
37		2-Methylnaphthalene	40.000	41.131	-2.8	90	0.00
38		1-Methylnaphthalene	40.000	41.185	-3.0	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.913	-2.3	90	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.270	-5.7	88	0.00
42	S	2,4,6-Tribromophenol	80.000	91.762	-14.7	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.661	-9.2	92	0.00
44		2,4,5-Trichlorophenol	40.000	43.426	-8.6	91	0.00
45	S	2-Fluorobiphenyl	80.000	81.124	-1.4	89	0.00
46		1,1'-Biphenyl	40.000	41.135	-2.8	90	0.00
47		2-Chloronaphthalene	40.000	41.175	-2.9	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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	45.334	-13.3	96	0.00
49		Acenaphthylene	40.000	42.414	-6.0	93	0.00
50		Dimethylphthalate	40.000	41.647	-4.1	91	0.00
51		2,6-Dinitrotoluene	40.000	43.361	-8.4	93	0.00
52	C	Acenaphthene	40.000	40.903	-2.3	90	0.00
53		3-Nitroaniline	40.000	43.135	-7.8	91	0.00
54	P	2,4-Dinitrophenol	40.000	48.109	-20.3	100	0.00
55		Dibenzofuran	40.000	41.368	-3.4	91	0.00
56	P	4-Nitrophenol	40.000	45.287	-13.2	93	0.00
57		2,4-Dinitrotoluene	40.000	45.211	-13.0	95	0.00
58		Fluorene	40.000	40.645	-1.6	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.265	-8.2	92	0.00
60		Diethylphthalate	40.000	42.855	-7.1	94	0.00
61		4-Chlorophenyl-phenylether	40.000	40.043	-0.1	88	0.00
62		4-Nitroaniline	40.000	43.821	-9.6	91	0.00
63		Azobenzene	40.000	41.912	-4.8	91	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.908	-12.3	98	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.303	-3.3	92	0.00
67		4-Bromophenyl-phenylether	40.000	42.382	-6.0	94	0.00
68		Hexachlorobenzene	40.000	41.808	-4.5	94	0.00
69		Atrazine	40.000	44.564	-11.4	106	0.00
70	C	Pentachlorophenol	40.000	46.679	-16.7	97	0.00
71		Phenanthrene	40.000	40.763	-1.9	90	0.00
72		Anthracene	40.000	41.501	-3.8	91	0.00
73		Carbazole	40.000	41.661	-4.2	90	0.00
74		Di-n-butylphthalate	40.000	44.136	-10.3	94	0.00
75	C	Fluoranthene	40.000	41.312	-3.3	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77		Benzidine	40.000	72.243	-80.6#	127	0.00
78		Pyrene	40.000	42.267	-5.7	90	0.00
79	S	Terphenyl-d14	80.000	83.072	-3.8	88	0.00
80		Butylbenzylphthalate	40.000	47.218	-18.0	95	0.00
81		Benzo(a)anthracene	40.000	41.454	-3.6	88	0.00
82		3,3'-Dichlorobenzidine	40.000	46.475	-16.2	93	0.00
83		Chrysene	40.000	40.878	-2.2	87	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.806	-14.5	92	0.00
85	c	Di-n-octyl phthalate	40.000	49.115	-22.8#	99	0.00
86	I	Perylene-d12	20.000	20.000	0.0	86	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.440	-3.6	91	0.00
88		Benzo(b)fluoranthene	40.000	41.114	-2.8	90	0.00
89		Benzo(k)fluoranthene	40.000	40.109	-0.3	90	0.00
90	C	Benzo(a)pyrene	40.000	41.241	-3.1	91	0.00
91		Dibenzo(a,h)anthracene	40.000	41.076	-2.7	90	0.00
92		Benzo(g,h,i)perylene	40.000	40.749	-1.9	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024245.D
Acq On : 10 Apr 2025 09:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 10 11:43:59 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 = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

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.

Form VII SV-1

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

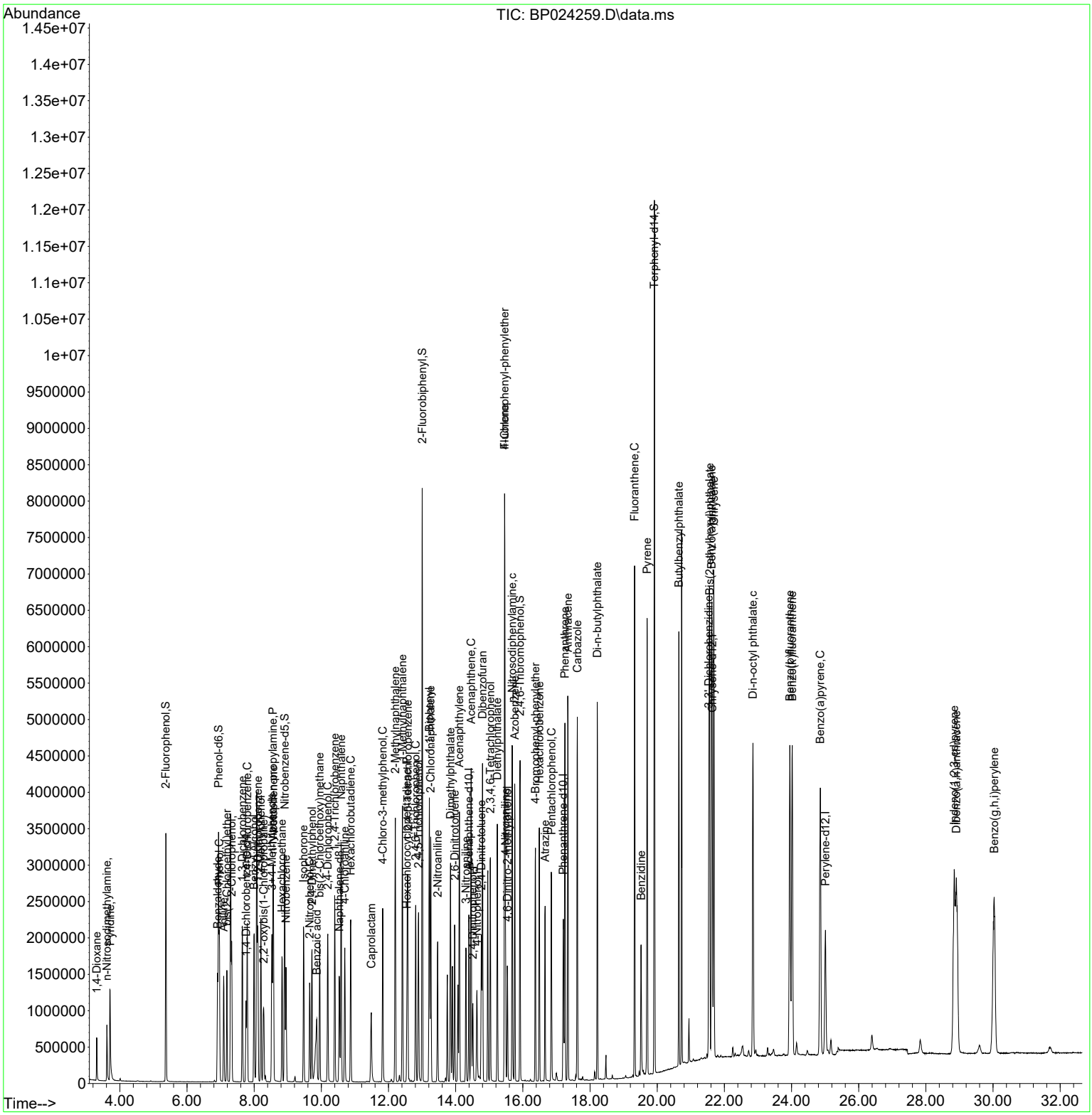
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

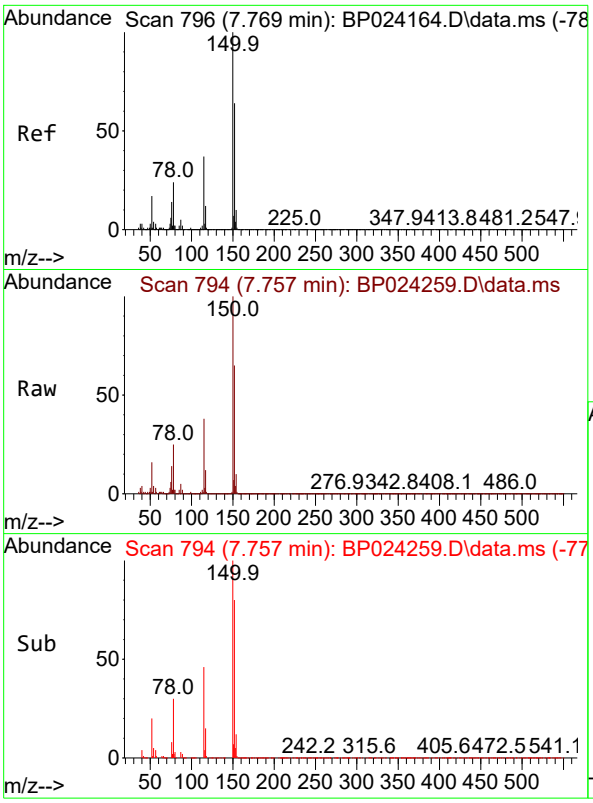
Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

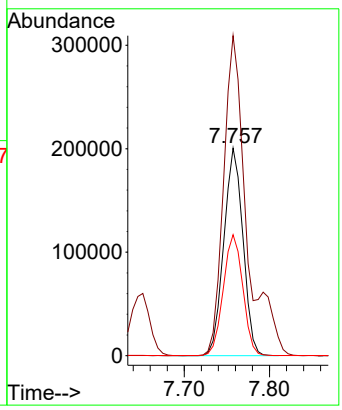




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.011 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:152 Resp: 31253

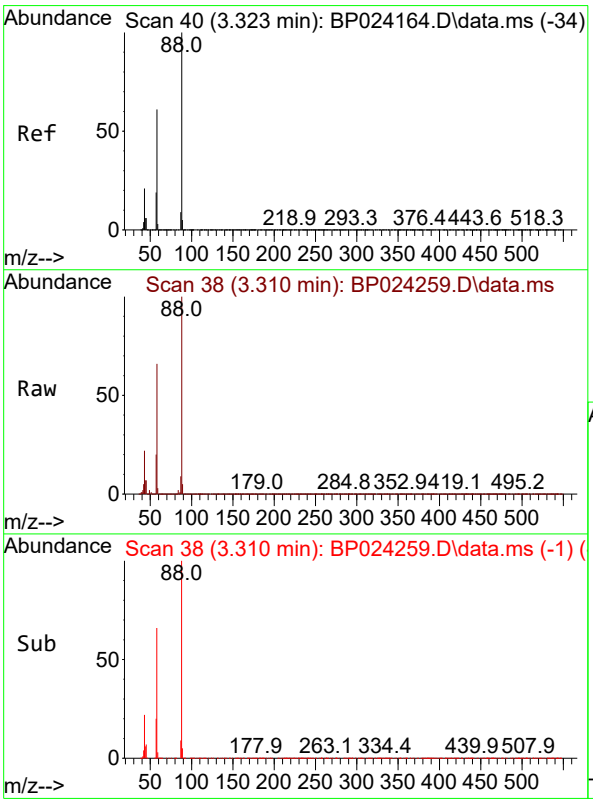
Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.5	188.3
115	58.3	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

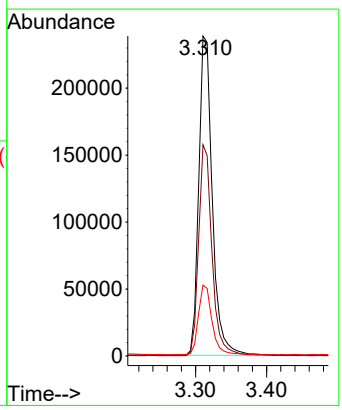
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

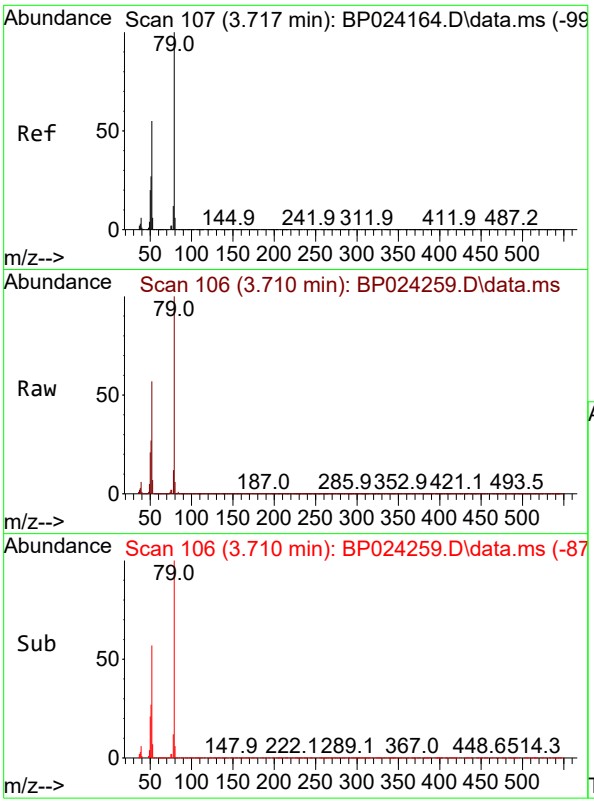


#2
1,4-Dioxane
Concen: 40.925 ng
RT: 3.310 min Scan# 38
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

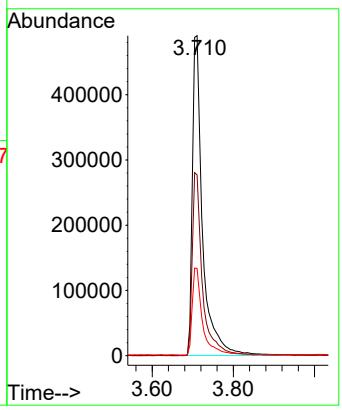




#3
Pyridine
Concen: 40.556 ng
RT: 3.710 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 79 Resp: 8604

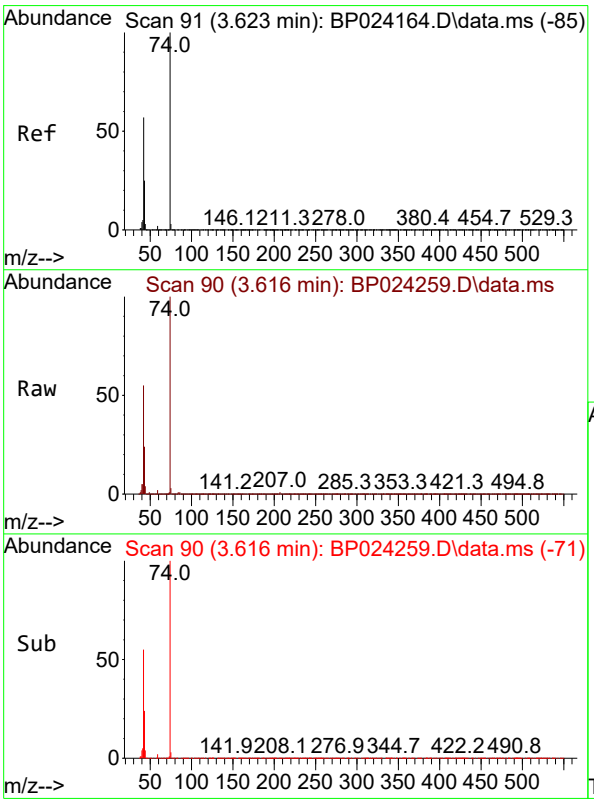
Ion	Ratio	Lower	Upper
79	100		
52	56.5	43.8	65.8
51	27.3	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

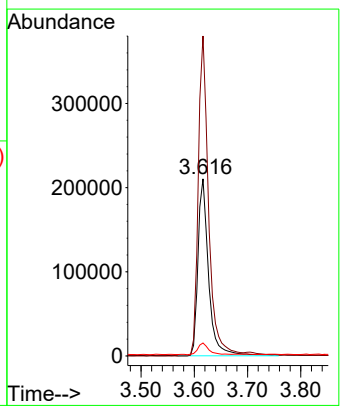
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

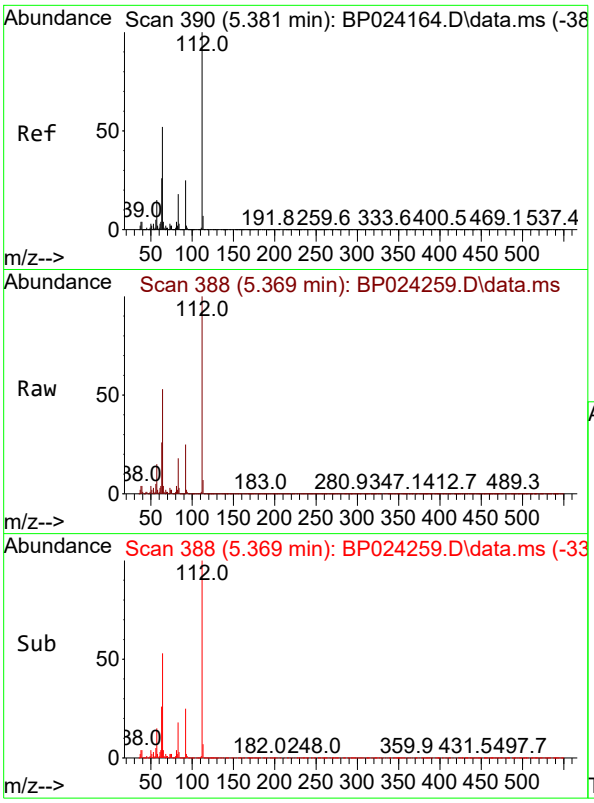


#4
n-Nitrosodimethylamine
Concen: 41.145 ng
RT: 3.616 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

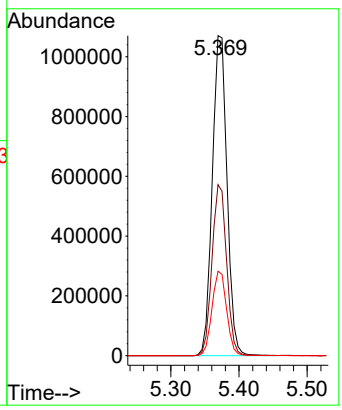
Tgt Ion:112 Resp: 160824

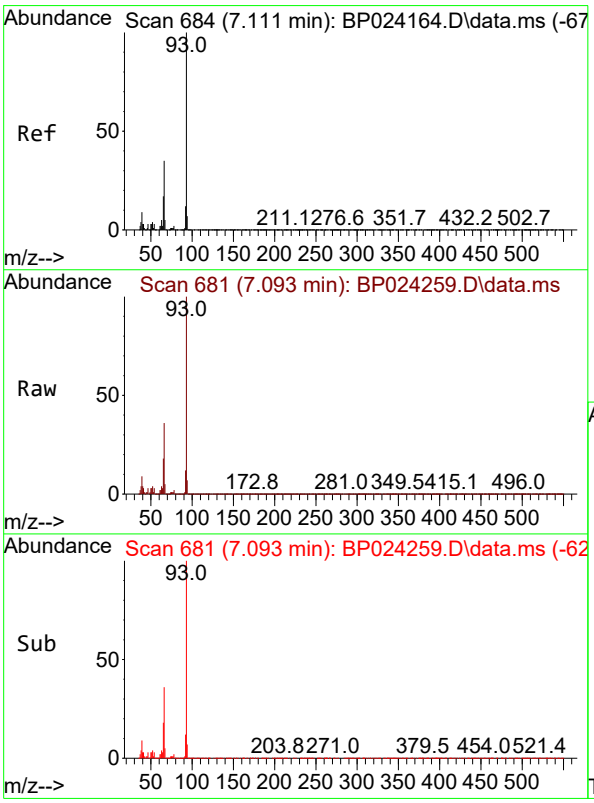
Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.3	61.9
63	26.4	20.6	31.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

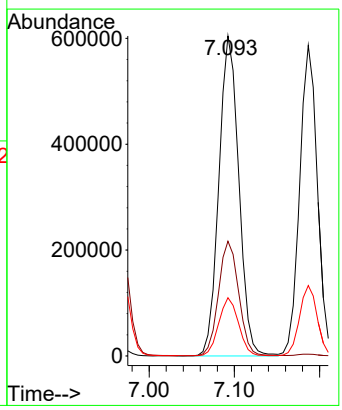


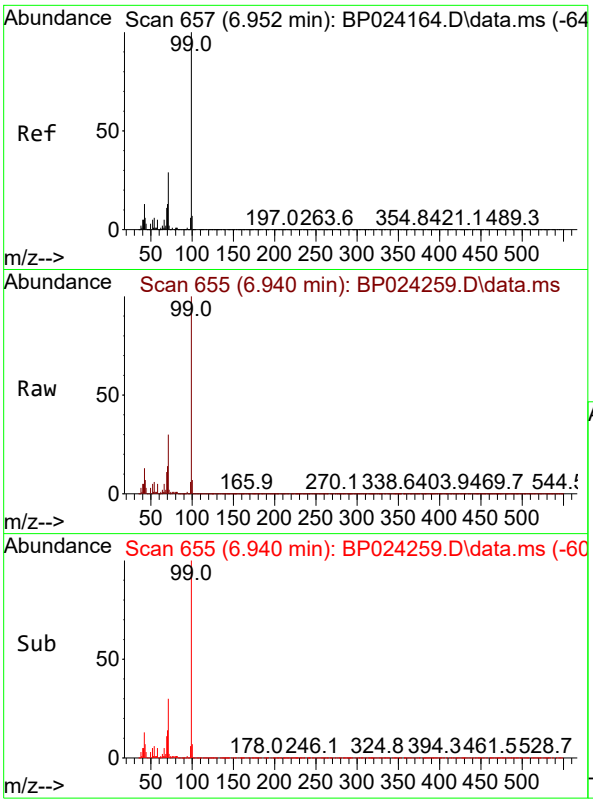


#6
Aniline
Concen: 41.192 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

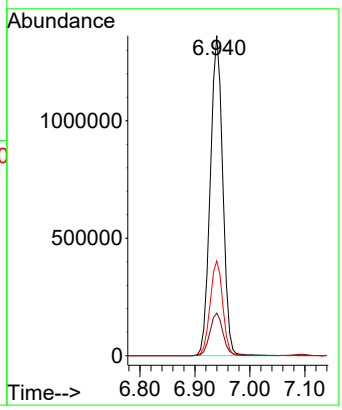




#7
Phenol-d6
Concen: 82.146 ng
RT: 6.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 99 Resp: 215074

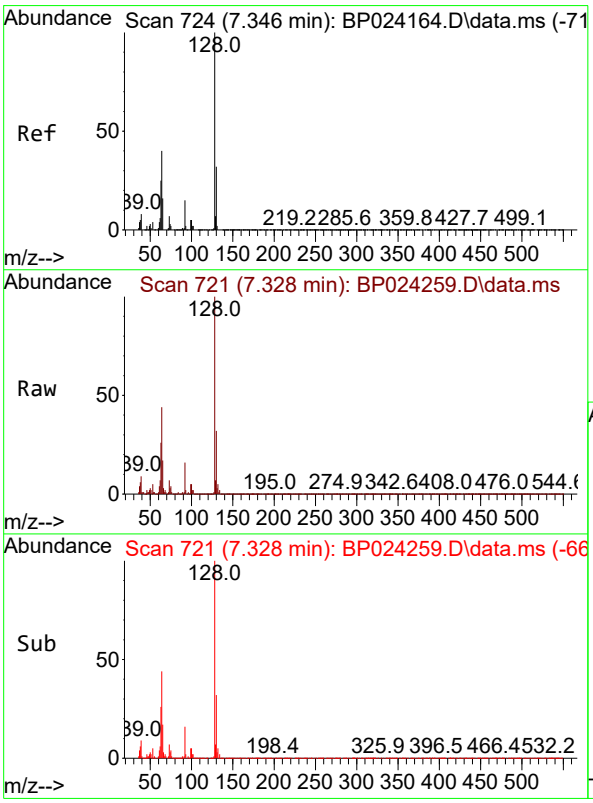
Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.3	34.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

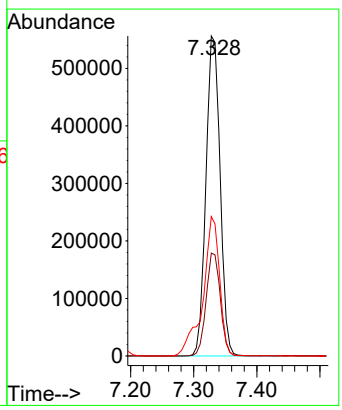
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

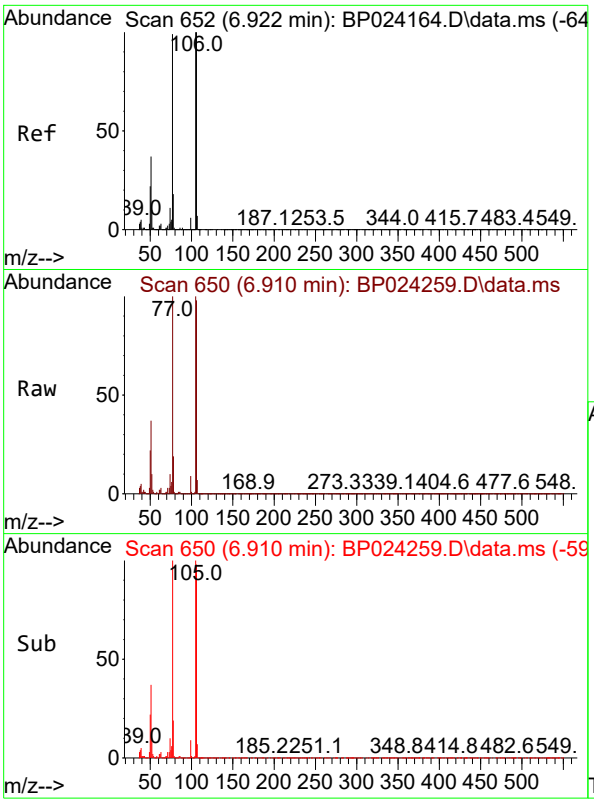


#8
2-Chlorophenol
Concen: 40.913 ng
RT: 7.328 min Scan# 721
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

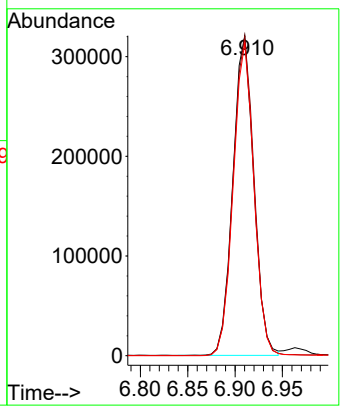




#9
Benzaldehyde
Concen: 38.882 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 77 Resp: 49126

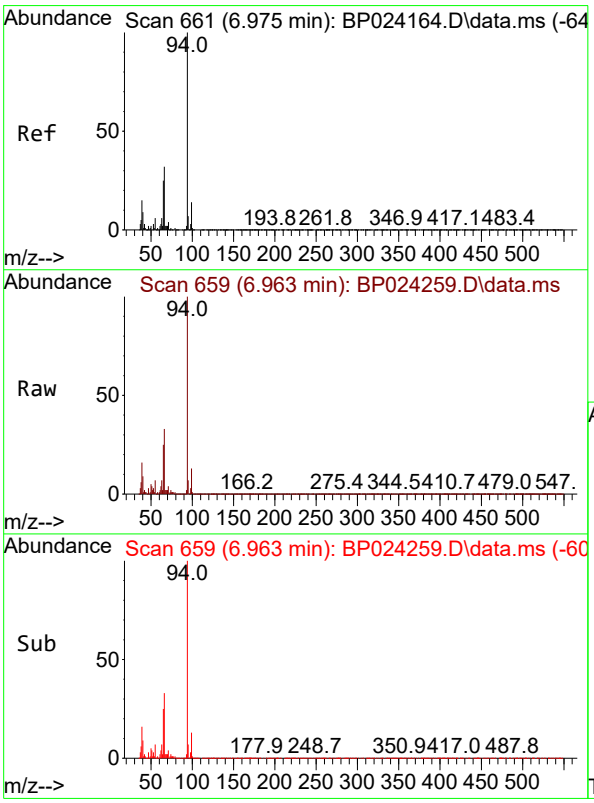
Ion	Ratio	Lower	Upper
77	100		
105	99.9	81.4	121.4
106	97.7	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

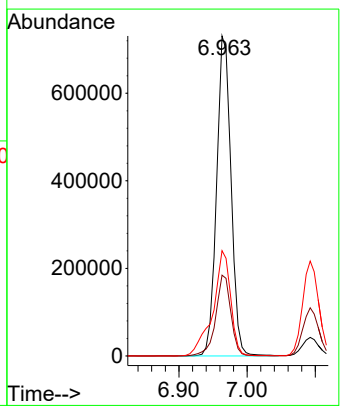
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

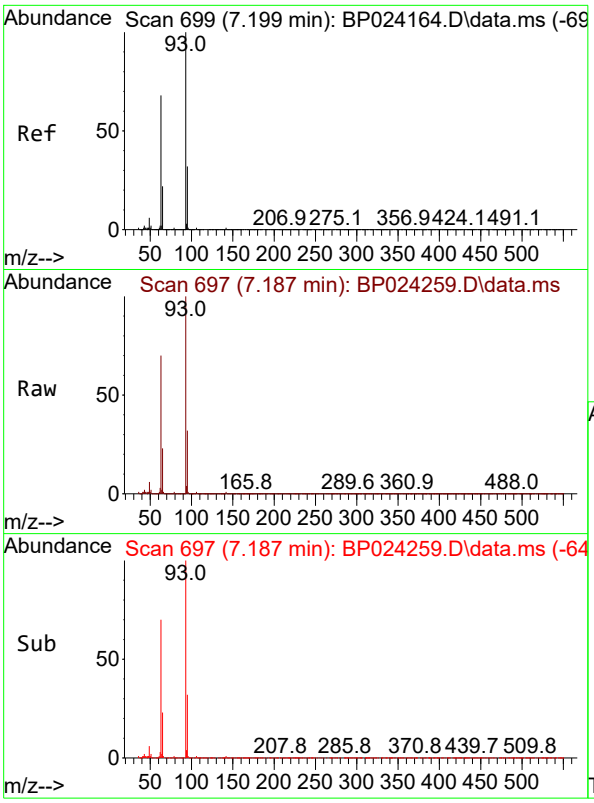


#10
Phenol
Concen: 40.708 ng
RT: 6.963 min Scan# 659
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

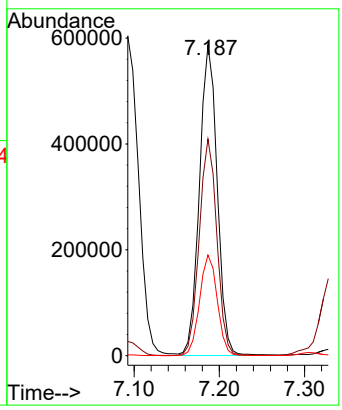




#11
bis(2-Chloroethyl)ether
Concen: 40.818 ng
RT: 7.187 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 93 Resp: 85077

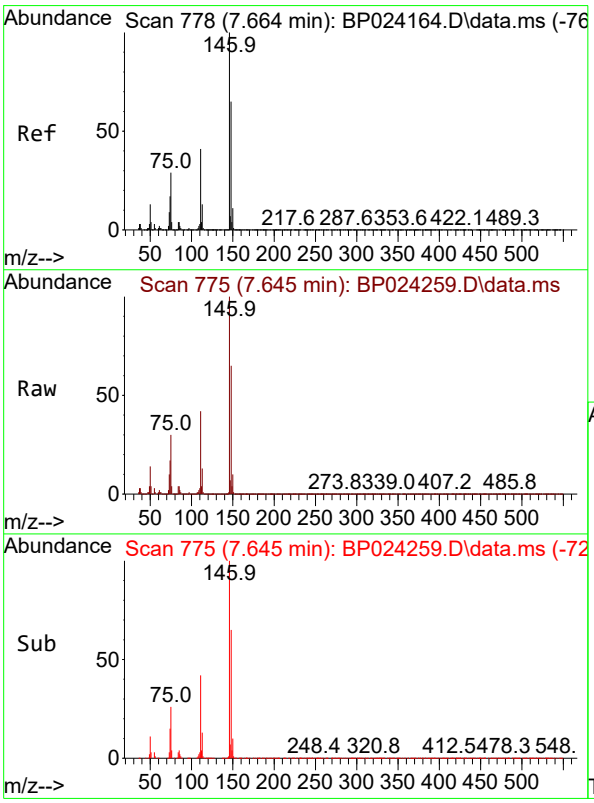
Ion	Ratio	Lower	Upper
93	100		
63	69.8	47.4	87.4
95	32.4	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

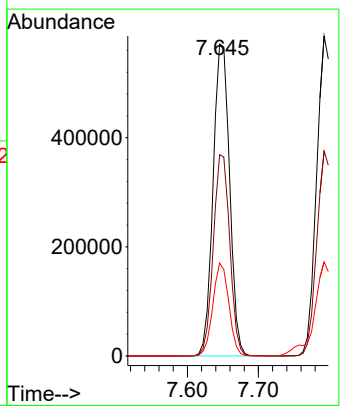
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

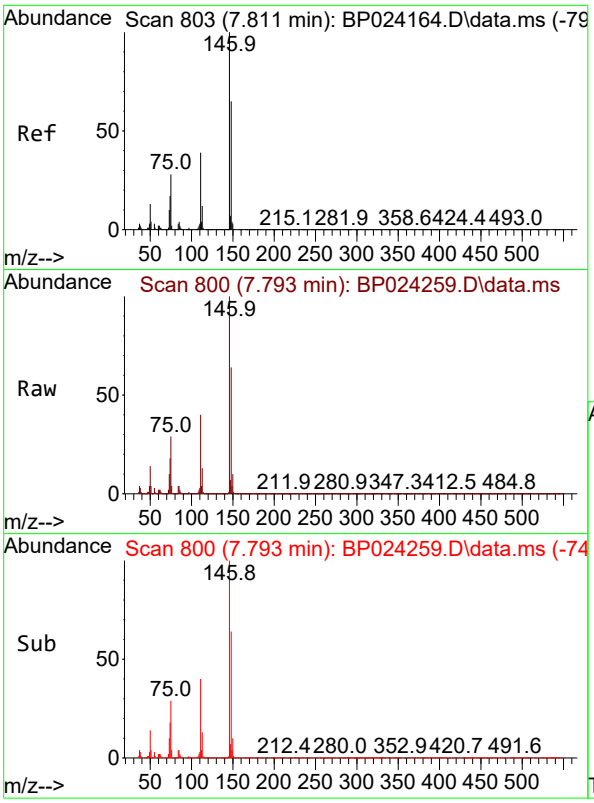


#12
1,3-Dichlorobenzene
Concen: 40.415 ng
RT: 7.645 min Scan# 775
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

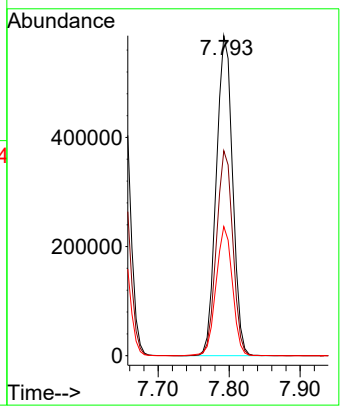
Tgt Ion:146 Resp: 93061

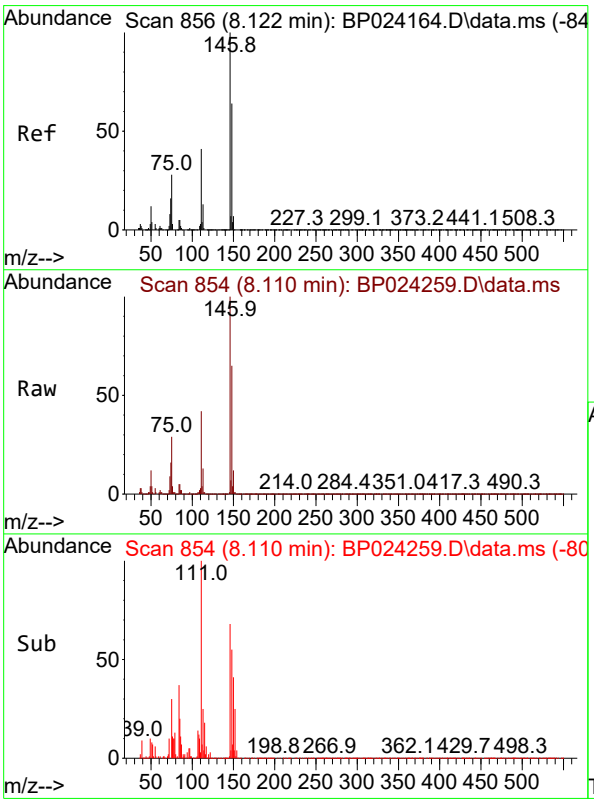
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	40.4	31.4	47.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

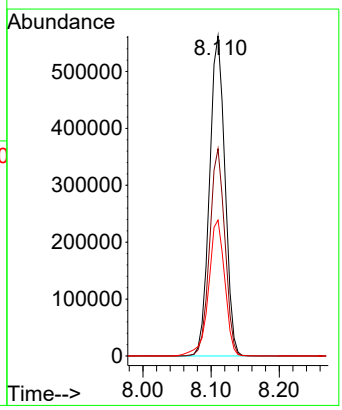


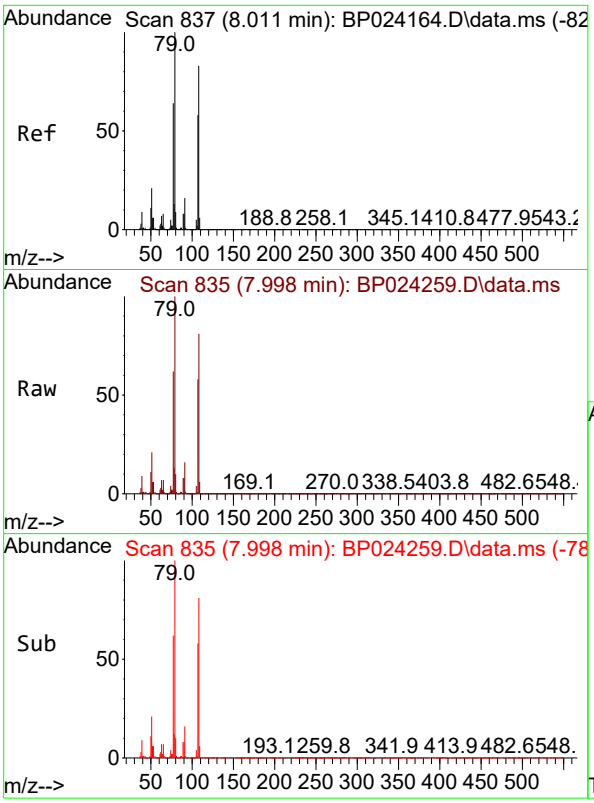


#14
1,2-Dichlorobenzene
Concen: 39.691 ng
RT: 8.110 min Scan# 854
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

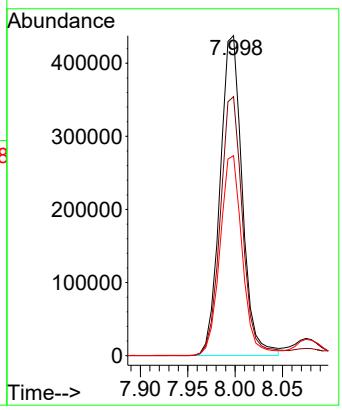
Tgt Ion: 79 Resp: 71339

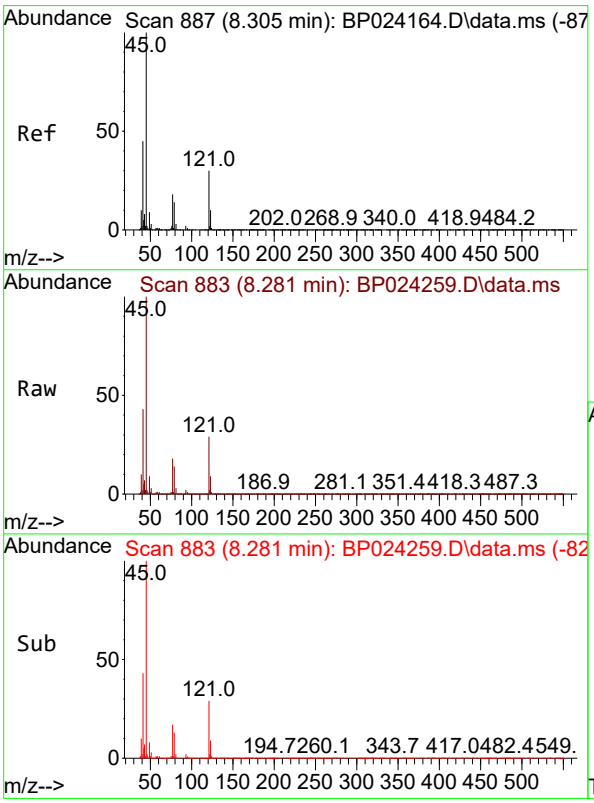
Ion	Ratio	Lower	Upper
79	100		
108	80.9	66.5	99.7
77	62.5	50.9	76.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

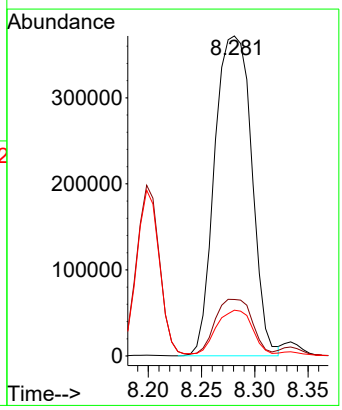


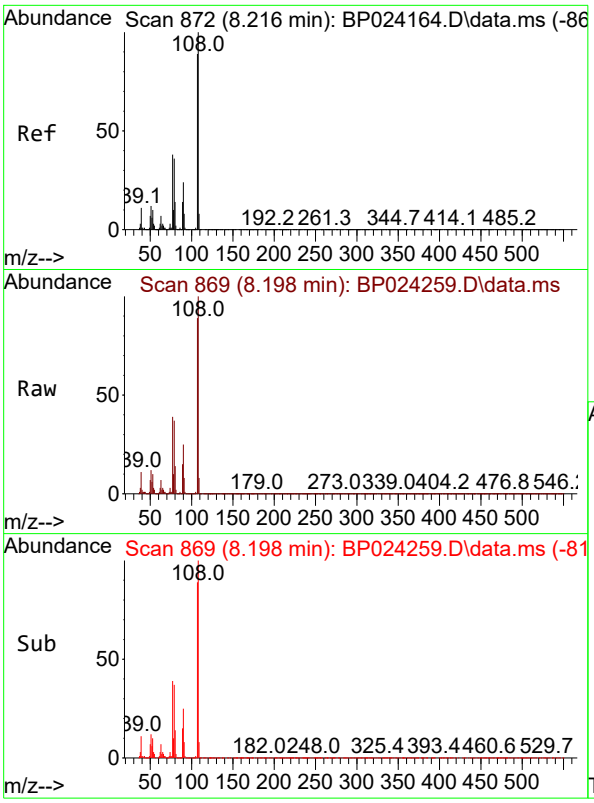


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.197 ng
RT: 8.281 min Scan# 883
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

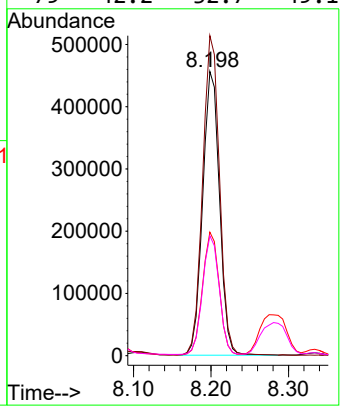
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

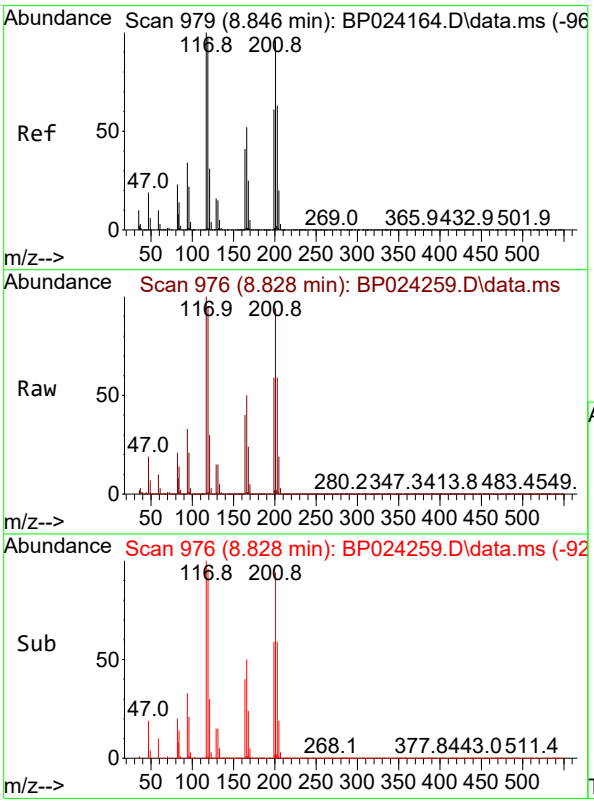
Tgt Ion:107 Resp: 68777

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 APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

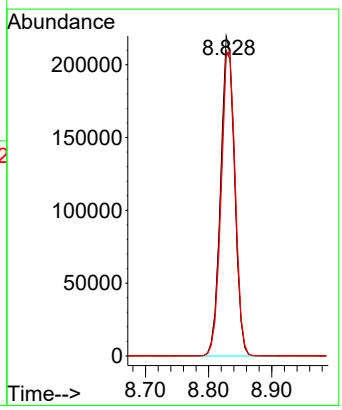


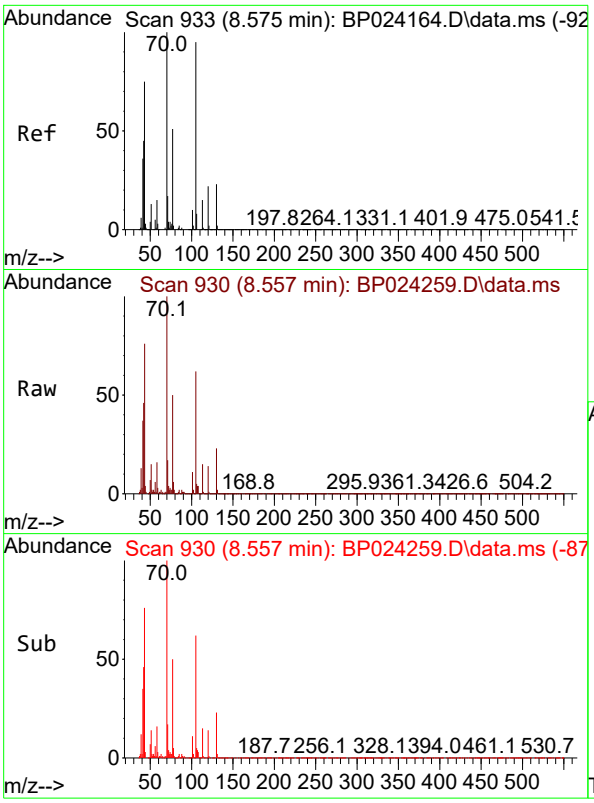


#18
Hexachloroethane
Concen: 41.079 ng
RT: 8.828 min Scan# 976
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

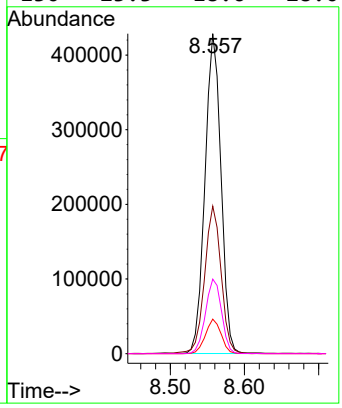




#19
n-Nitroso-di-n-propylamine
Concen: 42.243 ng
RT: 8.557 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

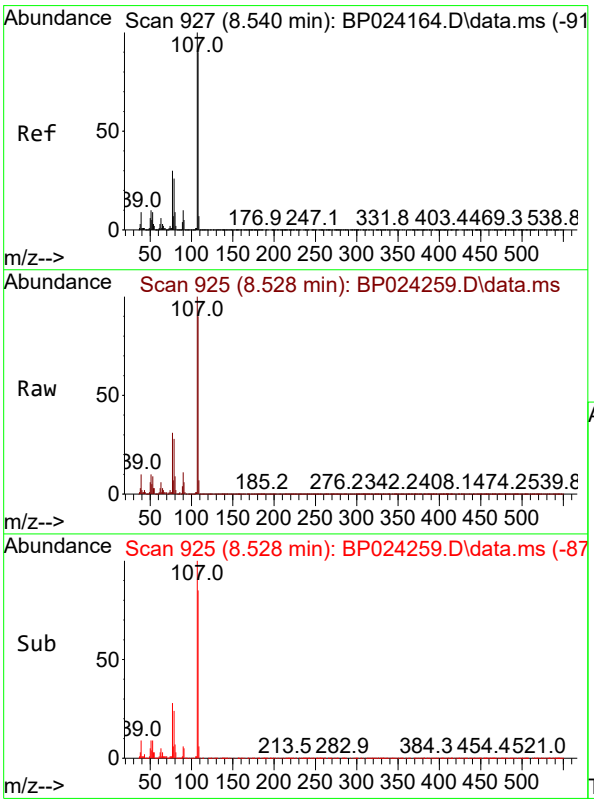
Tgt Ion: 70 Resp: 64164

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



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

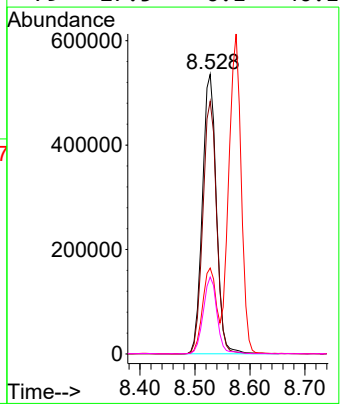
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

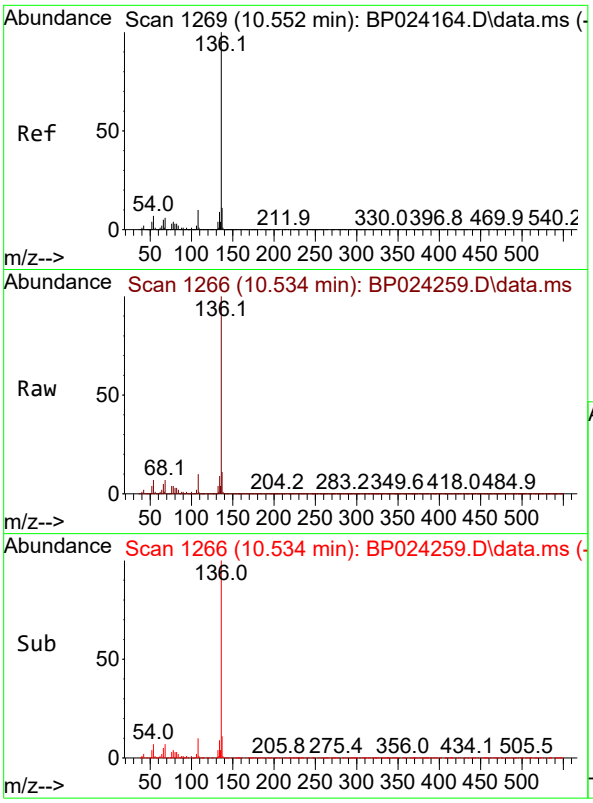


#20
3+4-Methylphenols
Concen: 41.480 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

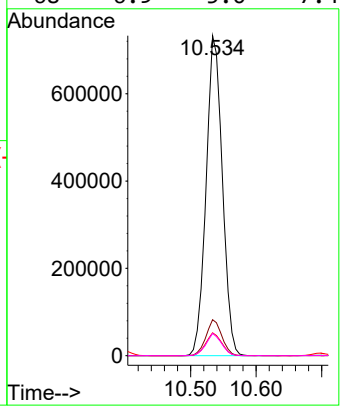




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:136 Resp: 126466

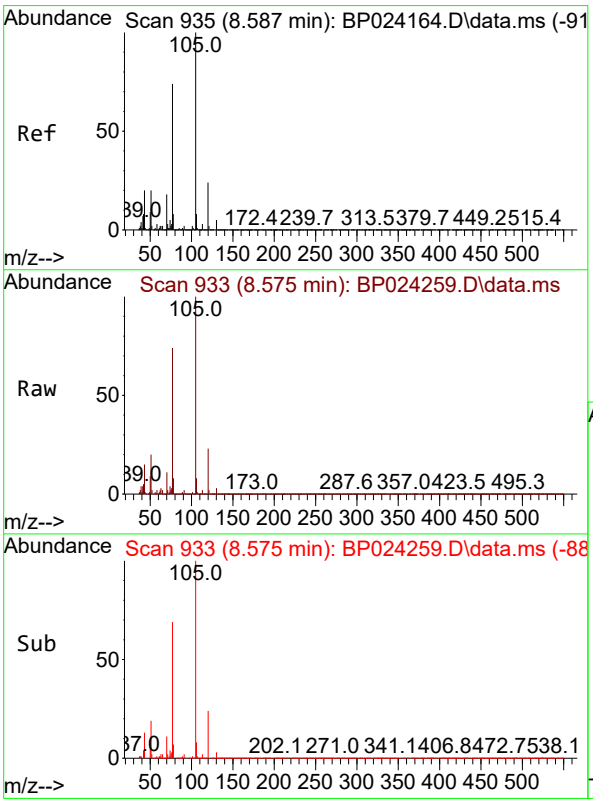
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.3	7.9
68	6.9	5.0	7.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

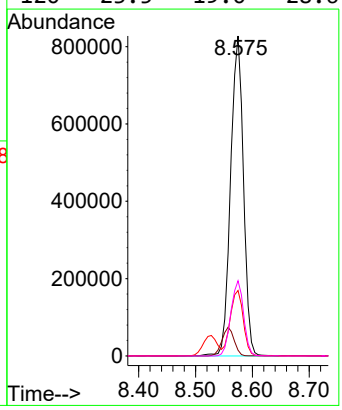
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

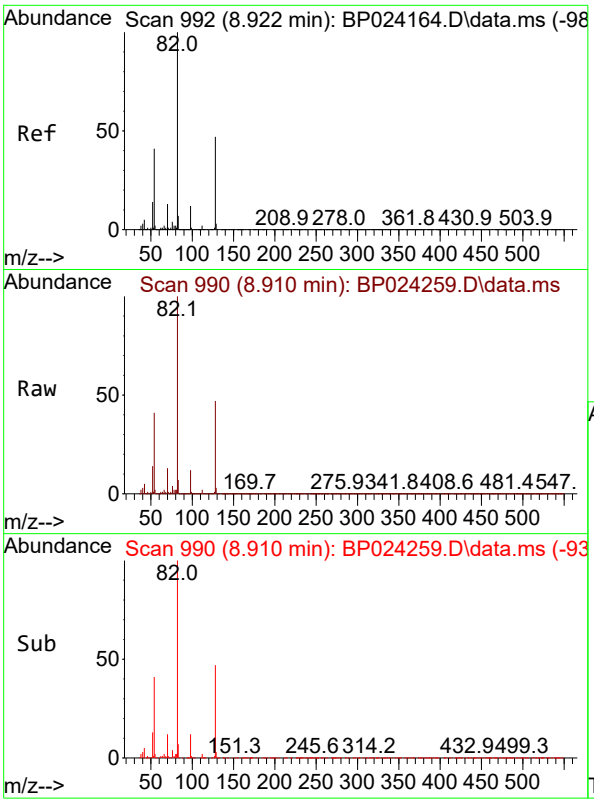


#22
Acetophenone
Concen: 40.597 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

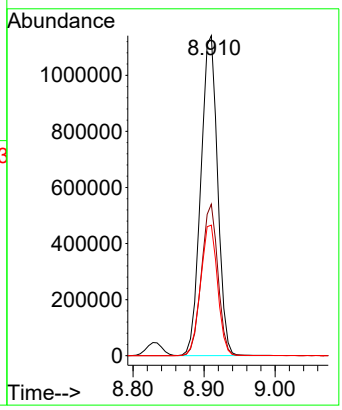
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

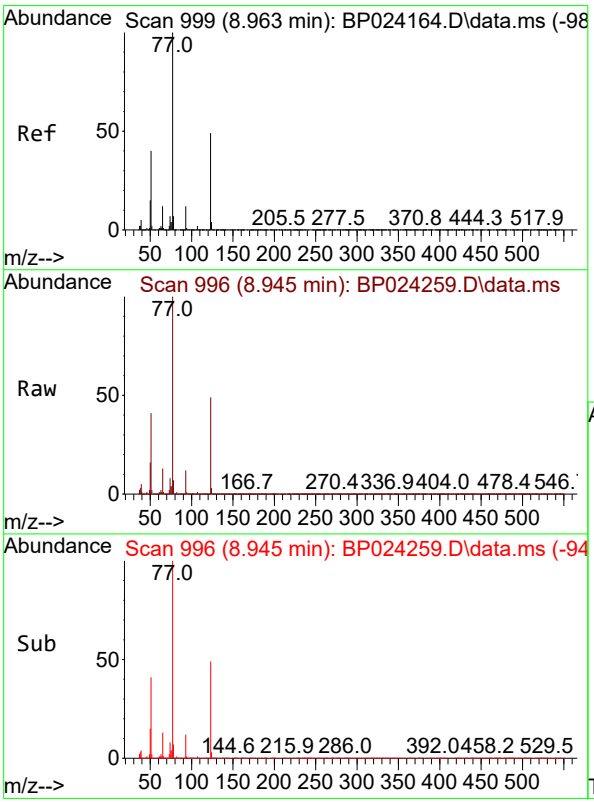
Tgt Ion: 82 Resp: 187634

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	40.8	32.5	48.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

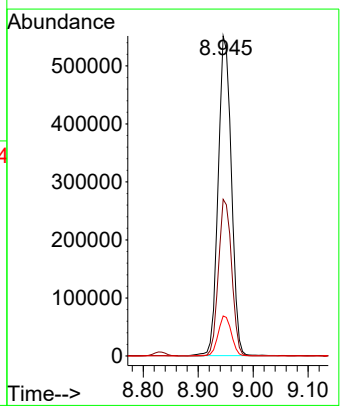


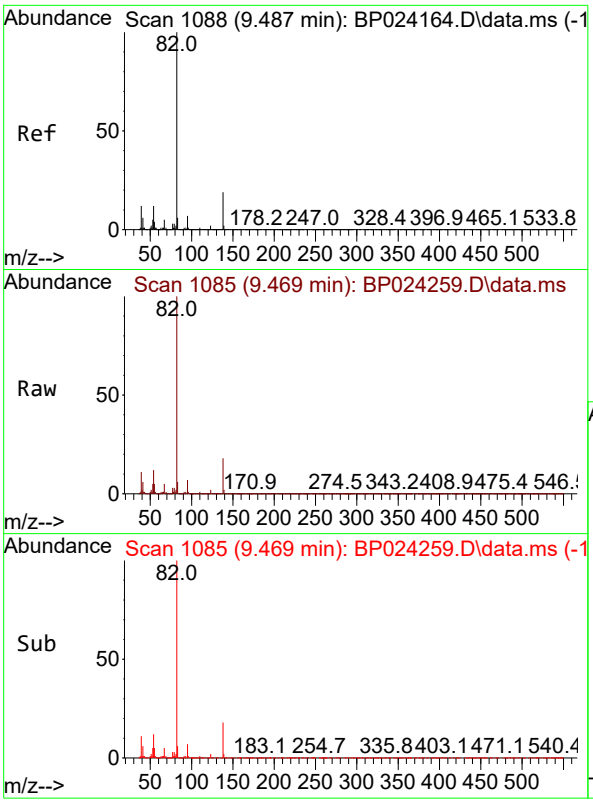


#24
Nitrobenzene
Concen: 41.580 ng
RT: 8.945 min Scan# 996
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

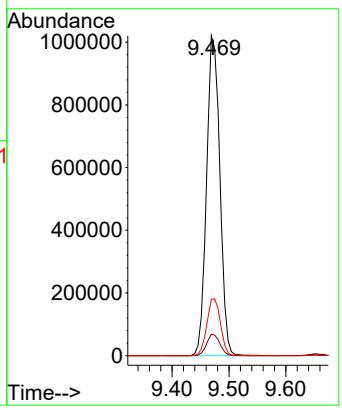




#25
Isophorone
Concen: 42.931 ng
RT: 9.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 82 Resp: 164952

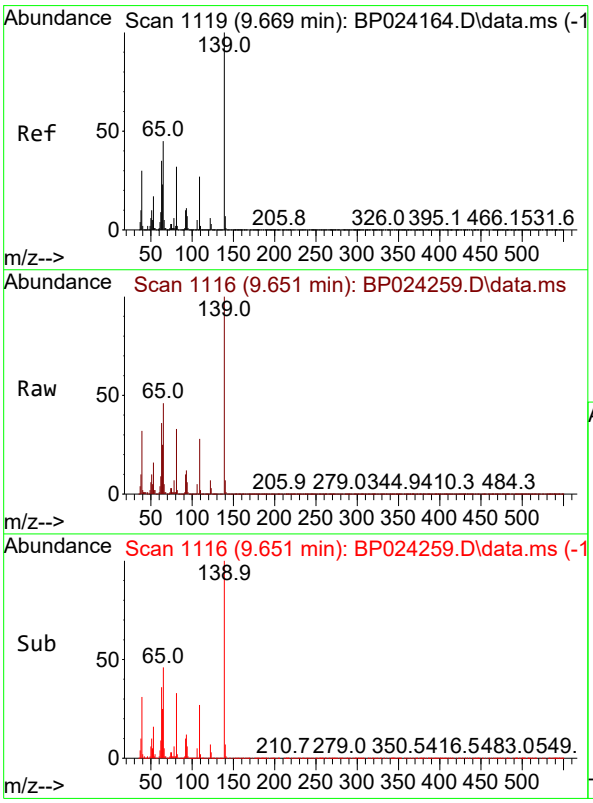
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.6	14.8	22.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

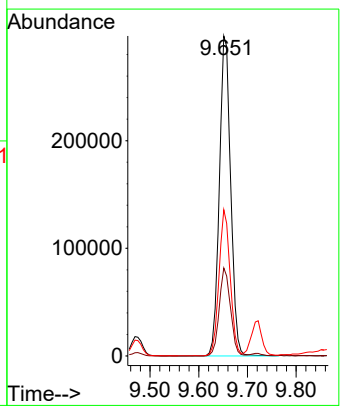
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

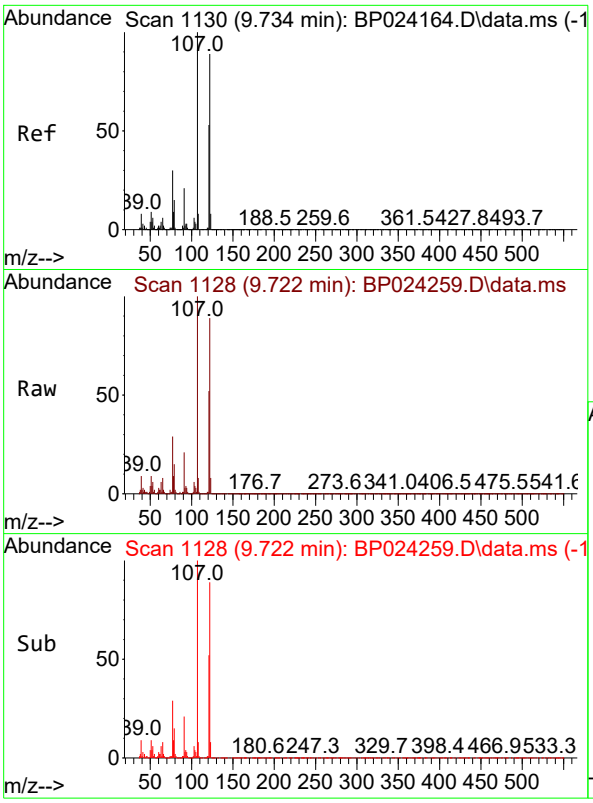


#26
2-Nitrophenol
Concen: 45.579 ng
RT: 9.651 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

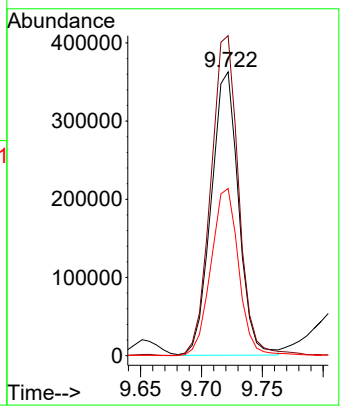




#27
2,4-Dimethylphenol
Concen: 41.809 ng
RT: 9.722 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:122 Resp: 56783

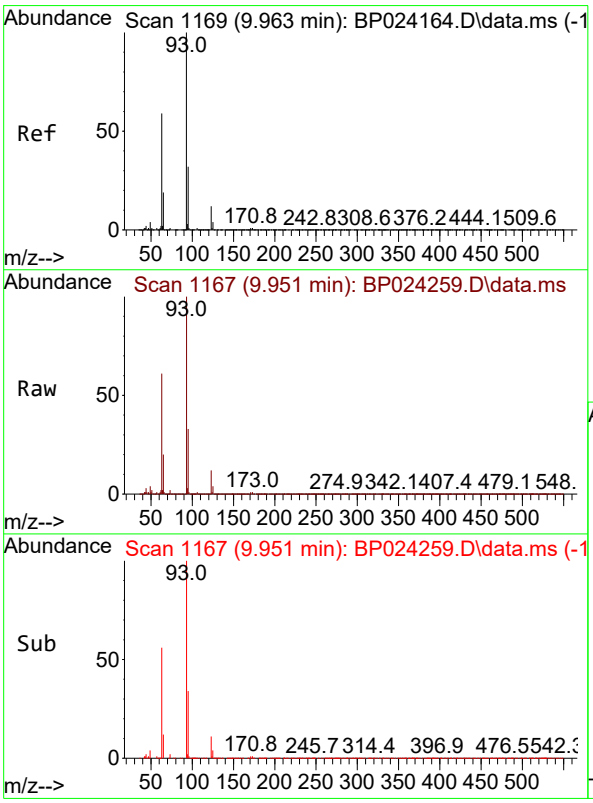
Ion	Ratio	Lower	Upper
122	100		
107	112.7	89.3	133.9
121	58.9	47.5	71.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

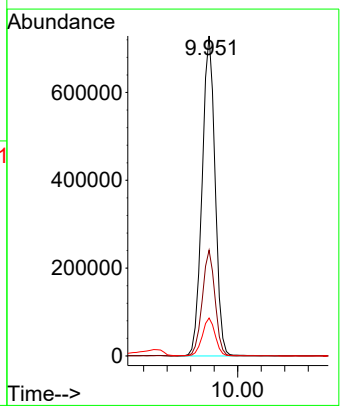
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

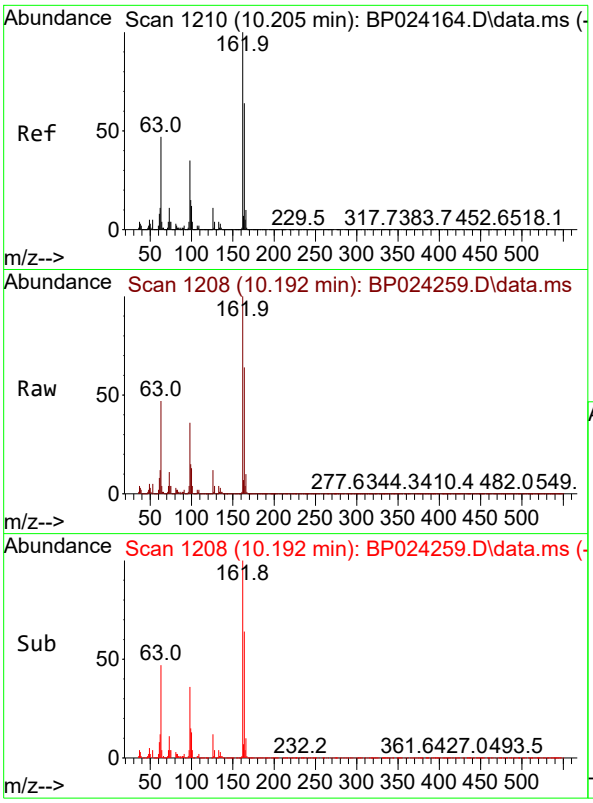


#28
bis(2-Chloroethoxy)methane
Concen: 41.465 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

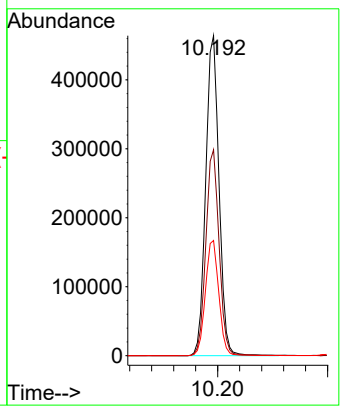




#29
2,4-Dichlorophenol
Concen: 42.257 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:162 Resp: 77638

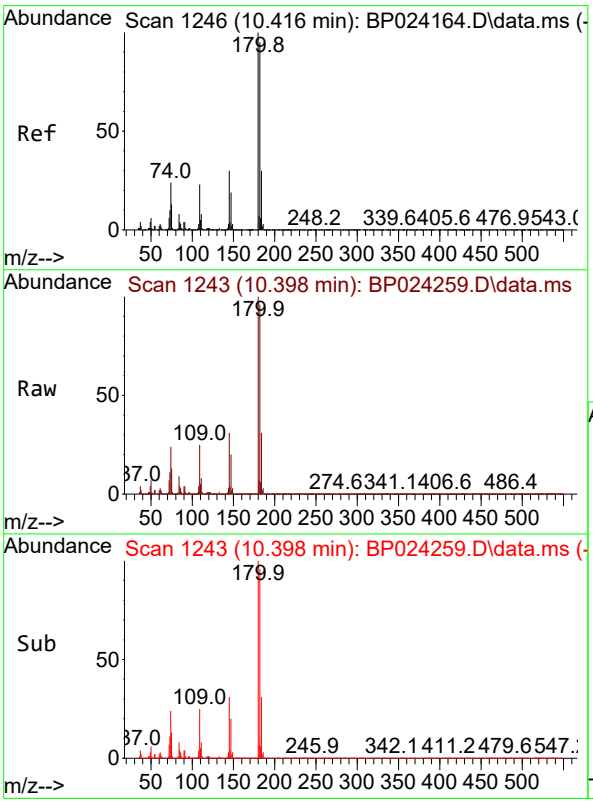
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	36.0	15.1	55.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

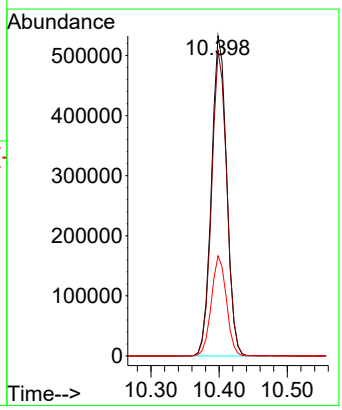
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

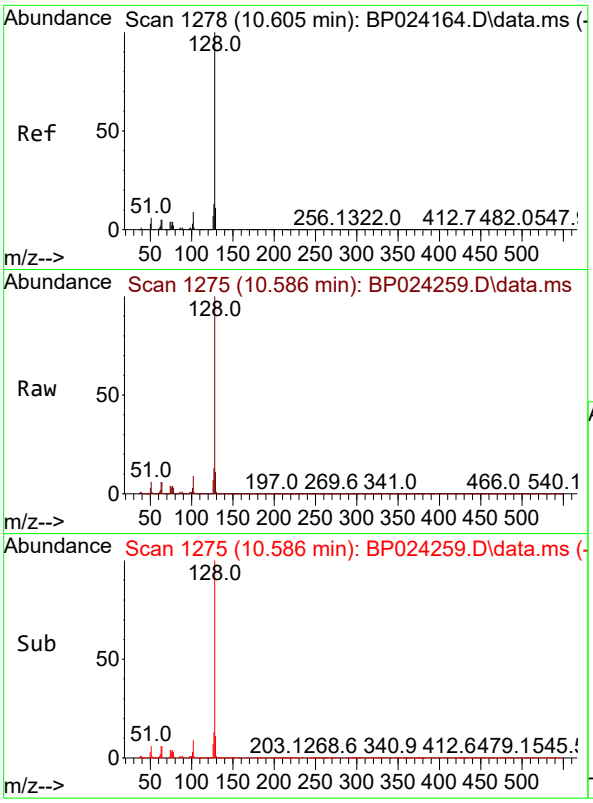


#30
1,2,4-Trichlorobenzene
Concen: 40.668 ng
RT: 10.398 min Scan# 1243
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

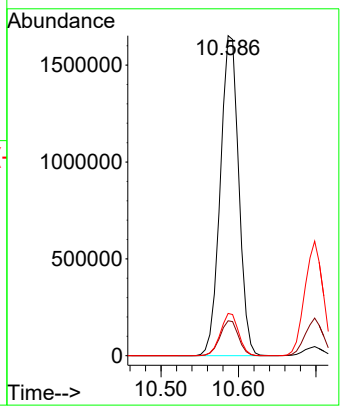




#31
Naphthalene
Concen: 40.751 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:128 Resp: 273186

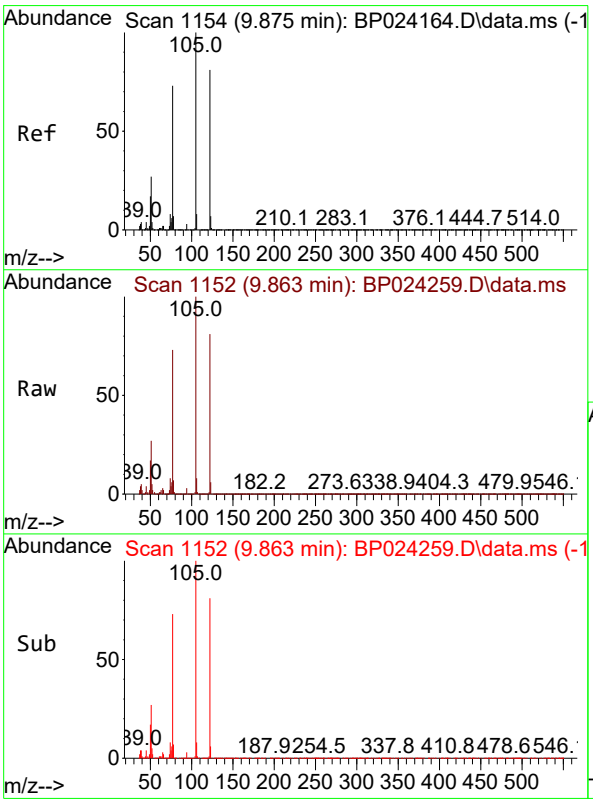
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

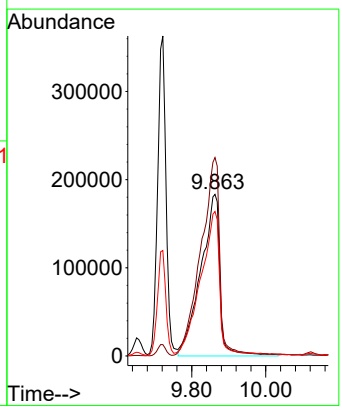
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

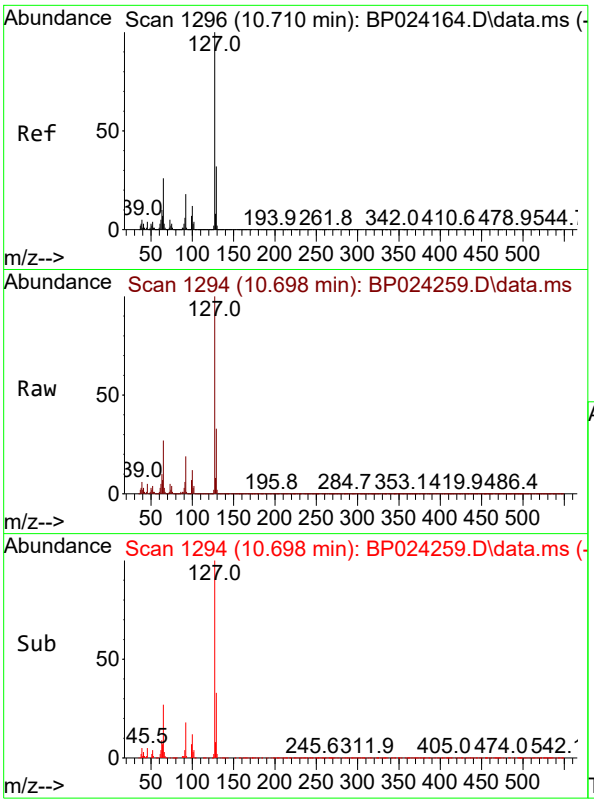


#32
Benzoic acid
Concen: 49.957 ng m
RT: 9.863 min Scan# 1152
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

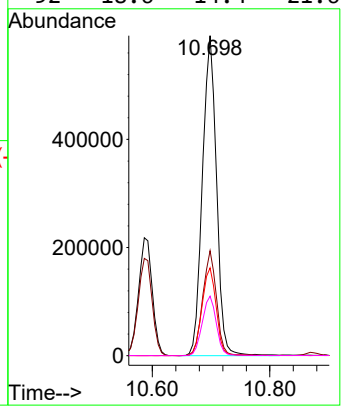




#33
4-Chloroaniline
Concen: 40.916 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

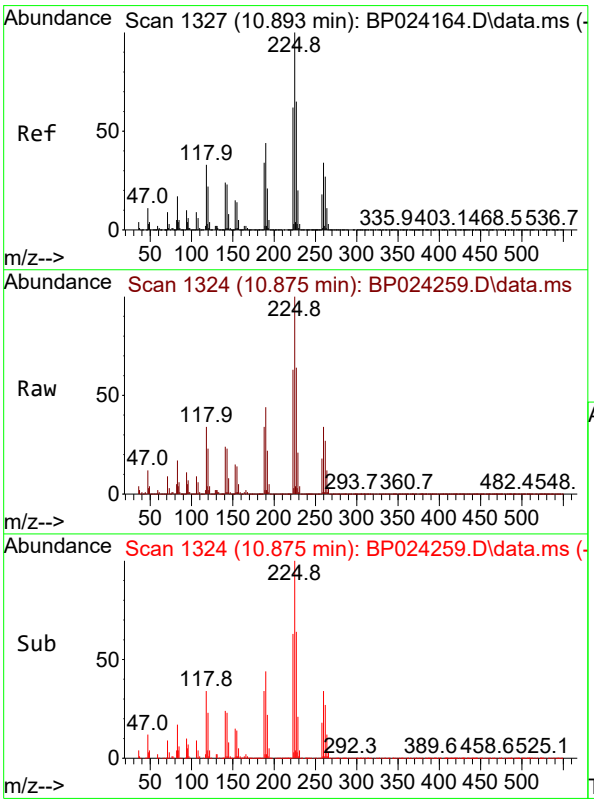
Tgt Ion:127 Resp: 98161

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

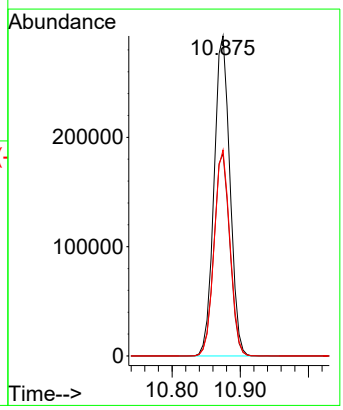
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

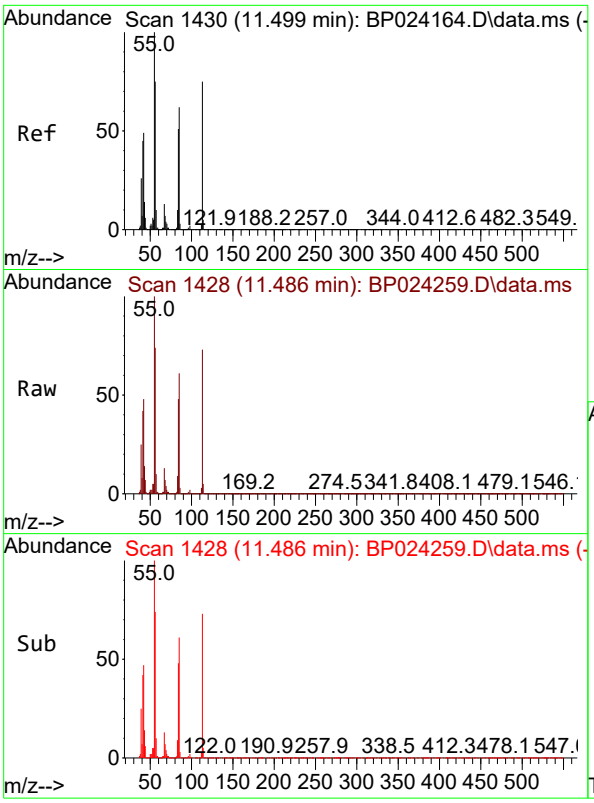


#34
Hexachlorobutadiene
Concen: 40.556 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

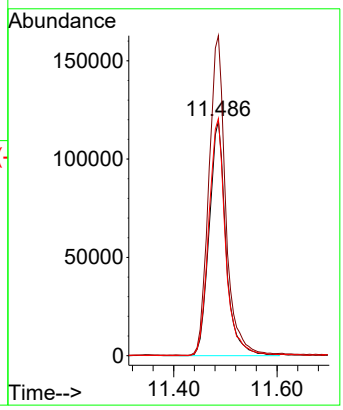
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

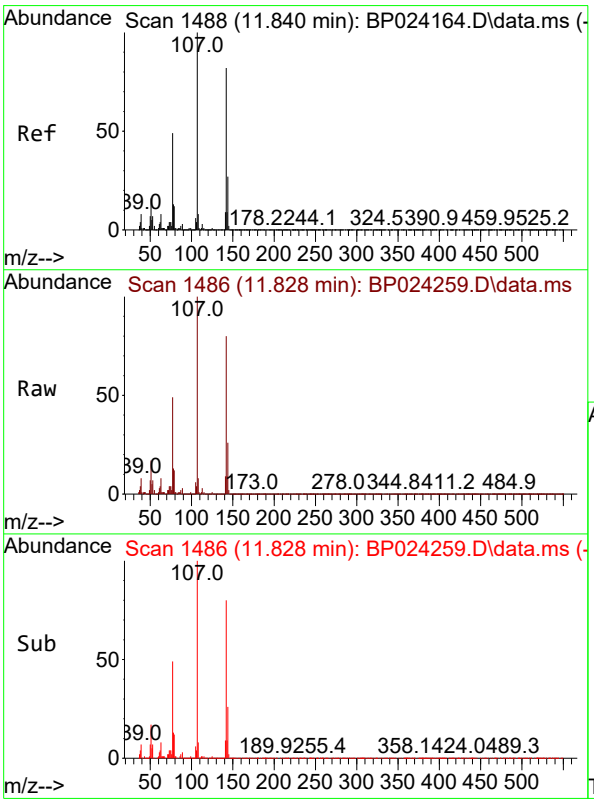
Tgt Ion:113 Resp: 26717

Ion	Ratio	Lower	Upper
113	100		
55	136.3	113.6	153.6
56	101.0	80.0	120.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

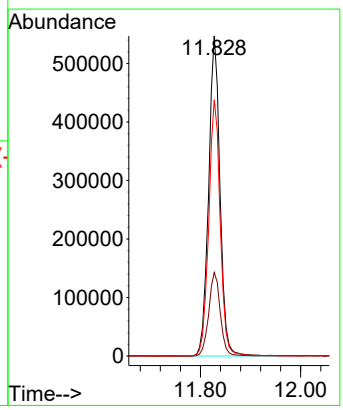


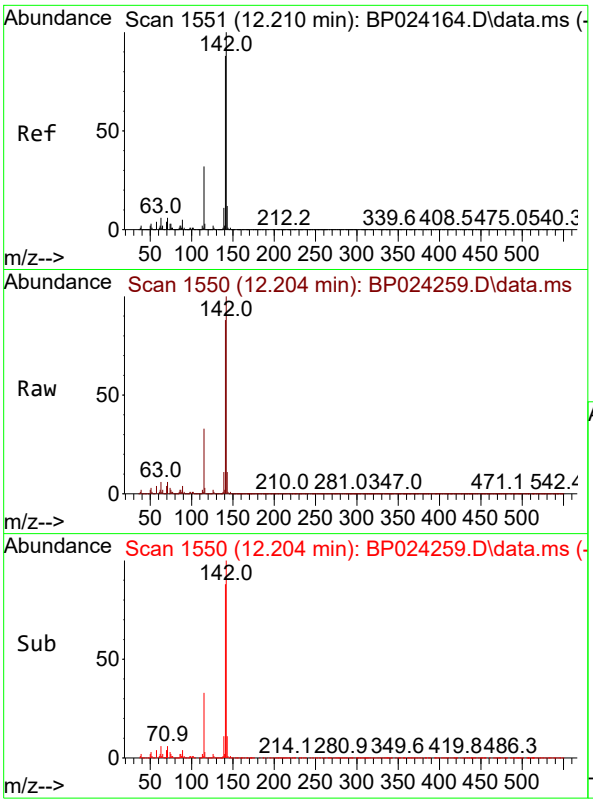


#36
4-Chloro-3-methylphenol
Concen: 43.522 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

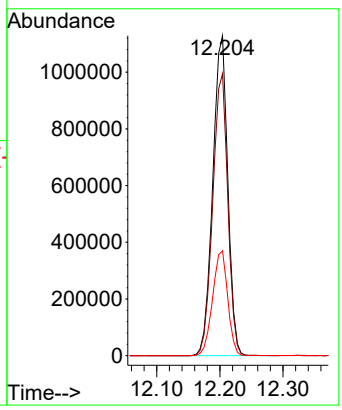




#37
2-Methylnaphthalene
Concen: 41.045 ng
RT: 12.204 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:142 Resp: 185890

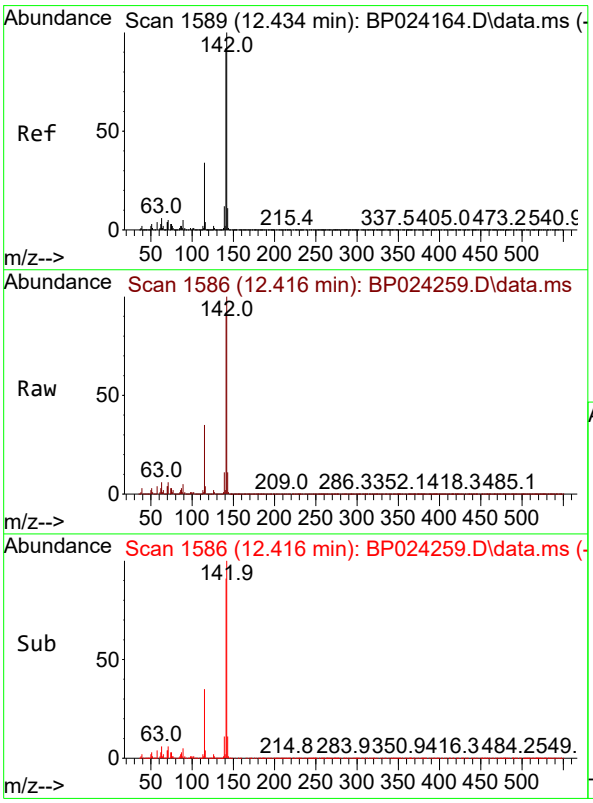
Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	32.7	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

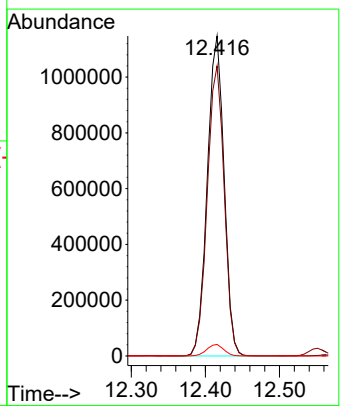
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

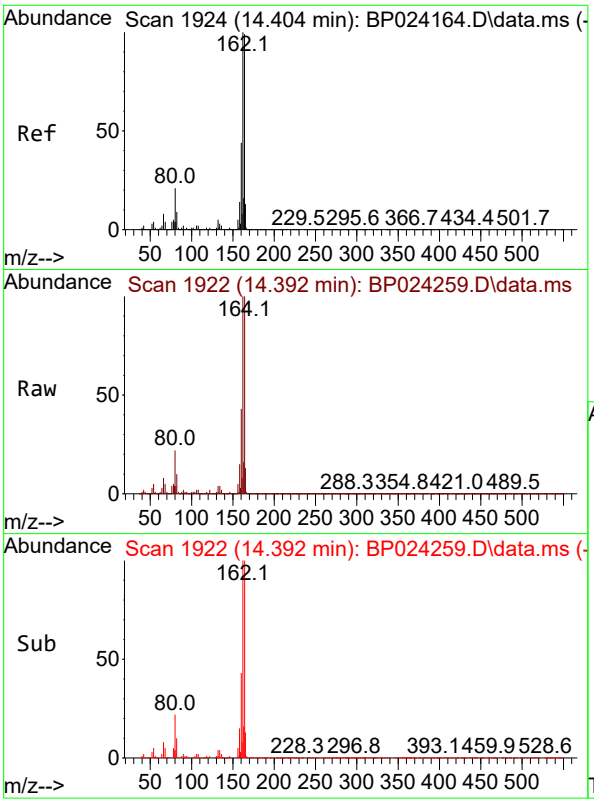


#38
1-Methylnaphthalene
Concen: 40.926 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

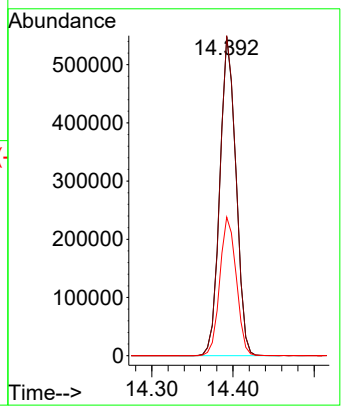
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

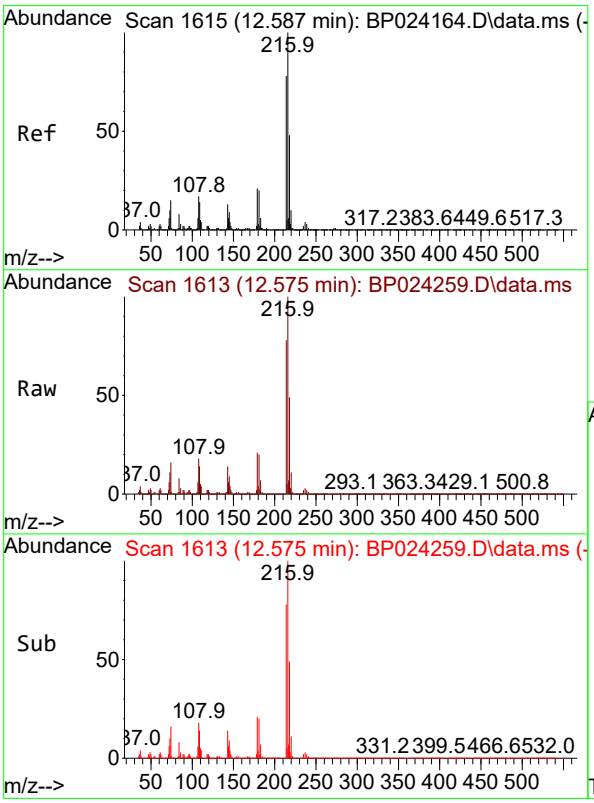
Tgt Ion:164 Resp: 754959

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.5	35.4	53.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

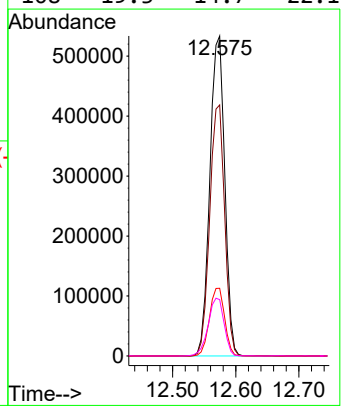


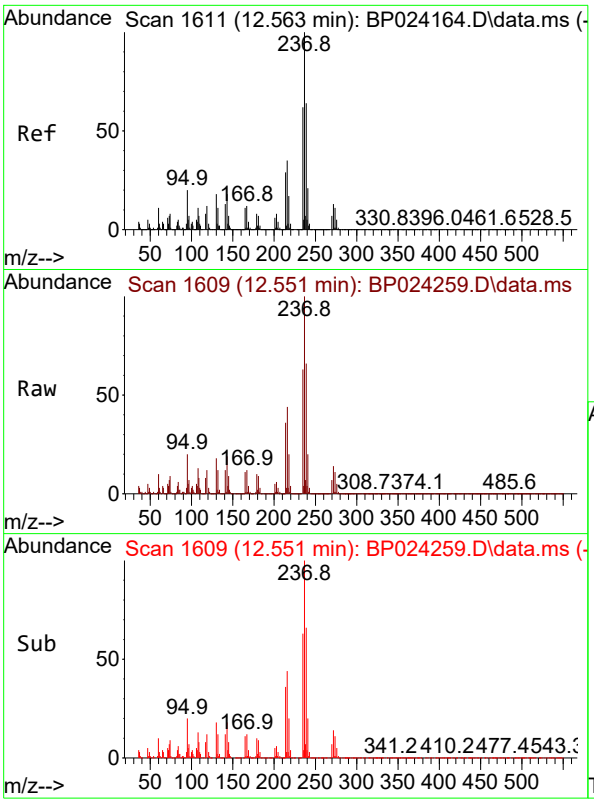


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.030 ng
RT: 12.575 min Scan# 1613
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

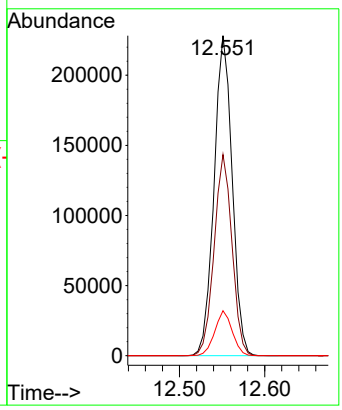
Tgt Ion:237 Resp: 33774

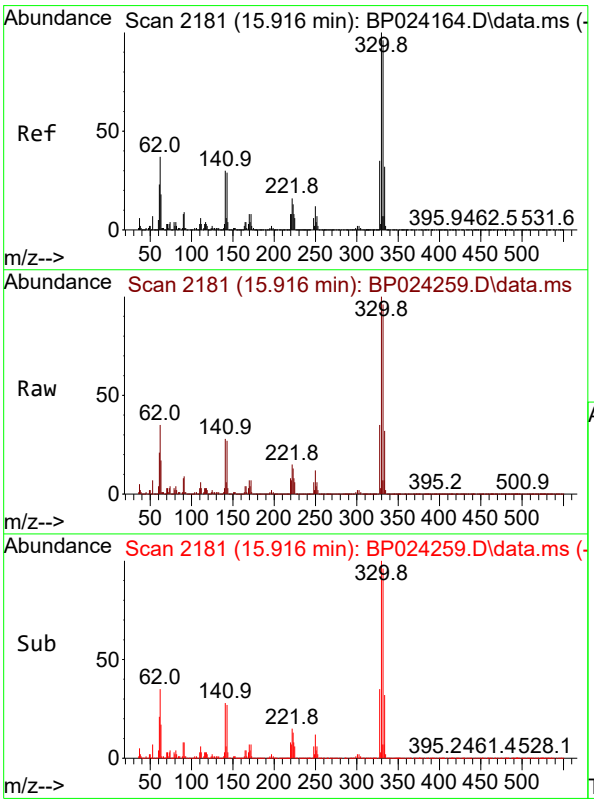
Ion	Ratio	Lower	Upper
237	100		
235	62.9	41.8	81.8
272	14.0	0.0	33.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

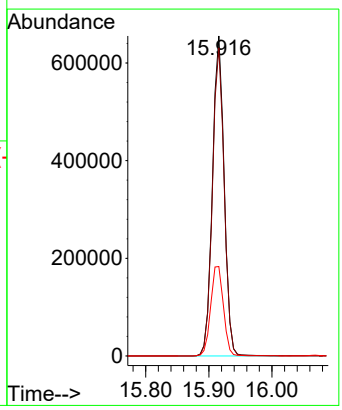


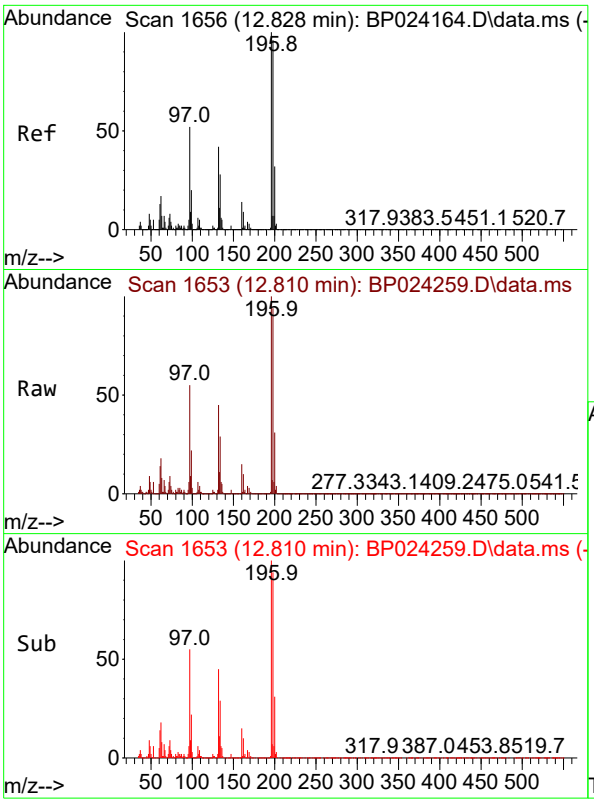


#42
2,4,6-Tribromophenol
Concen: 88.545 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

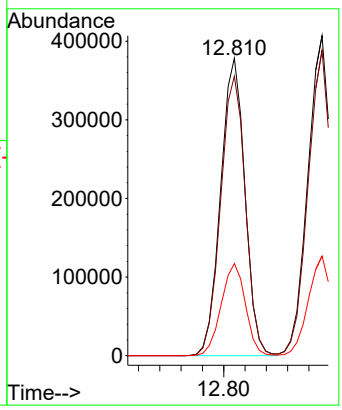




#43
2,4,6-Trichlorophenol
Concen: 43.220 ng
RT: 12.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:196 Resp: 59943

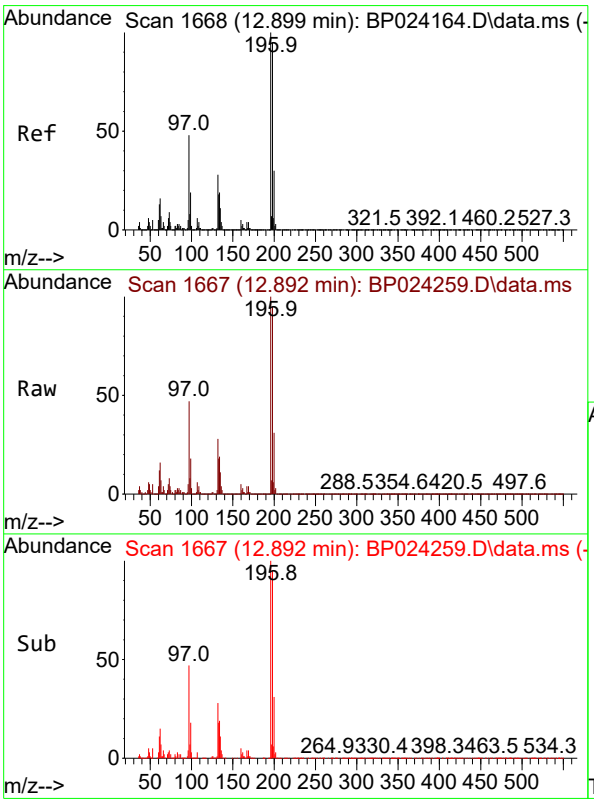
Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.6	115.0
200	31.0	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

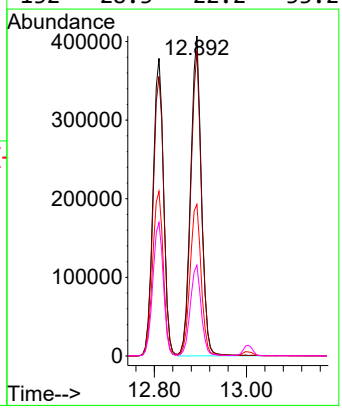
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

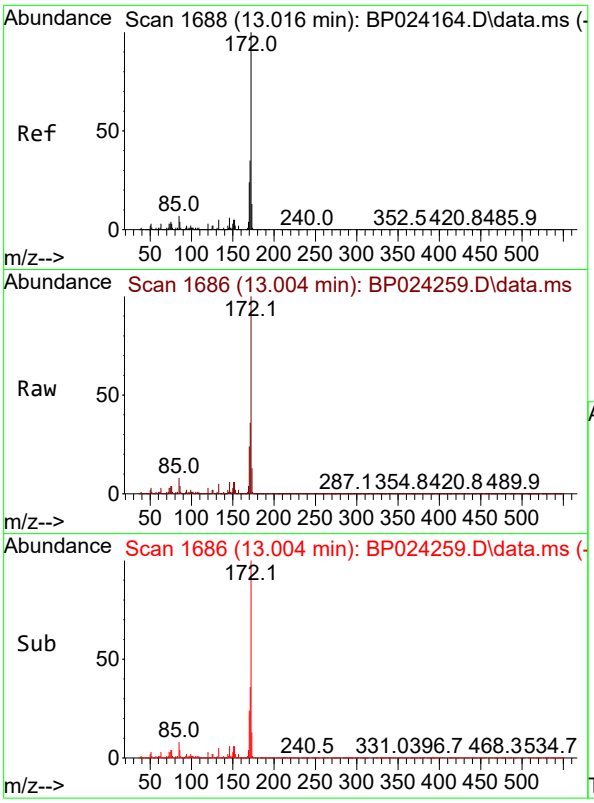


#44
2,4,5-Trichlorophenol
Concen: 43.236 ng
RT: 12.892 min Scan# 1667
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

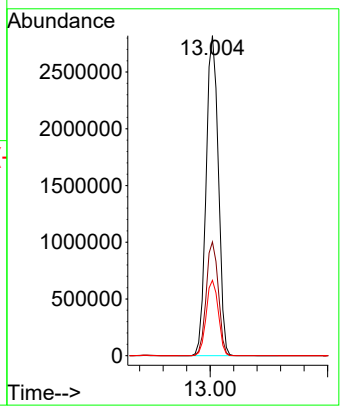




#45
2-Fluorobiphenyl
Concen: 79.486 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:172 Resp: 406968

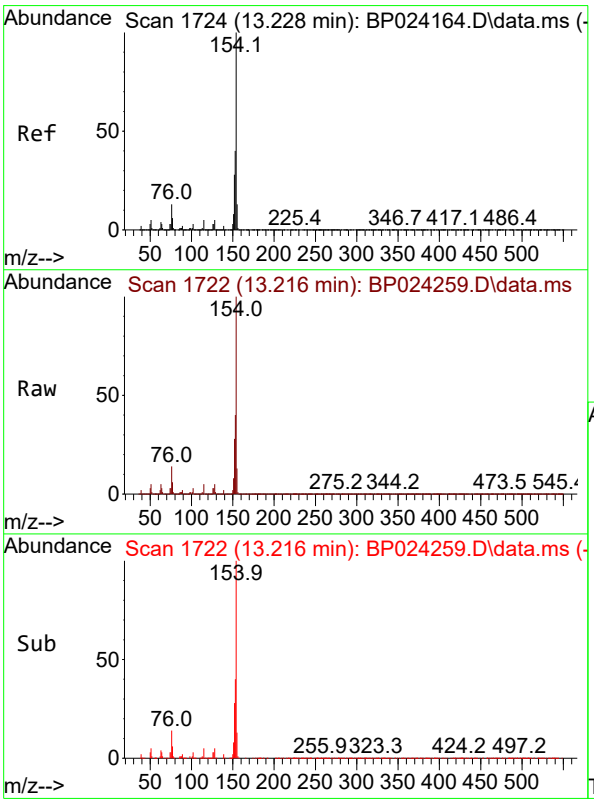
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

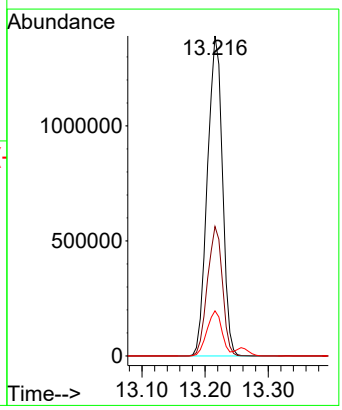
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

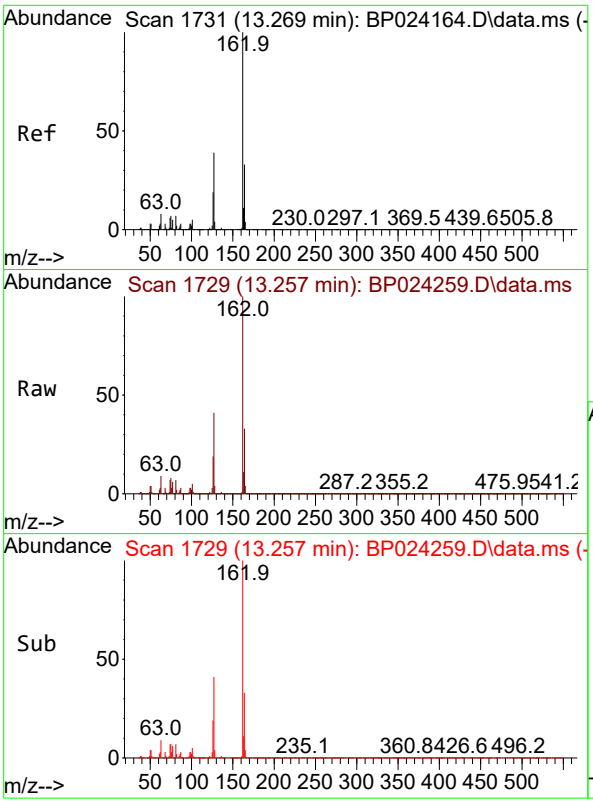


#46
1,1'-Biphenyl
Concen: 40.542 ng
RT: 13.216 min Scan# 1722
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

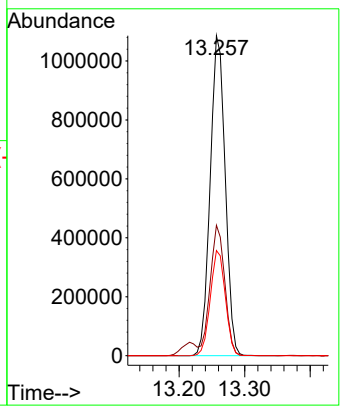




#47
2-Chloronaphthalene
Concen: 40.465 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

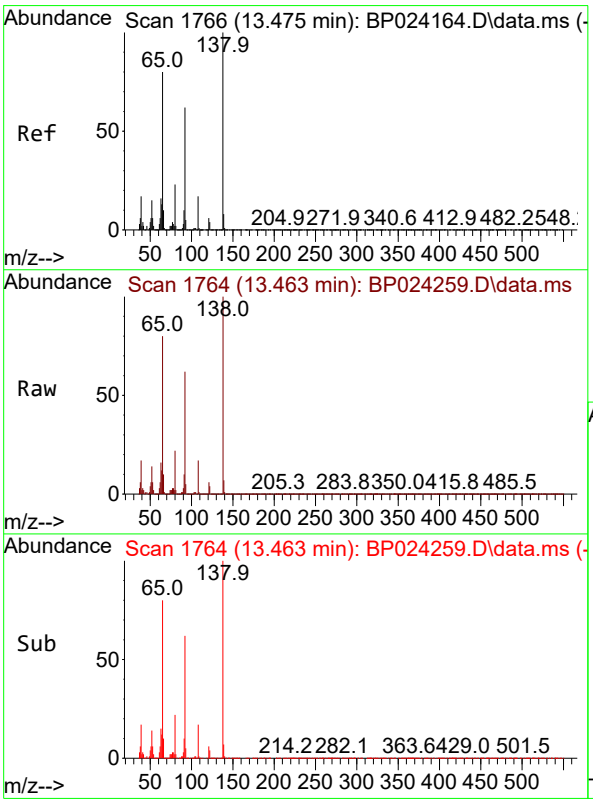
Tgt Ion:162 Resp: 172672

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

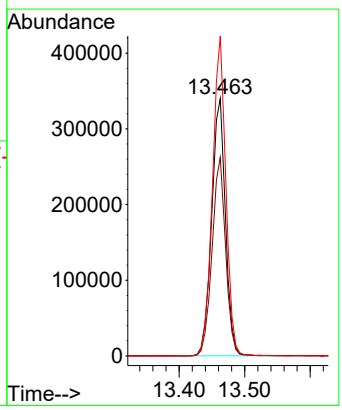
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

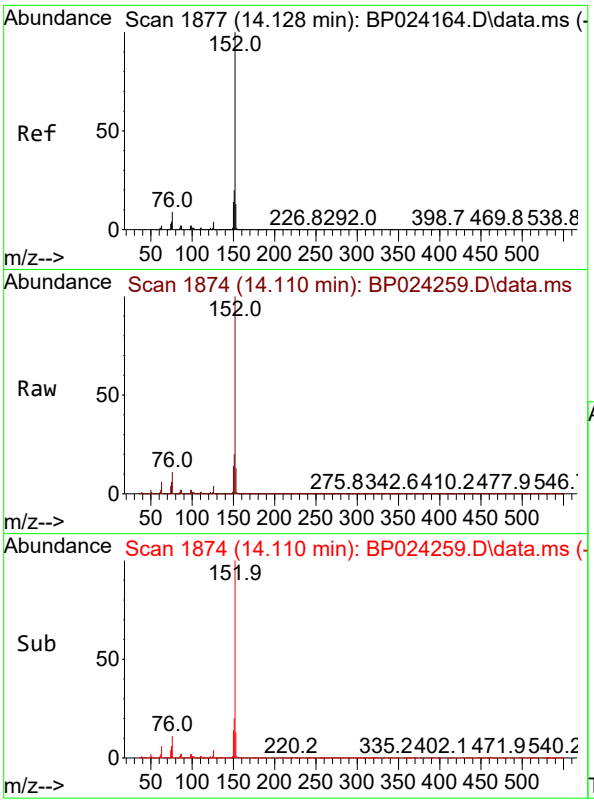


#48
2-Nitroaniline
Concen: 45.527 ng
RT: 13.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

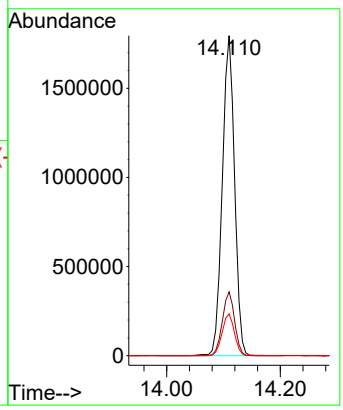




#49
Acenaphthylene
Concen: 41.760 ng
RT: 14.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:152 Resp: 269637

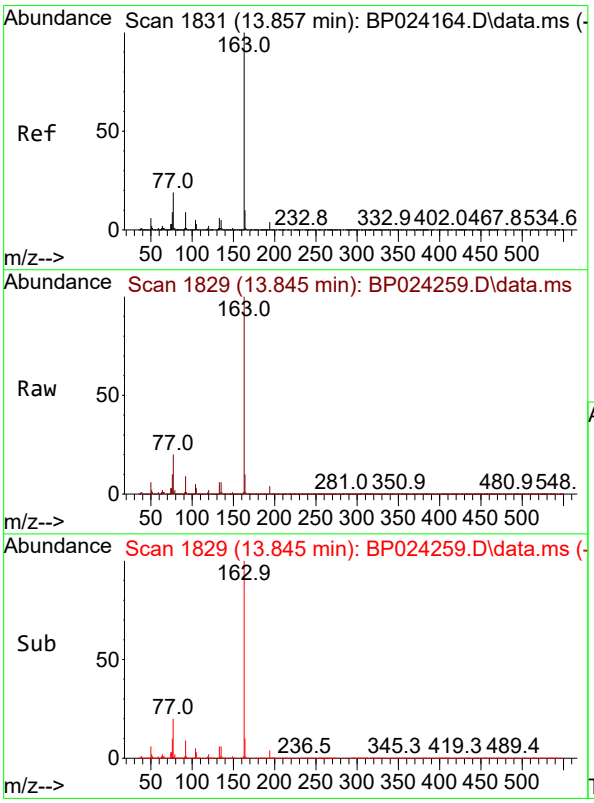
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

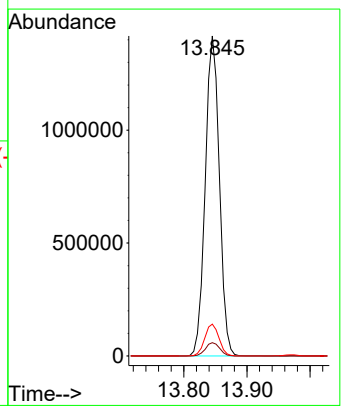
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

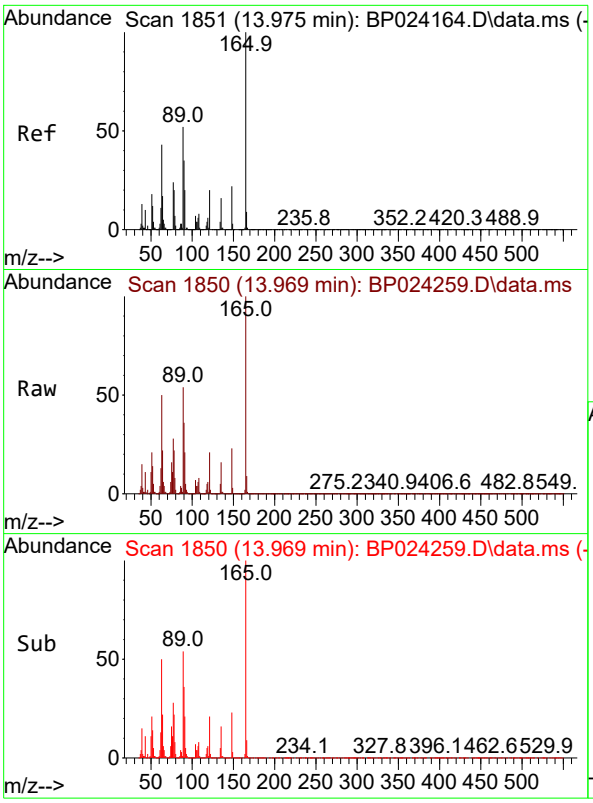


#50
Dimethylphthalate
Concen: 41.667 ng
RT: 13.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

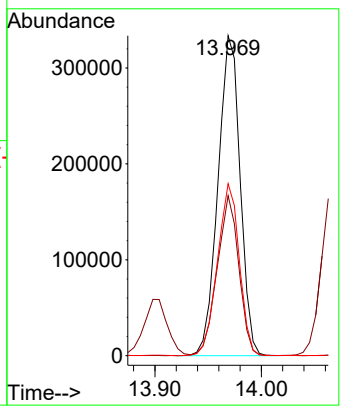
Tgt Ion:165 Resp: 48077

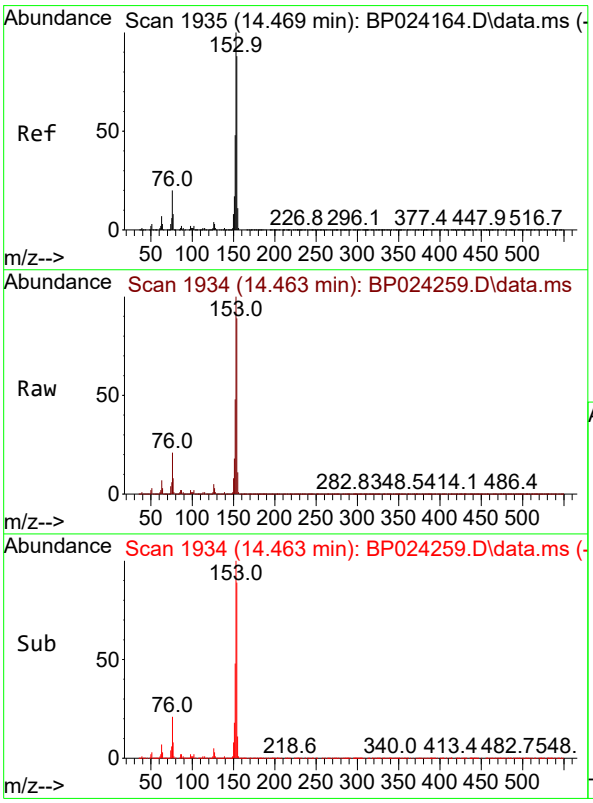
Ion	Ratio	Lower	Upper
165	100		
63	50.0	37.7	56.5
89	53.8	41.9	62.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

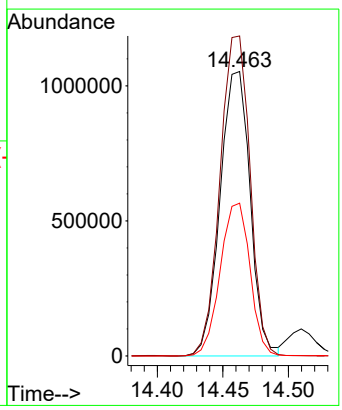


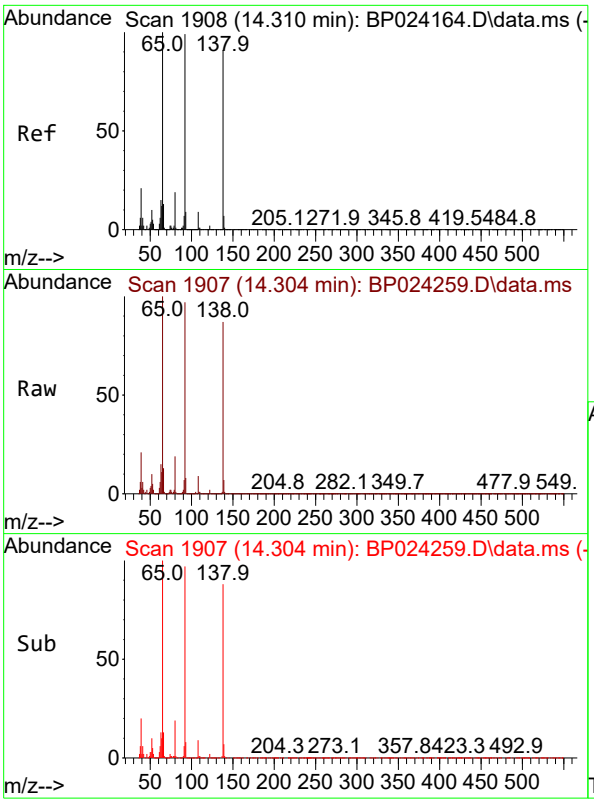


#52
Acenaphthene
Concen: 40.781 ng
RT: 14.463 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

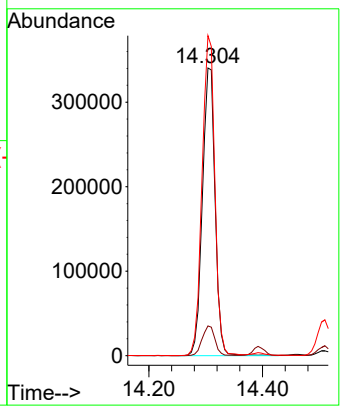
Tgt Ion:138 Resp: 52638

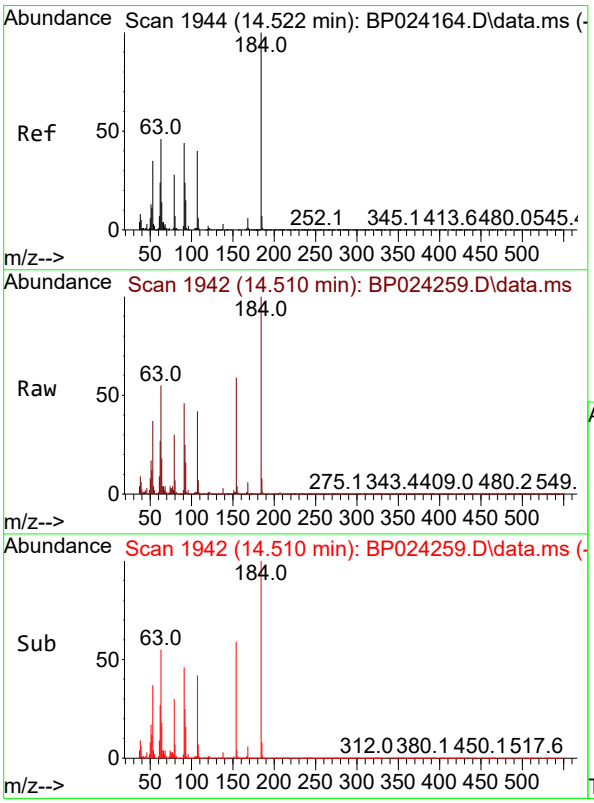
Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.2	12.2
92	111.2	86.7	130.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

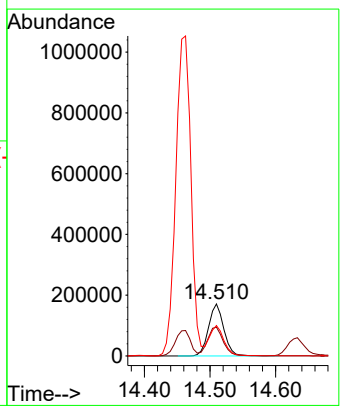


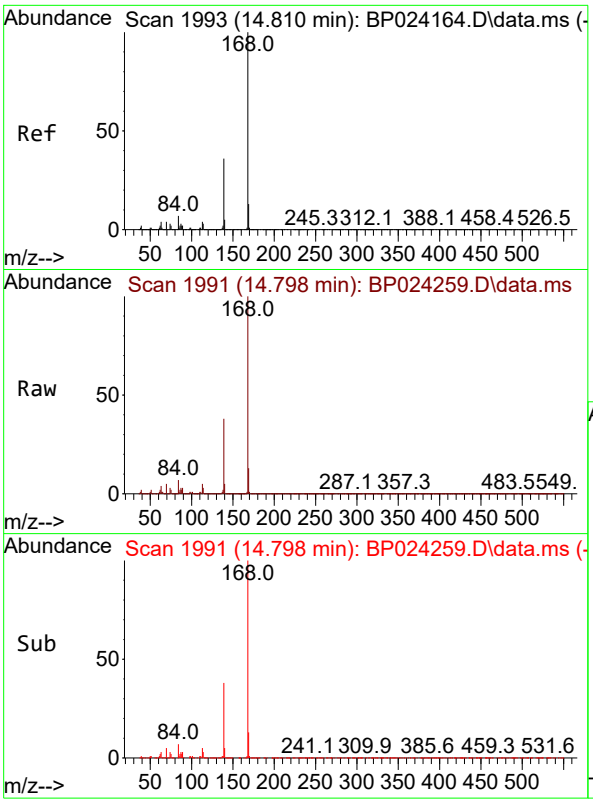


#54
2,4-Dinitrophenol
Concen: 47.115 ng
RT: 14.510 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

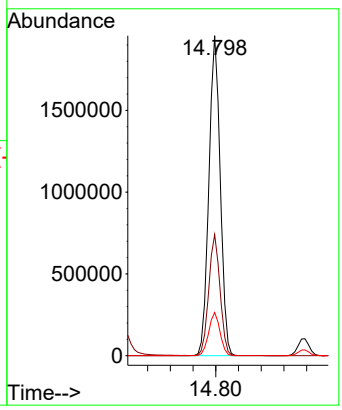




#55
Dibenzofuran
Concen: 40.350 ng
RT: 14.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:168 Resp: 269633

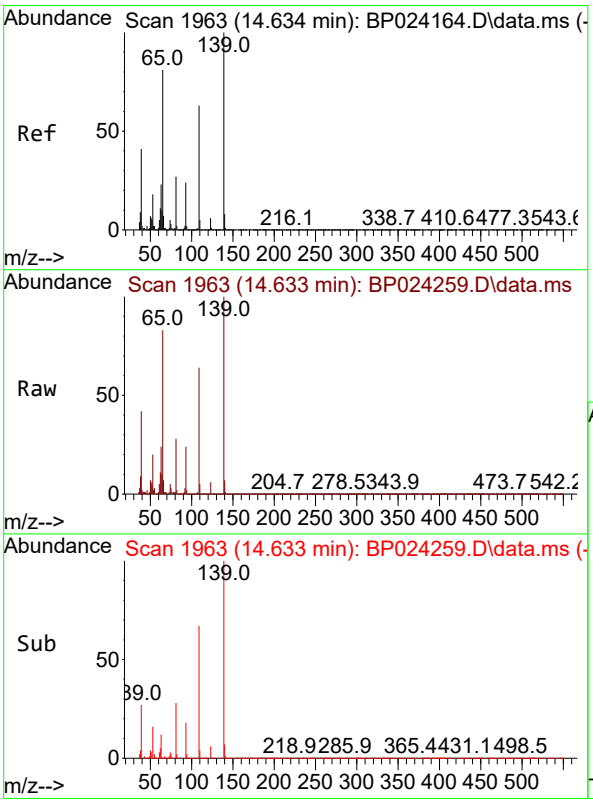
Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.1	43.7
169	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

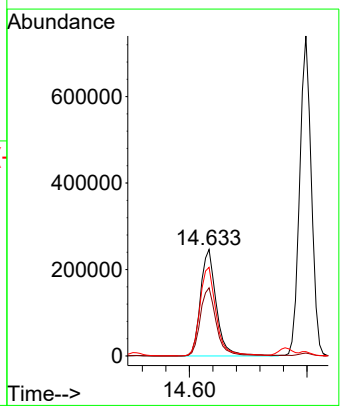
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

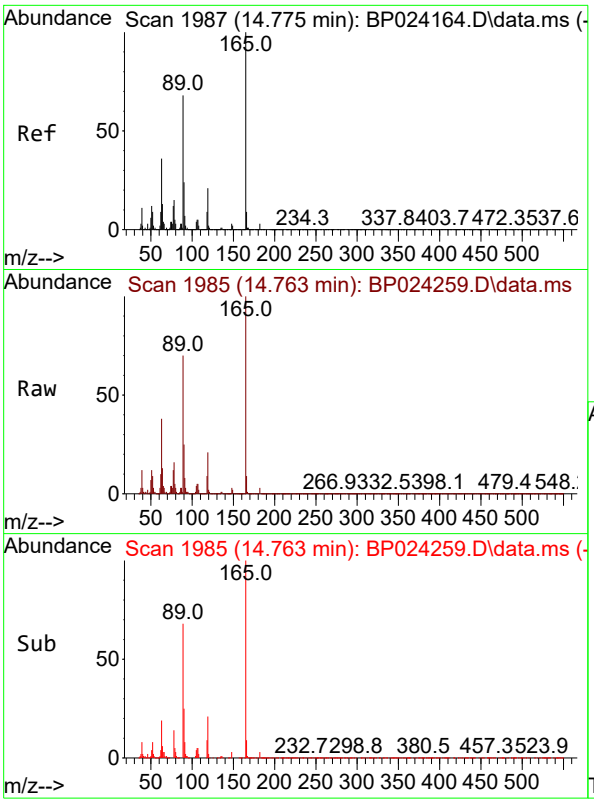


#56
4-Nitrophenol
Concen: 45.756 ng
RT: 14.633 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

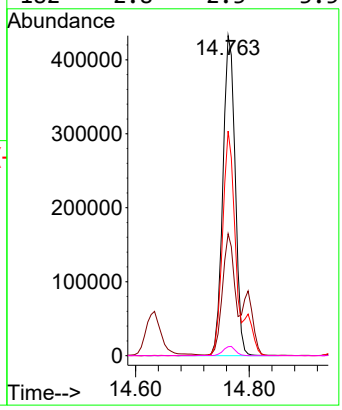




#57
2,4-Dinitrotoluene
Concen: 44.371 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:165 Resp: 65143

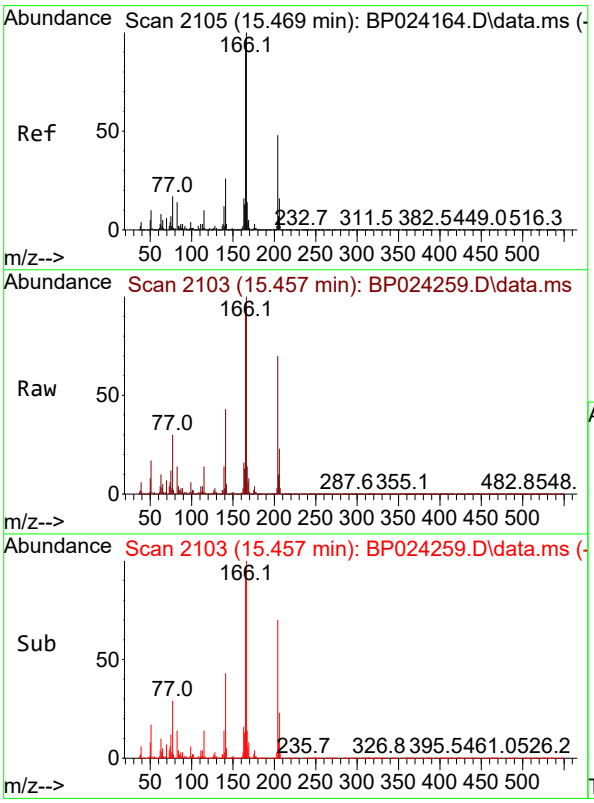
Ion	Ratio	Lower	Upper
165	100		
63	38.1	29.0	43.6
89	70.2	54.2	81.4
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

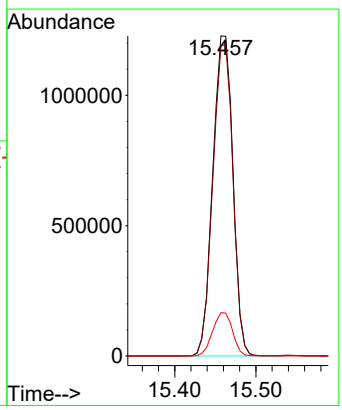
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

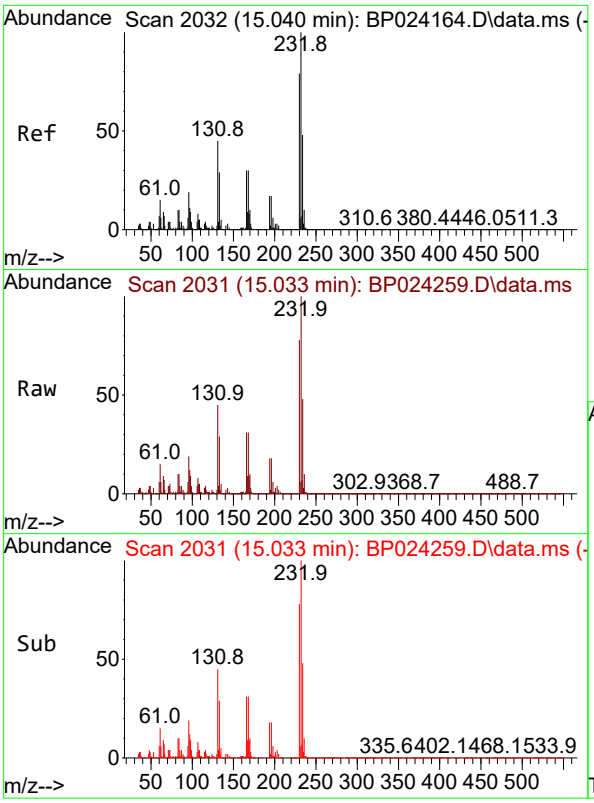


#58
Fluorene
Concen: 40.700 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

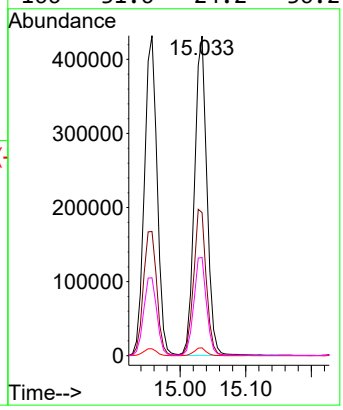




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.129 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

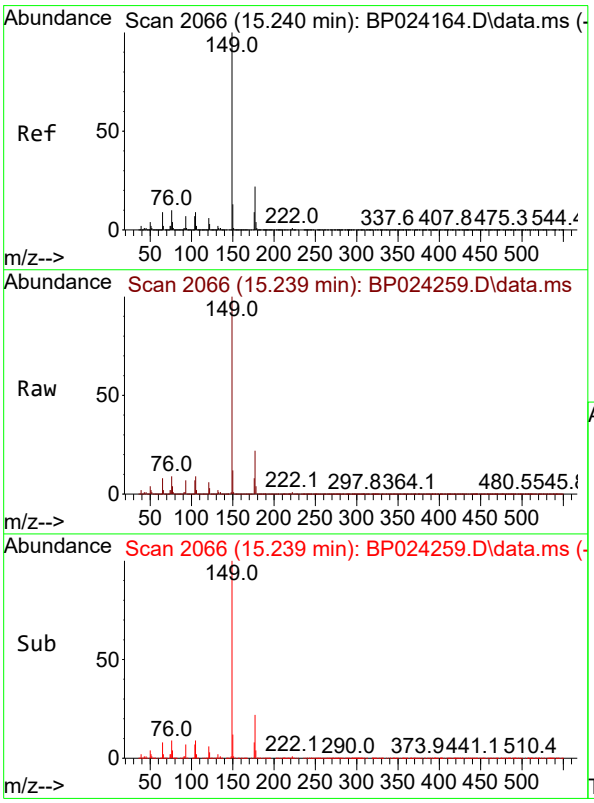
Tgt Ion:232 Resp: 56613

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

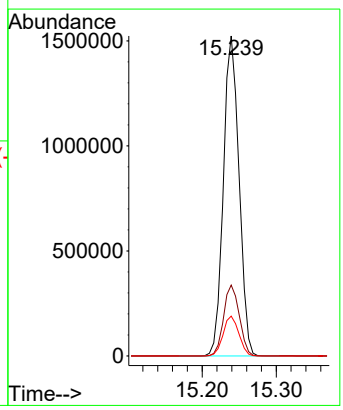
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

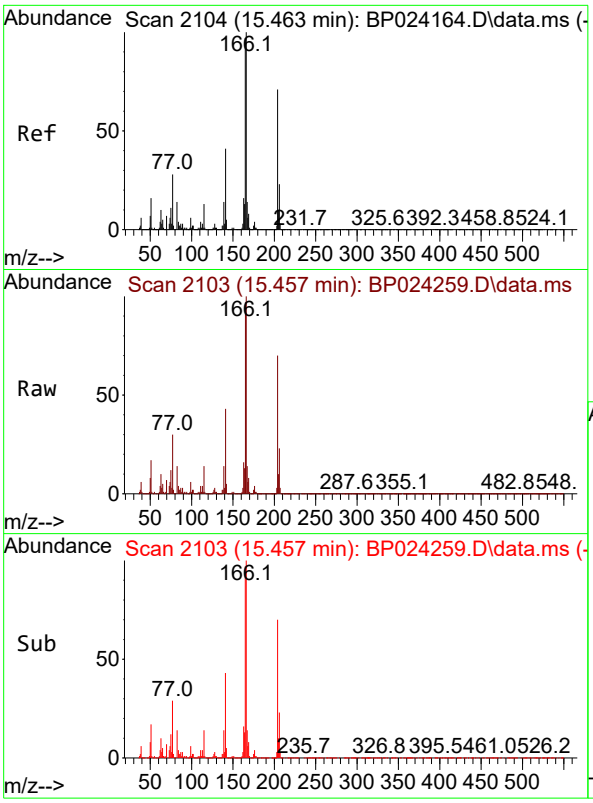


#60
Diethylphthalate
Concen: 42.381 ng
RT: 15.239 min Scan# 2066
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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





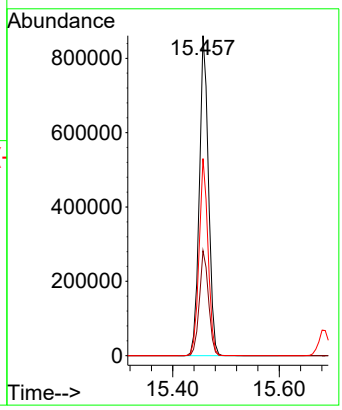
#61
4-Chlorophenyl-phenylether
Concen: 40.103 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

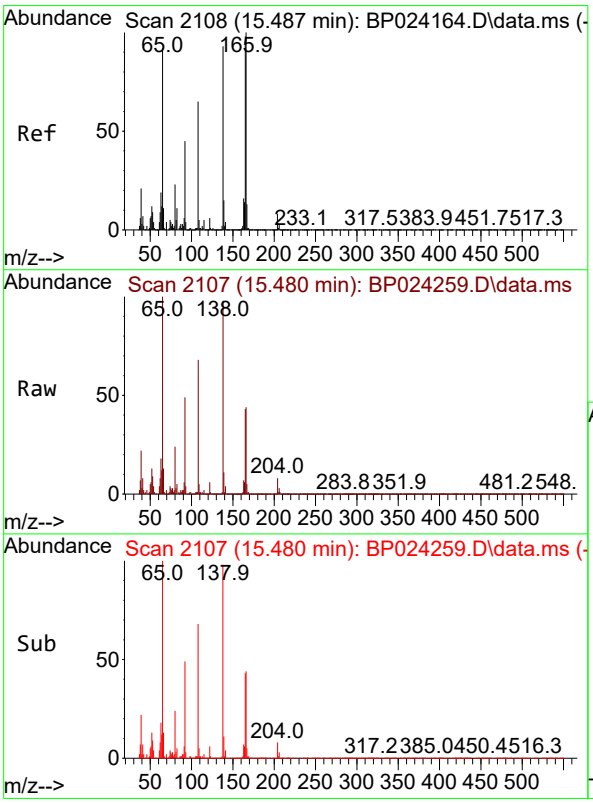
Tgt Ion:204 Resp: 102409

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	61.6	45.8	68.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

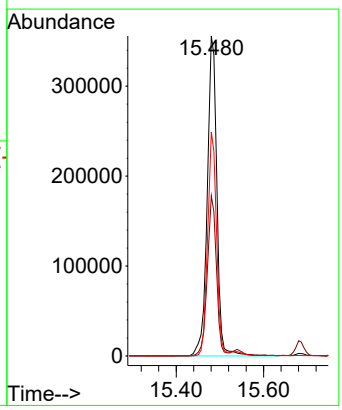


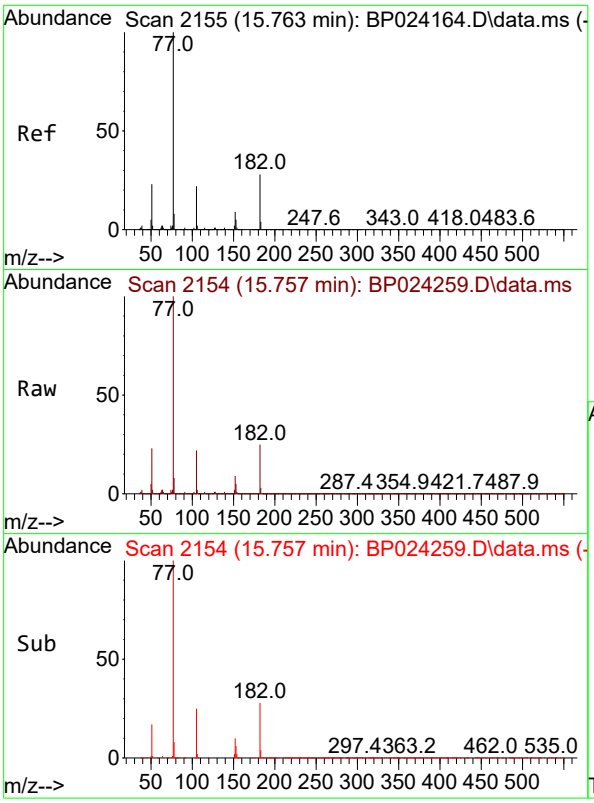


#62
4-Nitroaniline
Concen: 43.364 ng
RT: 15.480 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

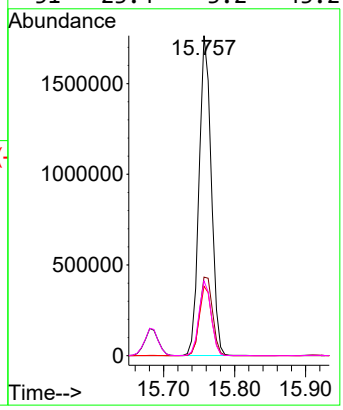




#63
Azobenzene
Concen: 42.541 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

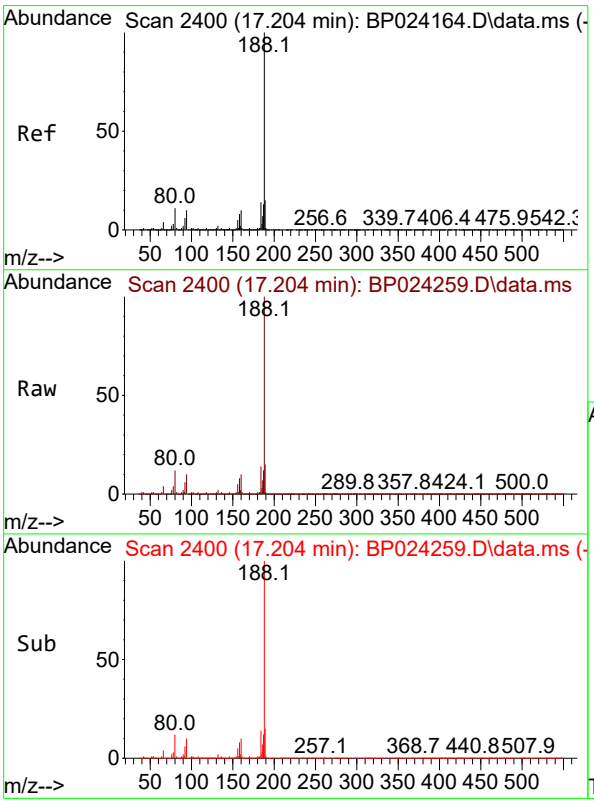
Tgt Ion: 77 Resp: 210928

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

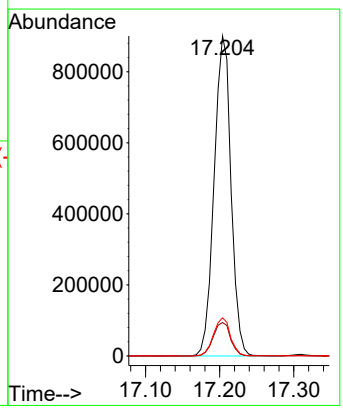
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

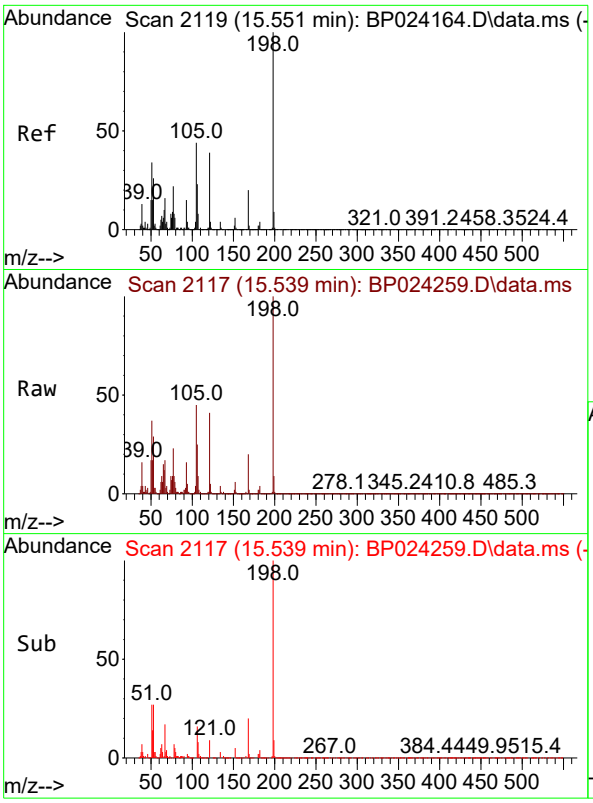


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

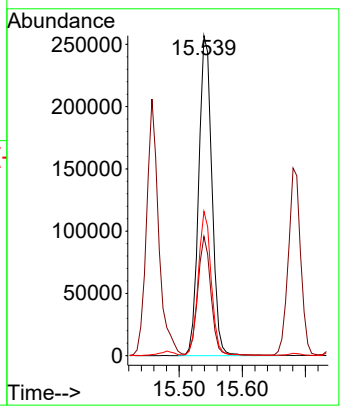




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:198 Resp: 37219

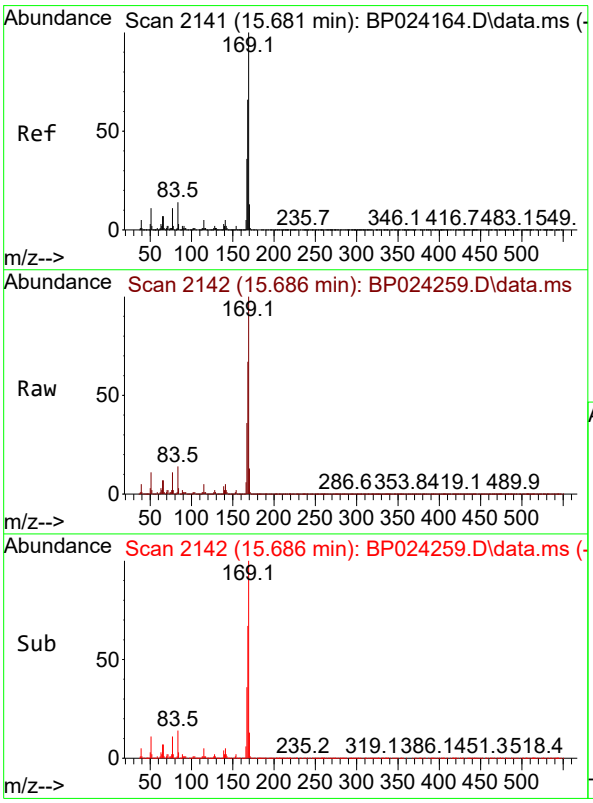
Ion	Ratio	Lower	Upper
198	100		
51	37.3	14.7	54.7
105	45.1	23.8	63.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

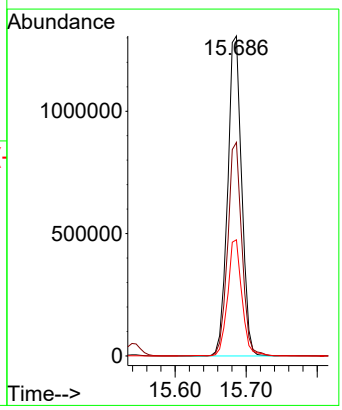
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

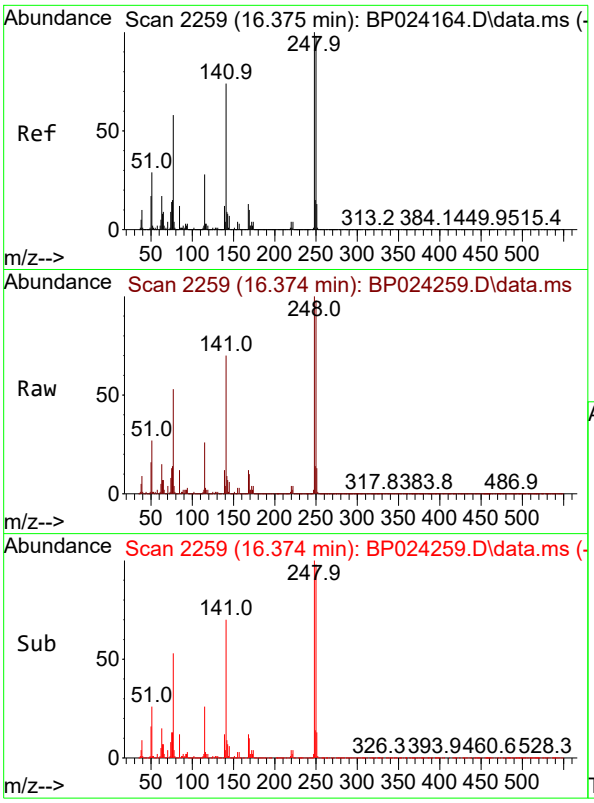


#66
n-Nitrosodiphenylamine
Concen: 41.426 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

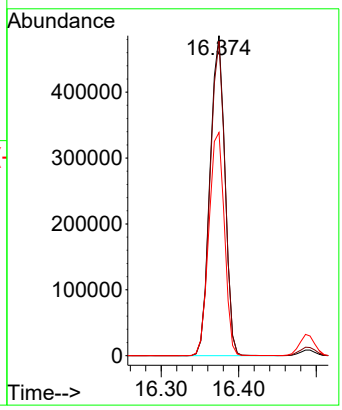
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

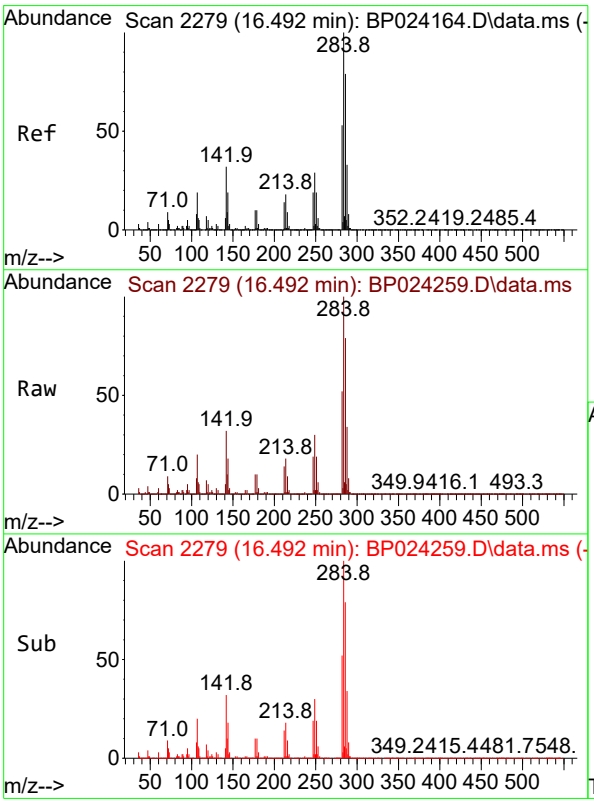
Tgt Ion:248 Resp: 64955

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.4	117.6
141	69.8	59.4	89.0

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

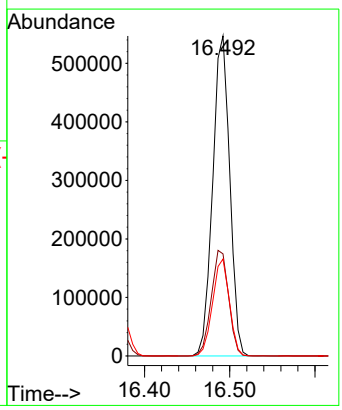


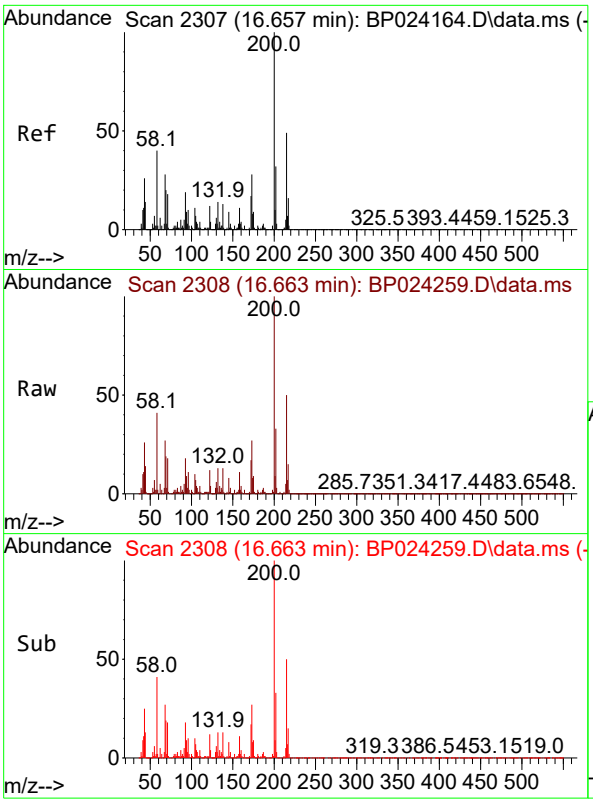


#68
Hexachlorobenzene
Concen: 41.213 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

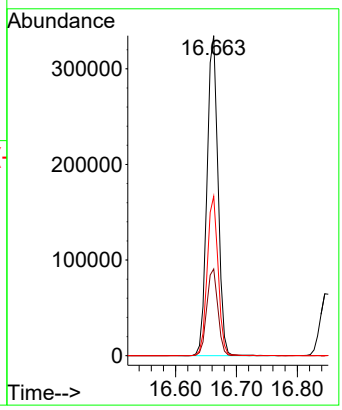




#69
Atrazine
Concen: 40.396 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:200 Resp: 42116

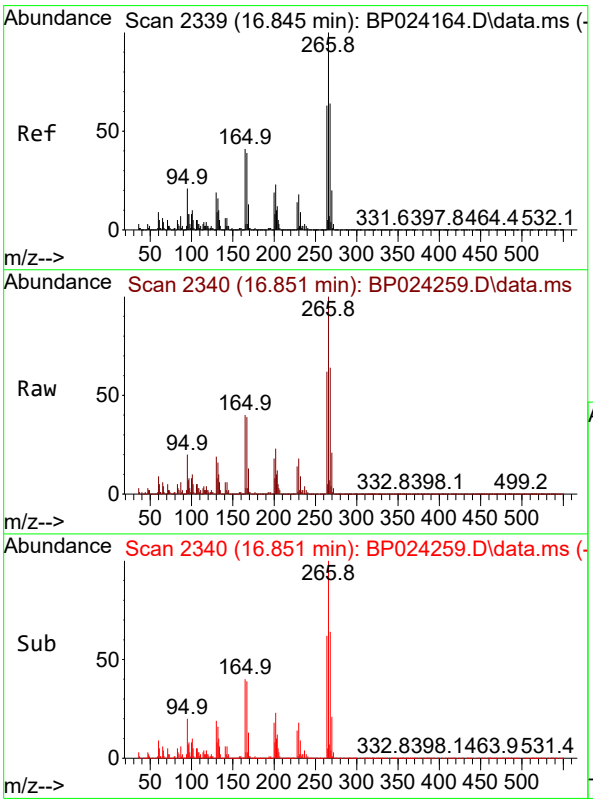
Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.6	47.6
215	49.8	29.0	69.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

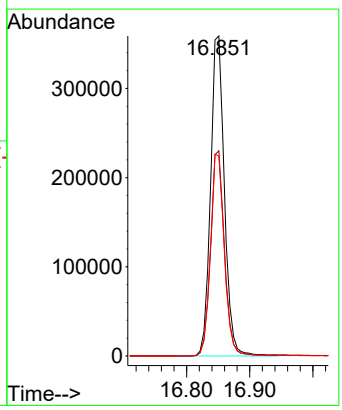
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

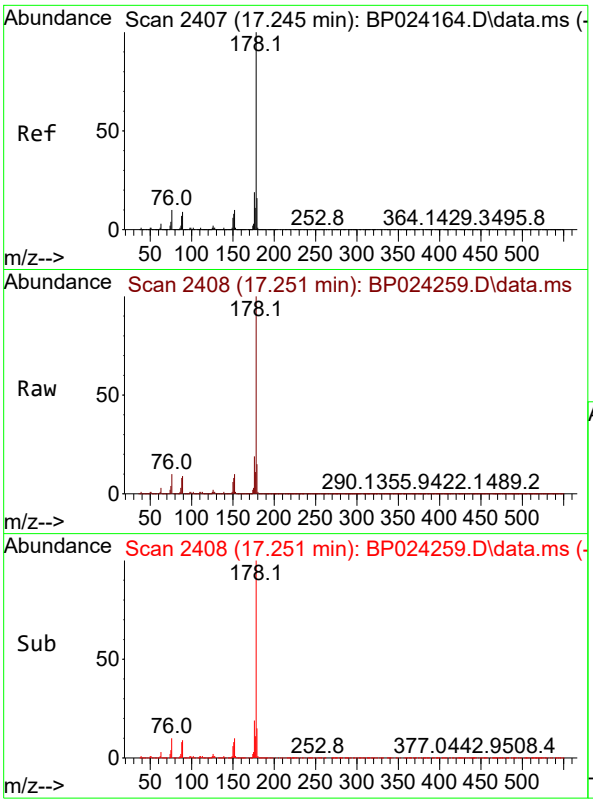


#70
Pentachlorophenol
Concen: 45.717 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

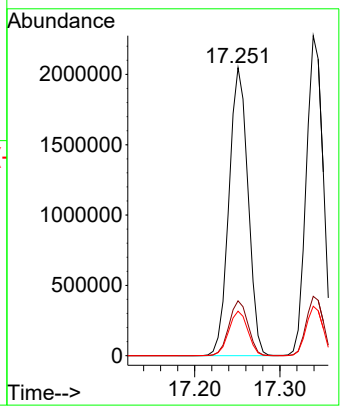
Tgt Ion:178 Resp: 318621

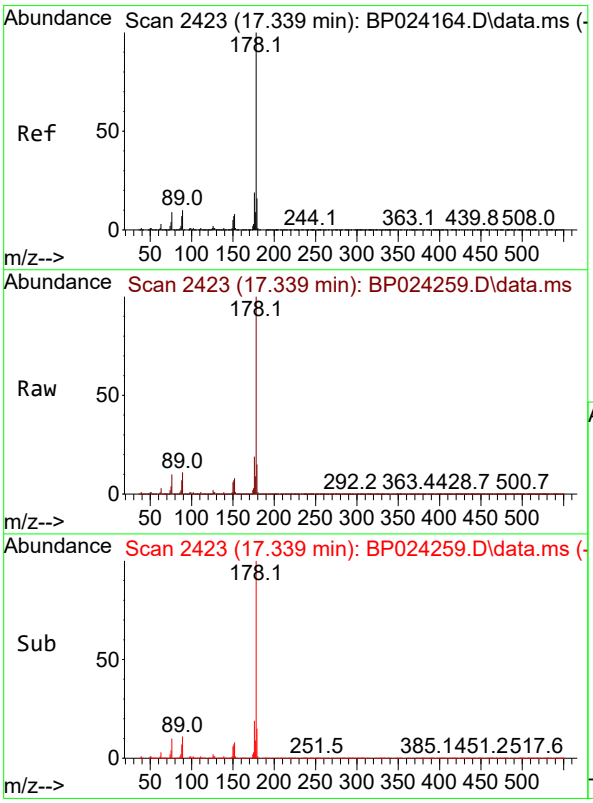
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.5	12.5	18.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

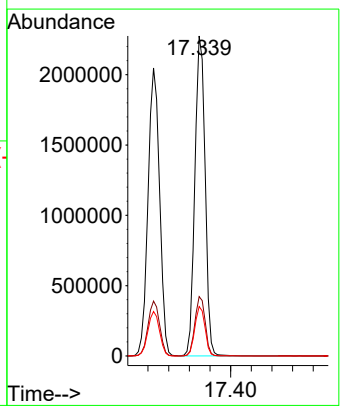


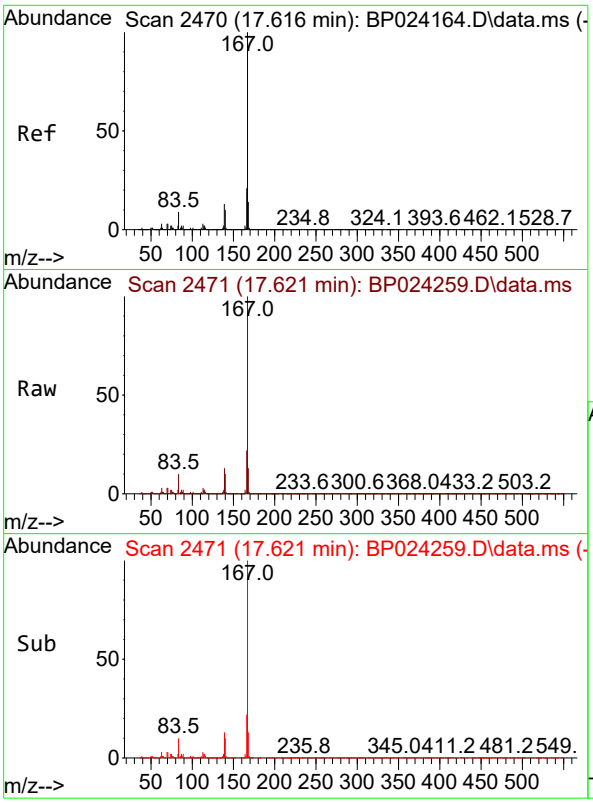


#72
Anthracene
Concen: 41.409 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

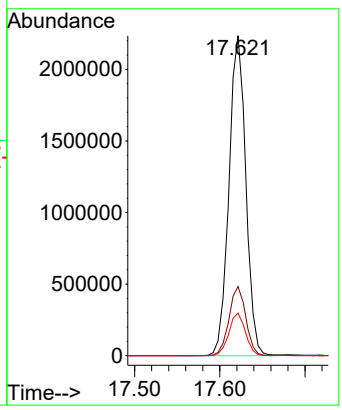
Tgt Ion:167 Resp: 307392

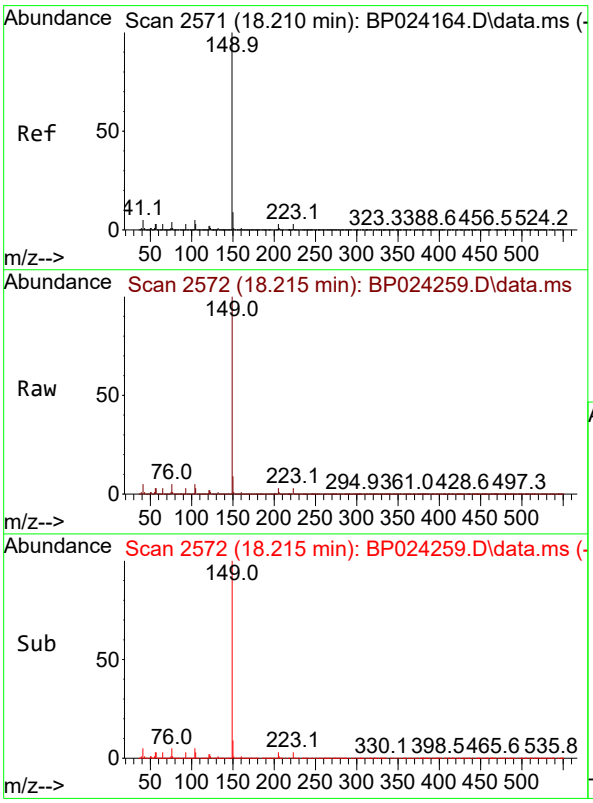
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.2	15.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

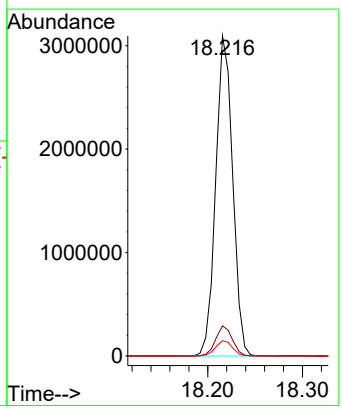


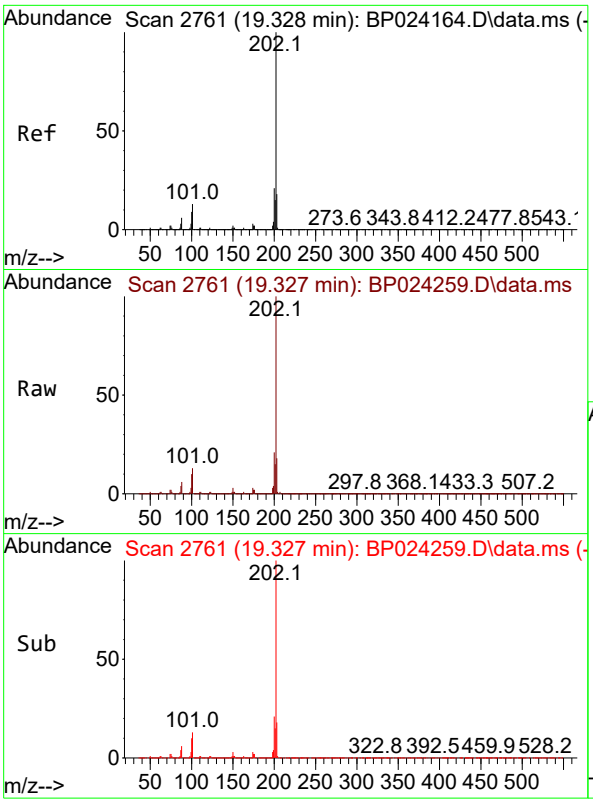


#74
Di-n-butylphthalate
Concen: 44.419 ng
RT: 18.215 min Scan# 2572
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

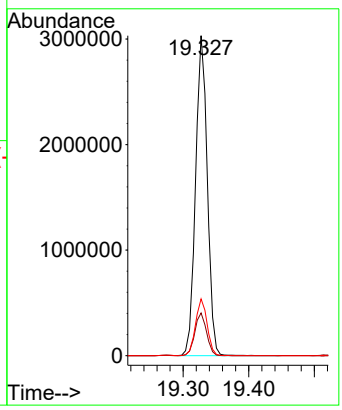
Tgt Ion:202 Resp: 377240

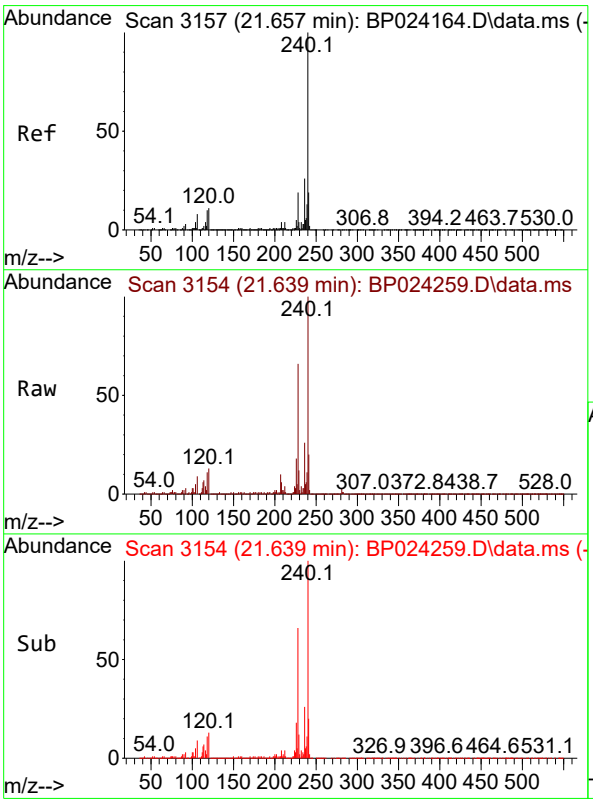
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.5
203	17.7	0.0	37.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

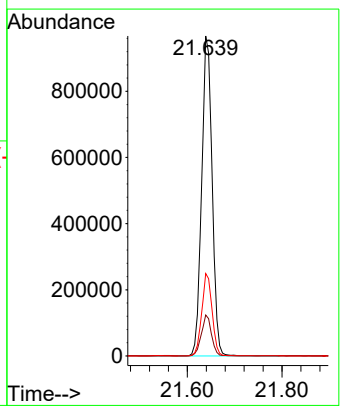


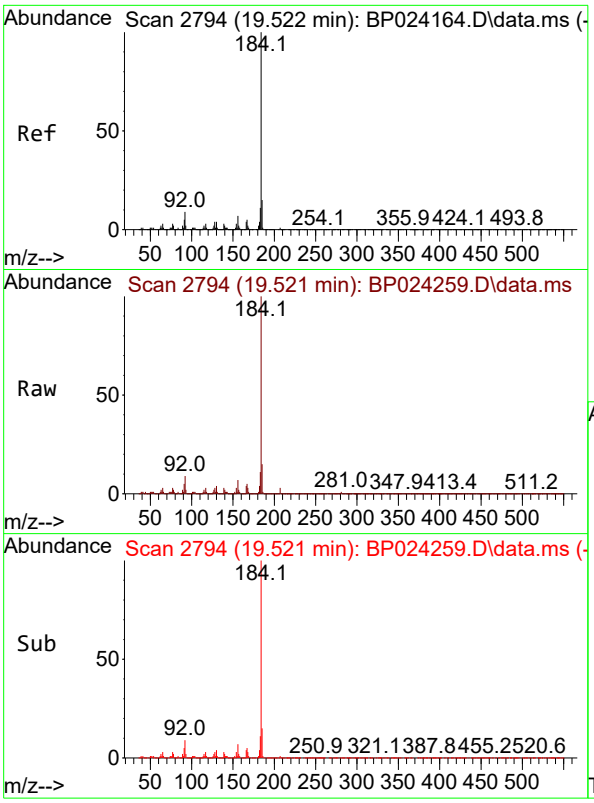


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

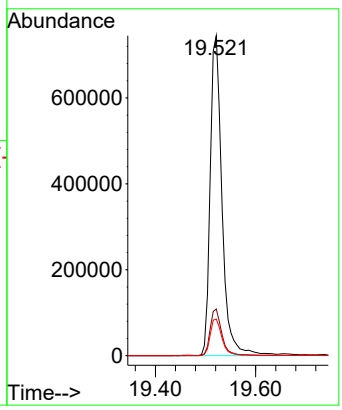




#77
Benzidine
Concen: 75.598 ng
RT: 19.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:184 Resp: 122070

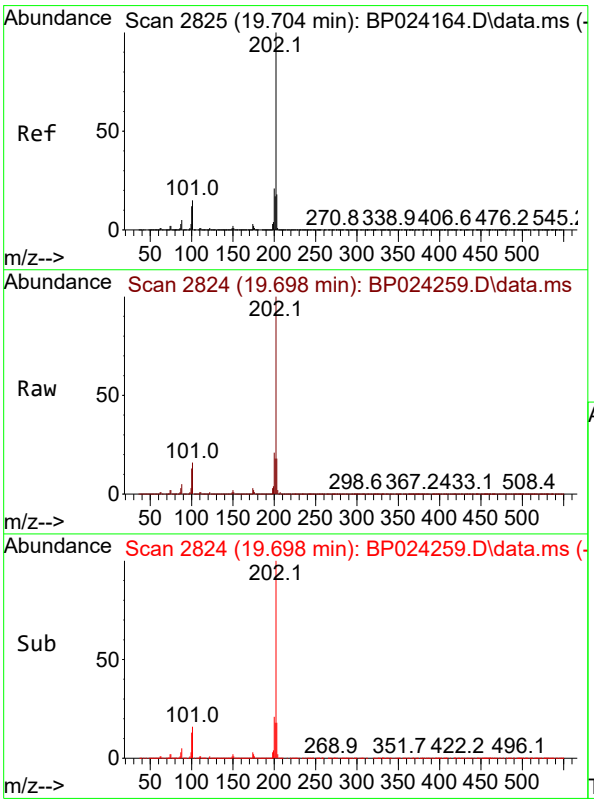
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.4	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

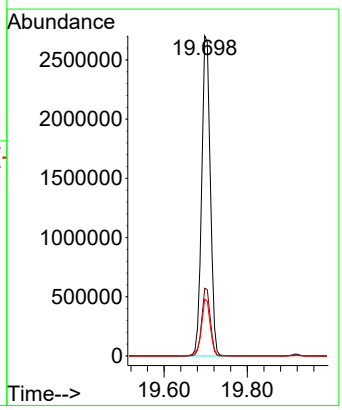
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

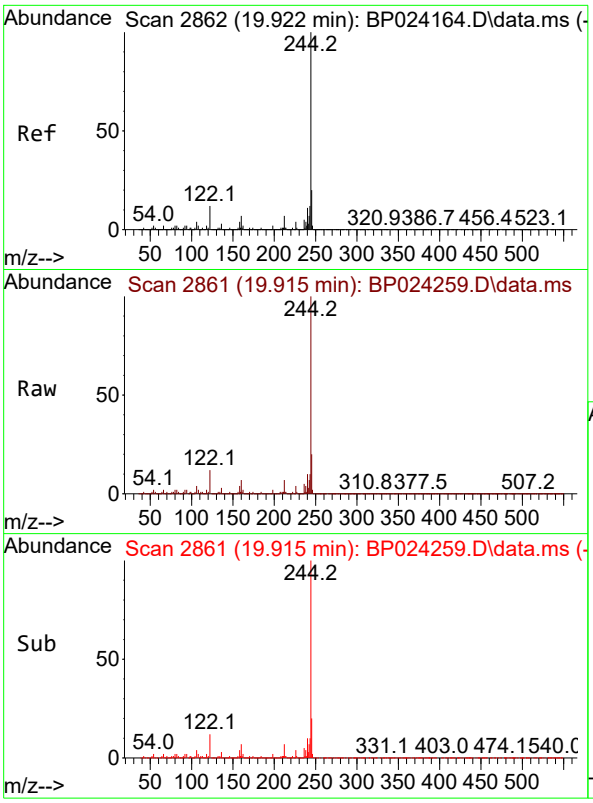


#78
Pyrene
Concen: 42.418 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

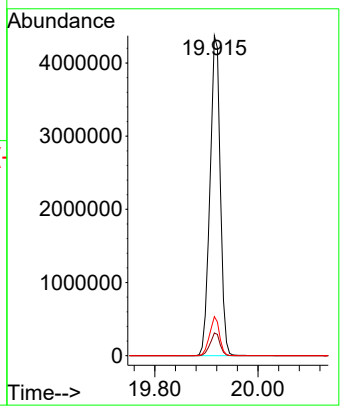




#79
Terphenyl-d14
Concen: 84.305 ng
RT: 19.915 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:244 Resp: 603174

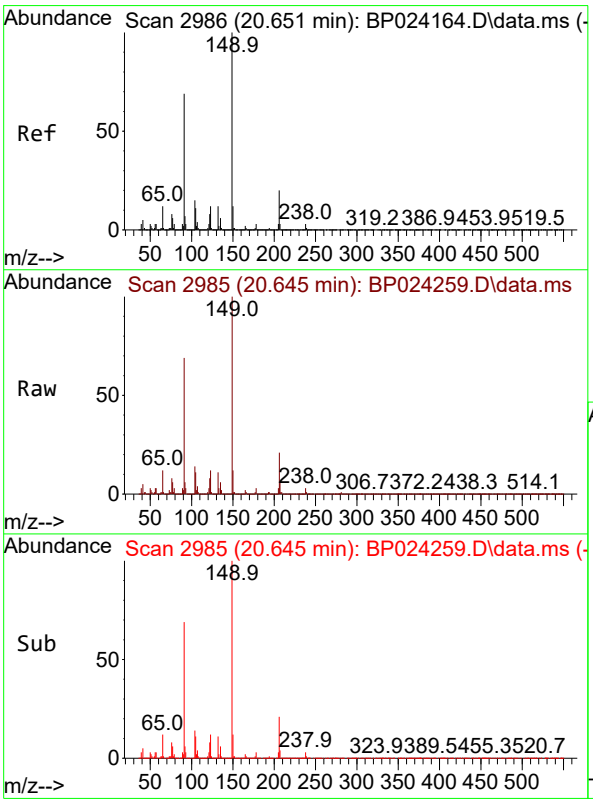
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.2	9.6	14.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

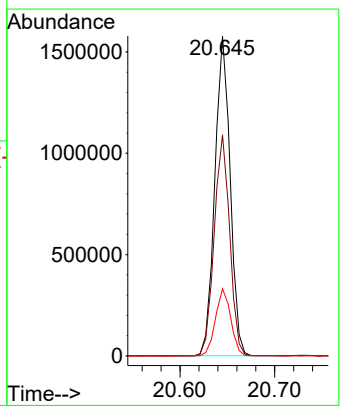
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

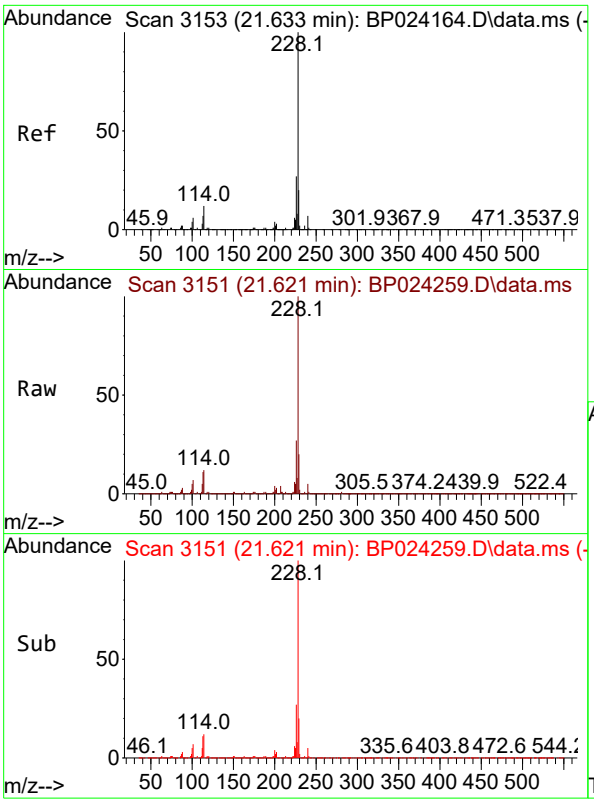


#80
Butylbenzylphthalate
Concen: 46.750 ng
RT: 20.645 min Scan# 2985
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

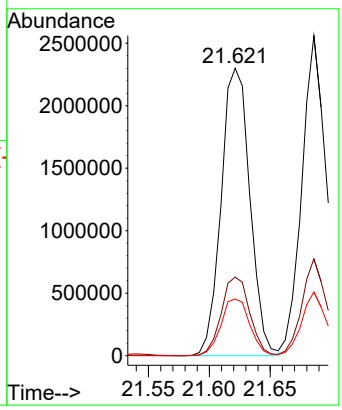
Tgt Ion:228 Resp: 377865

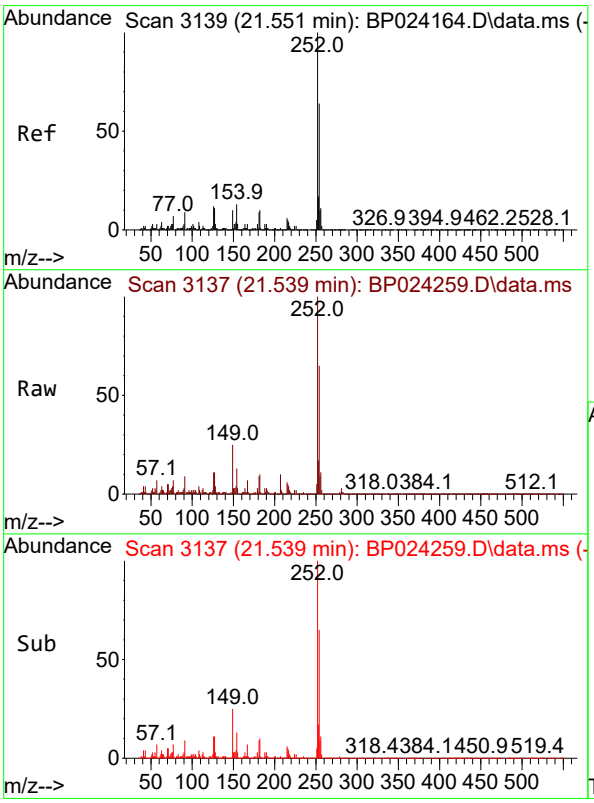
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

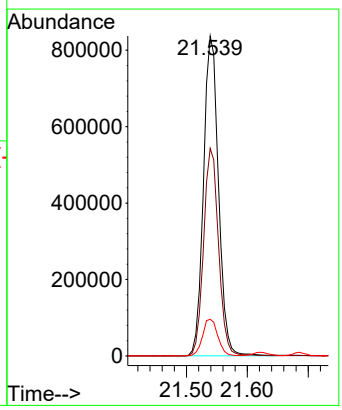


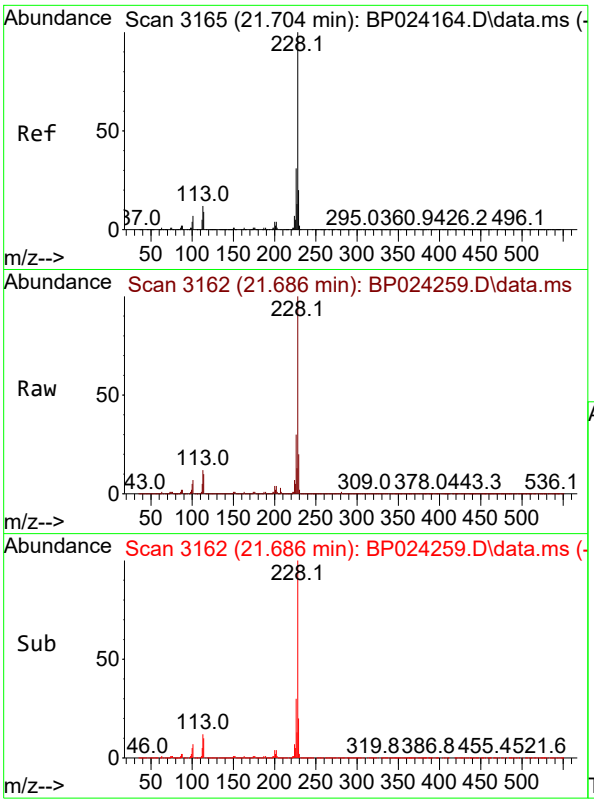


#82
3,3'-Dichlorobenzidine
Concen: 46.547 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

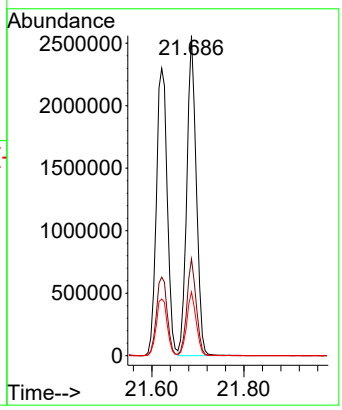




#83
Chrysene
Concen: 41.095 ng
RT: 21.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:228 Resp: 362747

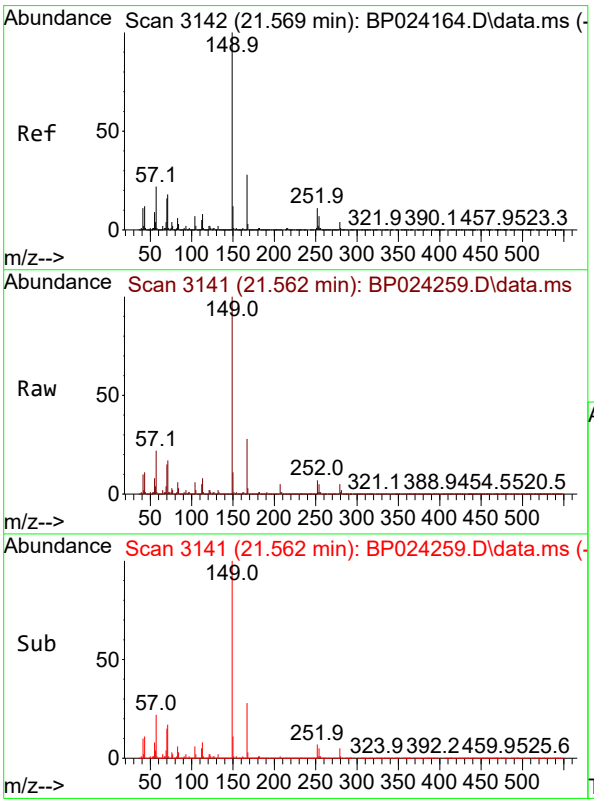
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

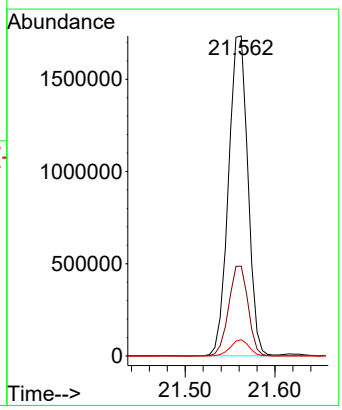
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

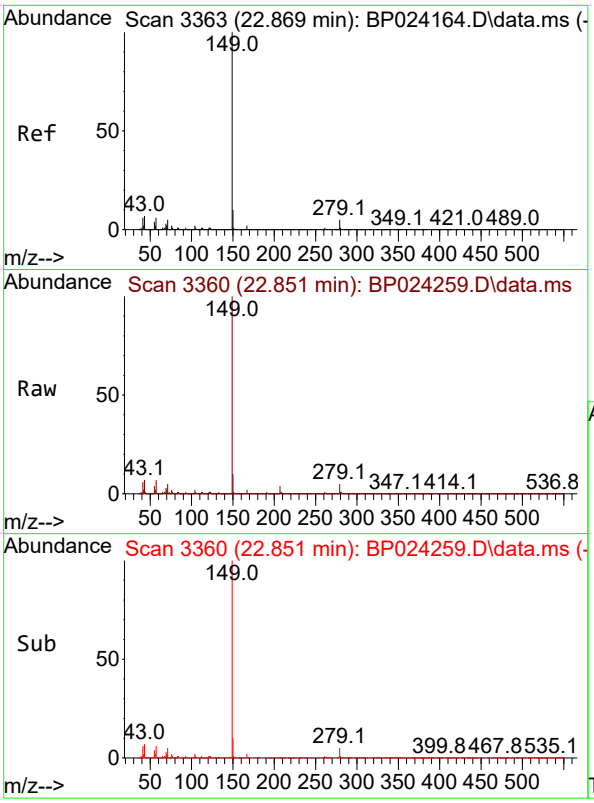


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.528 ng
RT: 21.562 min Scan# 3141
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

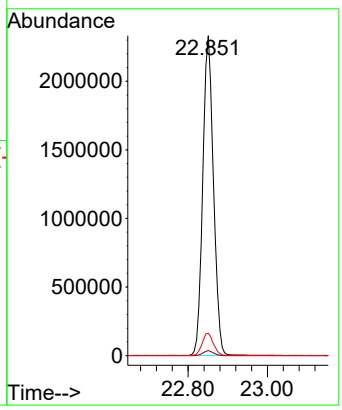




#85
Di-n-octyl phthalate
Concen: 47.734 ng
RT: 22.851 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 436946

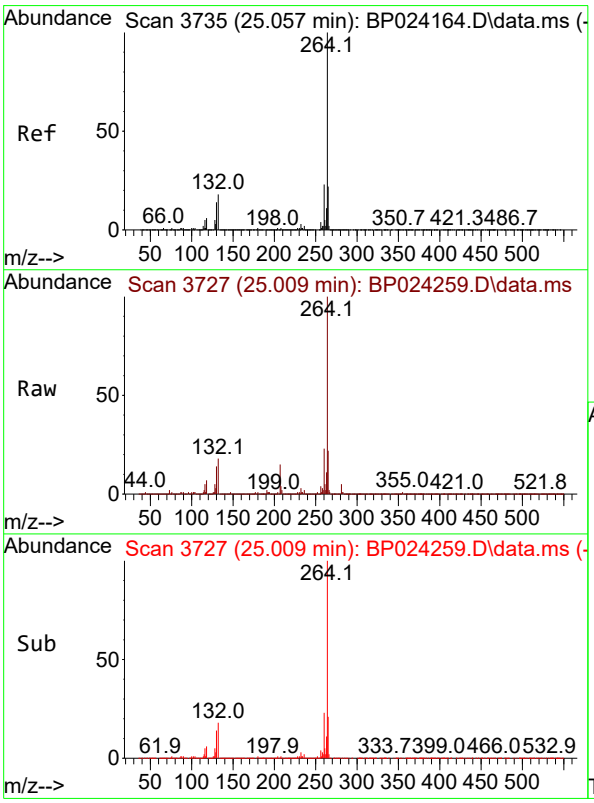
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

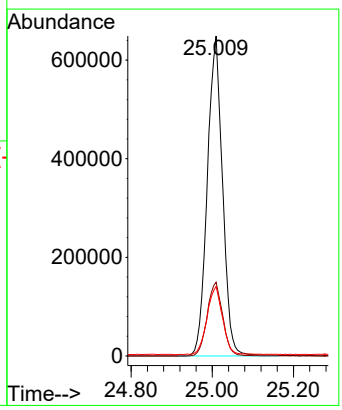
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

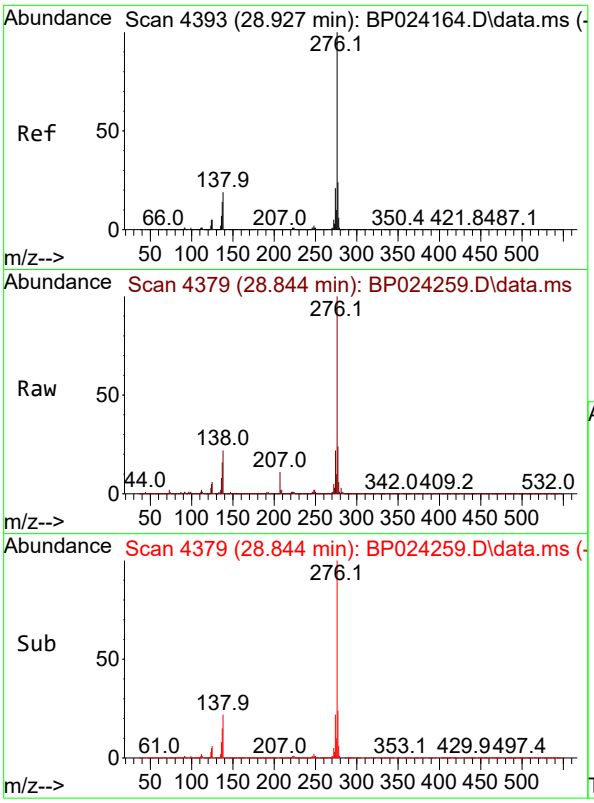


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3727
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

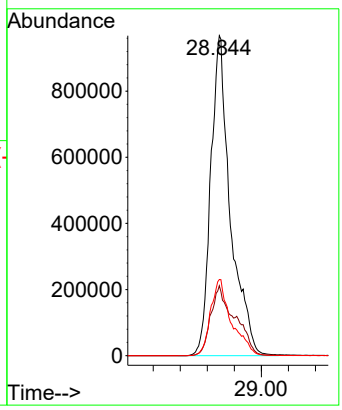




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.422 ng
RT: 28.844 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:276 Resp: 487275

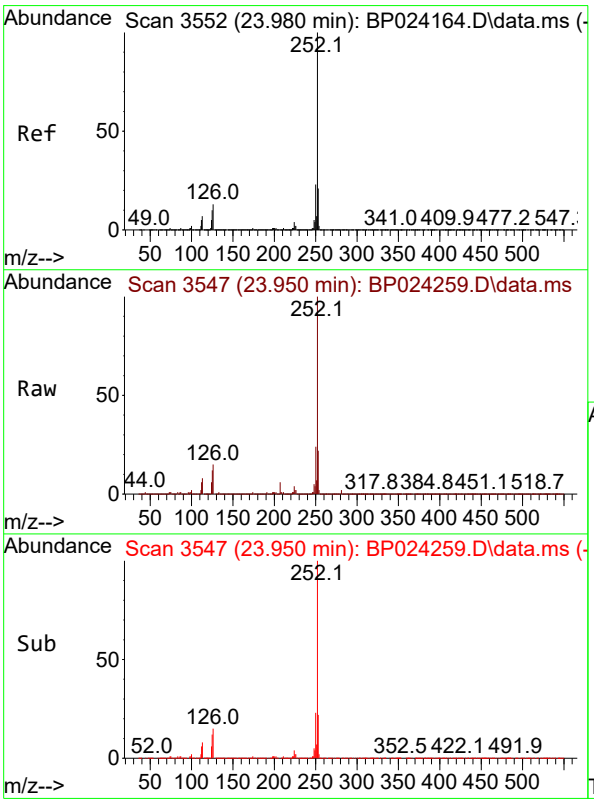
Ion	Ratio	Lower	Upper
276	100		
138	26.8	13.7	20.5#
277	25.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

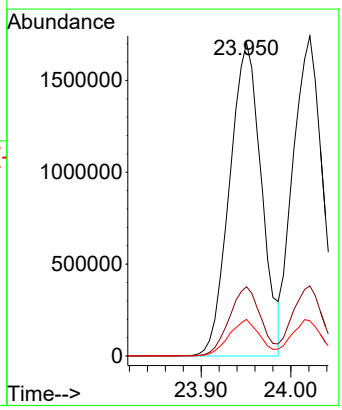
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

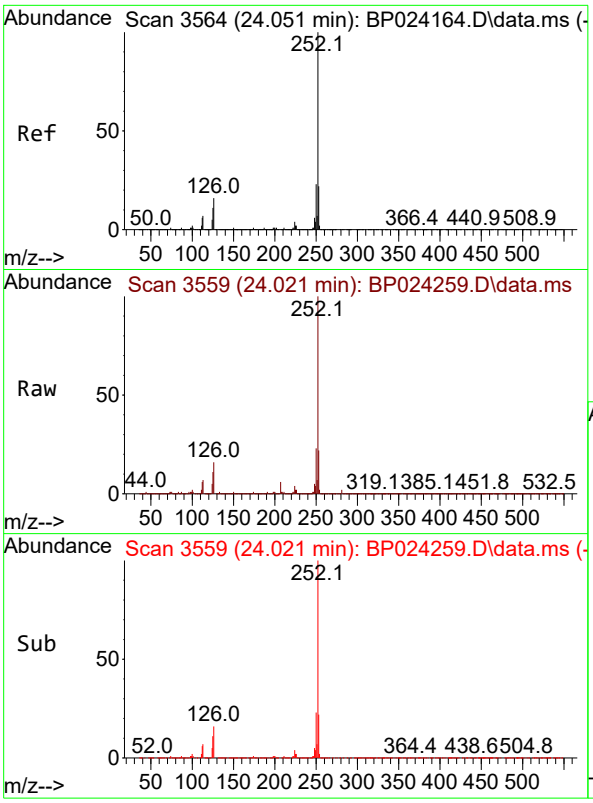


#88
Benzo(b)fluoranthene
Concen: 41.362 ng
RT: 23.950 min Scan# 3547
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

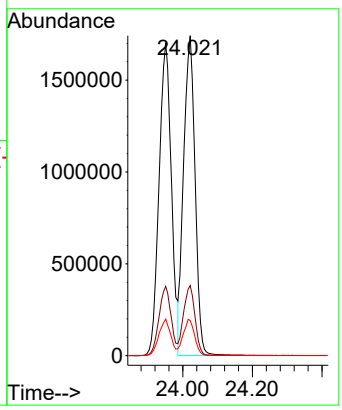




#89
Benzo(k)fluoranthene
Concen: 40.100 ng
RT: 24.021 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

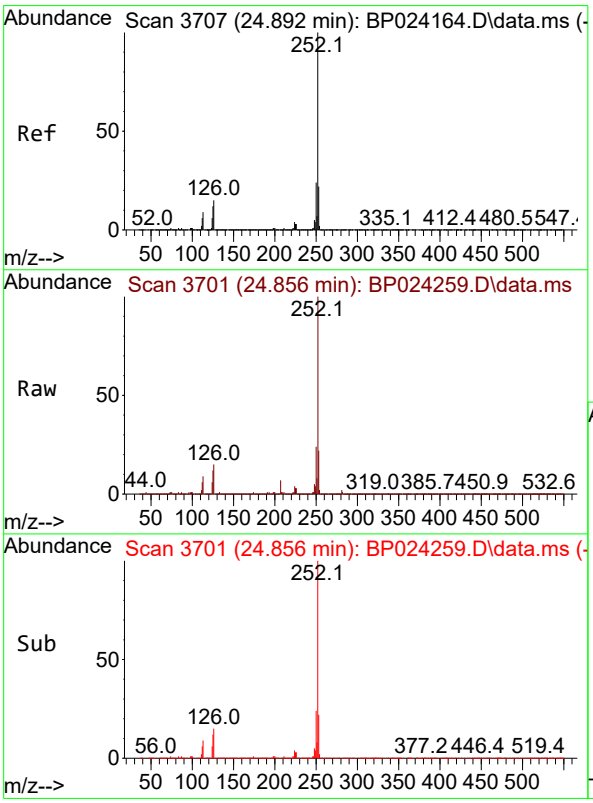
Tgt Ion:252 Resp: 398634

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.0	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

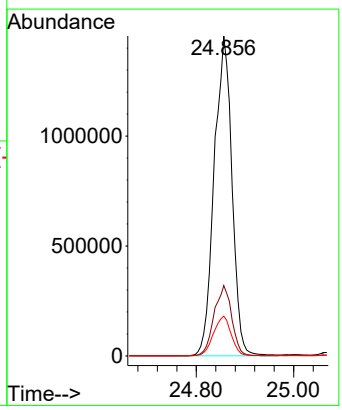
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

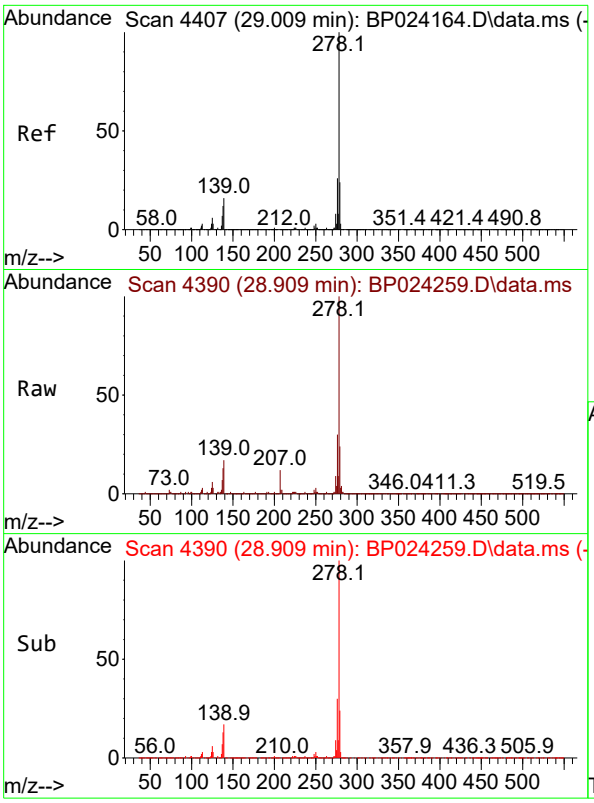


#90
Benzo(a)pyrene
Concen: 41.754 ng
RT: 24.856 min Scan# 3701
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

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

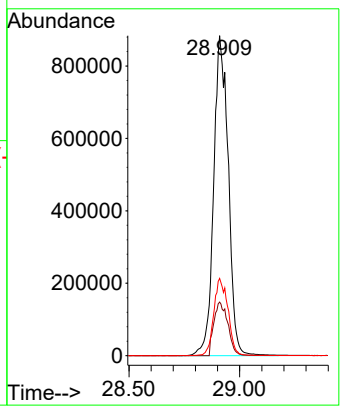




#91
Dibenzo(a,h)anthracene
Concen: 41.326 ng
RT: 28.909 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:278 Resp: 404444

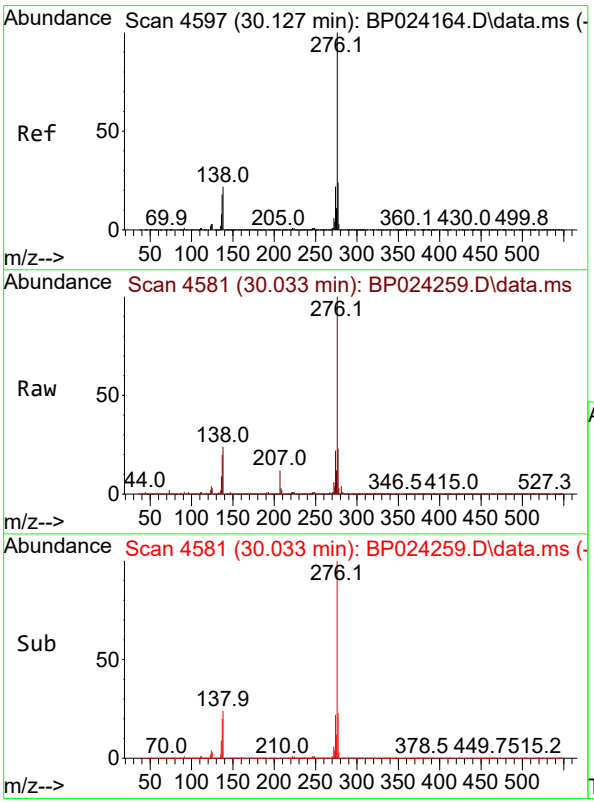
Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.0	19.4
279	24.1	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

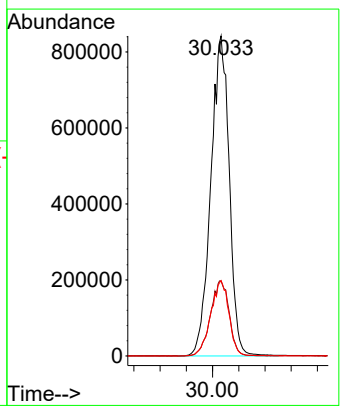
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



#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



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

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

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

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

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

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

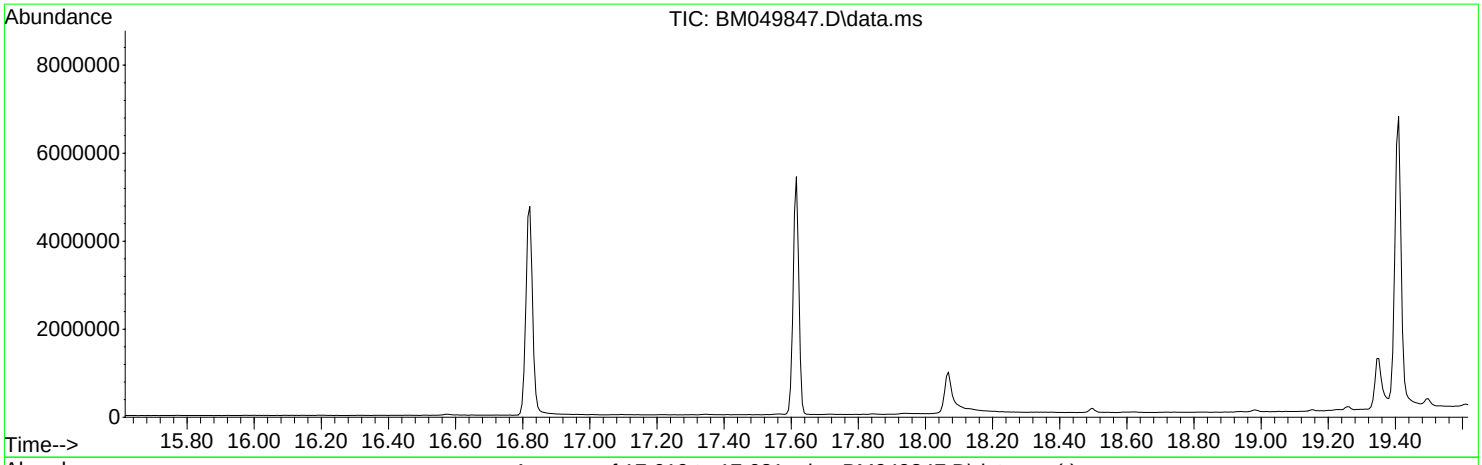
QC SAMPLE DATA

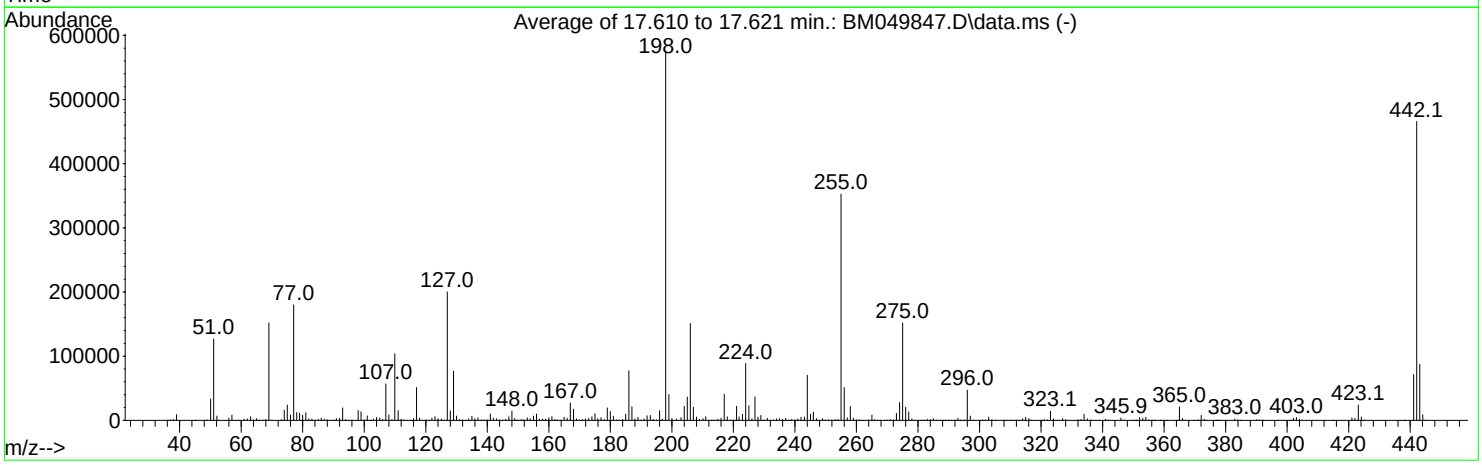
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.1	126723	PASS
68	69	0.00	2	1.2	1886	PASS
69	198	0.00	100	26.5	151989	PASS
70	69	0.00	2	0.3	382	PASS
127	198	10	80	34.9	200277	PASS
197	198	0.00	2	0.4	2141	PASS
198	198	100	100	100.0	573312	PASS
199	198	5	9	7.0	40037	PASS
275	198	10	60	26.5	151747	PASS
365	198	1	100	3.7	21032	PASS
441	198	0.01	100	12.4	71269	PASS
442	442	50	100	100.0	465813	PASS
443	442	15	24	18.8	87675	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

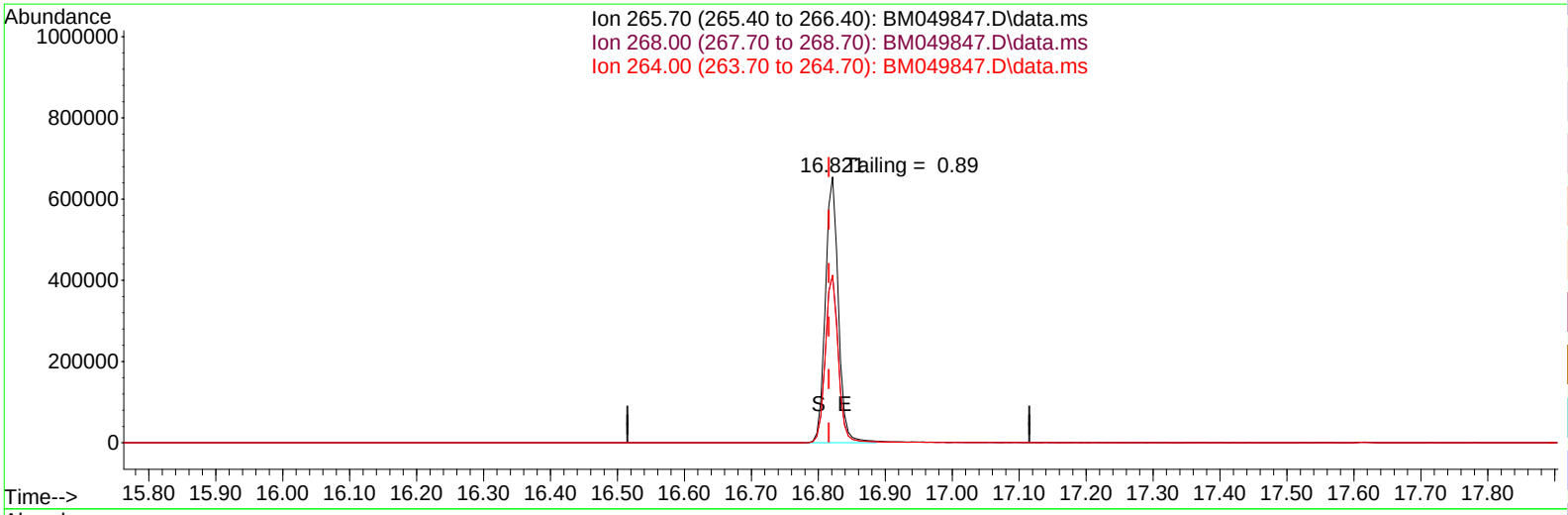
DDT Breakdown

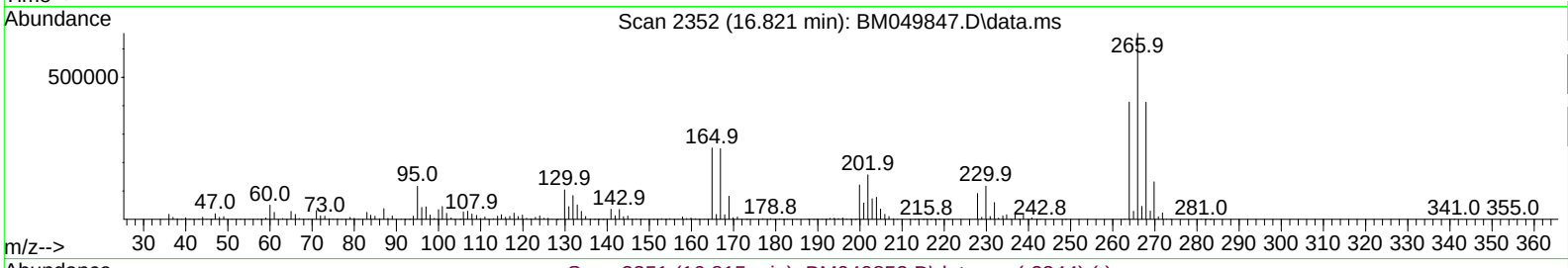
Date	Instrument Name	DFTPP Data File
4/8/2025	BNA_M	BM049847.D
Compound Name	**Response**	**Retention Time**
DDT	1953764	20.645
DDD	24016	20.262
DDE	1854	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25870	1979634	1.31

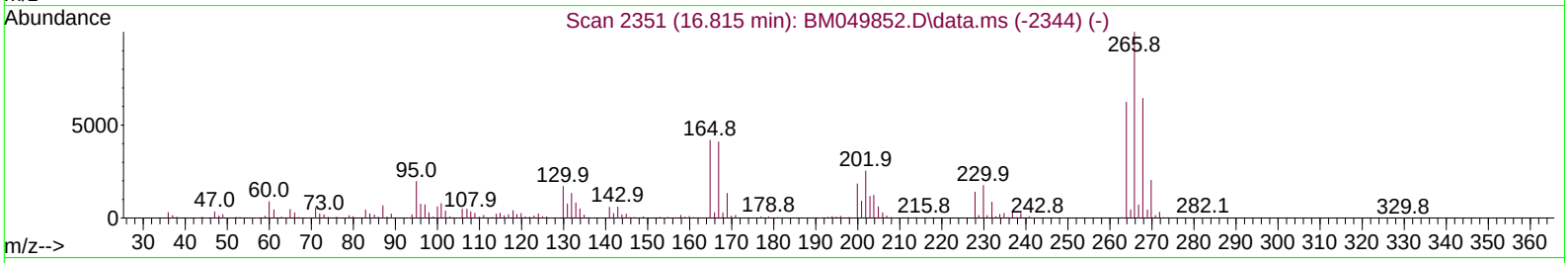
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 230006.58 ng m

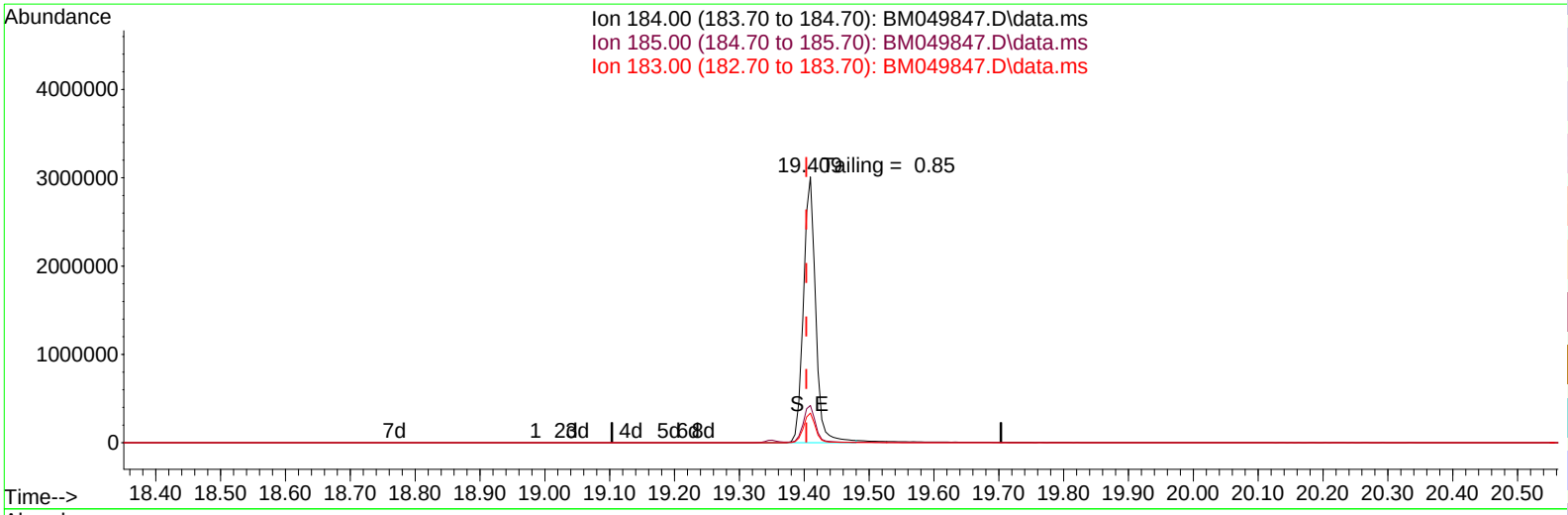
response 888392

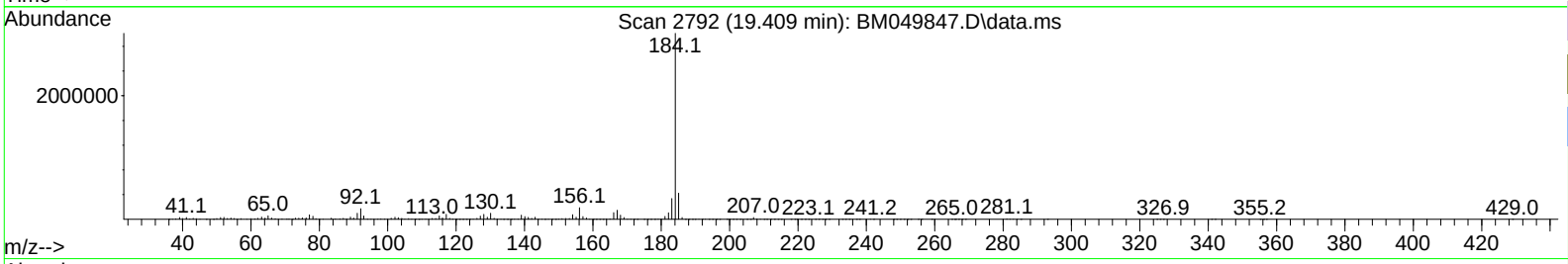
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	62.99
264.00	62.30	63.04
0.00	0.00	0.00

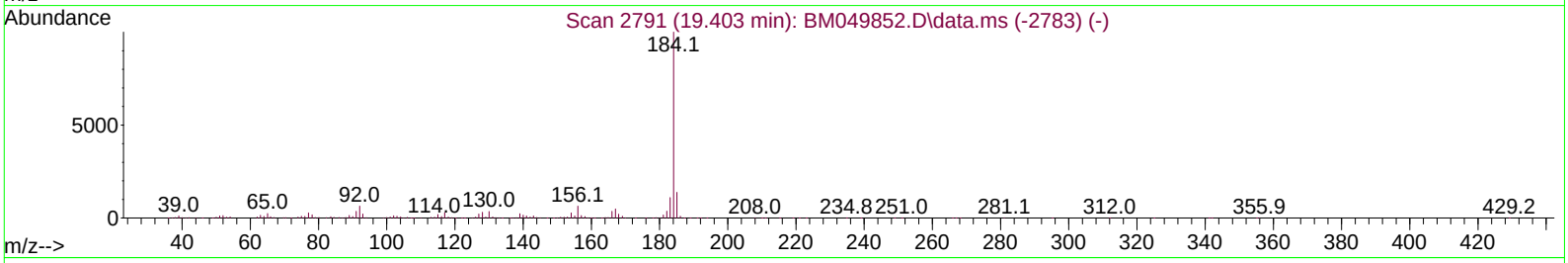
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 842986.98 ng m

response 4014847

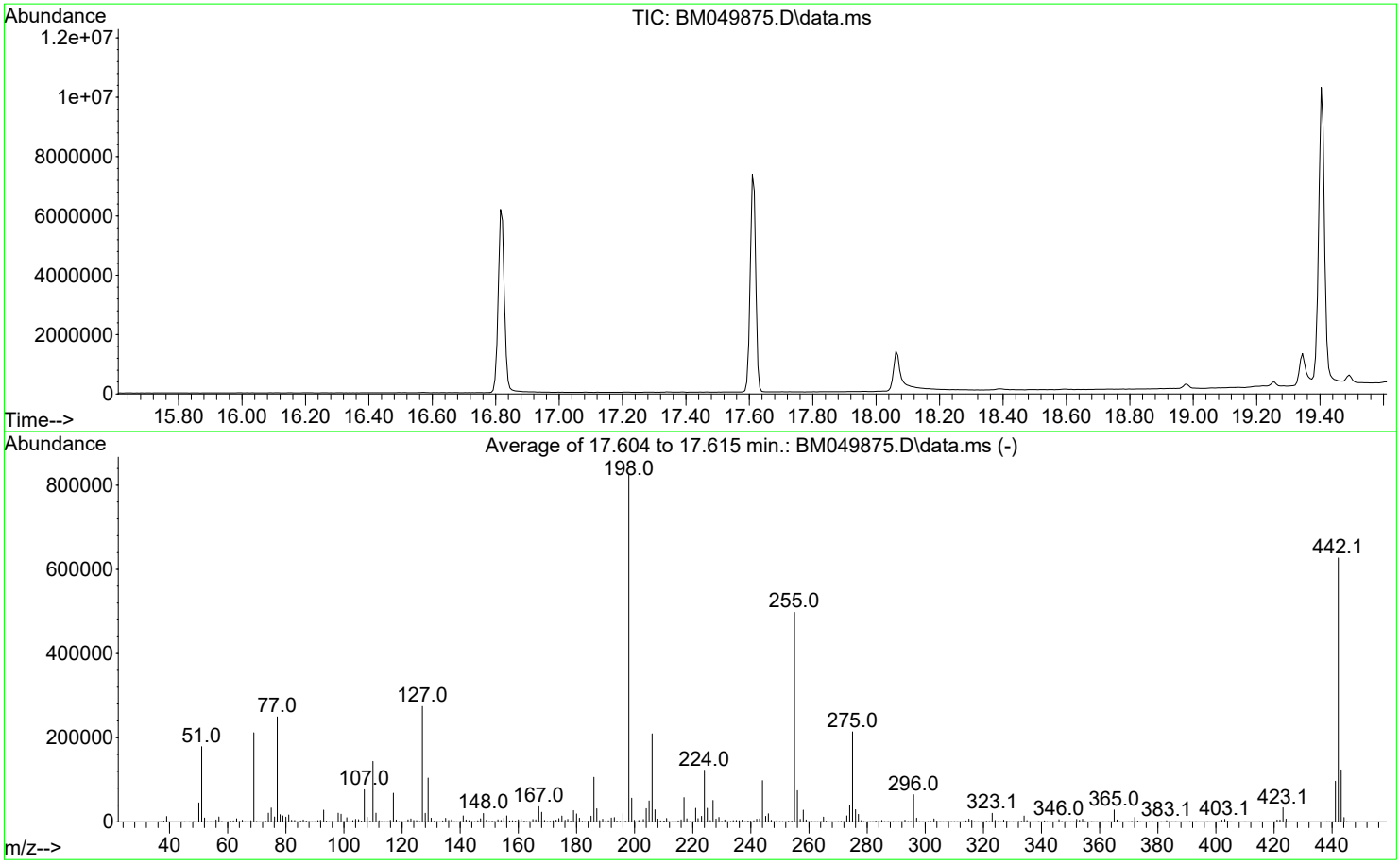
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.02
183.00	11.00	11.14
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.6	178667	PASS
68	69	0.00	2	1.4	2914	PASS
69	198	0.00	100	25.7	212021	PASS
70	69	0.00	2	0.5	1019	PASS
127	198	10	80	33.2	274475	PASS
197	198	0.00	2	0.2	1888	PASS
198	198	100	100	100.0	825515	PASS
199	198	5	9	6.8	56387	PASS
275	198	10	60	25.9	214123	PASS
365	198	1	100	3.4	28392	PASS
441	198	0.01	100	11.7	96741	PASS
442	442	50	100	100.0	627136	PASS
443	442	15	24	19.7	123464	PASS

Instrument :
BNA_M
ClientSampleId :
DFTPP

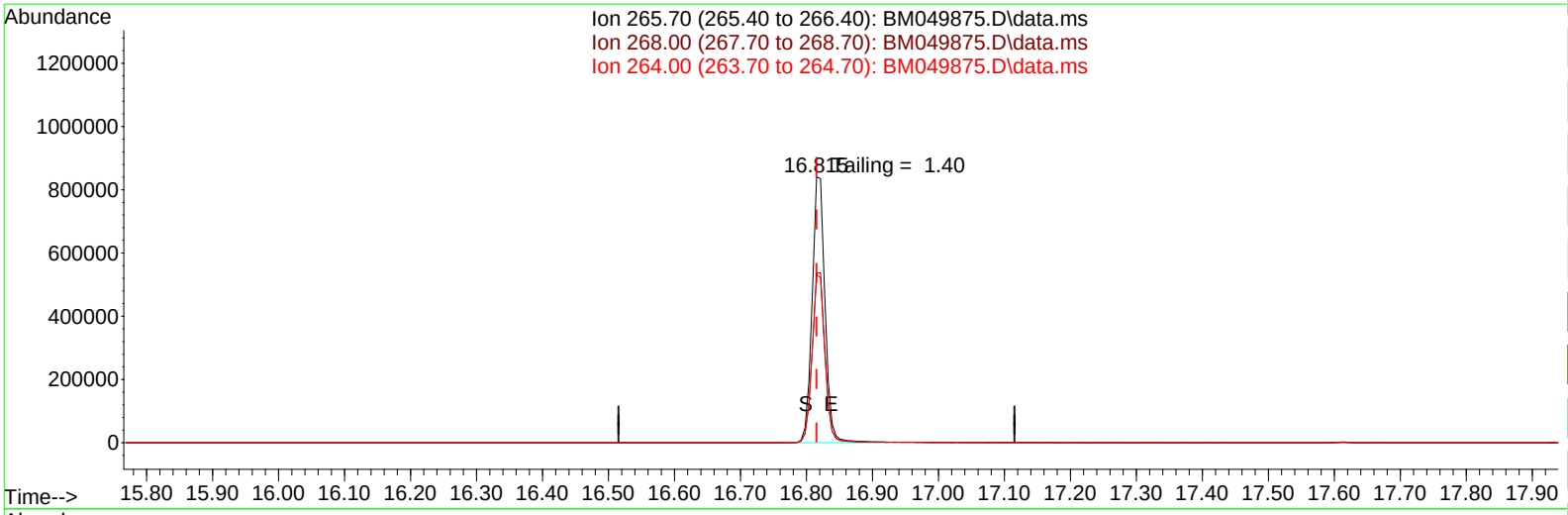
DDT Breakdown

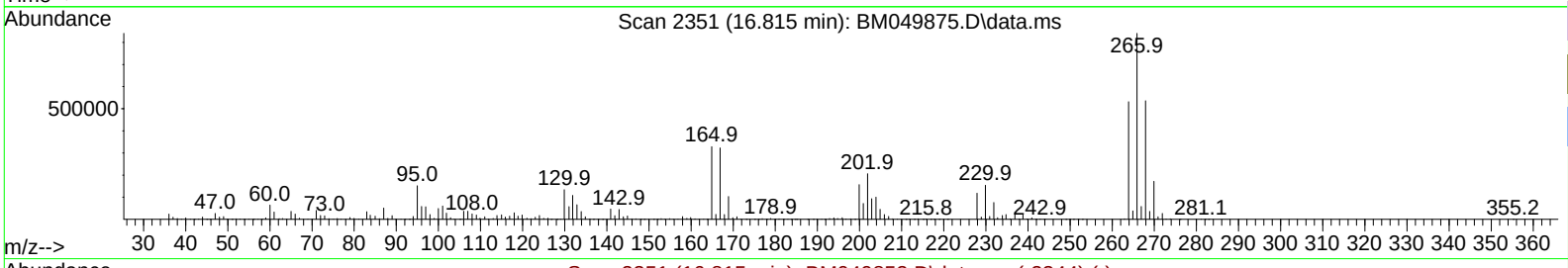
Date	Instrument Name	DFTPP Data File
4/10/2025	BNA_M	BM049875.D
Compound Name	**Response**	**Retention Time**
DDT	2746524	20.644
DDD	35768	20.256
DDE	2756	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
38524	2785048	1.38

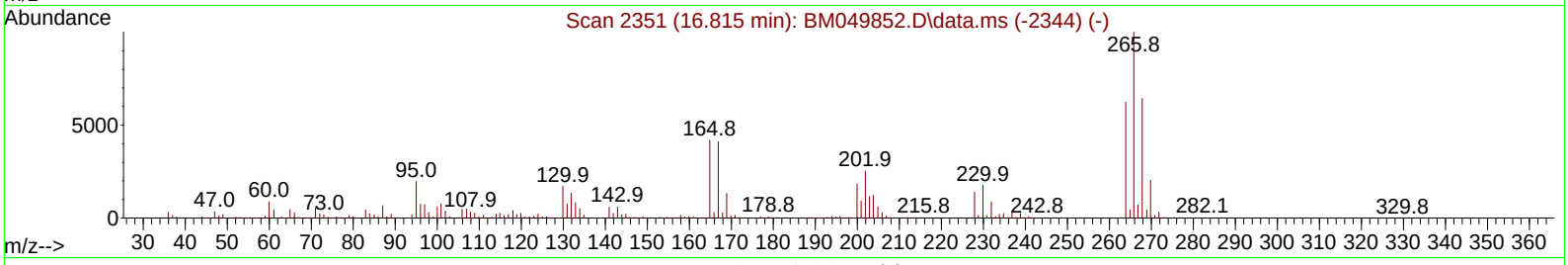
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 10 12:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049875.D\data.ms

(70) Pentachlorophenol (C)

16.815min (-0.000) 211954.15 ng

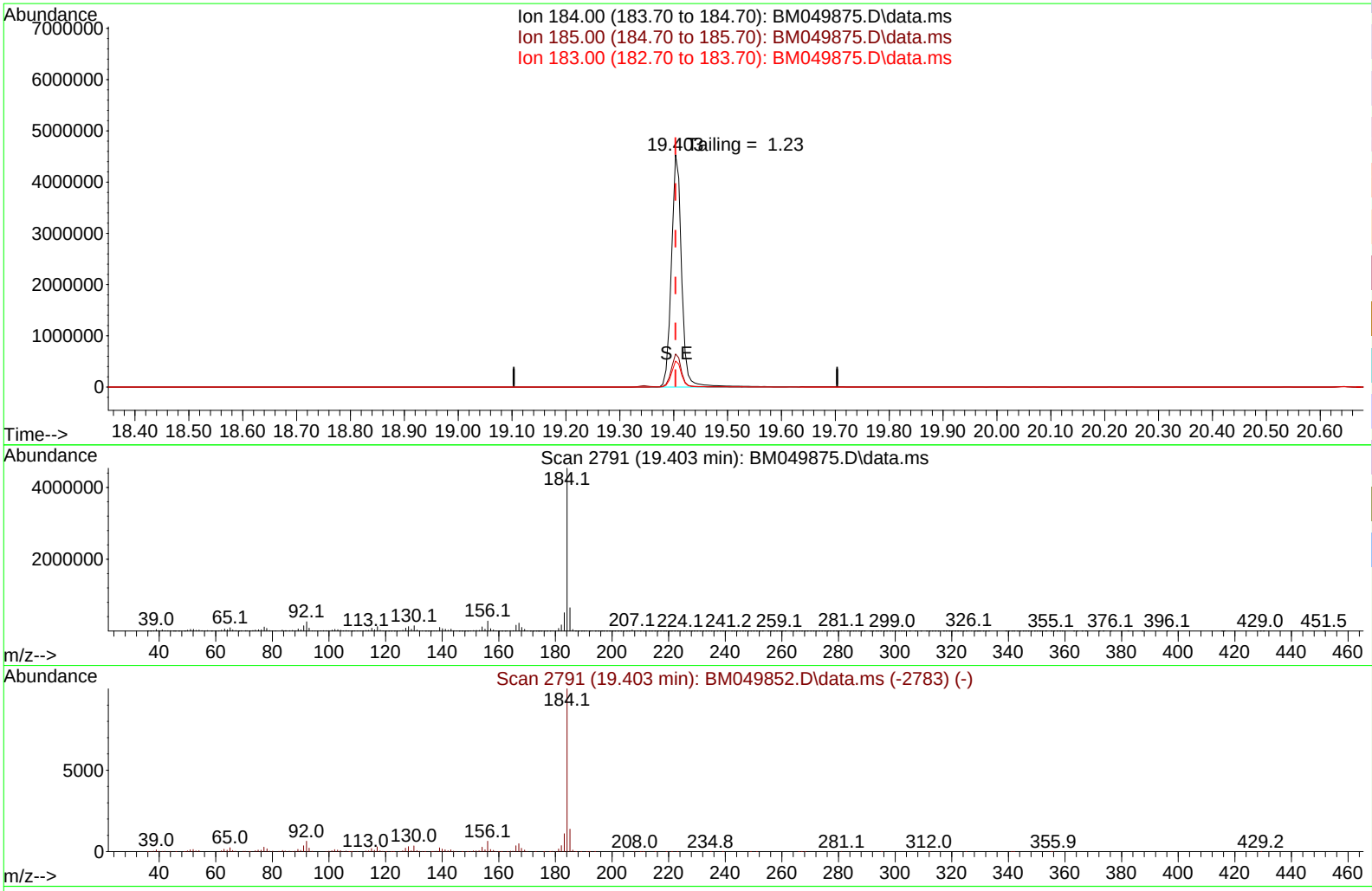
response 1151118

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	63.75
264.00	62.30	63.28
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
Data File : BM049875.D
Acq On : 10 Apr 2025 08:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 10 12:01:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



TIC: BM049875.D\data.ms

(77) Benzidine

19.403min (-0.000) 194071.13 ng

response 5998885

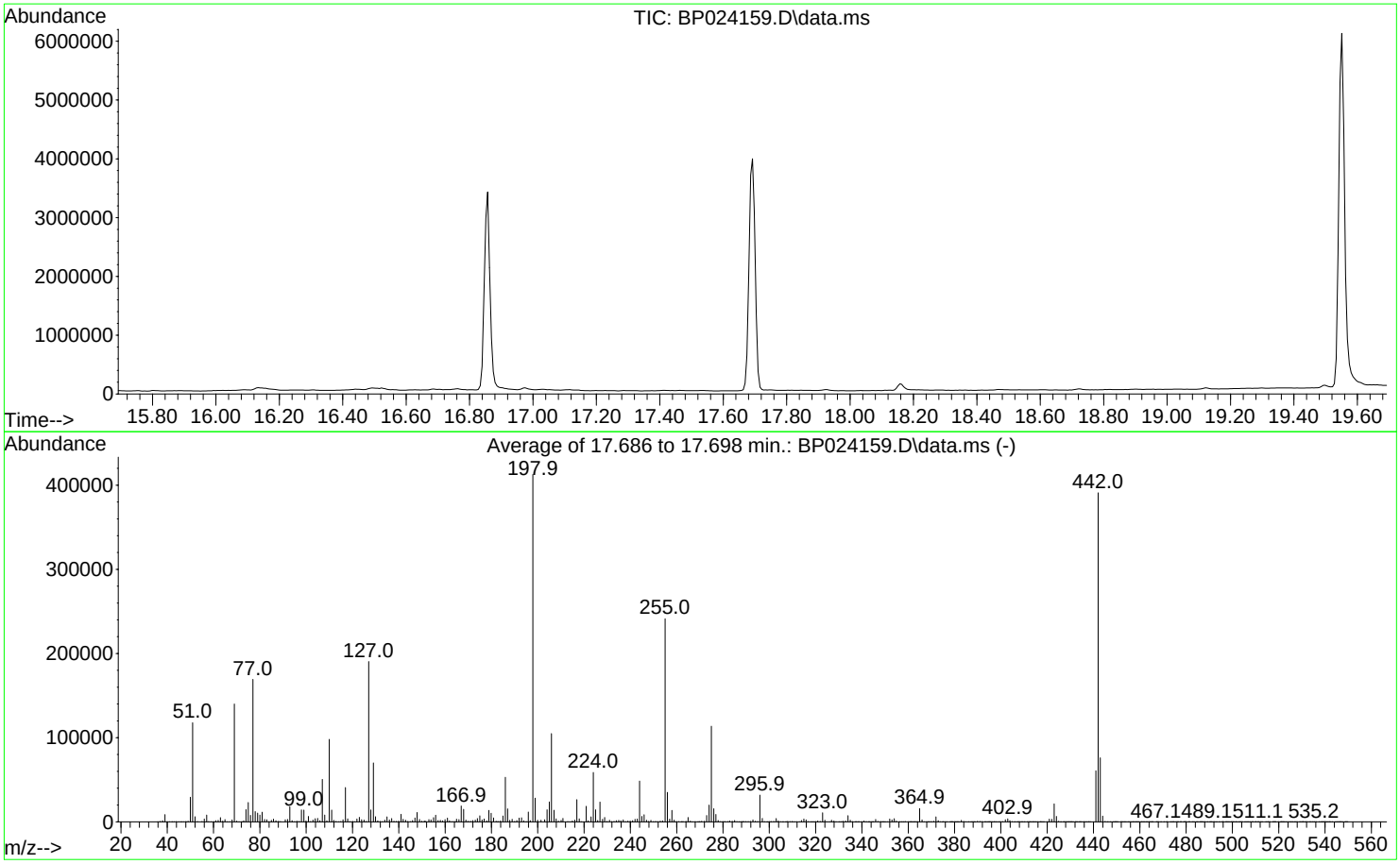
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.29
183.00	11.00	11.22
0.00	0.00	0.00

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

Instrument :
BNA_P
ClientSampleId :
DFTPP

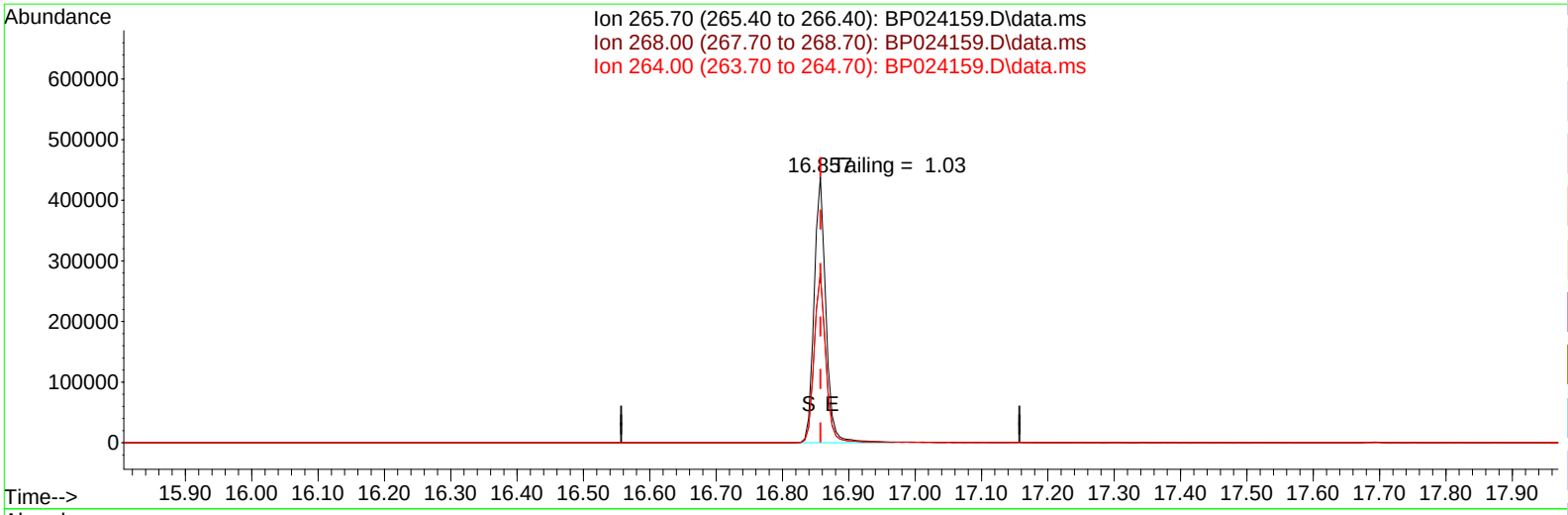
DDT Breakdown

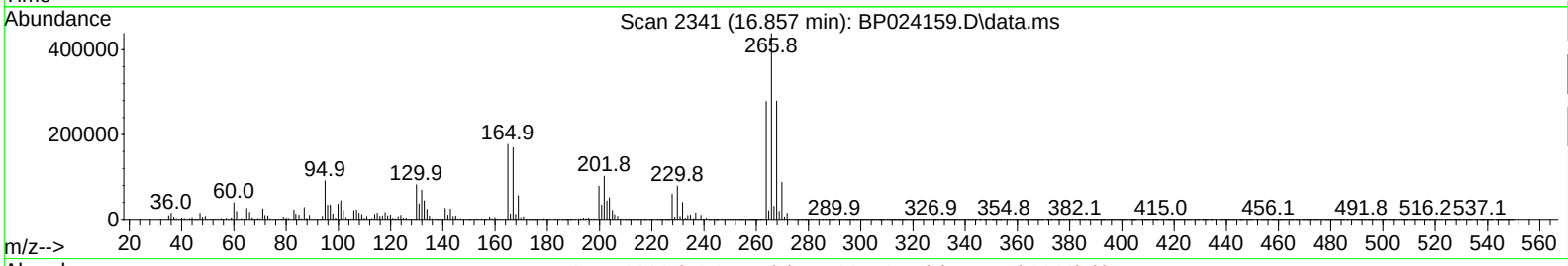
Date	Instrument Name	DFTPP Data File
3/12/2025	BNA_P	BP024159.D
Compound Name	**Response**	**Retention Time**
DDT	1535436	20.851
DDD	16722	20.439
DDE	443	19.827
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17165	1552601	1.11

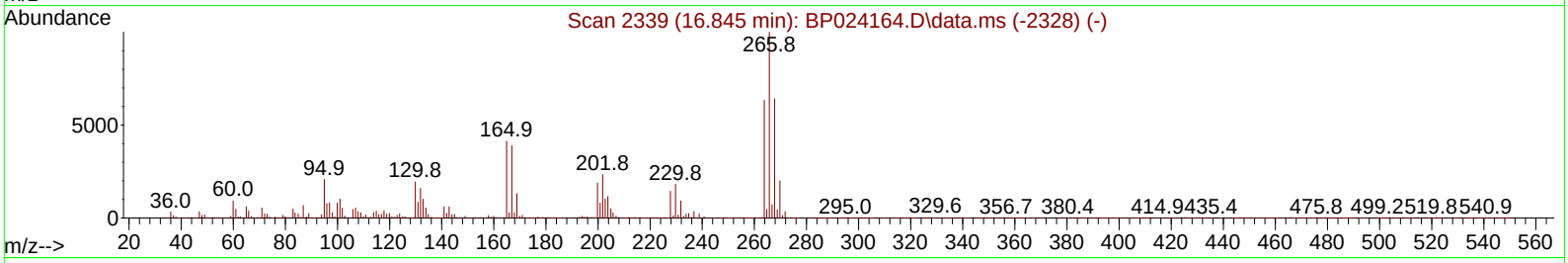
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

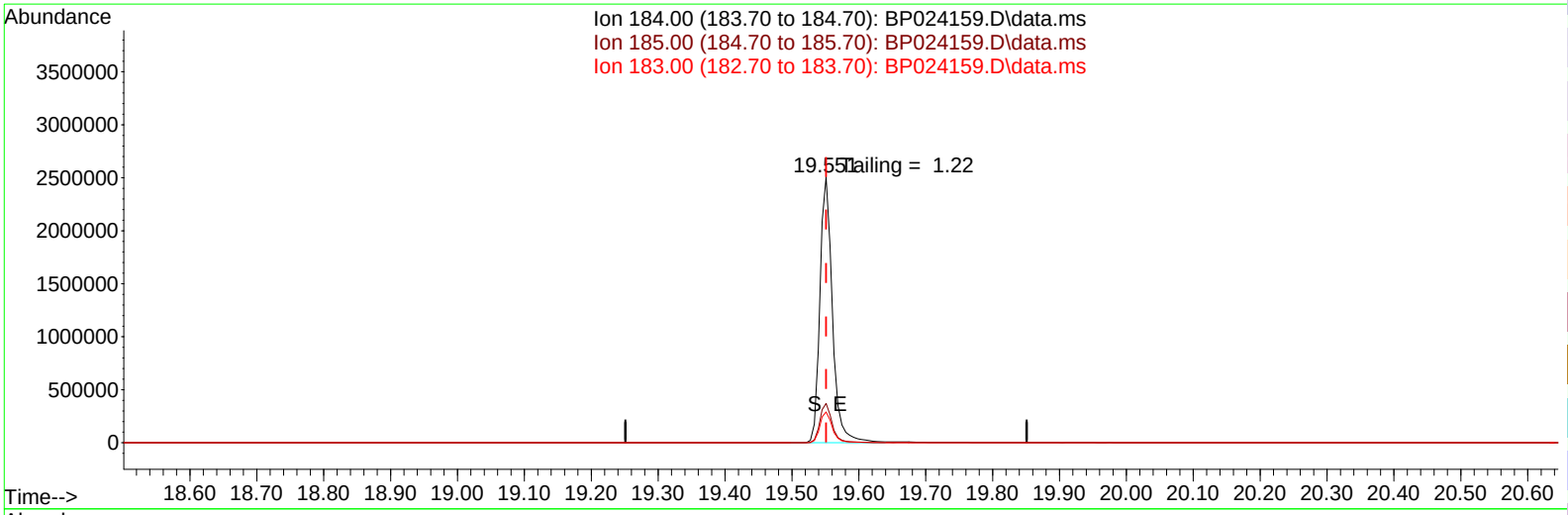
response 542052

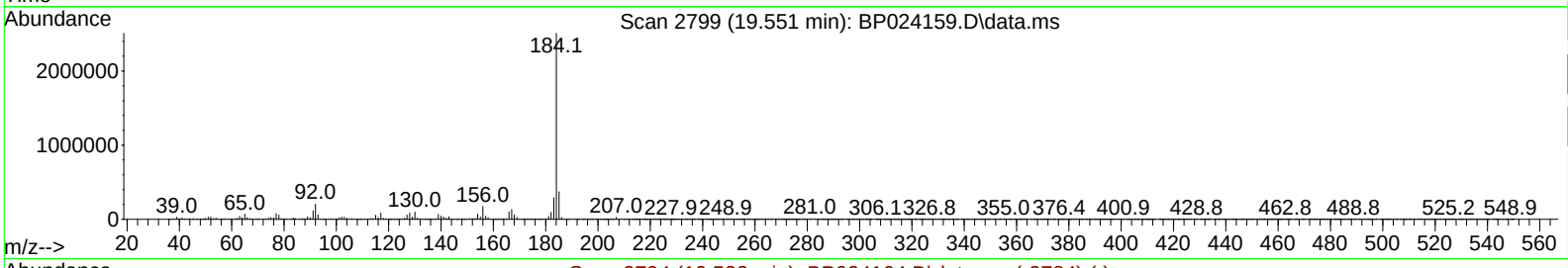
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.56
264.00	63.30	63.37
0.00	0.00	0.00

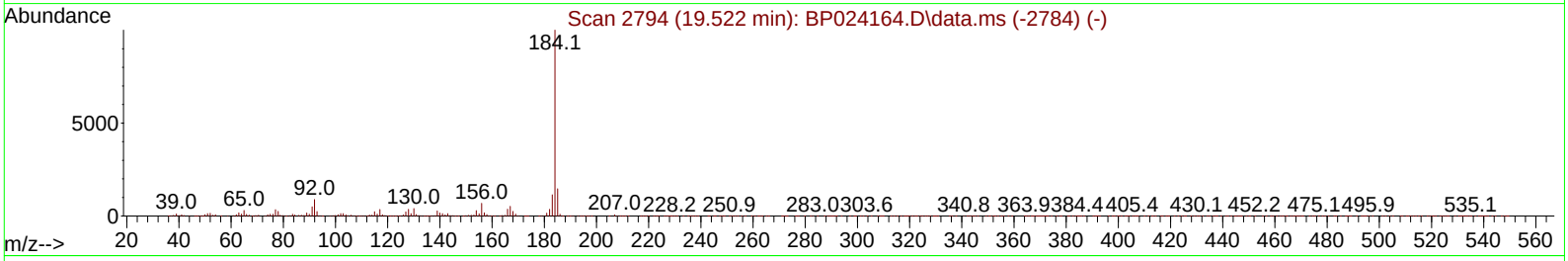
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

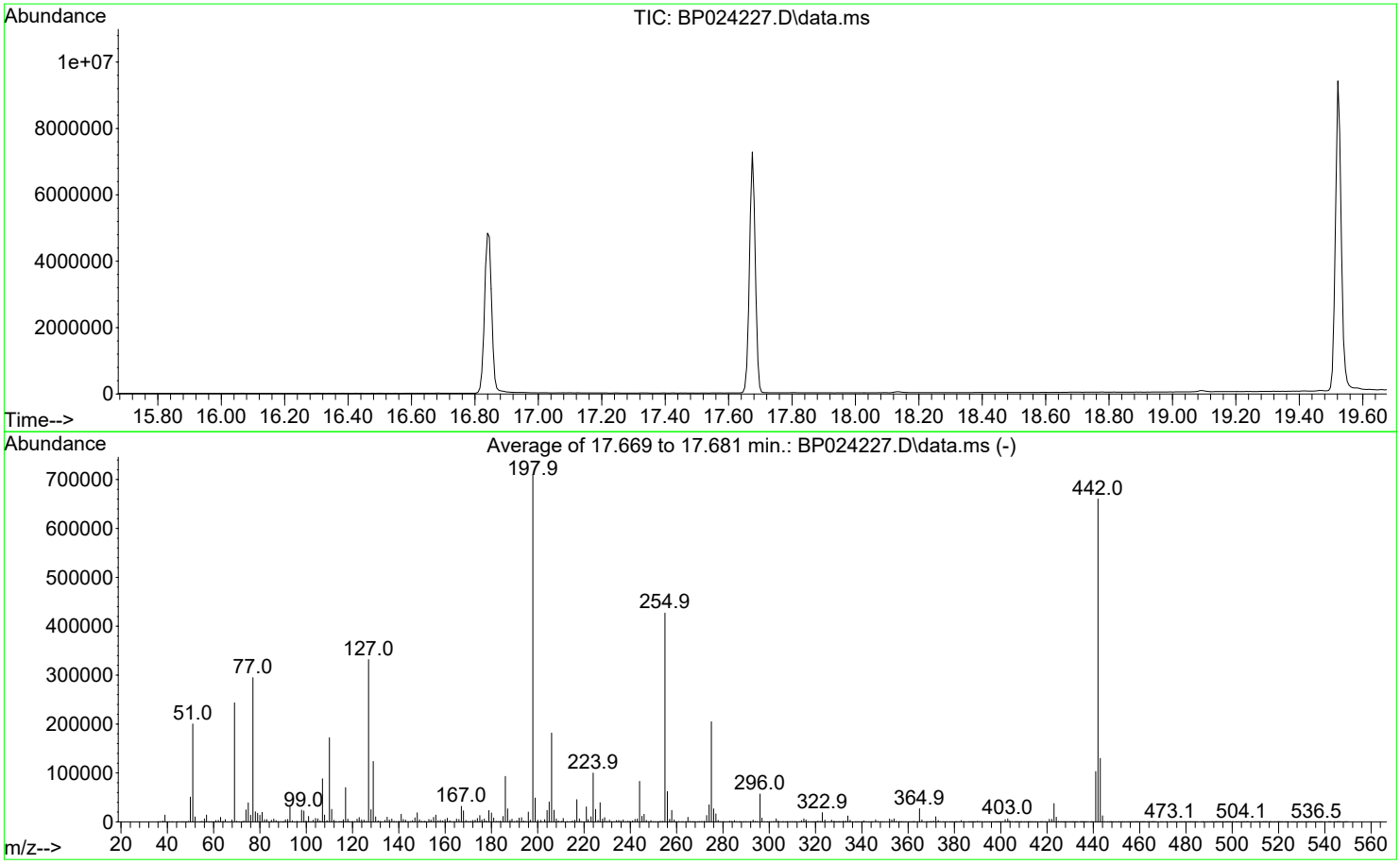
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.81
183.00	11.40	11.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
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 2479, 2480, 2481; Background Corrected with Scan 2470

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.2	200115	PASS
68	69	0.00	2	1.6	3921	PASS
69	198	0.00	100	34.3	243587	PASS
70	69	0.00	2	0.5	1251	PASS
127	198	10	80	46.7	331923	PASS
197	198	0.00	2	0.5	3371	PASS
198	198	100	100	100.0	710336	PASS
199	198	5	9	6.9	48868	PASS
275	198	10	60	28.9	204948	PASS
365	198	1	100	3.8	26873	PASS
441	198	0.01	100	14.5	102902	PASS
442	442	100	100	100.0	660181	PASS
443	442	15	24	19.7	129757	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

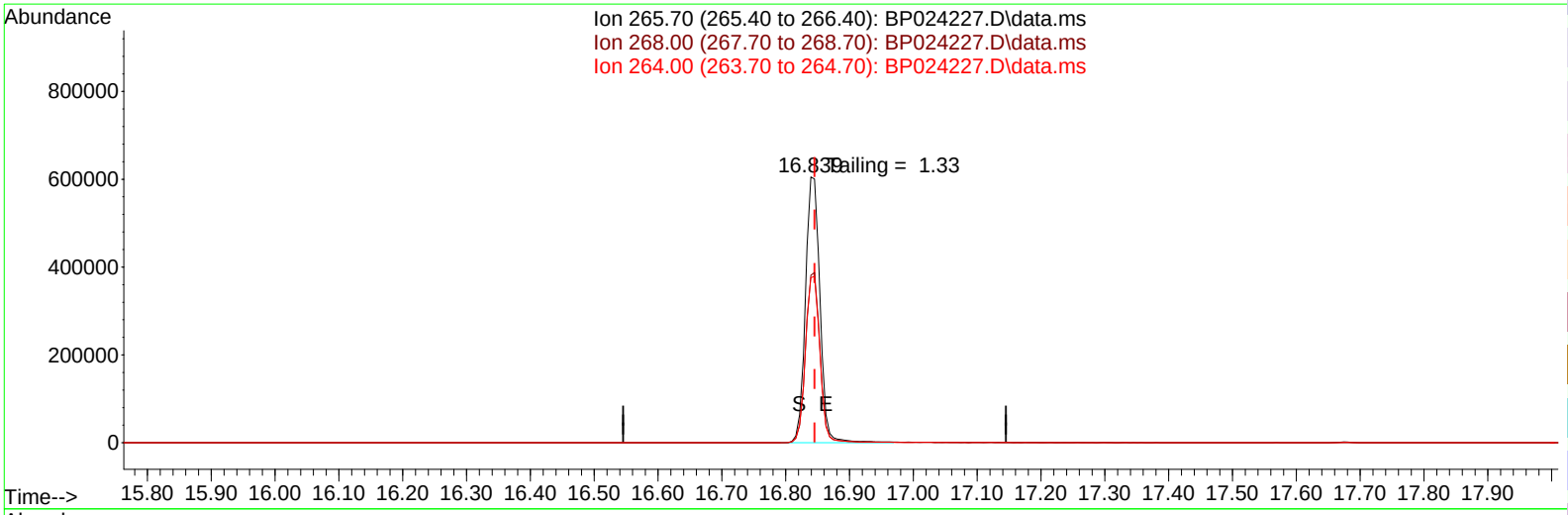
DDT Breakdown

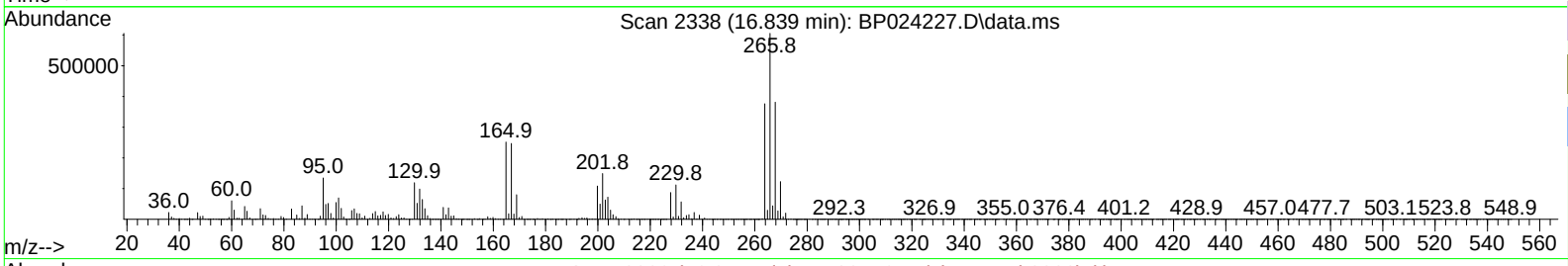
Date	Instrument Name	DFTPP Data File
4/9/2025	BNA_P	BP024227.D
Compound Name	**Response**	**Retention Time**
DDT	2570370	20.816
DDD	50806	20.363
DDE	1633	19.827
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
52439	2622809	2.00

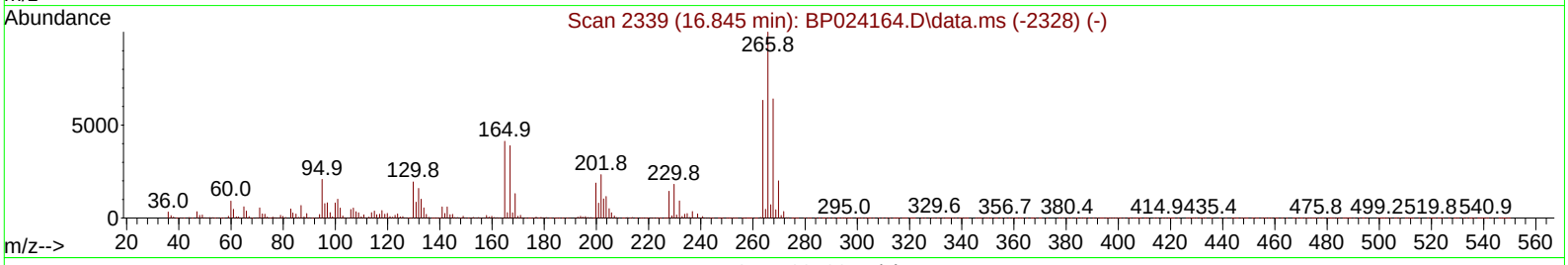
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 09 12:31:59 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: BP024227.D\data.ms

(70) Pentachlorophenol (C)

16.839min (-0.006) 65391.48 ng

response 964413

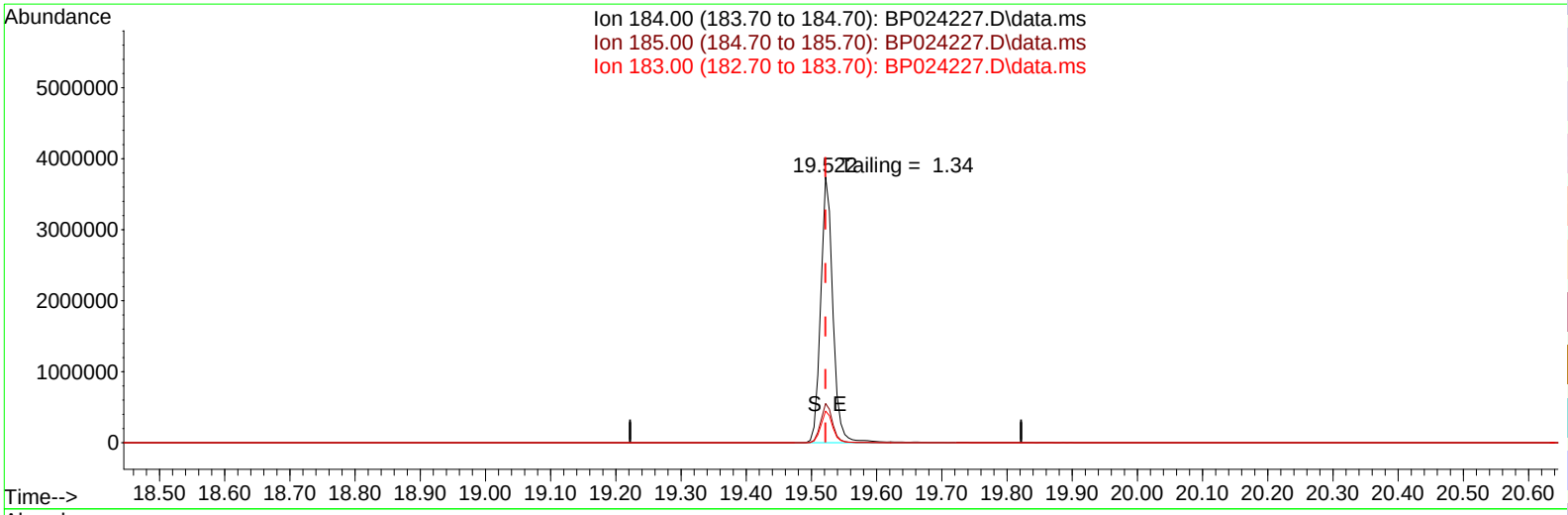
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.01
264.00	63.30	62.15
0.00	0.00	0.00

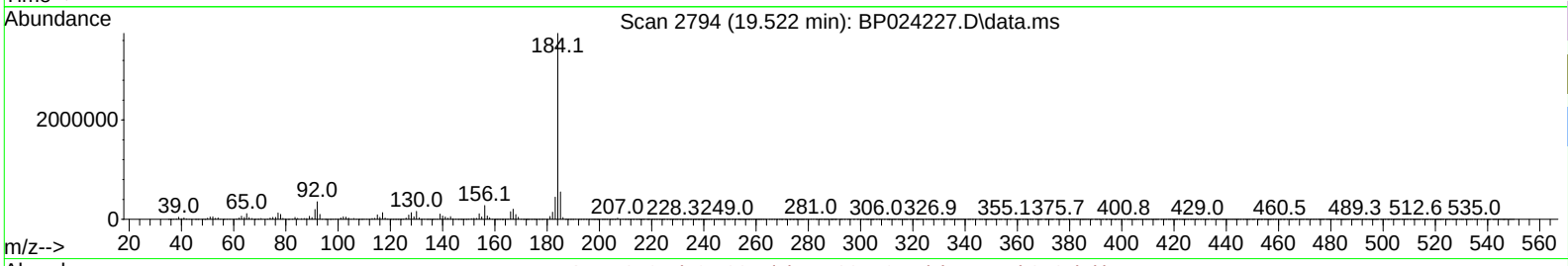
Sample Results: **BP024227.D**

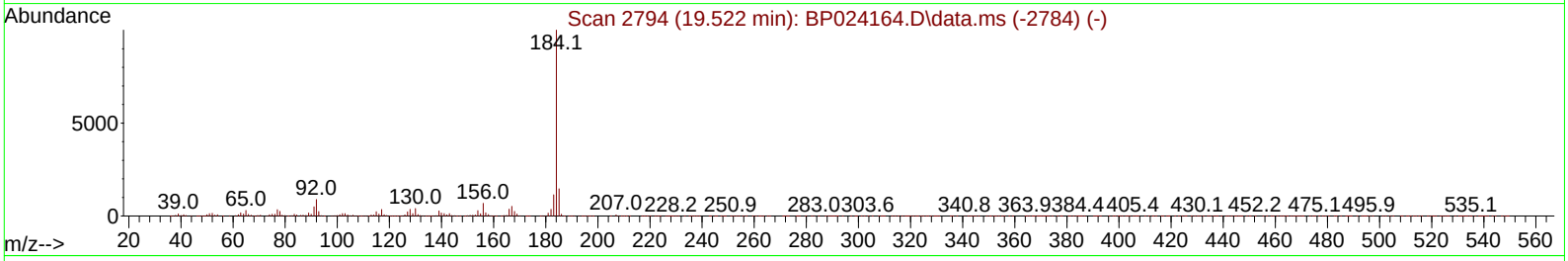
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 09 12:31:59 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: BP024227.D\data.ms

(77) Benzidine

19.522min (-0.000) 108823.90 ng m

response 4912759

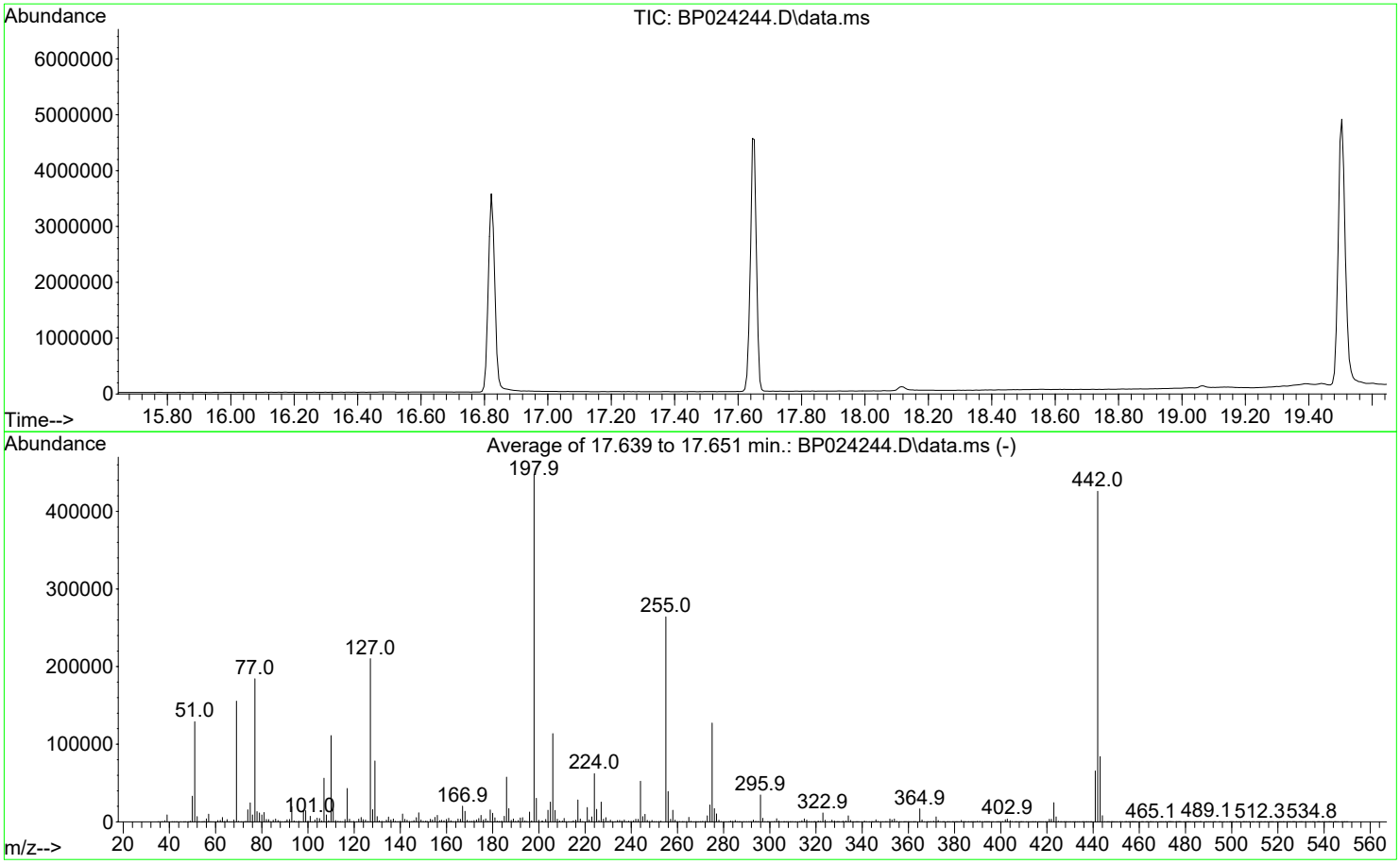
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.74
183.00	11.40	11.93
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024244.D
Acq On : 10 Apr 2025 09:05
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 2474, 2475, 2476; Background Corrected with Scan 2465

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.8	129060	PASS
68	69	0.00	2	1.7	2569	PASS
69	198	0.00	100	34.8	155535	PASS
70	69	0.00	2	0.5	814	PASS
127	198	10	80	47.0	210293	PASS
197	198	0.00	2	0.3	1397	PASS
198	198	100	100	100.0	447453	PASS
199	198	5	9	6.8	30328	PASS
275	198	10	60	28.5	127342	PASS
365	198	1	100	3.7	16767	PASS
441	198	0.01	100	14.6	65533	PASS
442	442	100	100	100.0	425856	PASS
443	442	15	24	19.7	84104	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

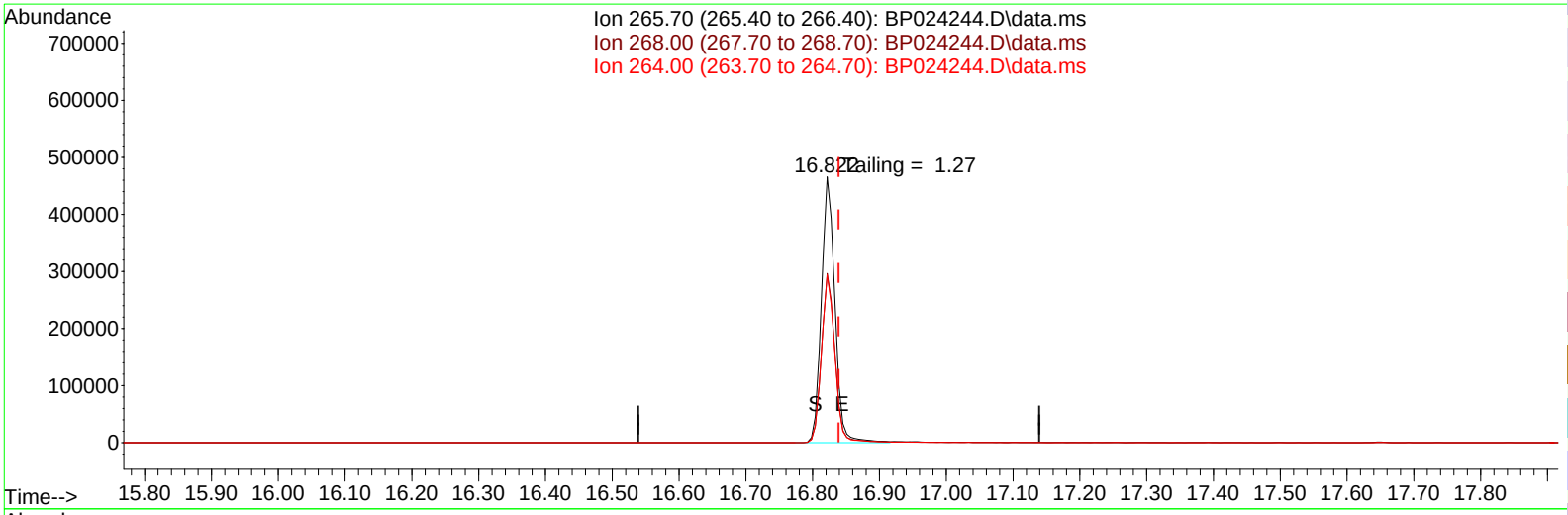
DDT Breakdown

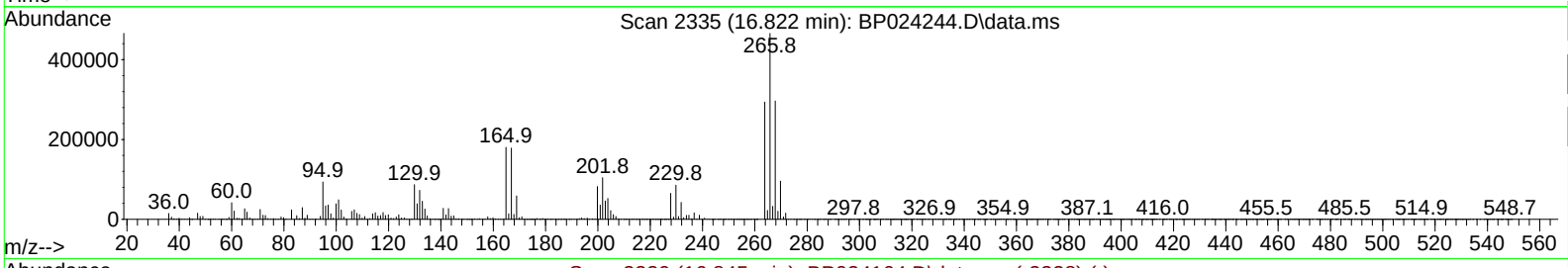
Date	Instrument Name	DFTPP Data File
4/10/2025	BNA_P	BP024244.D
Compound Name	**Response**	**Retention Time**
DDT	1572605	20.798
DDD	41488	20.333
DDE	2088	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
43576	1616181	2.70

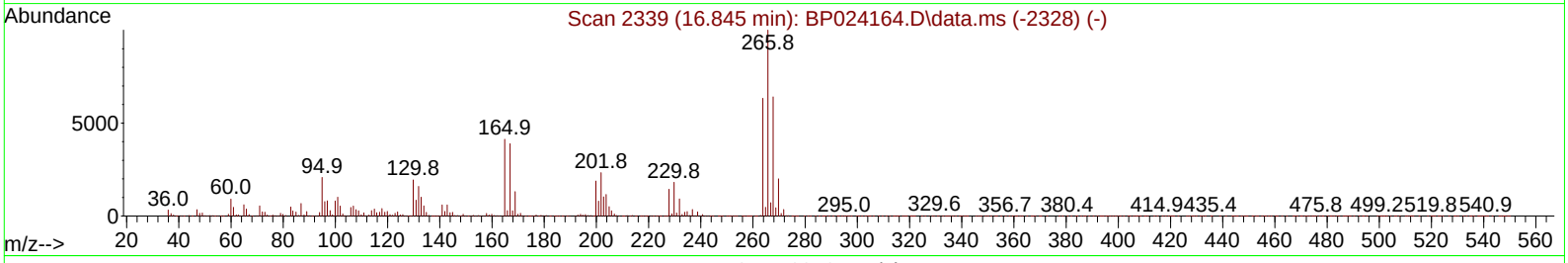
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024244.D
Acq On : 10 Apr 2025 09:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 10 14:43:14 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







TIC: BP024244.D\data.ms

(70) Pentachlorophenol (C)

16.822min (-0.018) 2689216.60 ng

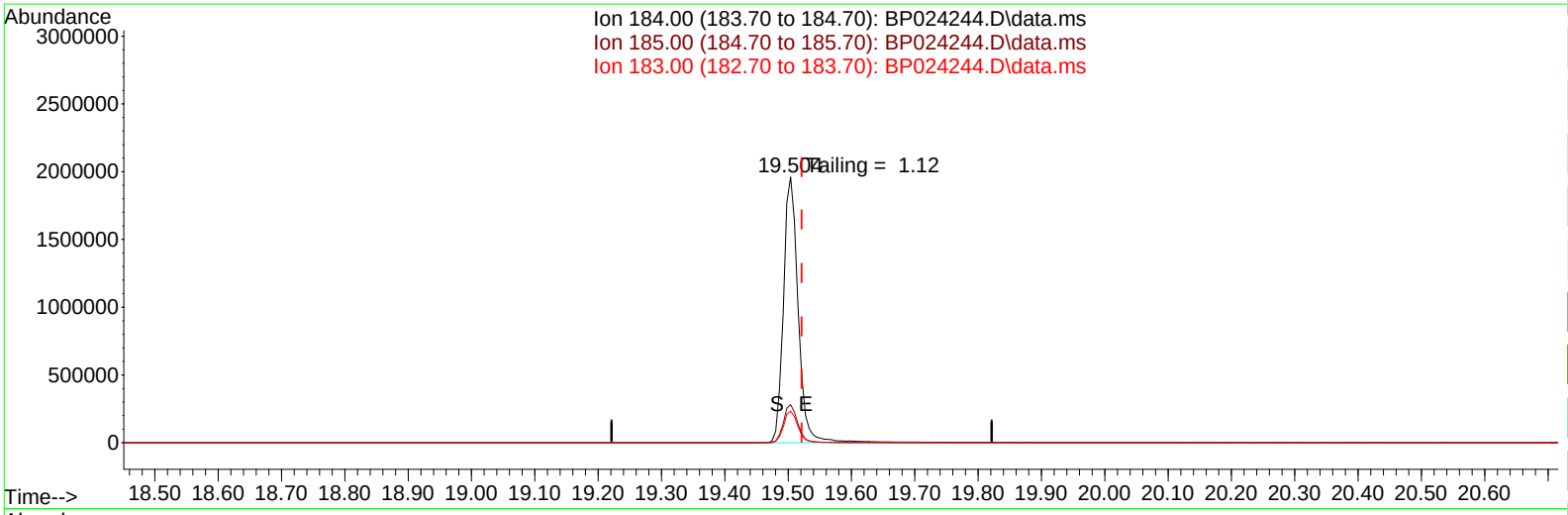
response 655373

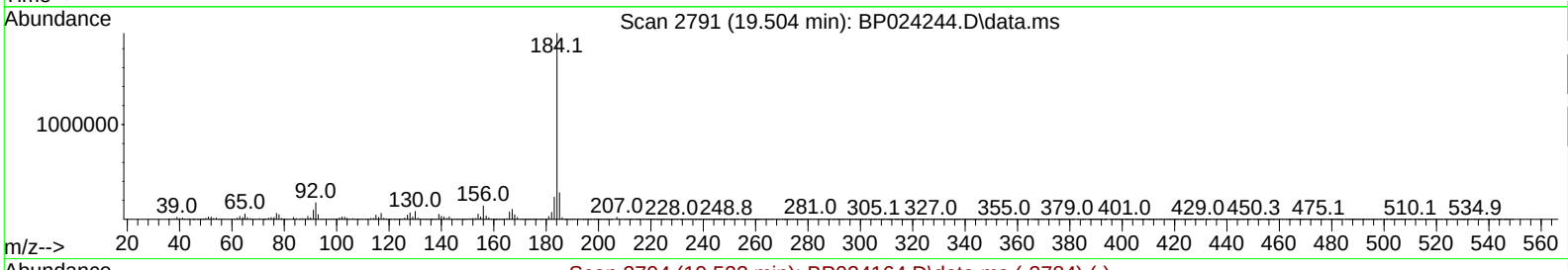
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.70
264.00	63.30	63.06
0.00	0.00	0.00

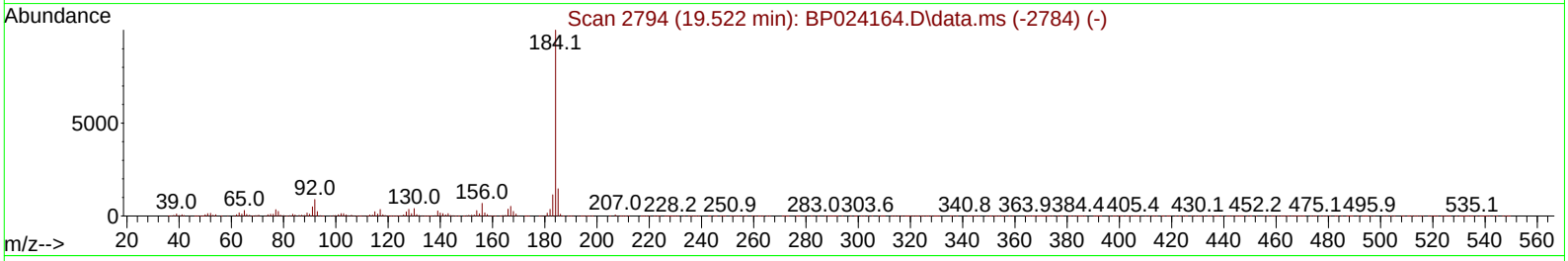
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024244.D
Acq On : 10 Apr 2025 09:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 10 14:43:14 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







TIC: BP024244.D\data.ms

(77) Benzidine

19.504min (-0.018) 3933451.82 ng

response 3182452

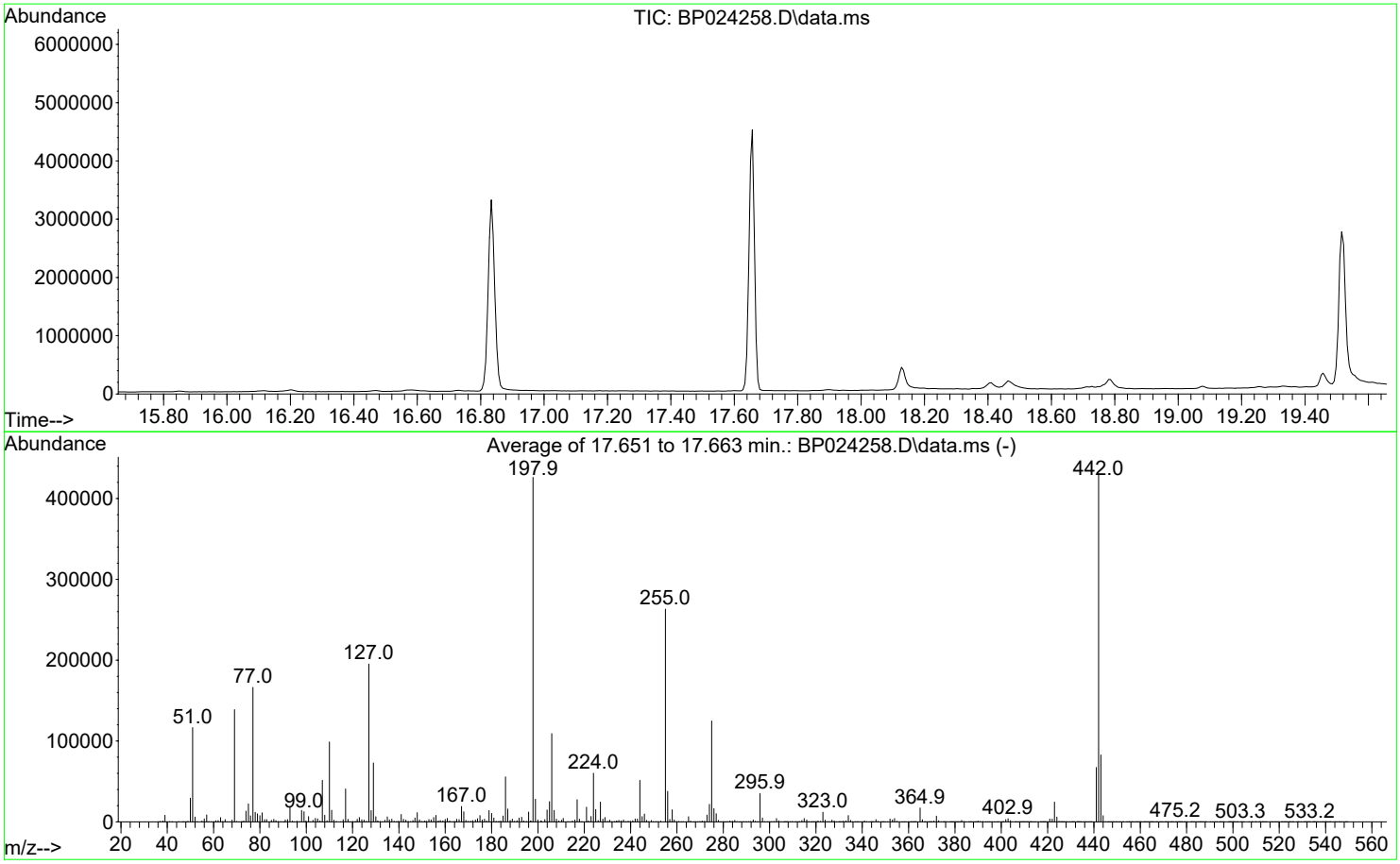
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.33
183.00	11.40	11.89
0.00	0.00	0.00

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

Instrument :
BNA_P
ClientSampleId :
DFTPP

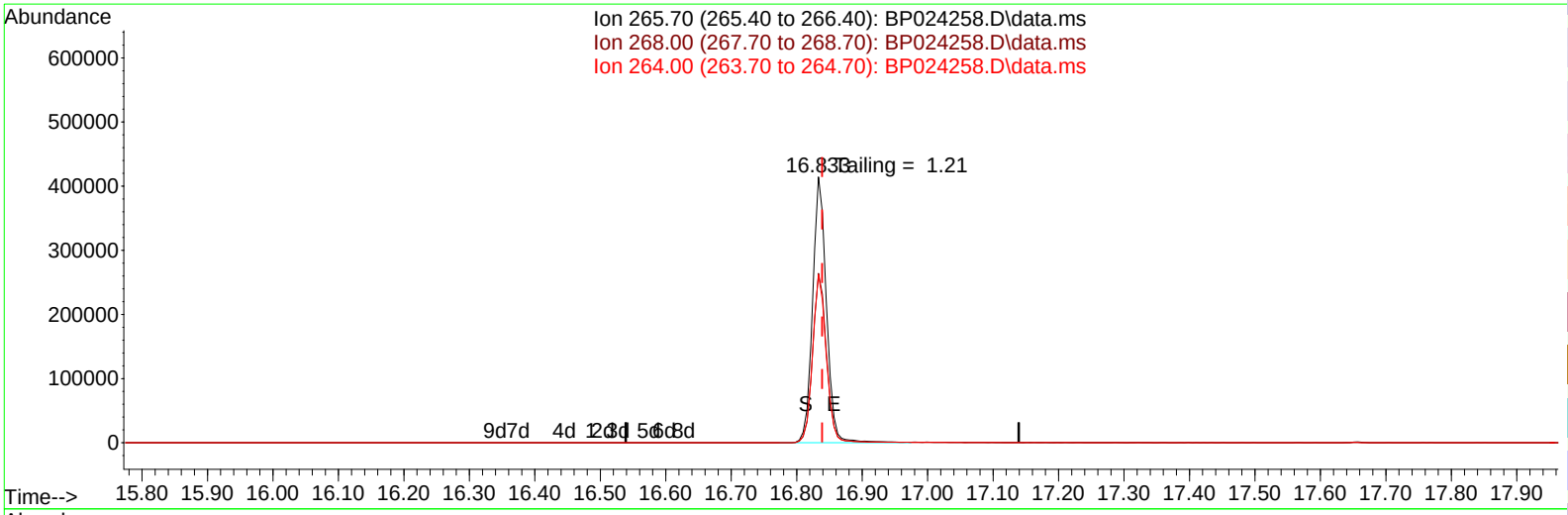
DDT Breakdown

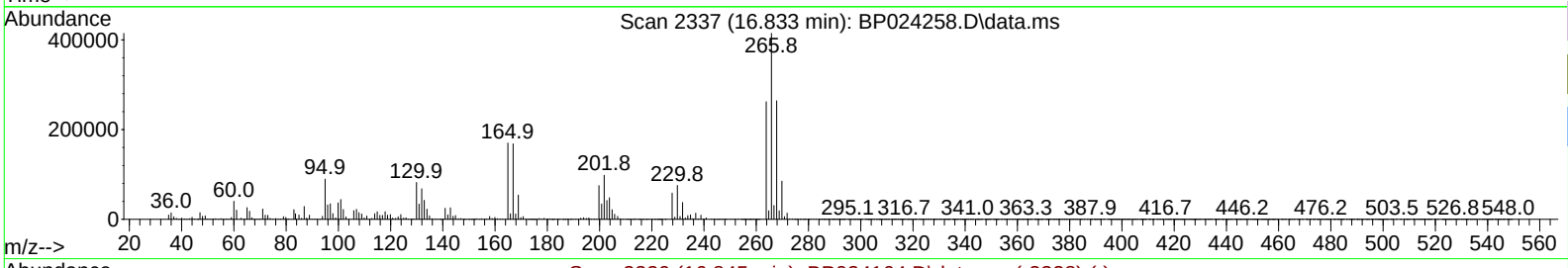
Date	Instrument Name	DFTPP Data File
4/11/2025	BNA_P	BP024258.D
Compound Name	**Response**	**Retention Time**
DDT	1500117	20.81
DDD	28536	20.351
DDE	1243	19.816
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
29779	1529896	1.95

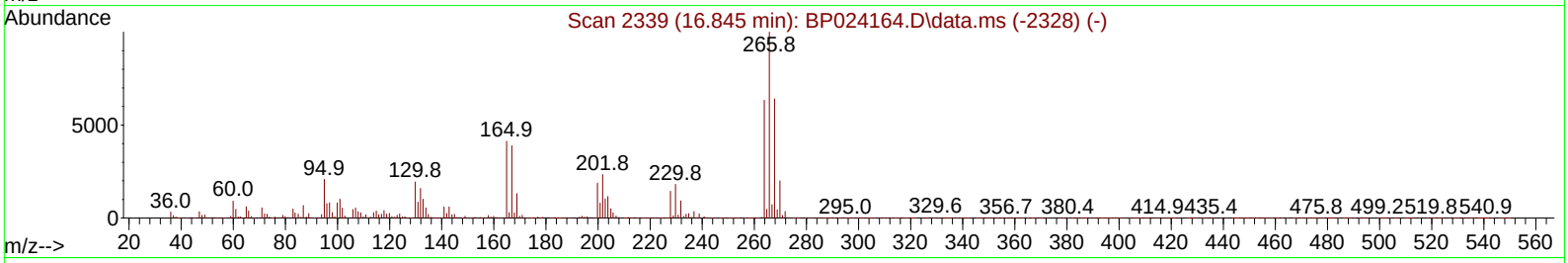
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024258.D
Acq On : 11 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

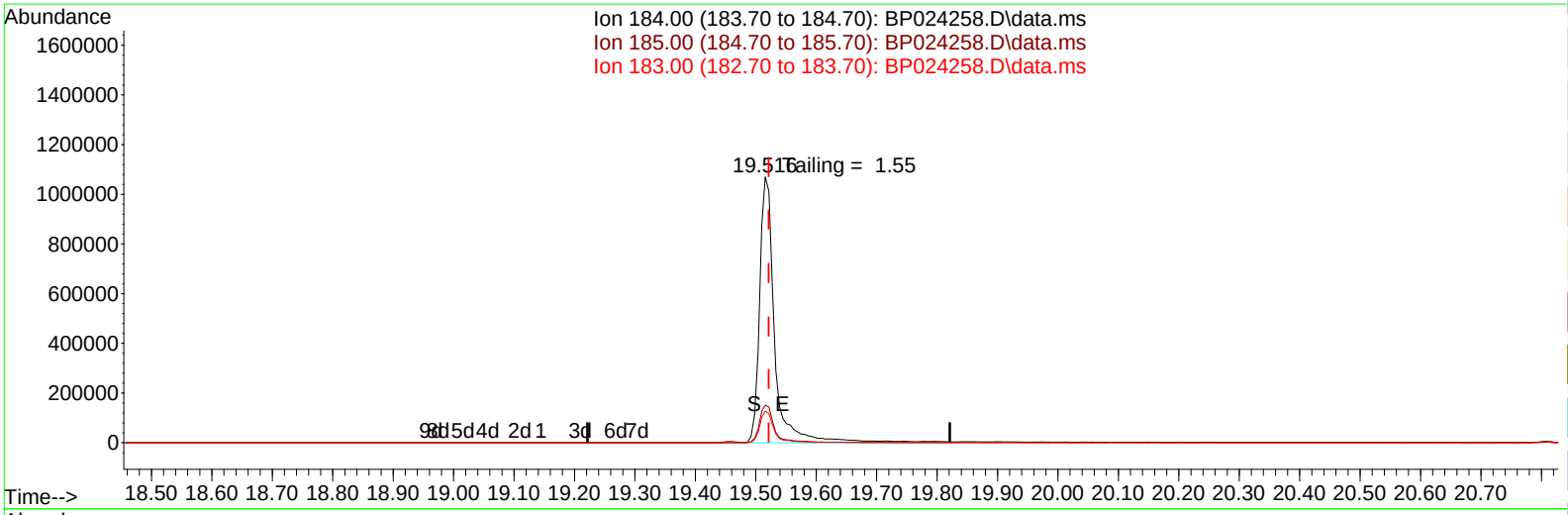
response 608041

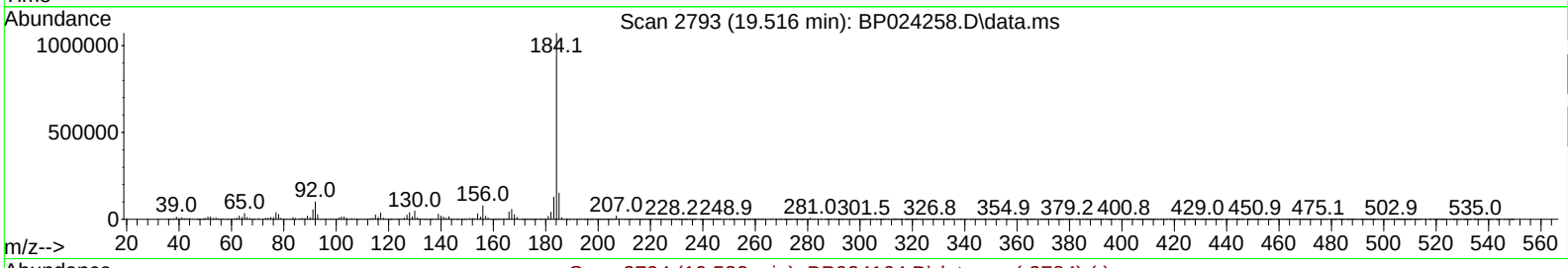
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.74
264.00	63.30	63.20
0.00	0.00	0.00

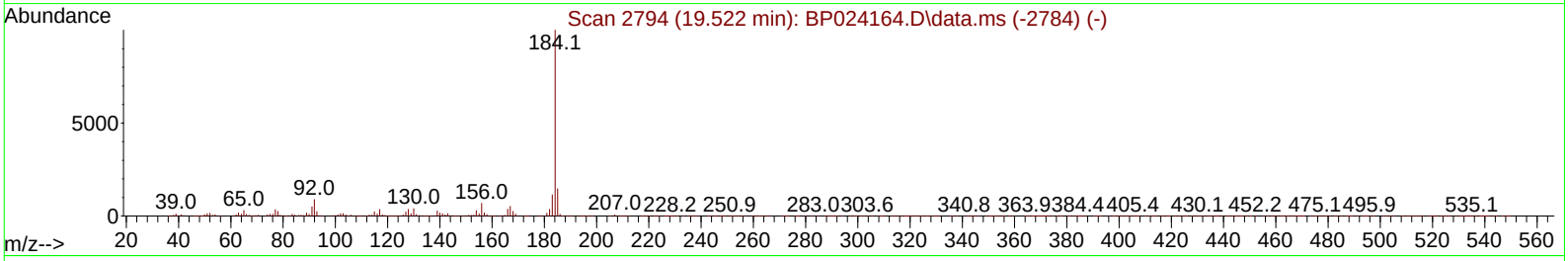
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024258.D
Acq On : 11 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

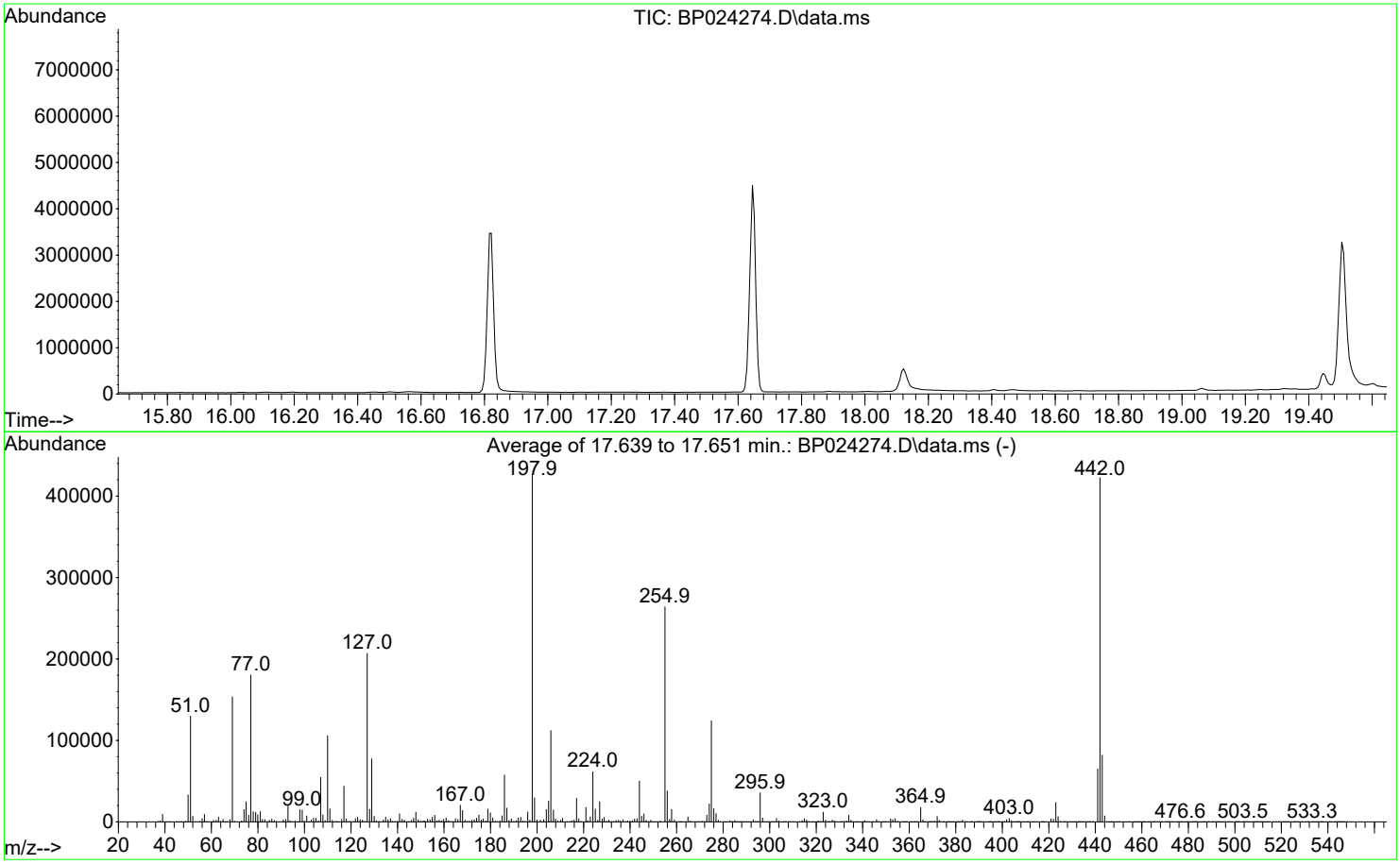
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.14
183.00	11.40	11.94
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

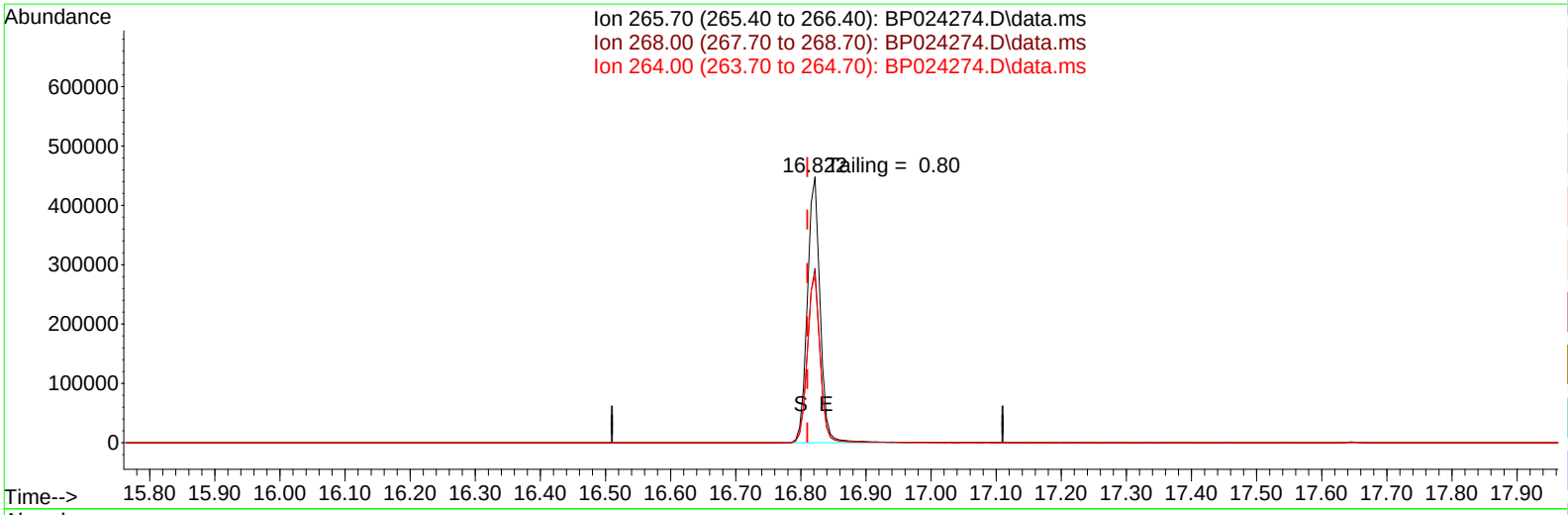
DDT Breakdown

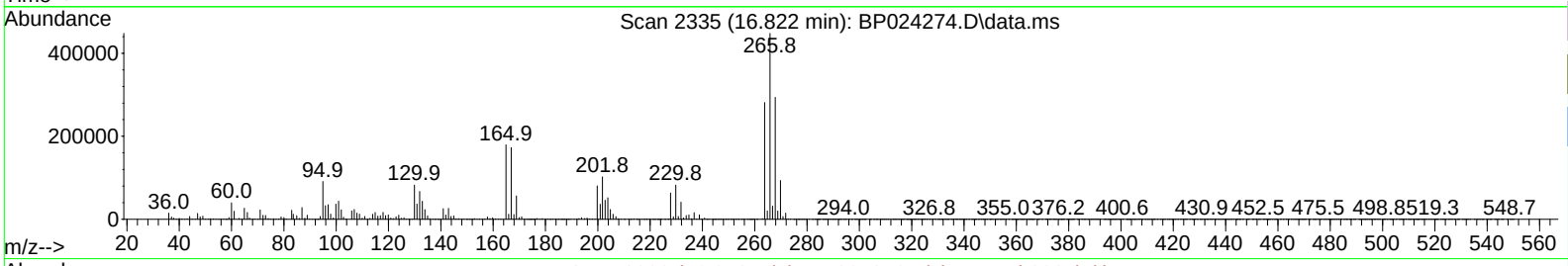
Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	BP024274.D
Compound Name	**Response**	**Retention Time**
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27574	1742725	1.58

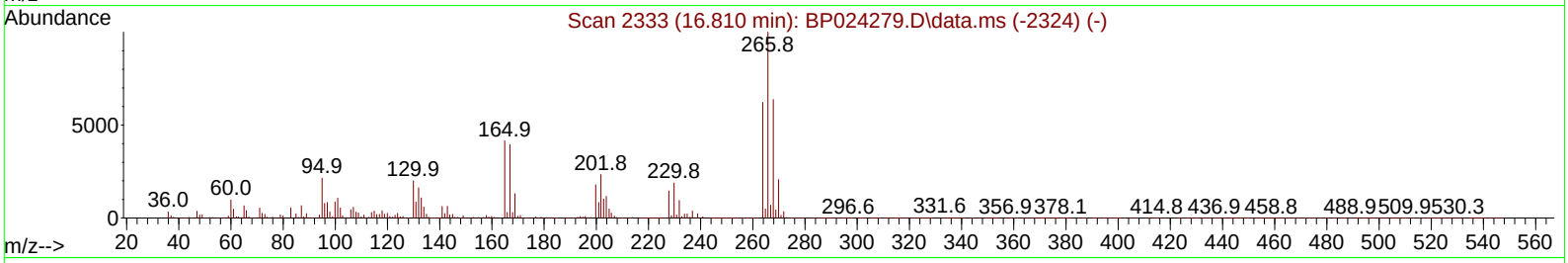
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

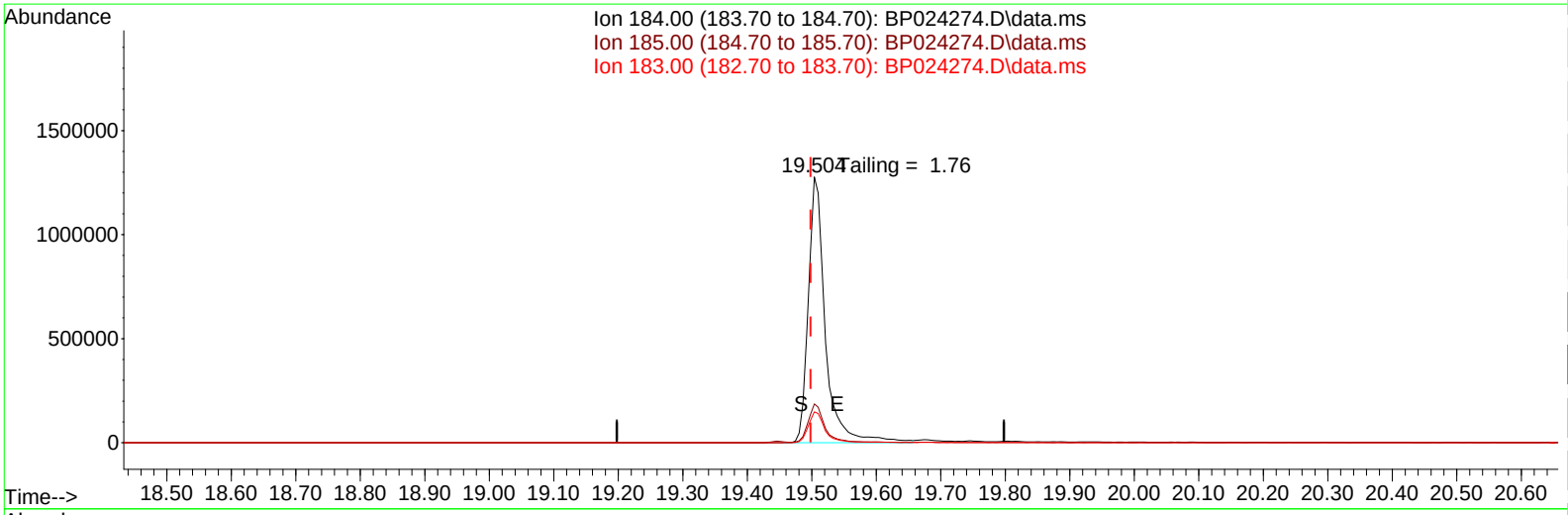
response 611847

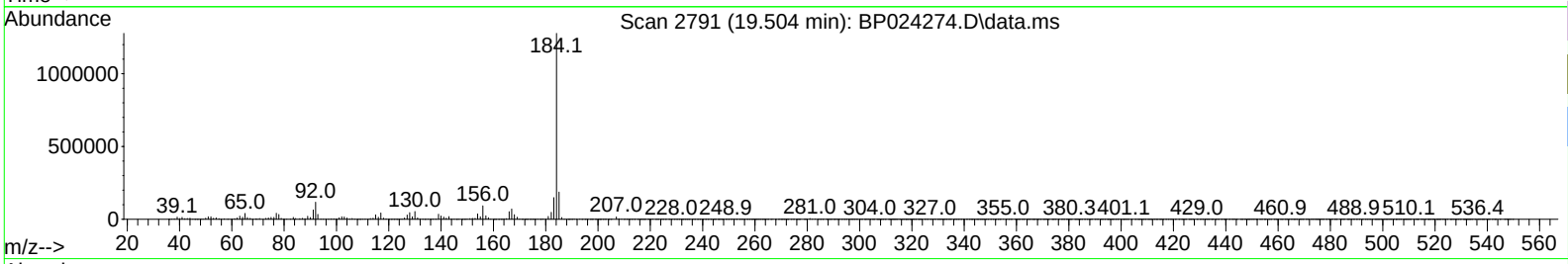
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

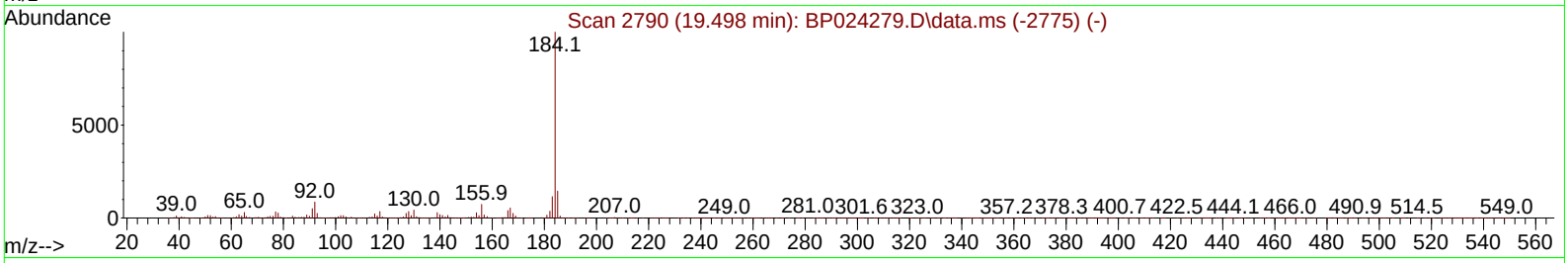
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167518BL	SDG No.:	Q1739
Lab Sample ID:	PB167518BL	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
BP024246.D	1	04/08/25 08:25	04/10/25 10:27	PB167518

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	152		10 - 139	101%	SPK: 150
13127-88-3	Phenol-d6	142		10 - 134	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.6		49 - 133	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		52 - 132	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	100.0		48 - 125	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	280000	7.752			
1146-65-2	Naphthalene-d8	1130000	10.528			
15067-26-2	Acenaphthene-d10	675000	14.387			
1517-22-2	Phenanthrene-d10	1290000	17.181			
1719-03-5	Chrysene-d12	1330000	21.621			
1520-96-3	Perylene-d12	1500000	24.986			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site			Date Received:	
Client Sample ID:	PB167518BL			SDG No.:	Q1739
Lab Sample ID:	PB167518BL			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
BP024246.D	1	04/08/25 08:25	04/10/25 10:27	PB167518

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\BP041025\
Data File : BP024246.D
Acq On : 10 Apr 2025 10:27
Operator : RC/JU
Sample : PB167518BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Quant Time: Apr 10 11:46:57 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

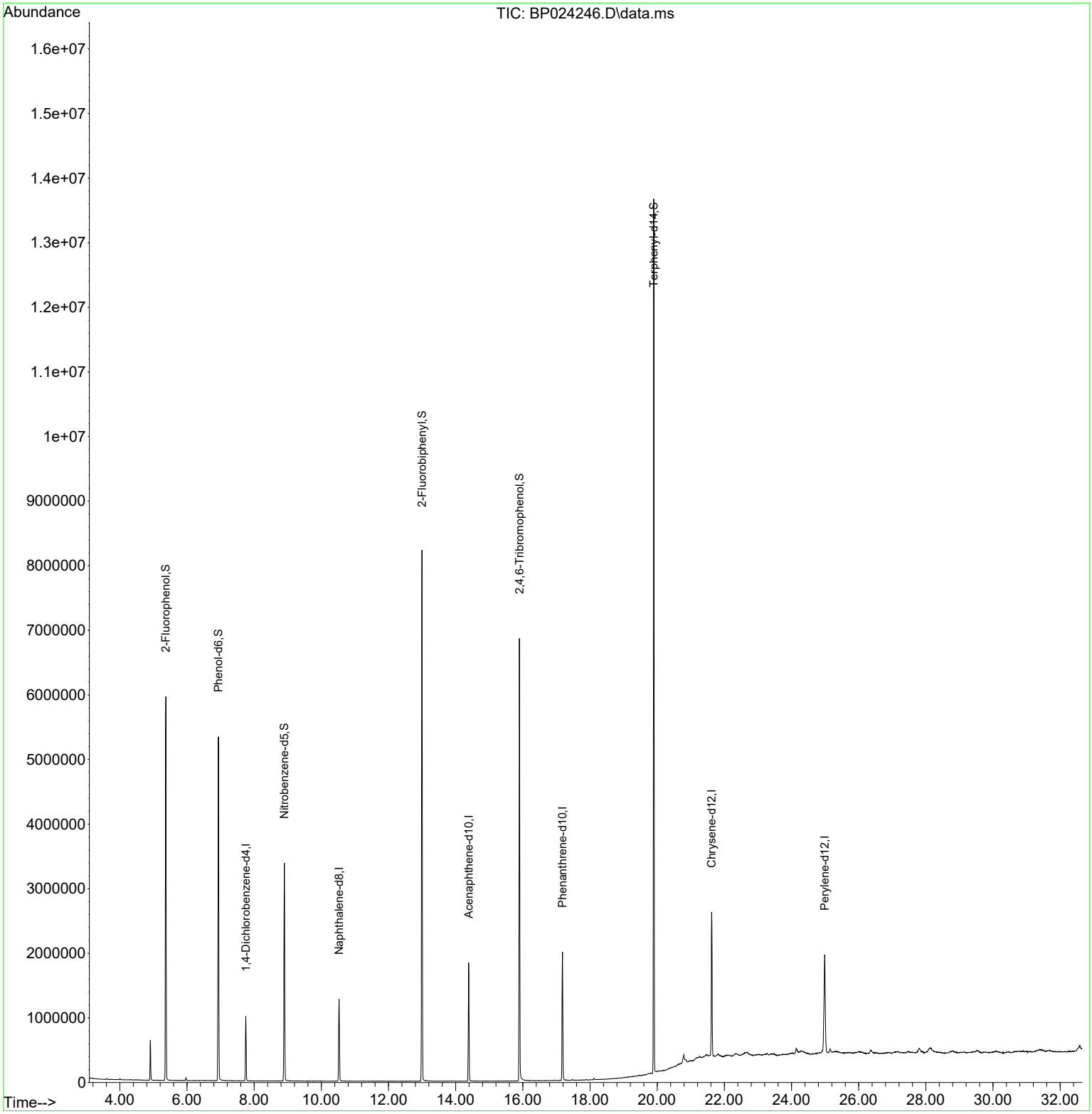
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	279607	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	1127548	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	674843	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1292039	20.000	ng	-0.01
76) Chrysene-d12	21.621	240	1334330	20.000	ng	-0.02
86) Perylene-d12	24.986	264	1503669	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2662955	152.029	ng	0.01
7) Phenol-d6	6.934	99	3335740	142.409	ng	0.00
23) Nitrobenzene-d5	8.899	82	1951169	97.634	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	1351320	158.969	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	4408592	96.327	ng	0.00
79) Terphenyl-d14	19.898	244	6462663	99.978	ng	-0.02
Target Compounds						Qvalue

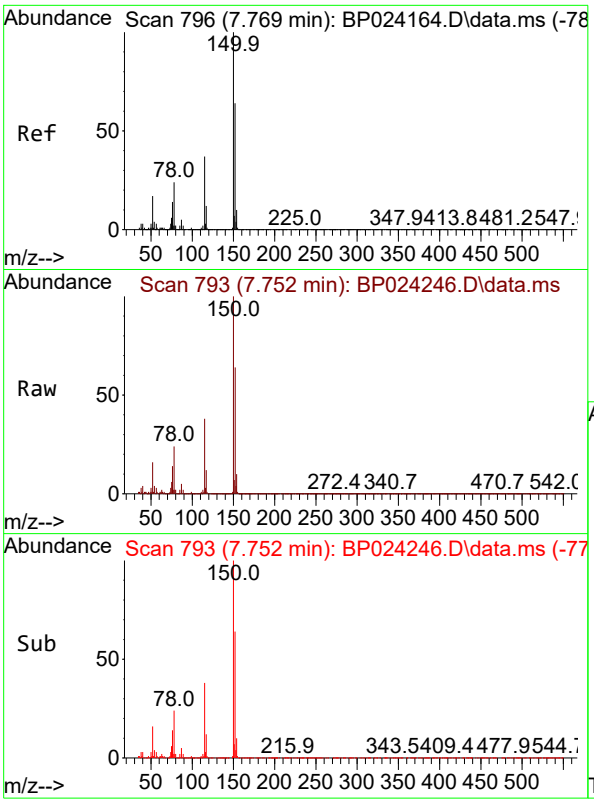
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041025\
Data File : BP024246.D
Acq On : 10 Apr 2025 10:27
Operator : RC/JU
Sample : PB167518BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Quant Time: Apr 10 11:46:57 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



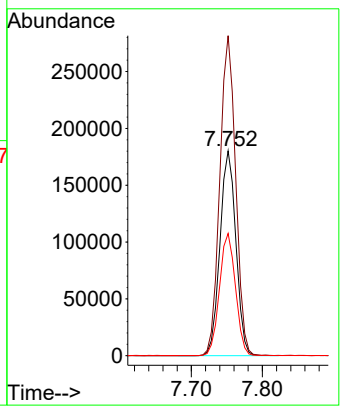


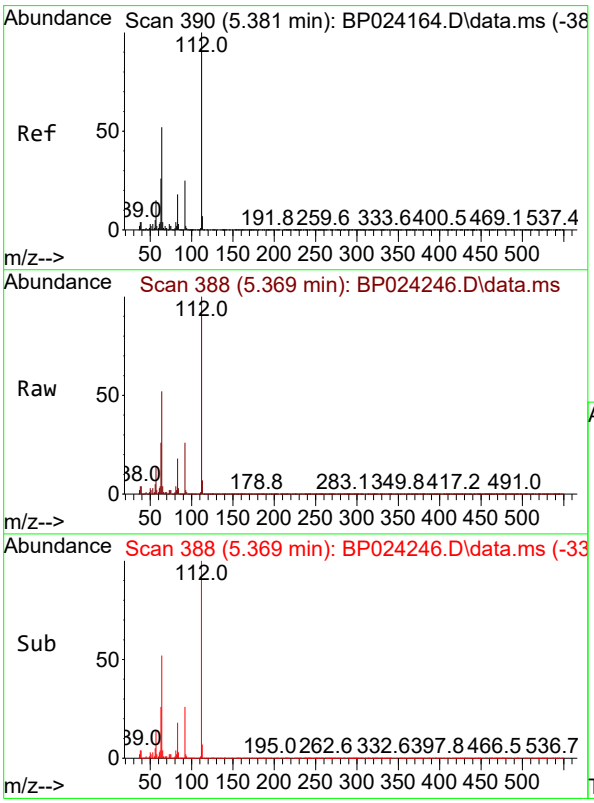
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion:152 Resp: 279607

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.5	188.3
115	59.7	46.3	69.5

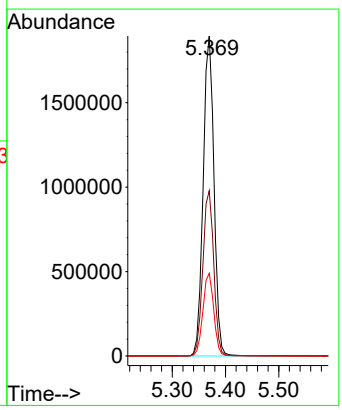


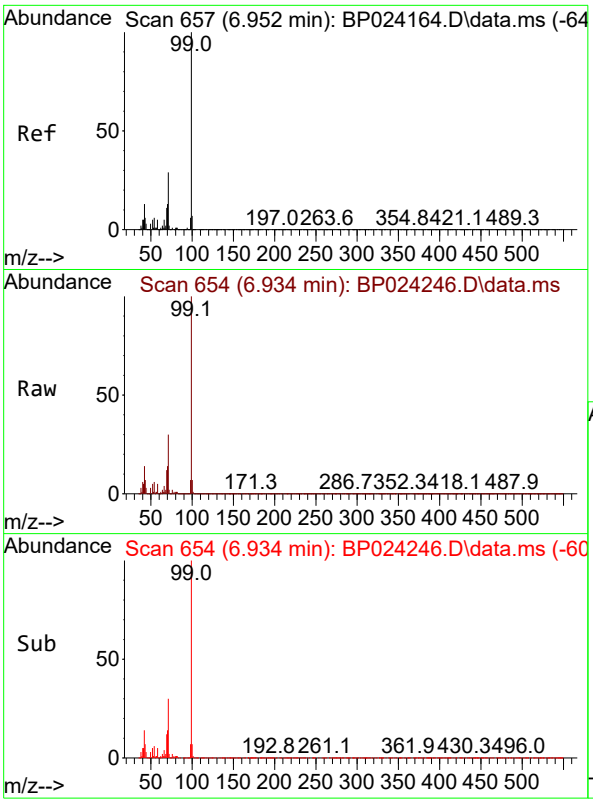


#5
2-Fluorophenol
Concen: 152.029 ng
RT: 5.369 min Scan# 388
Delta R.T. 0.012 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:112 Resp: 2662955

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.3	61.9
63	25.9	20.6	31.0



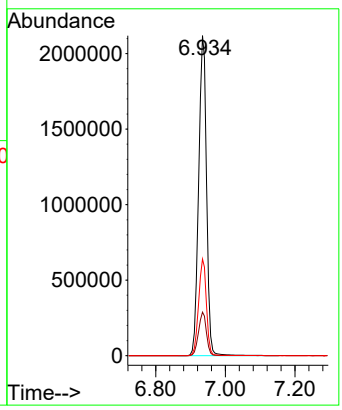


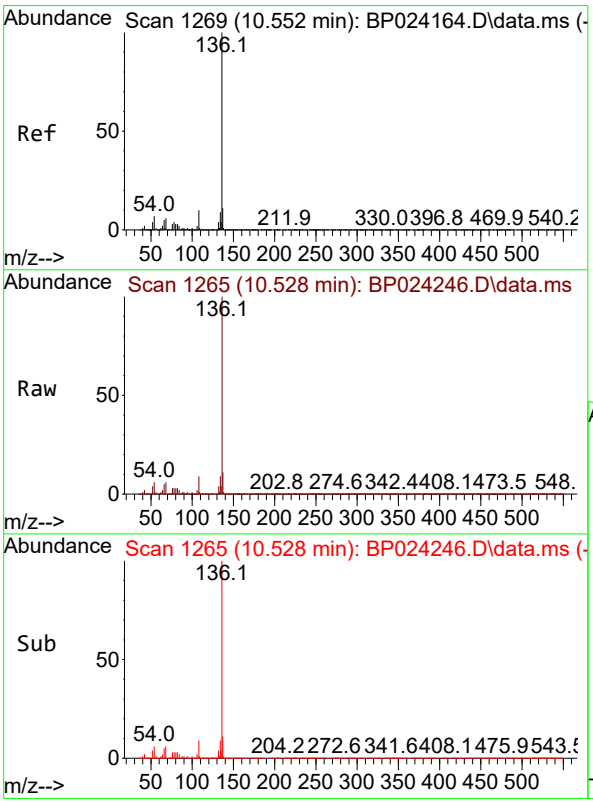
#7
Phenol-d6
Concen: 142.409 ng
RT: 6.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion: 99 Resp: 3335740

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.2	23.3	34.9

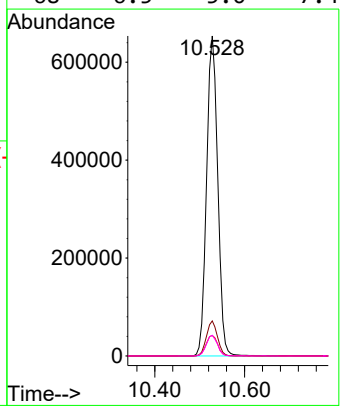


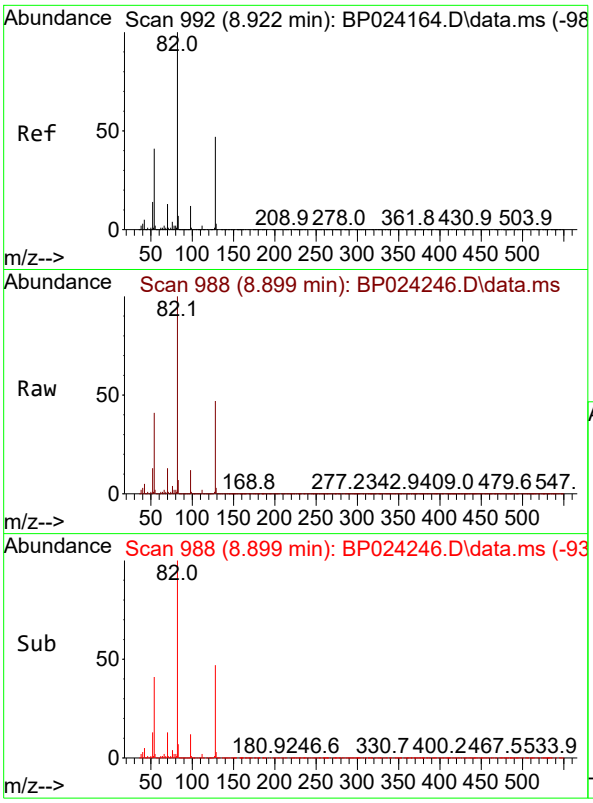


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:136 Resp: 1127548

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.4	5.3	7.9
68	6.5	5.0	7.4



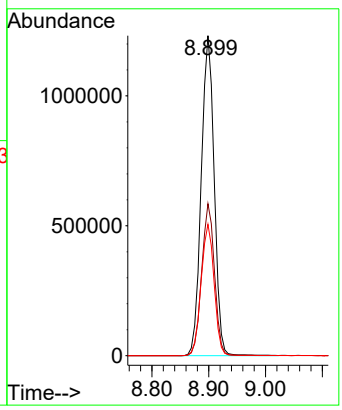


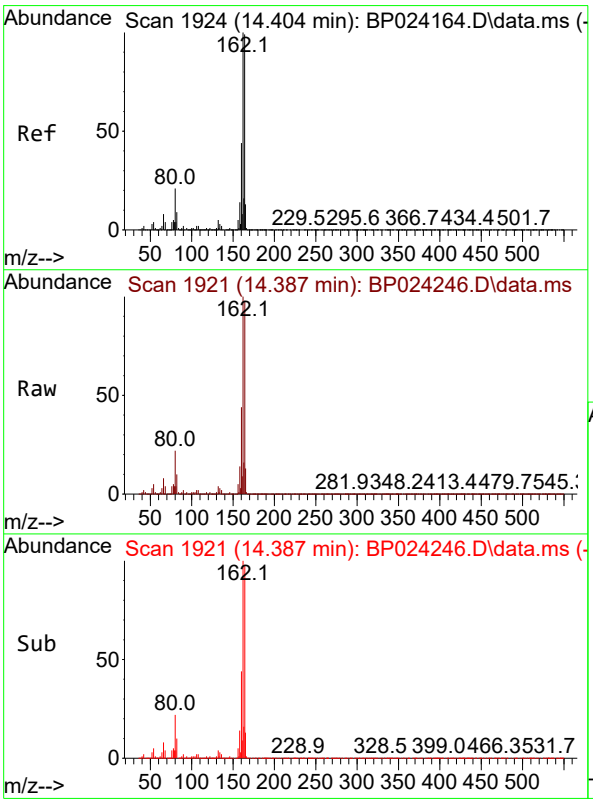
#23
Nitrobenzene-d5
Concen: 97.634 ng
RT: 8.899 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion: 82 Resp: 1951169

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.4	56.0
54	41.1	32.5	48.7

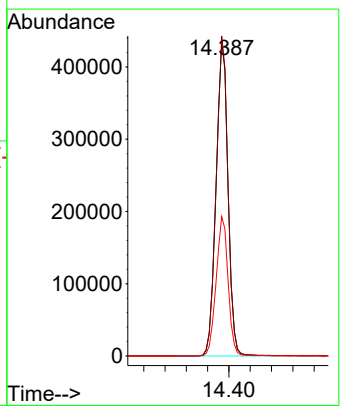


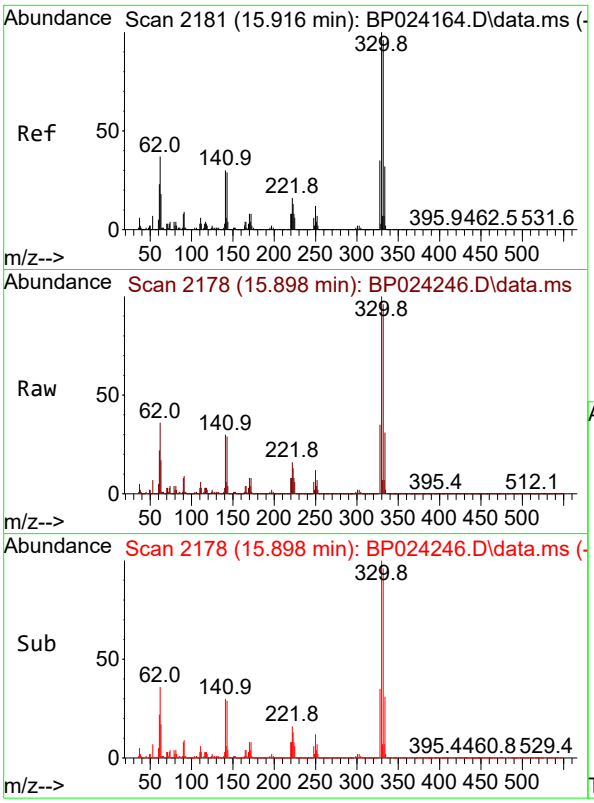


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:164 Resp: 674843

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	121.0
160	44.3	35.4	53.2



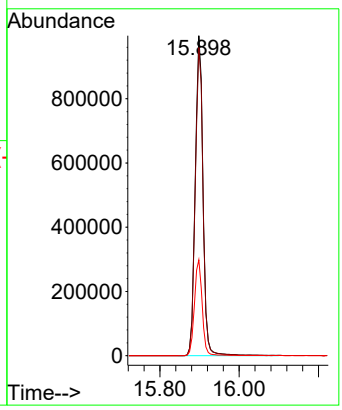


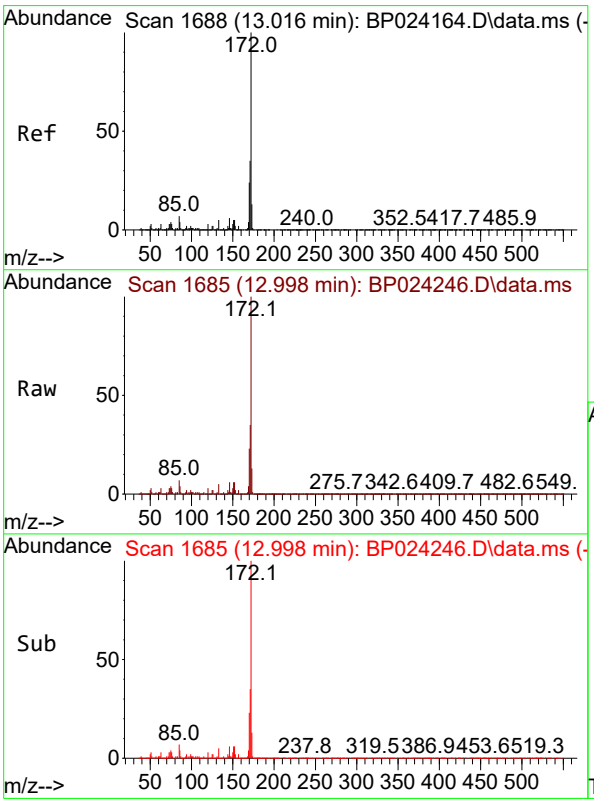
#42
2,4,6-Tribromophenol
Concen: 158.969 ng
RT: 15.898 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion:330 Resp: 1351320

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	29.9	25.0	37.6

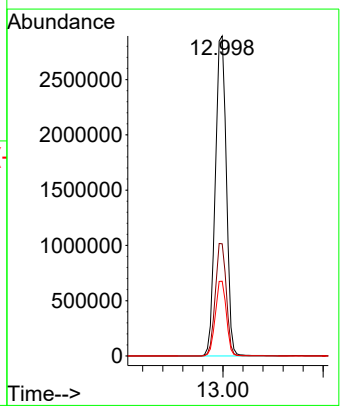


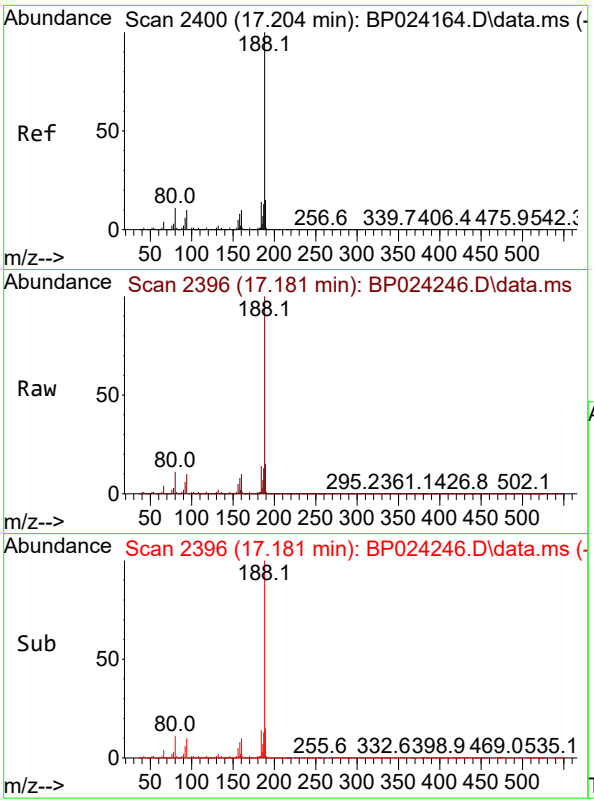


#45
2-Fluorobiphenyl
Concen: 96.327 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:172 Resp: 4408592

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	23.3	19.0	28.4



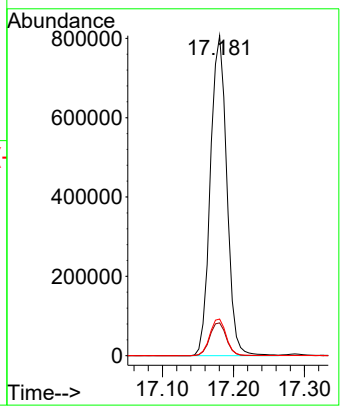


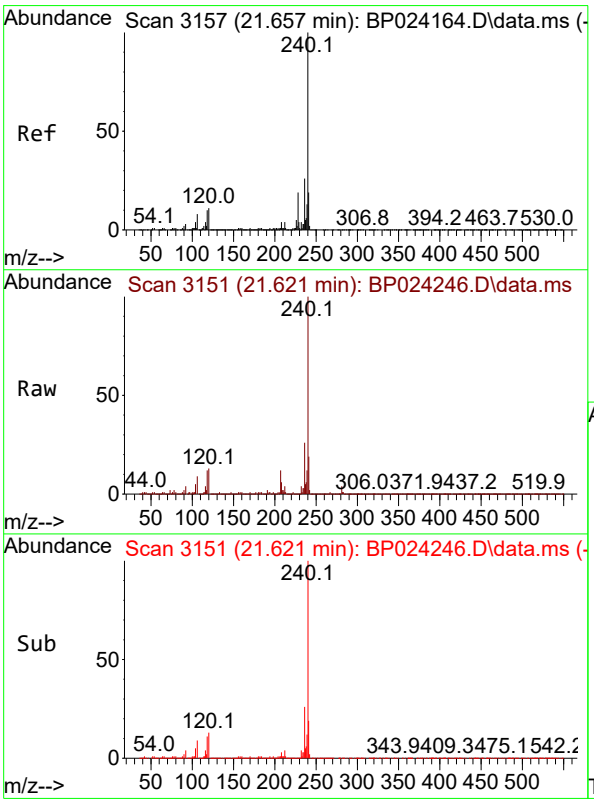
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion:188 Resp: 1292039

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.5	8.9	13.3

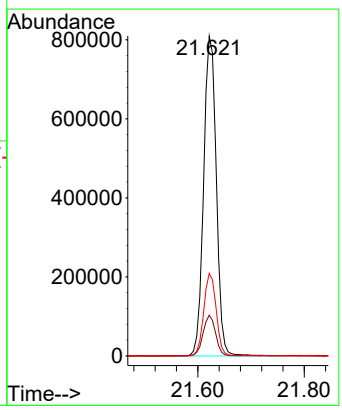


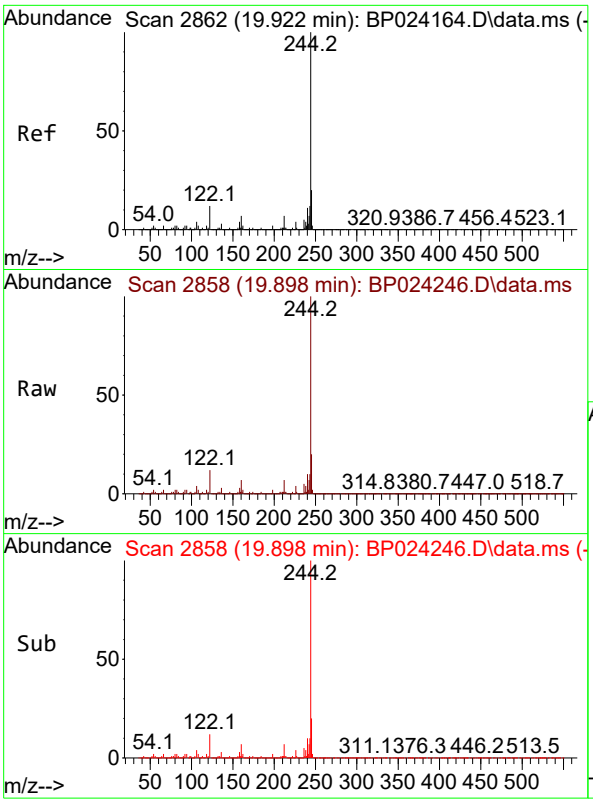


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3151
Delta R.T. -0.023 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:240 Resp: 1334330

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	25.8	20.4	30.6



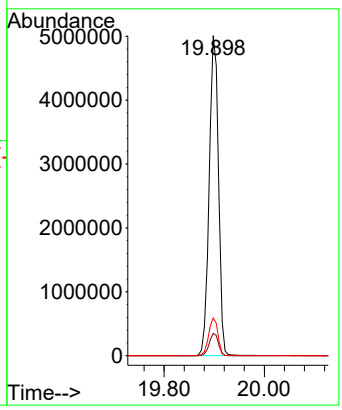


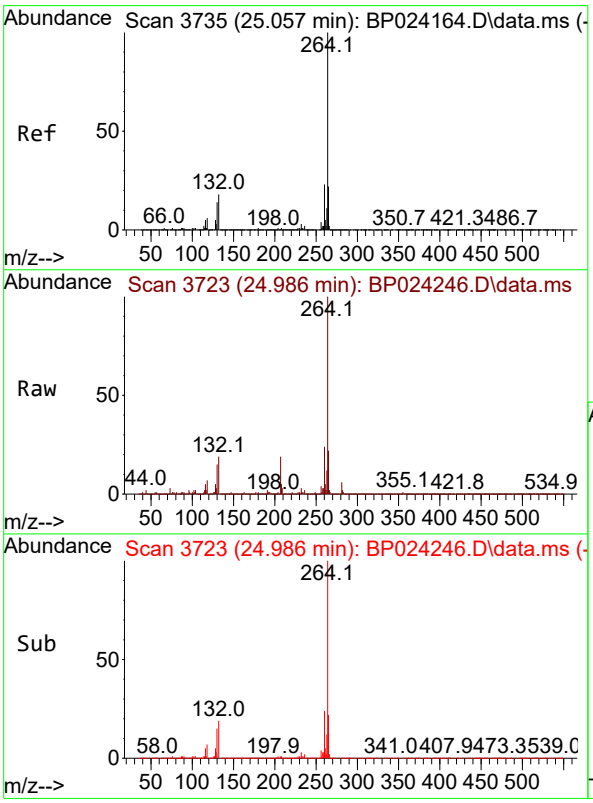
#79
Terphenyl-d14
Concen: 99.978 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Instrument :
BNA_P
ClientSampleId :
PB167518BL

Tgt Ion:244 Resp: 6462663

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.8	9.6	14.4

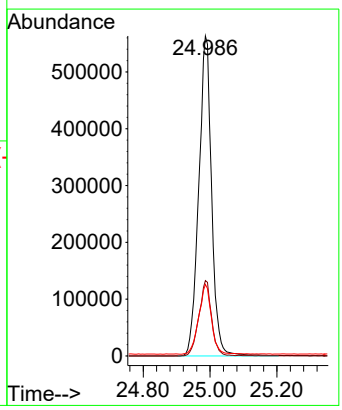




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.023 min
Lab File: BP024246.D
Acq: 10 Apr 2025 10:27

Tgt Ion:264 Resp: 1503669

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.4	17.7	26.5



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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167518BS	SDG No.:	Q1739
Lab Sample ID:	PB167518BS	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
BP024263.D	1	04/08/25 08:25	04/11/25 12:25	PB167518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	42.0		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	57.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	56.1		1.10	10.0	ug/L
67-72-1	Hexachloroethane	51.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	52.0		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	51.1		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	55.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	55.0		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	58.7		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	54.0		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	120	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	156		10 - 139	104%	SPK: 150
13127-88-3	Phenol-d6	146		10 - 134	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.6		52 - 132	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	103		48 - 125	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.758			
1146-65-2	Naphthalene-d8	1100000	10.54			
15067-26-2	Acenaphthene-d10	656000	14.393			
1517-22-2	Phenanthrene-d10	1230000	17.192			
1719-03-5	Chrysene-d12	1270000	21.645			
1520-96-3	Perylene-d12	1430000	25.021			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site			Date Received:	
Client Sample ID:	PB167518BS			SDG No.:	Q1739
Lab Sample ID:	PB167518BS			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
BP024263.D	1	04/08/25 08:25	04/11/25 12:25	PB167518

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 : BP024263.D
Acq On : 11 Apr 2025 12:25
Operator : RC/JU
Sample : PB167518BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Quant Time: Apr 11 12:51:54 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	270274	20.000	ng		0.01
21) Naphthalene-d8	10.540	136	1101814	20.000	ng		0.01
39) Acenaphthene-d10	14.393	164	656088	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1225951	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1268427	20.000	ng		0.00
86) Perylene-d12	25.021	264	1432702	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	2647916	156.390	ng		0.02
7) Phenol-d6	6.946	99	3313740	146.355	ng		0.02
23) Nitrobenzene-d5	8.911	82	1941924	99.441	ng		0.02
42) 2,4,6-Tribromophenol	15.904	330	1342960	162.502	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	4298219	96.600	ng		0.00
79) Terphenyl-d14	19.922	244	6307003	102.639	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	283969	42.311	ng		96
3) Pyridine	3.705	79	770741	42.008	ng		96
4) n-Nitrosodimethylamine	3.617	42	306736	50.047	ng		99
6) Aniline	7.093	93	1107245	53.675	ng		99
8) 2-Chlorophenol	7.328	128	993459	54.321	ng		98
9) Benzaldehyde	6.905	77	506030	46.312	ng		95
10) Phenol	6.969	94	1229117	53.774	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	903376	50.118	ng		98
12) 1,3-Dichlorobenzene	7.652	146	1000806	50.746	ng		100
13) 1,4-Dichlorobenzene	7.793	146	1018152	50.562	ng		99
14) 1,2-Dichlorobenzene	8.111	146	978773	50.652	ng		100
15) Benzyl Alcohol	7.999	79	801972	55.947	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	1012596	55.042	ng		96
17) 2-Methylphenol	8.199	107	824242	57.506	ng		99
18) Hexachloroethane	8.828	117	369928	51.781	ng		98
19) n-Nitroso-di-n-propyla...	8.558	70	667299	50.801	ng		99
20) 3+4-Methylphenols	8.528	107	1103931	56.061	ng		99
22) Acetophenone	8.575	105	1365006	49.002	ng	#	99
24) Nitrobenzene	8.952	77	1002486	52.037	ng		99
25) Isophorone	9.475	82	1864710	55.704	ng		99
26) 2-Nitrophenol	9.652	139	509675	55.387	ng		98
27) 2,4-Dimethylphenol	9.716	122	900234	76.080	ng		98
28) bis(2-Chloroethoxy)met...	9.946	93	1209828	51.373	ng		99
29) 2,4-Dichlorophenol	10.193	162	872786	54.525	ng		99
30) 1,2,4-Trichlorobenzene	10.399	180	885541	50.073	ng		99
31) Naphthalene	10.587	128	2846994	48.745	ng		100
32) Benzoic acid	9.869	122	653738	56.649	ng		99
33) 4-Chloroaniline	10.693	127	567563	27.154	ng		99
34) Hexachlorobutadiene	10.875	225	520040	51.094	ng		100
35) Caprolactam	11.487	113	289393	55.163	ng		99
36) 4-Chloro-3-methylphenol	11.828	107	949008	54.958	ng		99
37) 2-Methylnaphthalene	12.199	142	1768232	44.814	ng		99
38) 1-Methylnaphthalene	12.416	142	1872679	48.796	ng		100
40) 1,2,4,5-Tetrachloroben...	12.569	216	946884	49.926	ng	#	98
41) Hexachlorocyclopentadiene	12.552	237	1371000	200.543	ng		98
43) 2,4,6-Trichlorophenol	12.816	196	671738	55.732	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024263.D
Acq On : 11 Apr 2025 12:25
Operator : RC/JU
Sample : PB167518BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Quant Time: Apr 11 12:51:54 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

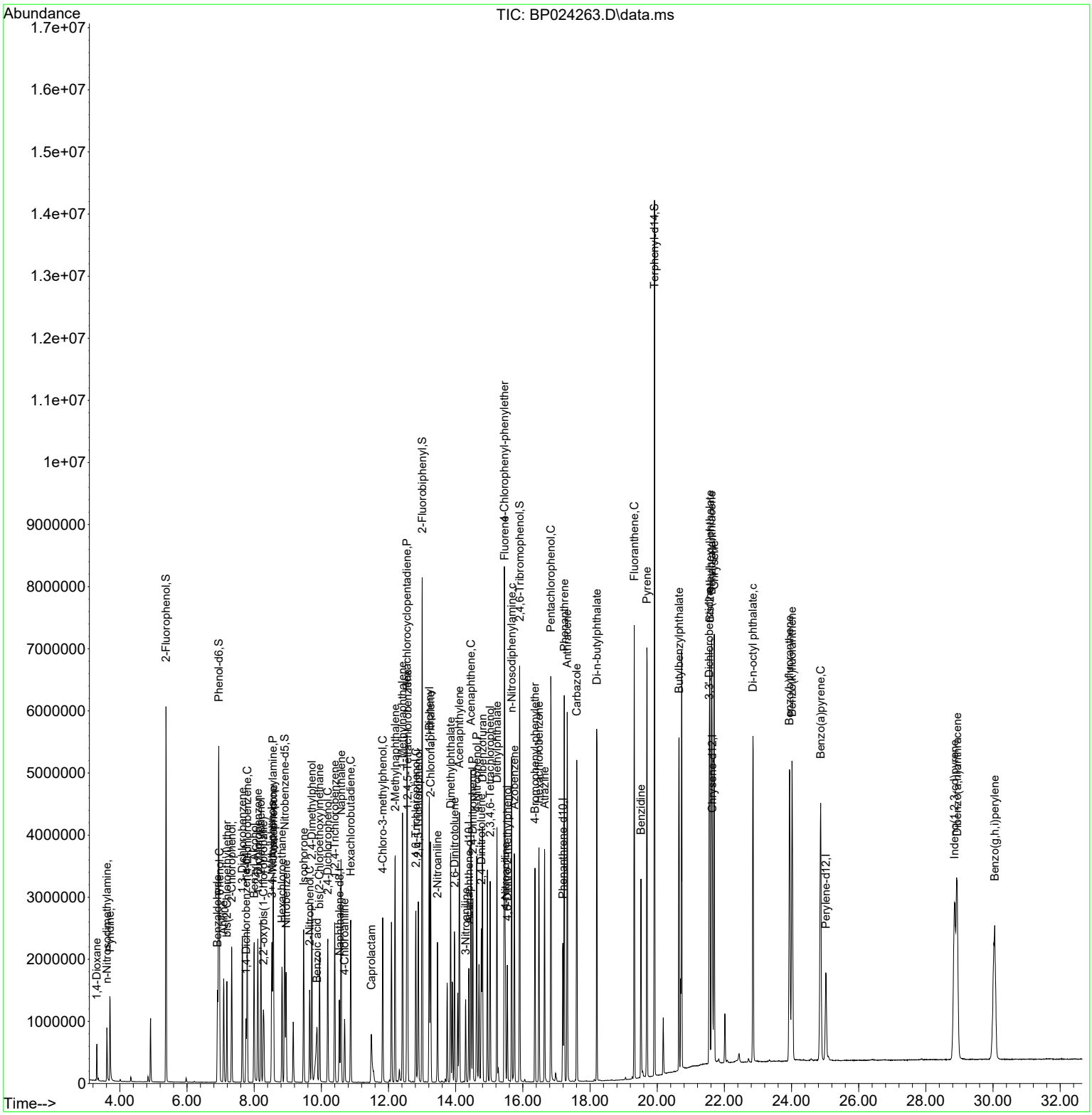
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	727122	55.009	ng	99
46) 1,1'-Biphenyl	13.216	154	2457964	49.855	ng	99
47) 2-Chloronaphthalene	13.251	162	1874459	50.547	ng	98
48) 2-Nitroaniline	13.457	65	562905	59.347	ng	97
49) Acenaphthylene	14.110	152	3136174	55.892	ng	100
50) Dimethylphthalate	13.851	163	2391418	52.092	ng	99
51) 2,6-Dinitrotoluene	13.963	165	532455	55.124	ng	95
52) Acenaphthene	14.457	154	1796188	50.101	ng	99
53) 3-Nitroaniline	14.298	138	333914	32.007	ng	99
54) 2,4-Dinitrophenol	14.510	184	662987	129.718	ng	94
55) Dibenzofuran	14.798	168	2831843	48.764	ng	98
56) 4-Nitrophenol	14.628	139	1057300	121.289	ng	97
57) 2,4-Dinitrotoluene	14.763	165	749419	58.737	ng	99
58) Fluorene	15.457	166	2281360	50.421	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.028	232	634464	54.328	ng	98
60) Diethylphthalate	15.228	149	2377275	52.001	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1107114	49.888	ng	97
62) 4-Nitroaniline	15.481	138	579936	53.002	ng	99
63) Azobenzene	15.745	77	2223203	51.596	ng	98
65) 4,6-Dinitro-2-methylph...	15.540	198	411643	56.560	ng	98
66) n-Nitrosodiphenylamine	15.669	169	1993415	53.546	ng	99
67) 4-Bromophenyl-phenylether	16.363	248	721071	53.572	ng	98
68) Hexachlorobenzene	16.481	284	860387	54.007	ng	100
69) Atrazine	16.651	200	695468	77.398	ng	100
70) Pentachlorophenol	16.834	266	1198571	116.339	ng	100
71) Phenanthrene	17.234	178	3476139	51.903	ng	99
72) Anthracene	17.322	178	3578499	54.860	ng	100
73) Carbazole	17.604	167	3418195	54.339	ng	99
74) Di-n-butylphthalate	18.198	149	4066715	54.458	ng	100
75) Fluoranthene	19.316	202	4056848	52.302	ng	99
77) Benzidine	19.516	184	1910343	137.749	ng	99
78) Pyrene	19.692	202	4190573	53.141	ng	100
80) Butylbenzylphthalate	20.651	149	1901299	58.467	ng	98
81) Benzo(a)anthracene	21.622	228	4314443	54.709	ng	100
82) 3,3'-Dichlorobenzidine	21.551	252	1165413	44.093	ng	100
83) Chrysene	21.698	228	3975849	52.444	ng	99
84) Bis(2-ethylhexyl)phtha...	21.569	149	2777718	56.609	ng	100
85) Di-n-octyl phthalate	22.851	149	4682912	59.565	ng	100
87) Indeno(1,2,3-cd)pyrene	28.851	276	5478900	54.794	ng	100
88) Benzo(b)fluoranthene	23.939	252	4576422	52.978	ng	98
89) Benzo(k)fluoranthene	24.016	252	4518331	53.472	ng	100
90) Benzo(a)pyrene	24.869	252	4367257	58.140	ng	99
91) Dibenzo(a,h)anthracene	28.933	278	4506175	54.169	ng	98
92) Benzo(g,h,i)perylene	30.051	276	4409701	52.146	ng	99

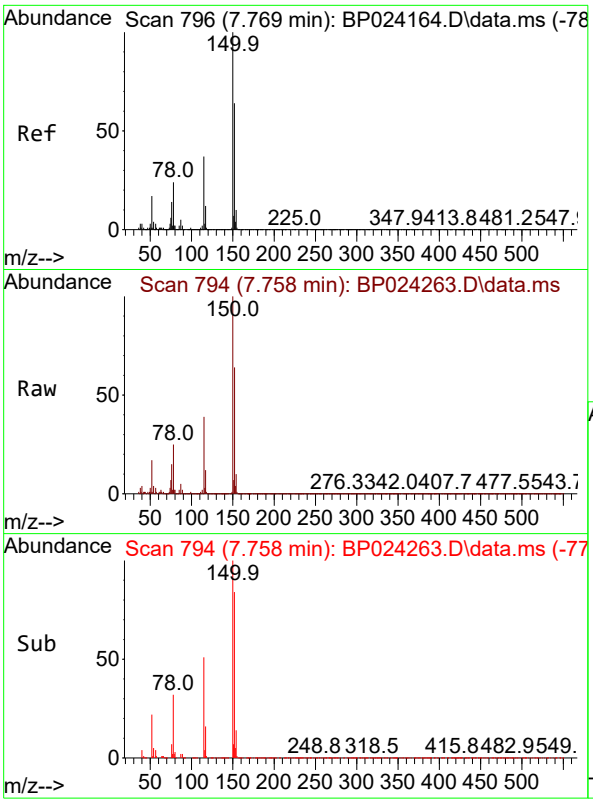
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024263.D
Acq On : 11 Apr 2025 12:25
Operator : RC/JU
Sample : PB167518BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Quant Time: Apr 11 12:51:54 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



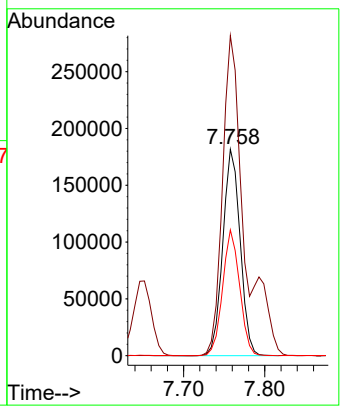


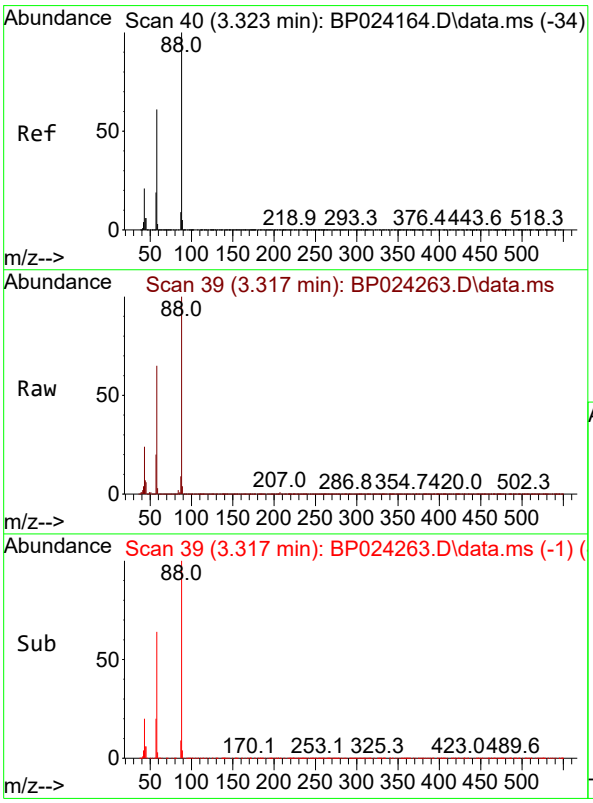
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 7
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:152 Resp: 270274

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.5	188.3
115	60.9	46.3	69.5

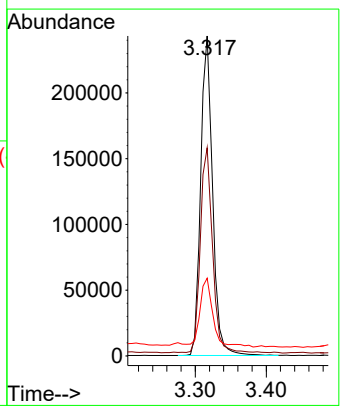


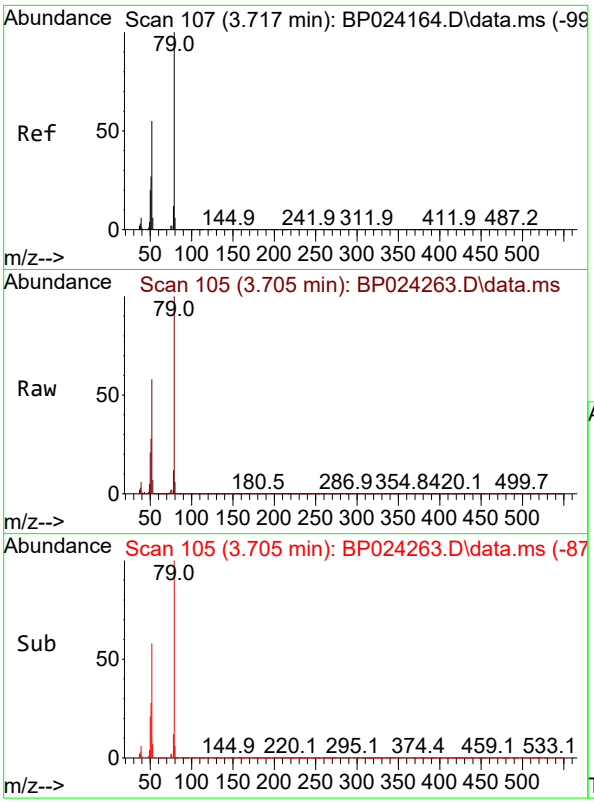


#2
1,4-Dioxane
Concen: 42.311 ng
RT: 3.317 min Scan# 39
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 88 Resp: 283969

Ion	Ratio	Lower	Upper
88	100		
58	65.4	49.8	74.6
43	23.6	17.3	25.9



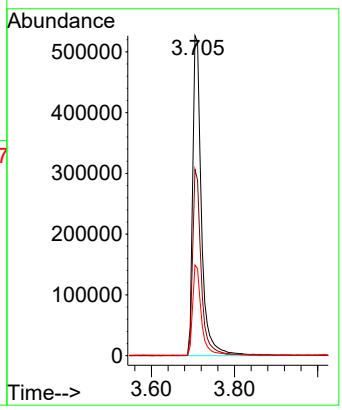


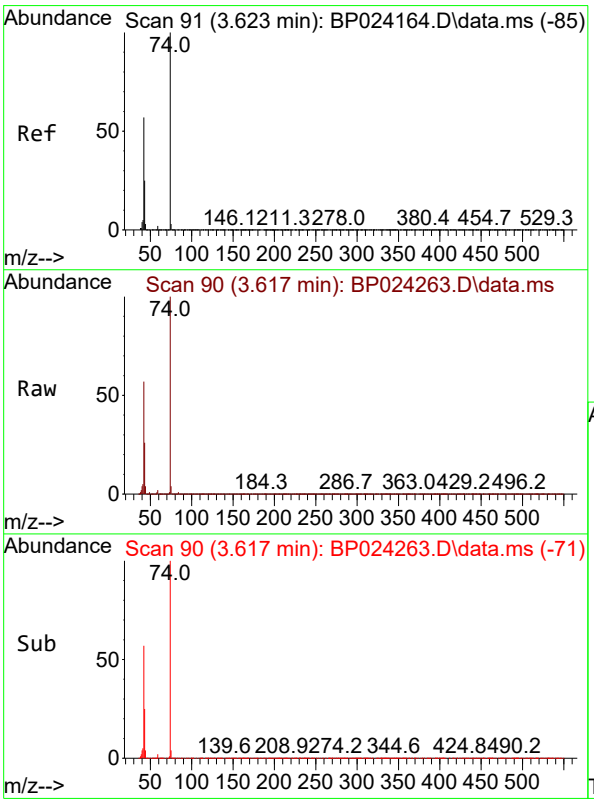
#3
Pyridine
Concen: 42.008 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 79 Resp: 770741

Ion	Ratio	Lower	Upper
79	100		
52	58.2	43.8	65.8
51	28.4	21.6	32.4

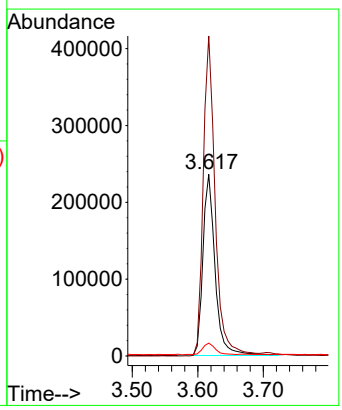


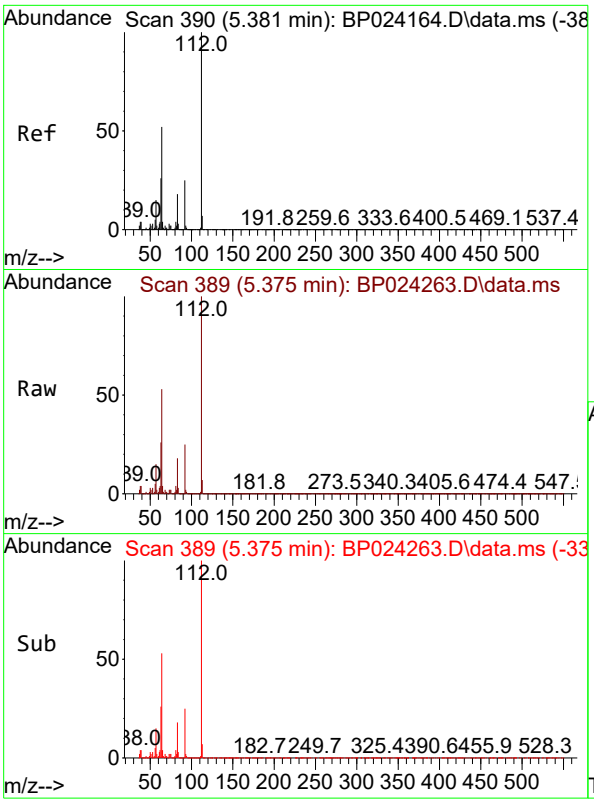


#4
n-Nitrosodimethylamine
Concen: 50.047 ng
RT: 3.617 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 42 Resp: 306736

Ion	Ratio	Lower	Upper
42	100		
74	176.2	139.8	209.6
44	7.0	5.3	7.9



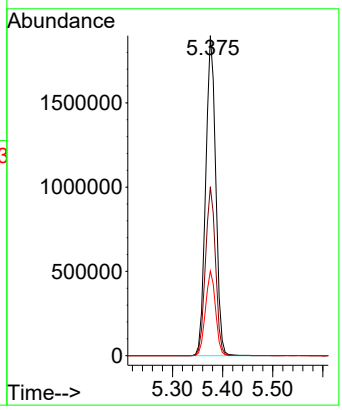


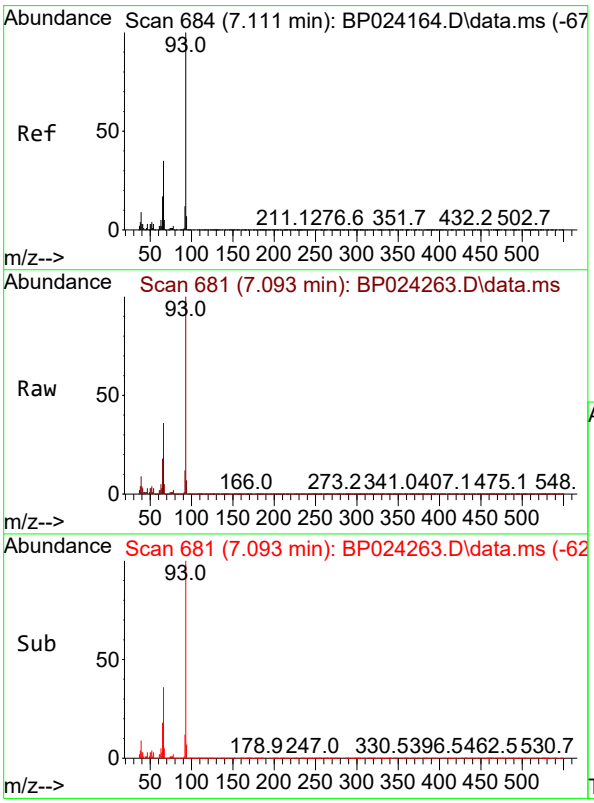
#5
2-Fluorophenol
Concen: 156.390 ng
RT: 5.375 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:112 Resp: 2647916

Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.3	61.9
63	26.4	20.6	31.0

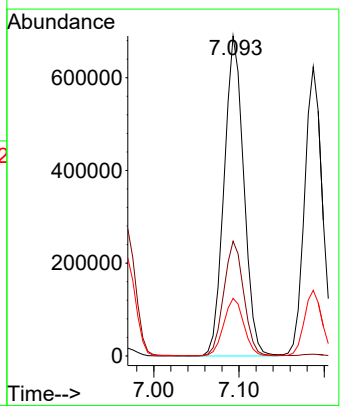


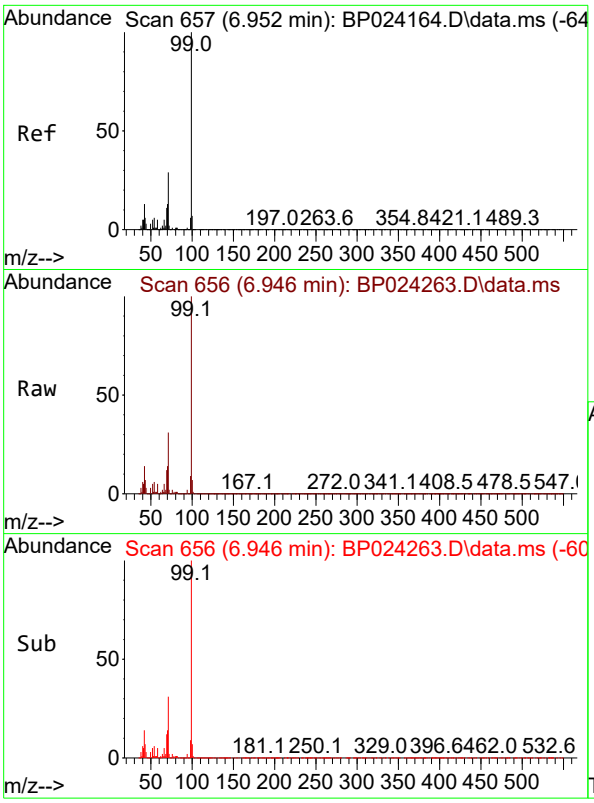


#6
Aniline
Concen: 53.675 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 93 Resp: 1107245

Ion	Ratio	Lower	Upper
93	100		
66	35.9	28.2	42.2
65	18.0	14.0	21.0



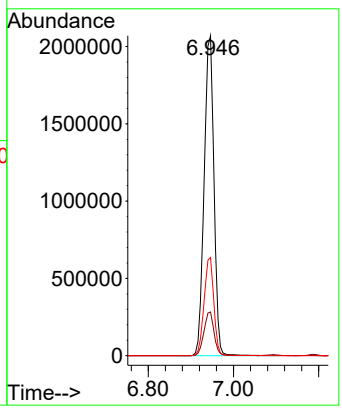


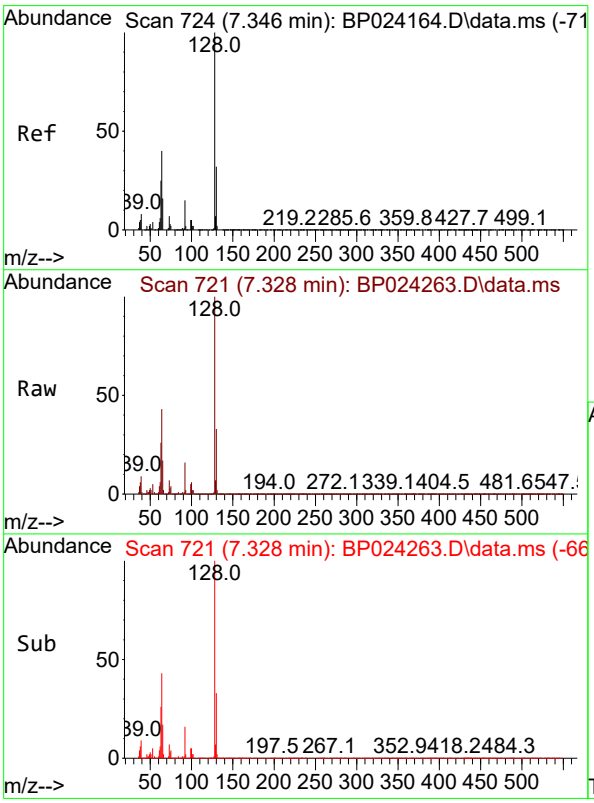
#7
Phenol-d6
Concen: 146.355 ng
RT: 6.946 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 99 Resp: 3313740

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.7	23.3	34.9

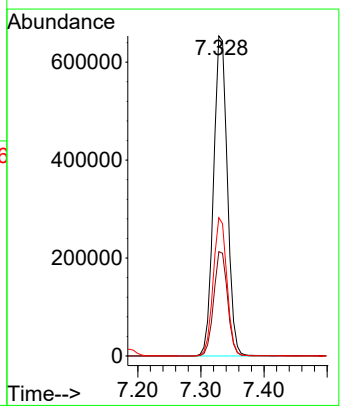


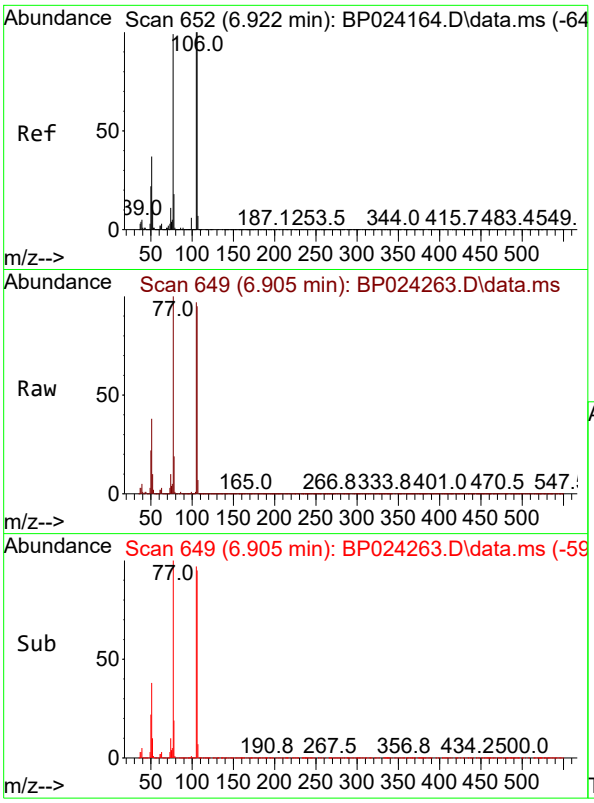


#8
2-Chlorophenol
Concen: 54.321 ng
RT: 7.328 min Scan# 721
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:128 Resp: 993459

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.0	52.0
64	43.2	21.6	61.6



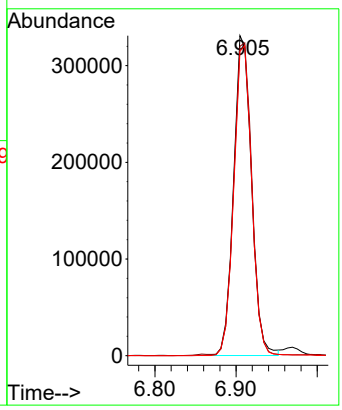


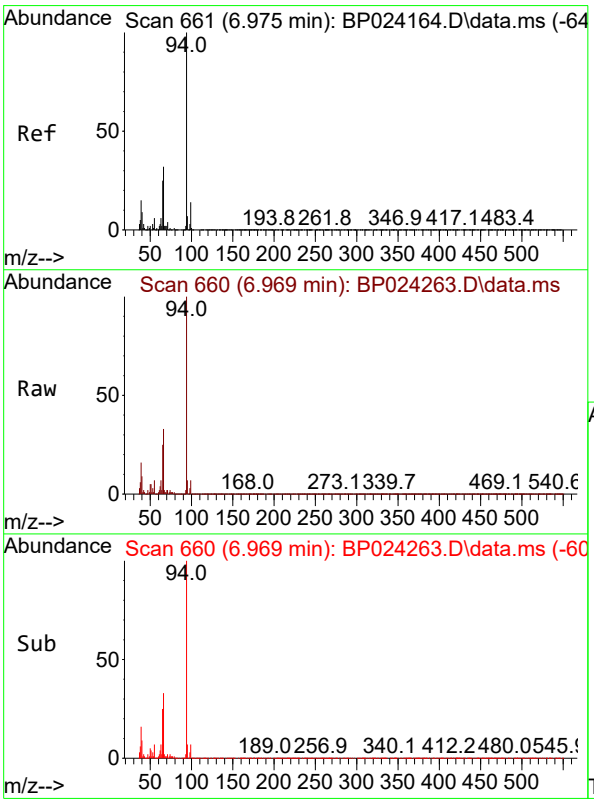
#9
Benzaldehyde
Concen: 46.312 ng
RT: 6.905 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 77 Resp: 506030

Ion	Ratio	Lower	Upper
77	100		
105	96.7	81.4	121.4
106	95.1	81.1	121.1

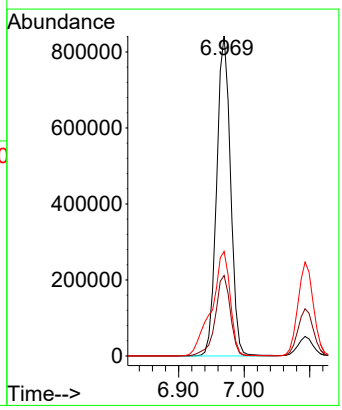


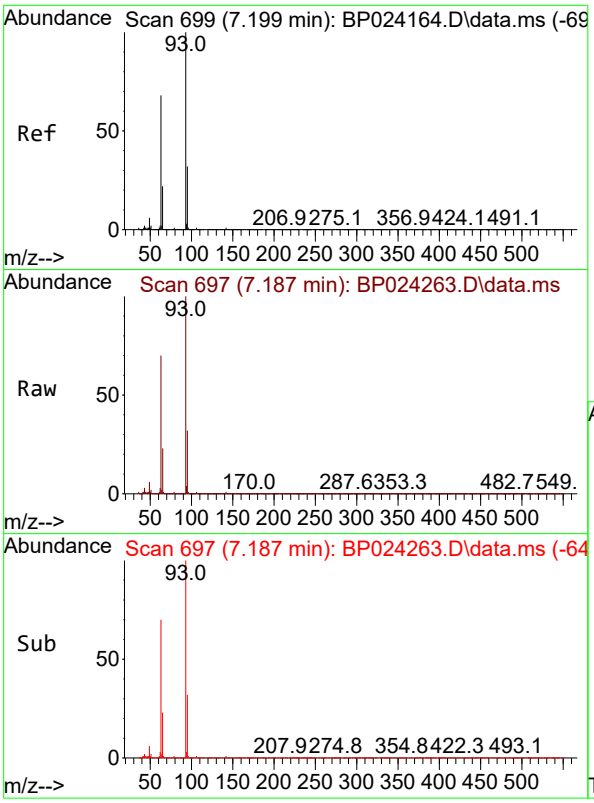


#10
Phenol
Concen: 53.774 ng
RT: 6.969 min Scan# 660
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 94 Resp: 1229117

Ion	Ratio	Lower	Upper
94	100		
65	25.2	4.9	44.9
66	32.7	11.9	51.9



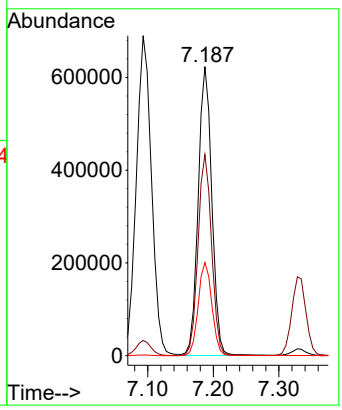


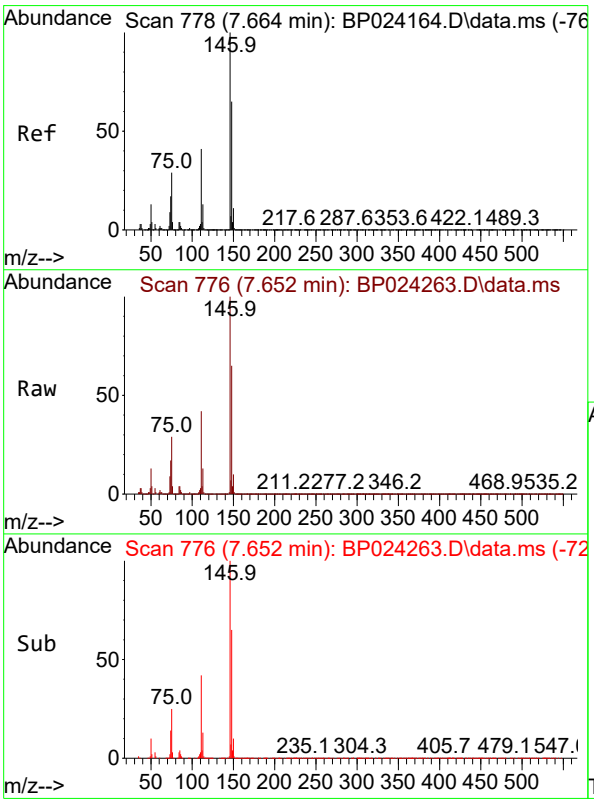
#11
bis(2-Chloroethyl)ether
Concen: 50.118 ng
RT: 7.187 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 93 Resp: 903376

Ion	Ratio	Lower	Upper
93	100		
63	69.6	47.4	87.4
95	32.2	12.1	52.1

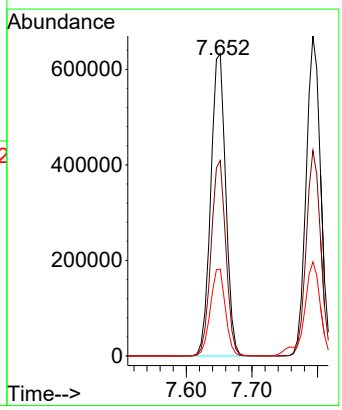


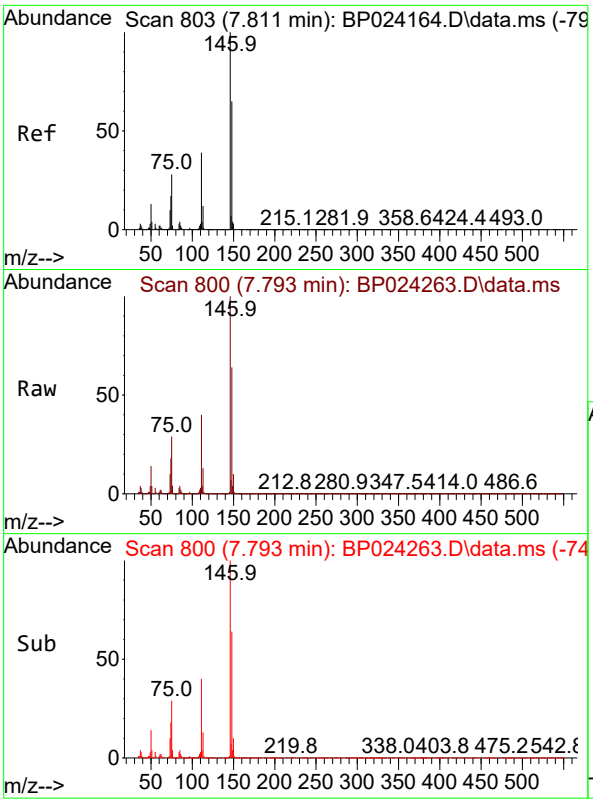


#12
1,3-Dichlorobenzene
Concen: 50.746 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:146 Resp: 1000806

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	28.7	22.8	34.2



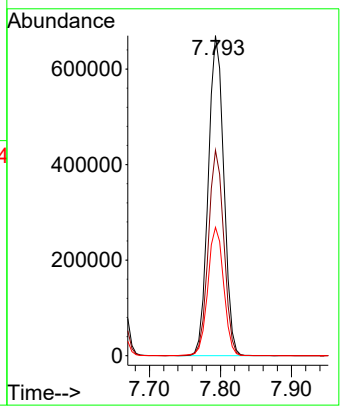


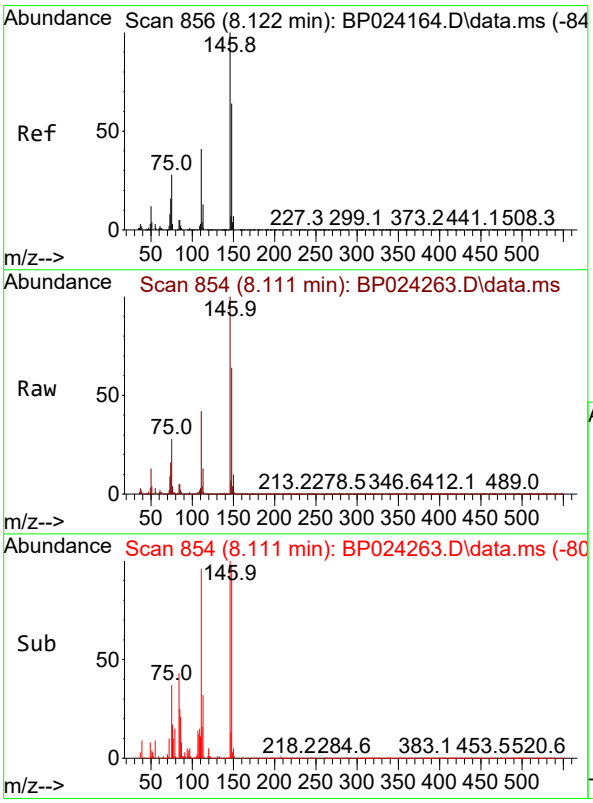
#13
1,4-Dichlorobenzene
Concen: 50.562 ng
RT: 7.793 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:146 Resp: 1018152

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	40.1	31.4	47.2

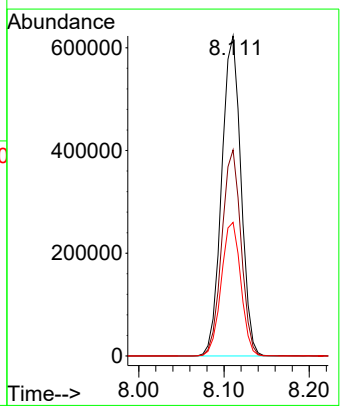


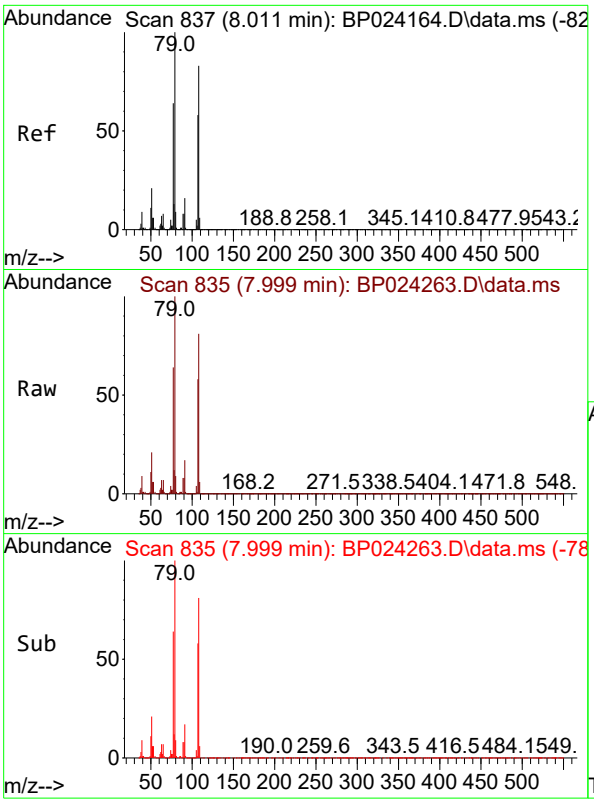


#14
1,2-Dichlorobenzene
Concen: 50.652 ng
RT: 8.111 min Scan# 854
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:146 Resp: 978773

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
111	41.7	33.2	49.8



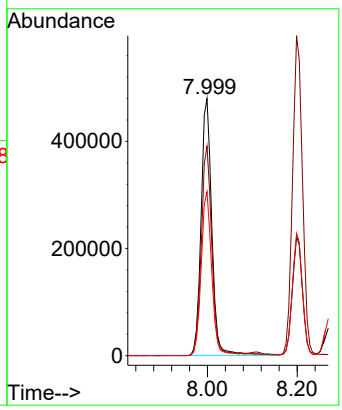


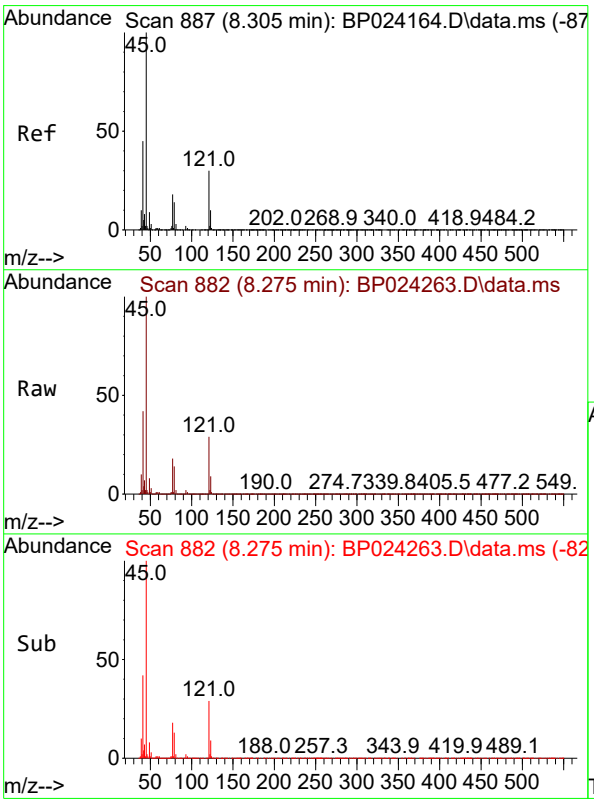
#15
Benzyl Alcohol
Concen: 55.947 ng
RT: 7.999 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 79 Resp: 801972

Ion	Ratio	Lower	Upper
79	100		
108	81.4	66.5	99.7
77	63.8	50.9	76.3

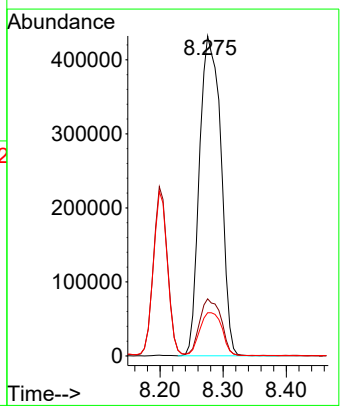


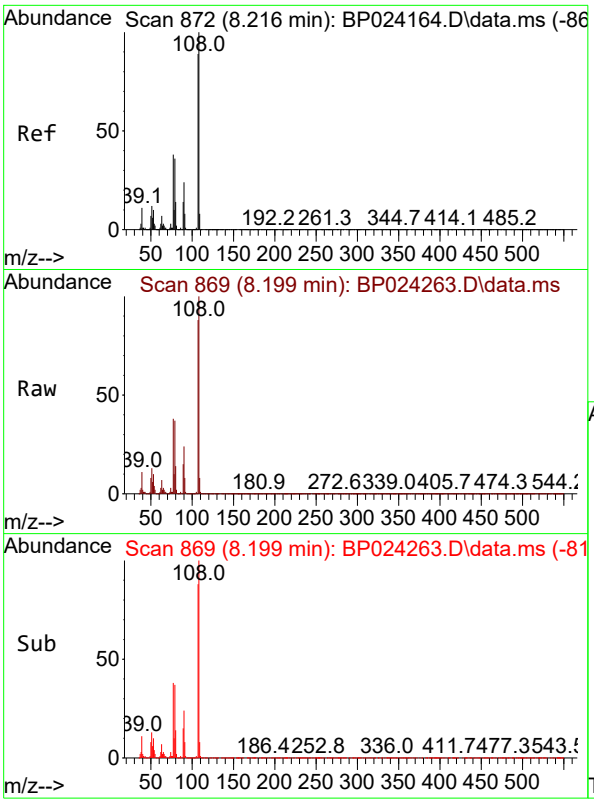


#16
2,2'-oxybis(1-Chloropropane)
Concen: 55.042 ng
RT: 8.275 min Scan# 882
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 45 Resp: 1012596

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	39.0
79	13.5	0.0	35.6



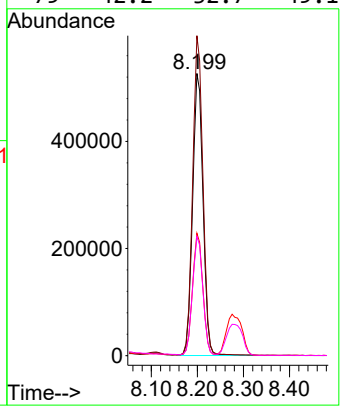


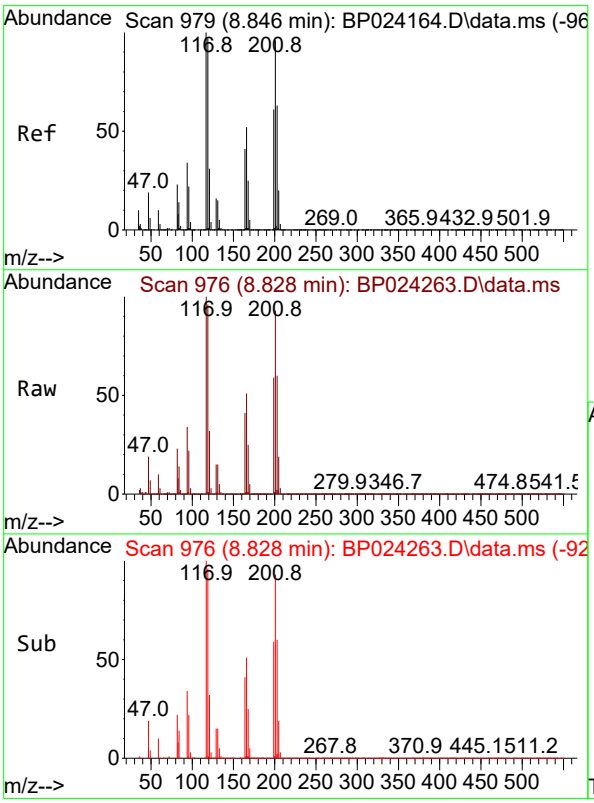
#17
2-Methylphenol
Concen: 57.506 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:107 Resp: 824242

Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.0	135.0
77	43.4	34.0	51.0
79	42.2	32.7	49.1

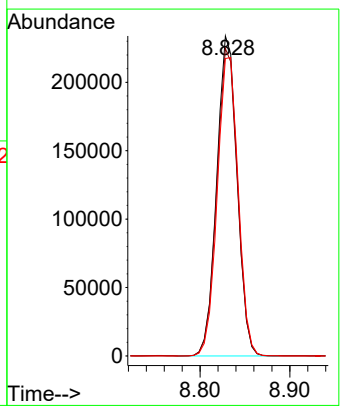


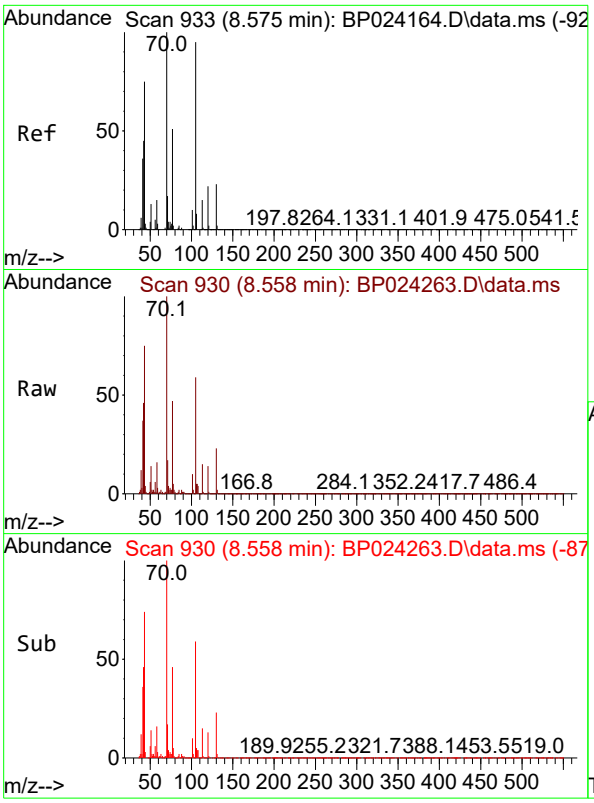


#18
Hexachloroethane
Concen: 51.781 ng
RT: 8.828 min Scan# 976
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:117 Resp: 369928

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
201	92.9	76.6	114.8



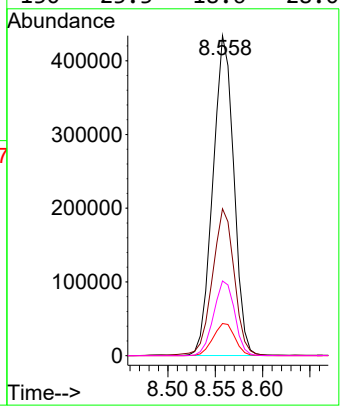


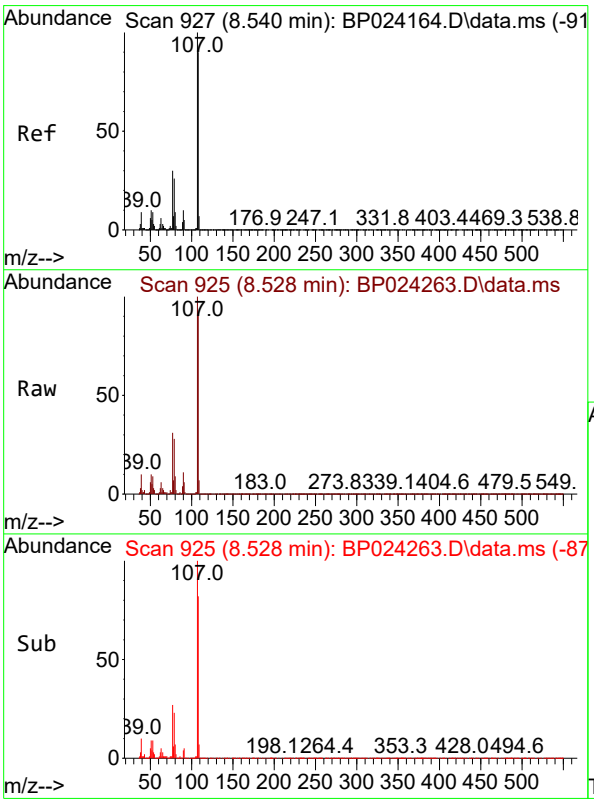
#19
n-Nitroso-di-n-propylamine
Concen: 50.801 ng
RT: 8.558 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 70 Resp: 667299

Ion	Ratio	Lower	Upper
70	100		
42	45.9	36.0	54.0
101	10.0	8.3	12.5
130	23.3	18.6	28.0

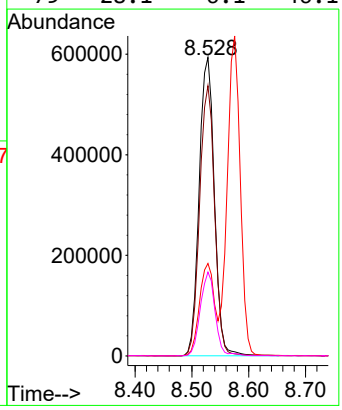


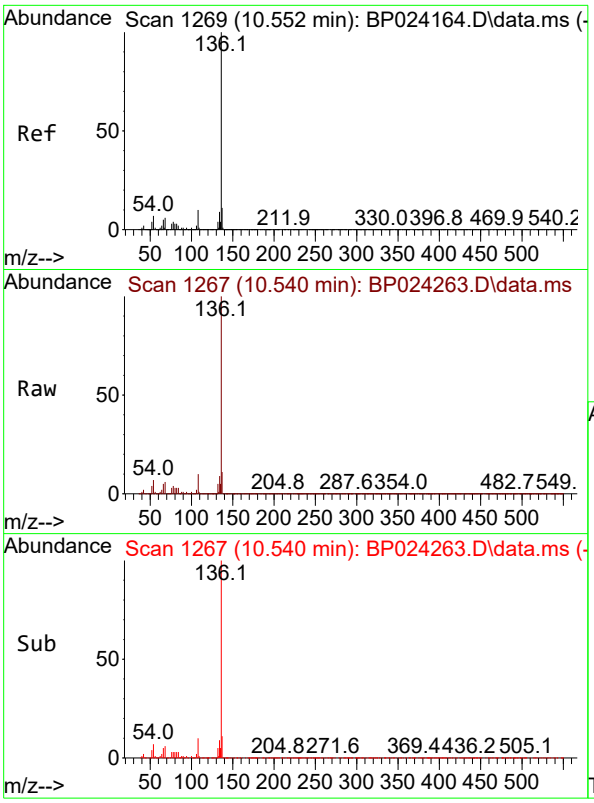


#20
3+4-Methylphenols
Concen: 56.061 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:107 Resp: 1103931

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.7	109.7
77	31.0	10.3	50.3
79	28.1	6.1	46.1



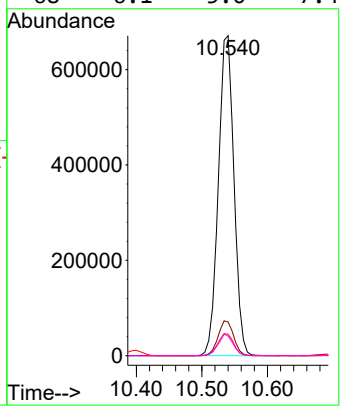


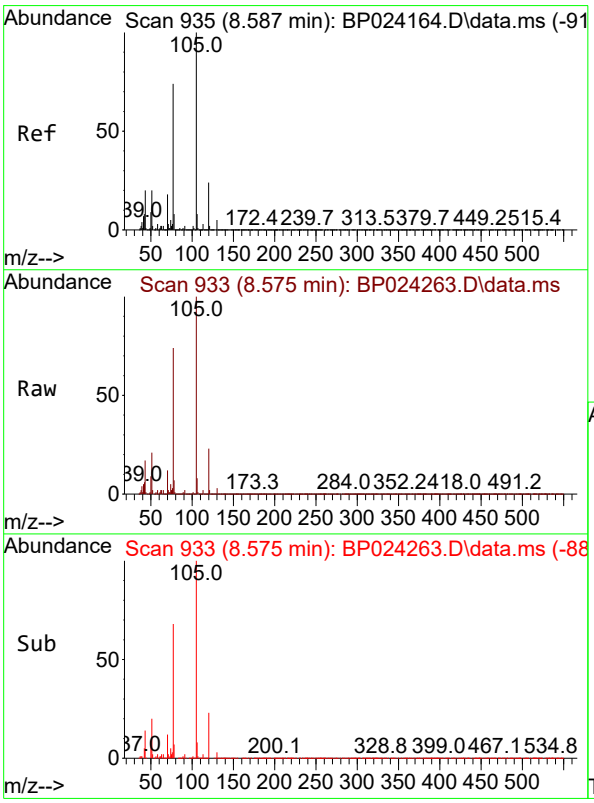
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:136 Resp: 1101814

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	6.7	5.3	7.9
68	6.1	5.0	7.4

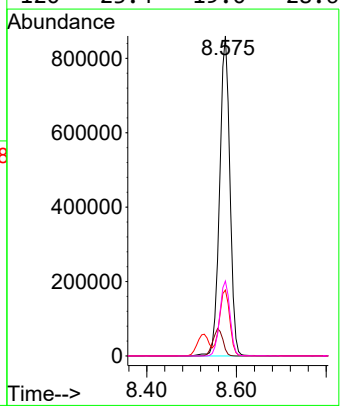


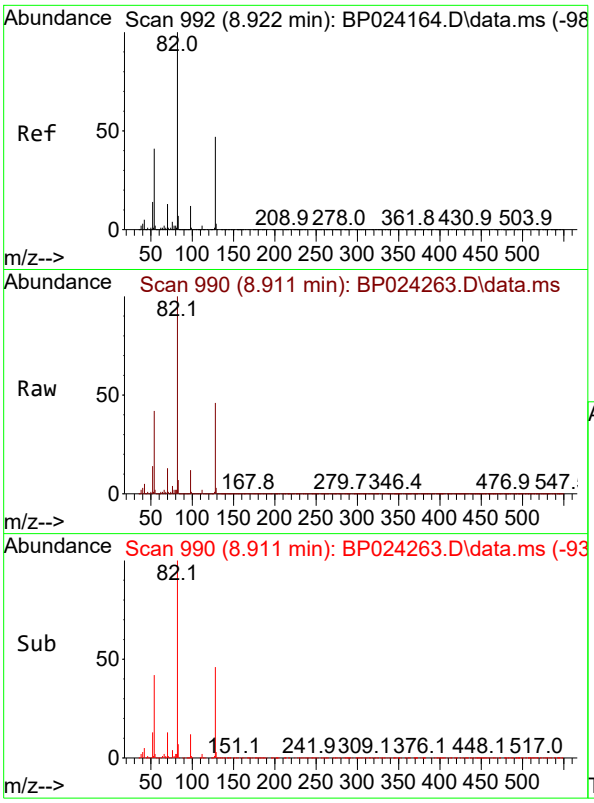


#22
Acetophenone
Concen: 49.002 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:105 Resp: 1365006

Ion	Ratio	Lower	Upper
105	100		
71	2.0	2.4	3.6#
51	20.6	16.2	24.2
120	23.4	19.0	28.6



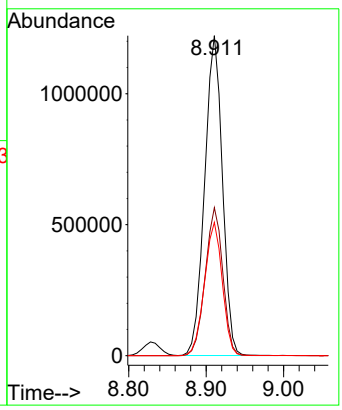


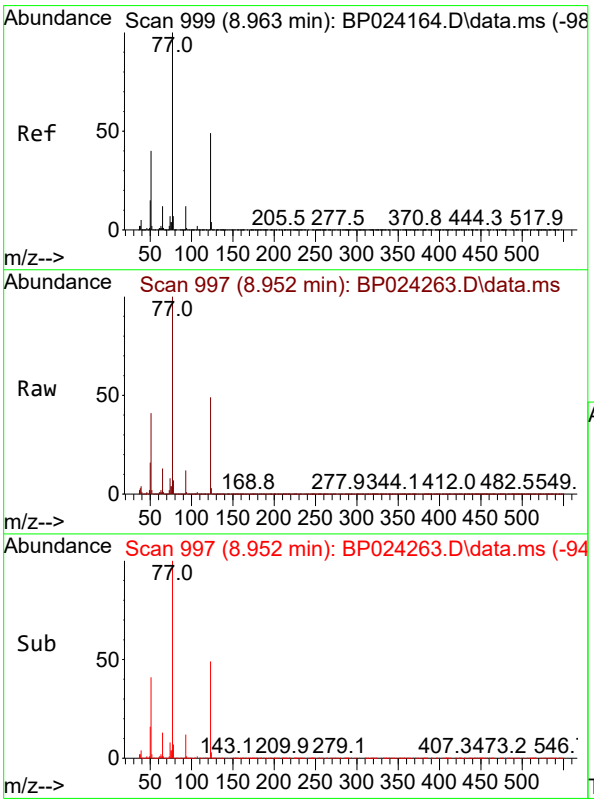
#23
Nitrobenzene-d5
Concen: 99.441 ng
RT: 8.911 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 82 Resp: 1941924

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.0
54	41.6	32.5	48.7

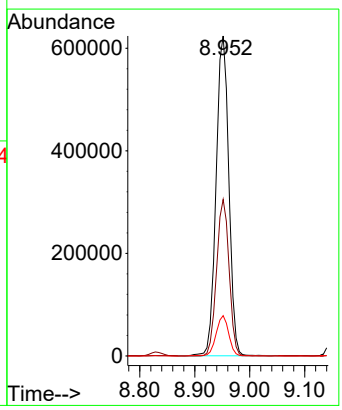


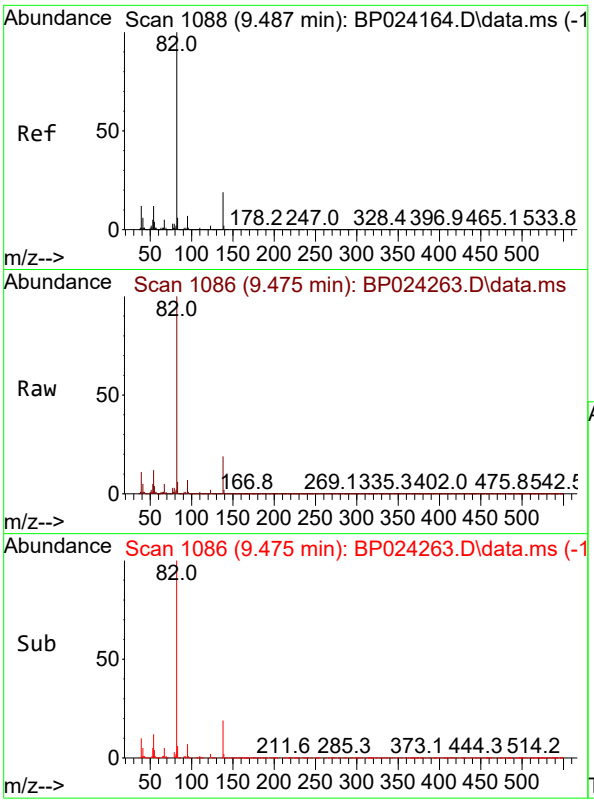


#24
Nitrobenzene
Concen: 52.037 ng
RT: 8.952 min Scan# 997
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 77 Resp: 1002486

Ion	Ratio	Lower	Upper
77	100		
123	48.9	39.4	59.2
65	12.6	9.9	14.9



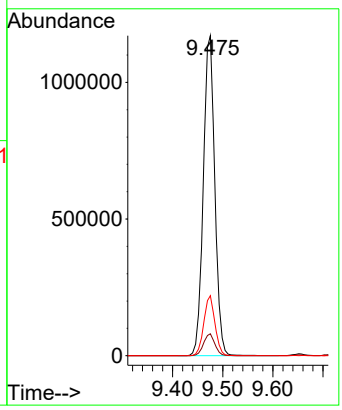


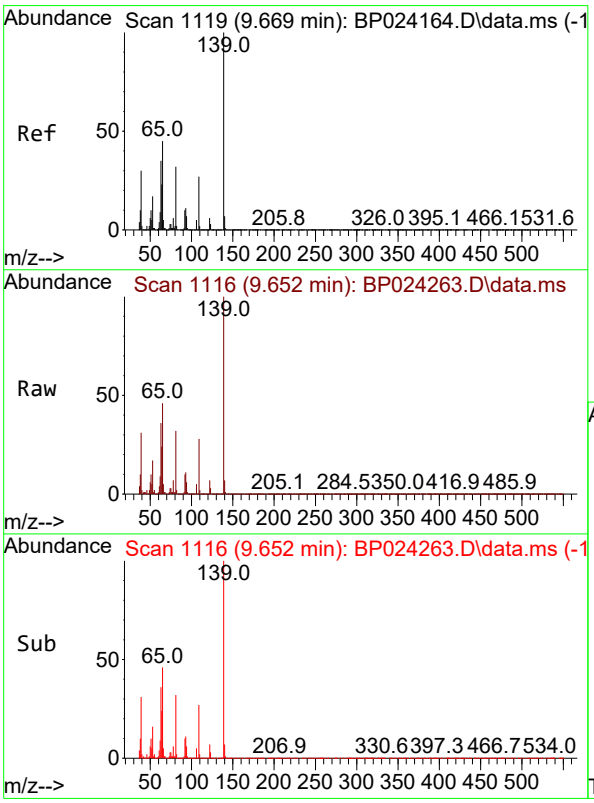
#25
Isophorone
Concen: 55.704 ng
RT: 9.475 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 82 Resp: 1864710

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.8	14.8	22.2

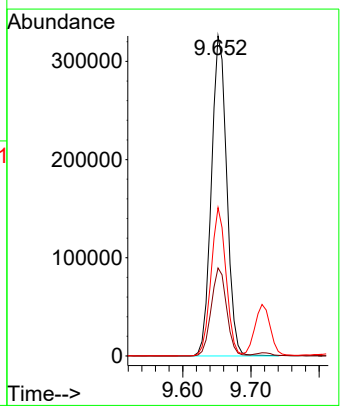


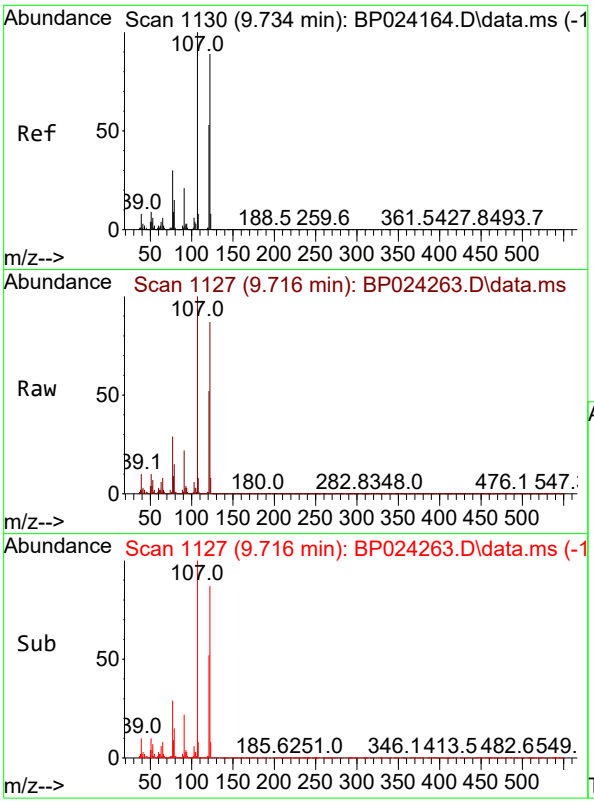


#26
2-Nitrophenol
Concen: 55.387 ng
RT: 9.652 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:139 Resp: 509675

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.7	32.5
65	46.3	35.8	53.8



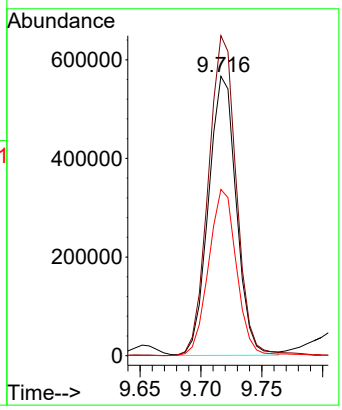


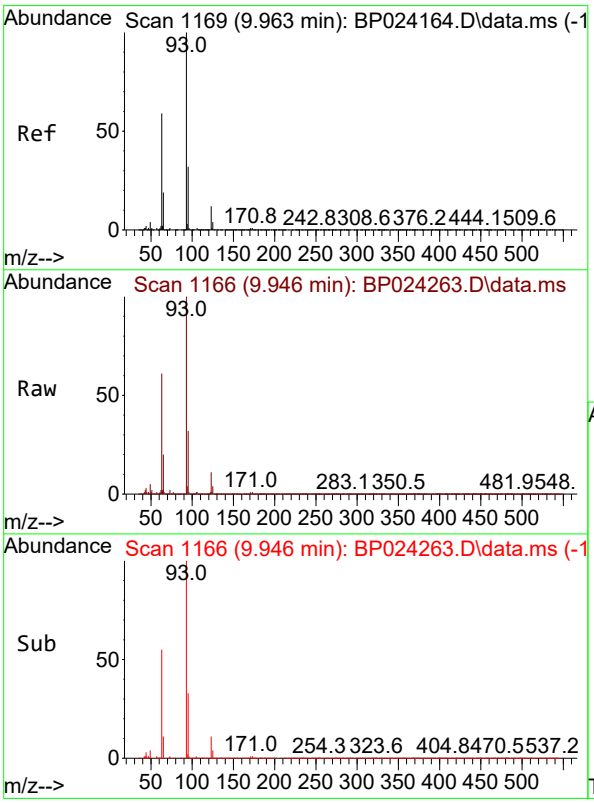
#27
2,4-Dimethylphenol
Concen: 76.080 ng
RT: 9.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:122 Resp: 900234

Ion	Ratio	Lower	Upper
122	100		
107	114.6	89.3	133.9
121	59.5	47.5	71.3

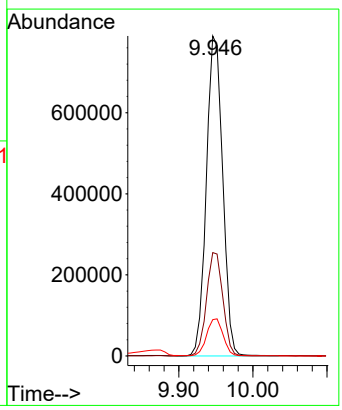


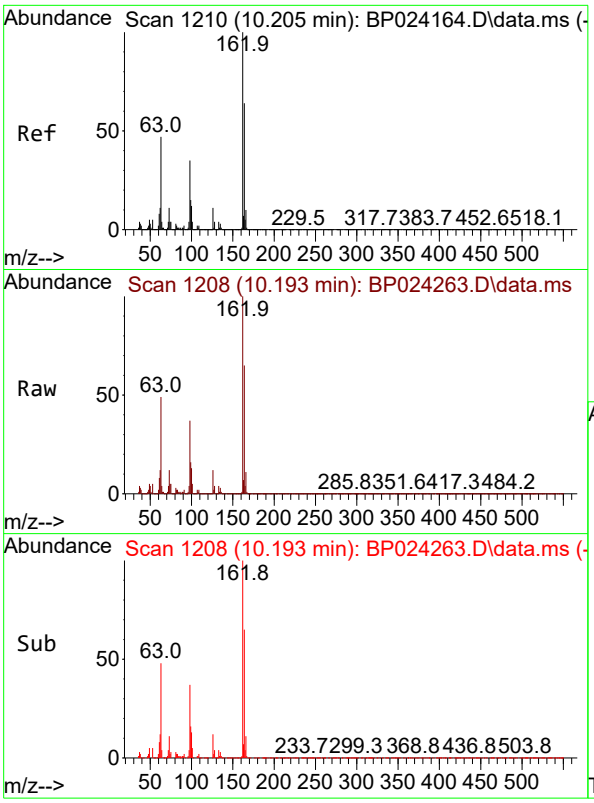


#28
bis(2-Chloroethoxy)methane
Concen: 51.373 ng
RT: 9.946 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 93 Resp: 1209828

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.4	9.5	14.3



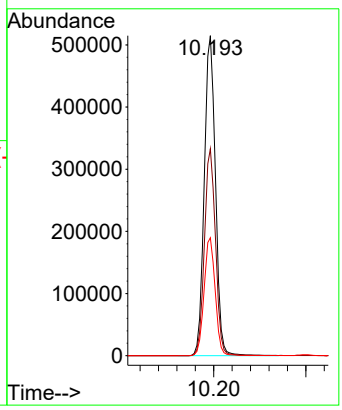


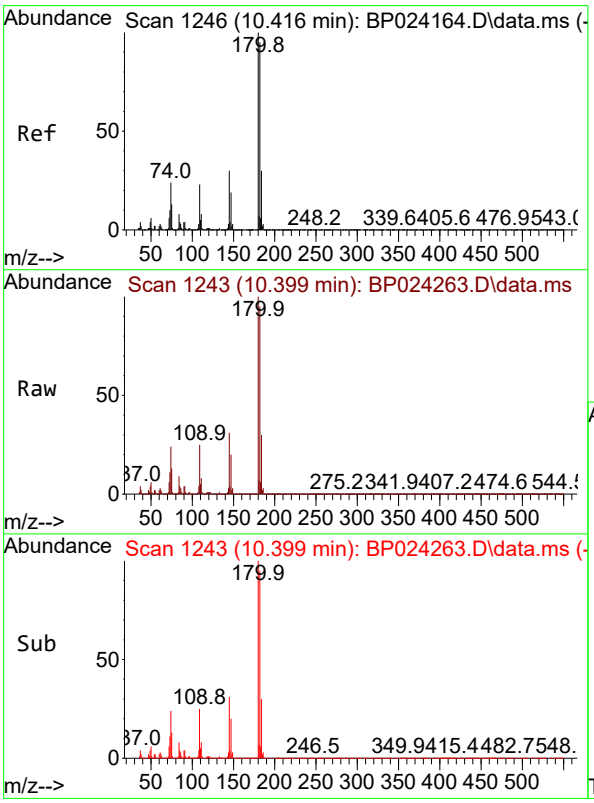
#29
2,4-Dichlorophenol
Concen: 54.525 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:162 Resp: 872786

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.2	84.2
98	36.9	15.1	55.1

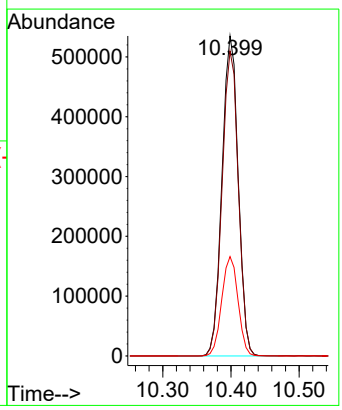


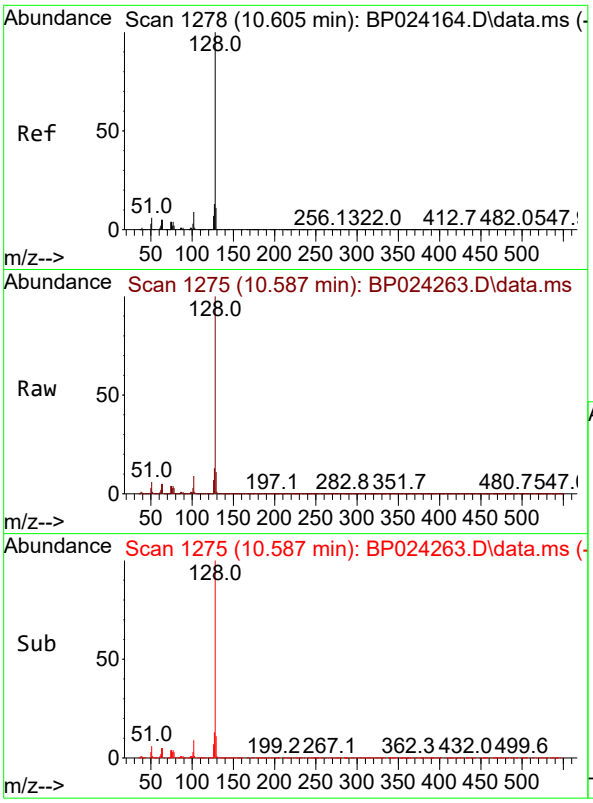


#30
1,2,4-Trichlorobenzene
Concen: 50.073 ng
RT: 10.399 min Scan# 1243
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:180 Resp: 885541

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
145	31.0	24.2	36.2



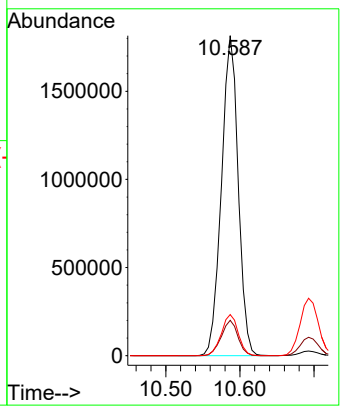


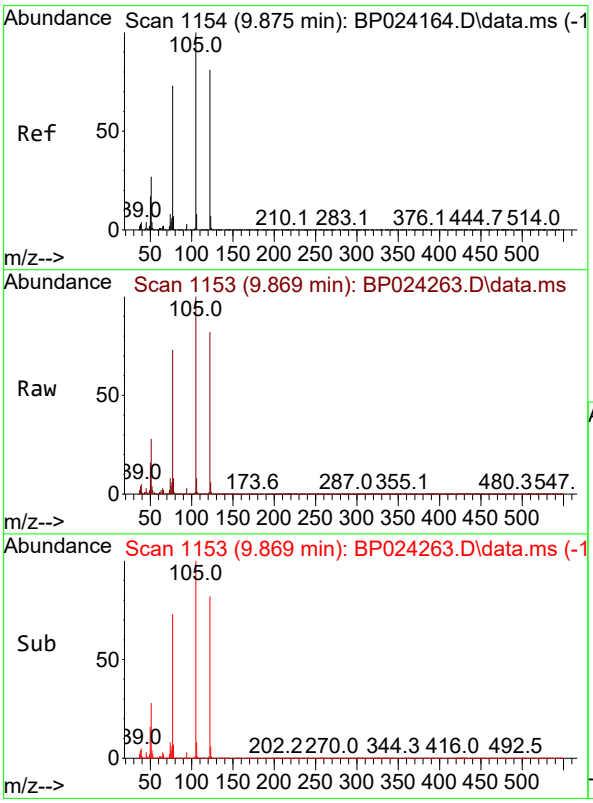
#31
Naphthalene
Concen: 48.745 ng
RT: 10.587 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:128 Resp: 2846994

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.9	10.4	15.6

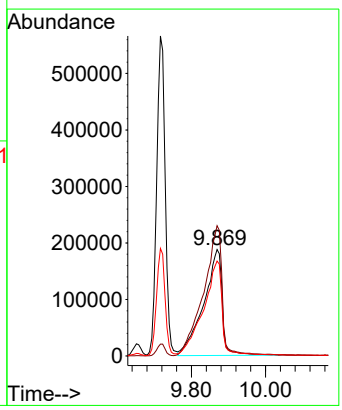


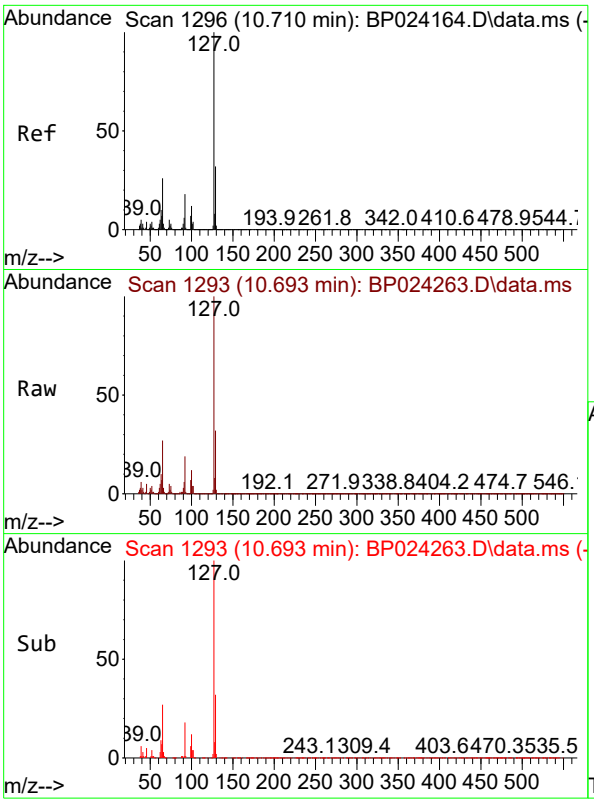


#32
Benzoic acid
Concen: 56.649 ng
RT: 9.869 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:122 Resp: 653738

Ion	Ratio	Lower	Upper
122	100		
105	122.4	100.3	140.3
77	89.1	69.1	109.1



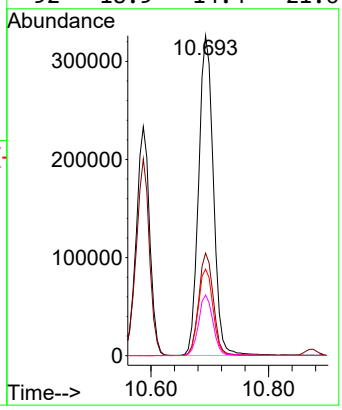


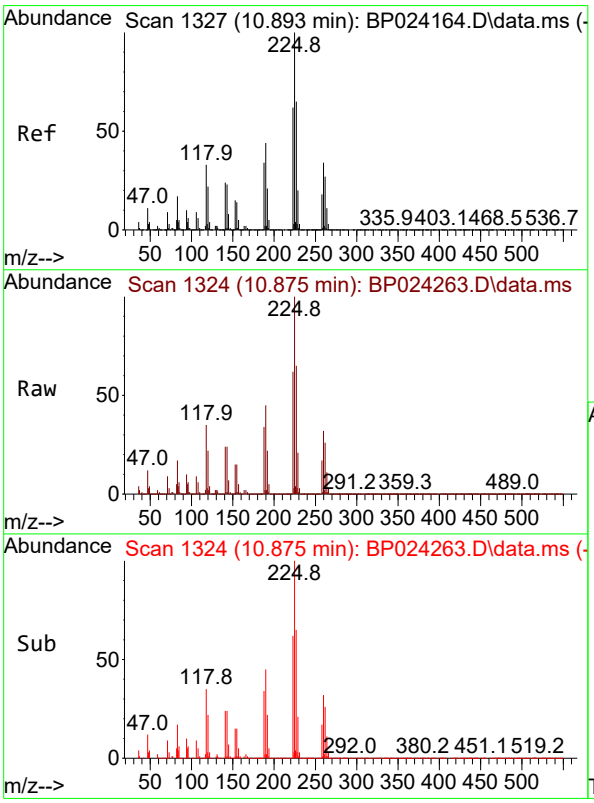
#33
4-Chloroaniline
Concen: 27.154 ng
RT: 10.693 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:127 Resp: 567563

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	27.0	21.2	31.8
92	18.9	14.4	21.6

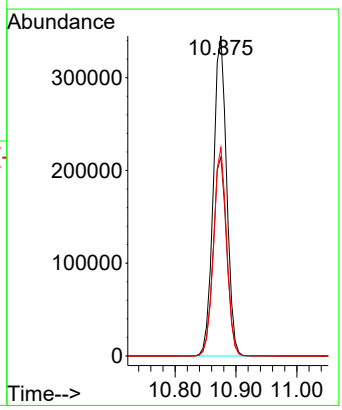


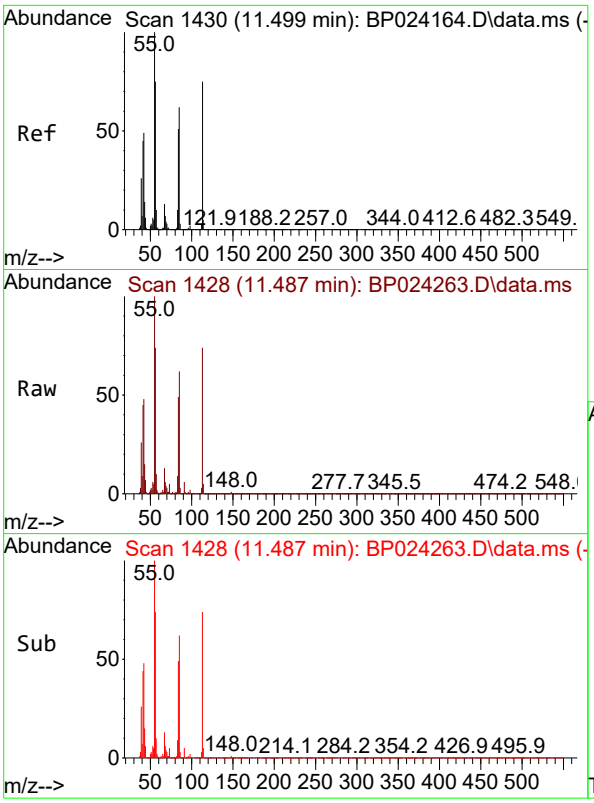


#34
Hexachlorobutadiene
Concen: 51.094 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:225 Resp: 520040

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	65.2	52.2	78.2



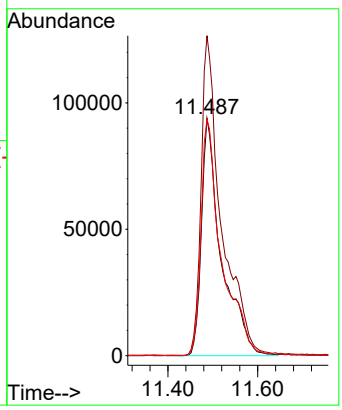


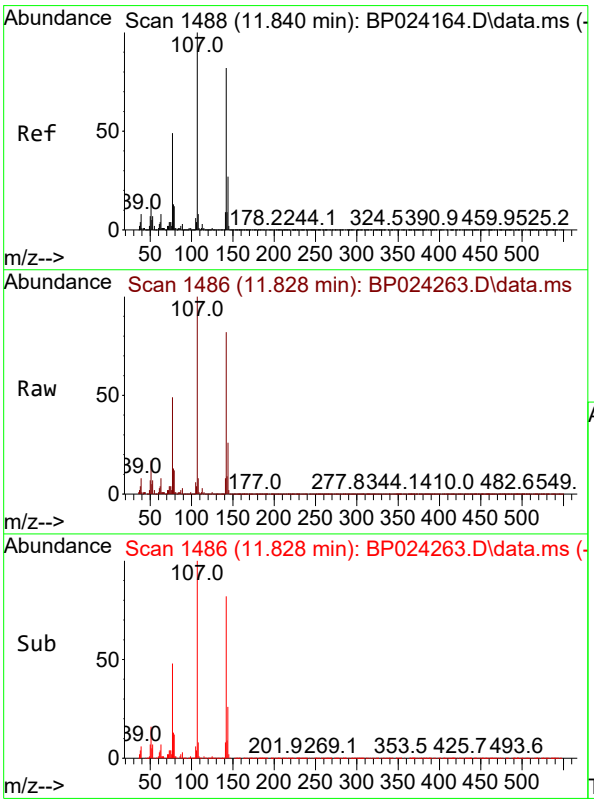
#35
Caprolactam
Concen: 55.163 ng
RT: 11.487 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:113 Resp: 289393

Ion	Ratio	Lower	Upper
113	100		
55	134.9	113.6	153.6
56	99.6	80.0	120.0

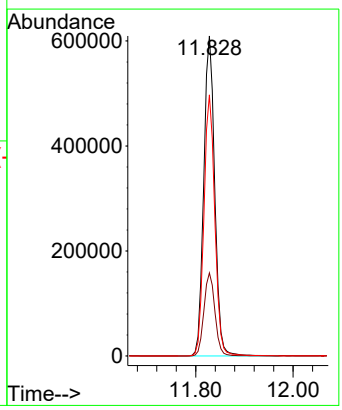


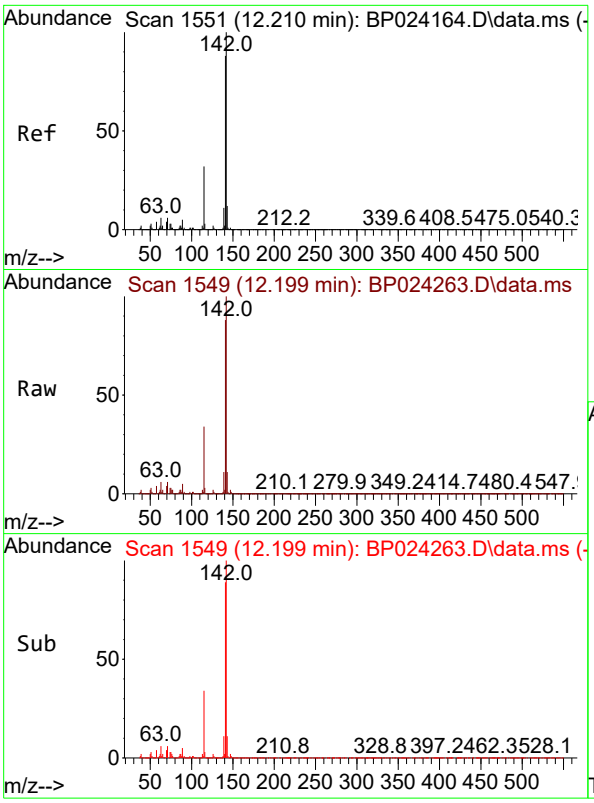


#36
4-Chloro-3-methylphenol
Concen: 54.958 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:107 Resp: 949008

Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.6	32.4
142	81.6	65.4	98.0



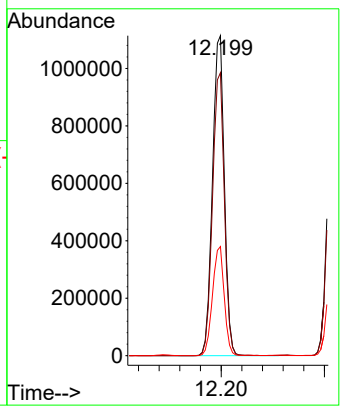


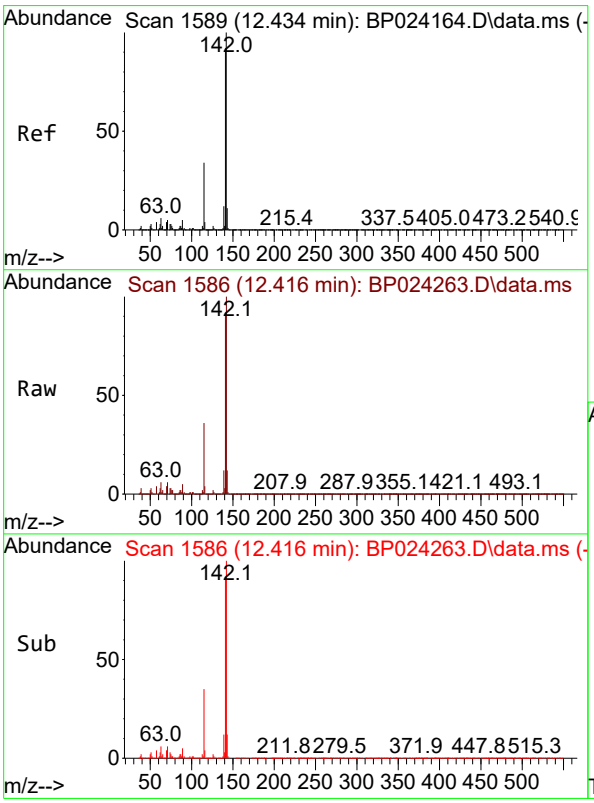
#37
2-Methylnaphthalene
Concen: 44.814 ng
RT: 12.199 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:142 Resp: 1768232

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.1	26.0	39.0

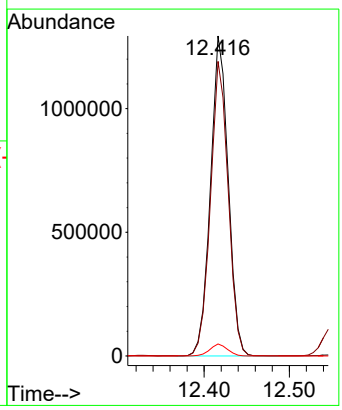


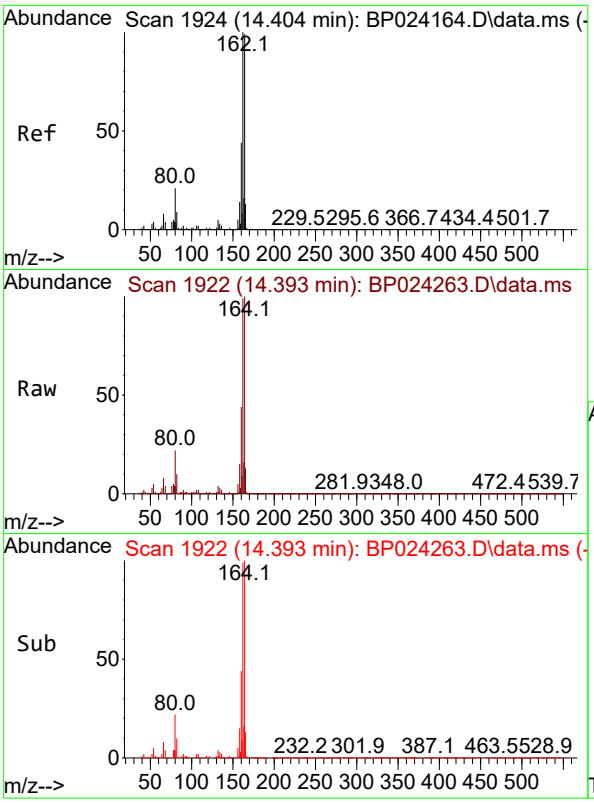


#38
1-Methylnaphthalene
Concen: 48.796 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:142 Resp: 1872679

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.9	110.9
116	3.7	2.8	4.2



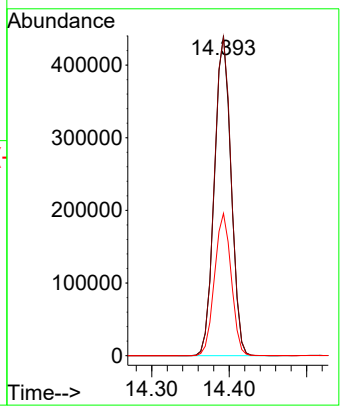


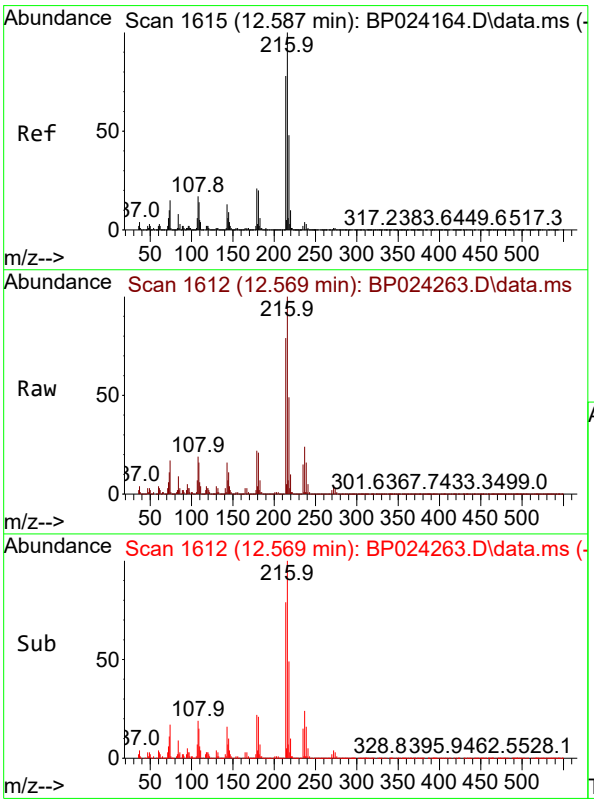
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:164 Resp: 656088

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	44.4	35.4	53.2

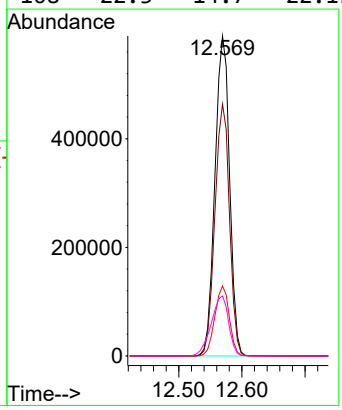


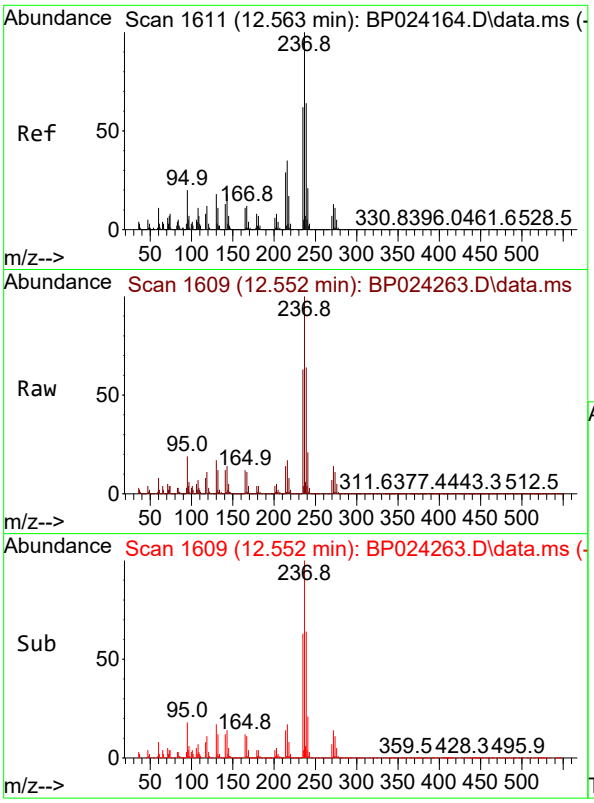


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.926 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:216 Resp: 946884

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	21.7	16.8	25.2
108	22.3	14.7	22.1#



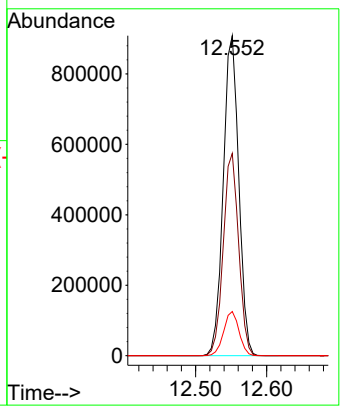


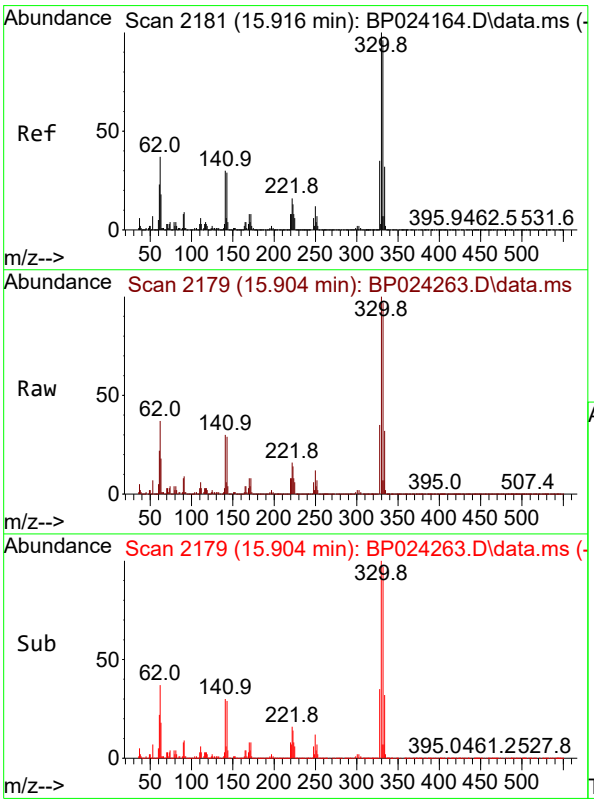
#41
Hexachlorocyclopentadiene
Concen: 200.543 ng
RT: 12.552 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:237 Resp: 1371000

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.8	81.8
272	13.8	0.0	33.5

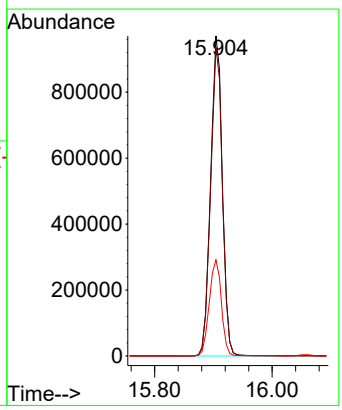


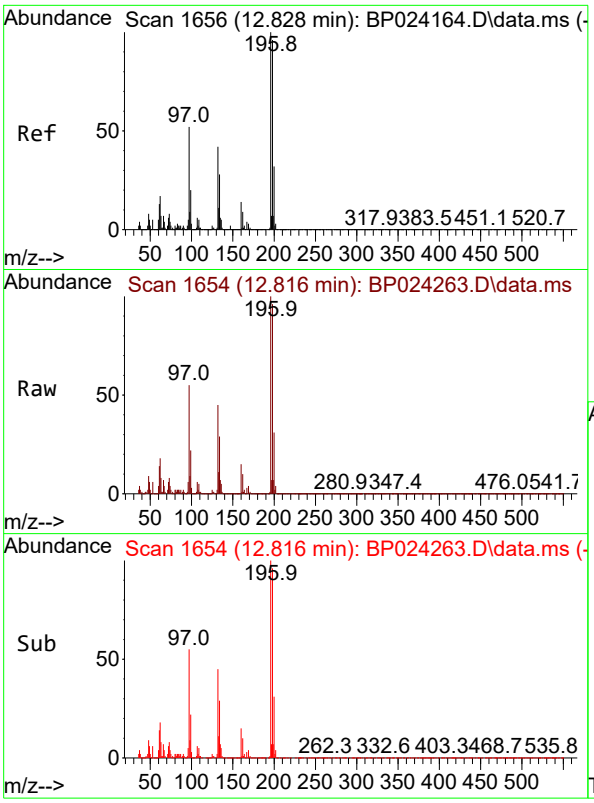


#42
2,4,6-Tribromophenol
Concen: 162.502 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:330 Resp: 1342960

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	30.9	25.0	37.6



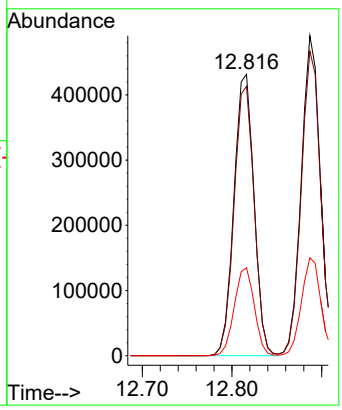


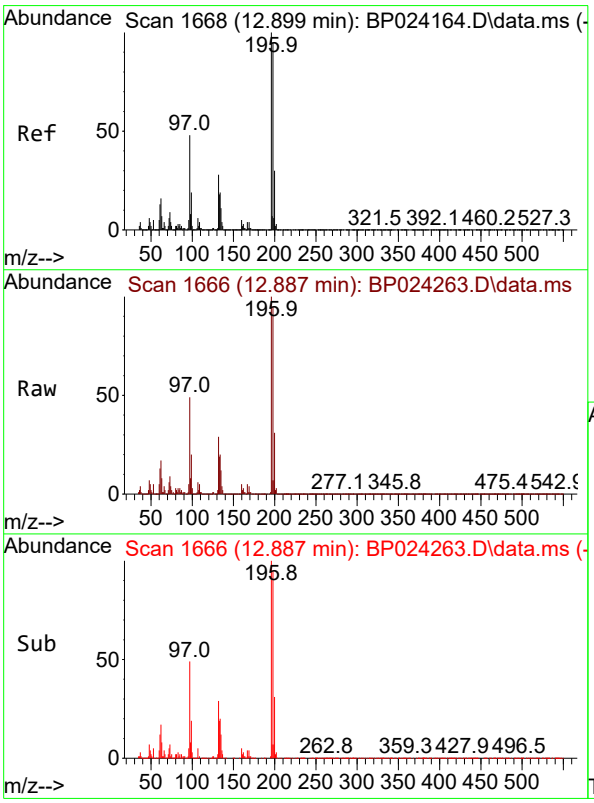
#43
2,4,6-Trichlorophenol
Concen: 55.732 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:196 Resp: 671738

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	115.0
200	31.2	25.4	38.0

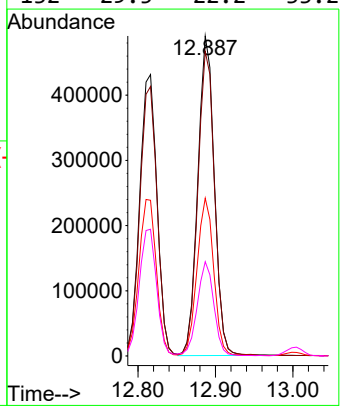


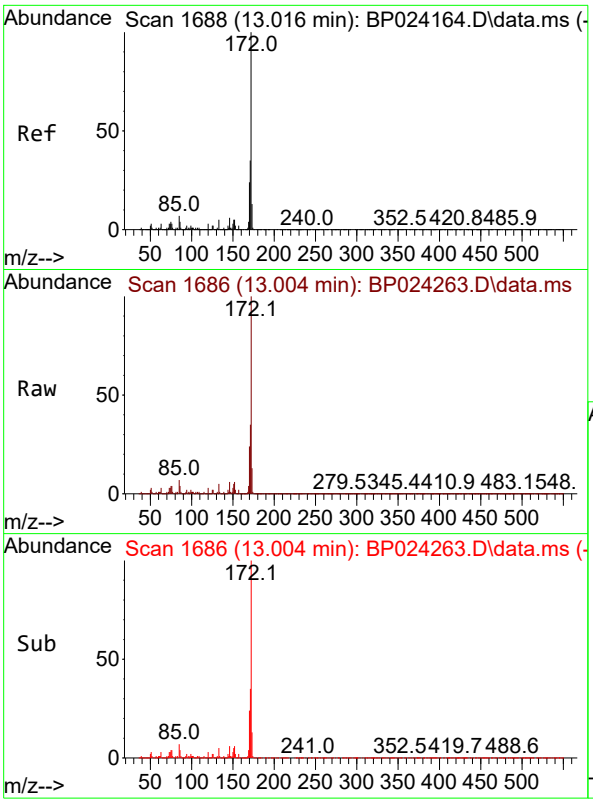


#44
2,4,5-Trichlorophenol
Concen: 55.009 ng
RT: 12.887 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:196 Resp: 727122

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.5	114.7
97	49.3	38.7	58.1
132	29.5	22.2	33.2



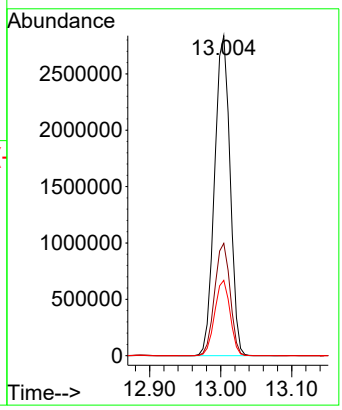


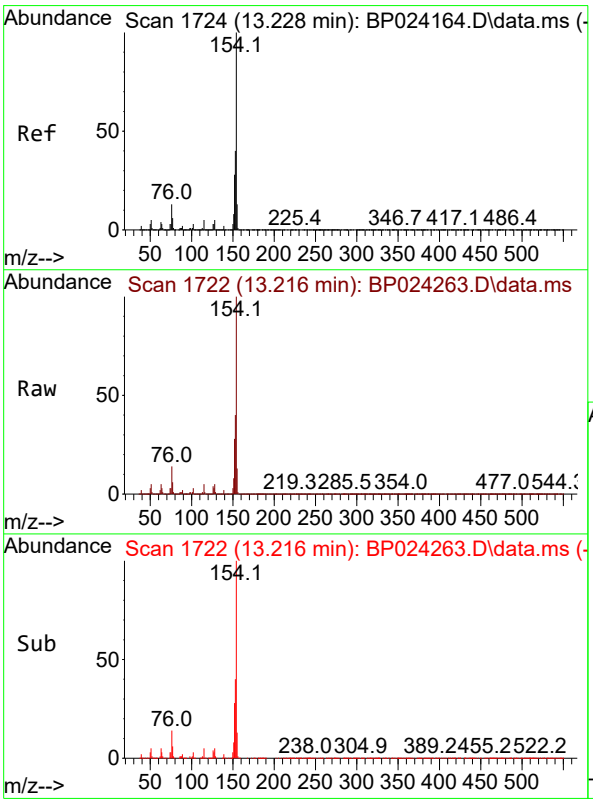
#45
2-Fluorobiphenyl
Concen: 96.600 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:172 Resp: 4298219

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.5	19.0	28.4

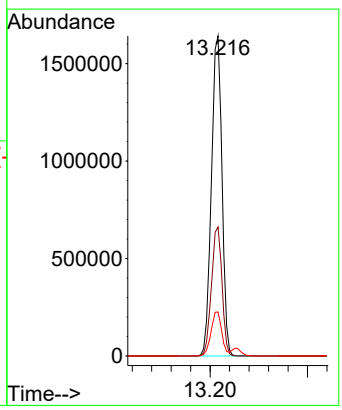


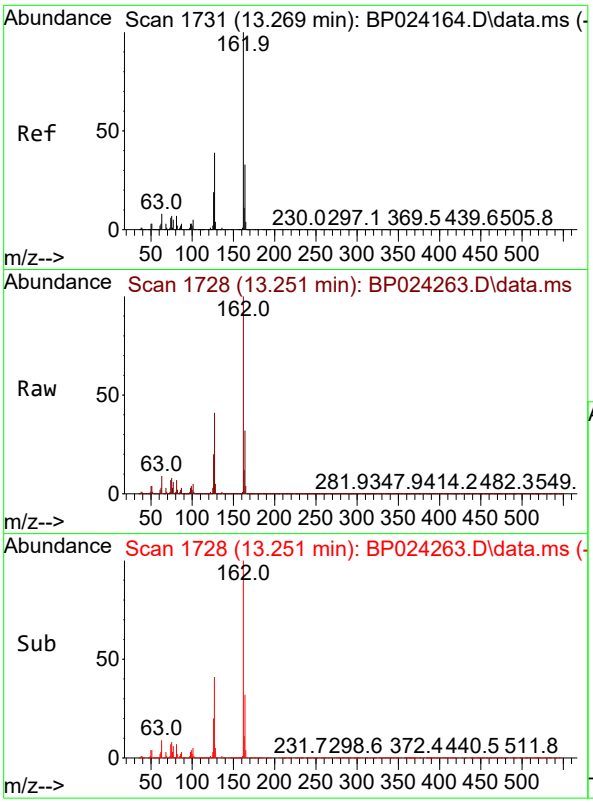


#46
1,1'-Biphenyl
Concen: 49.855 ng
RT: 13.216 min Scan# 1722
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:154 Resp: 2457964

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.8	0.0	32.9



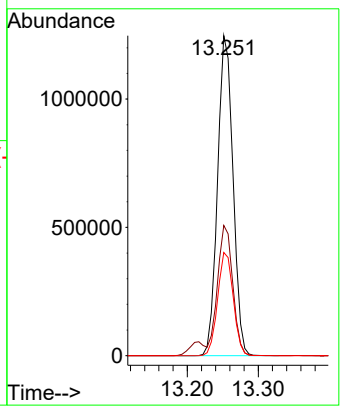


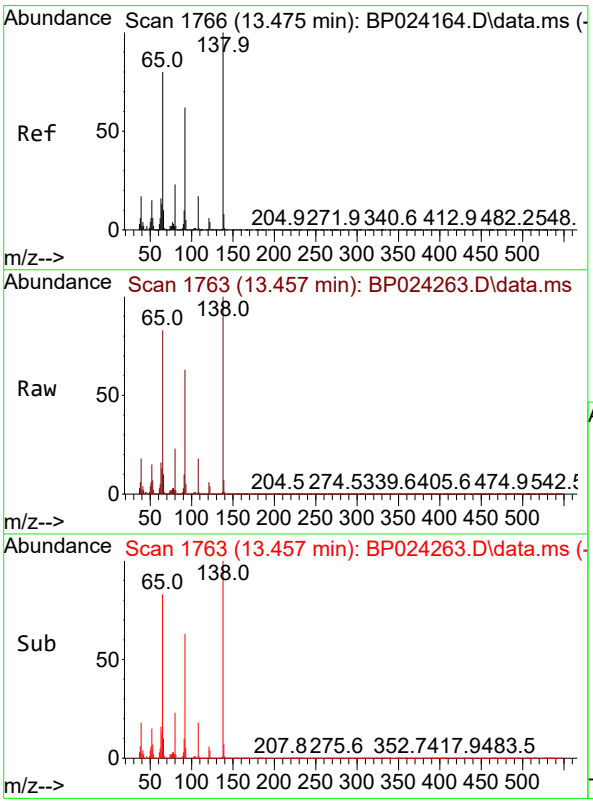
#47
2-Chloronaphthalene
Concen: 50.547 ng
RT: 13.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:162 Resp: 1874459

Ion	Ratio	Lower	Upper
162	100		
127	40.7	31.5	47.3
164	32.3	26.6	39.8

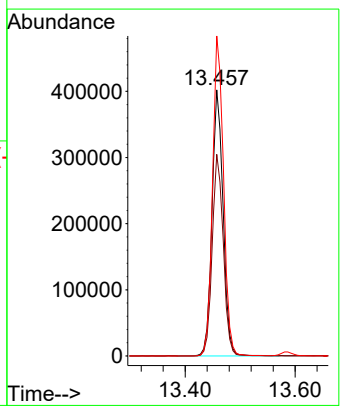


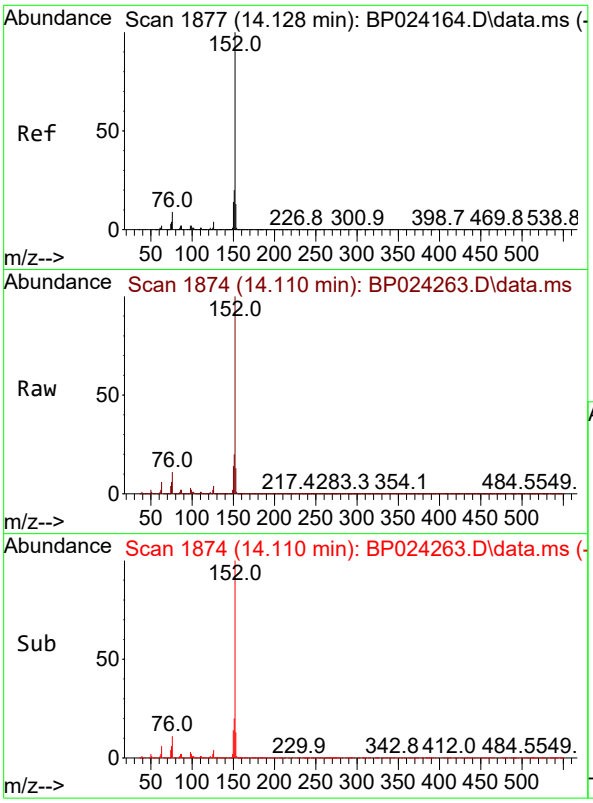


#48
2-Nitroaniline
Concen: 59.347 ng
RT: 13.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion: 65 Resp: 562905

Ion	Ratio	Lower	Upper
65	100		
92	75.8	62.1	93.1
138	120.3	99.5	149.3



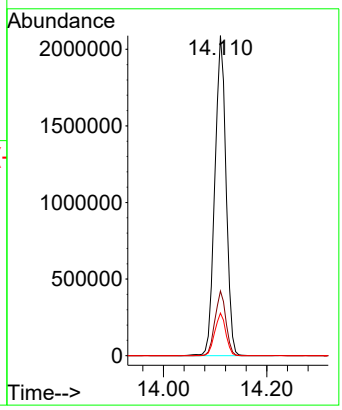


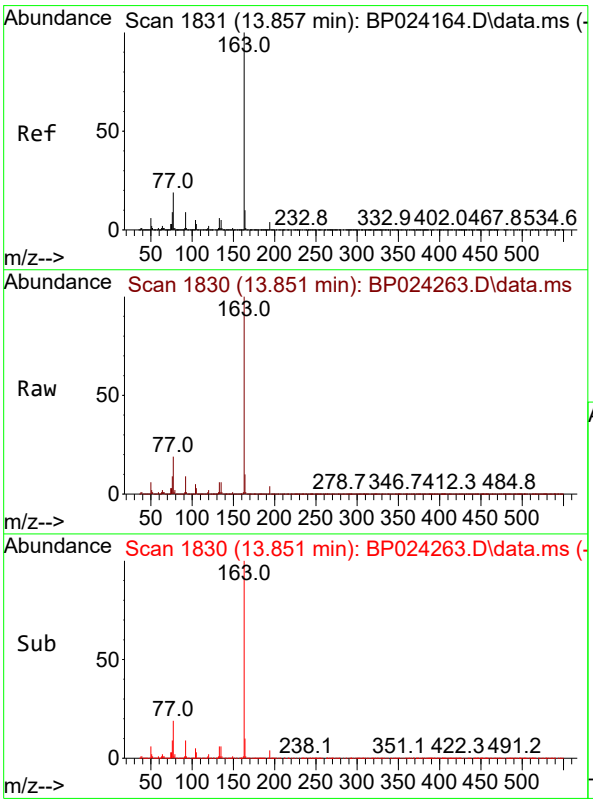
#49
Acenaphthylene
Concen: 55.892 ng
RT: 14.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:152 Resp: 3136174

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.6	15.8

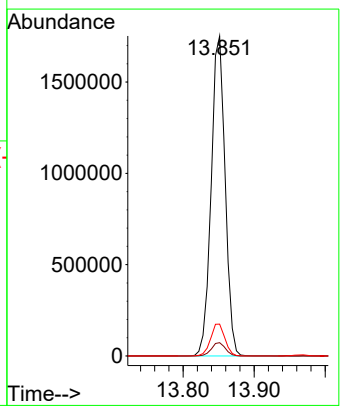


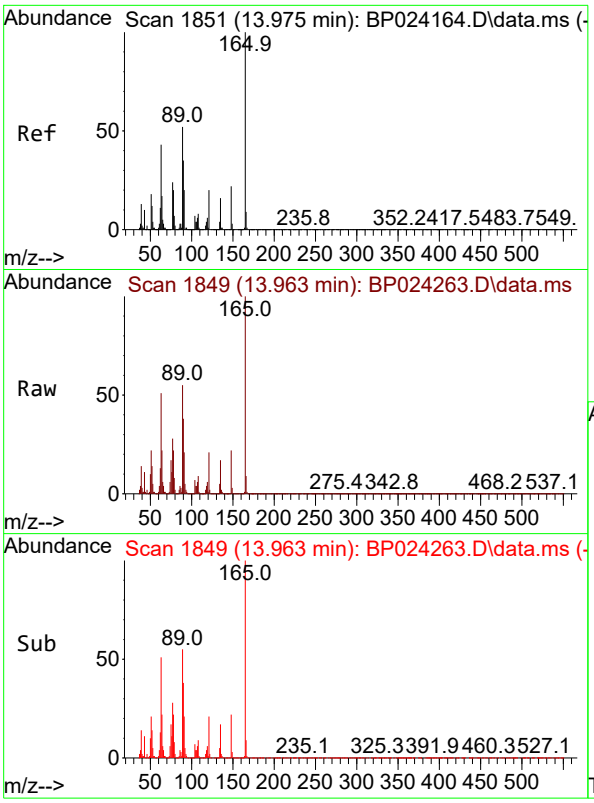


#50
Dimethylphthalate
Concen: 52.092 ng
RT: 13.851 min Scan# 1830
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:163 Resp: 2391418

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.2	12.4



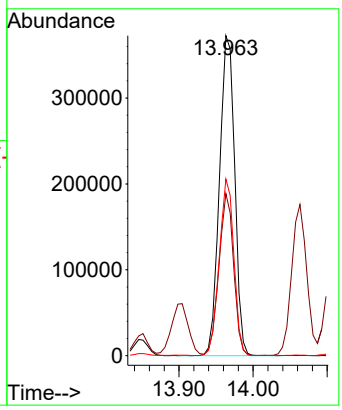


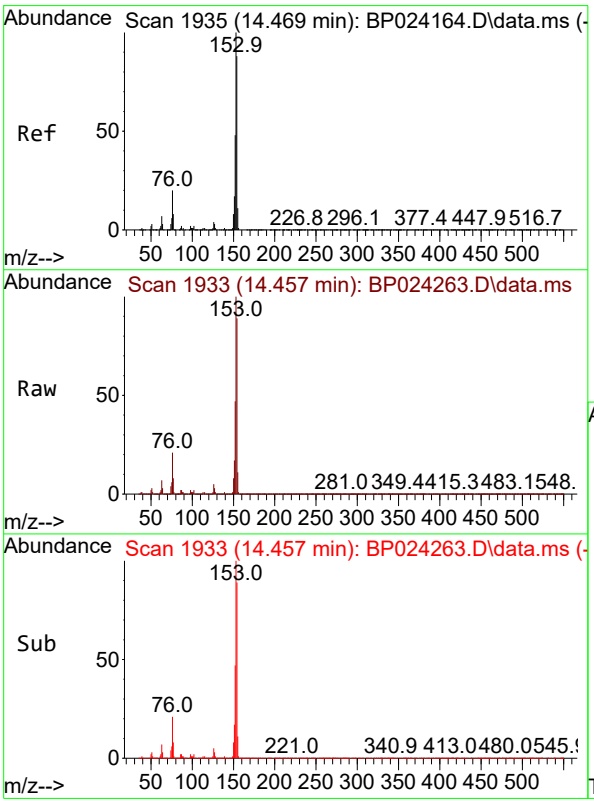
#51
2,6-Dinitrotoluene
Concen: 55.124 ng
RT: 13.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:165 Resp: 532455

Ion	Ratio	Lower	Upper
165	100		
63	50.7	37.7	56.5
89	55.2	41.9	62.9

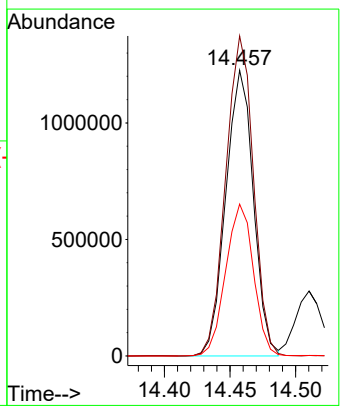


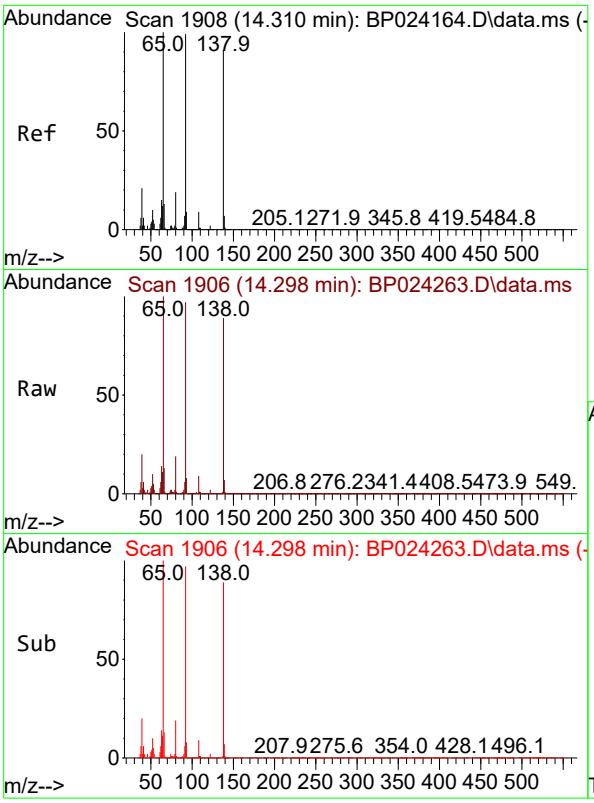


#52
Acenaphthene
Concen: 50.101 ng
RT: 14.457 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:154 Resp: 1796188

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.5	135.7
152	53.2	43.1	64.7



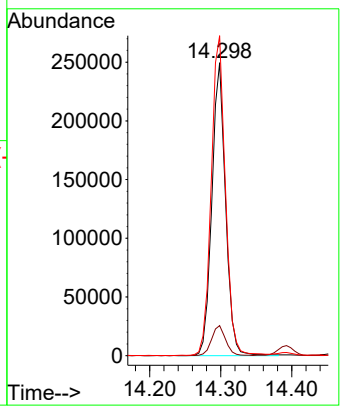


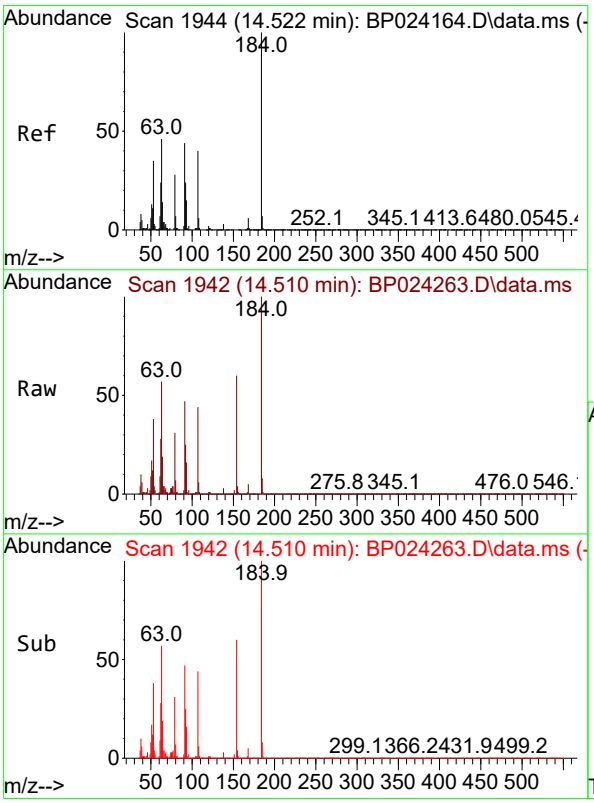
#53
3-Nitroaniline
Concen: 32.007 ng
RT: 14.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:138 Resp: 333914

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.2	12.2
92	109.2	86.7	130.1

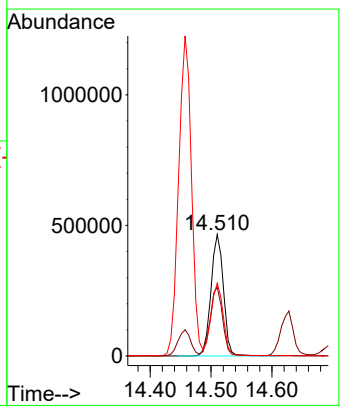


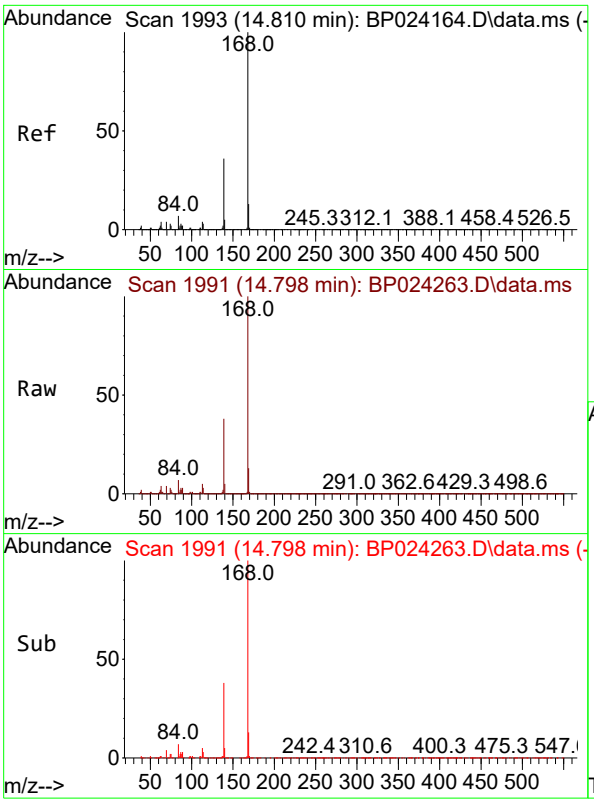


#54
2,4-Dinitrophenol
Concen: 129.718 ng
RT: 14.510 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:184 Resp: 662987

Ion	Ratio	Lower	Upper
184	100		
63	56.9	42.1	63.1
154	59.9	44.6	67.0



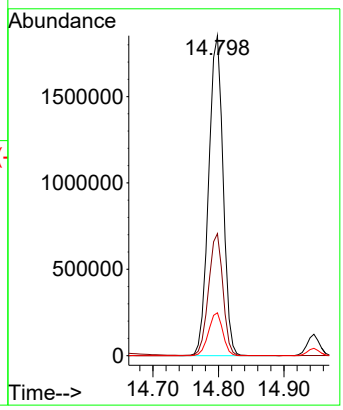


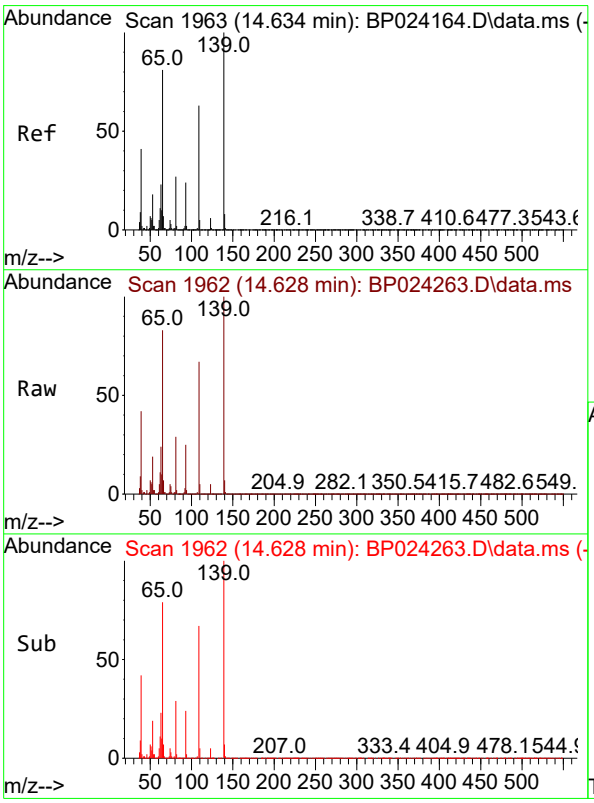
#55
Dibenzofuran
Concen: 48.764 ng
RT: 14.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:168 Resp: 2831843

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.1	43.7
169	13.4	10.8	16.2

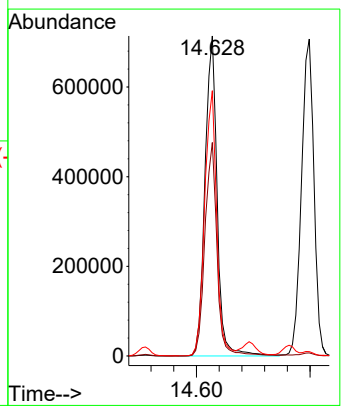


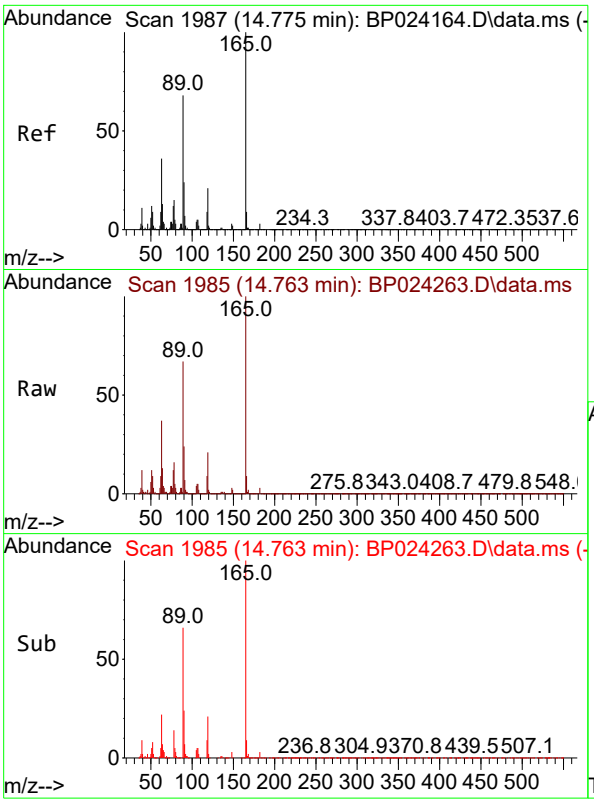


#56
4-Nitrophenol
Concen: 121.289 ng
RT: 14.628 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:139 Resp: 1057300

Ion	Ratio	Lower	Upper
139	100		
109	66.7	43.3	83.3
65	82.9	61.2	101.2



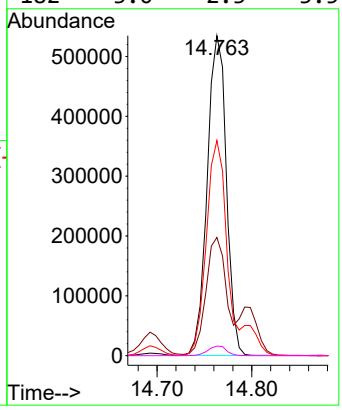


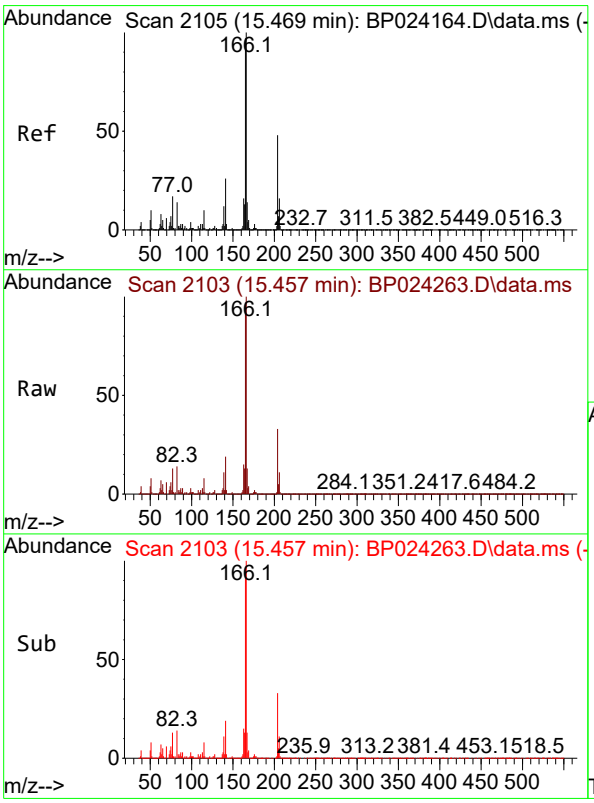
#57
2,4-Dinitrotoluene
Concen: 58.737 ng
RT: 14.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:165 Resp: 749419

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	67.3	54.2	81.4
182	3.0	2.3	3.5

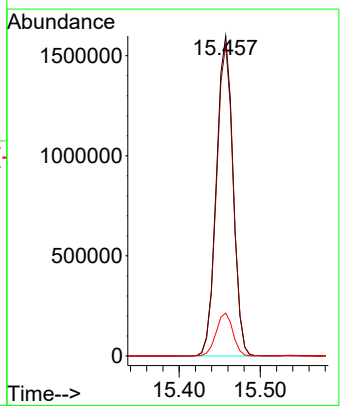


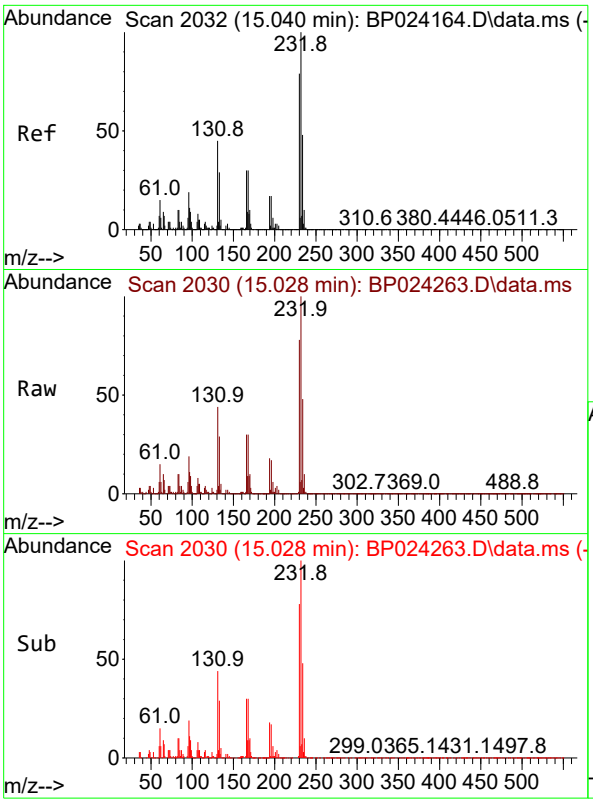


#58
Fluorene
Concen: 50.421 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:166 Resp: 2281360

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.6	116.4
167	13.4	10.8	16.2



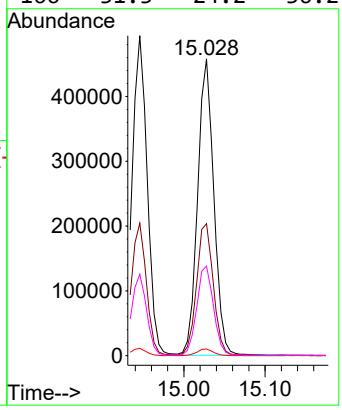


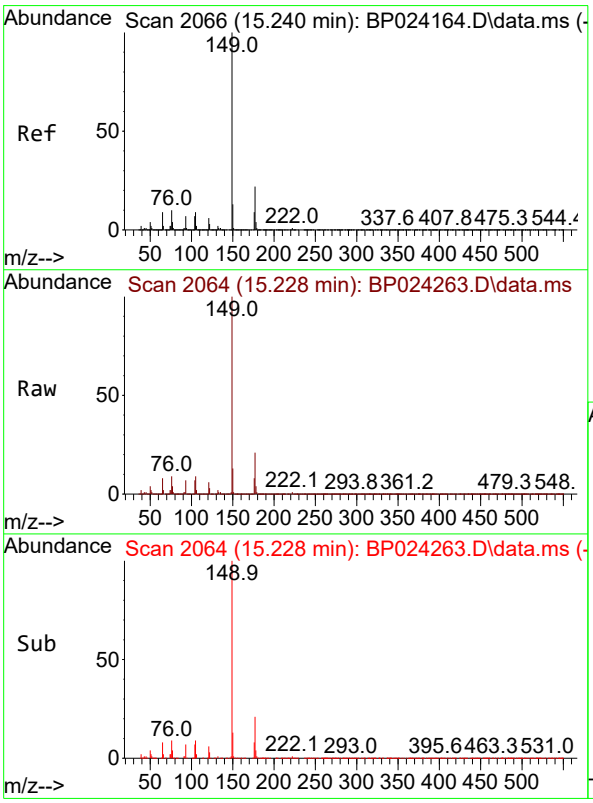
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.328 ng
RT: 15.028 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:232 Resp: 634464

Ion	Ratio	Lower	Upper
232	100		
131	46.1	35.9	53.9
130	2.3	1.8	2.6
166	31.3	24.2	36.2

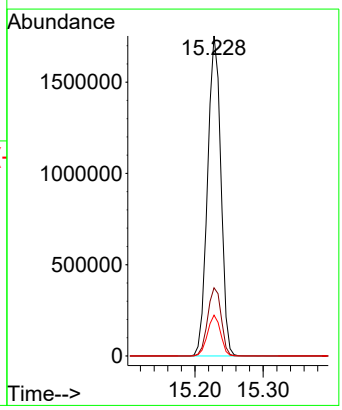


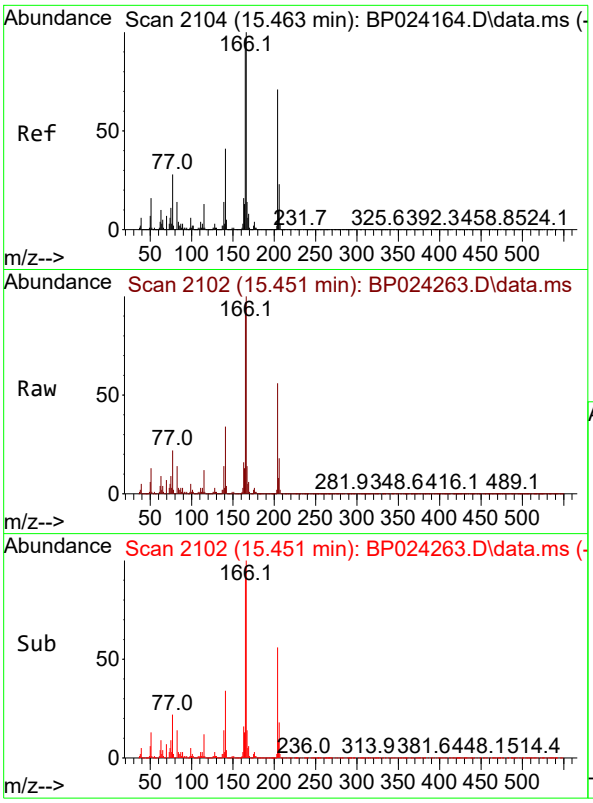


#60
Diethylphthalate
Concen: 52.001 ng
RT: 15.228 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:149 Resp: 2377275

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.7	26.5
150	12.8	10.2	15.4



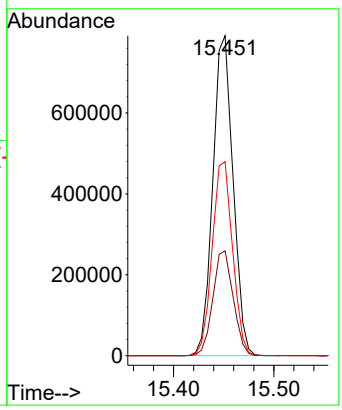


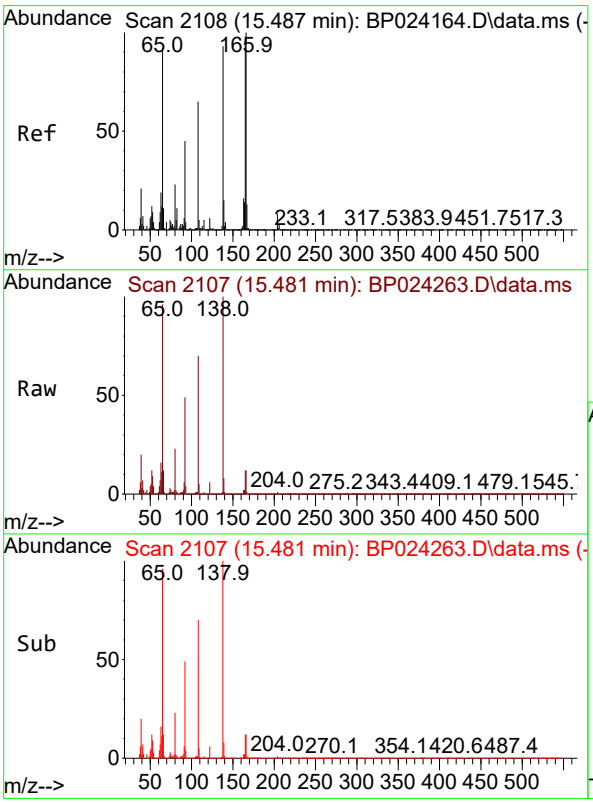
#61
4-Chlorophenyl-phenylether
Concen: 49.888 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:204 Resp: 1107114

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	60.7	45.8	68.8

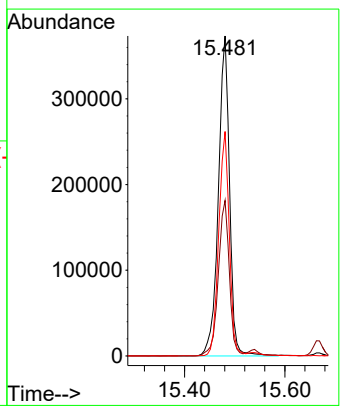


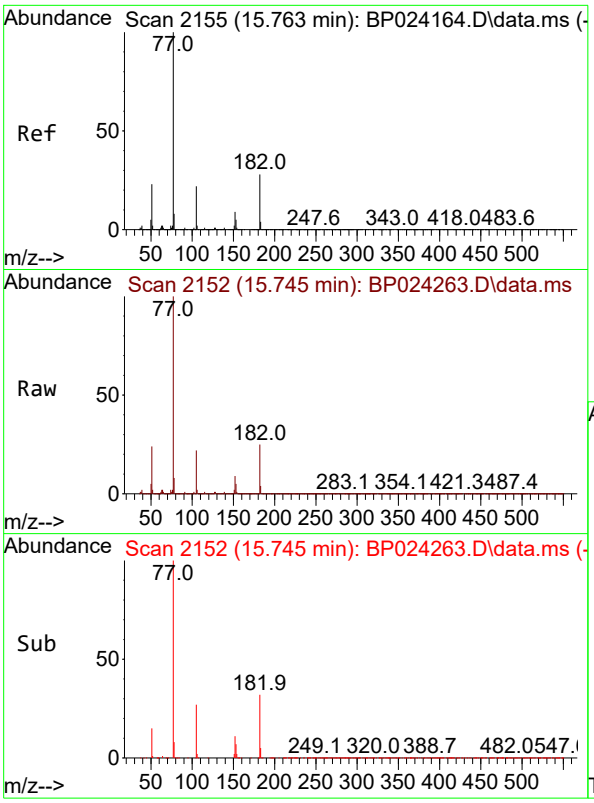


#62
4-Nitroaniline
Concen: 53.002 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:138 Resp: 579936

Ion	Ratio	Lower	Upper
138	100		
92	48.6	28.7	68.7
108	70.2	49.5	89.5



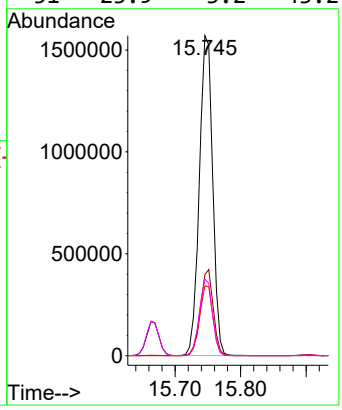


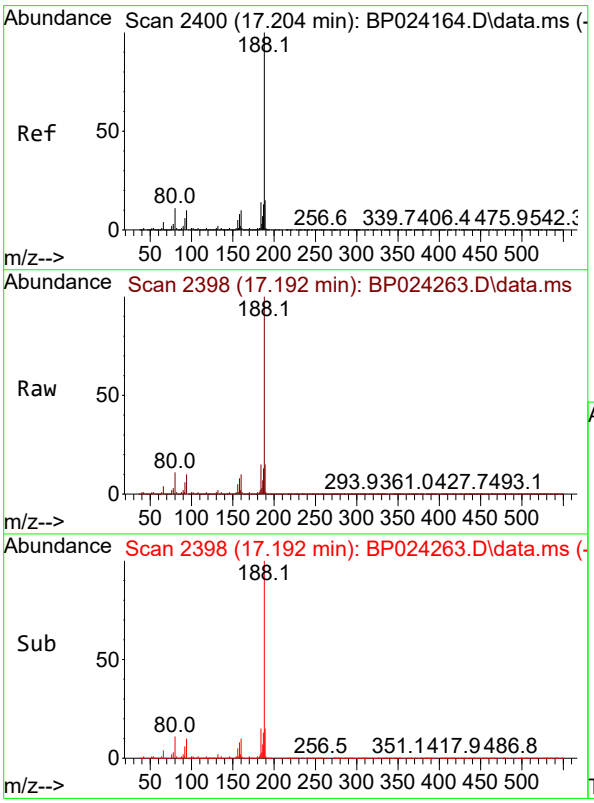
#63
Azobenzene
Concen: 51.596 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion: 77 Resp: 2223203

Ion	Ratio	Lower	Upper
77	100		
182	25.4	7.7	47.7
105	21.8	2.3	42.3
51	23.9	3.2	43.2

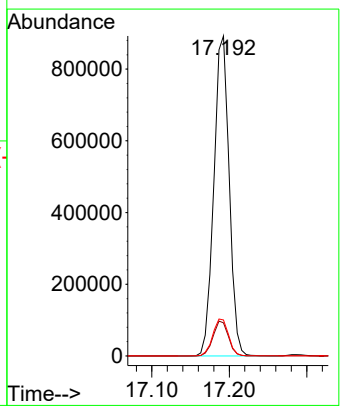


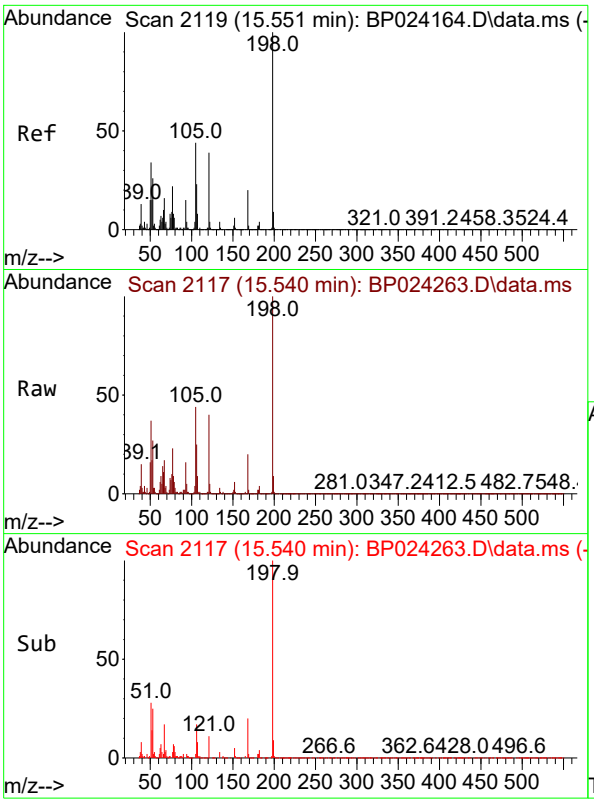


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:188 Resp: 1225951

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.3	8.9	13.3



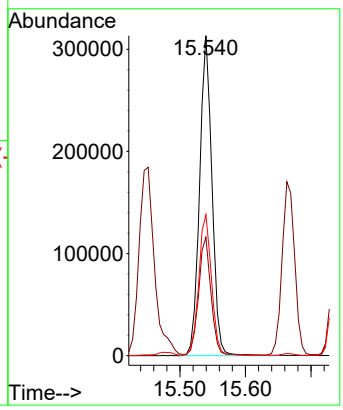


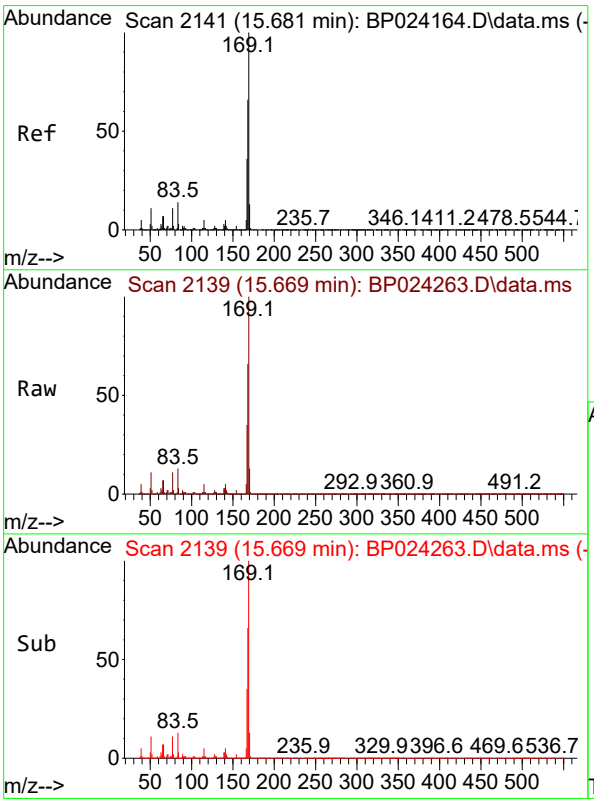
#65
4,6-Dinitro-2-methylphenol
Concen: 56.560 ng
RT: 15.540 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:198 Resp: 411643

Ion	Ratio	Lower	Upper
198	100		
51	37.0	14.7	54.7
105	44.1	23.8	63.8

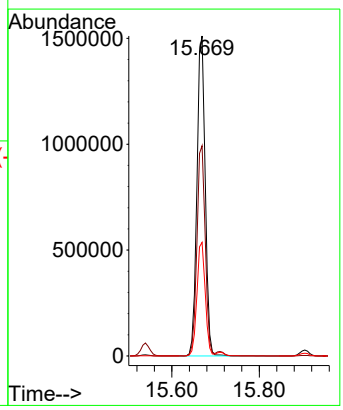


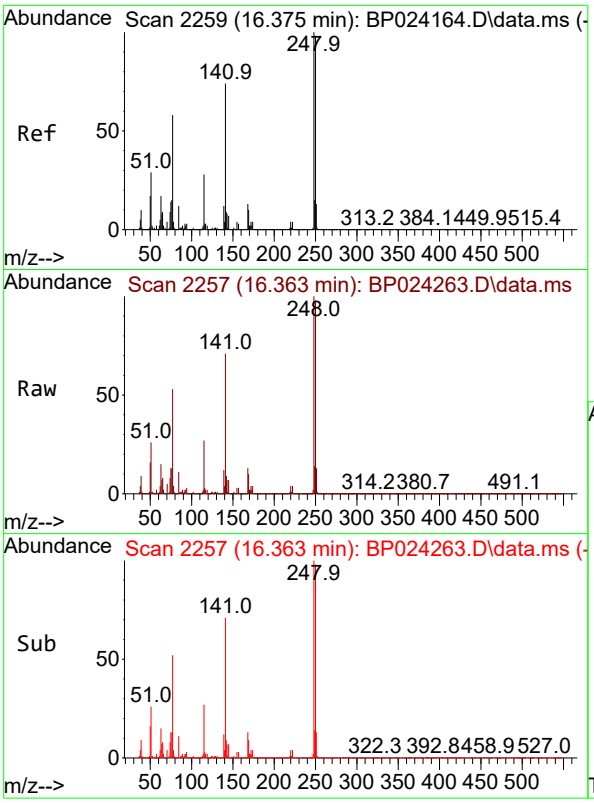


#66
n-Nitrosodiphenylamine
Concen: 53.546 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:169 Resp: 1993415

Ion	Ratio	Lower	Upper
169	100		
168	65.7	52.9	79.3
167	35.5	28.8	43.2



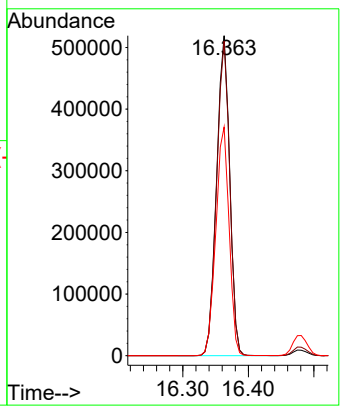


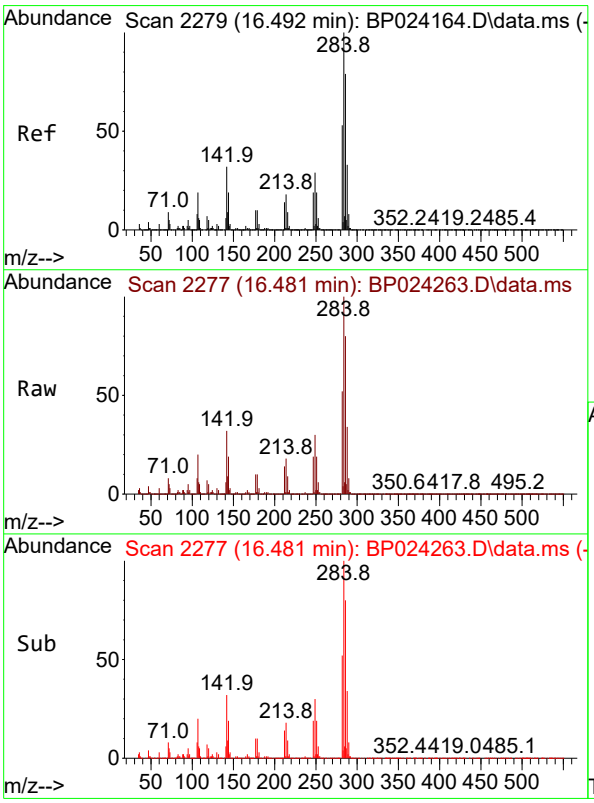
#67
4-Bromophenyl-phenylether
Concen: 53.572 ng
RT: 16.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:248 Resp: 721071

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.4	117.6
141	71.5	59.4	89.0

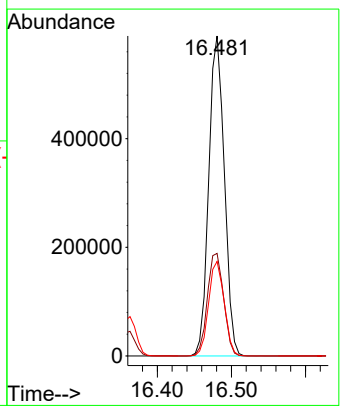


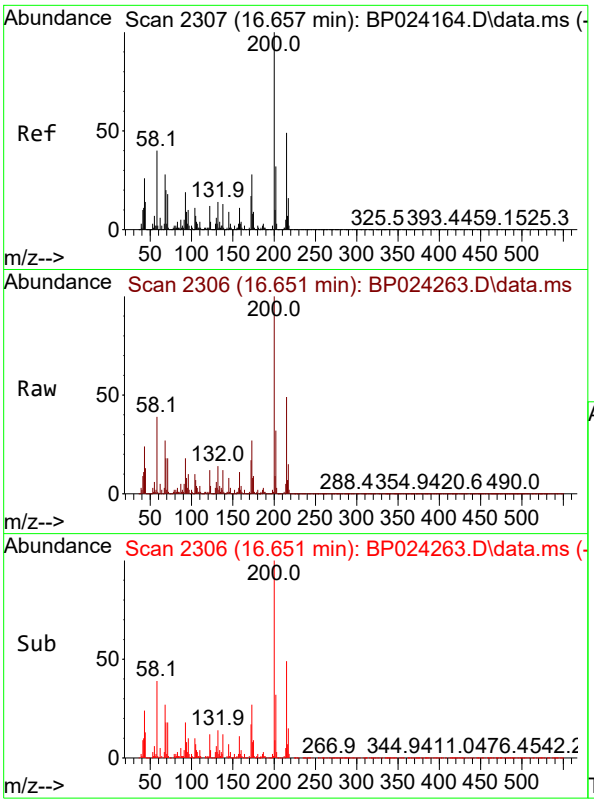


#68
Hexachlorobenzene
Concen: 54.007 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:284 Resp: 860387

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.4	38.2
249	29.6	23.5	35.3



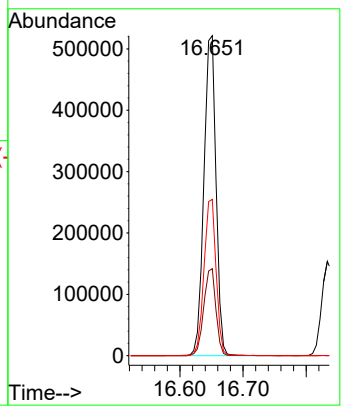


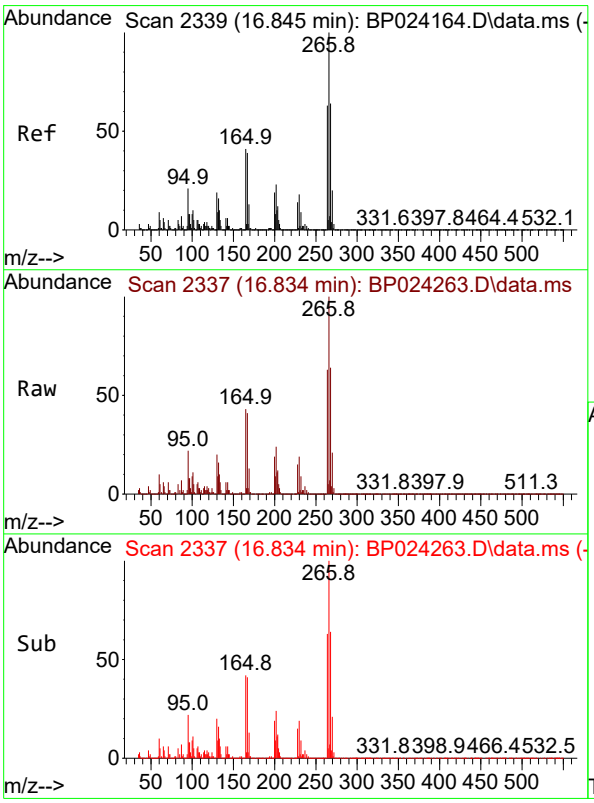
#69
Atrazine
Concen: 77.398 ng
RT: 16.651 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:200 Resp: 695468

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.6	47.6
215	48.9	29.0	69.0

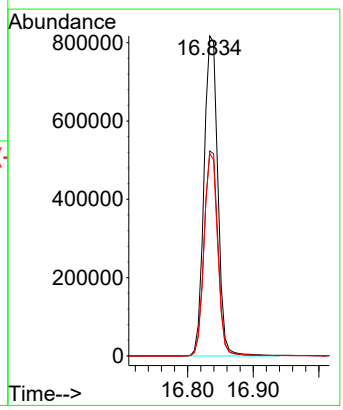


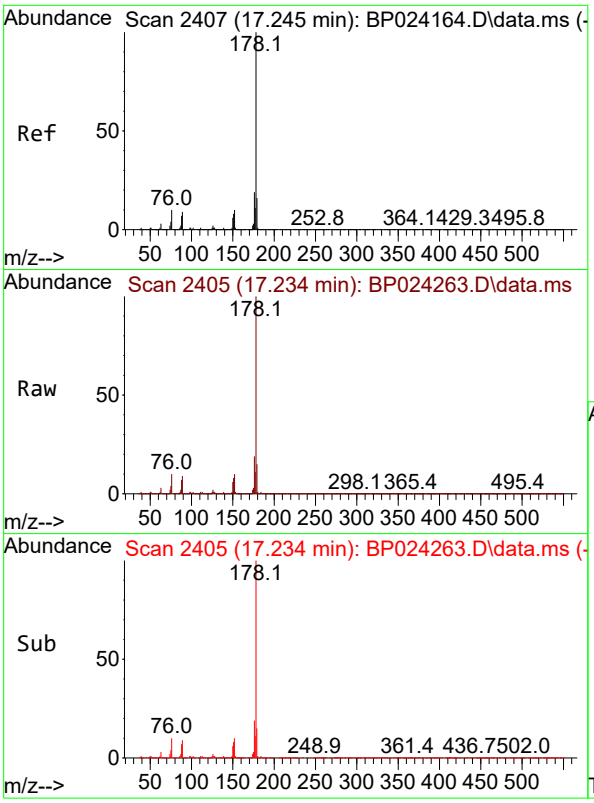


#70
Pentachlorophenol
Concen: 116.339 ng
RT: 16.834 min Scan# 2337
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:266 Resp: 1198571

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	63.3	50.6	76.0



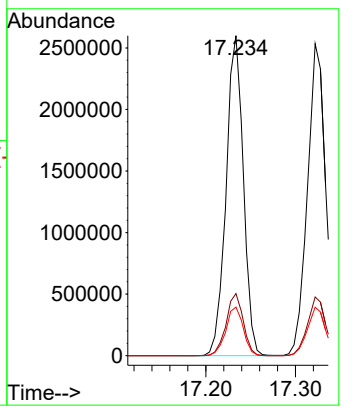


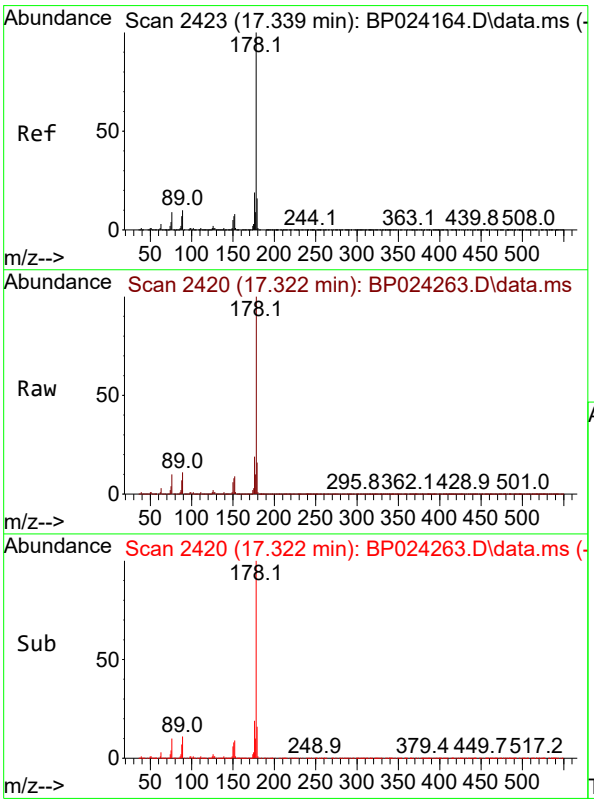
#71
Phenanthrene
Concen: 51.903 ng
RT: 17.234 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:178 Resp: 3476139

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.5	18.7

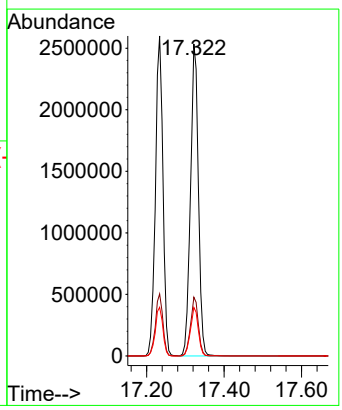


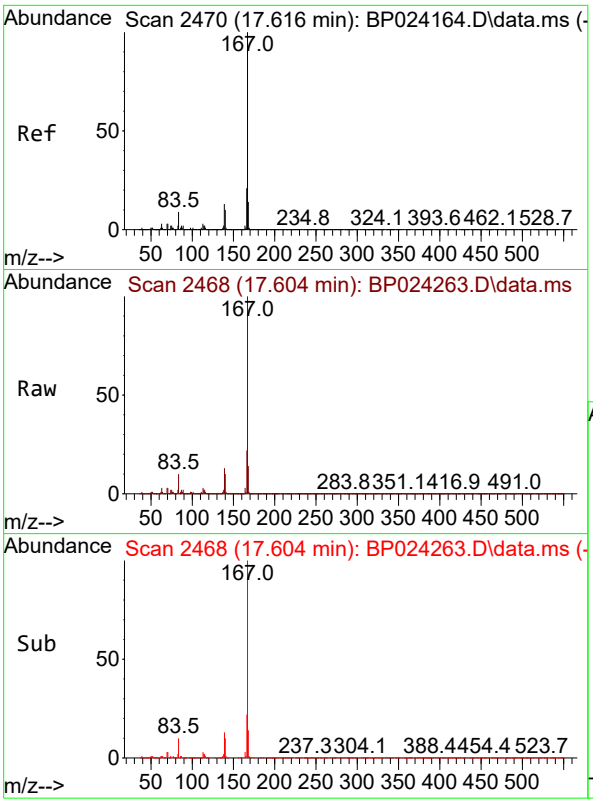


#72
Anthracene
Concen: 54.860 ng
RT: 17.322 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:178 Resp: 3578499

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.6	12.6	18.8



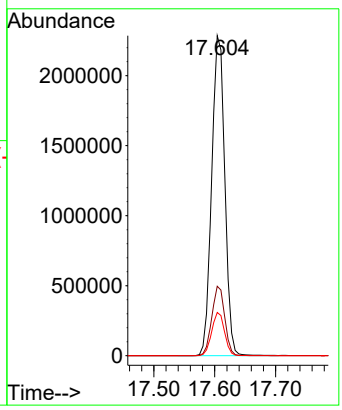


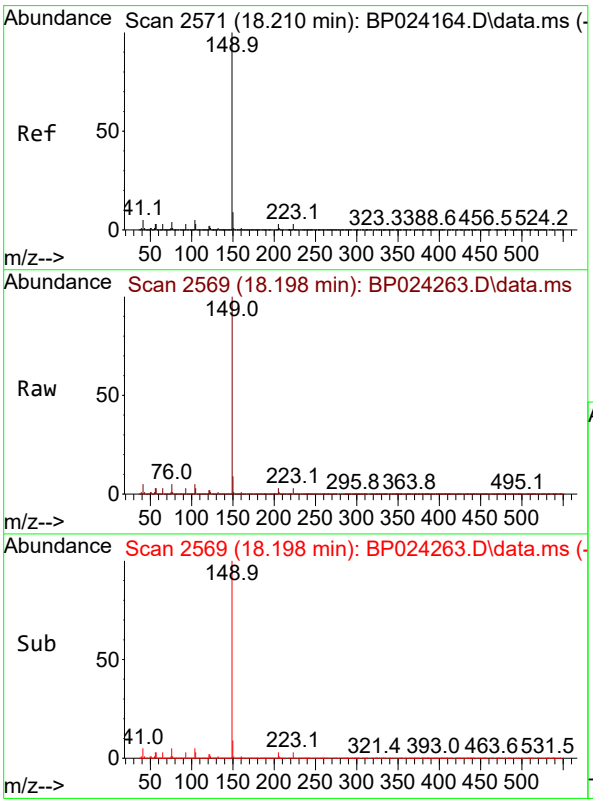
#73
Carbazole
Concen: 54.339 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:167 Resp: 3418195

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.5	10.2	15.4

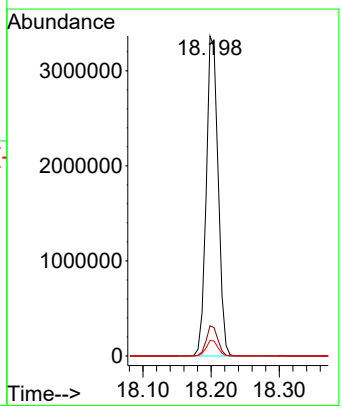


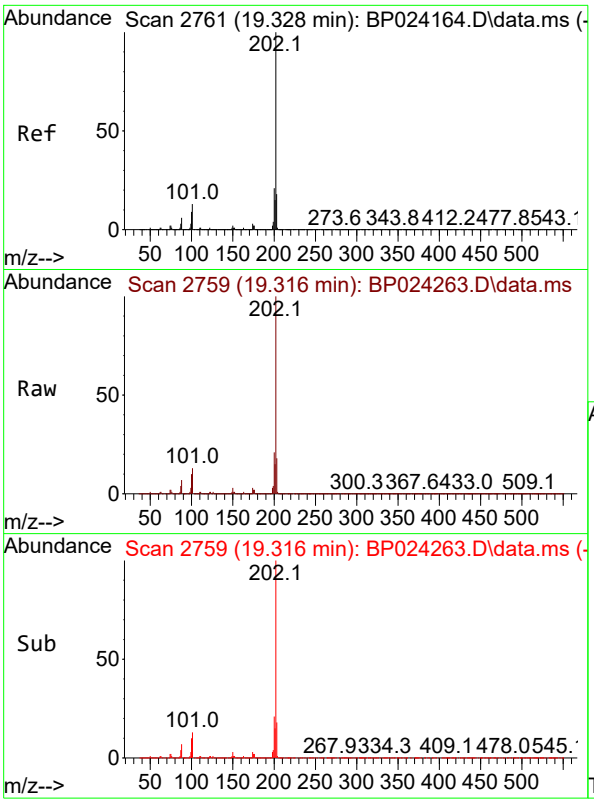


#74
Di-n-butylphthalate
Concen: 54.458 ng
RT: 18.198 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:149 Resp: 4066715

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	4.9	3.9	5.9



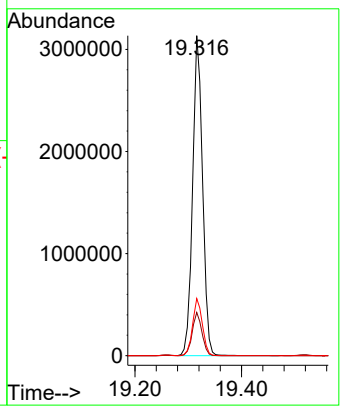


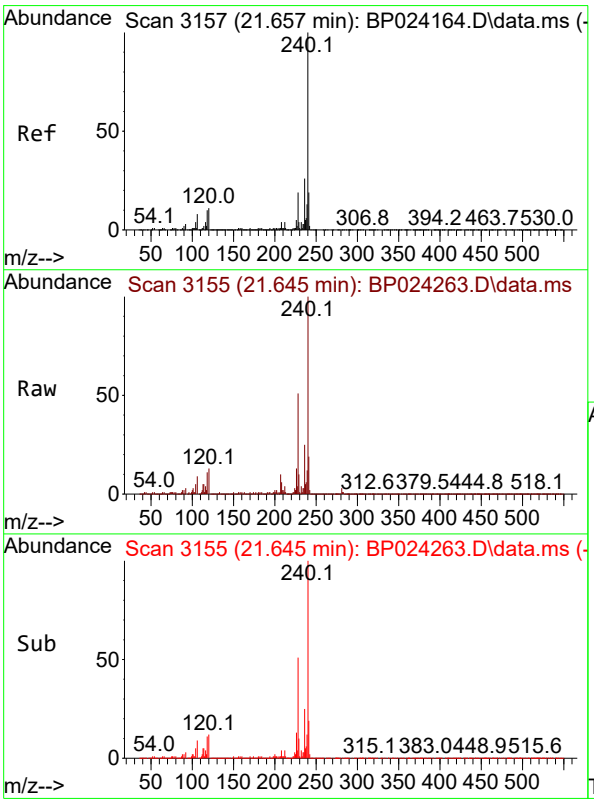
#75
Fluoranthene
Concen: 52.302 ng
RT: 19.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:202 Resp: 4056848

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.5
203	17.9	0.0	37.9

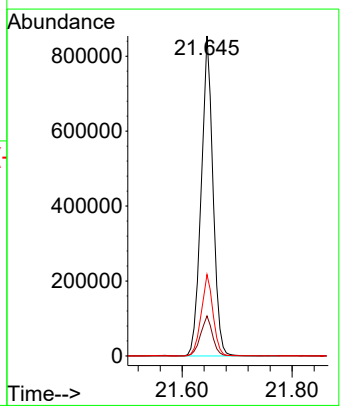


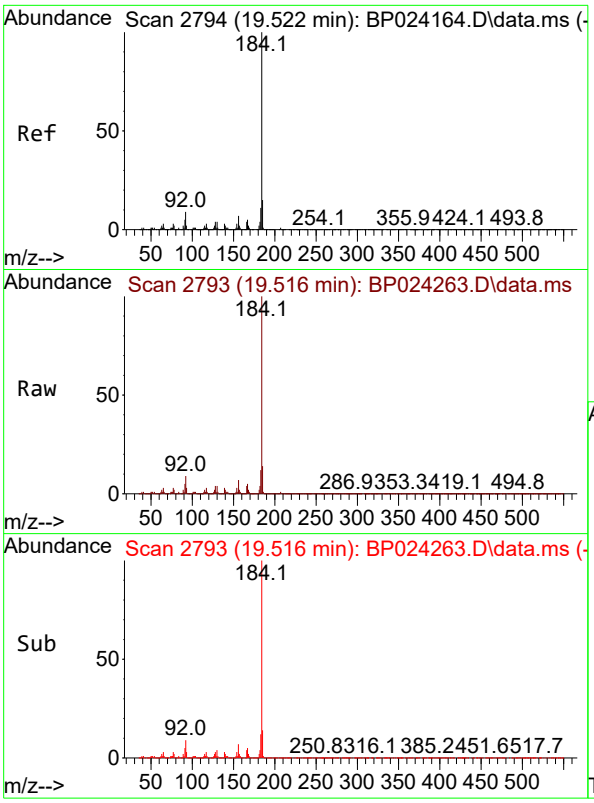


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:240 Resp: 1268427

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.5	20.4	30.6



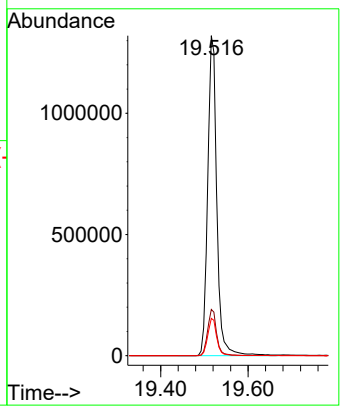


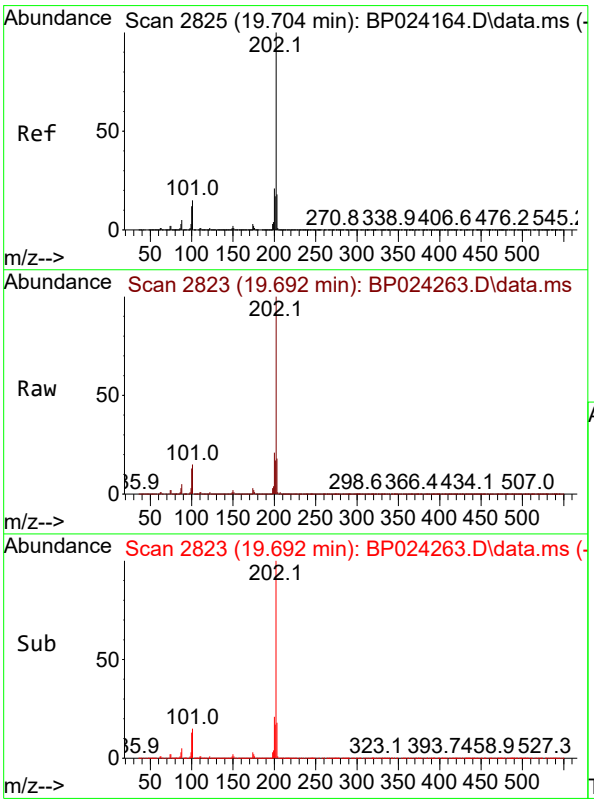
#77
Benzidine
Concen: 137.749 ng
RT: 19.516 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:184 Resp: 1910343

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.7	9.1	13.7

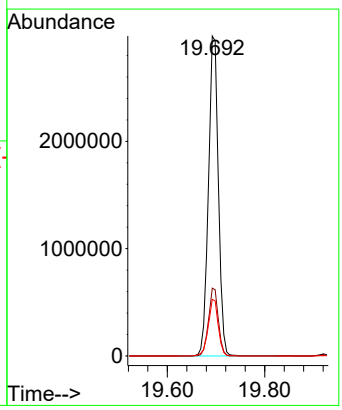


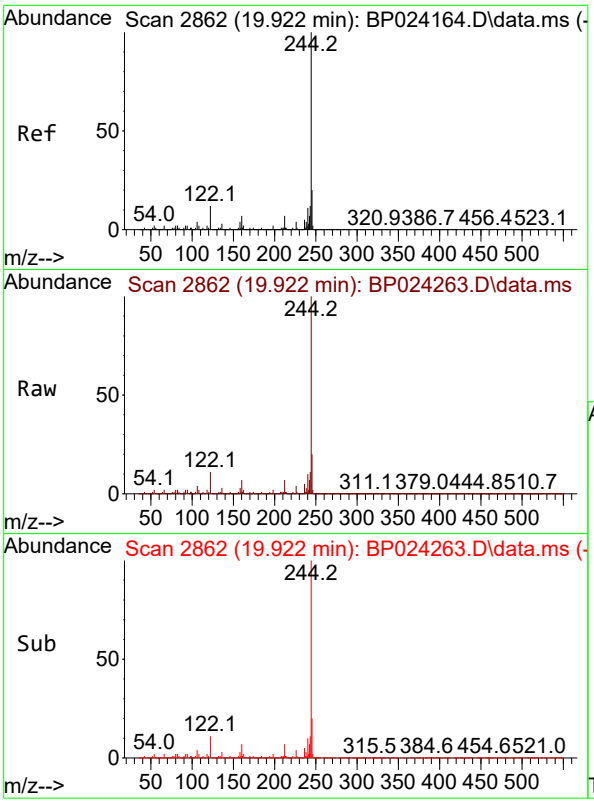


#78
Pyrene
Concen: 53.141 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:202 Resp: 4190573

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.7	14.2	21.4



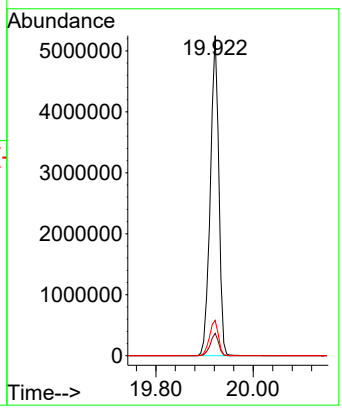


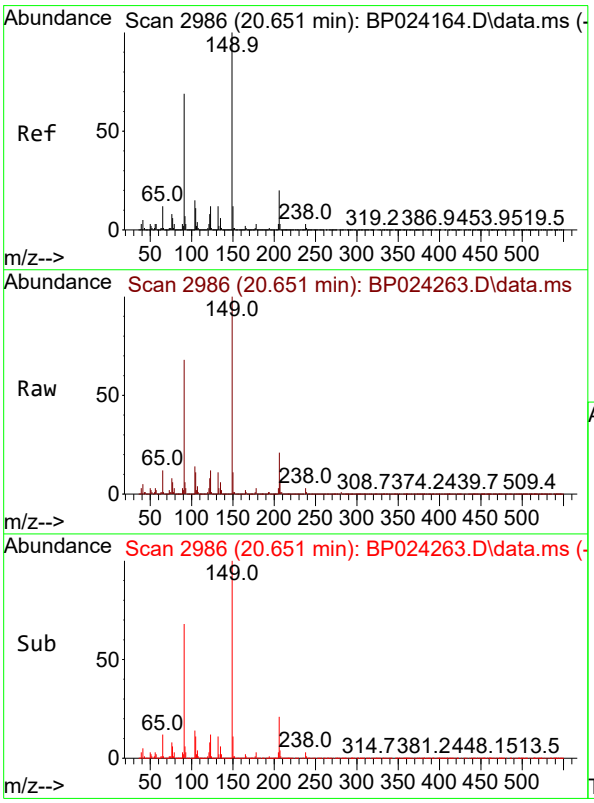
#79
Terphenyl-d14
Concen: 102.639 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:244 Resp: 6307003

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.1	9.6	14.4

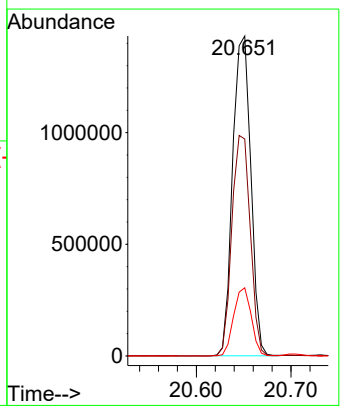


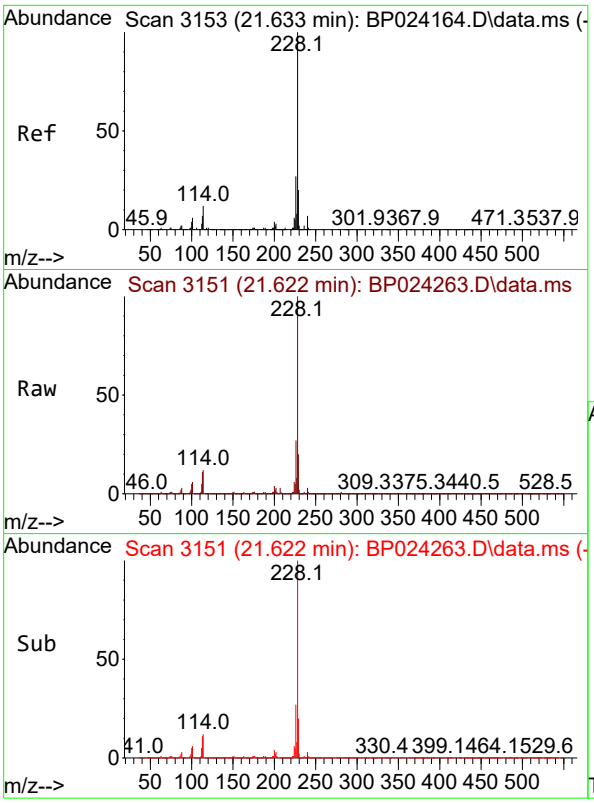


#80
Butylbenzylphthalate
Concen: 58.467 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:149 Resp: 1901299

Ion	Ratio	Lower	Upper
149	100		
91	67.8	55.3	82.9
206	21.3	16.1	24.1



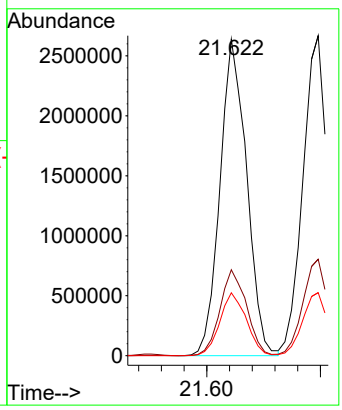


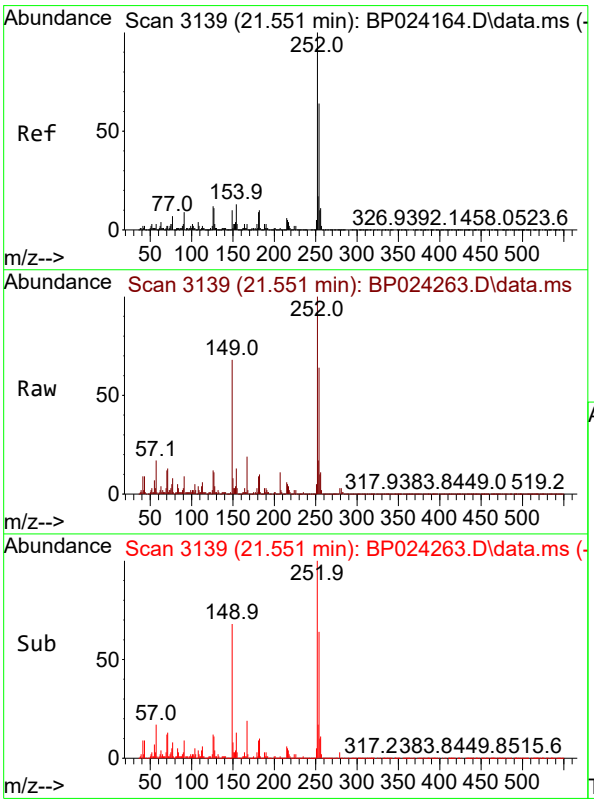
#81
Benzo(a)anthracene
Concen: 54.709 ng
RT: 21.622 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:228 Resp: 4314443

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.9	16.0	24.0

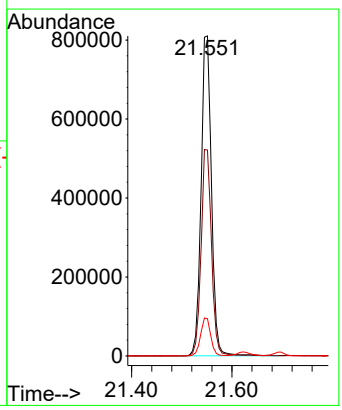


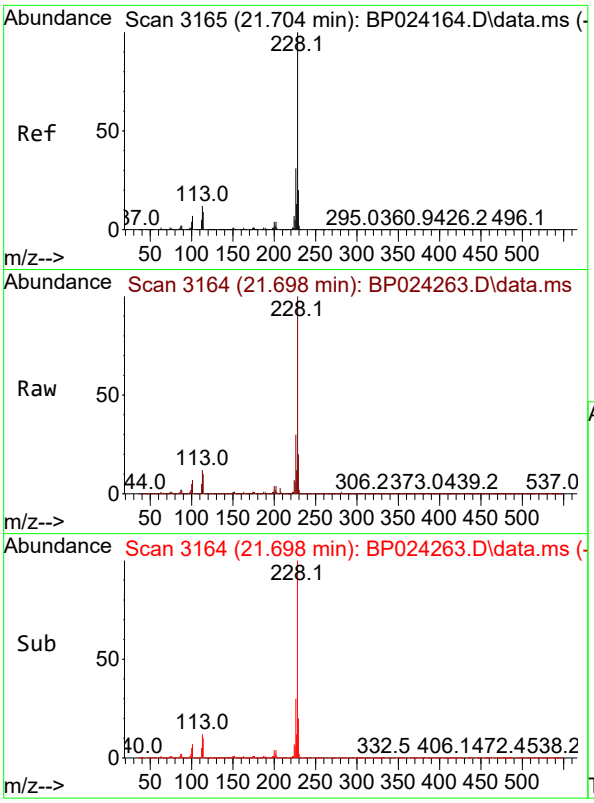


#82
3,3'-Dichlorobenzidine
Concen: 44.093 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:252 Resp: 1165413

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.4	77.2
126	11.7	9.3	13.9



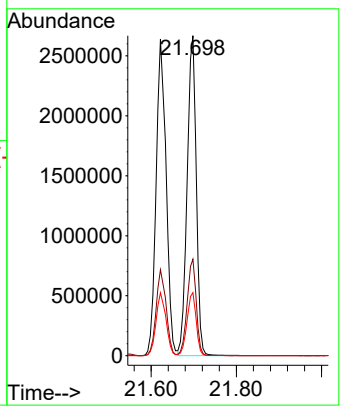


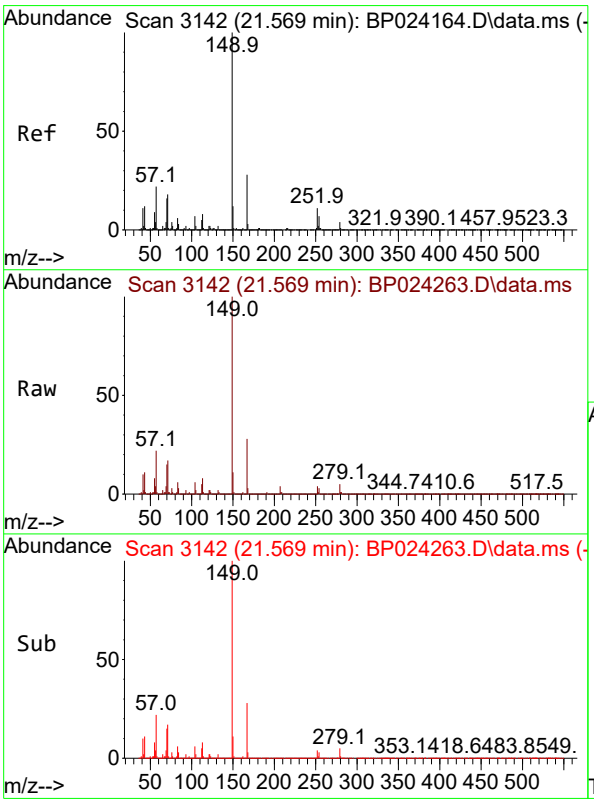
#83
Chrysene
Concen: 52.444 ng
RT: 21.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:228 Resp: 3975849

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.7	16.2	24.2

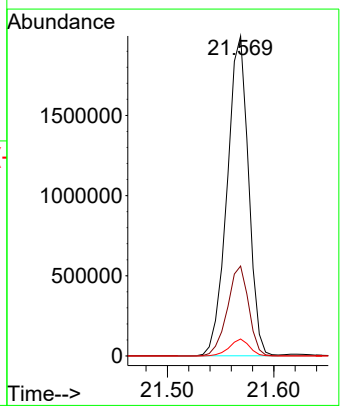


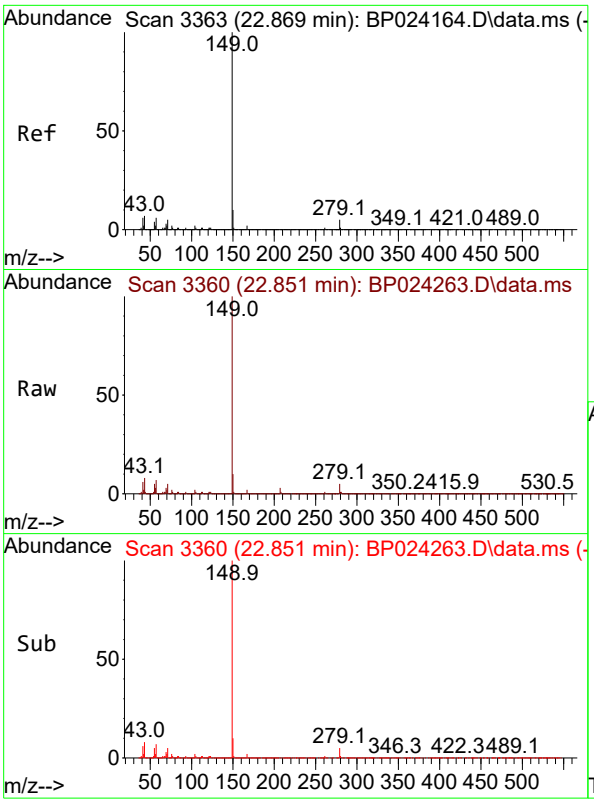


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.609 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:149 Resp: 2777718

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	5.3	3.6	5.4



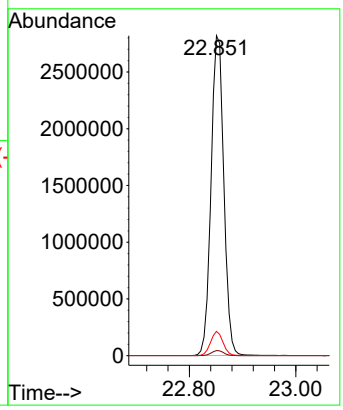


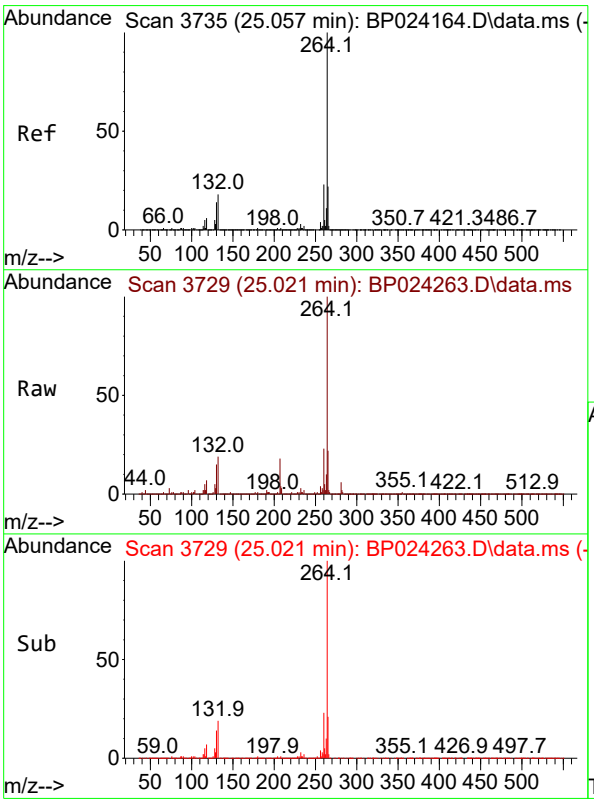
#85
Di-n-octyl phthalate
Concen: 59.565 ng
RT: 22.851 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:149 Resp: 4682912

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	5.8	8.8

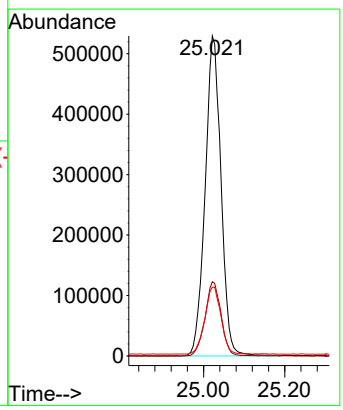


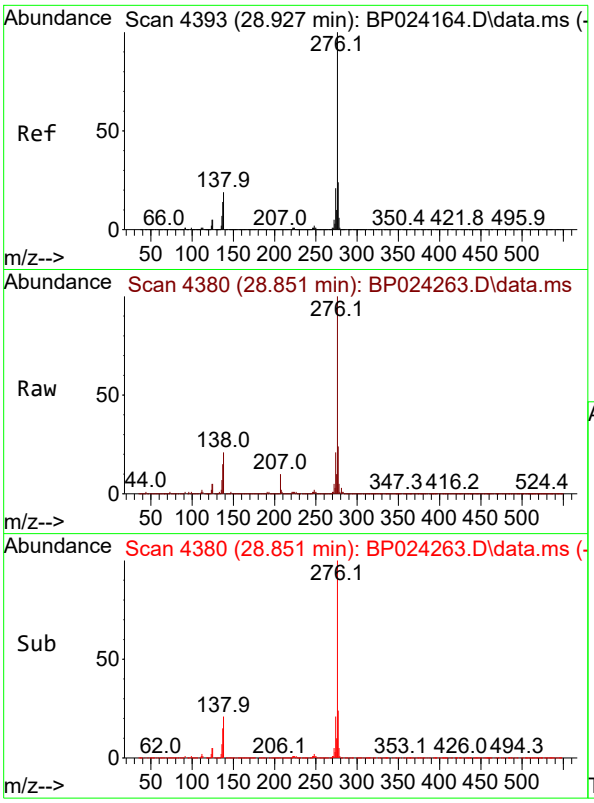


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:264 Resp: 1432702

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.5	17.7	26.5



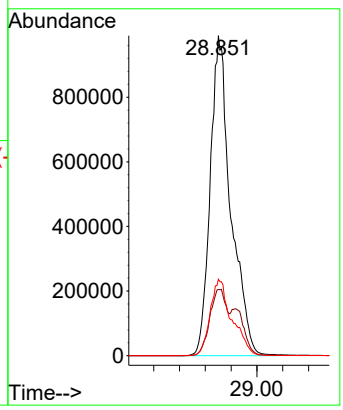


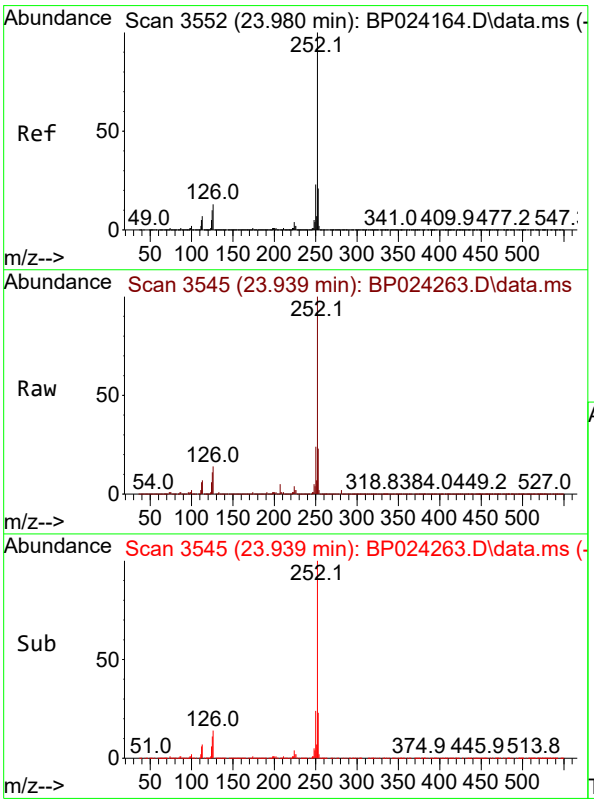
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.794 ng
RT: 28.851 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:276 Resp: 5478900

Ion	Ratio	Lower	Upper
276	100		
138	17.0	13.7	20.5
277	25.3	20.2	30.2

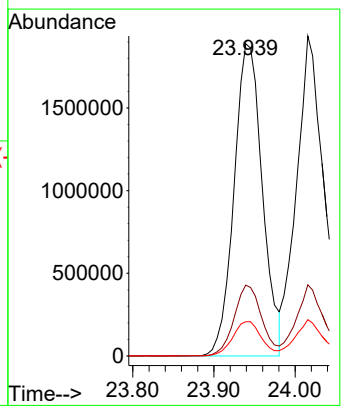


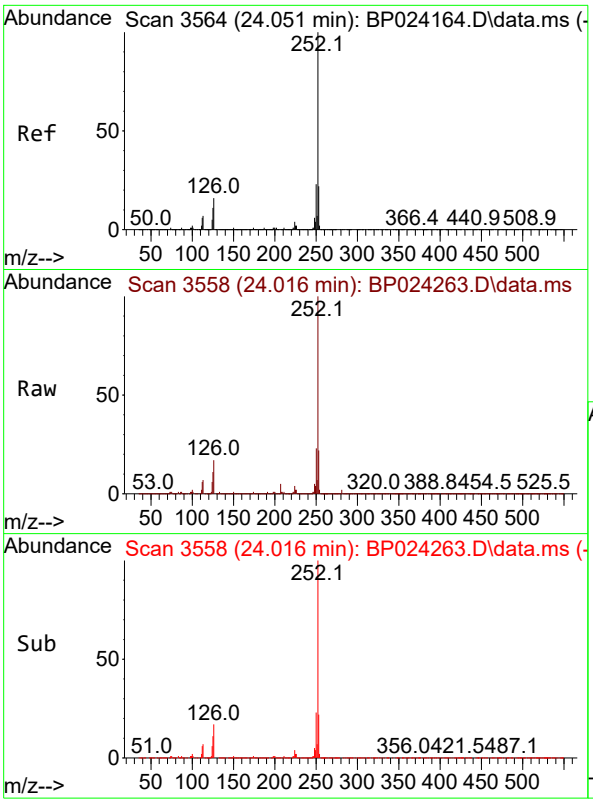


#88
Benzo(b)fluoranthene
Concen: 52.978 ng
RT: 23.939 min Scan# 3545
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:252 Resp: 4576422

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.0	8.2	12.4



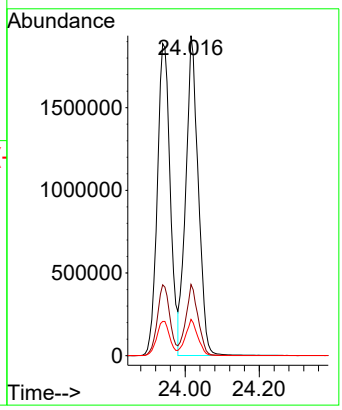


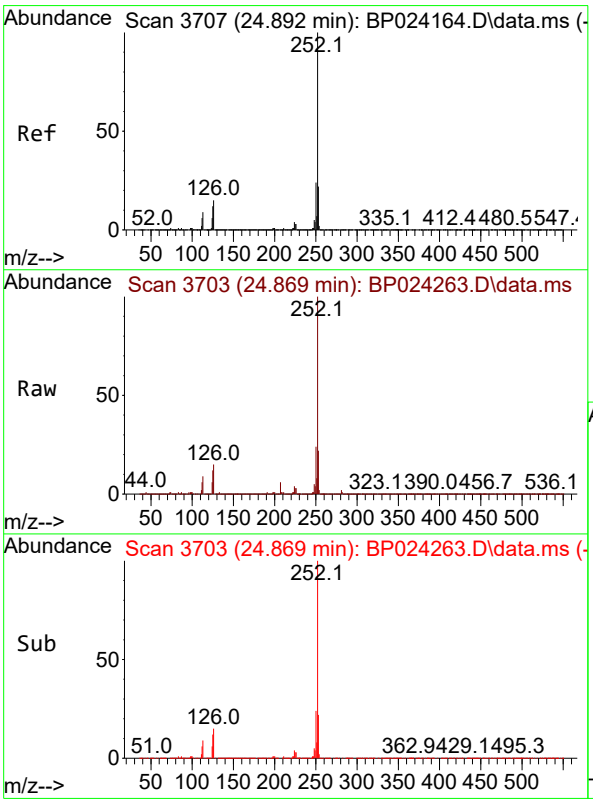
#89
Benzo(k)fluoranthene
Concen: 53.472 ng
RT: 24.016 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:252 Resp: 4518331

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.4	9.1	13.7

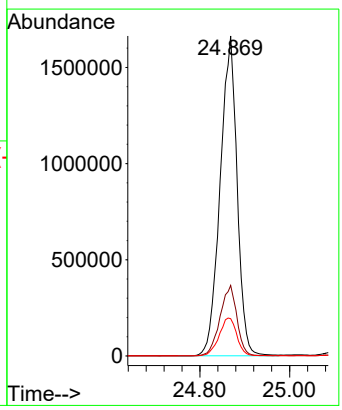


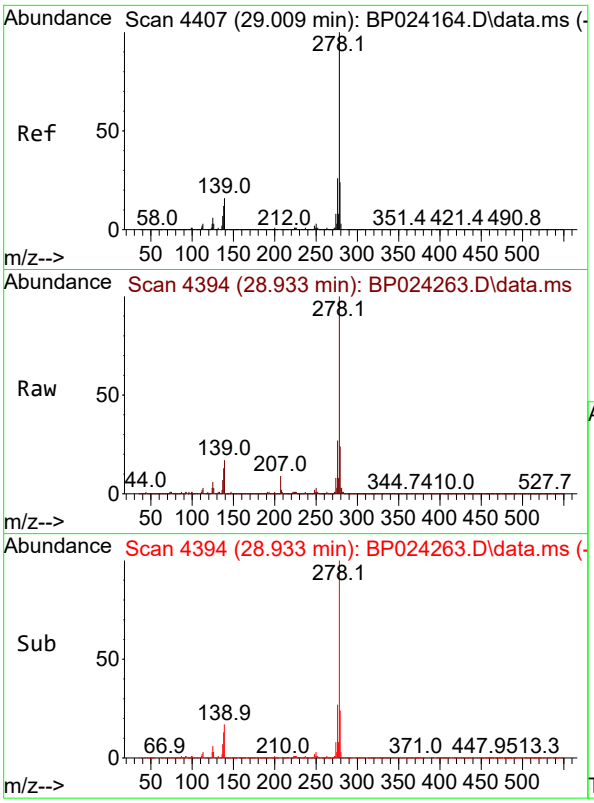


#90
Benzo(a)pyrene
Concen: 58.140 ng
RT: 24.869 min Scan# 3703
Delta R.T. 0.018 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:252 Resp: 4367257

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.6	9.6	14.4



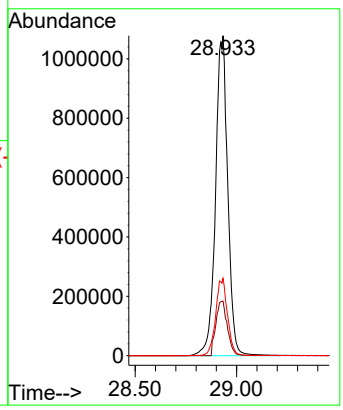


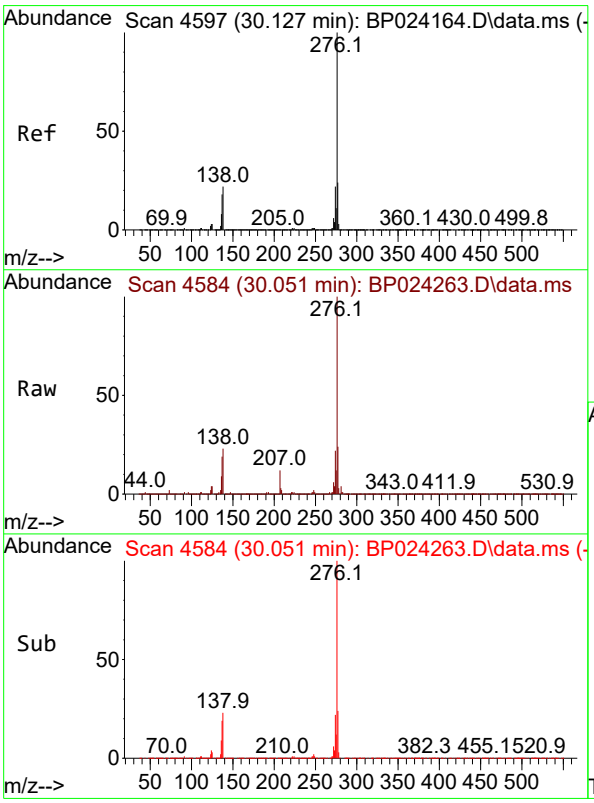
#91
Dibenzo(a,h)anthracene
Concen: 54.169 ng
RT: 28.933 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Instrument :
BNA_P
ClientSampleId :
PB167518BS

Tgt Ion:278 Resp: 4506175

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.0	19.4
279	24.2	18.8	28.2

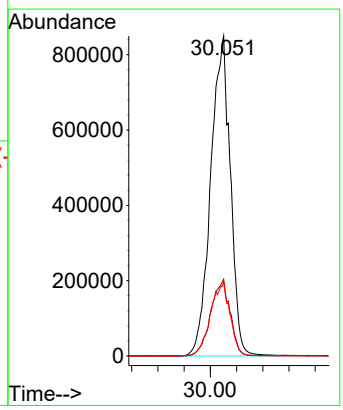




#92
Benzo(g,h,i)perylene
Concen: 52.146 ng
RT: 30.051 min Scan# 4584
Delta R.T. 0.041 min
Lab File: BP024263.D
Acq: 11 Apr 2025 12:25

Tgt Ion:276 Resp: 4409701

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.2	17.4	26.2



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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/02/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/03/25
Client Sample ID:	Z-05AMS	SDG No.:	Q1739
Lab Sample ID:	Q1712-04MS	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
BP024235.D	1	04/08/25 08:25	04/09/25 14:59	PB167518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	350		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	420		5.30	50.0	ug/L
95-48-7	2-Methylphenol	490		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	490		11.0	100	ug/L
67-72-1	Hexachloroethane	430		6.50	50.0	ug/L
98-95-3	Nitrobenzene	470		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	490		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	121		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.6		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.8		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	91.9		48 - 125	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271000	7.74			
1146-65-2	Naphthalene-d8	1090000	10.516			
15067-26-2	Acenaphthene-d10	692000	14.381			
1517-22-2	Phenanthrene-d10	1400000	17.192			
1719-03-5	Chrysene-d12	1630000	21.627			
1520-96-3	Perylene-d12	1800000	25.004			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	04/02/25
Project:	Con Edison - 11th Ave-West 50th St Site			Date Received:	04/03/25
Client Sample ID:	Z-05AMS			SDG No.:	Q1739
Lab Sample ID:	Q1712-04MS			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
BP024235.D	1	04/08/25 08:25	04/09/25 14:59	PB167518

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\BP040925\
Data File : BP024235.D
Acq On : 09 Apr 2025 14:59
Operator : RC/JU
Sample : Q1712-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Quant Time: Apr 10 02:01:31 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.740	152	270984	20.000	ng		-0.03
21) Naphthalene-d8	10.516	136	1090214	20.000	ng		-0.04
39) Acenaphthene-d10	14.381	164	692071	20.000	ng		-0.02
64) Phenanthrene-d10	17.192	188	1402974	20.000	ng		-0.01
76) Chrysene-d12	21.627	240	1629667	20.000	ng		-0.03
86) Perylene-d12	25.004	264	1799050	20.000	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.358	112	2277436	134.157	ng		-0.02
7) Phenol-d6	6.922	99	2747899	121.046	ng		-0.03
23) Nitrobenzene-d5	8.887	82	1808210	93.579	ng		-0.04
42) 2,4,6-Tribromophenol	15.904	330	1348057	154.638	ng		-0.01
45) 2-Fluorobiphenyl	12.993	172	3982098	84.843	ng		-0.02
79) Terphenyl-d14	19.904	244	7252316	91.862	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	265840	39.506	ng	#	75
3) Pyridine	3.699	79	642616	34.933	ng		98
4) n-Nitrosodimethylamine	3.605	42	263840	42.936	ng		96
6) Aniline	7.075	93	586138	28.339	ng		99
8) 2-Chlorophenol	7.316	128	841681	45.902	ng		98
9) Benzaldehyde	6.893	77	389619	35.565	ng		98
10) Phenol	6.952	94	982968	42.892	ng		100
11) bis(2-Chloroethyl)ether	7.169	93	807543	44.684	ng		98
12) 1,3-Dichlorobenzene	7.634	146	840076	42.484	ng		100
13) 1,4-Dichlorobenzene	7.775	146	851542	42.177	ng		99
14) 1,2-Dichlorobenzene	8.087	146	834584	43.077	ng		99
15) Benzyl Alcohol	7.981	79	720438	50.127	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	872182	47.286	ng		96
17) 2-Methylphenol	8.181	107	710282	49.426	ng		99
18) Hexachloroethane	8.810	117	304911	42.568	ng		99
19) n-Nitroso-di-n-propyla...	8.540	70	609100	46.249	ng		98
20) 3+4-Methylphenols	8.505	107	969793	49.120	ng		98
22) Acetophenone	8.552	105	1234466	44.787	ng	#	98
24) Nitrobenzene	8.928	77	892165	46.804	ng		98
25) Isophorone	9.452	82	1739699	52.523	ng		100
26) 2-Nitrophenol	9.634	139	438012	48.105	ng		99
27) 2,4-Dimethylphenol	9.699	122	786545	67.179	ng		98
28) bis(2-Chloroethoxy)met...	9.928	93	1079269	46.317	ng		100
29) 2,4-Dichlorophenol	10.169	162	780174	49.258	ng		98
30) 1,2,4-Trichlorobenzene	10.381	180	754982	43.144	ng		100
31) Naphthalene	10.563	128	2495466	43.181	ng		100
32) Benzoic acid	9.840	122	564235	49.414	ng		98
33) 4-Chloroaniline	10.681	127	238189	11.517	ng		99
34) Hexachlorobutadiene	10.852	225	425450	42.245	ng		98
35) Caprolactam	11.469	113	243422	46.894	ng		92
36) 4-Chloro-3-methylphenol	11.810	107	910400	53.283	ng		99
37) 2-Methylnaphthalene	12.181	142	1609854	41.234	ng		99
38) 1-Methylnaphthalene	12.399	142	1696761	44.683	ng		99
40) 1,2,4,5-Tetrachloroben...	12.551	216	847246	42.350	ng		99
41) Hexachlorocyclopentadiene	12.534	237	1026085	142.287	ng		99
43) 2,4,6-Trichlorophenol	12.793	196	627082	49.322	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024235.D
Acq On : 09 Apr 2025 14:59
Operator : RC/JU
Sample : Q1712-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Quant Time: Apr 10 02:01:31 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

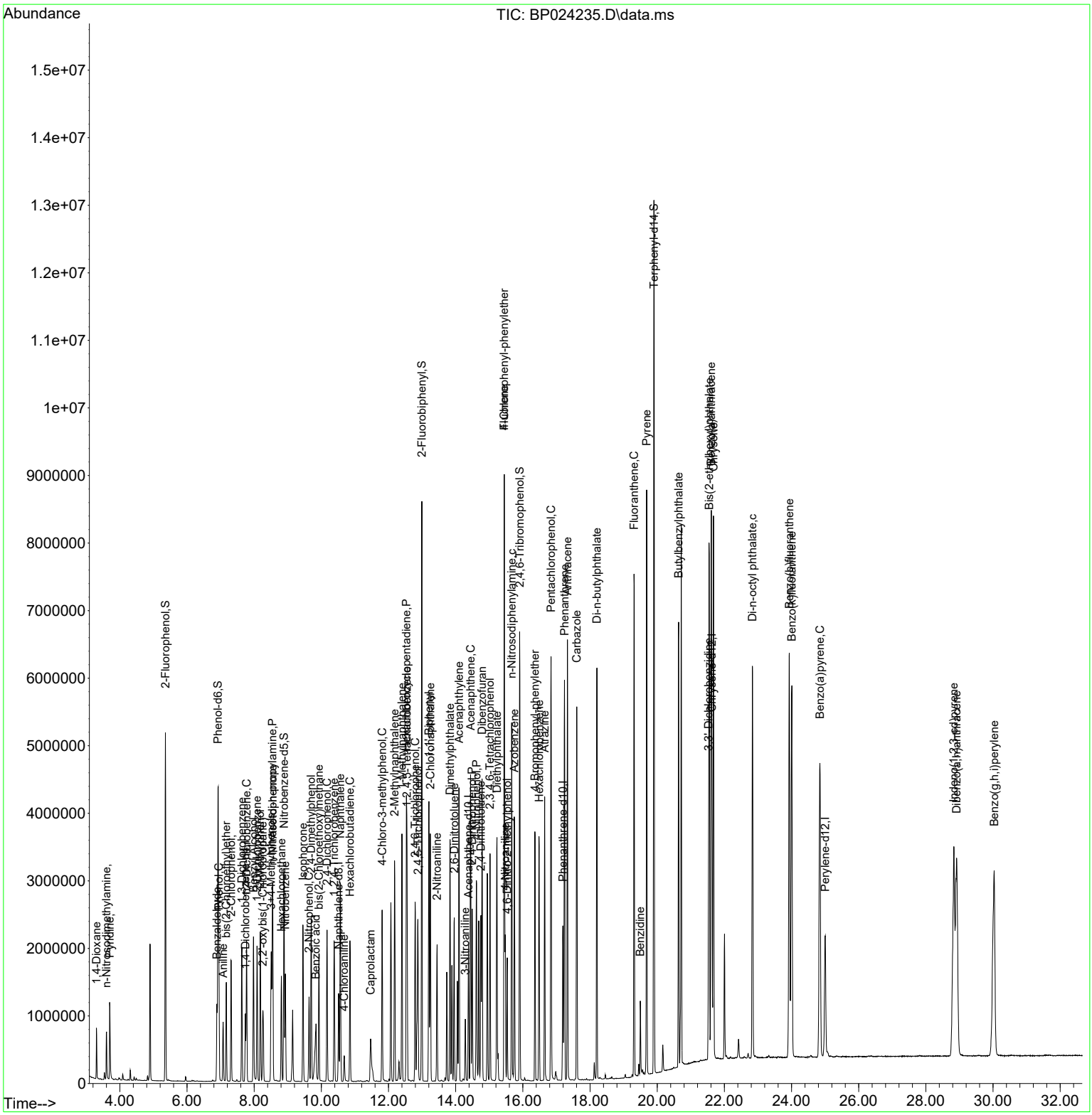
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	701418	50.306	ng	99
46) 1,1'-Biphenyl	13.204	154	2331388	44.829	ng	99
47) 2-Chloronaphthalene	13.246	162	1761462	45.030	ng	99
48) 2-Nitroaniline	13.446	65	558019	55.773	ng	99
49) Acenaphthylene	14.098	152	3006607	50.797	ng	100
50) Dimethylphthalate	13.834	163	2396925	49.497	ng	100
51) 2,6-Dinitrotoluene	13.957	165	522334	51.265	ng	99
52) Acenaphthene	14.445	154	1734273	45.859	ng	100
53) 3-Nitroaniline	14.287	138	259293	23.562	ng	94
54) 2,4-Dinitrophenol	14.493	184	569182	105.574	ng	95
55) Dibenzofuran	14.787	168	2775341	45.306	ng	97
56) 4-Nitrophenol	14.622	139	1032945	112.334	ng	99
57) 2,4-Dinitrotoluene	14.751	165	763255	56.711	ng	99
58) Fluorene	15.445	166	2292612	48.035	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	620712	50.387	ng	98
60) Diethylphthalate	15.228	149	2429766	50.386	ng	99
61) 4-Chlorophenyl-phenyle...	15.445	204	1089083	46.524	ng	95
62) 4-Nitroaniline	15.475	138	574089	49.739	ng	99
63) Azobenzene	15.745	77	2255024	49.613	ng	97
65) 4,6-Dinitro-2-methylph...	15.534	198	397241	47.694	ng	98
66) n-Nitrosodiphenylamine	15.669	169	2036795	47.808	ng	100
67) 4-Bromophenyl-phenylether	16.363	248	705104	45.776	ng	98
68) Hexachlorobenzene	16.487	284	854832	46.888	ng	99
69) Atrazine	16.651	200	744691	72.419	ng	99
70) Pentachlorophenol	16.839	266	1255086	106.453	ng	100
71) Phenanthrene	17.239	178	3706248	48.357	ng	100
72) Anthracene	17.328	178	3690284	49.436	ng	100
73) Carbazole	17.604	167	3765982	52.313	ng	99
74) Di-n-butylphthalate	18.204	149	4508432	52.756	ng	99
75) Fluoranthene	19.310	202	4476626	50.431	ng	99
77) Benzidine	19.498	184	613019	34.405	ng	99
78) Pyrene	19.686	202	4742564	46.810	ng	100
80) Butylbenzylphthalate	20.639	149	2217907	53.085	ng	98
81) Benzo(a)anthracene	21.610	228	4980721	49.158	ng	100
82) 3,3'-Dichlorobenzidine	21.533	252	996695	29.351	ng	100
83) Chrysene	21.674	228	4549808	46.712	ng	100
84) Bis(2-ethylhexyl)phtha...	21.551	149	3290636	52.197	ng	100
85) Di-n-octyl phthalate	22.833	149	5598662	55.428	ng	100
87) Indeno(1,2,3-cd)pyrene	28.833	276	6277815	49.999	ng	95
88) Benzo(b)fluoranthene	23.933	252	5186382	47.813	ng	98
89) Benzo(k)fluoranthene	24.010	252	5108550	48.146	ng	100
90) Benzo(a)pyrene	24.845	252	4840863	51.322	ng	99
91) Dibenzo(a,h)anthracene	28.915	278	5161466	49.411	ng	98
92) Benzo(g,h,i)perylene	30.033	276	5017602	47.252	ng	98

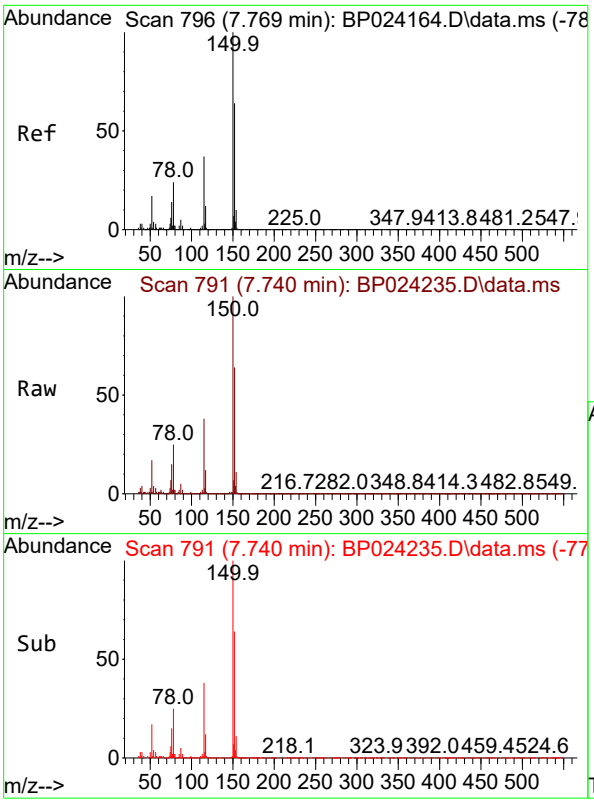
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024235.D
Acq On : 09 Apr 2025 14:59
Operator : RC/JU
Sample : Q1712-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Quant Time: Apr 10 02:01:31 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



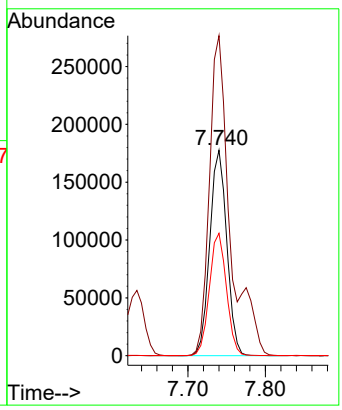


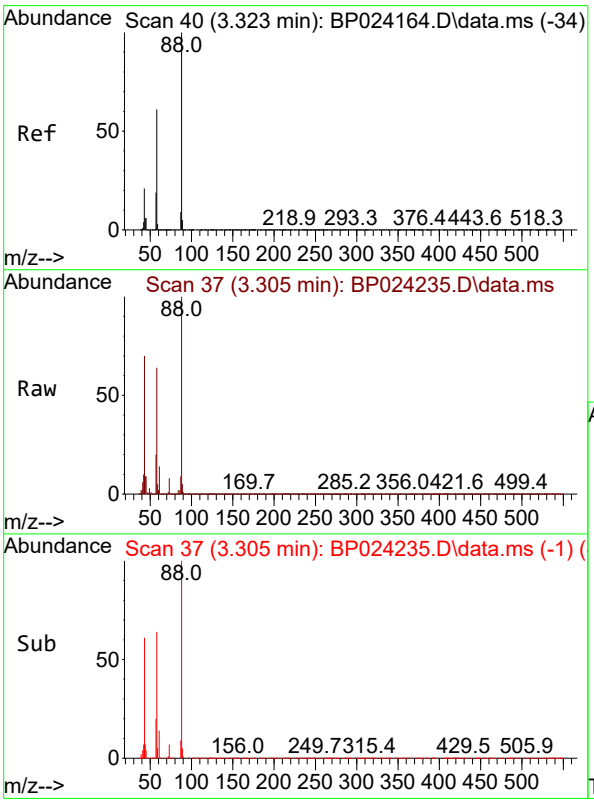
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:152 Resp: 270984

Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.5	188.3
115	59.6	46.3	69.5

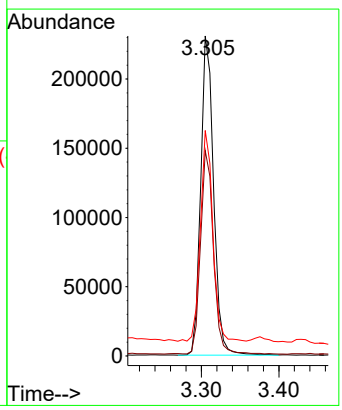


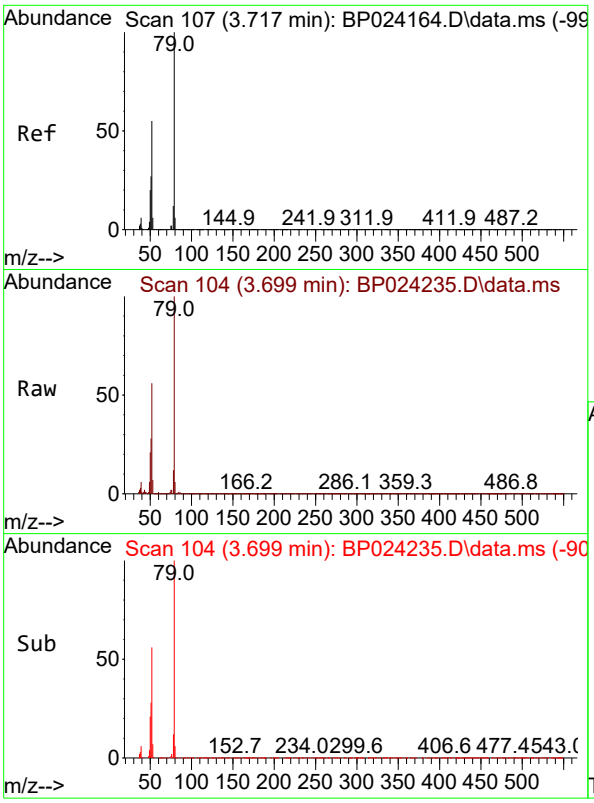


#2
1,4-Dioxane
Concen: 39.506 ng
RT: 3.305 min Scan# 37
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 88 Resp: 265840

Ion	Ratio	Lower	Upper
88	100		
58	63.7	49.8	74.6
43	64.2	17.3	25.9#



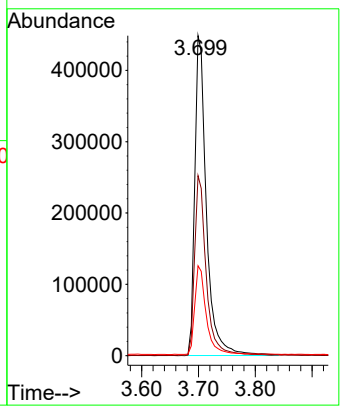


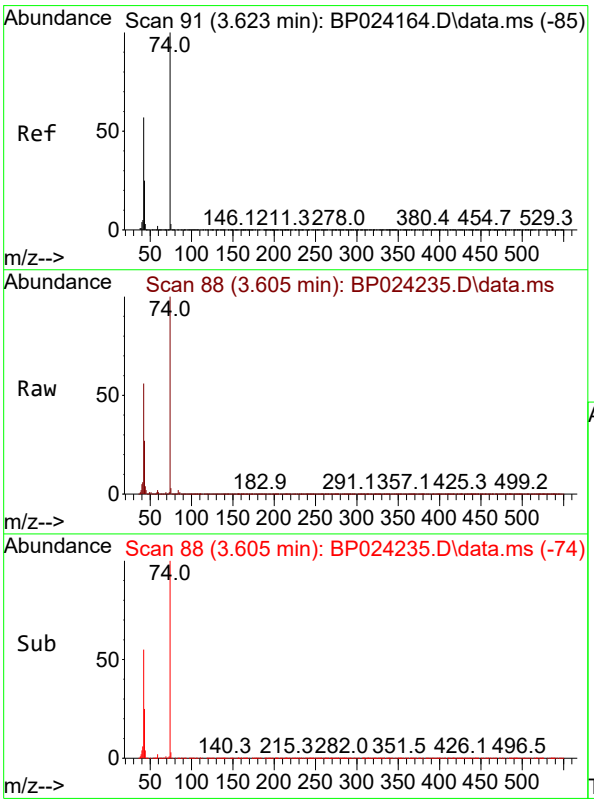
#3
Pyridine
Concen: 34.933 ng
RT: 3.699 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 79 Resp: 642616

Ion	Ratio	Lower	Upper
79	100		
52	56.3	43.8	65.8
51	28.1	21.6	32.4

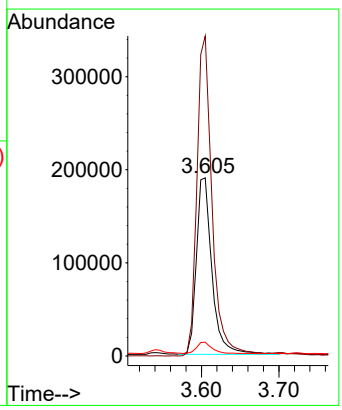


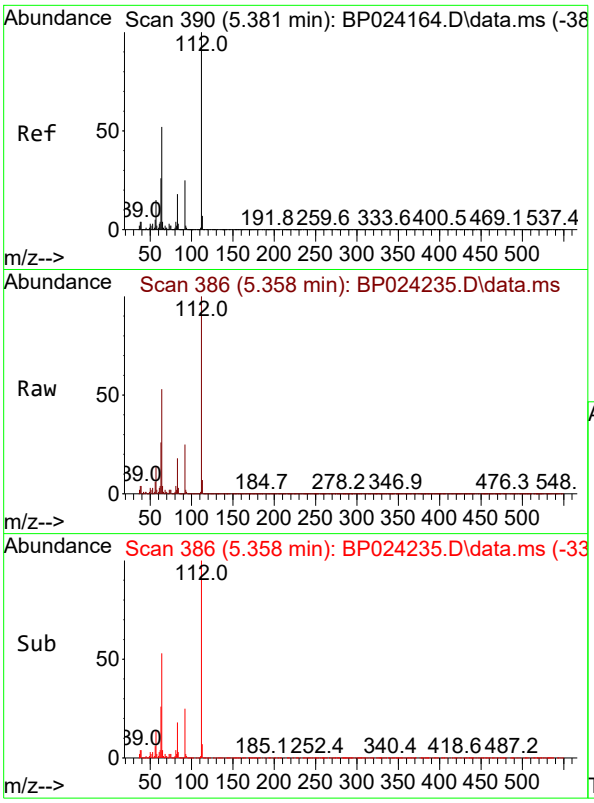


#4
n-Nitrosodimethylamine
Concen: 42.936 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 42 Resp: 263840

Ion	Ratio	Lower	Upper
42	100		
74	179.8	139.8	209.6
44	7.7	5.3	7.9



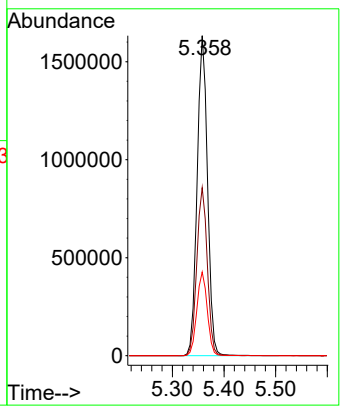


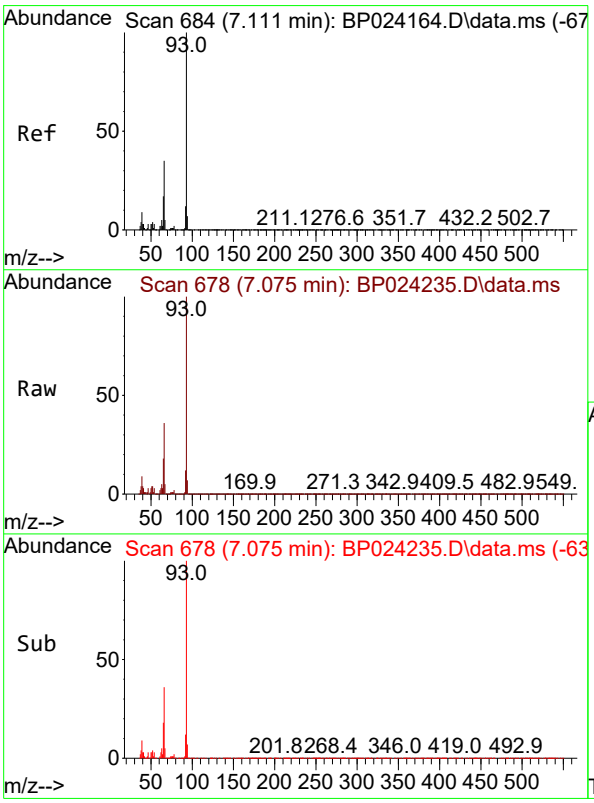
#5
2-Fluorophenol
Concen: 134.157 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:112 Resp: 2277436

Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.3	61.9
63	26.1	20.6	31.0

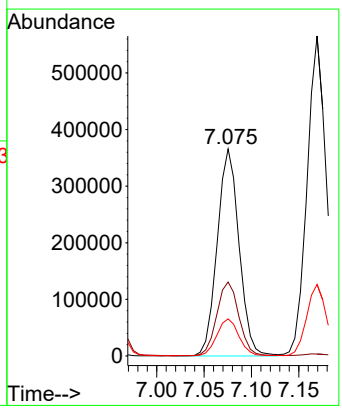


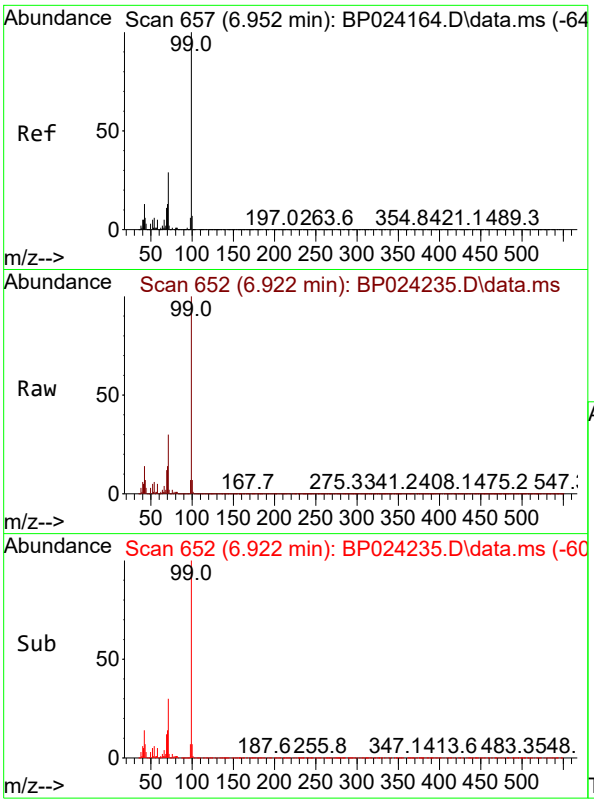


#6
Aniline
Concen: 28.339 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 93 Resp: 586138

Ion	Ratio	Lower	Upper
93	100		
66	35.7	28.2	42.2
65	17.9	14.0	21.0



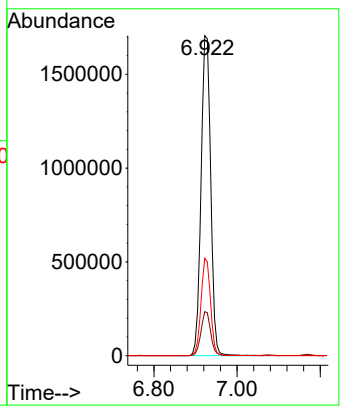


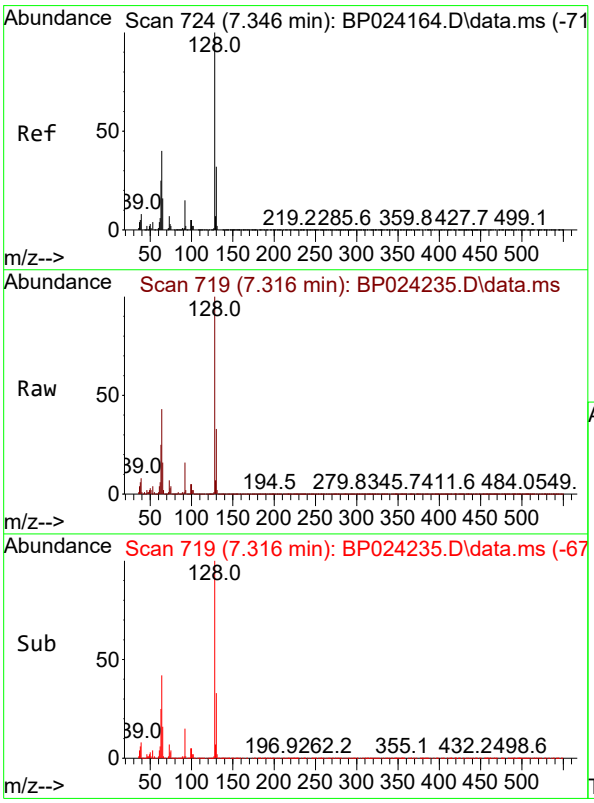
#7
Phenol-d6
Concen: 121.046 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 99 Resp: 2747899

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.4	23.3	34.9

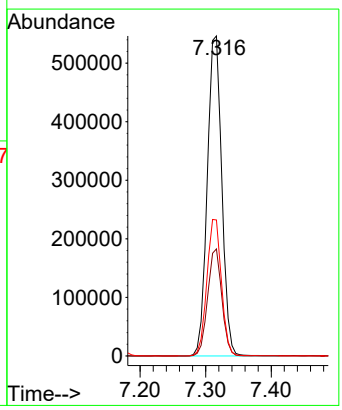


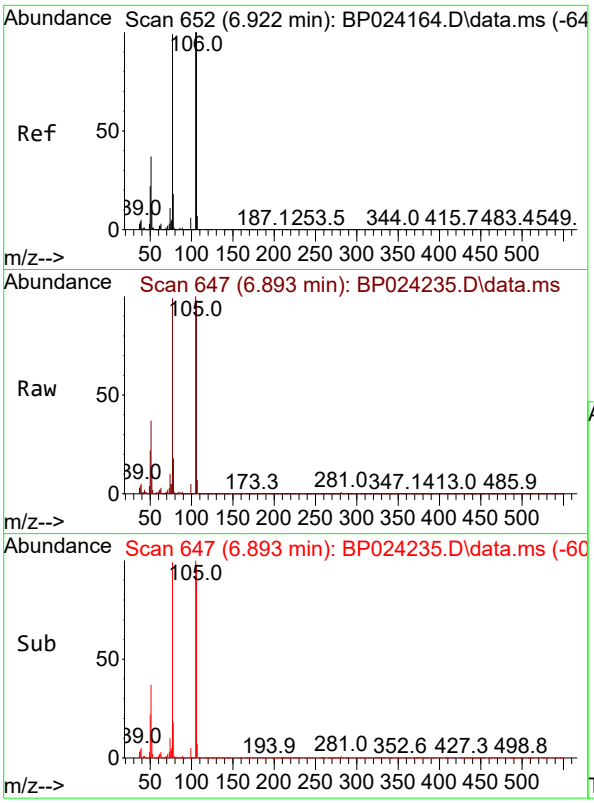


#8
2-Chlorophenol
Concen: 45.902 ng
RT: 7.316 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:128 Resp: 841681

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.0	52.0
64	42.5	21.6	61.6



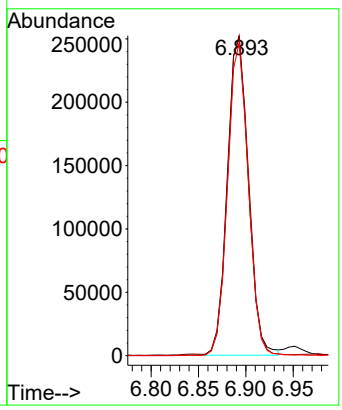


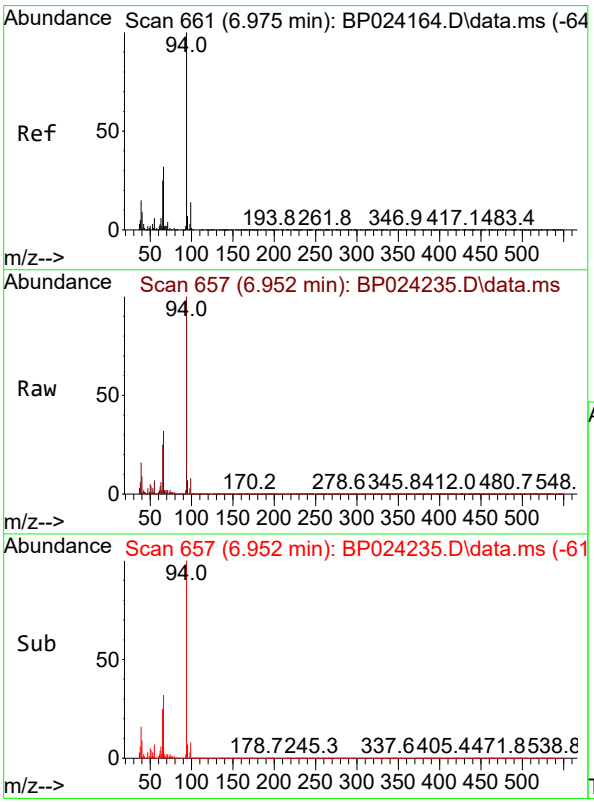
#9
Benzaldehyde
Concen: 35.565 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 77 Resp: 389619

Ion	Ratio	Lower	Upper
77	100		
105	100.7	81.4	121.4
106	98.4	81.1	121.1

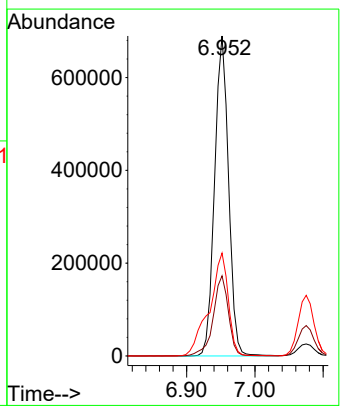


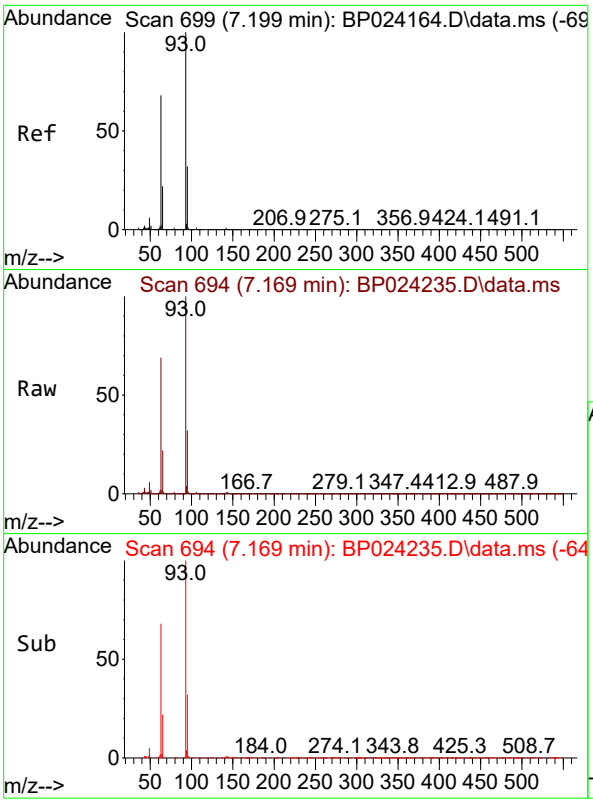


#10
Phenol
Concen: 42.892 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 94 Resp: 982968

Ion	Ratio	Lower	Upper
94	100		
65	25.0	4.9	44.9
66	32.2	11.9	51.9



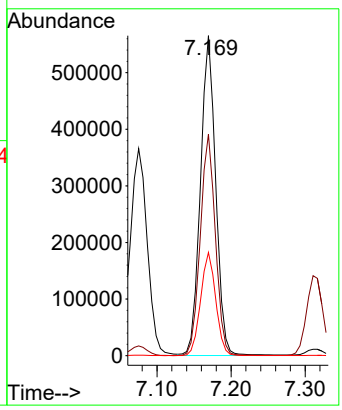


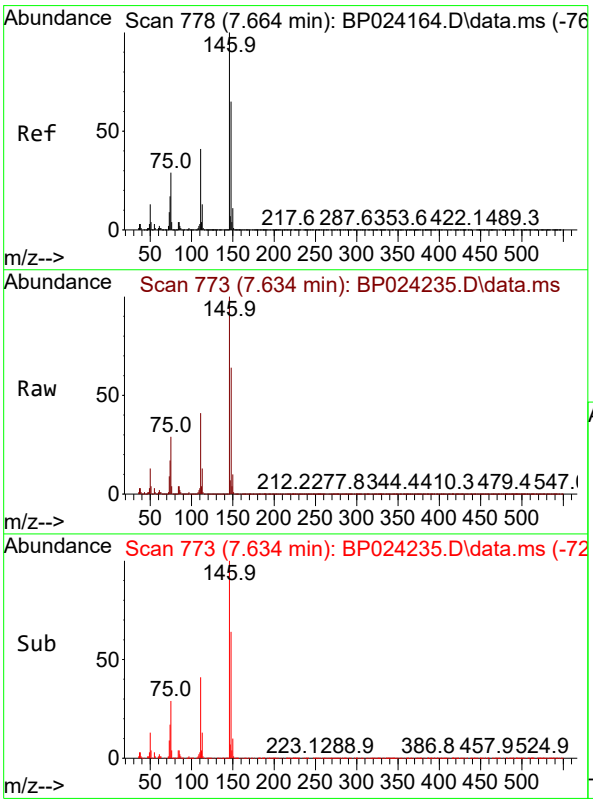
#11
bis(2-Chloroethyl)ether
Concen: 44.684 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 93 Resp: 807543

Ion	Ratio	Lower	Upper
93	100		
63	69.2	47.4	87.4
95	32.2	12.1	52.1

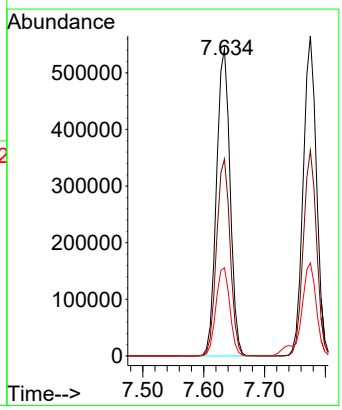


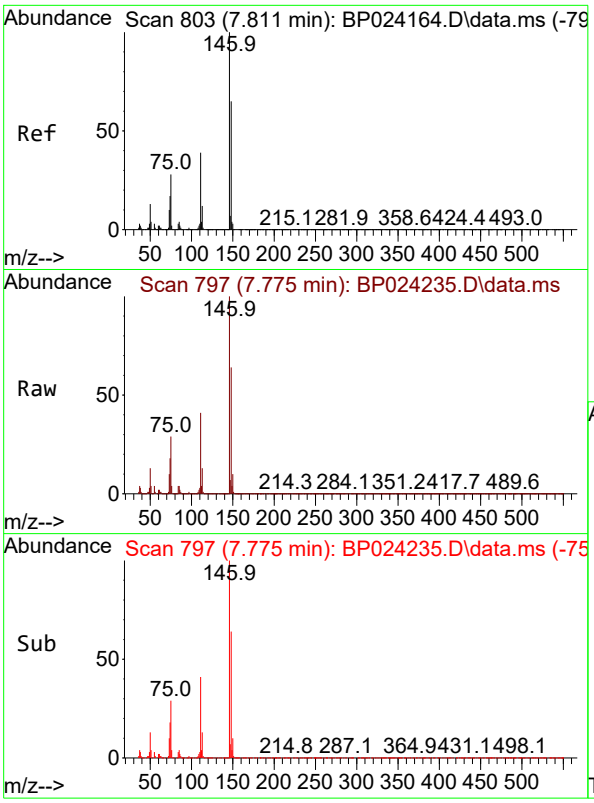


#12
1,3-Dichlorobenzene
Concen: 42.484 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:146 Resp: 840076

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.6	77.4
75	28.7	22.8	34.2



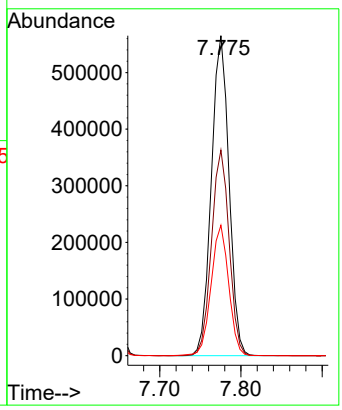


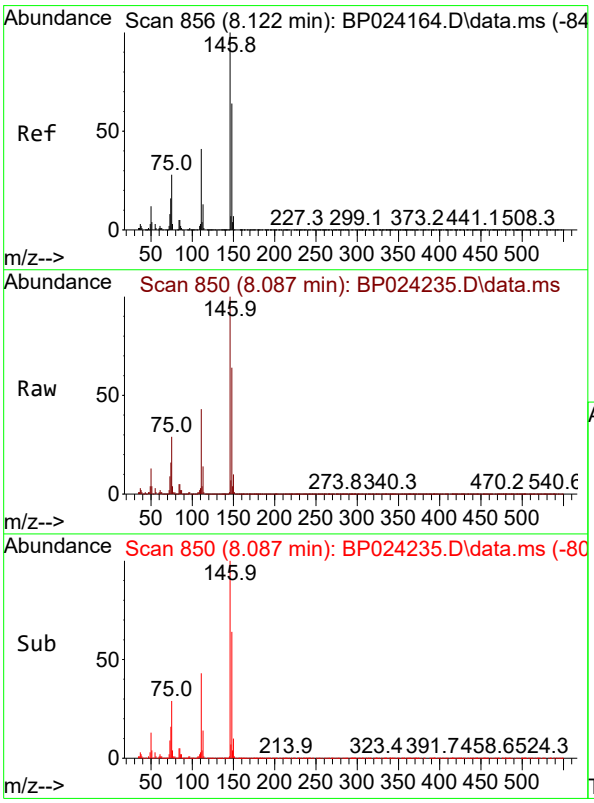
#13
1,4-Dichlorobenzene
Concen: 42.177 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:146 Resp: 851542

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	40.7	31.4	47.2

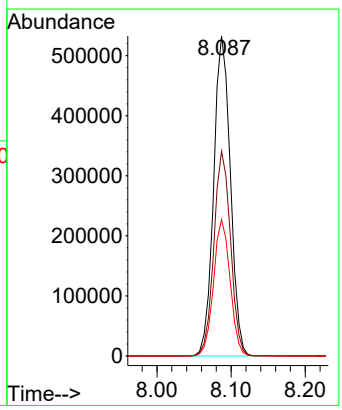


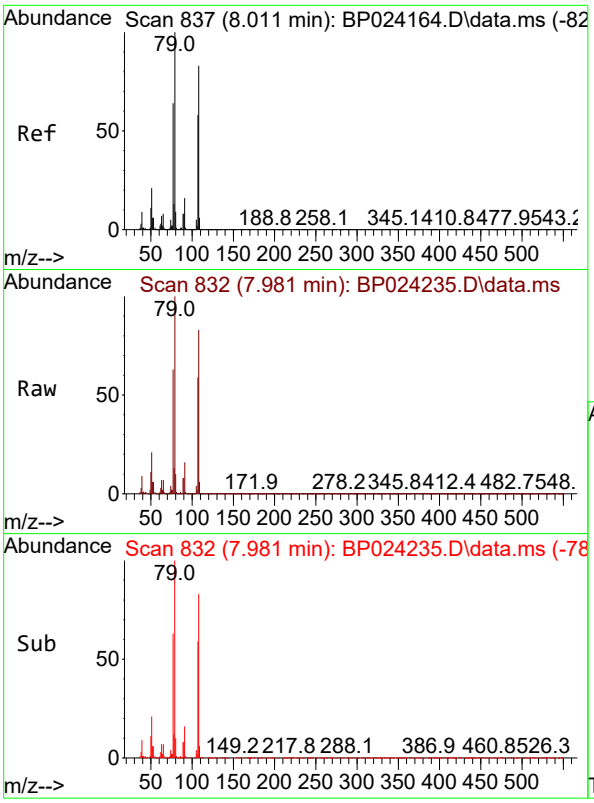


#14
1,2-Dichlorobenzene
Concen: 43.077 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:146 Resp: 834584

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	42.7	33.2	49.8



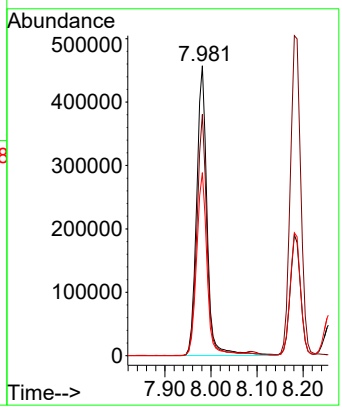


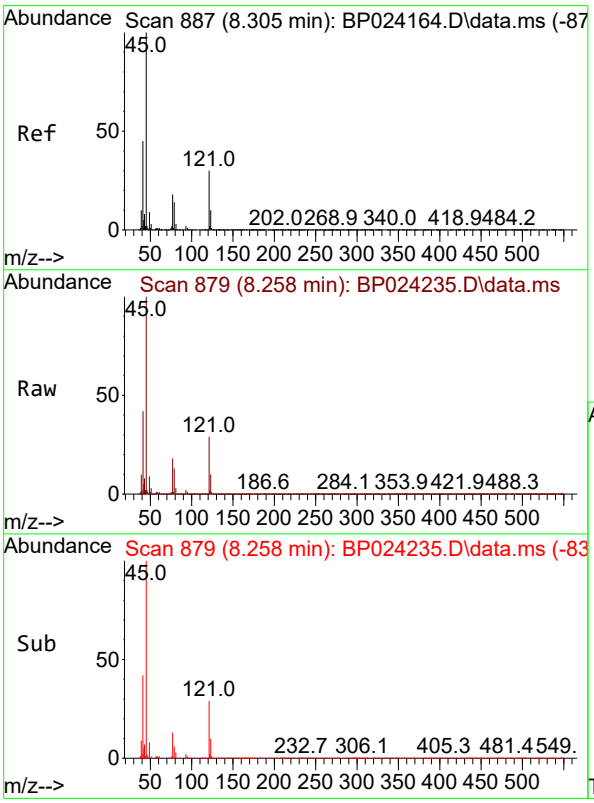
#15
Benzyl Alcohol
Concen: 50.127 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 79 Resp: 720438

Ion	Ratio	Lower	Upper
79	100		
108	83.2	66.5	99.7
77	63.1	50.9	76.3

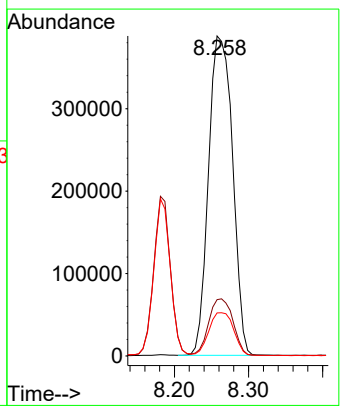


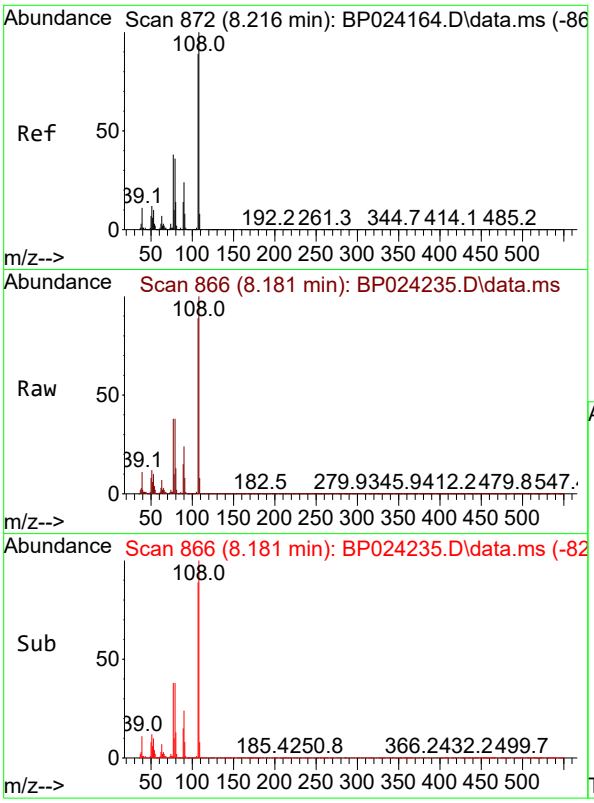


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.286 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.047 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 45 Resp: 872182

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	39.0
79	13.5	0.0	35.6



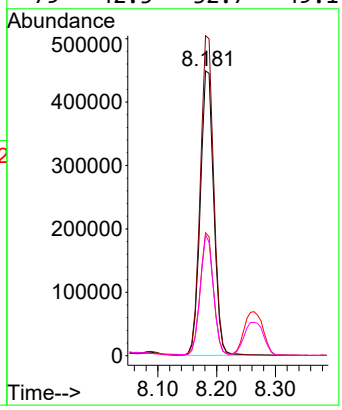


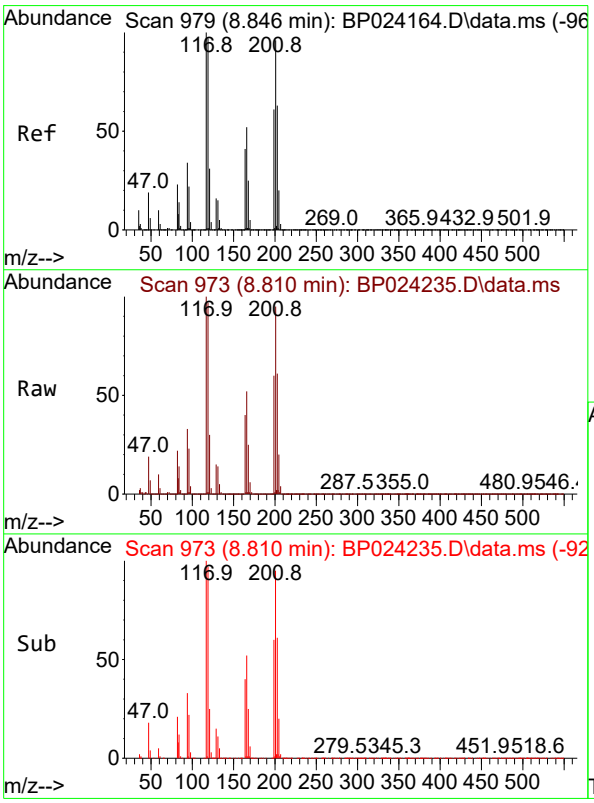
#17
2-Methylphenol
Concen: 49.426 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:107 Resp: 710282

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.0	135.0
77	43.1	34.0	51.0
79	42.5	32.7	49.1

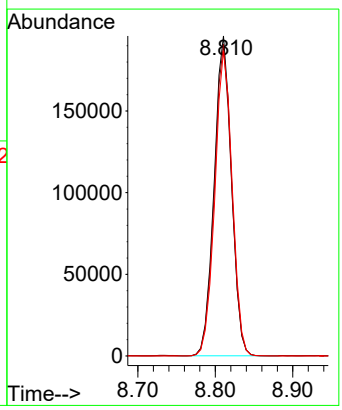


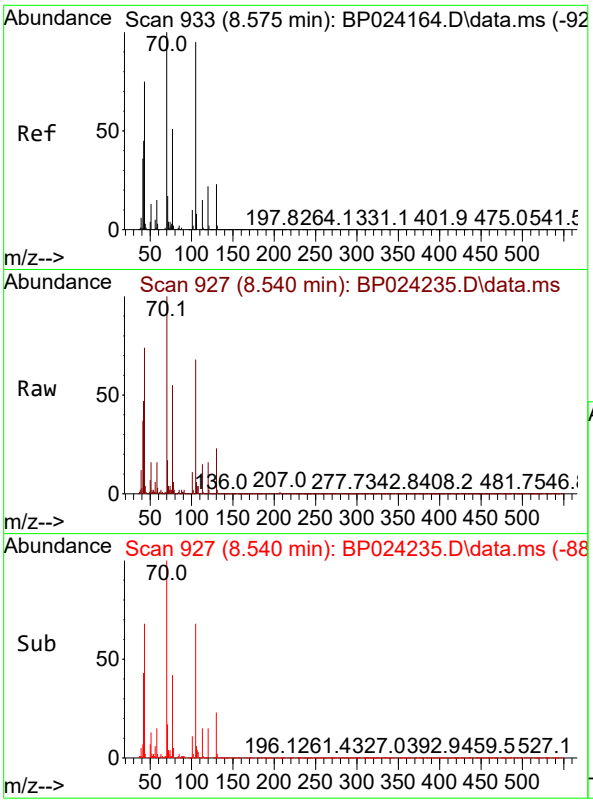


#18
Hexachloroethane
Concen: 42.568 ng
RT: 8.810 min Scan# 973
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:117 Resp: 304911

Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.4	116.0
201	95.3	76.6	114.8



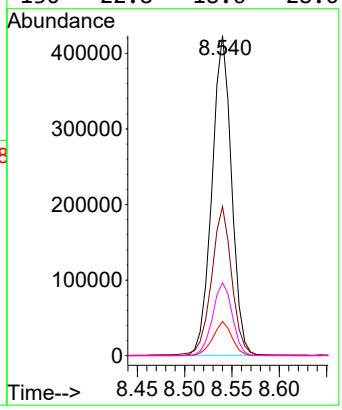


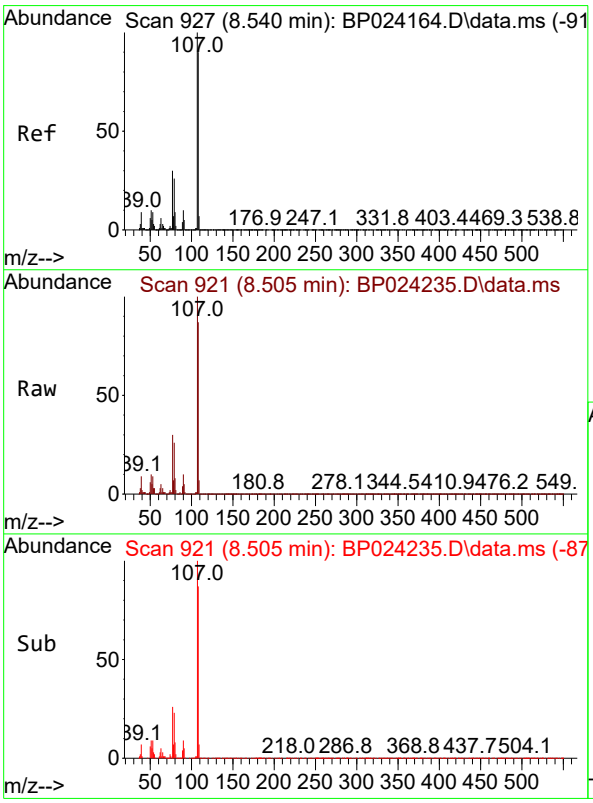
#19
n-Nitroso-di-n-propylamine
Concen: 46.249 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 70 Resp: 609100

Ion	Ratio	Lower	Upper
70	100		
42	46.6	36.0	54.0
101	10.7	8.3	12.5
130	22.8	18.6	28.0

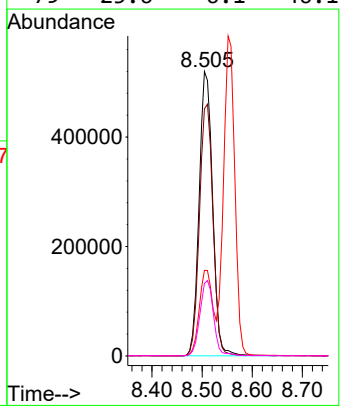


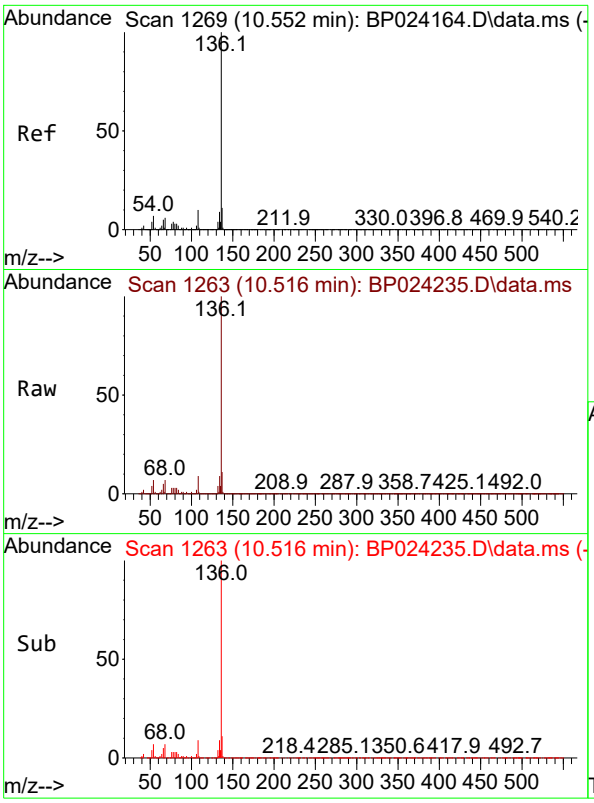


#20
3+4-Methylphenols
Concen: 49.120 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:107 Resp: 969793

Ion	Ratio	Lower	Upper
107	100		
108	86.9	69.7	109.7
77	30.1	10.3	50.3
79	25.6	6.1	46.1



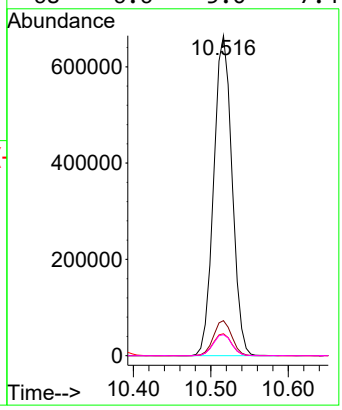


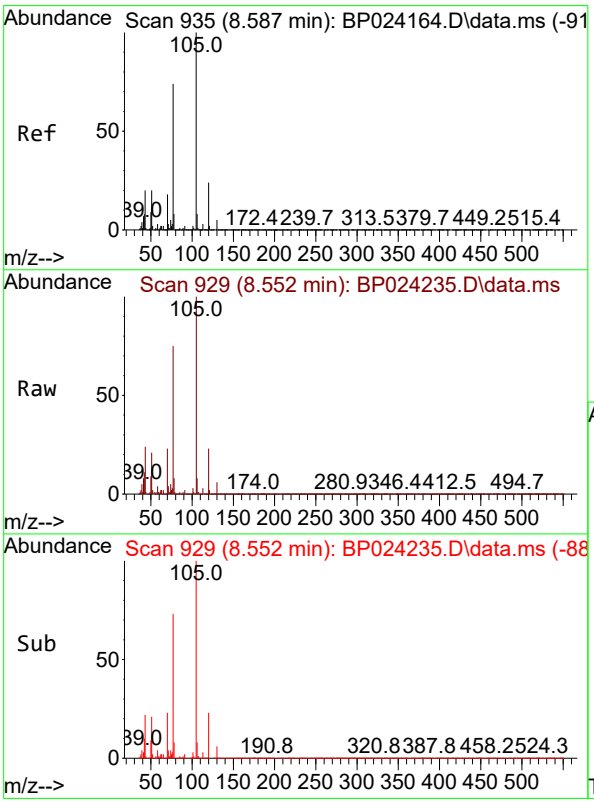
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:136 Resp: 1090214

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.8	5.3	7.9
68	6.6	5.0	7.4

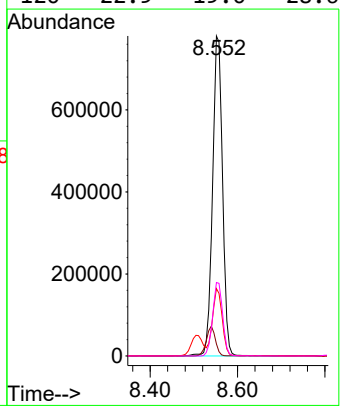


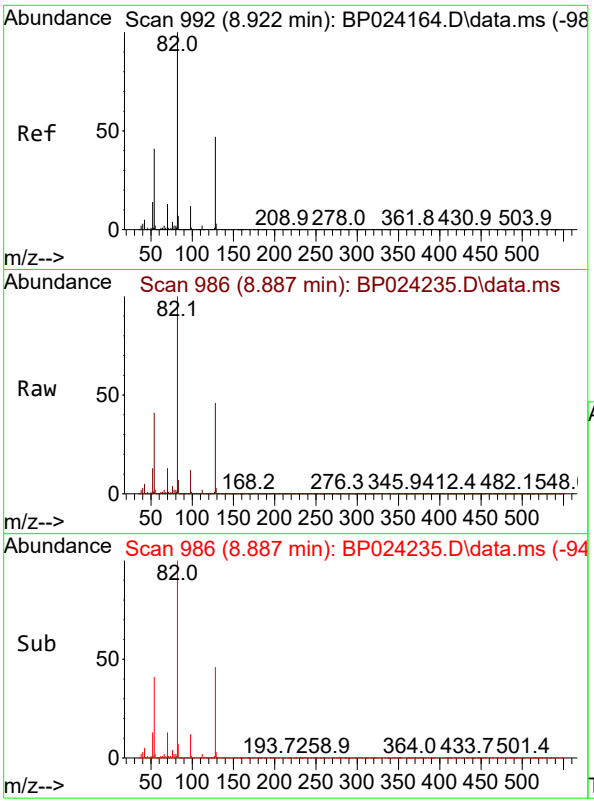


#22
Acetophenone
Concen: 44.787 ng
RT: 8.552 min Scan# 929
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:105 Resp: 1234466

Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.4	3.6#
51	21.1	16.2	24.2
120	22.9	19.0	28.6



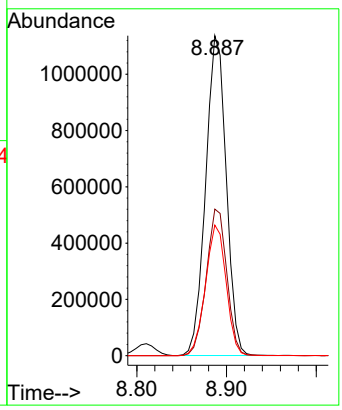


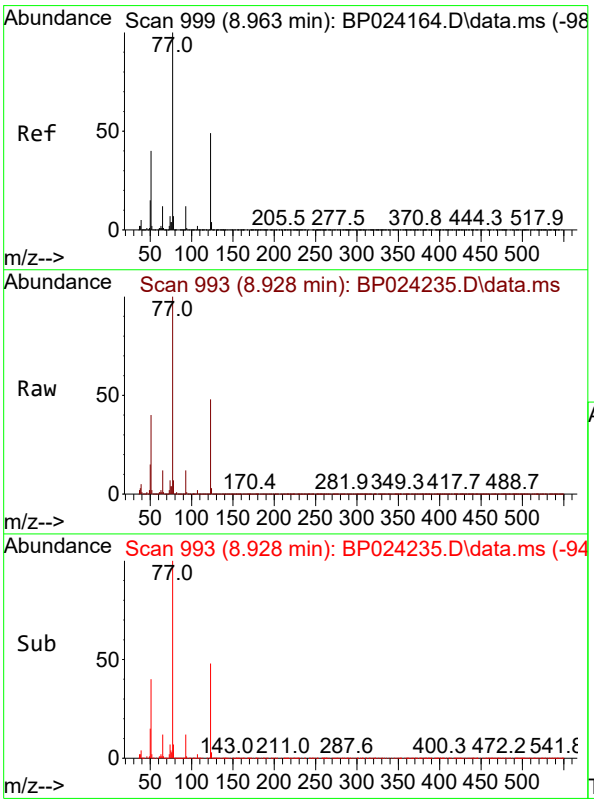
#23
Nitrobenzene-d5
Concen: 93.579 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 82 Resp: 1808210

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.4	56.0
54	40.8	32.5	48.7

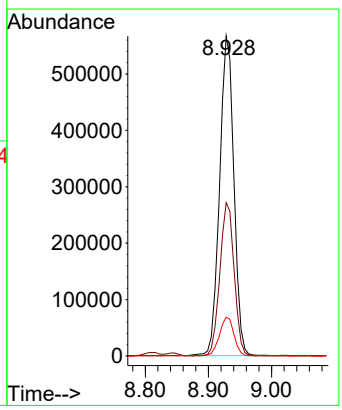


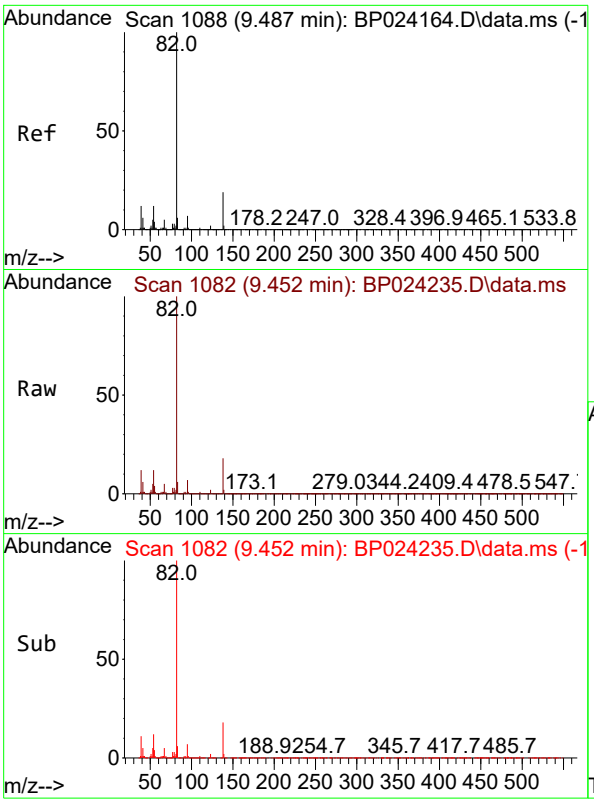


#24
Nitrobenzene
Concen: 46.804 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 77 Resp: 892165

Ion	Ratio	Lower	Upper
77	100		
123	47.9	39.4	59.2
65	12.1	9.9	14.9



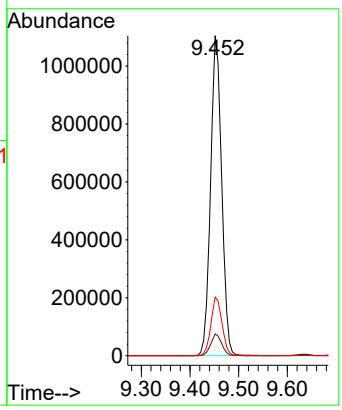


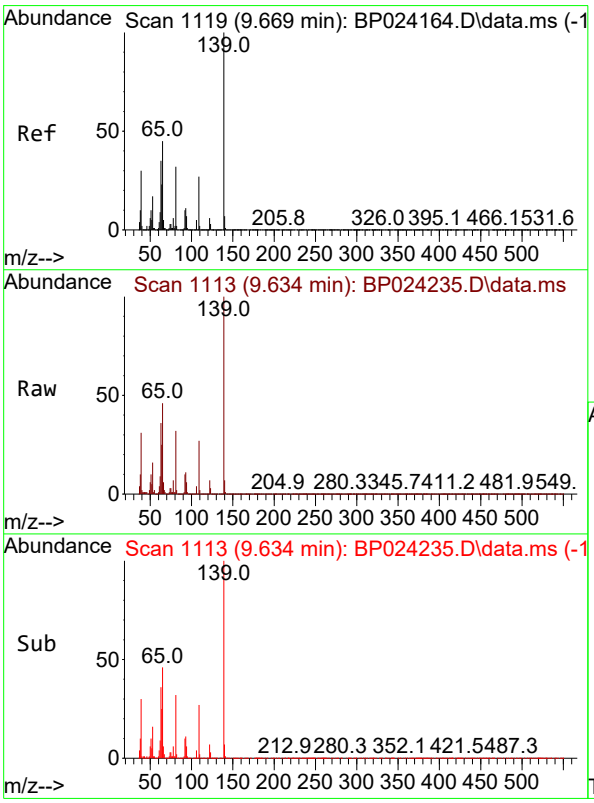
#25
Isophorone
Concen: 52.523 ng
RT: 9.452 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 82 Resp: 1739699

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.3	14.8	22.2

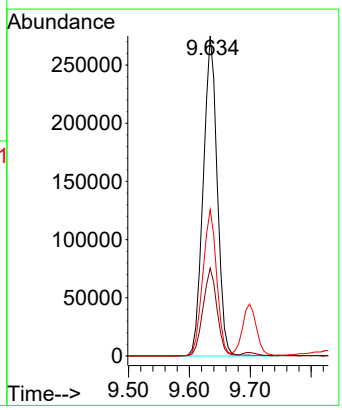


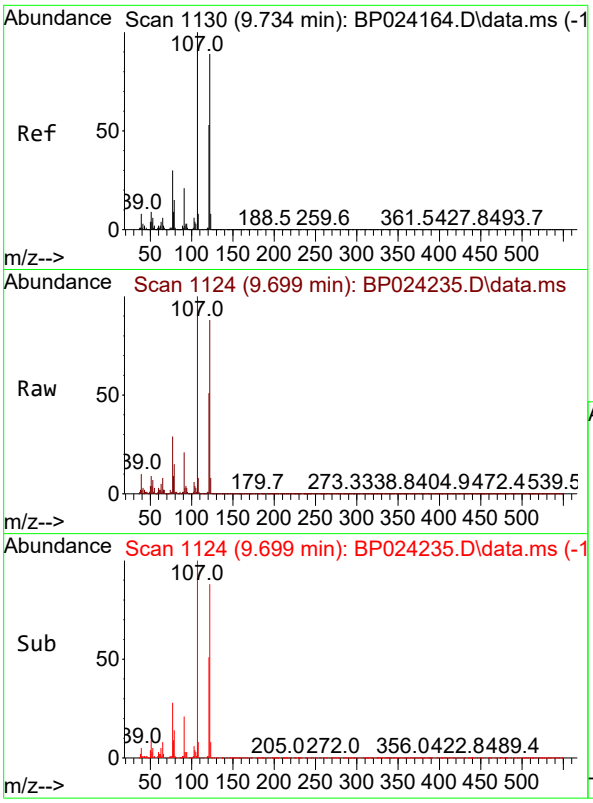


#26
2-Nitrophenol
Concen: 48.105 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:139 Resp: 438012

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.7	32.5
65	45.8	35.8	53.8



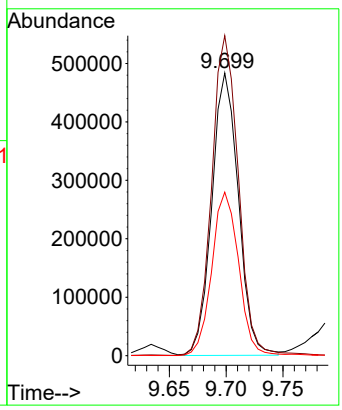


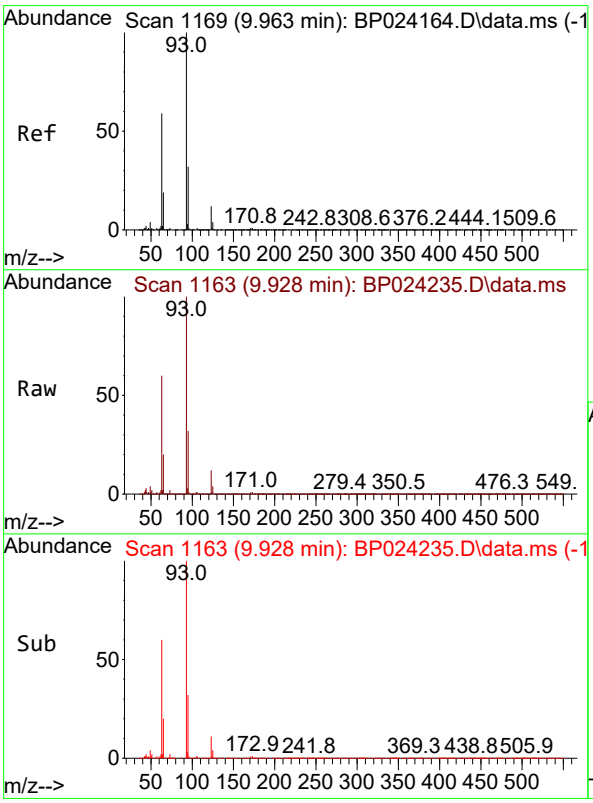
#27
2,4-Dimethylphenol
Concen: 67.179 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:122 Resp: 786545

Ion	Ratio	Lower	Upper
122	100		
107	113.2	89.3	133.9
121	57.9	47.5	71.3

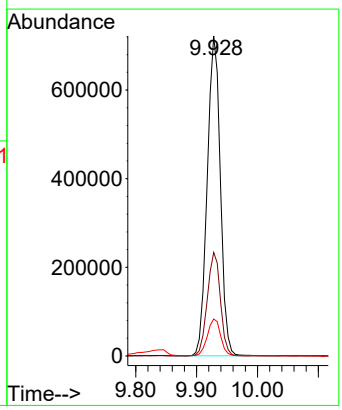


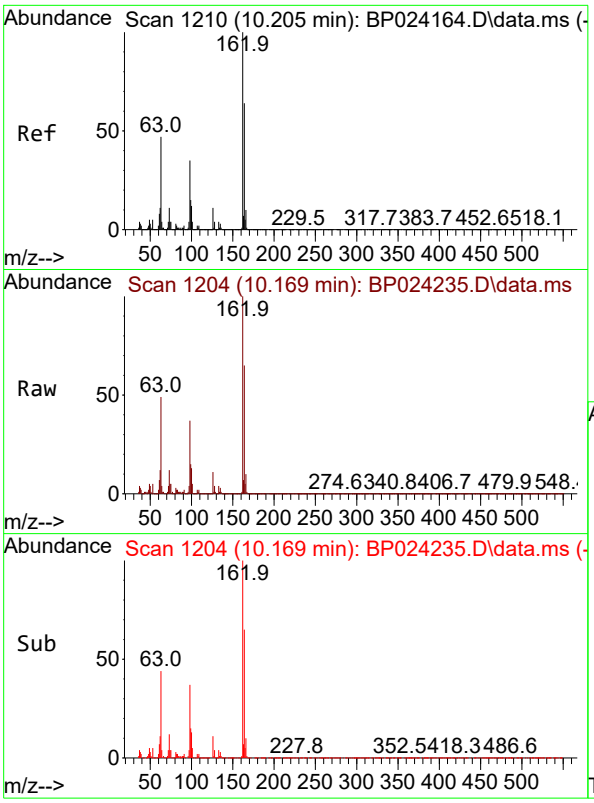


#28
bis(2-Chloroethoxy)methane
Concen: 46.317 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 93 Resp: 1079269

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.5	9.5	14.3



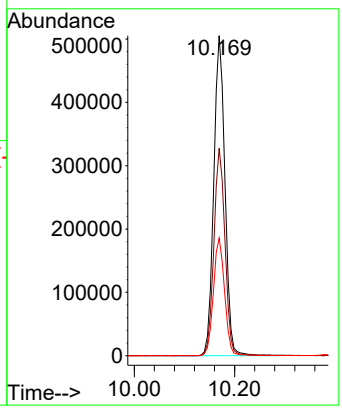


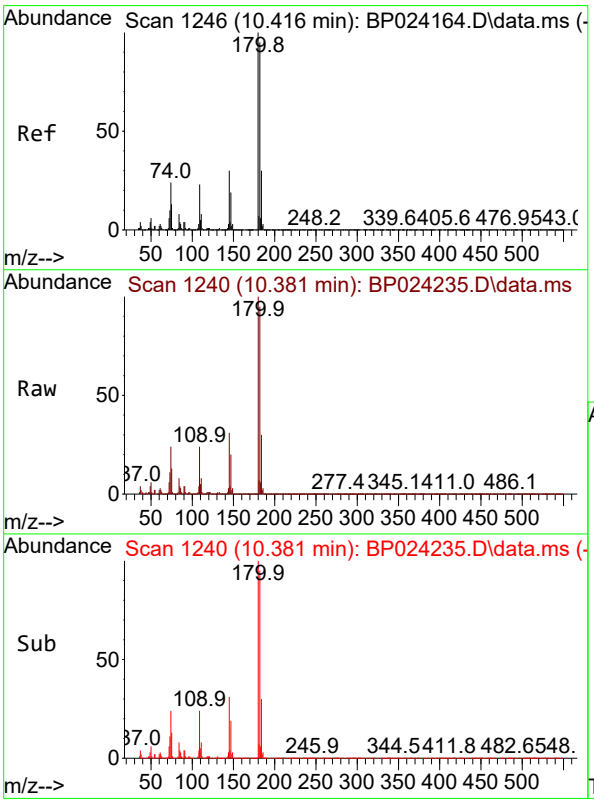
#29
2,4-Dichlorophenol
Concen: 49.258 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:162 Resp: 780174

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	36.8	15.1	55.1

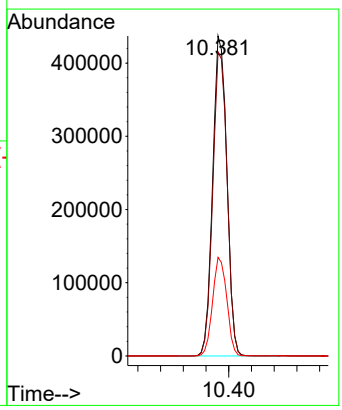


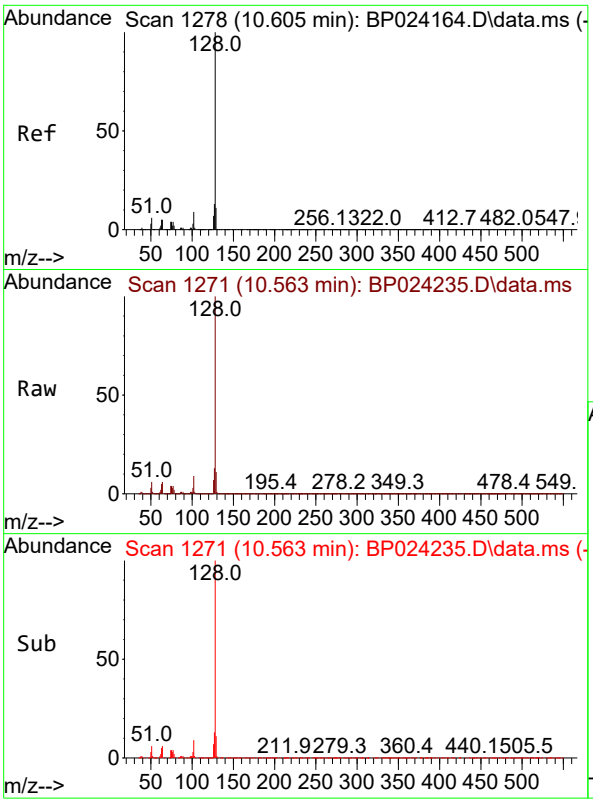


#30
1,2,4-Trichlorobenzene
Concen: 43.144 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:180 Resp: 754982

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	30.8	24.2	36.2



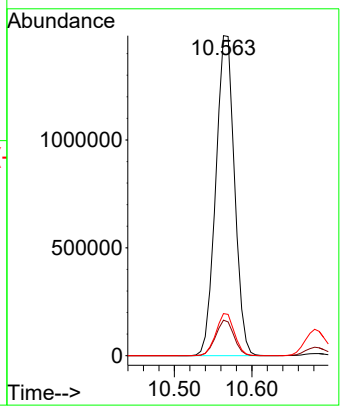


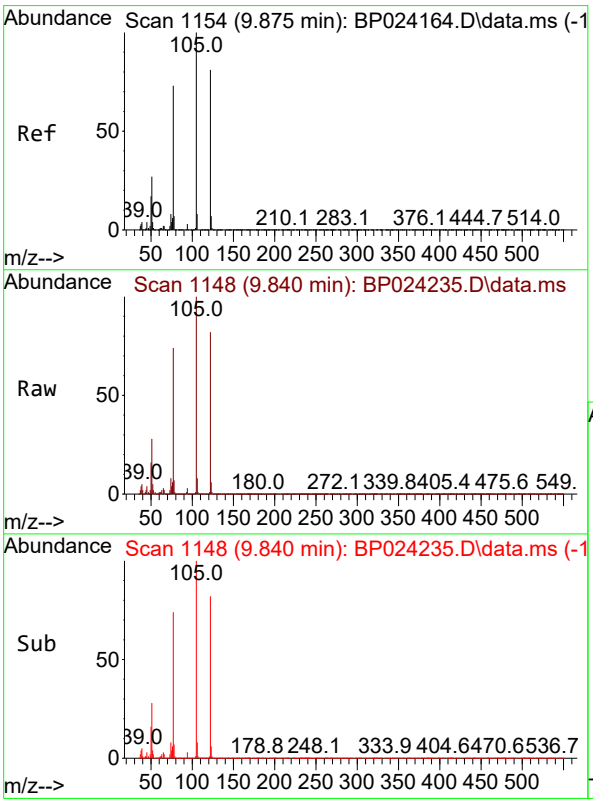
#31
Naphthalene
Concen: 43.181 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.041 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:128 Resp: 2495466

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.4	15.6

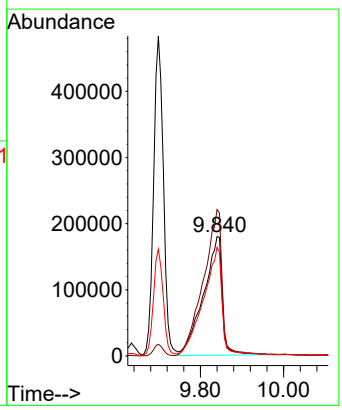


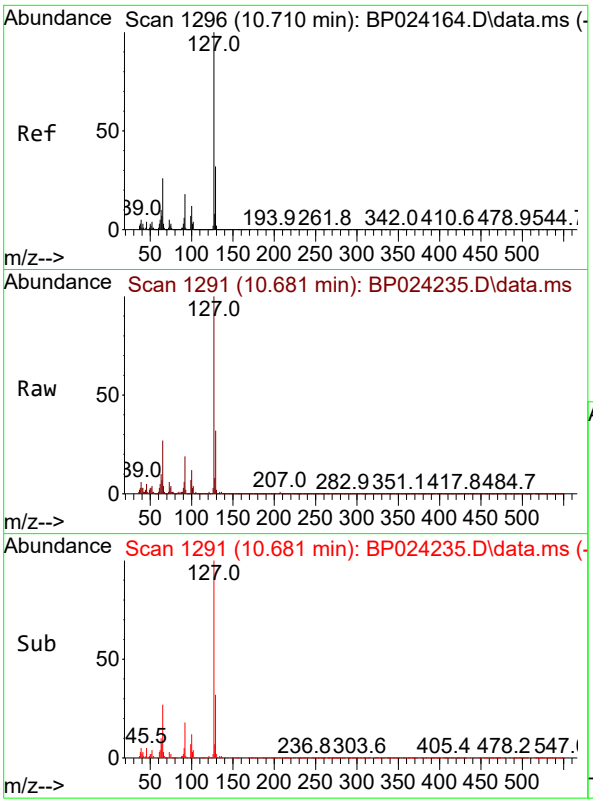


#32
Benzoic acid
Concen: 49.414 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:122 Resp: 564235

Ion	Ratio	Lower	Upper
122	100		
105	122.7	100.3	140.3
77	90.9	69.1	109.1



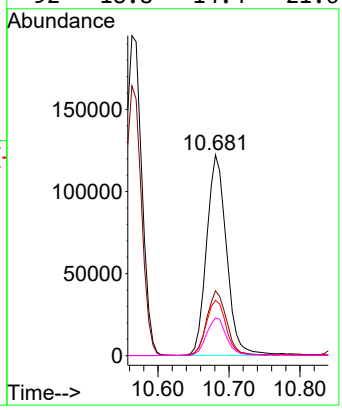


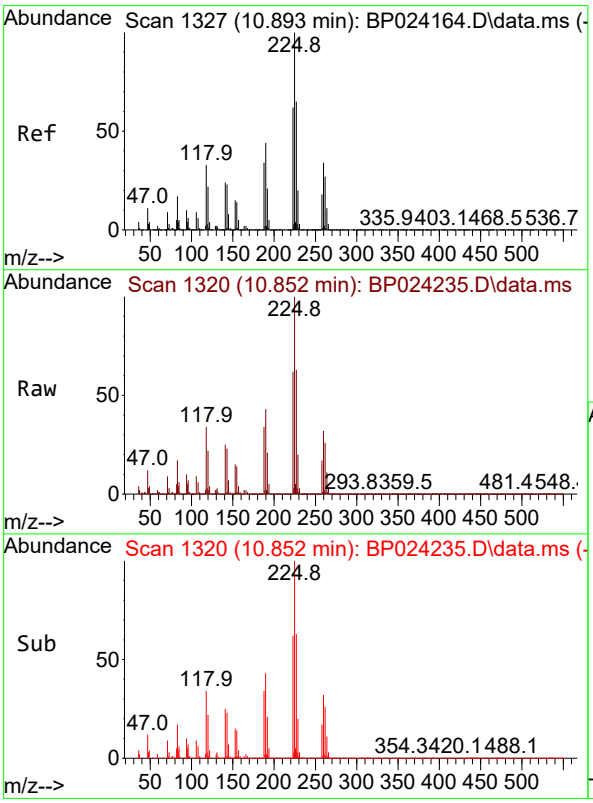
#33
4-Chloroaniline
Concen: 11.517 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:127 Resp: 238189

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	27.5	21.2	31.8
92	18.8	14.4	21.6

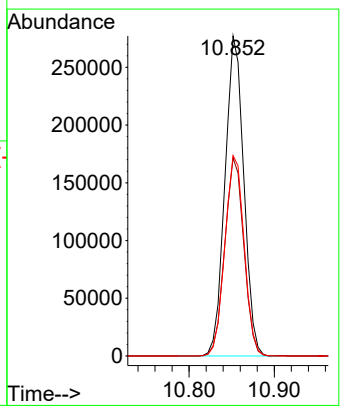


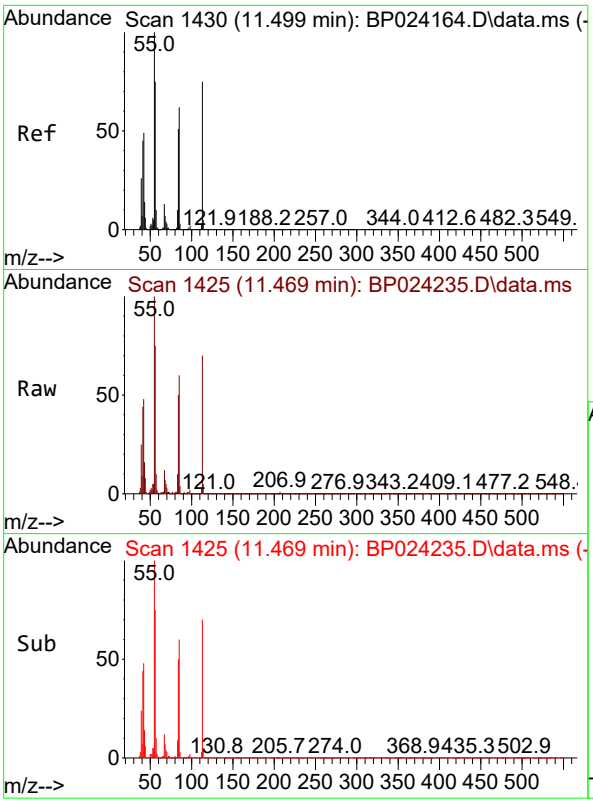


#34
Hexachlorobutadiene
Concen: 42.245 ng
RT: 10.852 min Scan# 1320
Delta R.T. -0.041 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:225 Resp: 425450

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.9	74.9
227	62.6	52.2	78.2



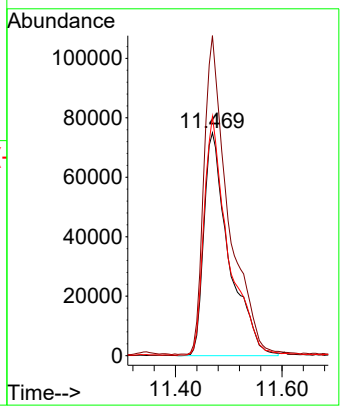


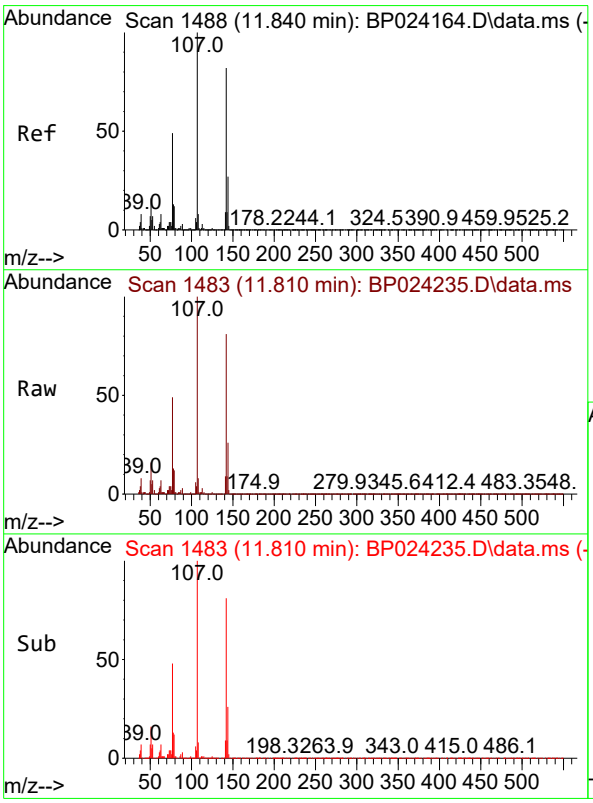
#35
Caprolactam
Concen: 46.894 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:113 Resp: 243422

Ion	Ratio	Lower	Upper
113	100		
55	143.6	113.6	153.6
56	107.3	80.0	120.0

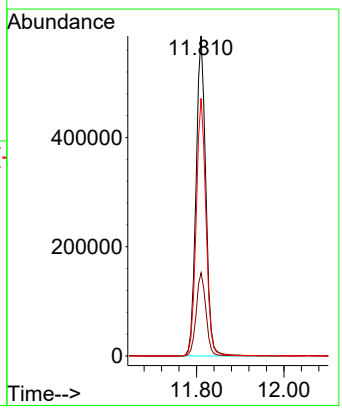


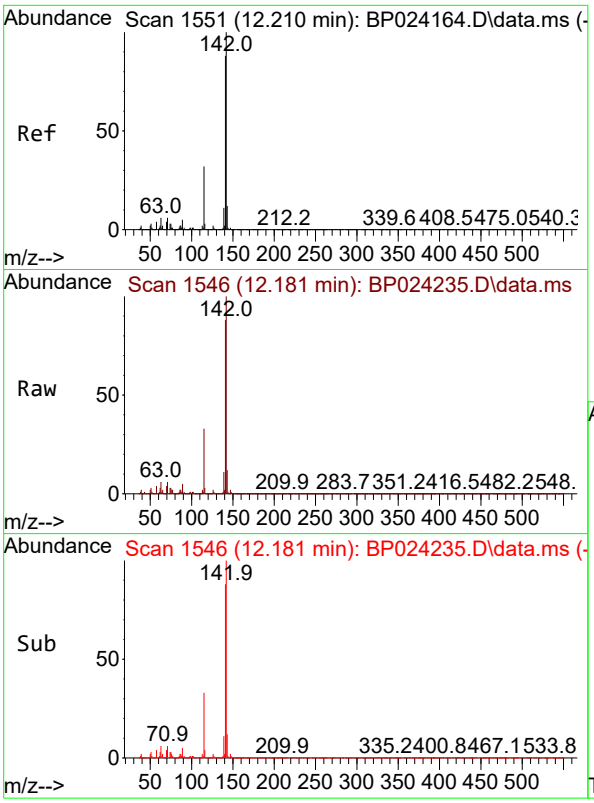


#36
4-Chloro-3-methylphenol
Concen: 53.283 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:107 Resp: 910400

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.6	32.4
142	80.5	65.4	98.0



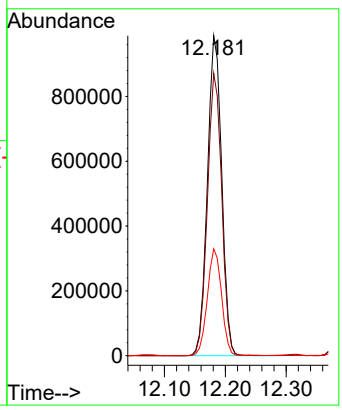


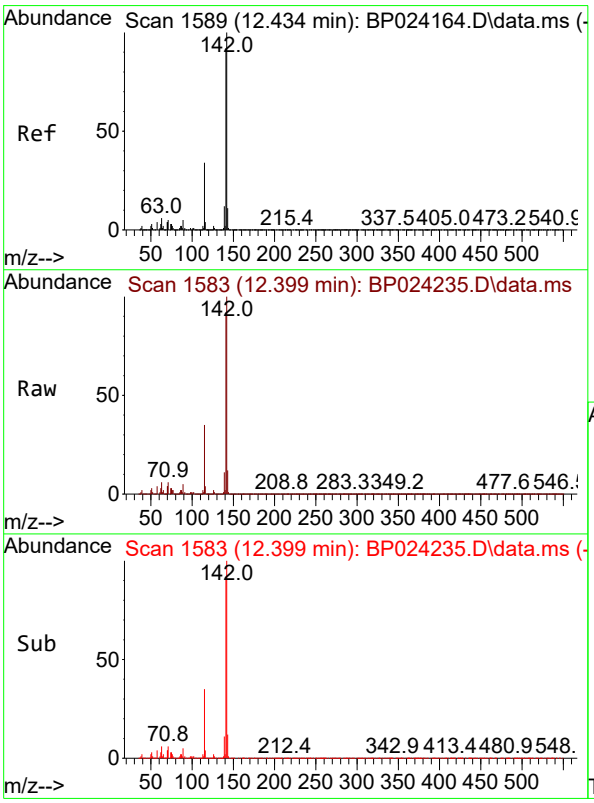
#37
2-Methylnaphthalene
Concen: 41.234 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:142 Resp: 1609854

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	33.4	26.0	39.0

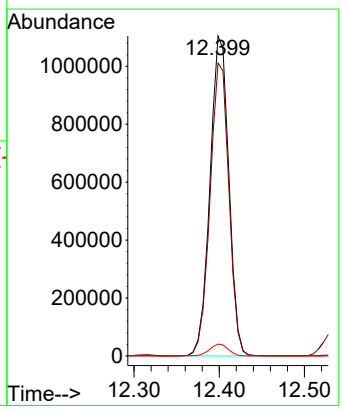


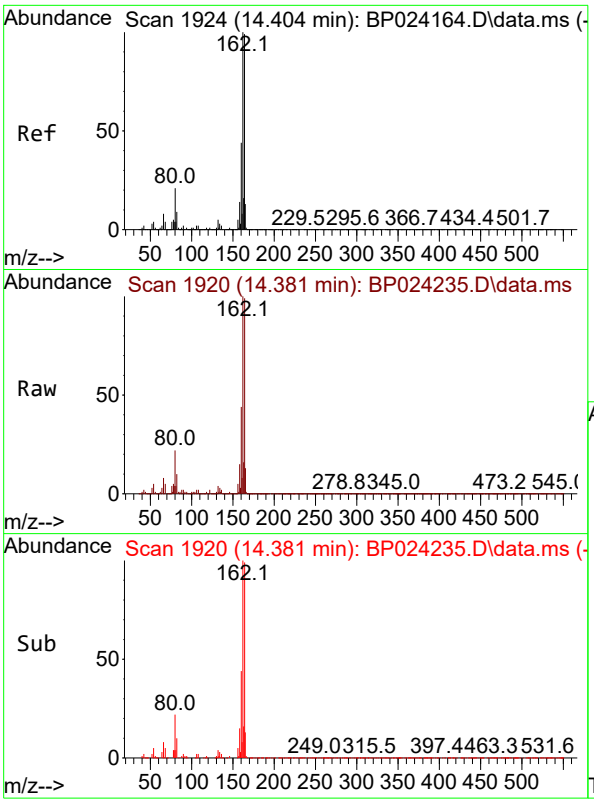


#38
1-Methylnaphthalene
Concen: 44.683 ng
RT: 12.399 min Scan# 1583
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:142 Resp: 1696761

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.9	110.9
116	3.7	2.8	4.2



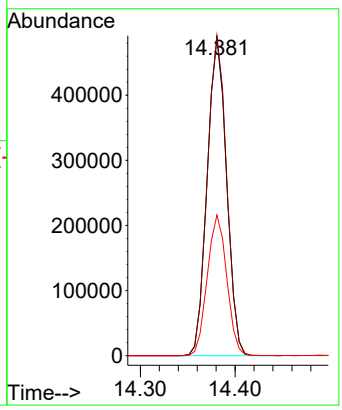


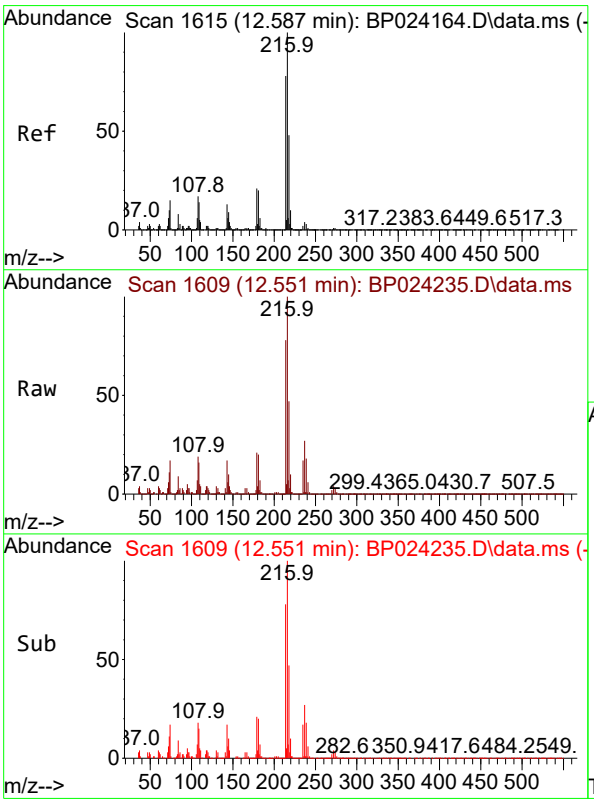
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:164 Resp: 692071

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	44.4	35.4	53.2

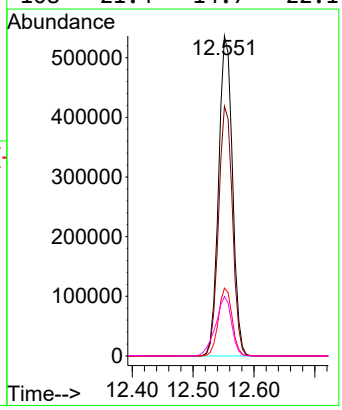


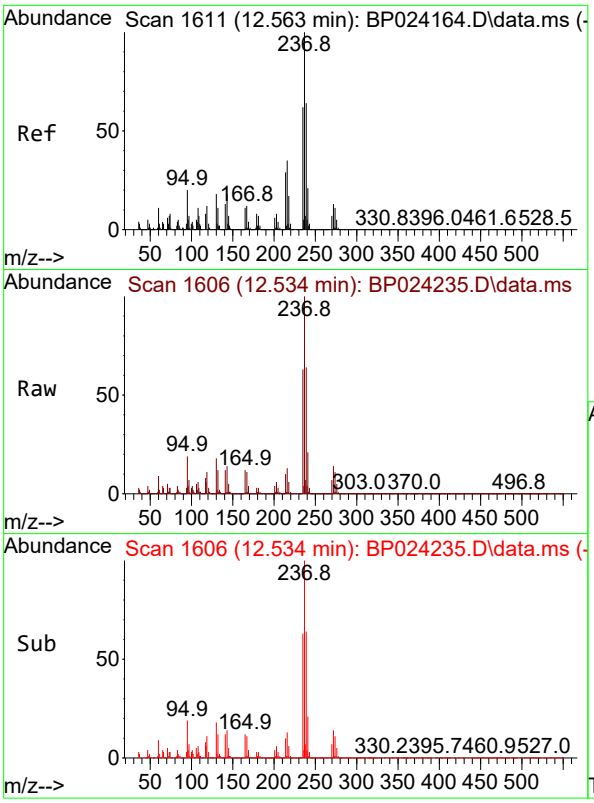


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.350 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:216 Resp: 847246

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.8	94.2
179	21.0	16.8	25.2
108	21.4	14.7	22.1



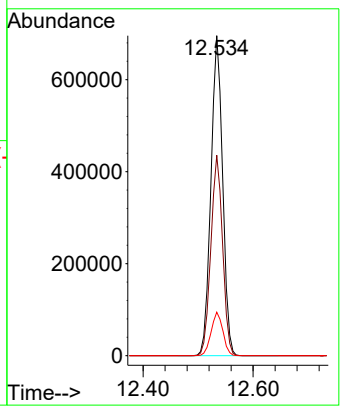


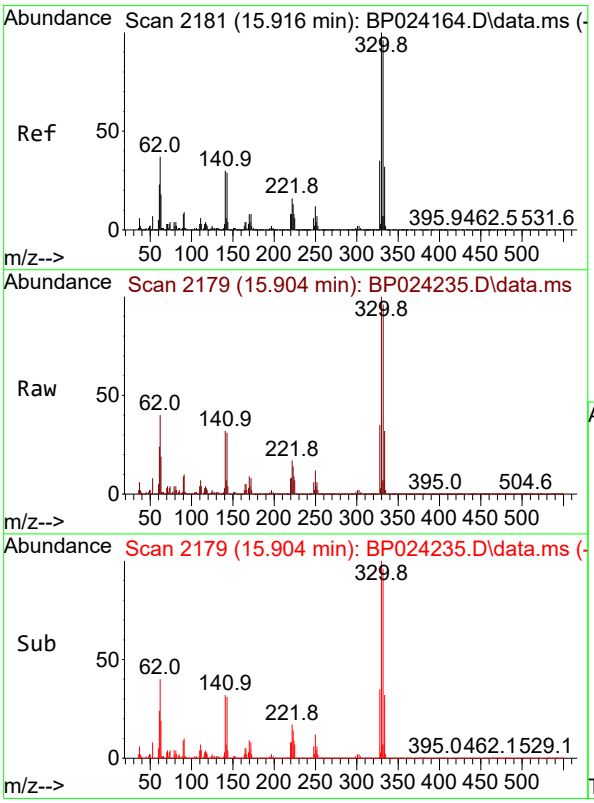
#41
Hexachlorocyclopentadiene
Concen: 142.287 ng
RT: 12.534 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:237 Resp: 1026085

Ion	Ratio	Lower	Upper
237	100		
235	62.6	41.8	81.8
272	13.6	0.0	33.5

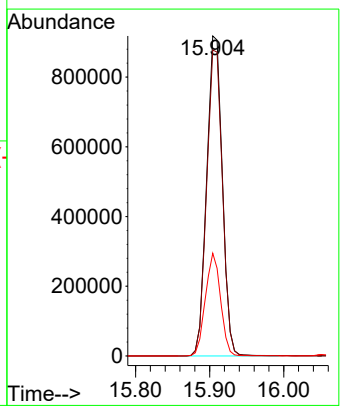


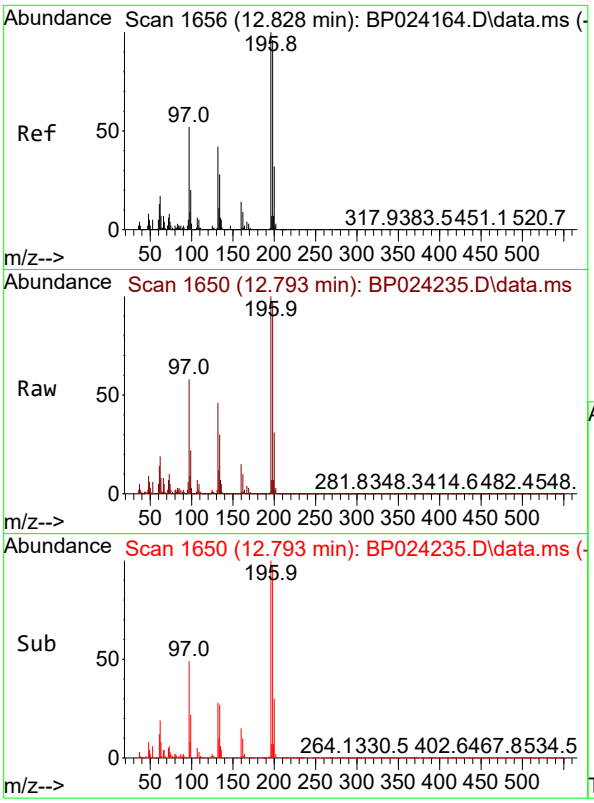


#42
2,4,6-Tribromophenol
Concen: 154.638 ng
RT: 15.904 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:330 Resp: 1348057

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	31.2	25.0	37.6



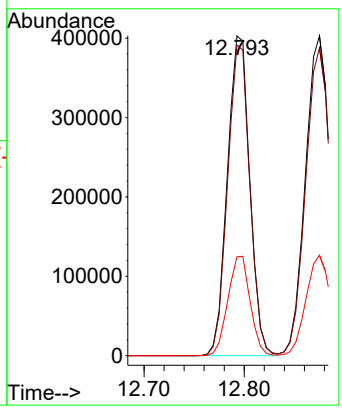


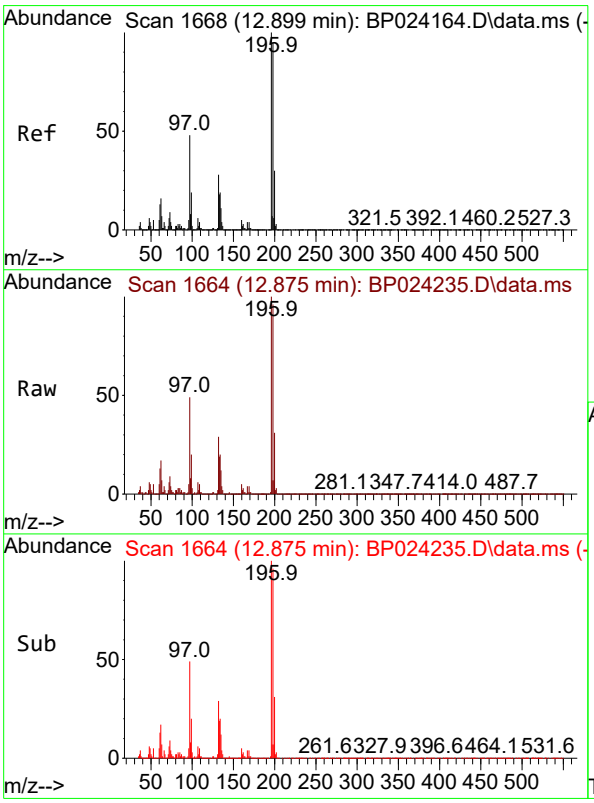
#43
2,4,6-Trichlorophenol
Concen: 49.322 ng
RT: 12.793 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:196 Resp: 627082

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	115.0
200	30.9	25.4	38.0

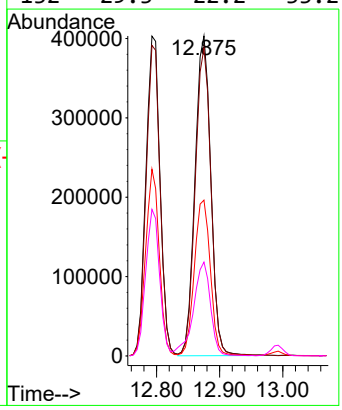


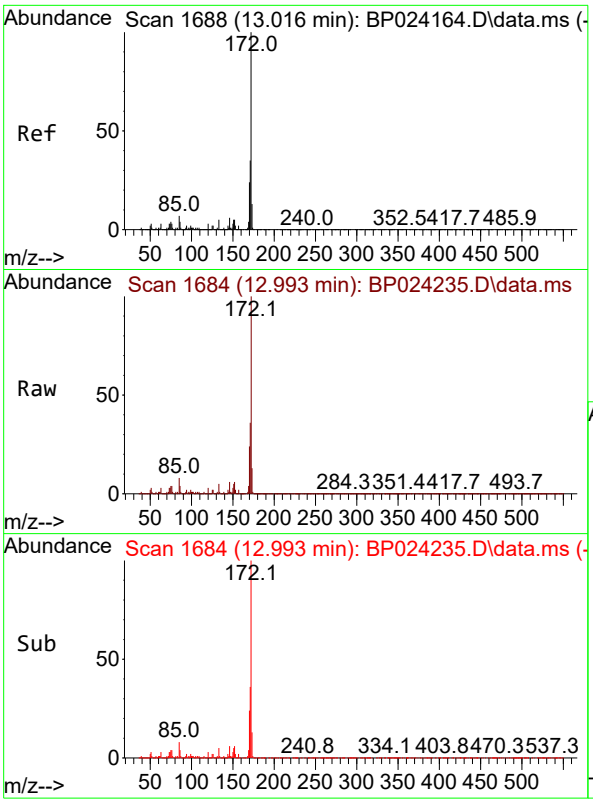


#44
2,4,5-Trichlorophenol
Concen: 50.306 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:196 Resp: 701418

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.5	114.7
97	48.7	38.7	58.1
132	29.3	22.2	33.2



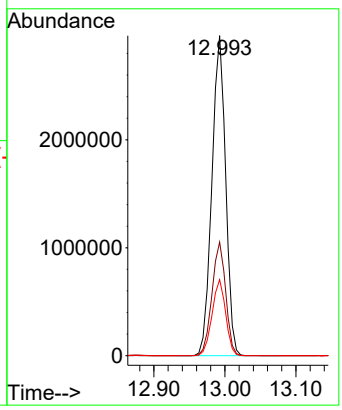


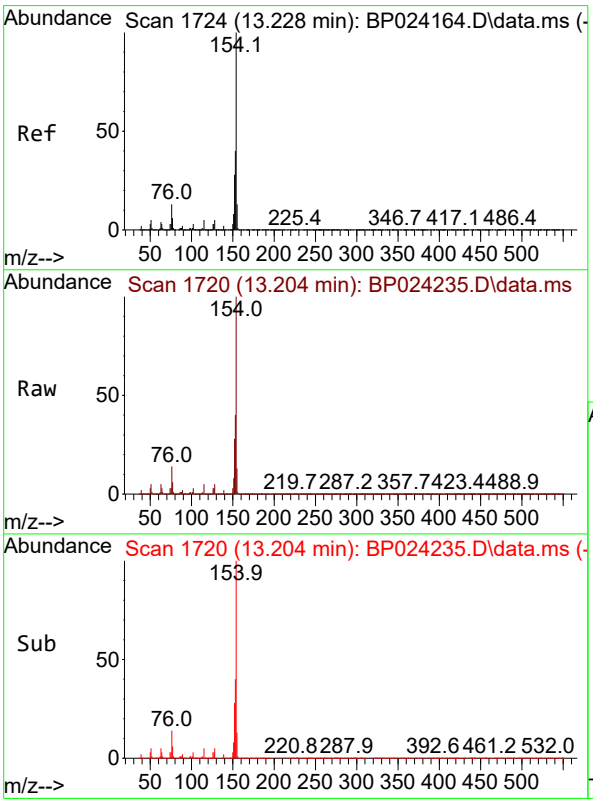
#45
2-Fluorobiphenyl
Concen: 84.843 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:172 Resp: 3982098

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

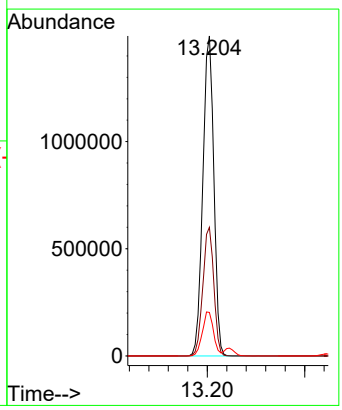


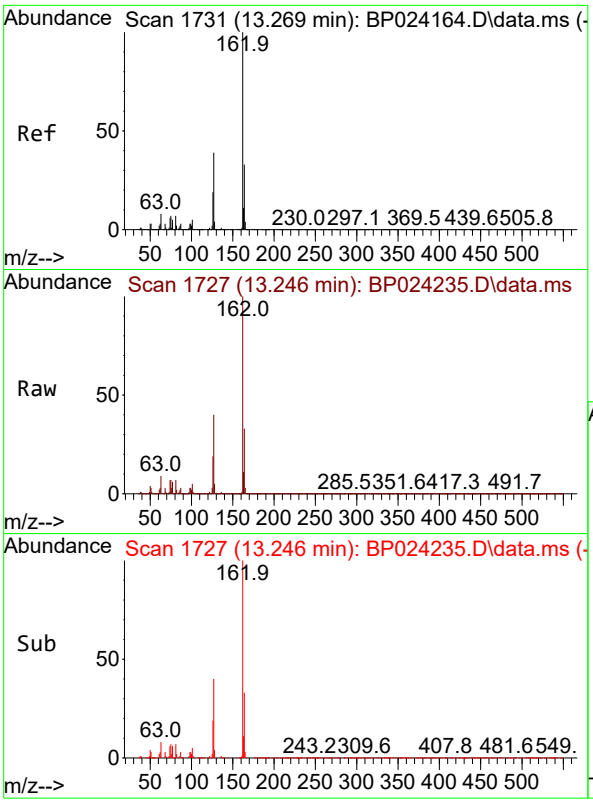


#46
1,1'-Biphenyl
Concen: 44.829 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:154 Resp: 2331388

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	13.6	0.0	32.9



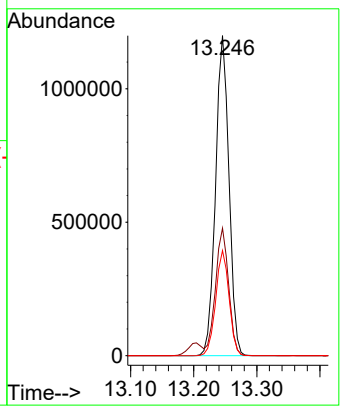


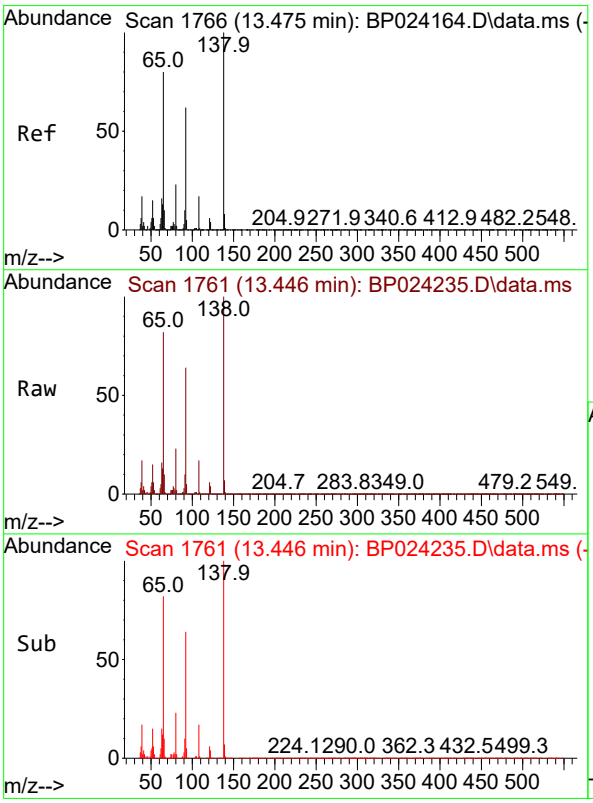
#47
2-Chloronaphthalene
Concen: 45.030 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:162 Resp: 1761462

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.5	47.3
164	32.8	26.6	39.8

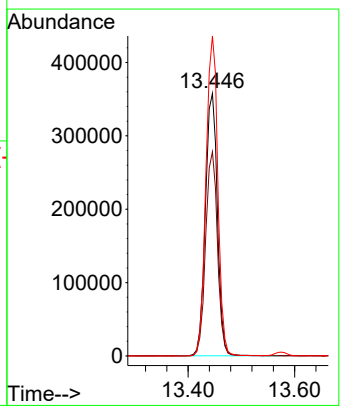


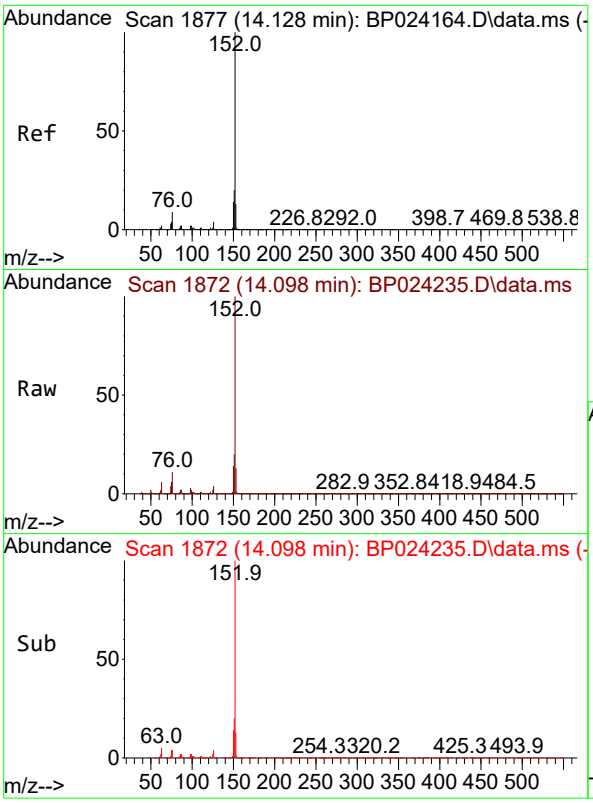


#48
2-Nitroaniline
Concen: 55.773 ng
RT: 13.446 min Scan# 1761
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion: 65 Resp: 558019

Ion	Ratio	Lower	Upper
65	100		
92	77.8	62.1	93.1
138	121.8	99.5	149.3



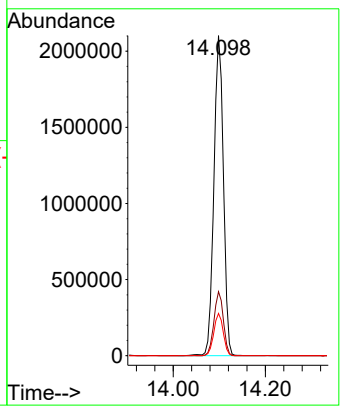


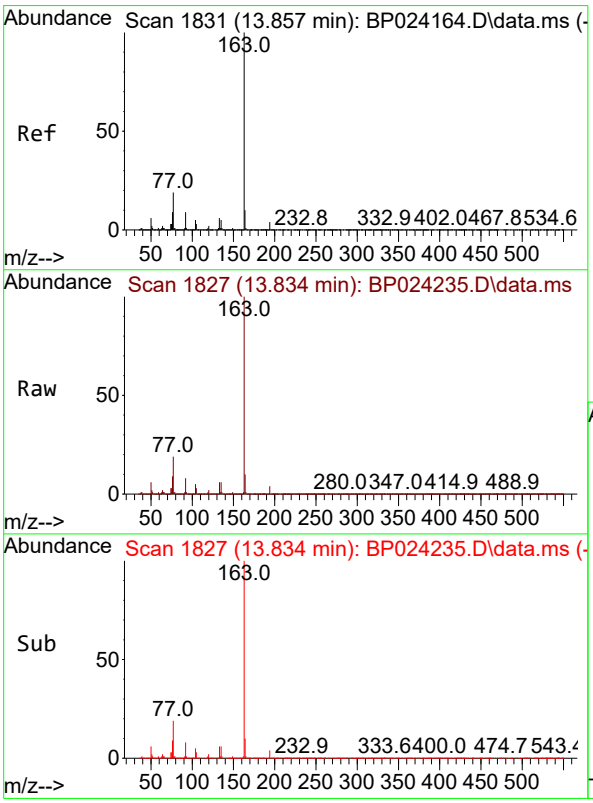
#49
Acenaphthylene
Concen: 50.797 ng
RT: 14.098 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:152 Resp: 3006607

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

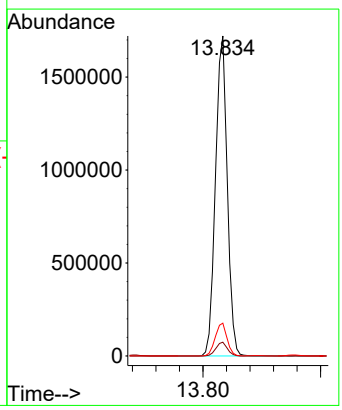


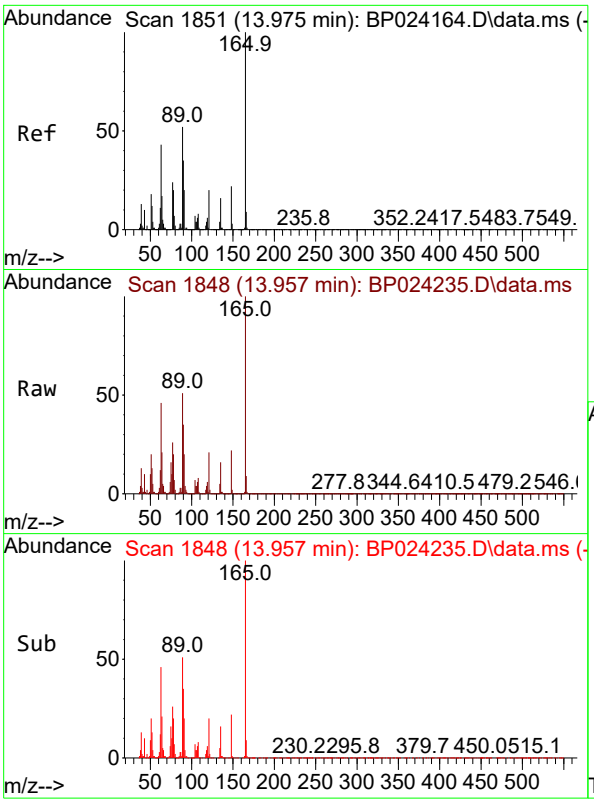


#50
Dimethylphthalate
Concen: 49.497 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:163 Resp: 2396925

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.2	8.2	12.4



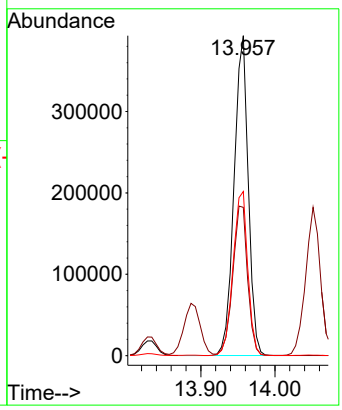


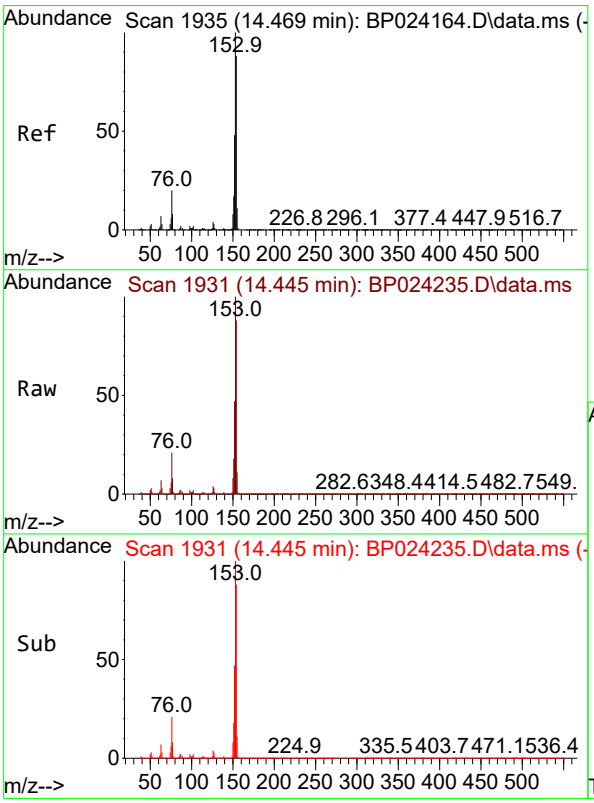
#51
2,6-Dinitrotoluene
Concen: 51.265 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:165 Resp: 522334

Ion	Ratio	Lower	Upper
165	100		
63	46.3	37.7	56.5
89	51.3	41.9	62.9

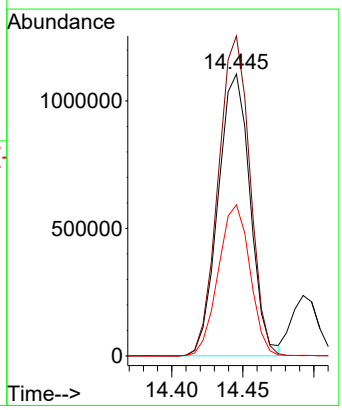


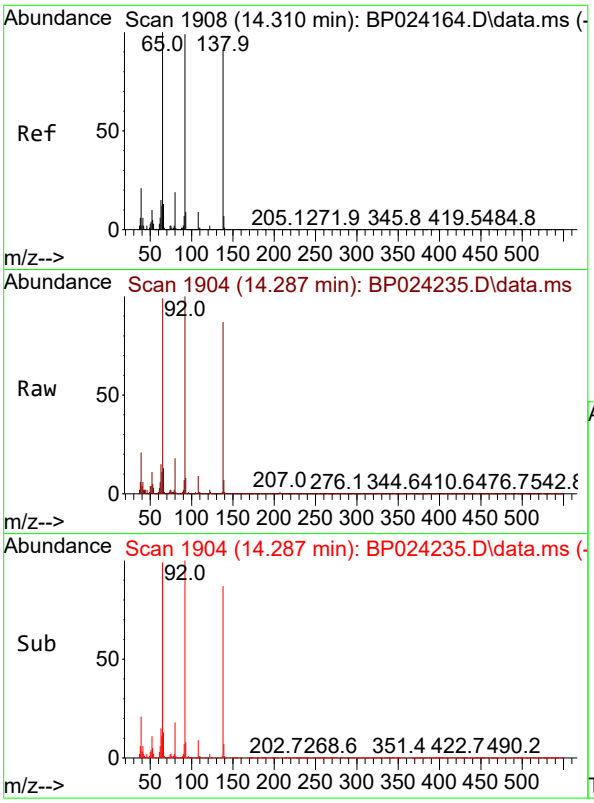


#52
Acenaphthene
Concen: 45.859 ng
RT: 14.445 min Scan# 1931
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:154 Resp: 1734273

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.5	135.7
152	53.6	43.1	64.7



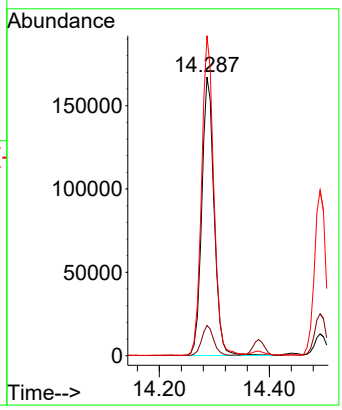


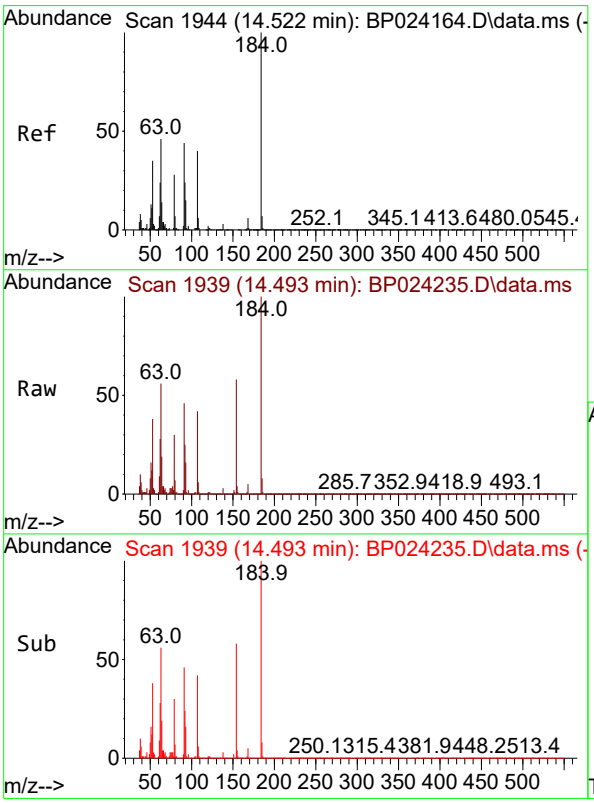
#53
3-Nitroaniline
Concen: 23.562 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:138 Resp: 259293

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.2	12.2
92	114.9	86.7	130.1

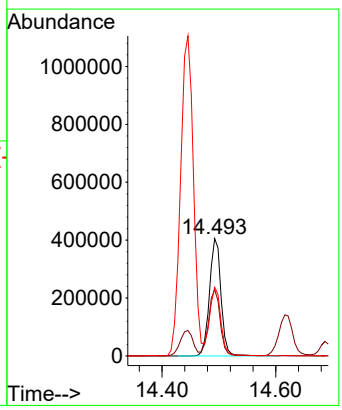


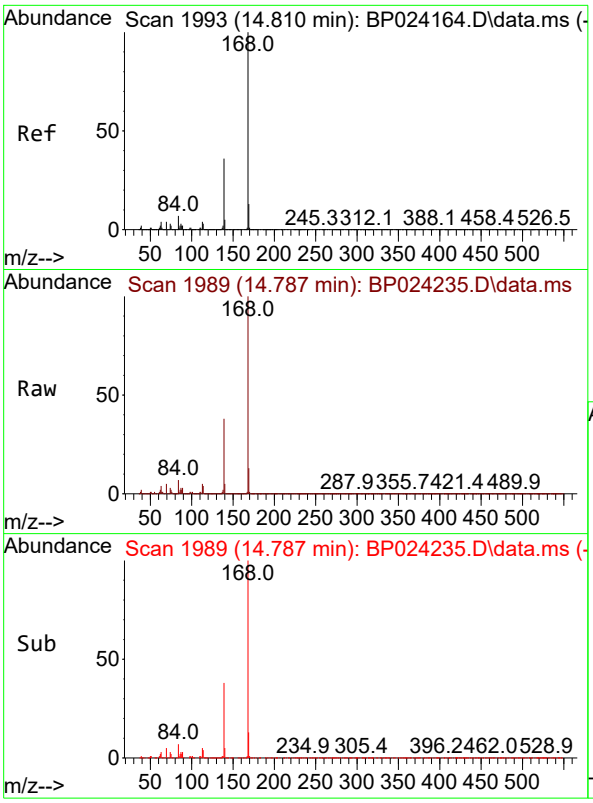


#54
2,4-Dinitrophenol
Concen: 105.574 ng
RT: 14.493 min Scan# 1939
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:184 Resp: 569182

Ion	Ratio	Lower	Upper
184	100		
63	56.4	42.1	63.1
154	58.5	44.6	67.0



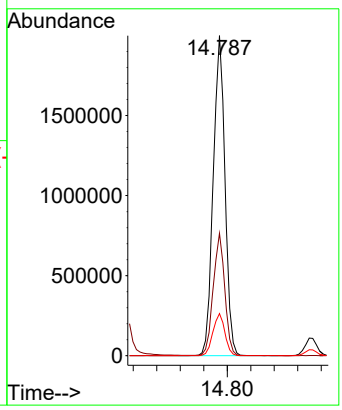


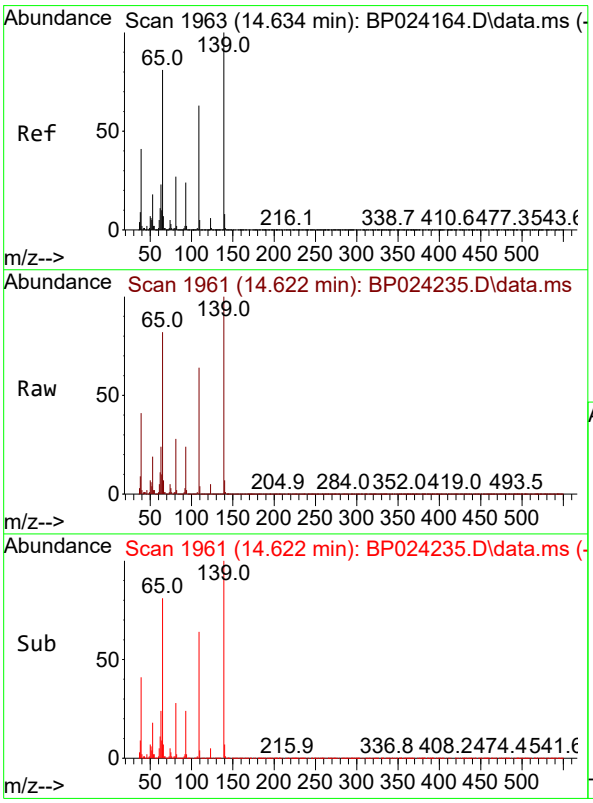
#55
Dibenzofuran
Concen: 45.306 ng
RT: 14.787 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:168 Resp: 2775341

Ion	Ratio	Lower	Upper
168	100		
139	38.3	29.1	43.7
169	13.2	10.8	16.2

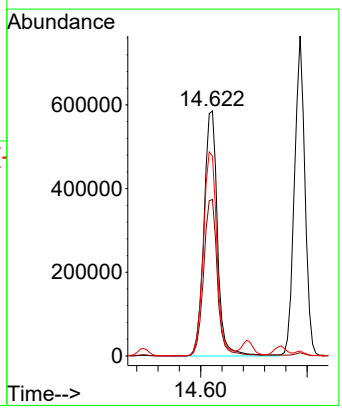


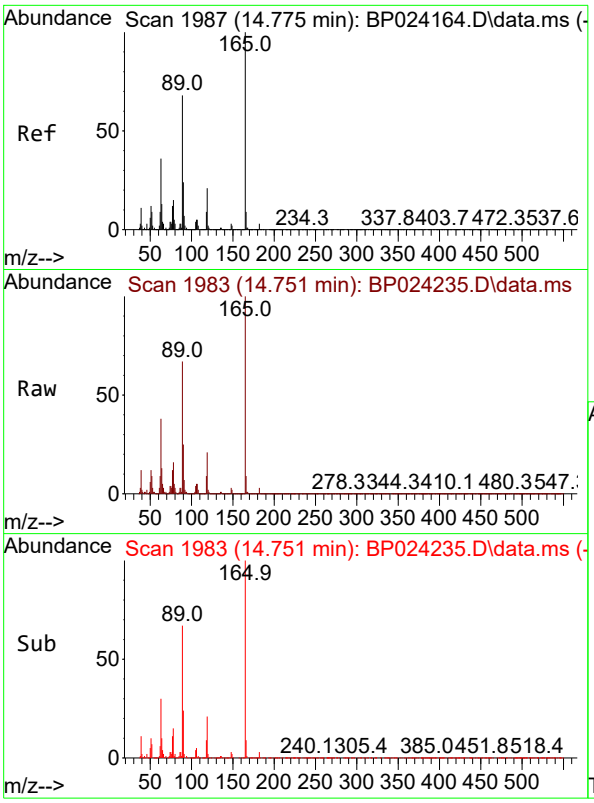


#56
4-Nitrophenol
Concen: 112.334 ng
RT: 14.622 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:139 Resp: 1032945

Ion	Ratio	Lower	Upper
139	100		
109	63.9	43.3	83.3
65	81.6	61.2	101.2



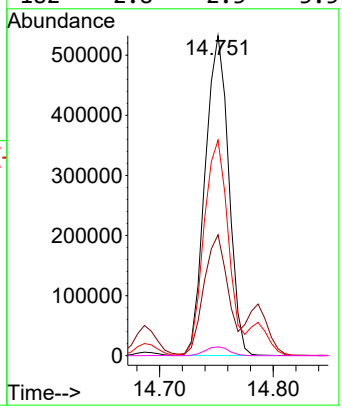


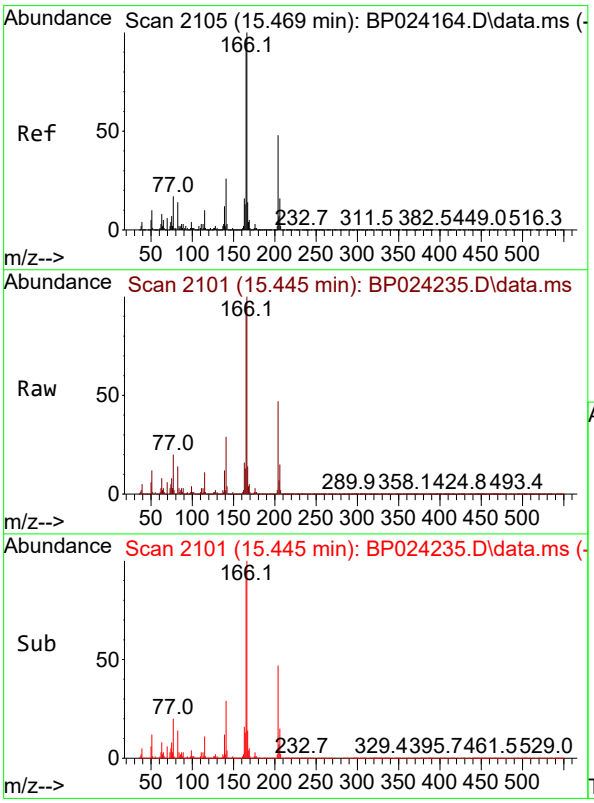
#57
2,4-Dinitrotoluene
Concen: 56.711 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:165 Resp: 763255

Ion	Ratio	Lower	Upper
165	100		
63	37.8	29.0	43.6
89	67.3	54.2	81.4
182	2.8	2.3	3.5

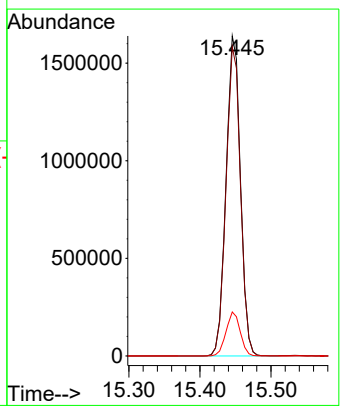


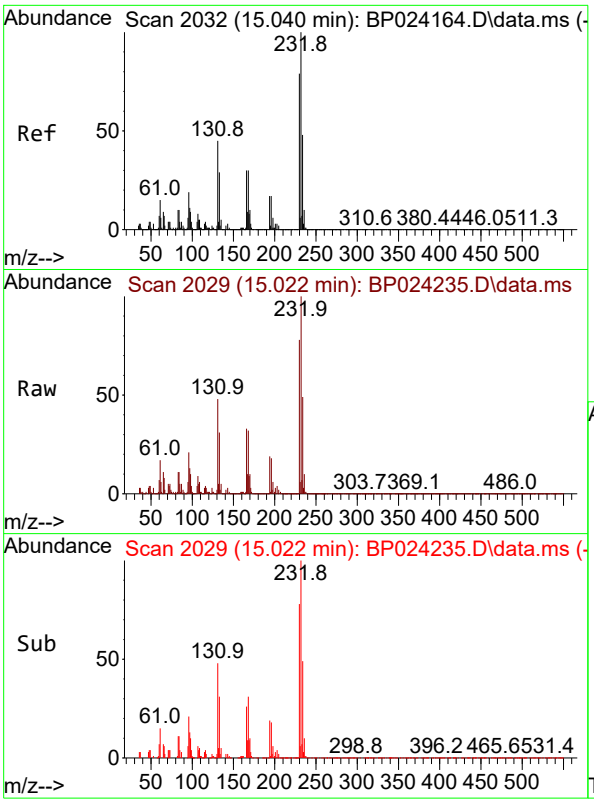


#58
Fluorene
Concen: 48.035 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:166 Resp: 2292612

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.6	116.4
167	13.7	10.8	16.2



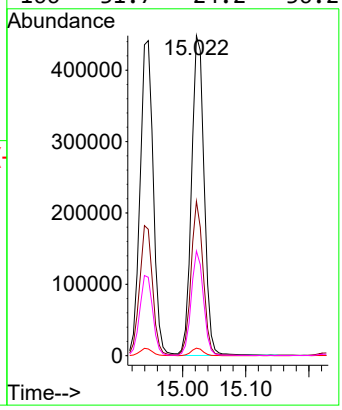


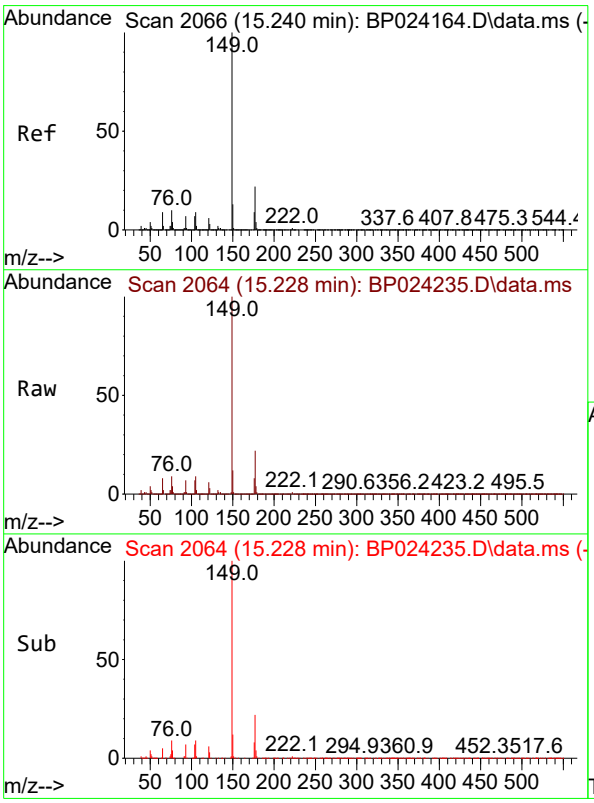
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.387 ng
RT: 15.022 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:232 Resp: 620712

Ion	Ratio	Lower	Upper
232	100		
131	46.4	35.9	53.9
130	2.2	1.8	2.6
166	31.7	24.2	36.2

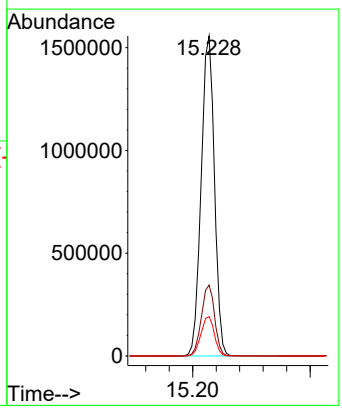


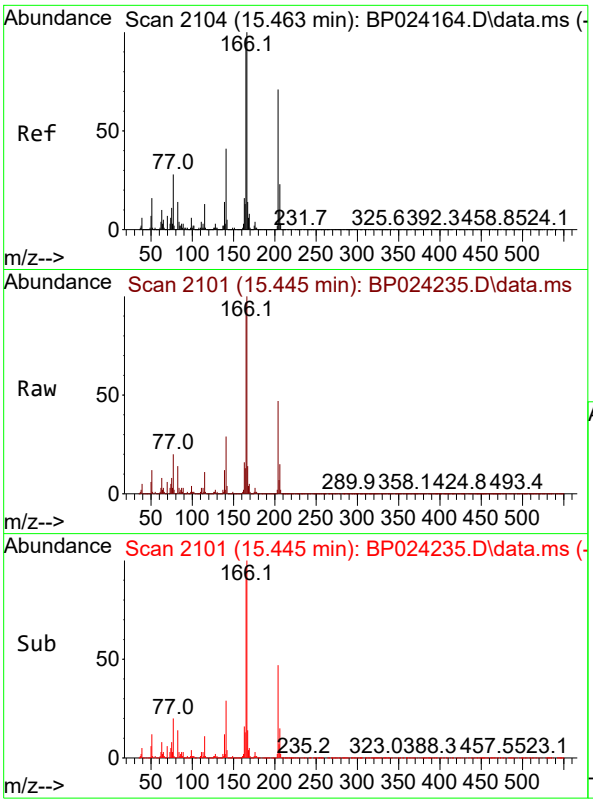


#60
Diethylphthalate
Concen: 50.386 ng
RT: 15.228 min Scan# 2064
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:149 Resp: 2429766

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.7	26.5
150	12.3	10.2	15.4



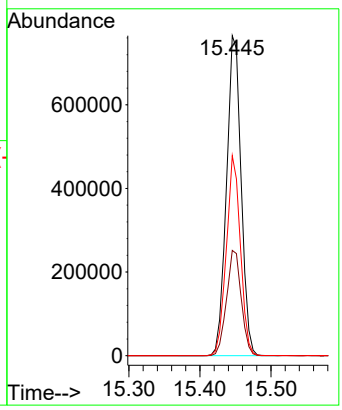


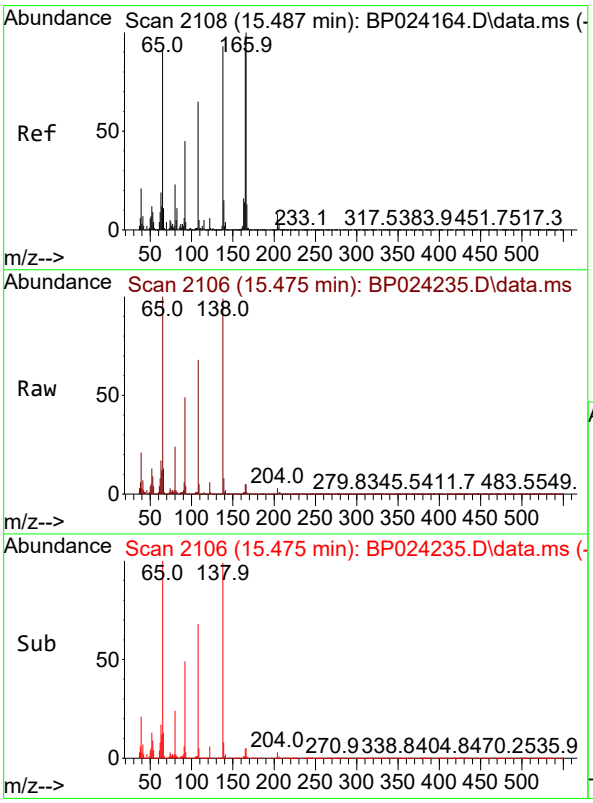
#61
4-Chlorophenyl-phenylether
Concen: 46.524 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:204 Resp: 1089083

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	62.5	45.8	68.8

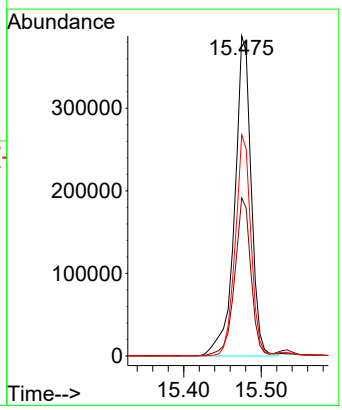


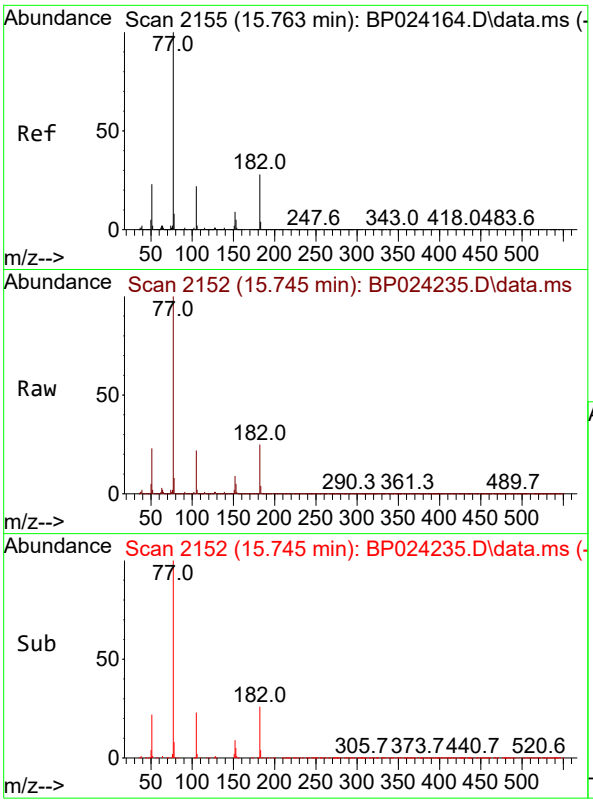


#62
4-Nitroaniline
Concen: 49.739 ng
RT: 15.475 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:138 Resp: 574089

Ion	Ratio	Lower	Upper
138	100		
92	49.4	28.7	68.7
108	69.1	49.5	89.5



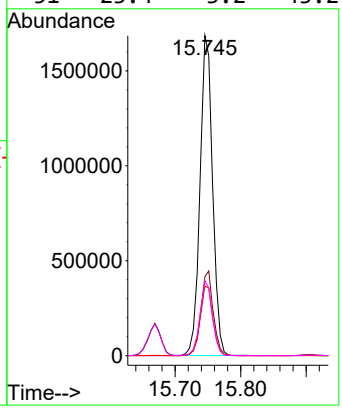


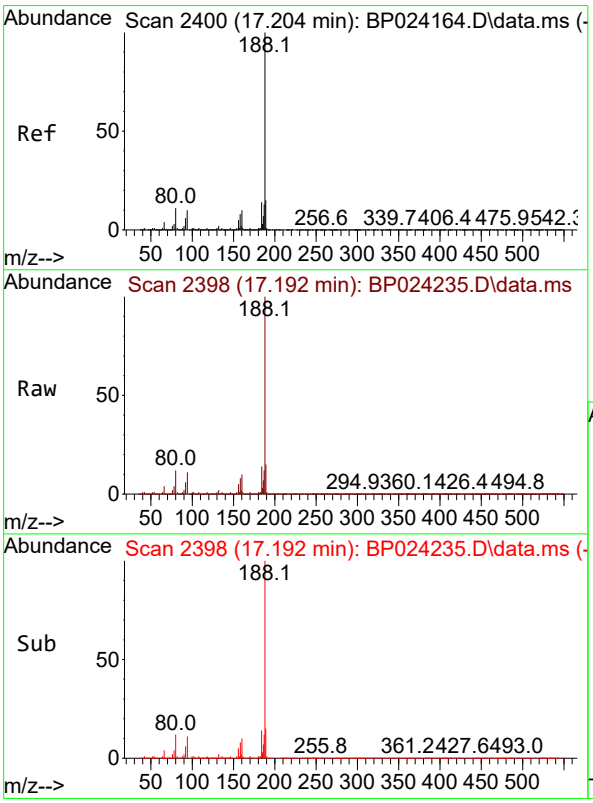
#63
Azobenzene
Concen: 49.613 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion: 77 Resp: 2255024

Ion	Ratio	Lower	Upper
77	100		
182	24.7	7.7	47.7
105	21.7	2.3	42.3
51	23.4	3.2	43.2

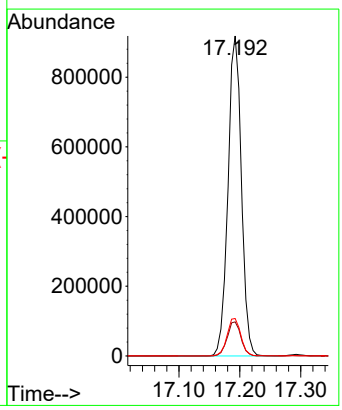


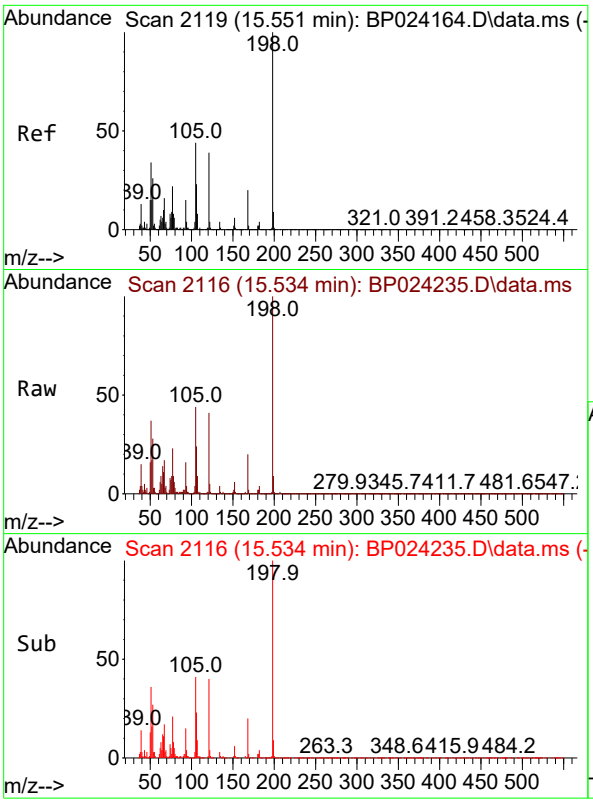


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:188 Resp: 1402974

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.1	12.1
80	11.7	8.9	13.3



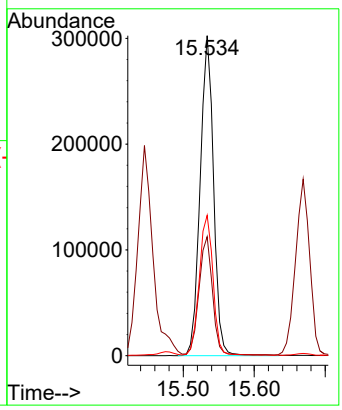


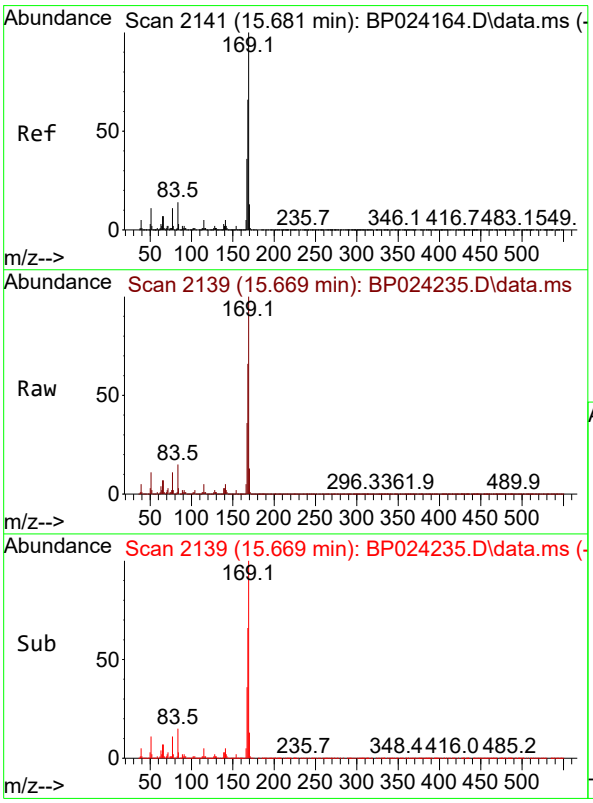
#65
4,6-Dinitro-2-methylphenol
Concen: 47.694 ng
RT: 15.534 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:198 Resp: 397241

Ion	Ratio	Lower	Upper
198	100		
51	37.2	14.7	54.7
105	43.9	23.8	63.8

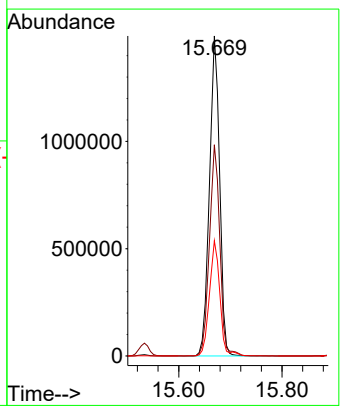


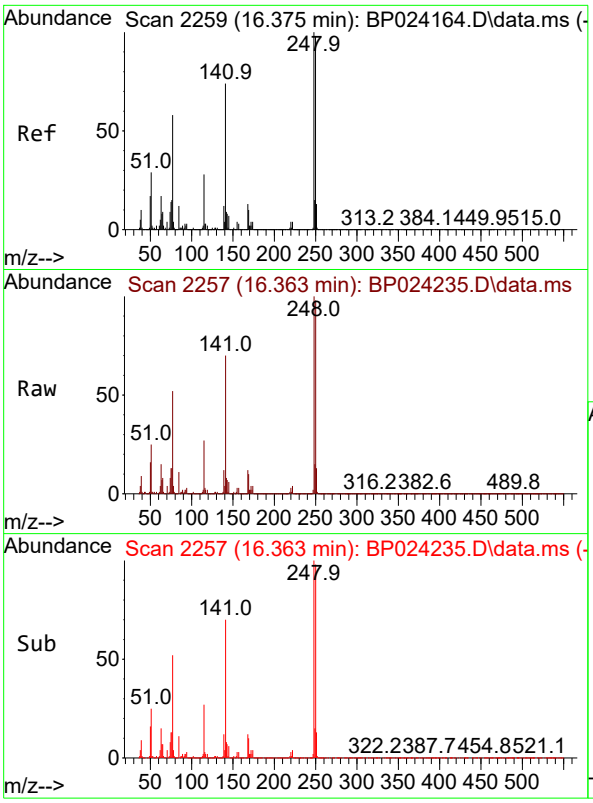


#66
n-Nitrosodiphenylamine
Concen: 47.808 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:169 Resp: 2036795

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.9	79.3
167	36.0	28.8	43.2



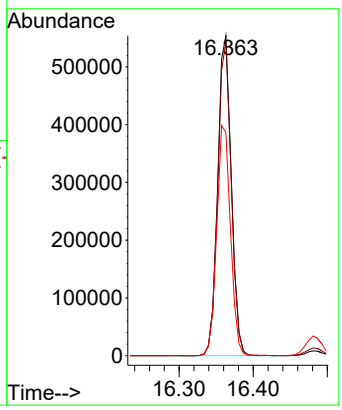


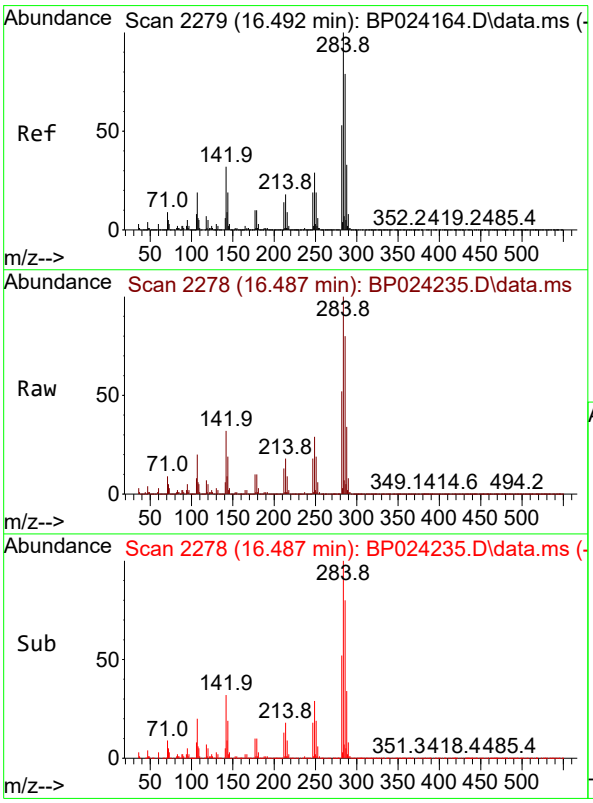
#67
4-Bromophenyl-phenylether
Concen: 45.776 ng
RT: 16.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:248 Resp: 705104

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.4	117.6
141	69.8	59.4	89.0

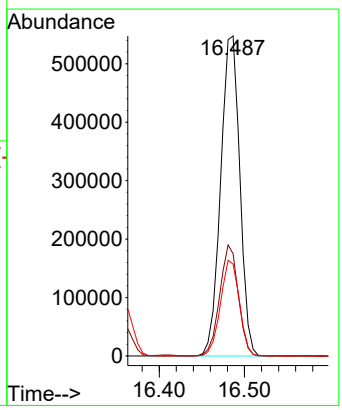


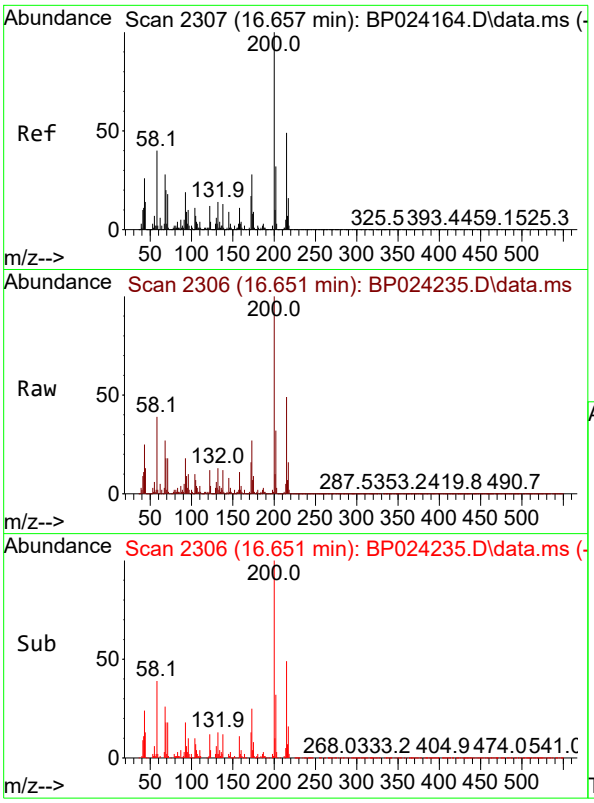


#68
Hexachlorobenzene
Concen: 46.888 ng
RT: 16.487 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:284 Resp: 854832

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.4	38.2
249	28.7	23.5	35.3



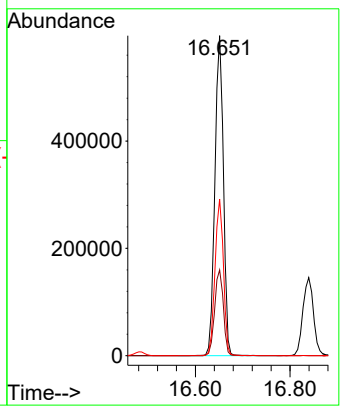


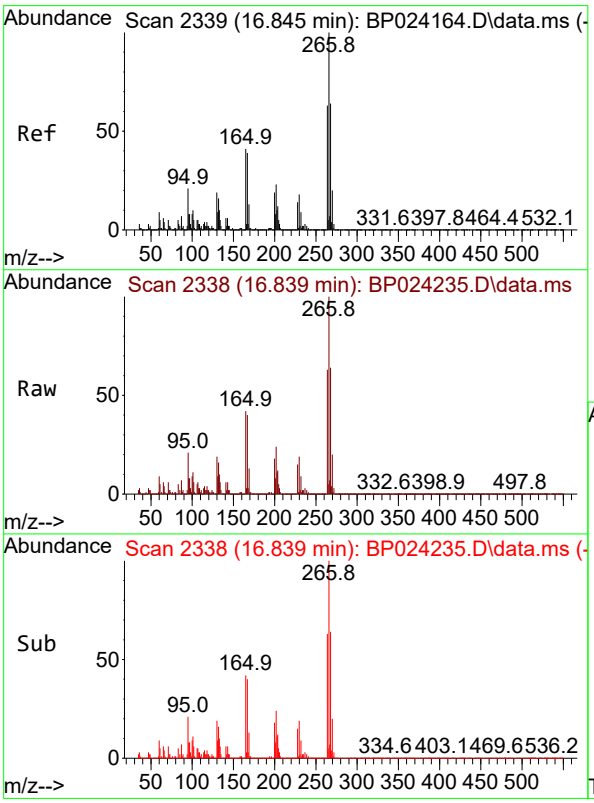
#69
Atrazine
Concen: 72.419 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:200 Resp: 744691

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.6	47.6
215	48.9	29.0	69.0

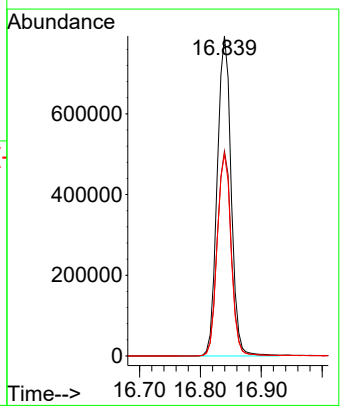


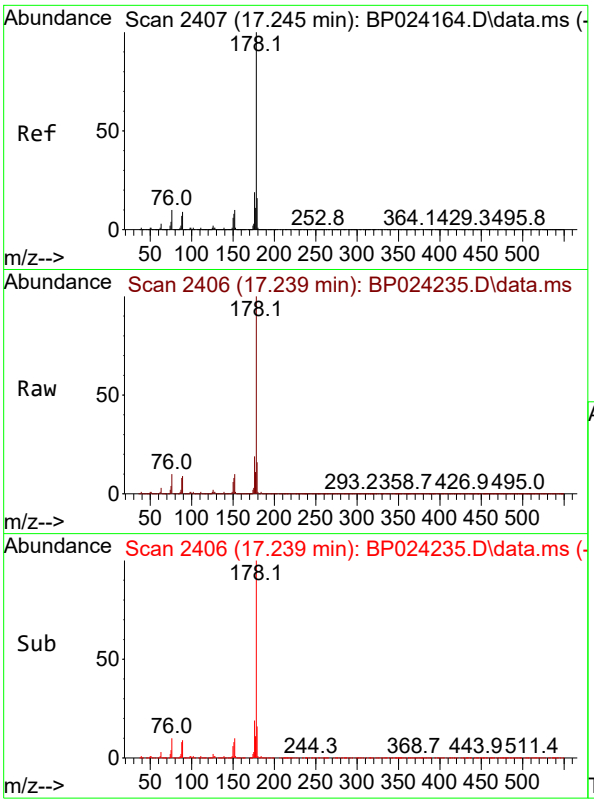


#70
Pentachlorophenol
Concen: 106.453 ng
RT: 16.839 min Scan# 2338
Delta R.T. -0.006 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:266 Resp: 1255086

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.3	76.9
264	63.1	50.6	76.0



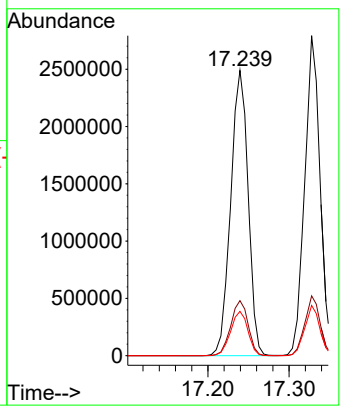


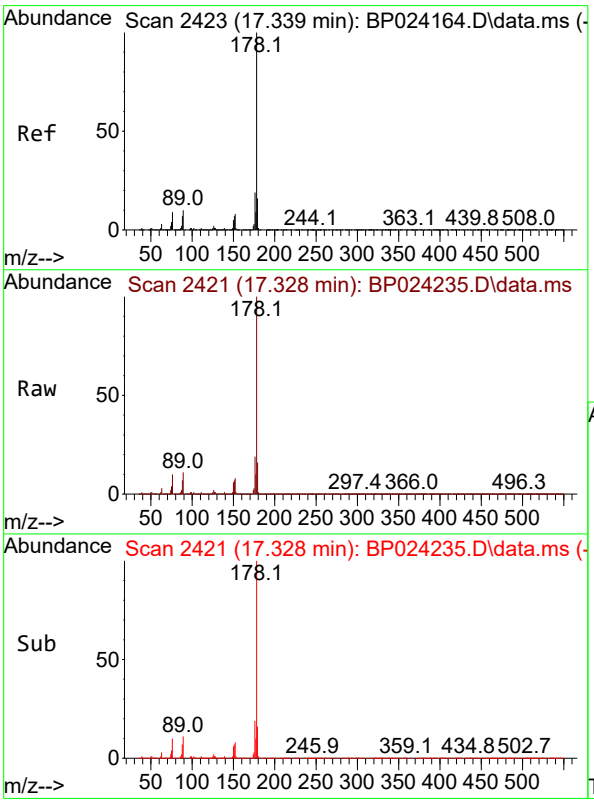
#71
Phenanthrene
Concen: 48.357 ng
RT: 17.239 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:178 Resp: 3706248

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.6	12.5	18.7

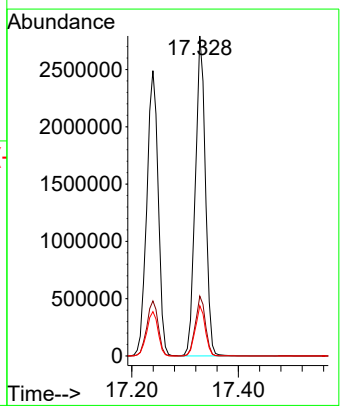


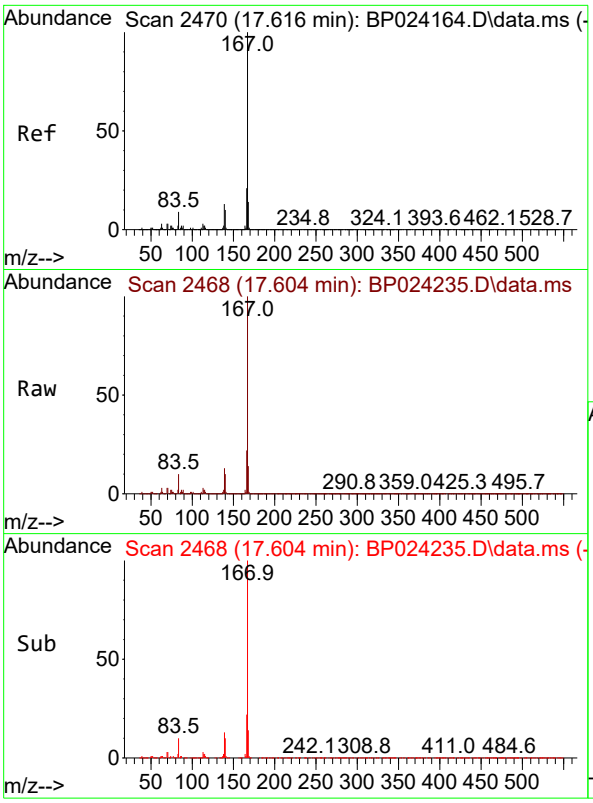


#72
Anthracene
Concen: 49.436 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:178 Resp: 3690284

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.7	12.6	18.8



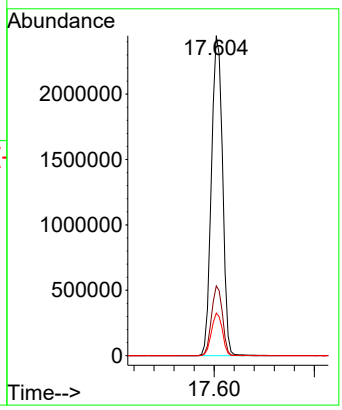


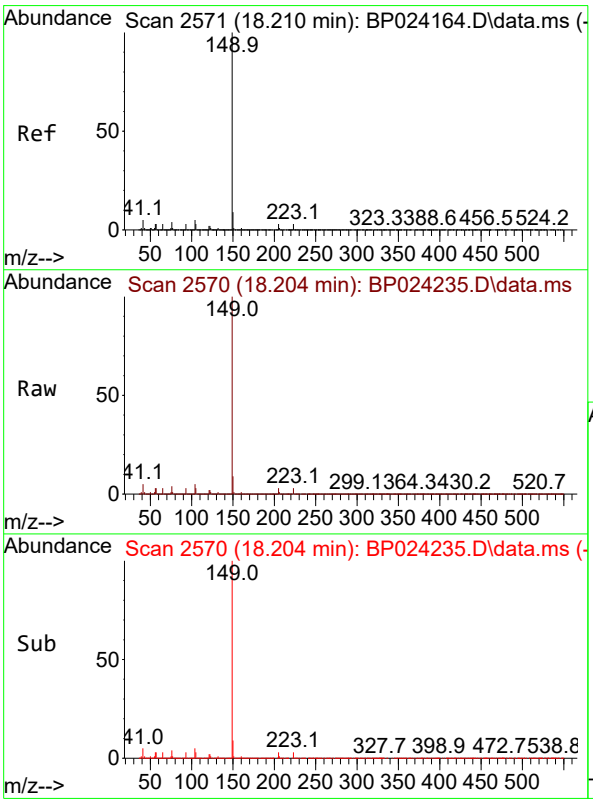
#73
Carbazole
Concen: 52.313 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:167 Resp: 3765982

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.3	10.2	15.4

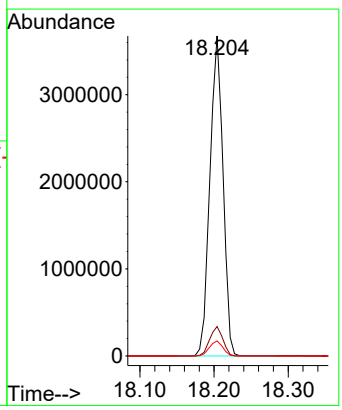


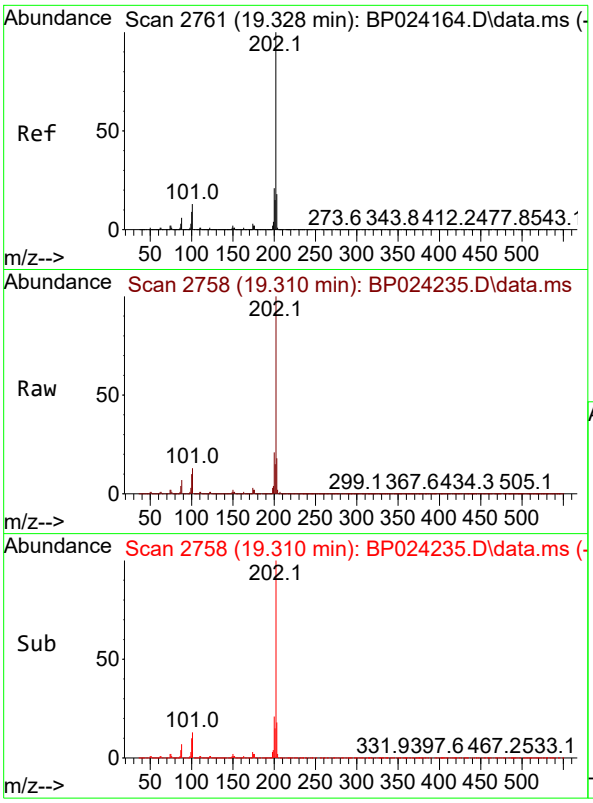


#74
Di-n-butylphthalate
Concen: 52.756 ng
RT: 18.204 min Scan# 2570
Delta R.T. -0.006 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:149 Resp: 4508432

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.6	11.4
104	4.7	3.9	5.9



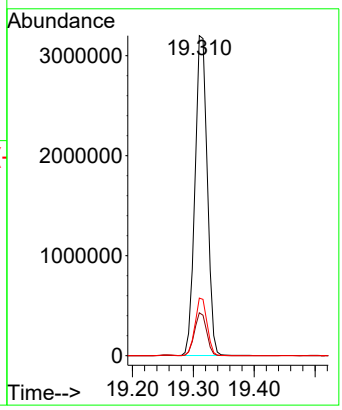


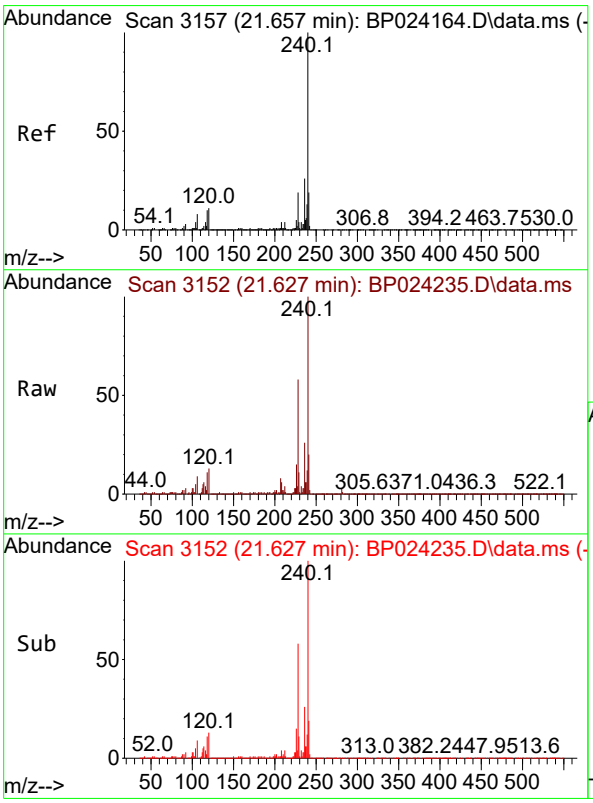
#75
Fluoranthene
Concen: 50.431 ng
RT: 19.310 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:202 Resp: 4476626

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.5
203	18.0	0.0	37.9

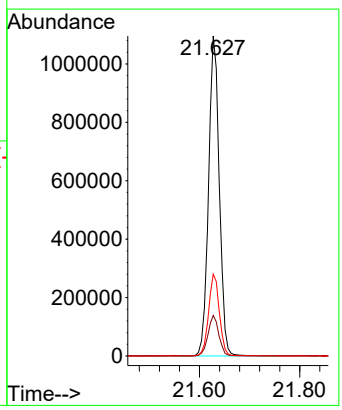


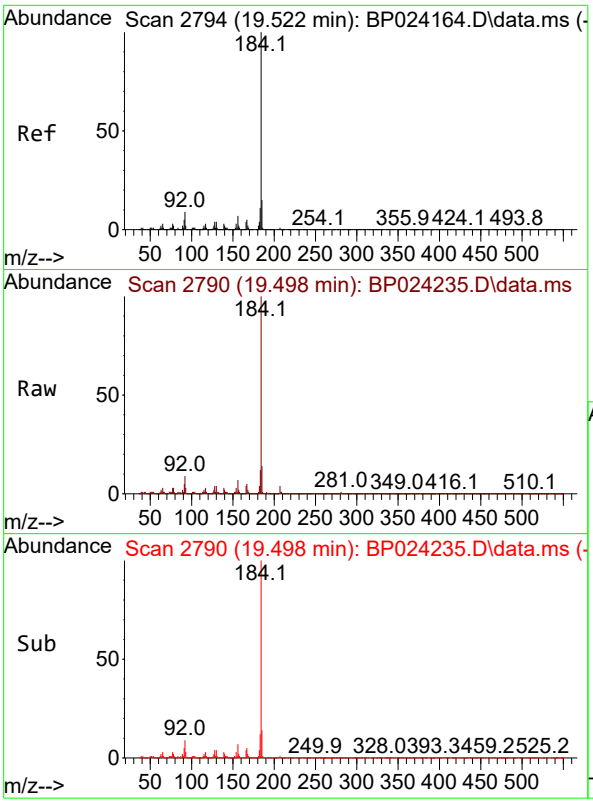


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:240 Resp: 1629667

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.2	13.8
236	25.5	20.4	30.6



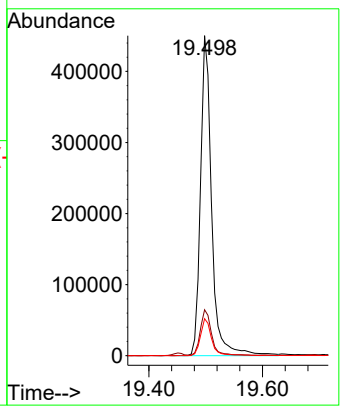


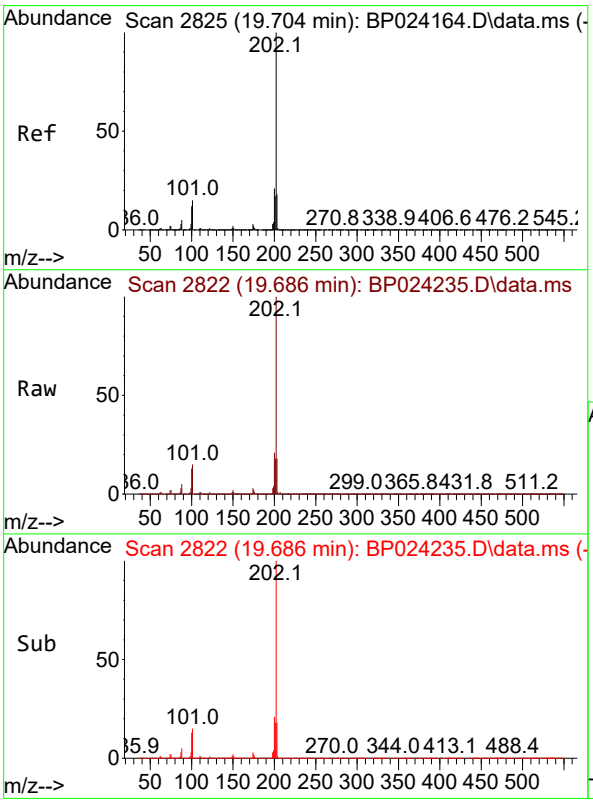
#77
Benzidine
Concen: 34.405 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:184 Resp: 613019

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	11.6	9.1	13.7

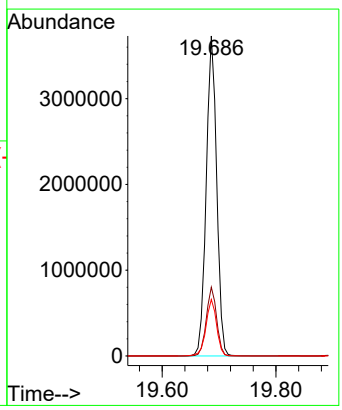


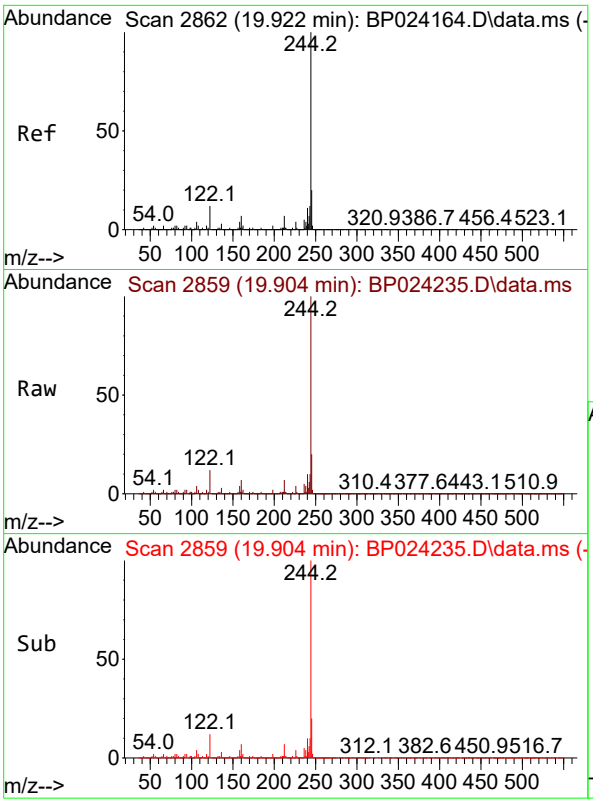


#78
Pyrene
Concen: 46.810 ng
RT: 19.686 min Scan# 2822
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:202 Resp: 4742564

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.7	14.2	21.4



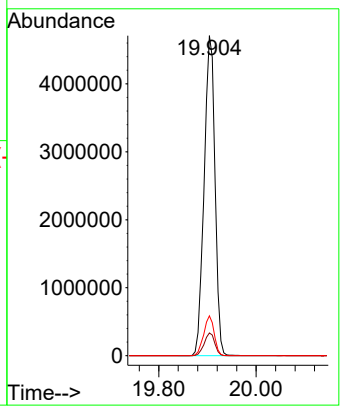


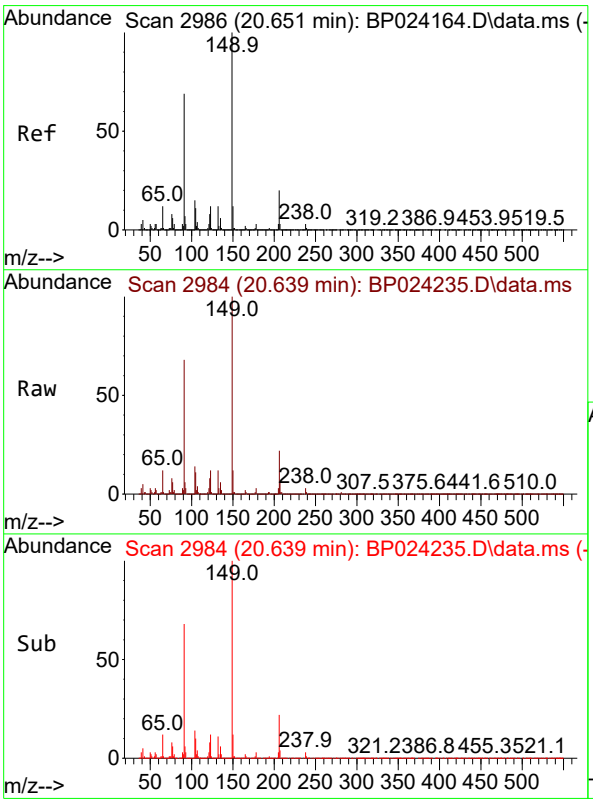
#79
Terphenyl-d14
Concen: 91.862 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:244 Resp: 7252316

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.4	9.6	14.4

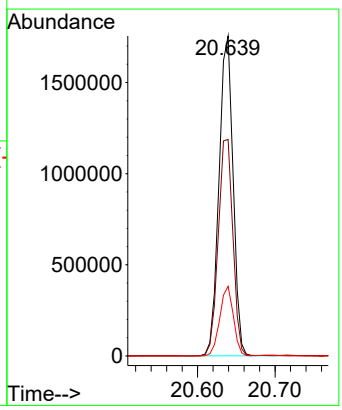


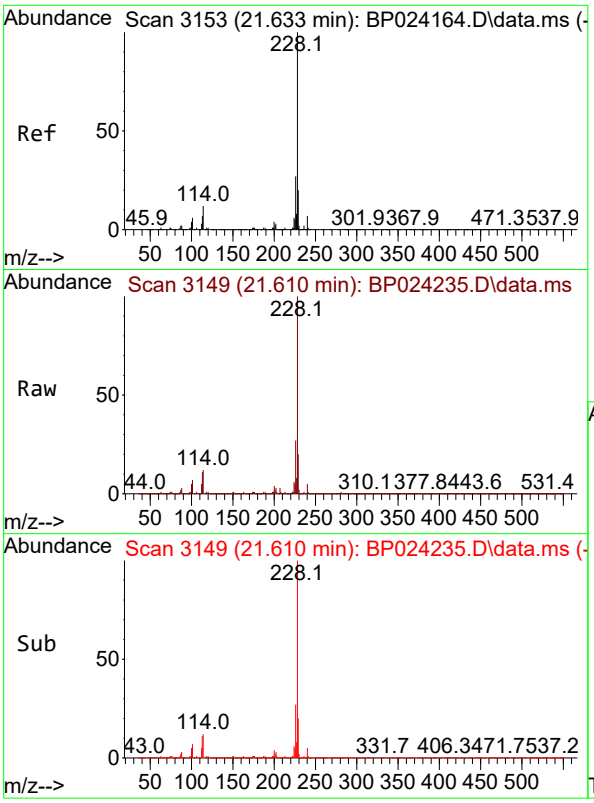


#80
Butylbenzylphthalate
Concen: 53.085 ng
RT: 20.639 min Scan# 2984
Delta R.T. -0.012 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:149 Resp: 2217907

Ion	Ratio	Lower	Upper
149	100		
91	67.6	55.3	82.9
206	21.7	16.1	24.1



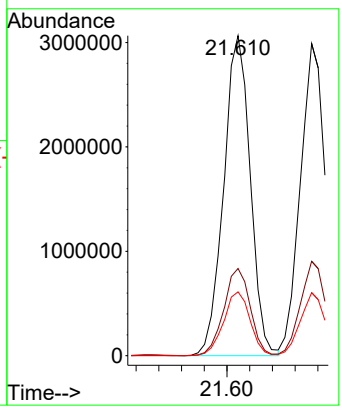


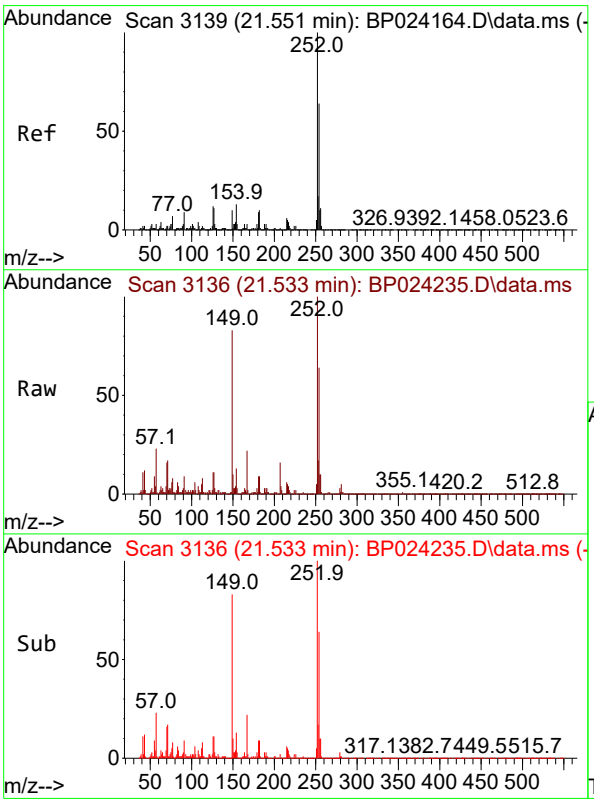
#81
Benzo(a)anthracene
Concen: 49.158 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:228 Resp: 4980721

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.9	16.0	24.0

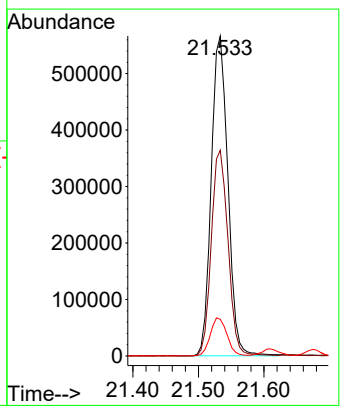


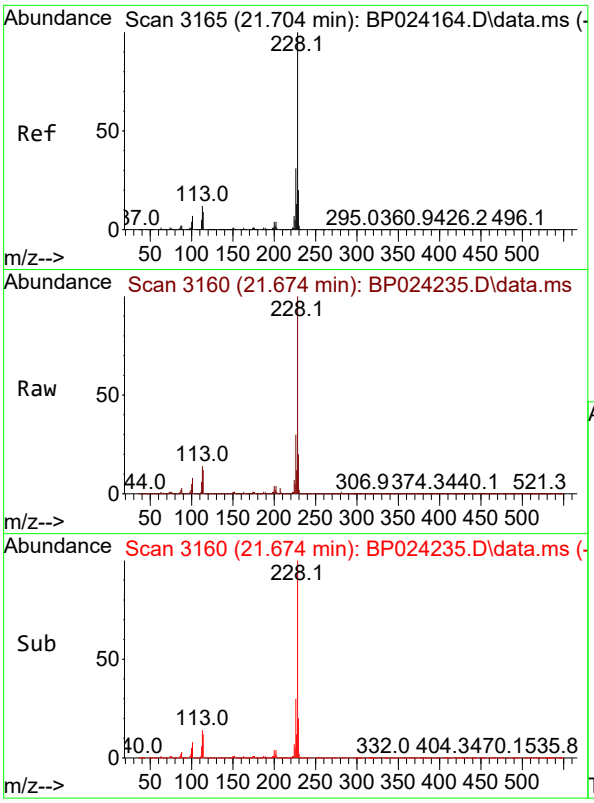


#82
3,3'-Dichlorobenzidine
Concen: 29.351 ng
RT: 21.533 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:252 Resp: 996695

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	11.5	9.3	13.9



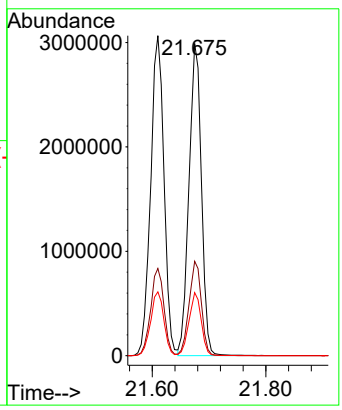


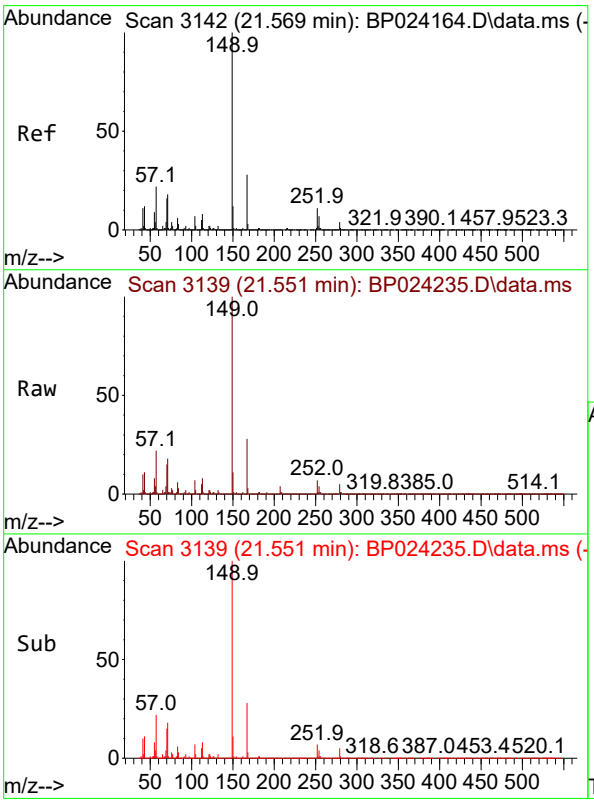
#83
Chrysene
Concen: 46.712 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:228 Resp: 4549808

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	20.2	16.2	24.2

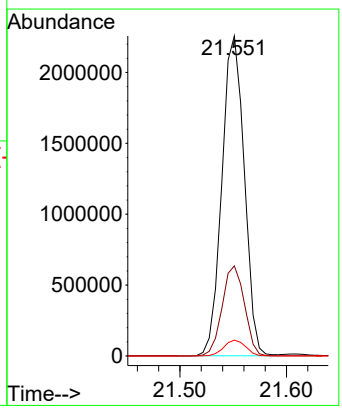


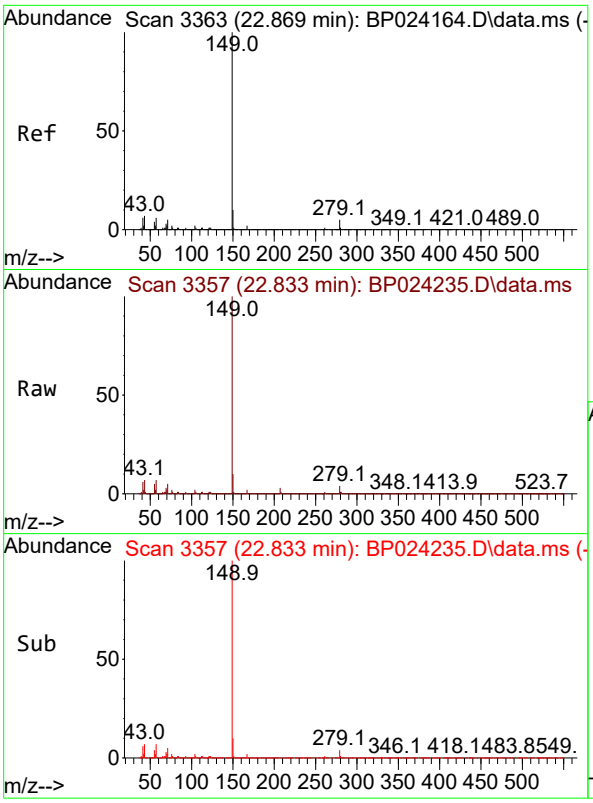


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.197 ng
RT: 21.551 min Scan# 3139
Delta R.T. -0.018 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:149 Resp: 3290636

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	5.0	3.6	5.4



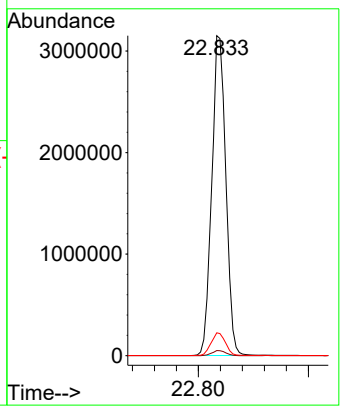


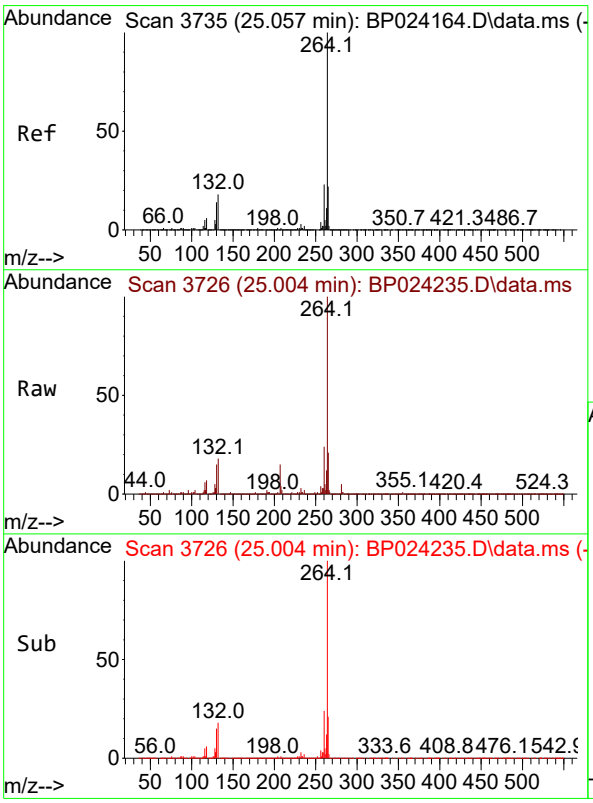
#85
Di-n-octyl phthalate
Concen: 55.428 ng
RT: 22.833 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:149 Resp: 5598662

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

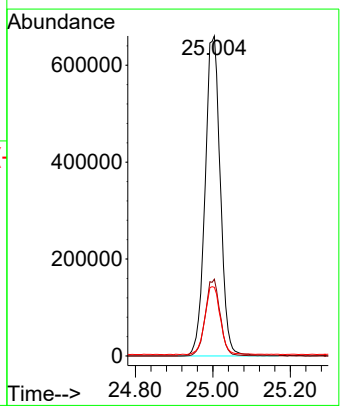


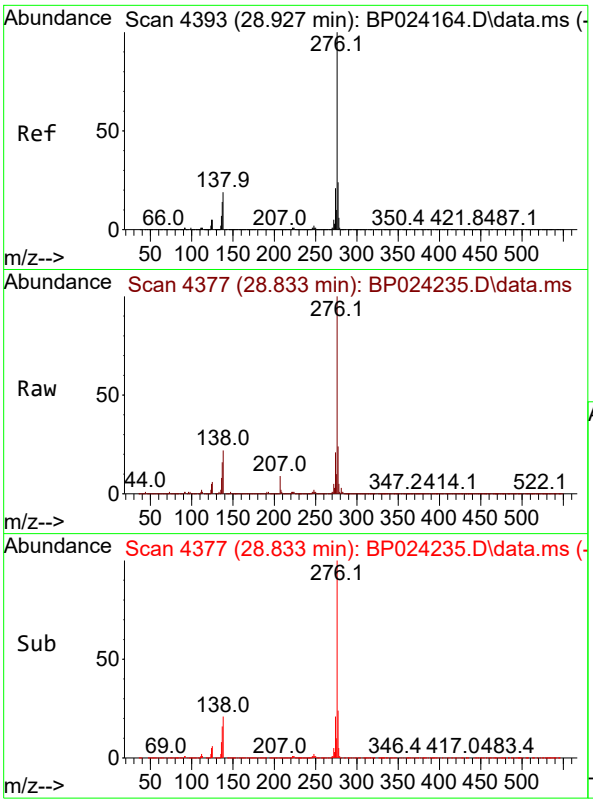


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:264 Resp: 1799050

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.4	17.7	26.5



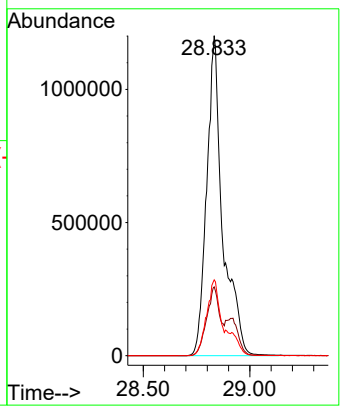


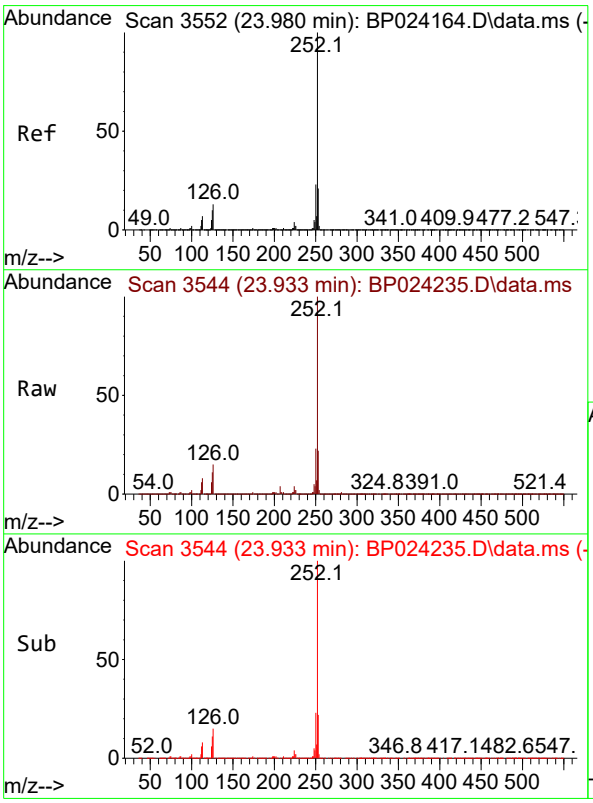
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.999 ng
RT: 28.833 min Scan# 4
Delta R.T. -0.094 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:276 Resp: 6277815

Ion	Ratio	Lower	Upper
276	100		
138	18.1	13.7	20.5
277	21.9	20.2	30.2

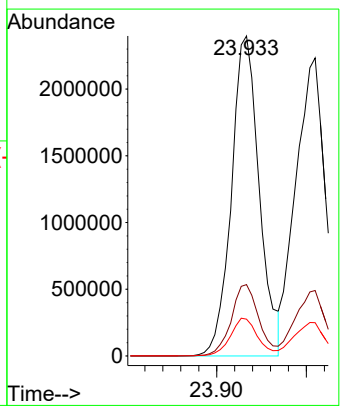


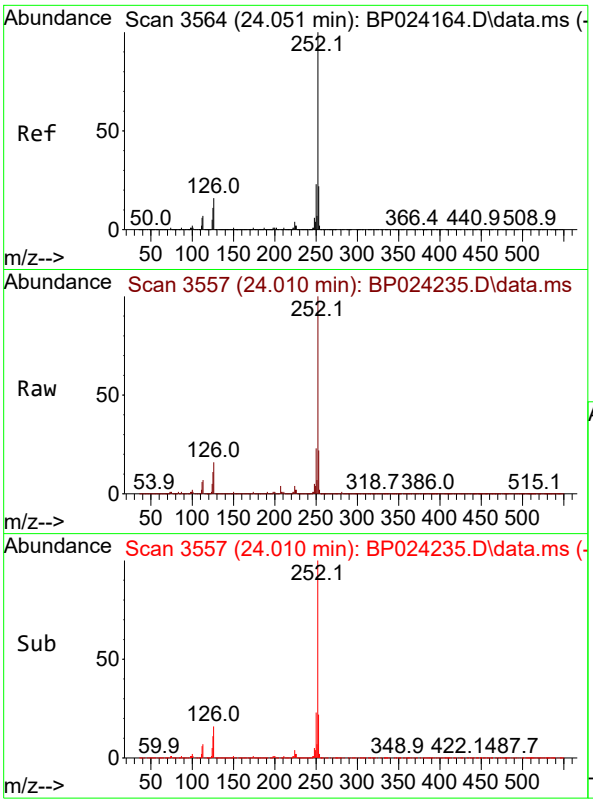


#88
Benzo(b)fluoranthene
Concen: 47.813 ng
RT: 23.933 min Scan# 3544
Delta R.T. -0.047 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:252 Resp: 5186382

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.5	8.2	12.4



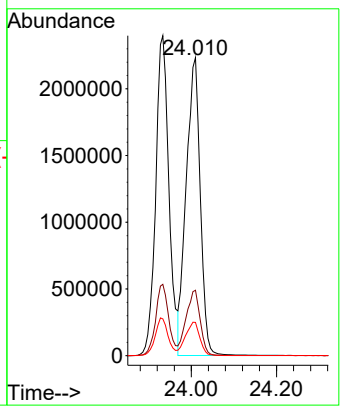


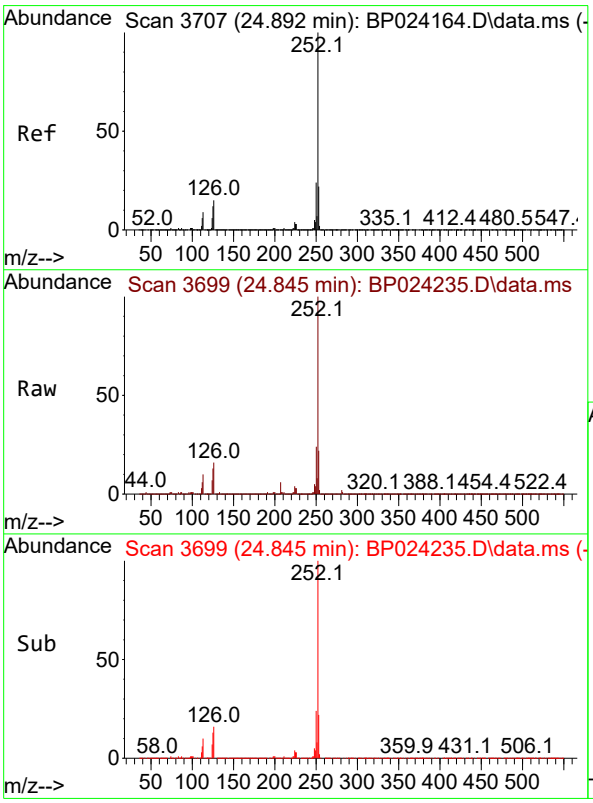
#89
Benzo(k)fluoranthene
Concen: 48.146 ng
RT: 24.010 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:252 Resp: 5108550

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.2	9.1	13.7

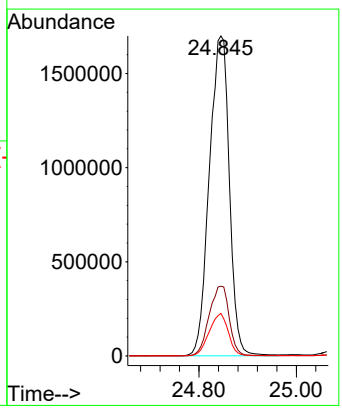


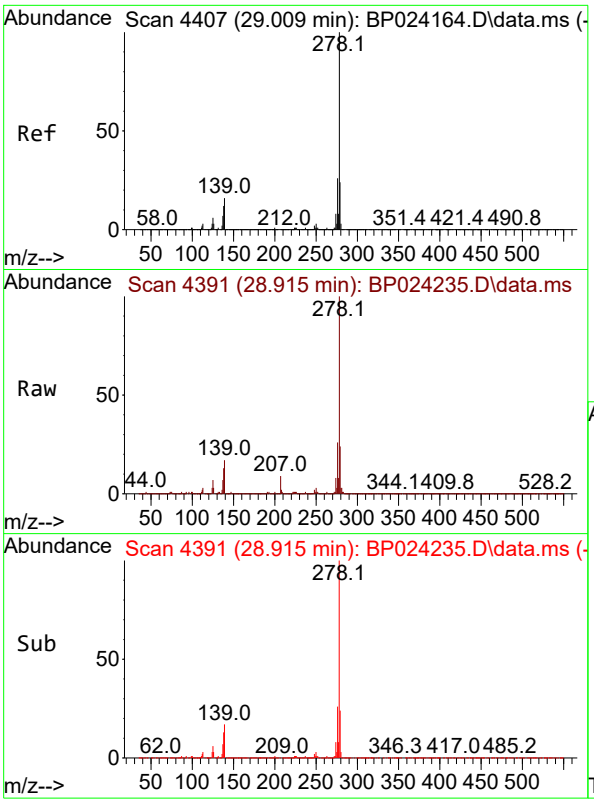


#90
Benzo(a)pyrene
Concen: 51.322 ng
RT: 24.845 min Scan# 3699
Delta R.T. -0.047 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:252 Resp: 4840863

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	13.3	9.6	14.4



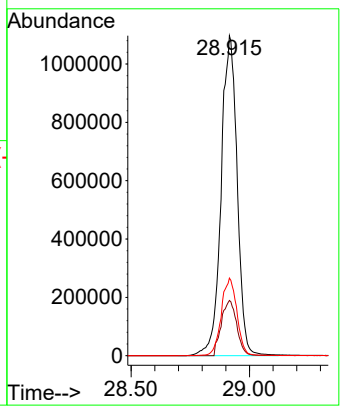


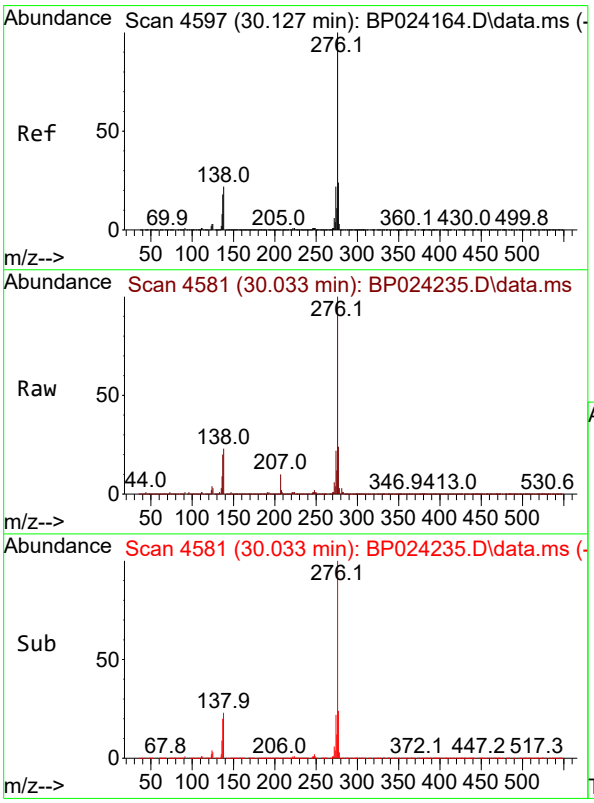
#91
Dibenzo(a,h)anthracene
Concen: 49.411 ng
RT: 28.915 min Scan# 4
Delta R.T. -0.094 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Instrument :
BNA_P
ClientSampleId :
Z-05AMS

Tgt Ion:278 Resp: 5161466

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.4
279	24.3	18.8	28.2

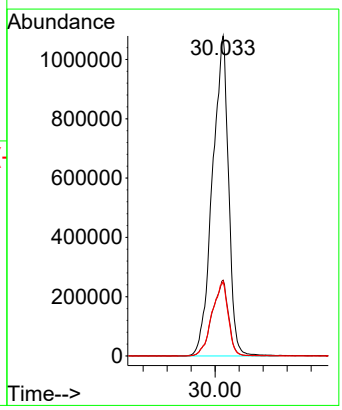




#92
Benzo(g,h,i)perylene
Concen: 47.252 ng
RT: 30.033 min Scan# 4581
Delta R.T. -0.094 min
Lab File: BP024235.D
Acq: 09 Apr 2025 14:59

Tgt Ion:276 Resp: 5017602

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	23.2	17.4	26.2



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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/02/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/03/25
Client Sample ID:	Z-05AMSD	SDG No.:	Q1739
Lab Sample ID:	Q1712-04MSD	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
BP024236.D	1	04/08/25 08:25	04/09/25 15:39	PB167518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	360		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	450		5.30	50.0	ug/L
95-48-7	2-Methylphenol	510		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	500		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	490		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	450		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	540		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	550		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	590		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	510		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	93%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.2		52 - 132	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		44 - 137	107%	SPK: 150
1718-51-0	Terphenyl-d14	101		48 - 125	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	294000	7.74			
1146-65-2	Naphthalene-d8	1160000	10.516			
15067-26-2	Acenaphthene-d10	692000	14.375			
1517-22-2	Phenanthrene-d10	1330000	17.181			
1719-03-5	Chrysene-d12	1360000	21.633			
1520-96-3	Perylene-d12	1480000	25.004			

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/02/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/03/25
Client Sample ID:	Z-05AMSD	SDG No.:	Q1739
Lab Sample ID:	Q1712-04MSD	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
BP024236.D	1	04/08/25 08:25	04/09/25 15:39	PB167518

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\BP040925\
Data File : BP024236.D
Acq On : 09 Apr 2025 15:39
Operator : RC/JU
Sample : Q1712-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Quant Time: Apr 10 02:07:20 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 05:55:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.740	152	293963	20.000	ng		-0.03
21) Naphthalene-d8	10.516	136	1159024	20.000	ng		-0.04
39) Acenaphthene-d10	14.375	164	692350	20.000	ng		-0.03
64) Phenanthrene-d10	17.181	188	1331246	20.000	ng		-0.02
76) Chrysene-d12	21.633	240	1362100	20.000	ng		-0.02
86) Perylene-d12	25.004	264	1480737	20.000	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.358	112	2573989	139.773	ng		-0.02
7) Phenol-d6	6.928	99	3091811	125.549	ng		-0.02
23) Nitrobenzene-d5	8.887	82	2042009	99.405	ng		-0.04
42) 2,4,6-Tribromophenol	15.893	330	1393735	159.813	ng		-0.02
45) 2-Fluorobiphenyl	12.987	172	4329349	92.204	ng		-0.03
79) Terphenyl-d14	19.904	244	6668256	101.056	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.311	88	299751	41.063	ng	#	75
3) Pyridine	3.705	79	727927	36.477	ng		99
4) n-Nitrosodimethylamine	3.605	42	297354	44.607	ng		99
6) Aniline	7.075	93	647424	28.855	ng		98
8) 2-Chlorophenol	7.316	128	977180	49.125	ng		99
9) Benzaldehyde	6.893	77	441868	37.181	ng		98
10) Phenol	6.952	94	1111688	44.717	ng		100
11) bis(2-Chloroethyl)ether	7.169	93	909262	46.379	ng		98
12) 1,3-Dichlorobenzene	7.634	146	962915	44.890	ng		99
13) 1,4-Dichlorobenzene	7.775	146	982397	44.855	ng		98
14) 1,2-Dichlorobenzene	8.093	146	951298	45.263	ng		99
15) Benzyl Alcohol	7.981	79	823487	52.819	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.264	45	976470	48.801	ng		96
17) 2-Methylphenol	8.187	107	798158	51.199	ng		100
18) Hexachloroethane	8.811	117	350878	45.156	ng		99
19) n-Nitroso-di-n-propyla...	8.540	70	679320	47.549	ng		99
20) 3+4-Methylphenols	8.511	107	1078168	50.340	ng		100
22) Acetophenone	8.558	105	1390606	47.457	ng	#	100
24) Nitrobenzene	8.928	77	1002835	49.486	ng		99
25) Isophorone	9.452	82	1913326	54.335	ng		100
26) 2-Nitrophenol	9.634	139	503733	52.039	ng		100
27) 2,4-Dimethylphenol	9.699	122	876284	70.401	ng		98
28) bis(2-Chloroethoxy)met...	9.934	93	1216909	49.123	ng		100
29) 2,4-Dichlorophenol	10.169	162	863813	51.301	ng		98
30) 1,2,4-Trichlorobenzene	10.381	180	866083	46.555	ng		99
31) Naphthalene	10.569	128	2826378	46.003	ng		100
32) Benzoic acid	9.840	122	575539	47.411	ng		100
33) 4-Chloroaniline	10.675	127	300692	13.676	ng		98
34) Hexachlorobutadiene	10.857	225	485212	45.319	ng		99
35) Caprolactam	11.469	113	260114	47.135	ng		100
36) 4-Chloro-3-methylphenol	11.810	107	976162	53.740	ng		99
37) 2-Methylnaphthalene	12.181	142	1787474	43.065	ng		100
38) 1-Methylnaphthalene	12.399	142	1873554	46.409	ng		100
40) 1,2,4,5-Tetrachloroben...	12.552	216	939428	46.939	ng		99
41) Hexachlorocyclopentadiene	12.534	237	1132561	156.989	ng		98
43) 2,4,6-Trichlorophenol	12.793	196	687129	54.023	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024236.D
Acq On : 09 Apr 2025 15:39
Operator : RC/JU
Sample : Q1712-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Quant Time: Apr 10 02:07:20 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 05:55:58 2025
Response via : Initial Calibration

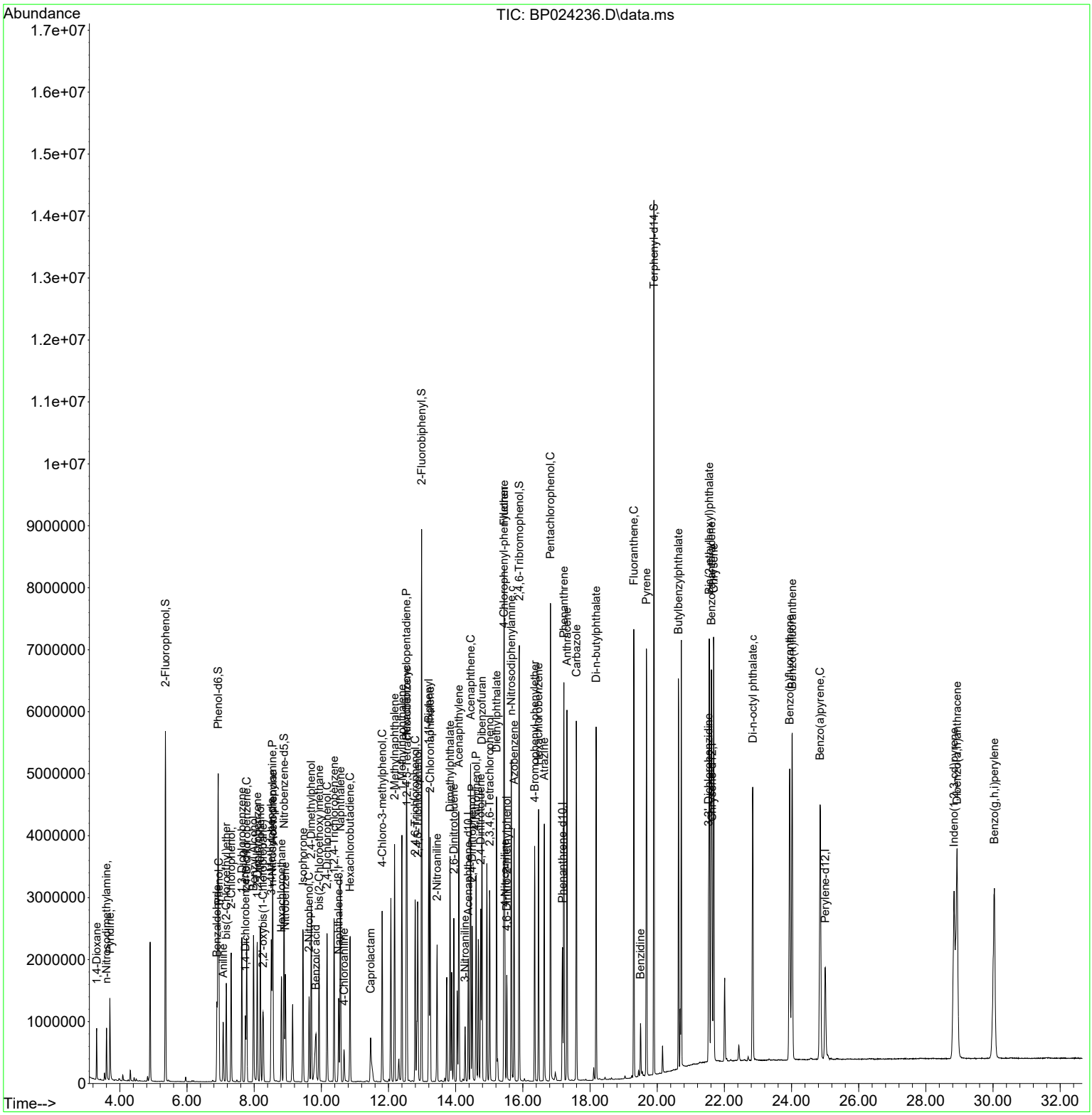
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	762883	54.692	ng		99
46) 1,1'-Biphenyl	13.199	154	2539052	48.803	ng		99
47) 2-Chloronaphthalene	13.240	162	1903244	48.635	ng		100
48) 2-Nitroaniline	13.446	65	585973	58.544	ng		99
49) Acenaphthylene	14.093	152	3210884	54.226	ng		100
50) Dimethylphthalate	13.834	163	2474892	51.087	ng		100
51) 2,6-Dinitrotoluene	13.946	165	550356	53.993	ng		99
52) Acenaphthene	14.446	154	1862762	49.237	ng		99
53) 3-Nitroaniline	14.281	138	247010	22.437	ng		97
54) 2,4-Dinitrophenol	14.493	184	526614	97.639	ng		94
55) Dibenzofuran	14.781	168	2935792	47.906	ng		99
56) 4-Nitrophenol	14.610	139	1022863	111.193	ng		99
57) 2,4-Dinitrotoluene	14.746	165	794086	58.978	ng		99
58) Fluorene	15.445	166	2387738	50.008	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.010	232	649836	52.730	ng		98
60) Diethylphthalate	15.216	149	2461820	51.030	ng		100
61) 4-Chlorophenyl-phenyle...	15.434	204	1146055	48.938	ng		98
62) 4-Nitroaniline	15.469	138	576450	49.924	ng		99
63) Azobenzene	15.740	77	2318516	50.990	ng		99
65) 4,6-Dinitro-2-methylph...	15.522	198	389853	49.329	ng		98
66) n-Nitrosodiphenylamine	15.657	169	2114246	52.300	ng		100
67) 4-Bromophenyl-phenylether	16.351	248	738122	50.501	ng		98
68) Hexachlorobenzene	16.469	284	888185	51.342	ng		99
69) Atrazine	16.640	200	725036	74.306	ng		99
70) Pentachlorophenol	16.822	266	1241155	110.944	ng		100
71) Phenanthrene	17.222	178	3697430	50.841	ng		100
72) Anthracene	17.316	178	3755803	53.024	ng		99
73) Carbazole	17.592	167	3628458	53.119	ng		100
74) Di-n-butylphthalate	18.181	149	4264277	52.587	ng		100
75) Fluoranthene	19.304	202	4311157	51.184	ng		99
77) Benzidine	19.504	184	541027	36.329	ng		99
78) Pyrene	19.681	202	4433975	52.361	ng		100
80) Butylbenzylphthalate	20.633	149	1949408	55.824	ng		98
81) Benzo(a)anthracene	21.616	228	4407048	52.040	ng		100
82) 3,3'-Dichlorobenzidine	21.533	252	866402	30.526	ng		99
83) Chrysene	21.680	228	4154155	51.028	ng		99
84) Bis(2-ethylhexyl)phtha...	21.551	149	2761242	52.403	ng		99
85) Di-n-octyl phthalate	22.845	149	4579940	54.249	ng		100
87) Indeno(1,2,3-cd)pyrene	28.839	276	5654627	54.717	ng	#	93
88) Benzo(b)fluoranthene	23.945	252	4597713	51.498	ng		99
89) Benzo(k)fluoranthene	24.022	252	4538279	51.966	ng		99
90) Benzo(a)pyrene	24.851	252	4299996	55.388	ng		99
91) Dibenzo(a,h)anthracene	28.927	278	4670019	54.317	ng		98
92) Benzo(g,h,i)perylene	30.039	276	4570807	52.298	ng		98

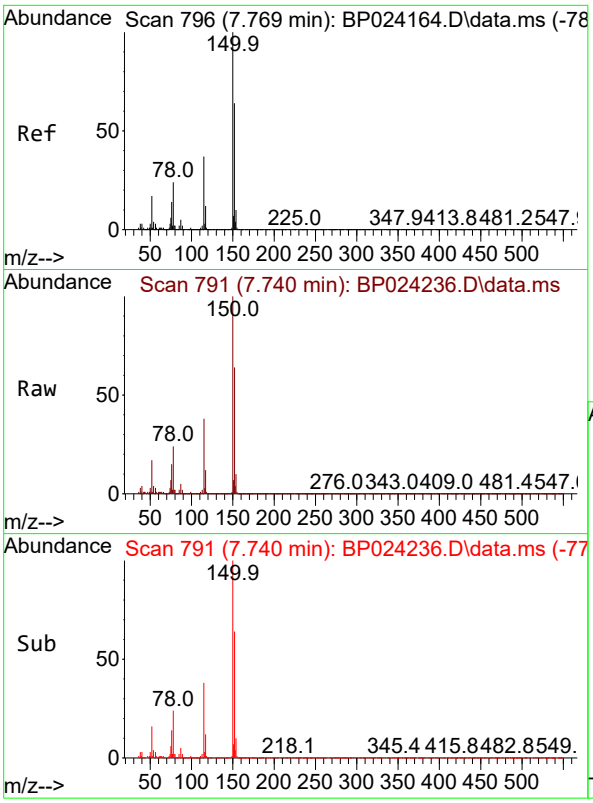
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024236.D
Acq On : 09 Apr 2025 15:39
Operator : RC/JU
Sample : Q1712-04MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Quant Time: Apr 10 02:07:20 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 05:55:58 2025
Response via : Initial Calibration



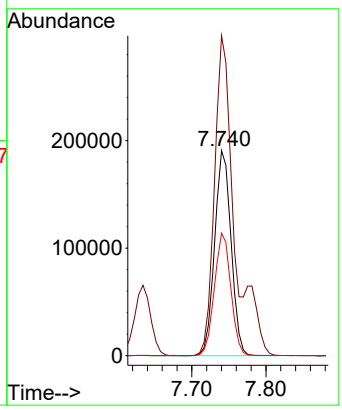


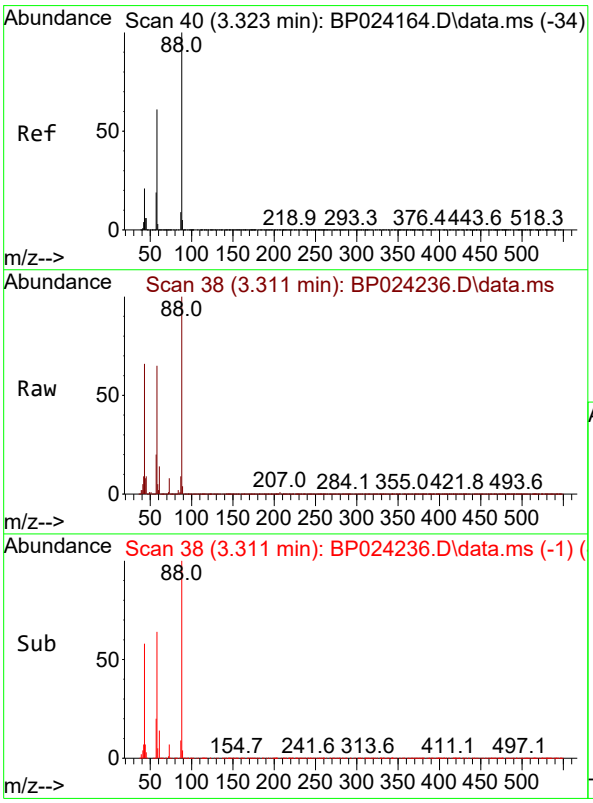
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:152 Resp: 293963

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.5	188.3
115	59.8	46.3	69.5

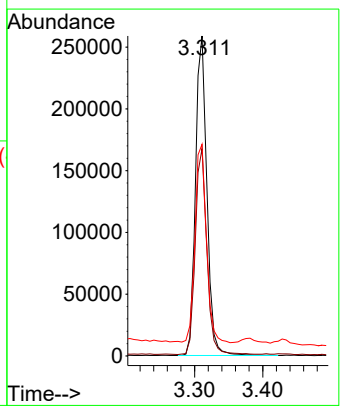


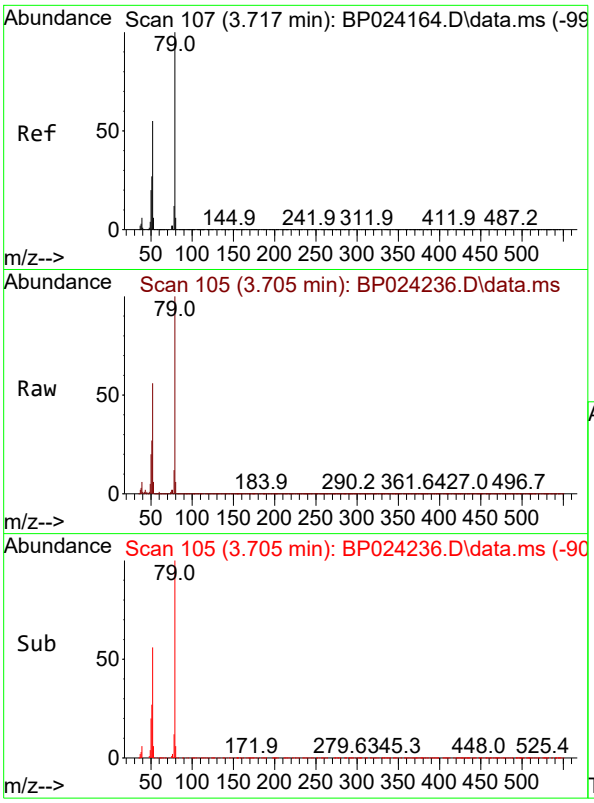


#2
1,4-Dioxane
Concen: 41.063 ng
RT: 3.311 min Scan# 38
Delta R.T. -0.012 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 88 Resp: 299751

Ion	Ratio	Lower	Upper
88	100		
58	65.0	49.8	74.6
43	62.6	17.3	25.9#



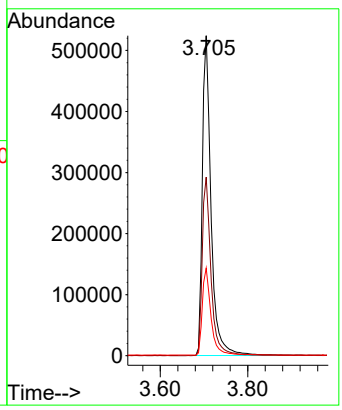


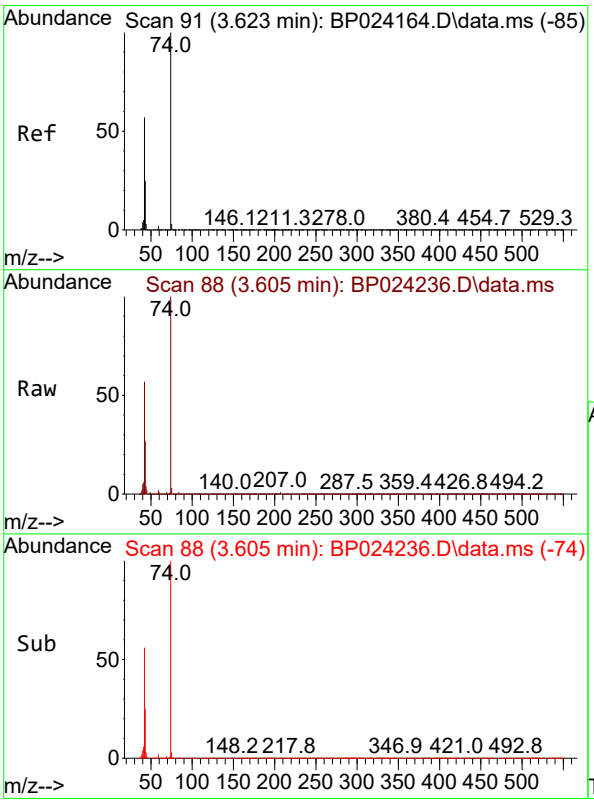
#3
Pyridine
Concen: 36.477 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 79 Resp: 727927

Ion	Ratio	Lower	Upper
79	100		
52	55.8	43.8	65.8
51	27.3	21.6	32.4

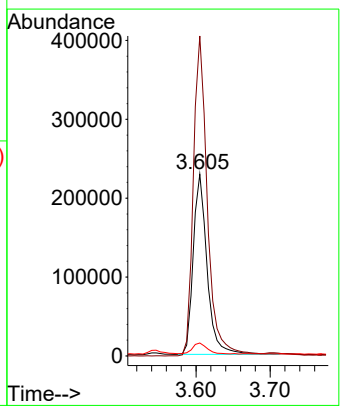


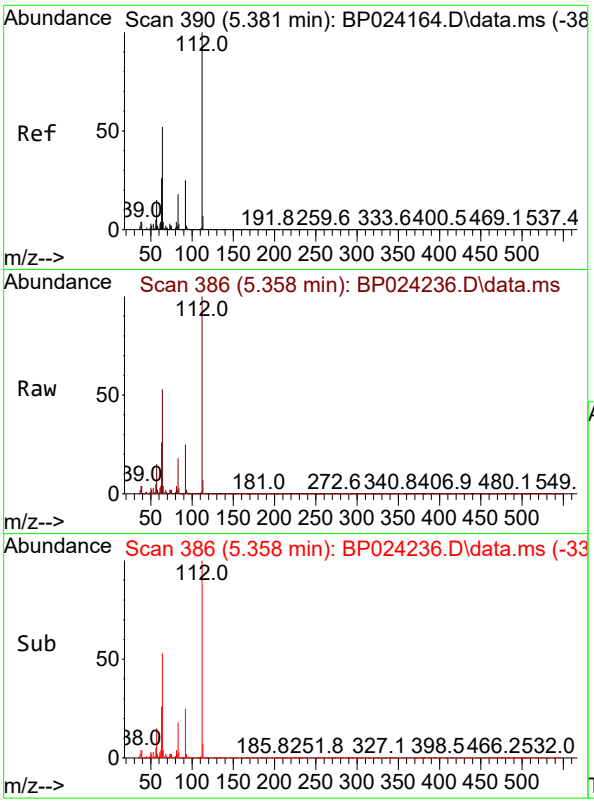


#4
n-Nitrosodimethylamine
Concen: 44.607 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 42 Resp: 297354

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.8	209.6
44	7.1	5.3	7.9



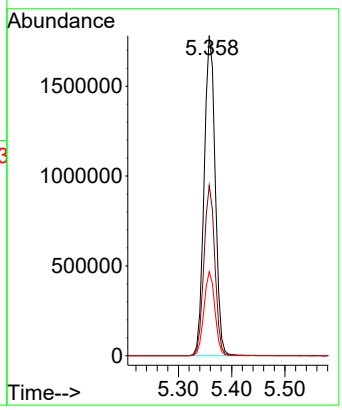


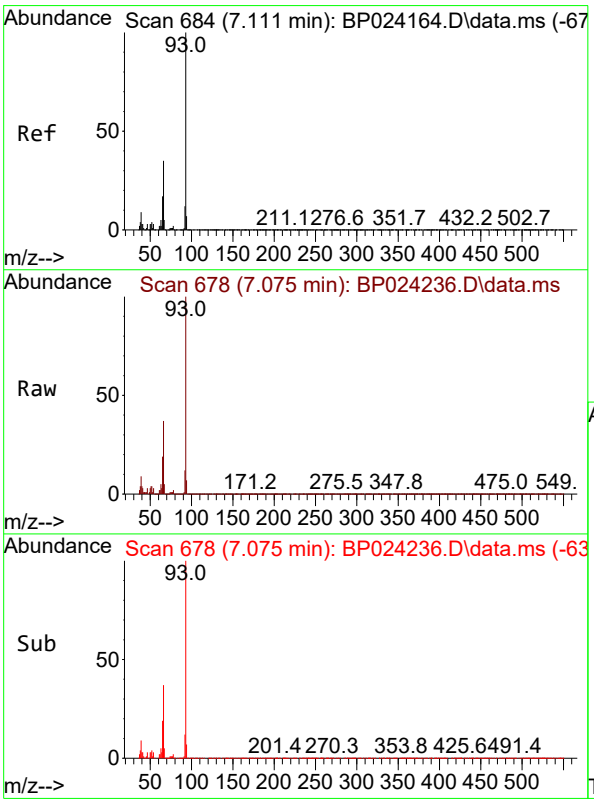
#5
2-Fluorophenol
Concen: 139.773 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:112 Resp: 2573989

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.3	61.9
63	26.2	20.6	31.0

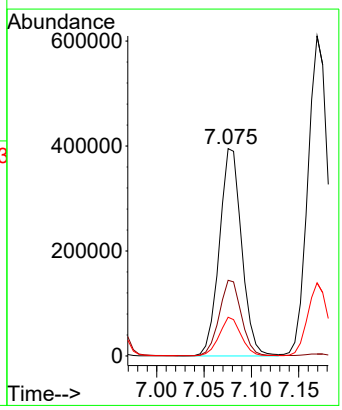


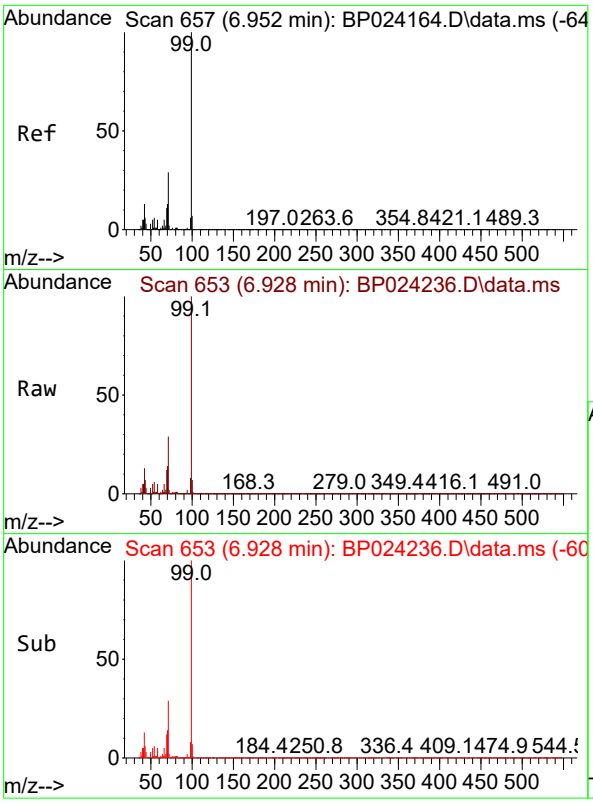


#6
Aniline
Concen: 28.855 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 93 Resp: 647424

Ion	Ratio	Lower	Upper
93	100		
66	36.5	28.2	42.2
65	18.7	14.0	21.0



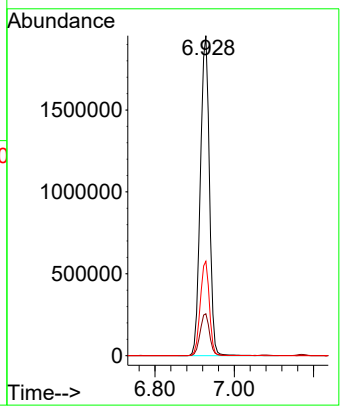


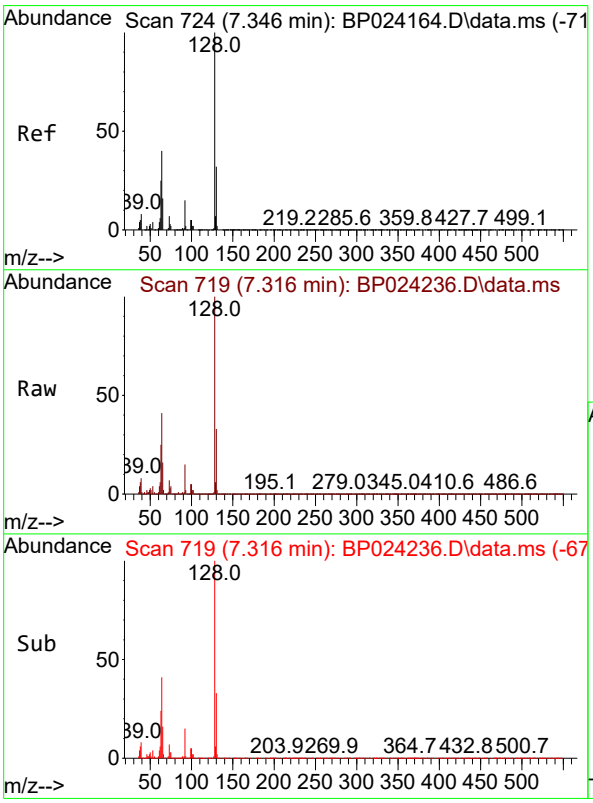
#7
Phenol-d6
Concen: 125.549 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 99 Resp: 3091811

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.6	16.0
71	29.5	23.3	34.9

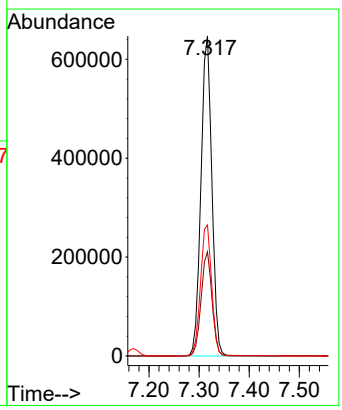


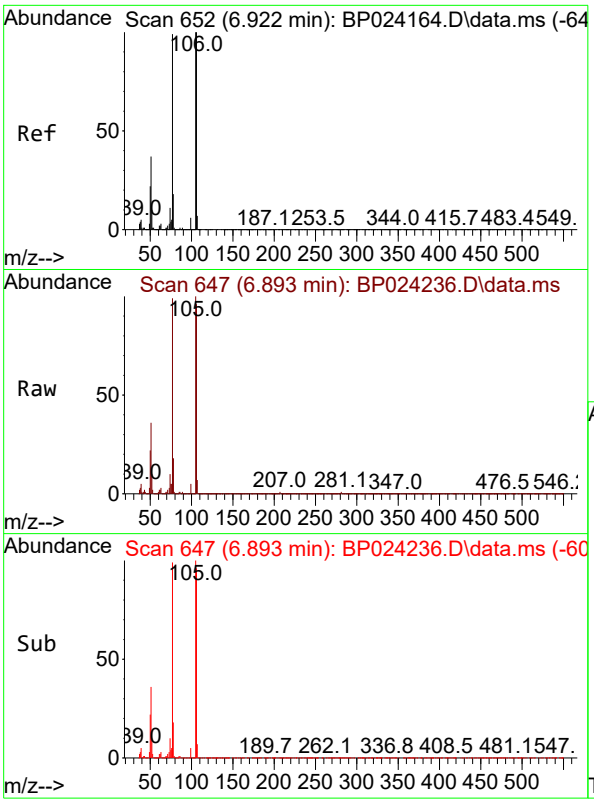


#8
2-Chlorophenol
Concen: 49.125 ng
RT: 7.316 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:128 Resp: 977180

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.0	52.0
64	40.9	21.6	61.6



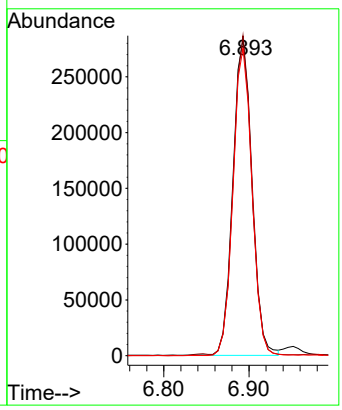


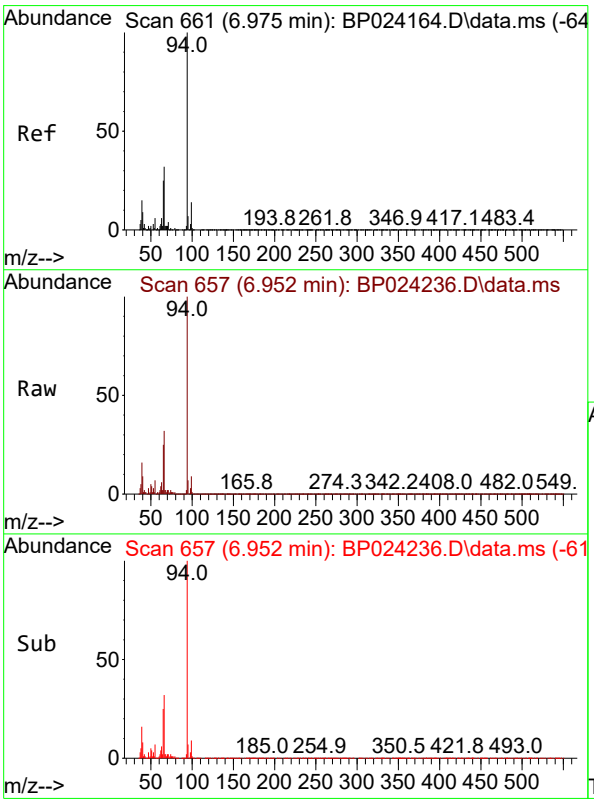
#9
Benzaldehyde
Concen: 37.181 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 77 Resp: 441868

Ion	Ratio	Lower	Upper
77	100		
105	101.2	81.4	121.4
106	97.3	81.1	121.1

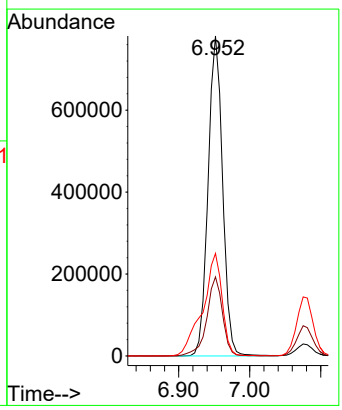


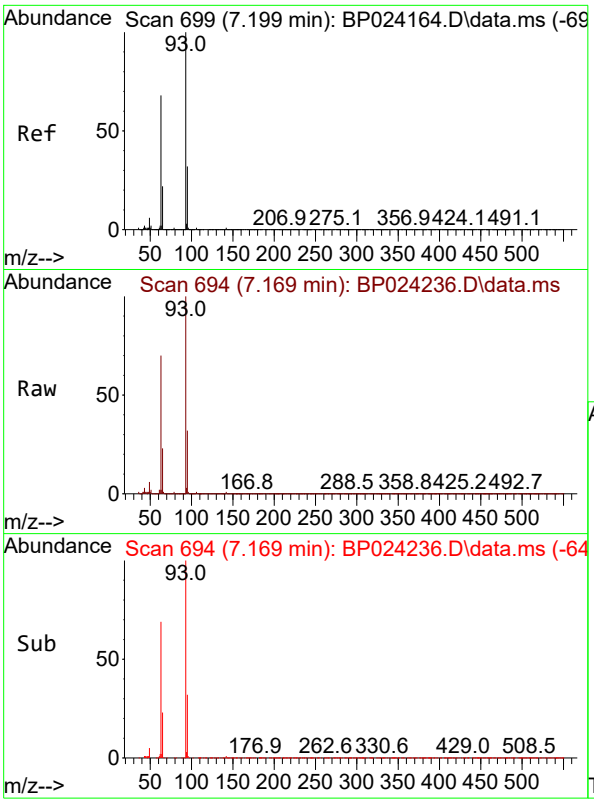


#10
Phenol
Concen: 44.717 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 94 Resp: 1111688

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.9	44.9
66	32.0	11.9	51.9



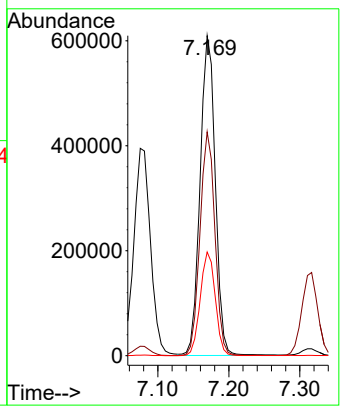


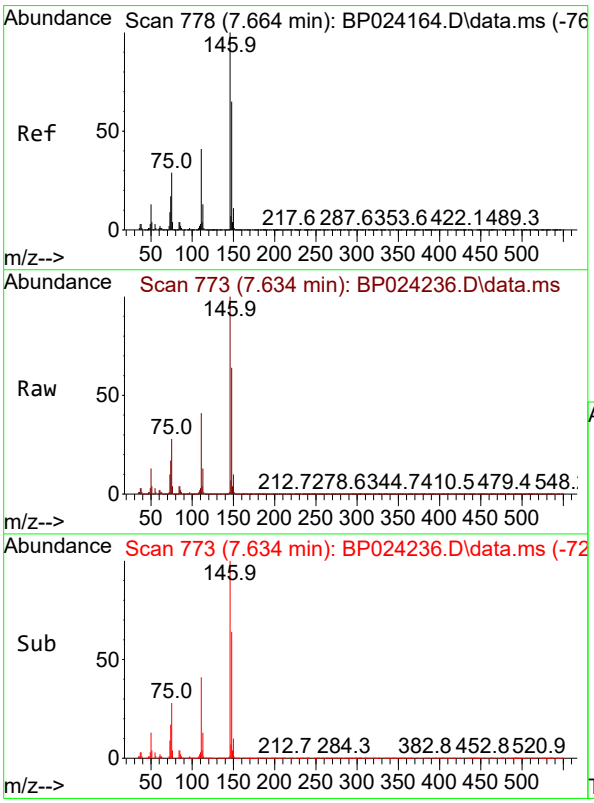
#11
bis(2-Chloroethyl)ether
Concen: 46.379 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 93 Resp: 909262

Ion	Ratio	Lower	Upper
93	100		
63	69.9	47.4	87.4
95	32.4	12.1	52.1

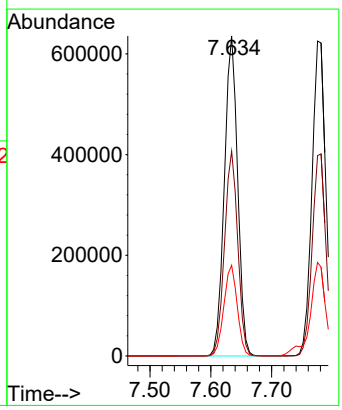


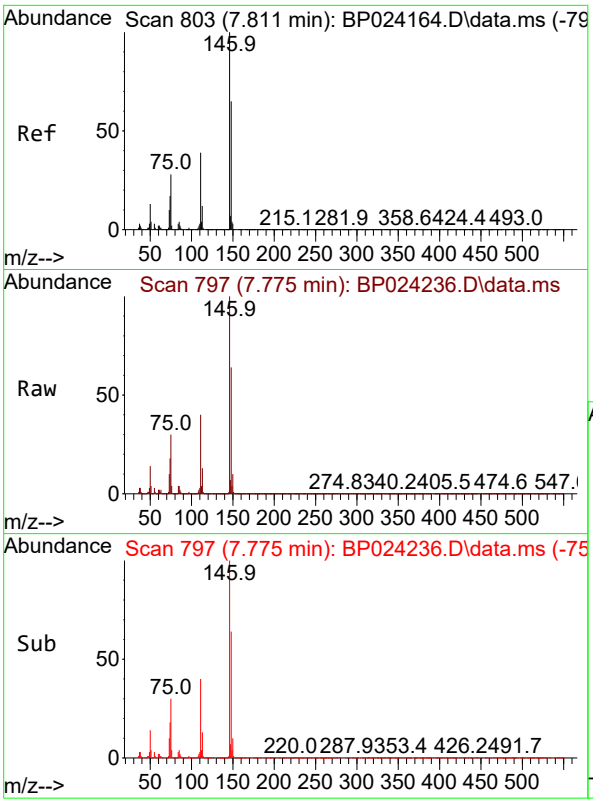


#12
1,3-Dichlorobenzene
Concen: 44.890 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:146 Resp: 962915

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	28.4	22.8	34.2



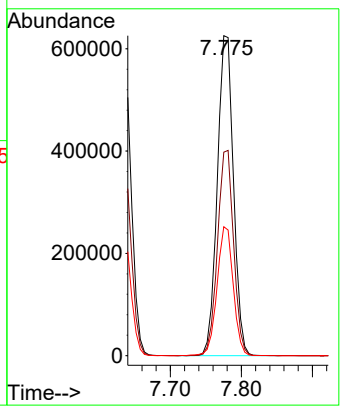


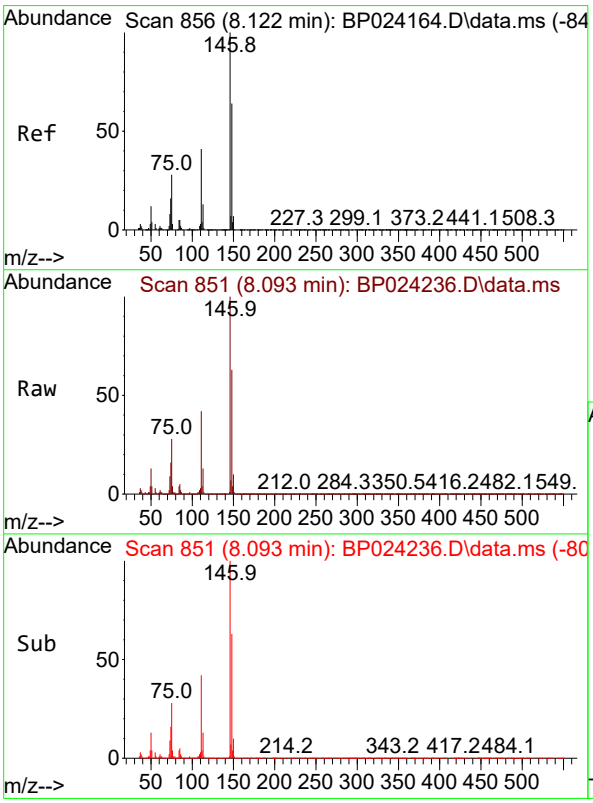
#13
1,4-Dichlorobenzene
Concen: 44.855 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:146 Resp: 982397

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
111	40.3	31.4	47.2

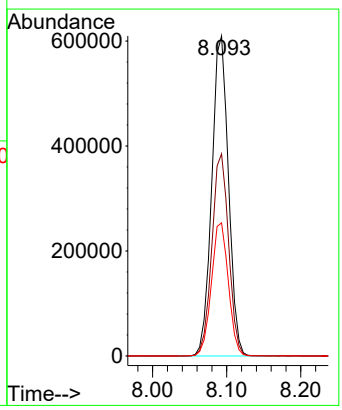


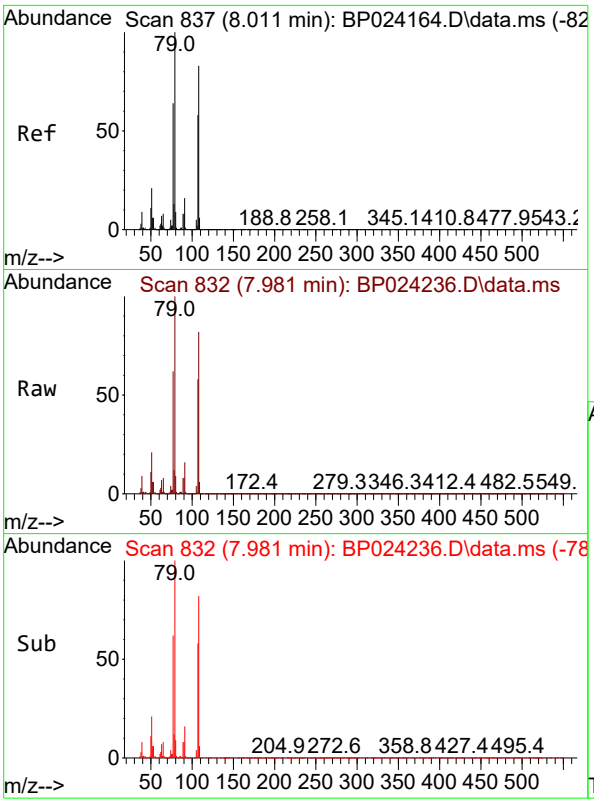


#14
1,2-Dichlorobenzene
Concen: 45.263 ng
RT: 8.093 min Scan# 851
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:146 Resp: 951298

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.2
111	41.6	33.2	49.8



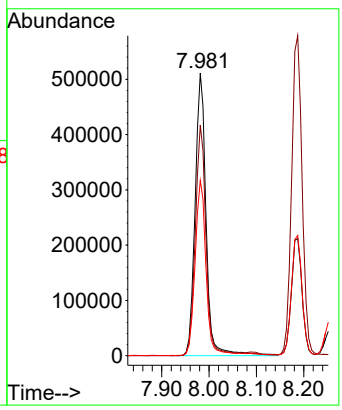


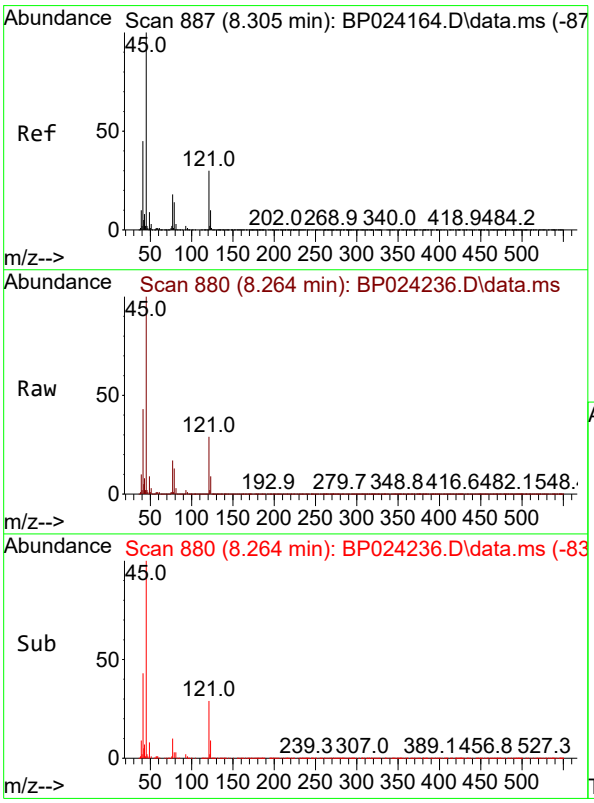
#15
Benzyl Alcohol
Concen: 52.819 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 79 Resp: 823487

Ion	Ratio	Lower	Upper
79	100		
108	81.5	66.5	99.7
77	62.0	50.9	76.3

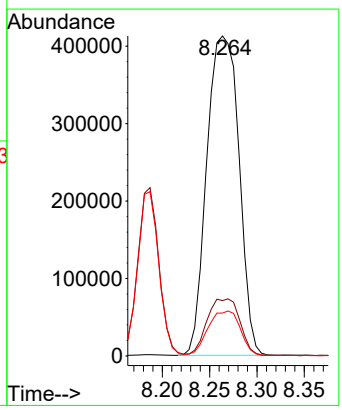


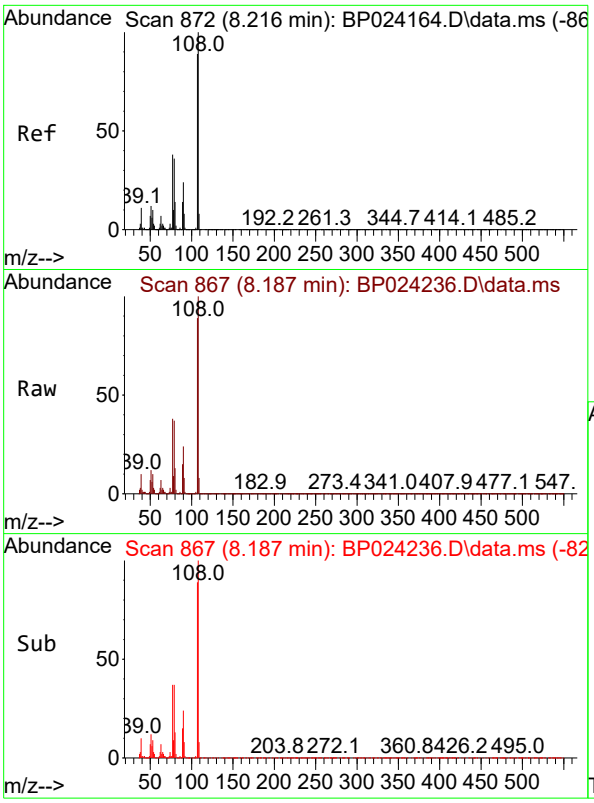


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.801 ng
RT: 8.264 min Scan# 880
Delta R.T. -0.041 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 45 Resp: 976470

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	39.0
79	13.4	0.0	35.6



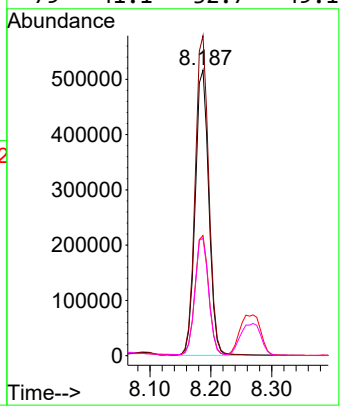


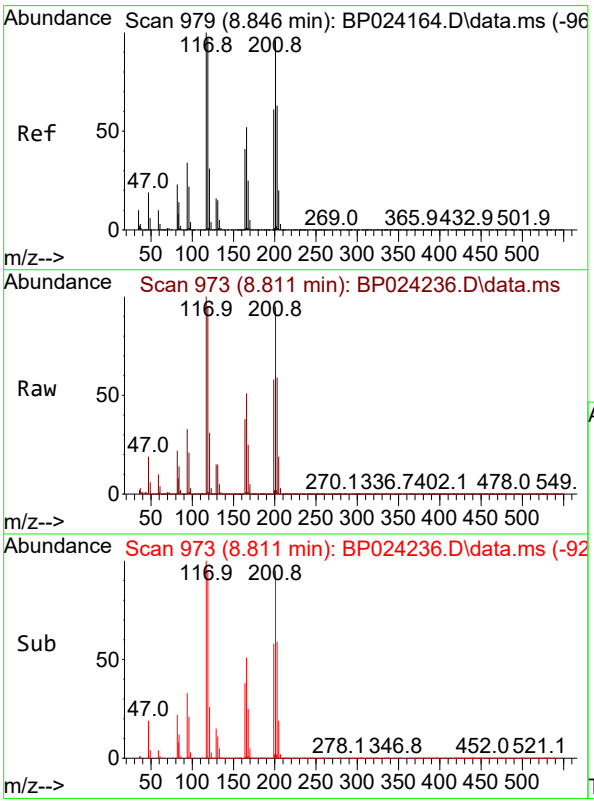
#17
2-Methylphenol
Concen: 51.199 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:107 Resp: 798158

Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.0	135.0
77	42.1	34.0	51.0
79	41.1	32.7	49.1

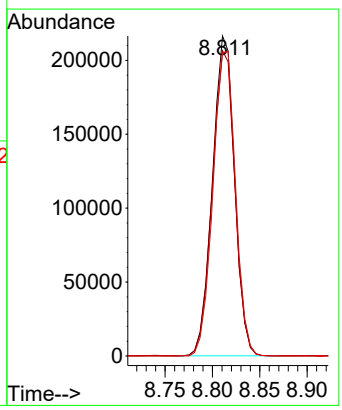


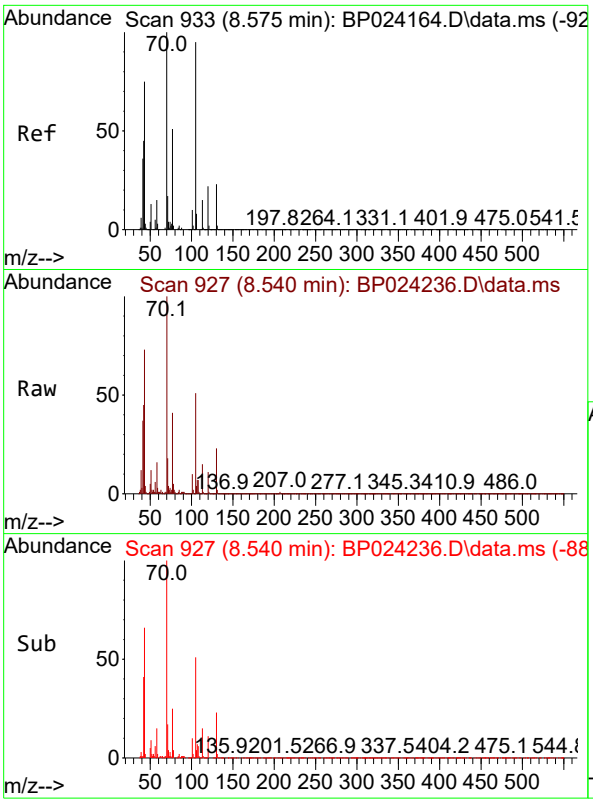


#18
Hexachloroethane
Concen: 45.156 ng
RT: 8.811 min Scan# 973
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:117 Resp: 350878

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
201	94.7	76.6	114.8



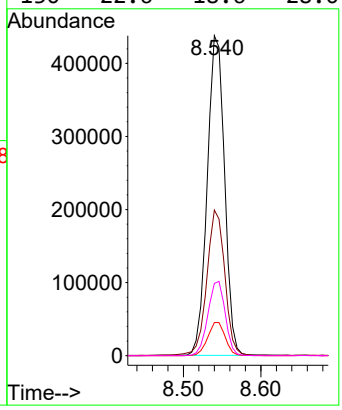


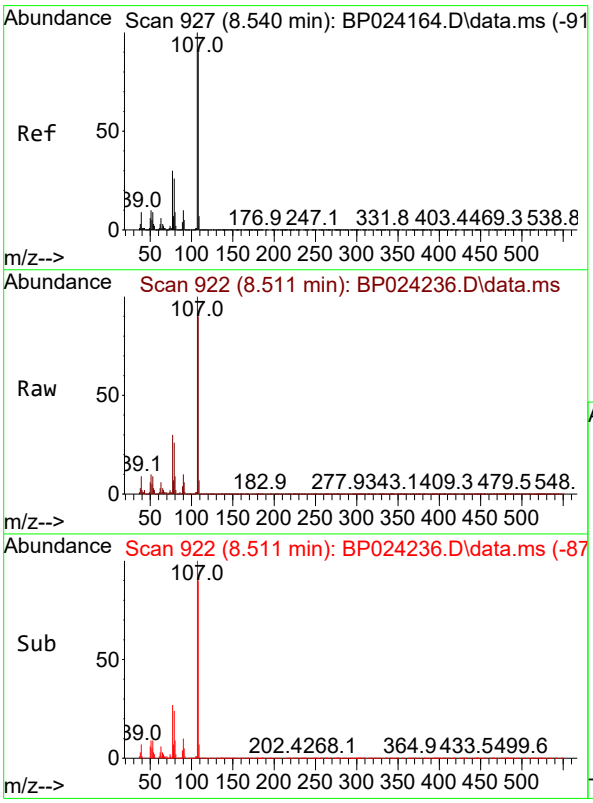
#19
n-Nitroso-di-n-propylamine
Concen: 47.549 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 70 Resp: 679320

Ion	Ratio	Lower	Upper
70	100		
42	45.5	36.0	54.0
101	10.4	8.3	12.5
130	22.6	18.6	28.0

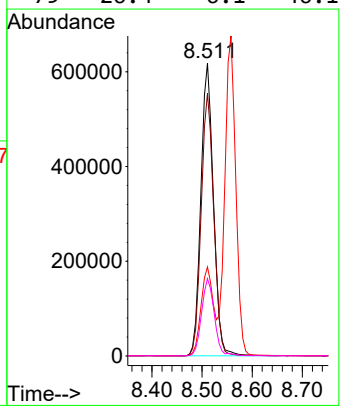


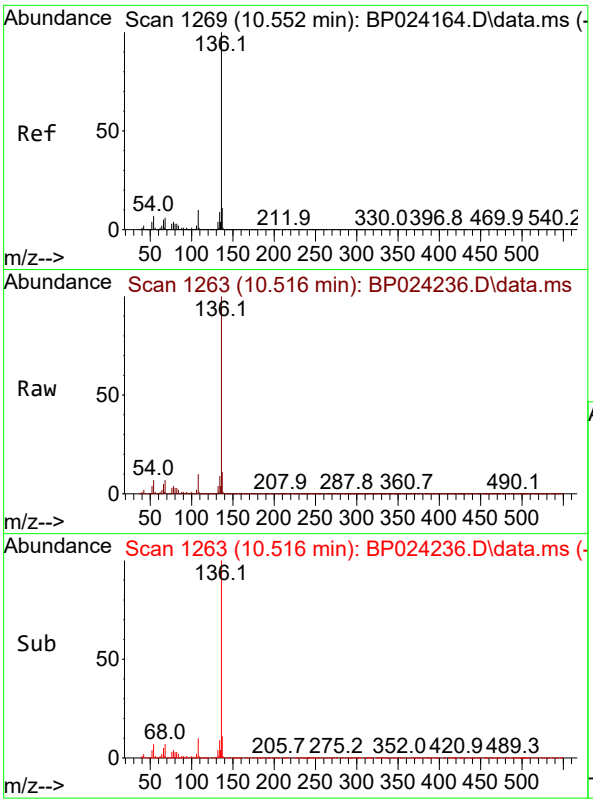


#20
3+4-Methylphenols
Concen: 50.340 ng
RT: 8.511 min Scan# 922
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:107 Resp: 1078168

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.7	109.7
77	30.4	10.3	50.3
79	26.4	6.1	46.1



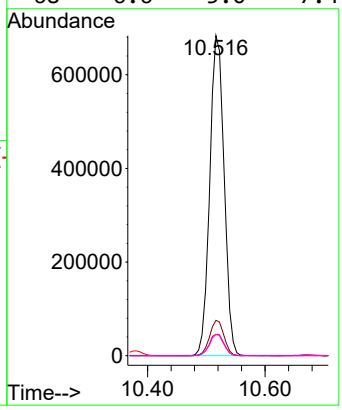


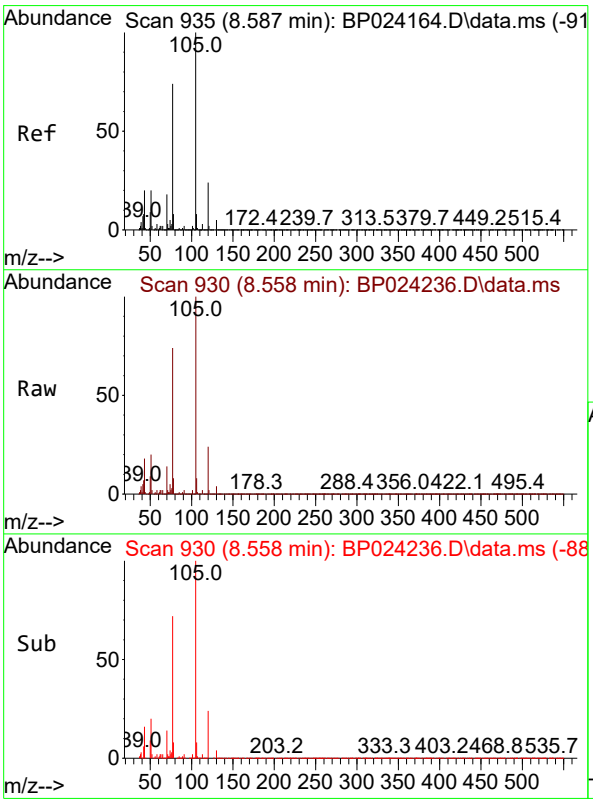
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:136 Resp: 1159024

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.7	5.3	7.9
68	6.6	5.0	7.4

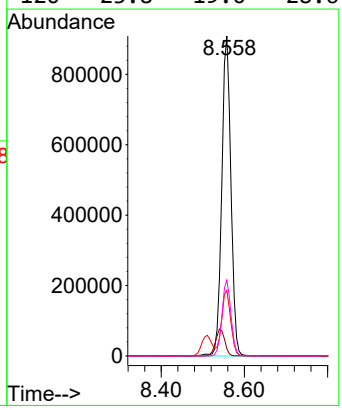


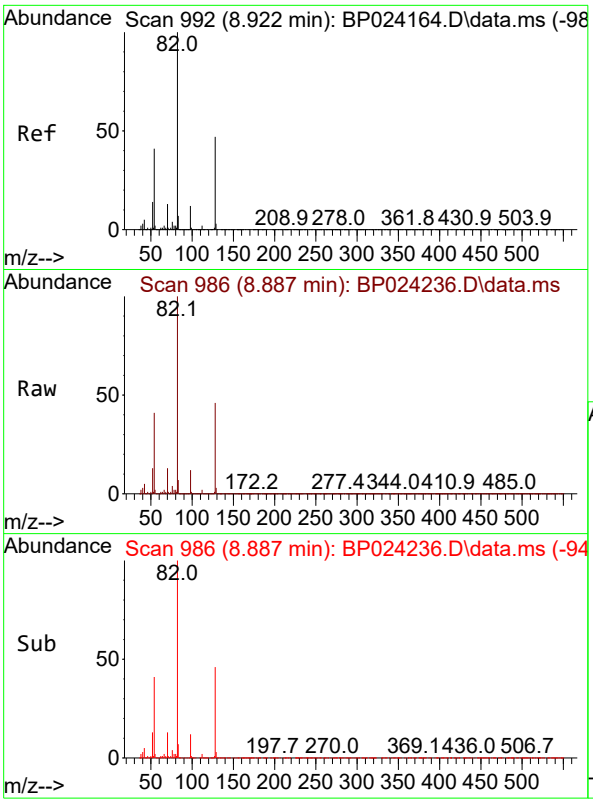


#22
Acetophenone
Concen: 47.457 ng
RT: 8.558 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:105 Resp: 1390606

Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.4	3.6#
51	20.5	16.2	24.2
120	23.8	19.0	28.6



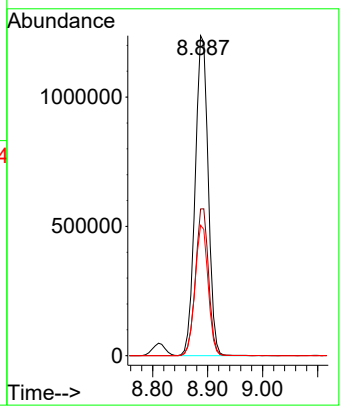


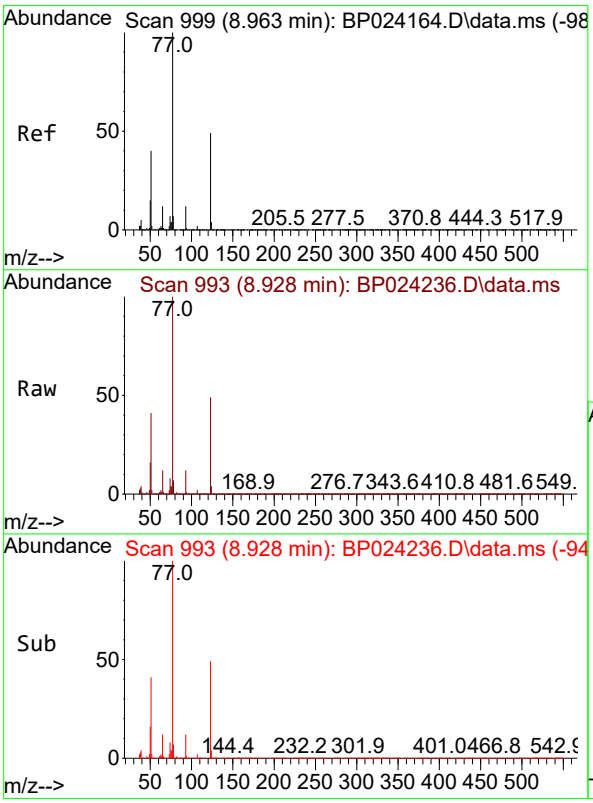
#23
Nitrobenzene-d5
Concen: 99.405 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 82 Resp: 2042009

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.4	56.0
54	40.8	32.5	48.7

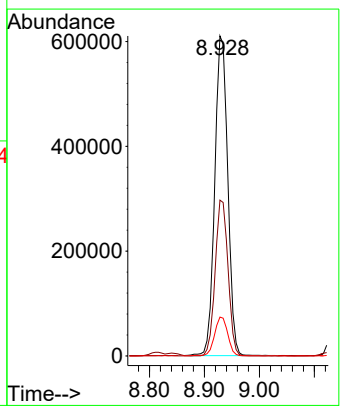


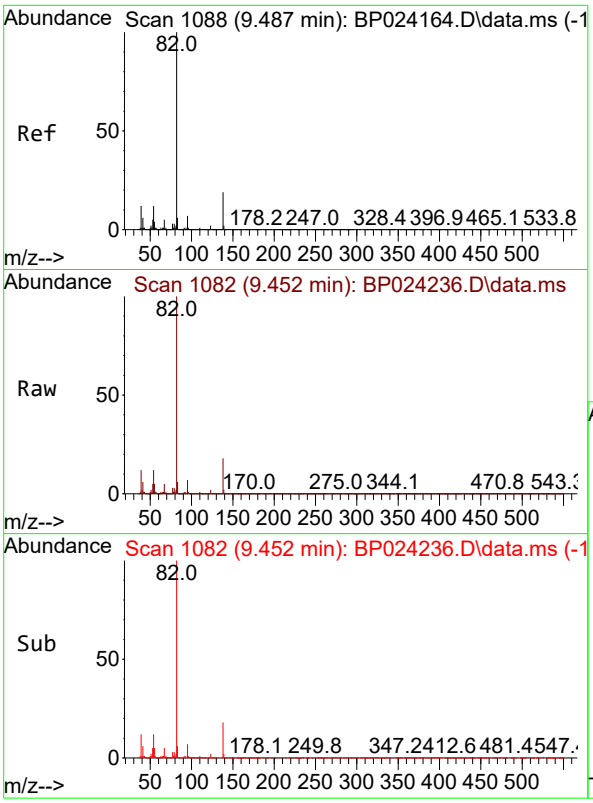


#24
Nitrobenzene
Concen: 49.486 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 77 Resp: 1002835

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.4	59.2
65	12.2	9.9	14.9



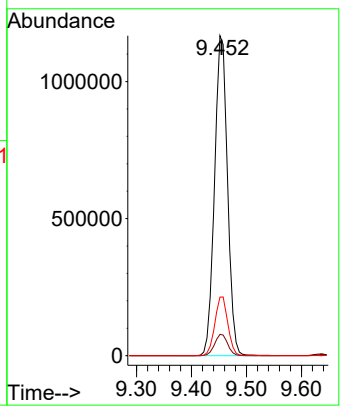


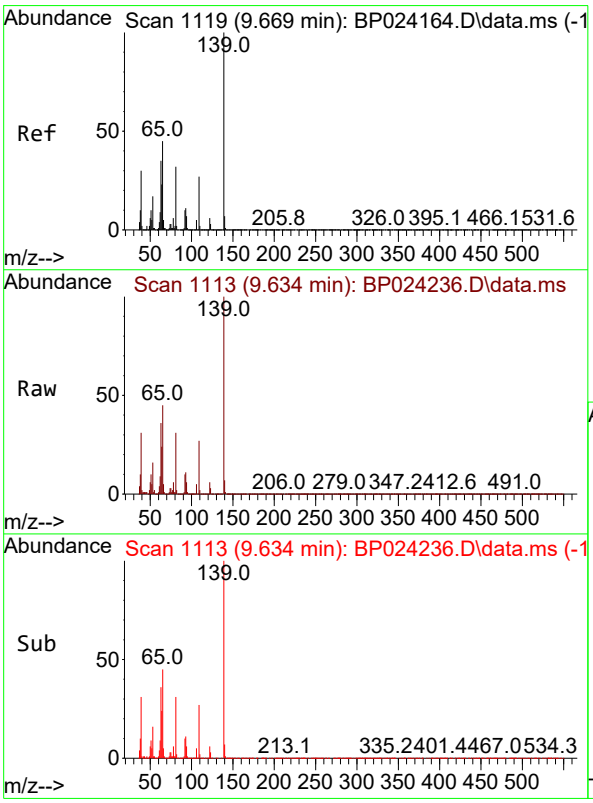
#25
Isophorone
Concen: 54.335 ng
RT: 9.452 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 82 Resp: 1913326

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.3	14.8	22.2

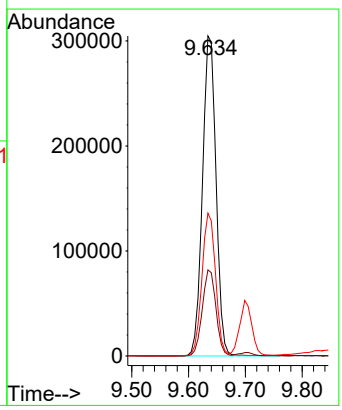


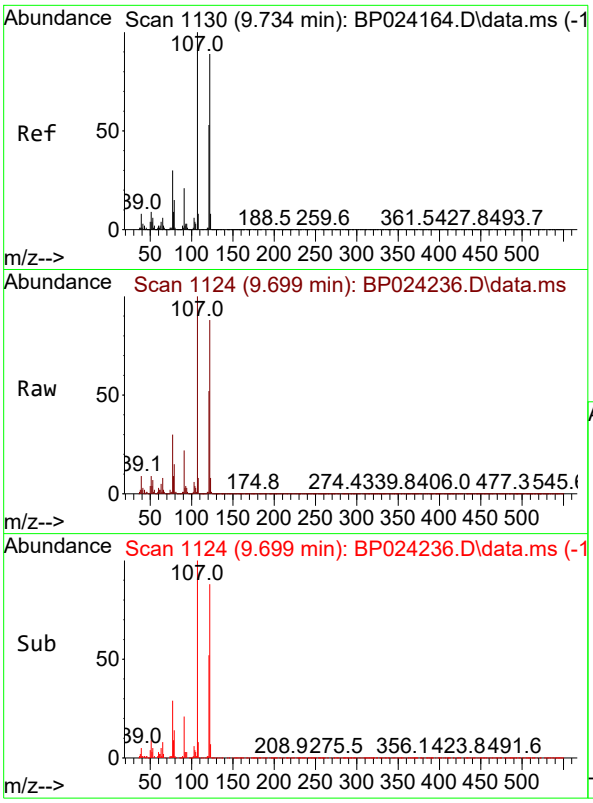


#26
2-Nitrophenol
Concen: 52.039 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:139 Resp: 503733

Ion	Ratio	Lower	Upper
139	100		
109	26.9	21.7	32.5
65	44.6	35.8	53.8



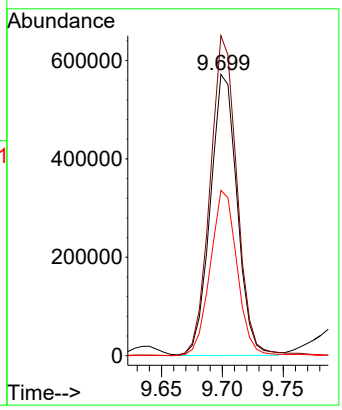


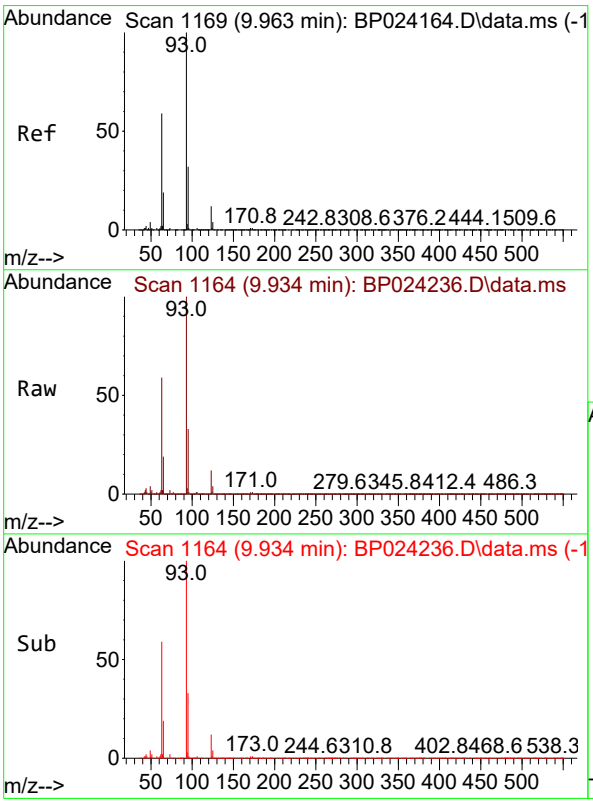
#27
2,4-Dimethylphenol
Concen: 70.401 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:122 Resp: 876284

Ion	Ratio	Lower	Upper
122	100		
107	113.8	89.3	133.9
121	58.8	47.5	71.3

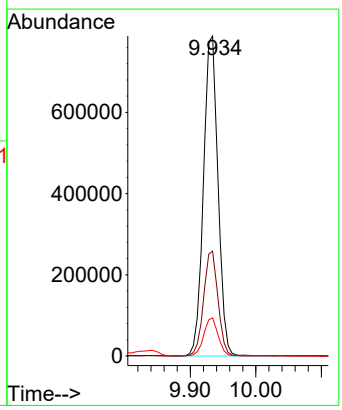


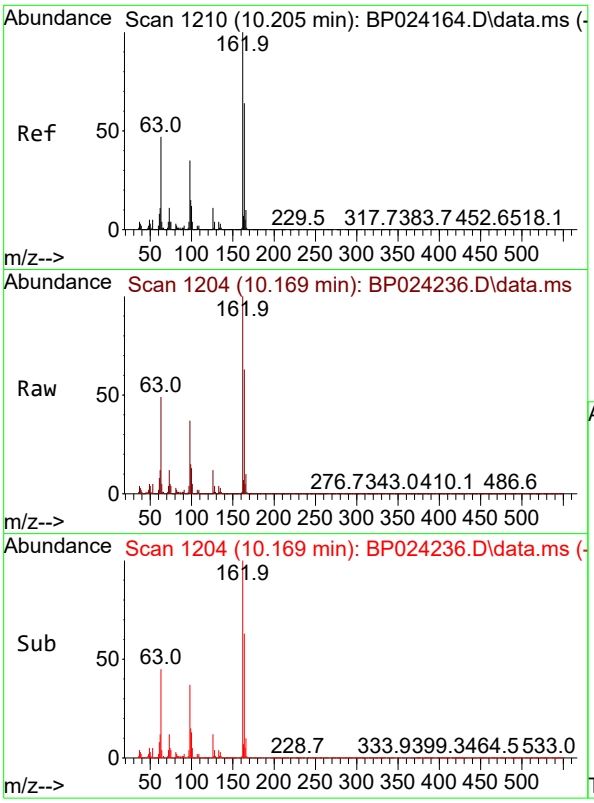


#28
bis(2-Chloroethoxy)methane
Concen: 49.123 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 93 Resp: 1216909

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.9	38.9
123	11.9	9.5	14.3



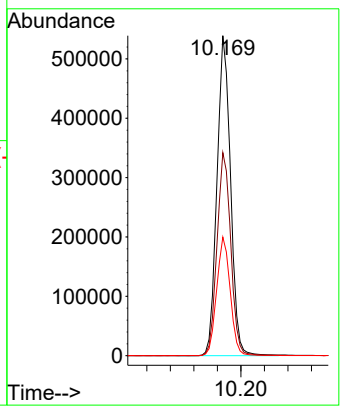


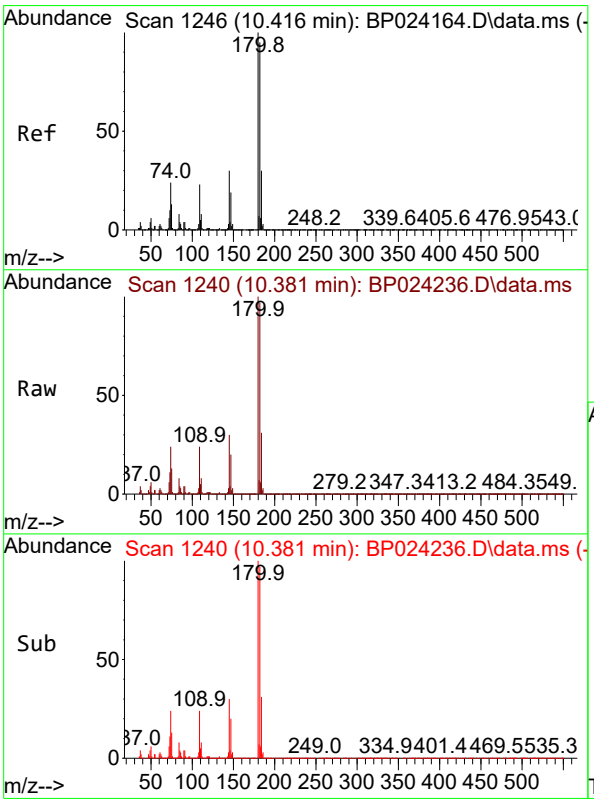
#29
2,4-Dichlorophenol
Concen: 51.301 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:162 Resp: 863813

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	37.0	15.1	55.1

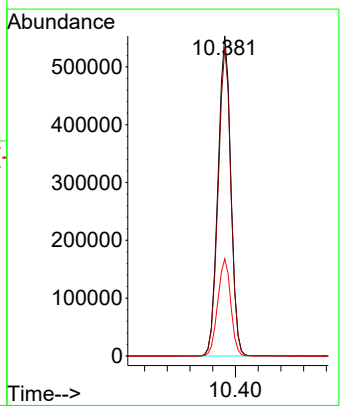


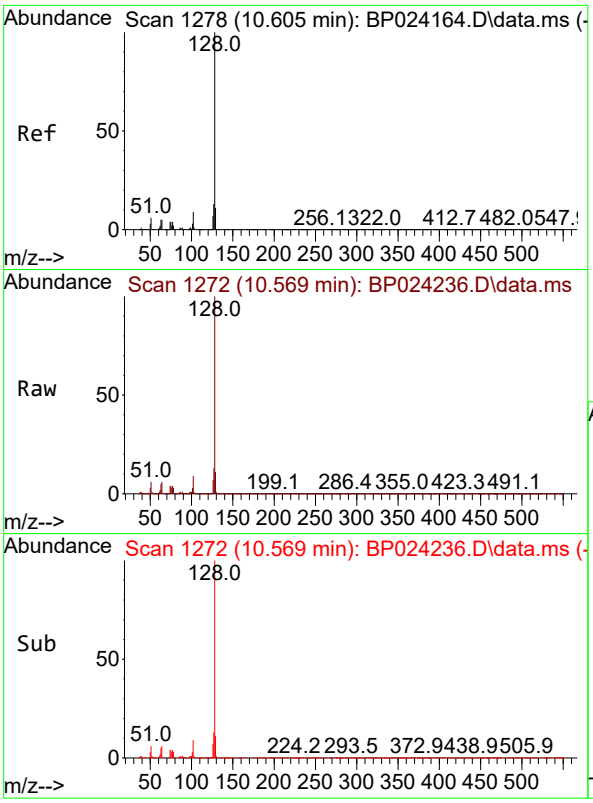


#30
1,2,4-Trichlorobenzene
Concen: 46.555 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:180 Resp: 866083

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.1	114.1
145	30.4	24.2	36.2



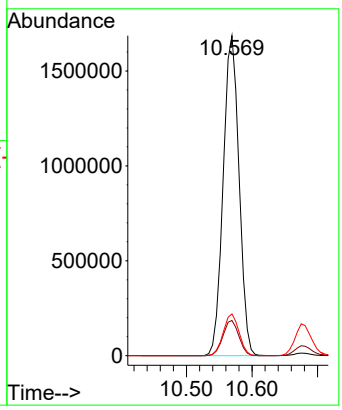


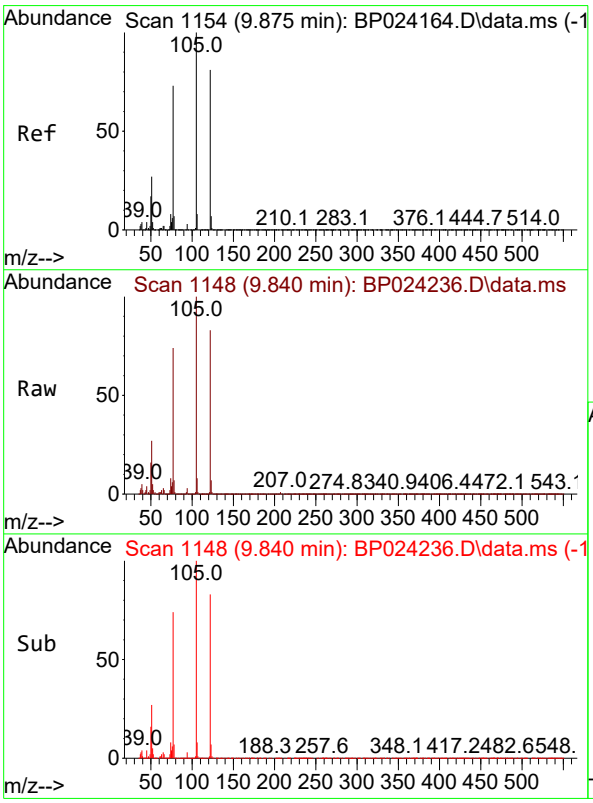
#31
Naphthalene
Concen: 46.003 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:128 Resp: 2826378

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.4	15.6

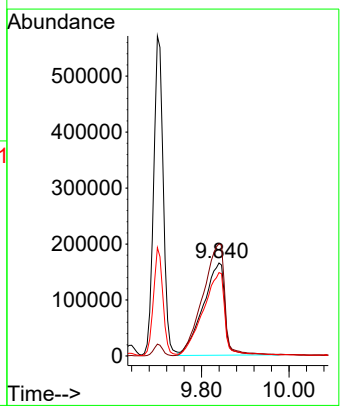


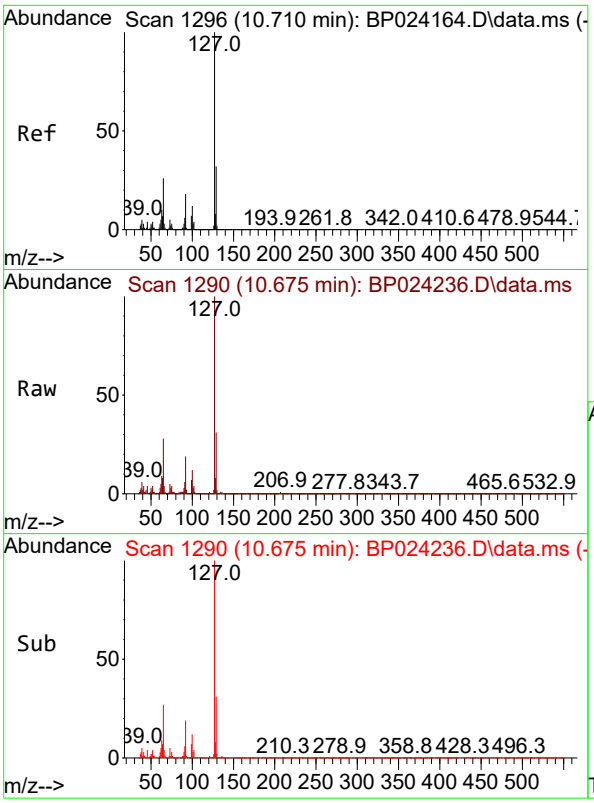


#32
Benzoic acid
Concen: 47.411 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:122 Resp: 575539

Ion	Ratio	Lower	Upper
122	100		
105	120.5	100.3	140.3
77	89.6	69.1	109.1



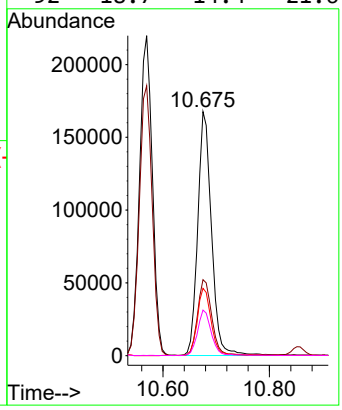


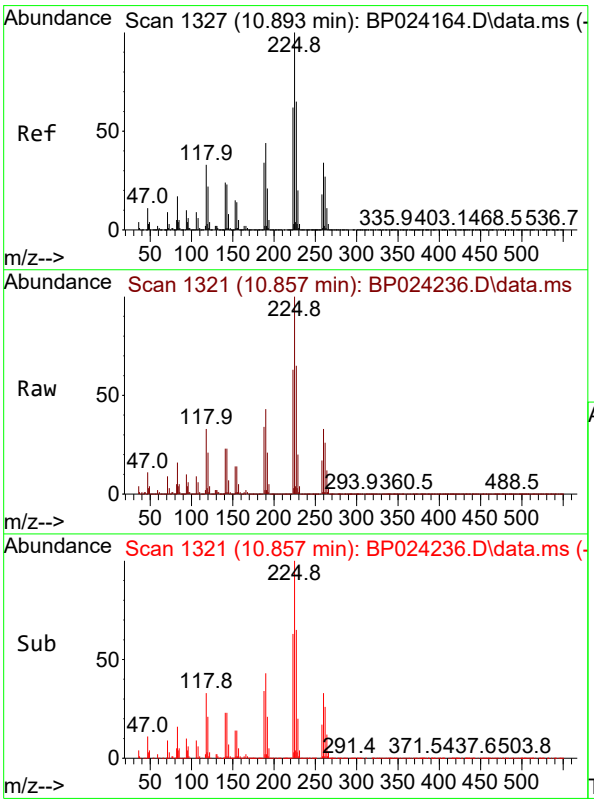
#33
4-Chloroaniline
Concen: 13.676 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:127 Resp: 300692

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.8	38.6
65	27.6	21.2	31.8
92	18.7	14.4	21.6

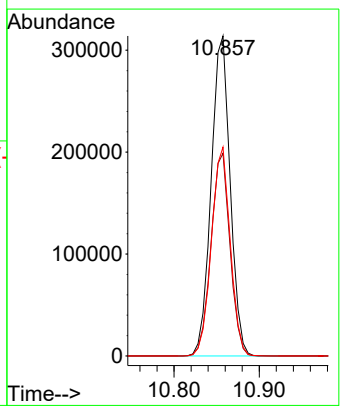


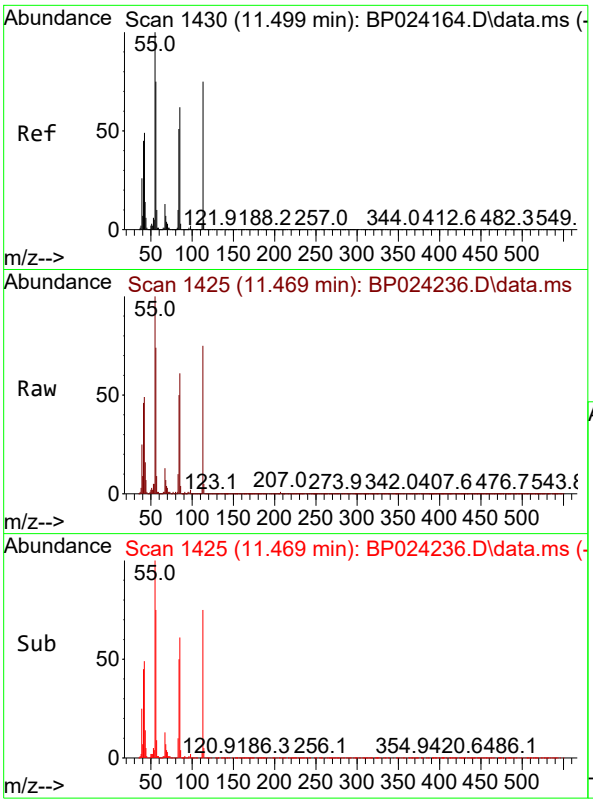


#34
Hexachlorobutadiene
Concen: 45.319 ng
RT: 10.857 min Scan# 1321
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:225 Resp: 485212

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	65.2	52.2	78.2



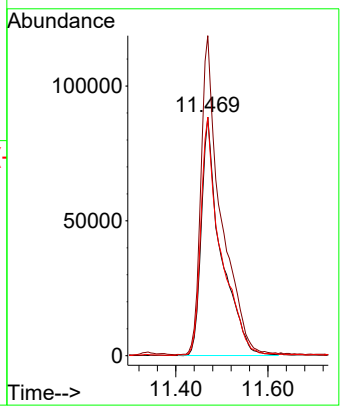


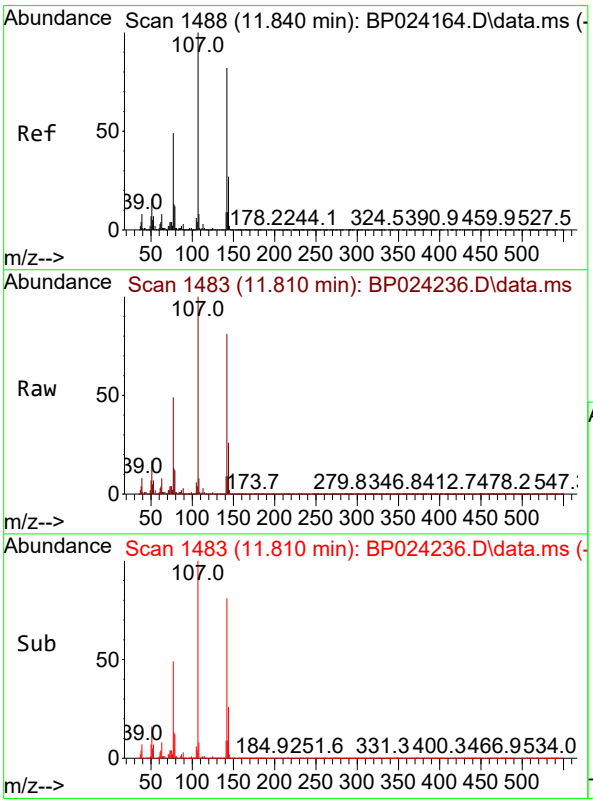
#35
Caprolactam
Concen: 47.135 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:113 Resp: 260114

Ion	Ratio	Lower	Upper
113	100		
55	134.1	113.6	153.6
56	99.9	80.0	120.0

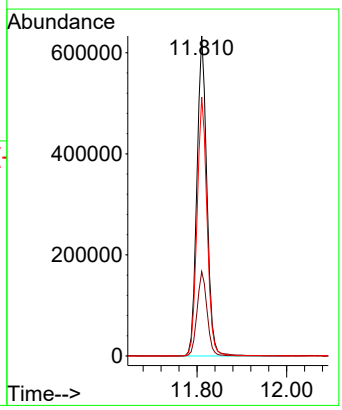


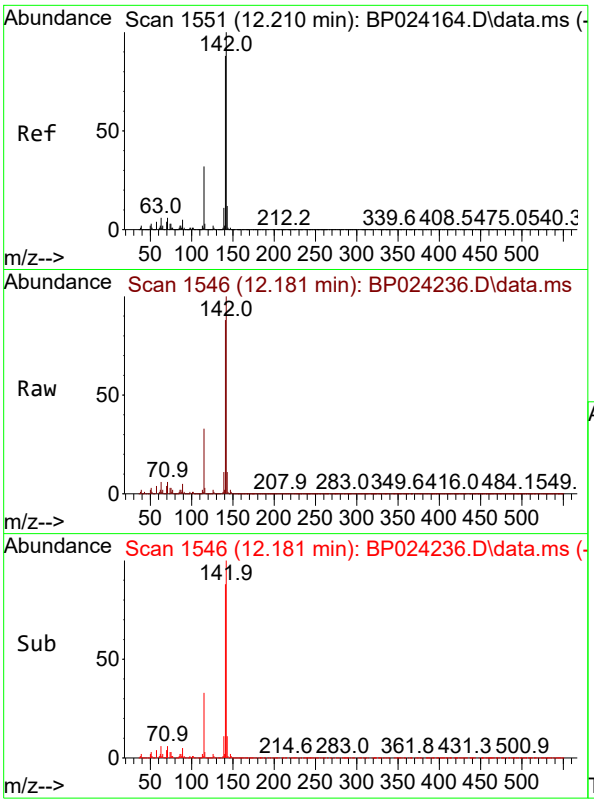


#36
4-Chloro-3-methylphenol
Concen: 53.740 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:107 Resp: 976162

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.6	32.4
142	80.9	65.4	98.0



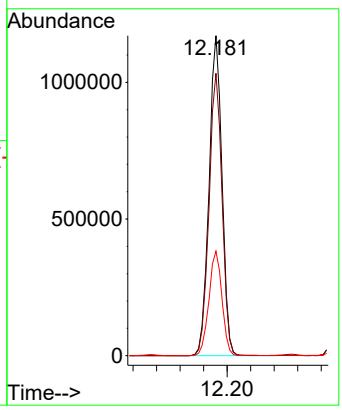


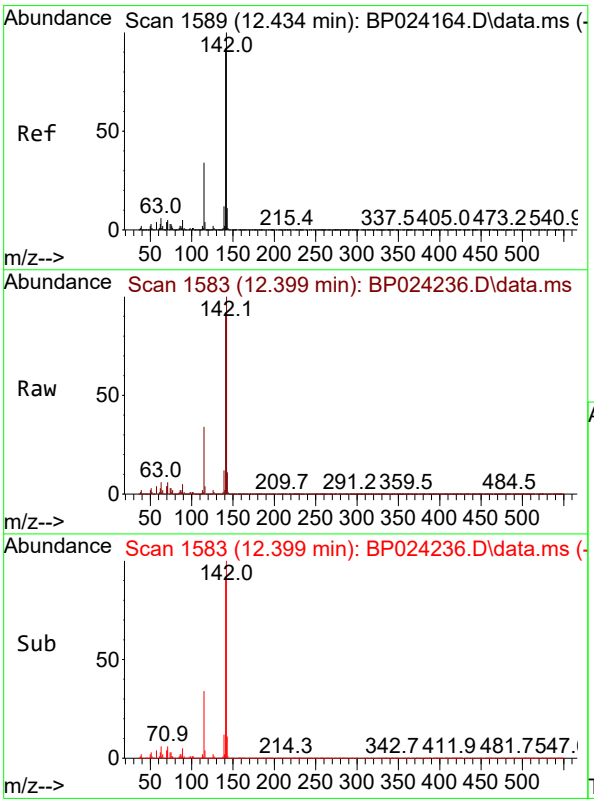
#37
2-Methylnaphthalene
Concen: 43.065 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:142 Resp: 1787474

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	32.6	26.0	39.0

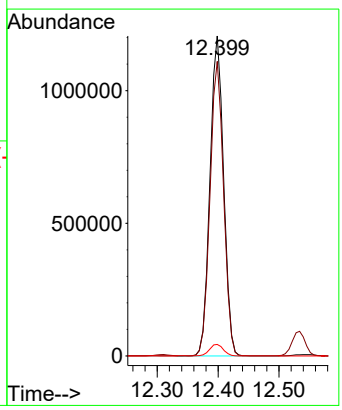


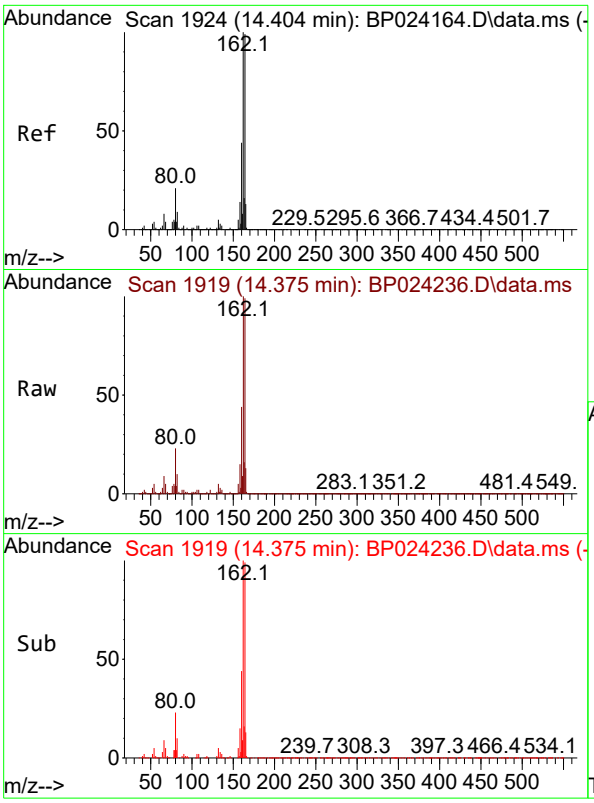


#38
1-Methylnaphthalene
Concen: 46.409 ng
RT: 12.399 min Scan# 1583
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:142 Resp: 1873554

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.9	110.9
116	3.6	2.8	4.2



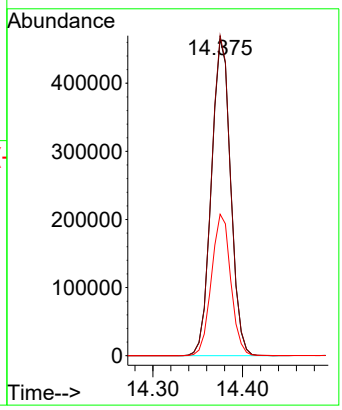


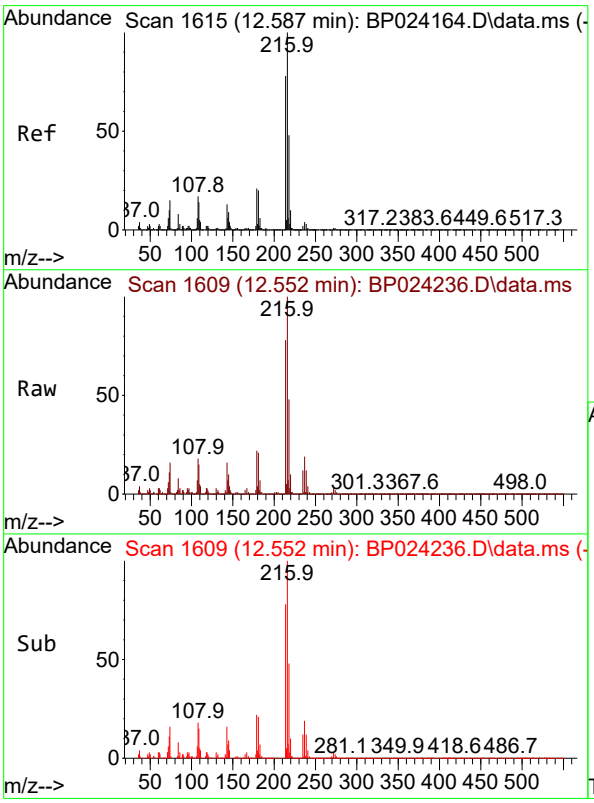
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:164 Resp: 692350

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	44.6	35.4	53.2

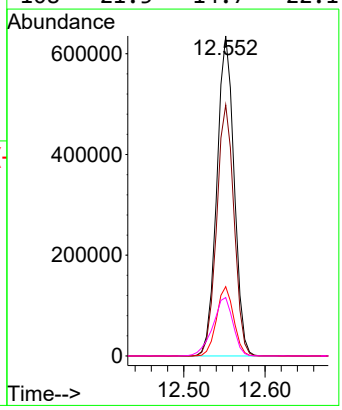


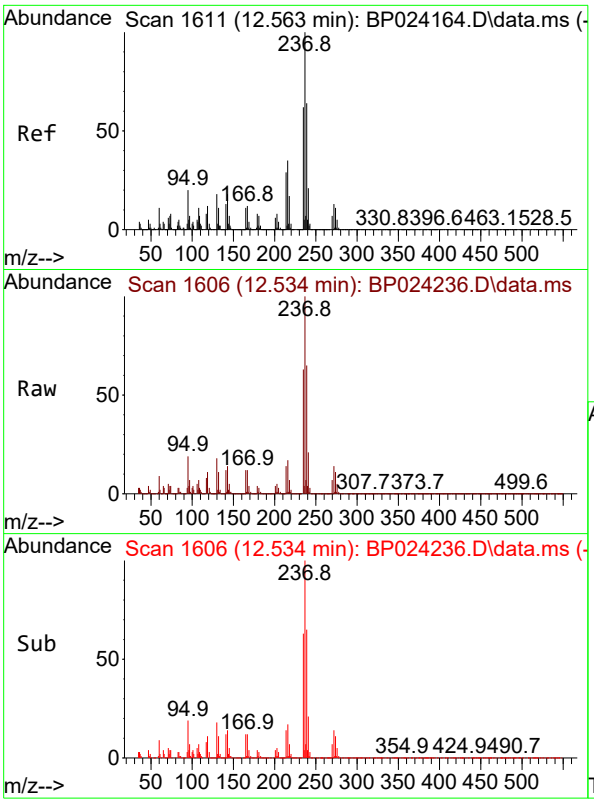


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.939 ng
RT: 12.552 min Scan# 1609
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:216 Resp: 939428

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.8	94.2
179	21.5	16.8	25.2
108	21.5	14.7	22.1



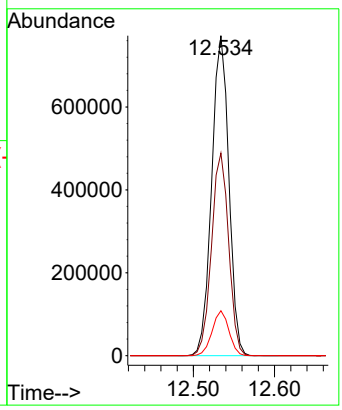


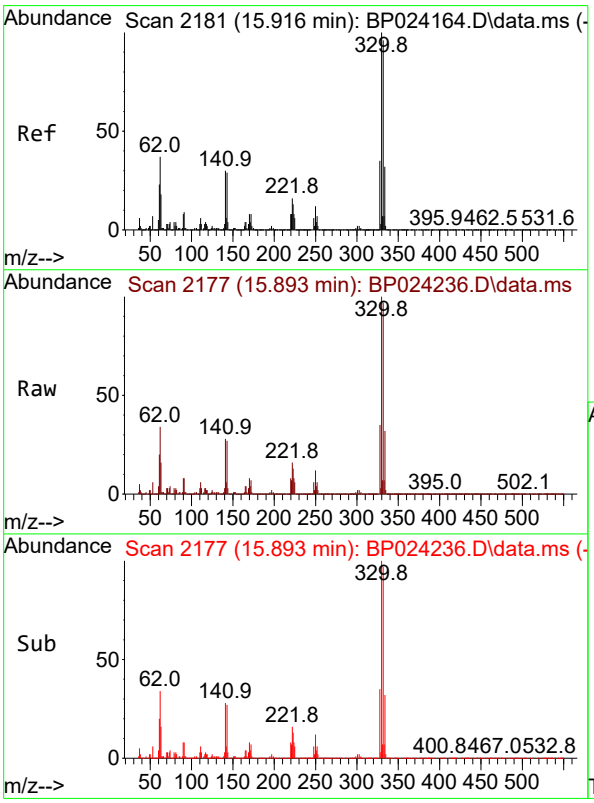
#41
Hexachlorocyclopentadiene
Concen: 156.989 ng
RT: 12.534 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:237 Resp: 1132561

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.8	81.8
272	14.0	0.0	33.5

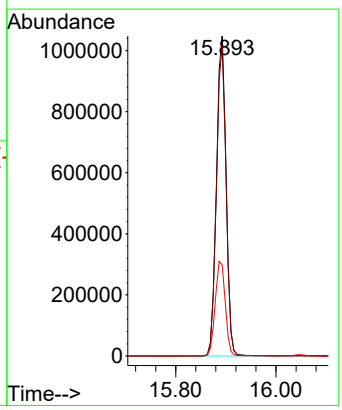


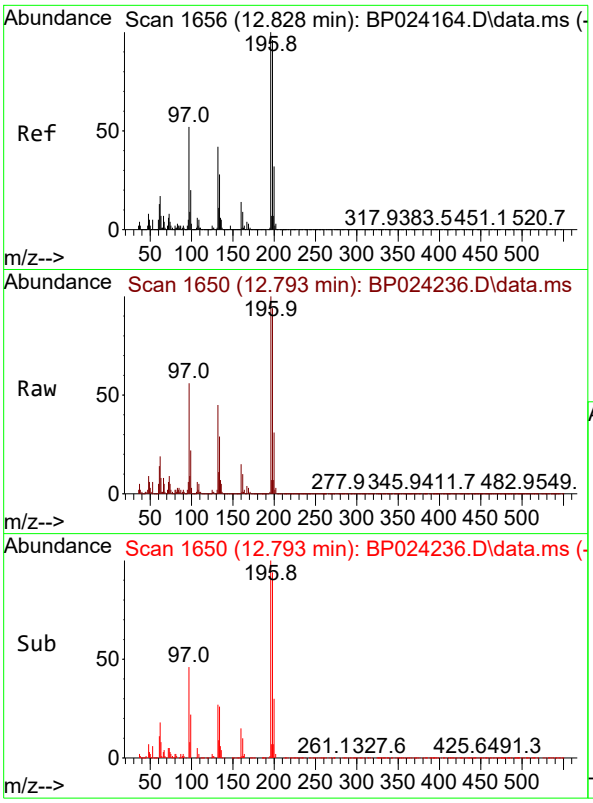


#42
2,4,6-Tribromophenol
Concen: 159.813 ng
RT: 15.893 min Scan# 2177
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:330 Resp: 1393735

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	31.0	25.0	37.6



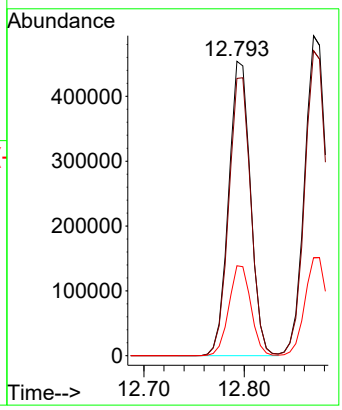


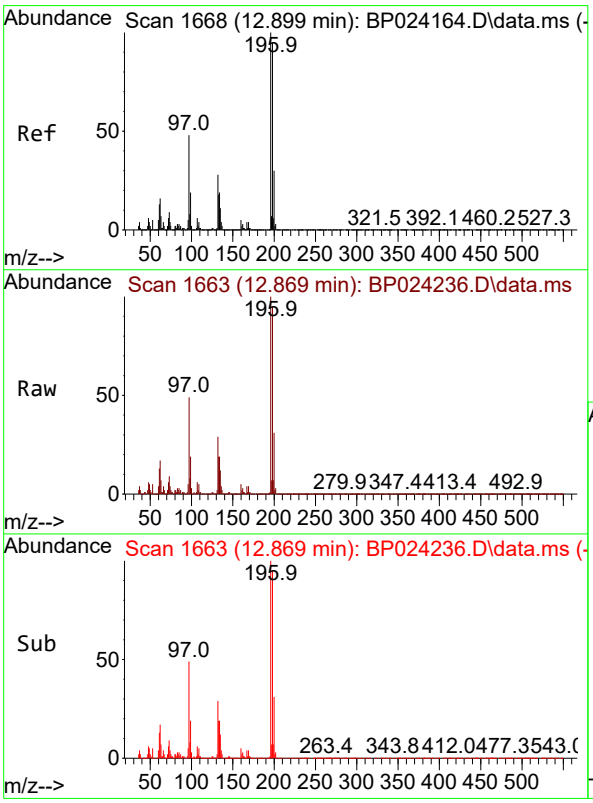
#43
2,4,6-Trichlorophenol
Concen: 54.023 ng
RT: 12.793 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:196 Resp: 687129

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	115.0
200	30.6	25.4	38.0

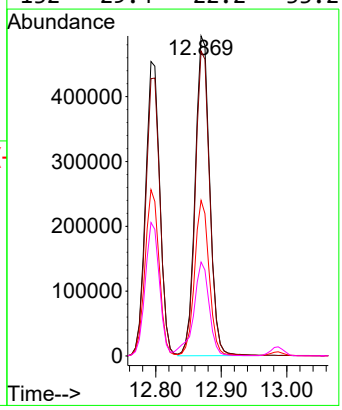


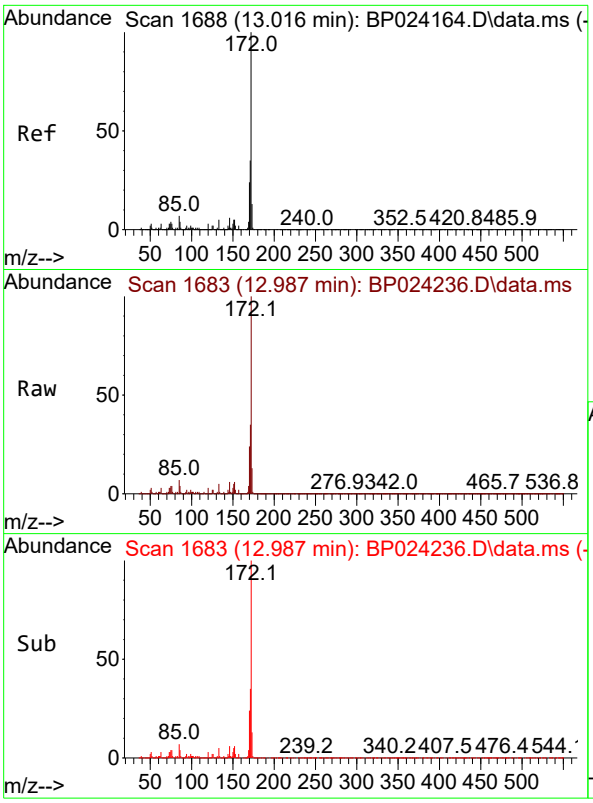


#44
2,4,5-Trichlorophenol
Concen: 54.692 ng
RT: 12.869 min Scan# 1663
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:196 Resp: 762883

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.5	114.7
97	48.6	38.7	58.1
132	29.4	22.2	33.2



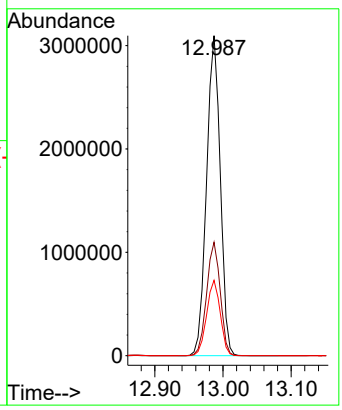


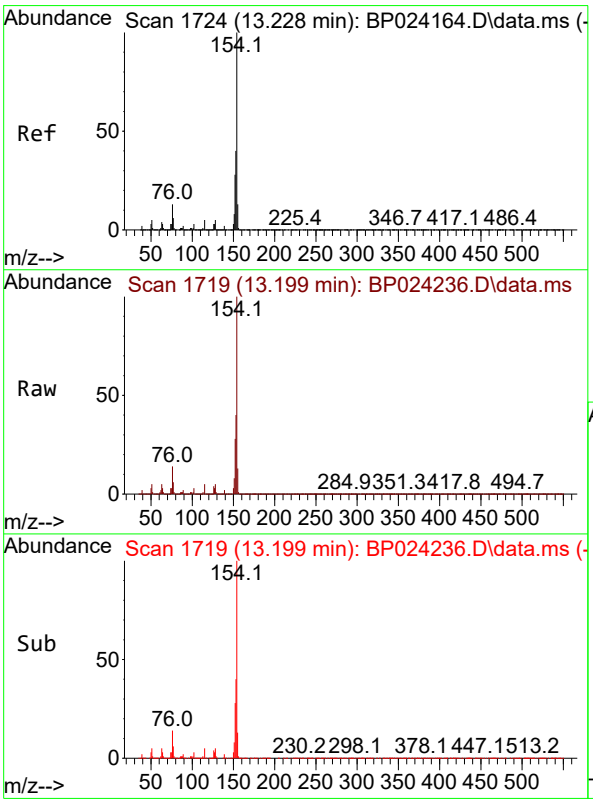
#45
2-Fluorobiphenyl
Concen: 92.204 ng
RT: 12.987 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:172 Resp: 4329349

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.6	19.0	28.4

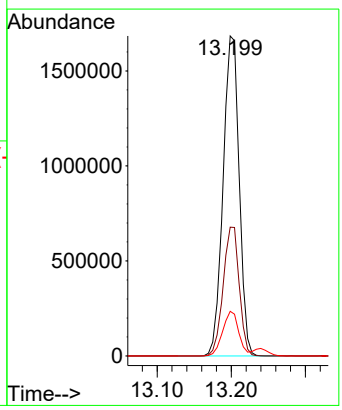


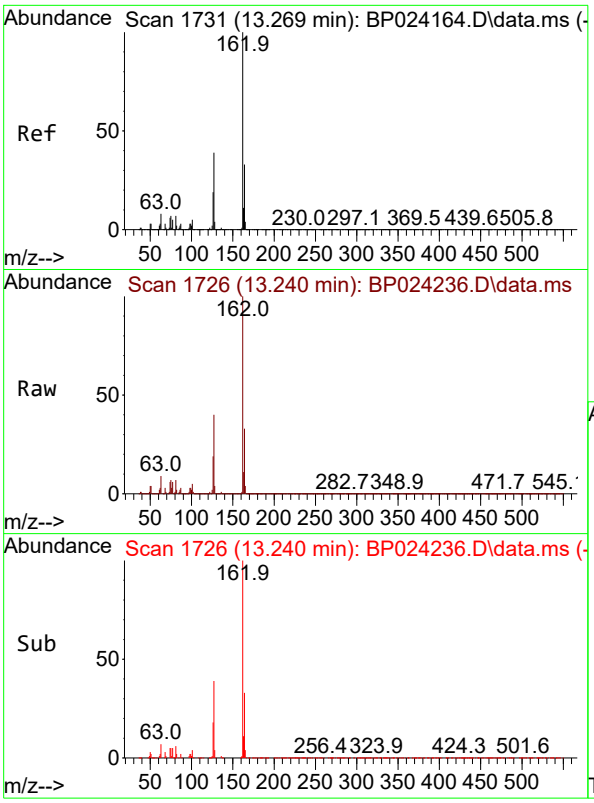


#46
1,1'-Biphenyl
Concen: 48.803 ng
RT: 13.199 min Scan# 1719
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:154 Resp: 2539052

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.9	0.0	32.9



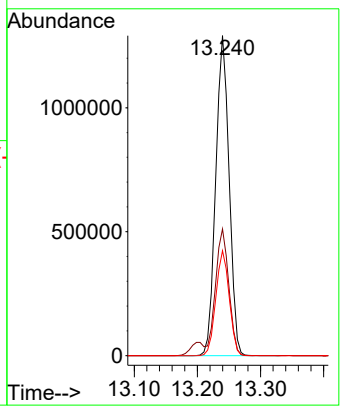


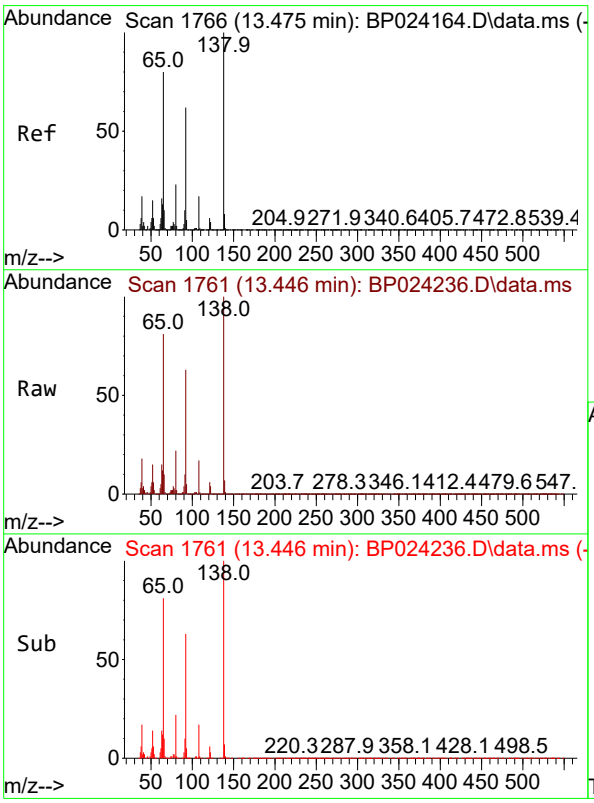
#47
2-Chloronaphthalene
Concen: 48.635 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:162 Resp: 1903244

Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.5	47.3
164	32.8	26.6	39.8

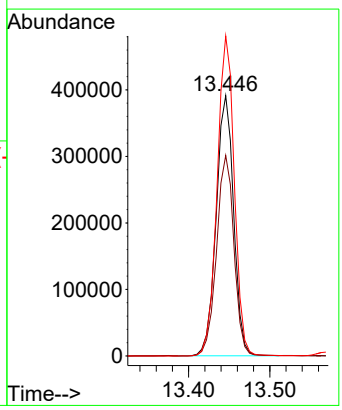


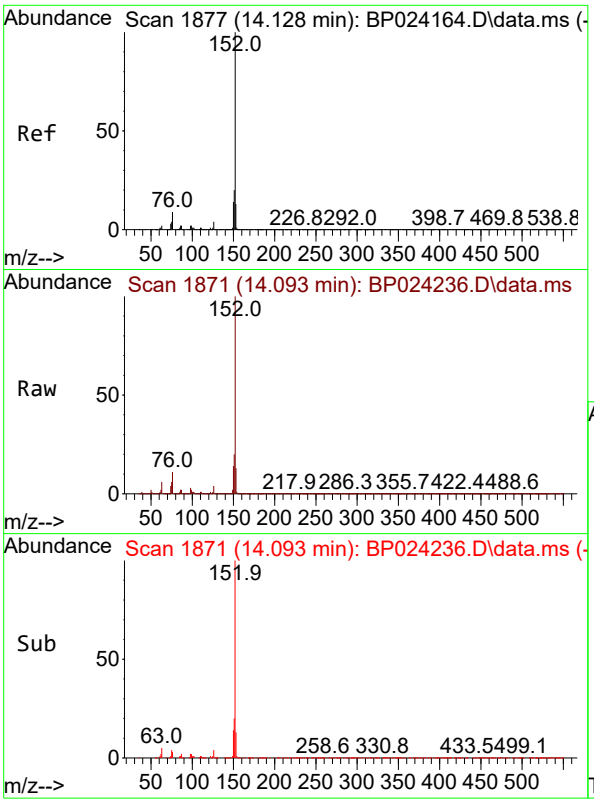


#48
2-Nitroaniline
Concen: 58.544 ng
RT: 13.446 min Scan# 1761
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion: 65 Resp: 585973

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.1	93.1
138	122.9	99.5	149.3



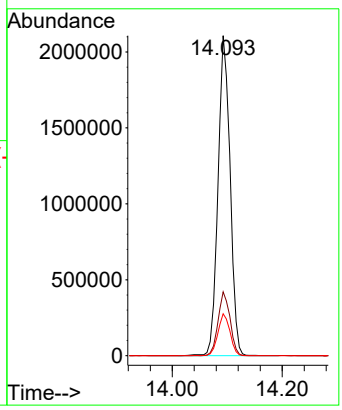


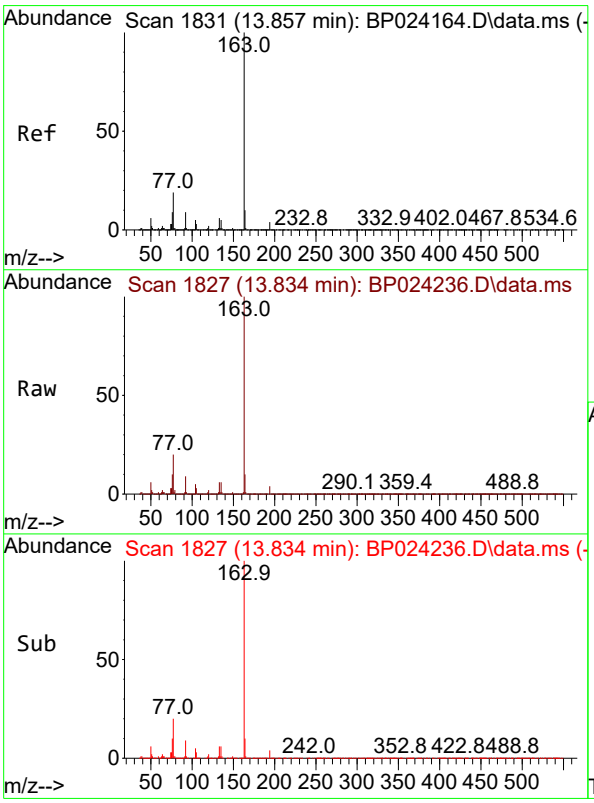
#49
Acenaphthylene
Concen: 54.226 ng
RT: 14.093 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:152 Resp: 3210884

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.1	10.6	15.8

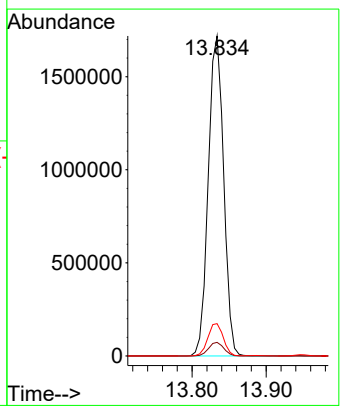


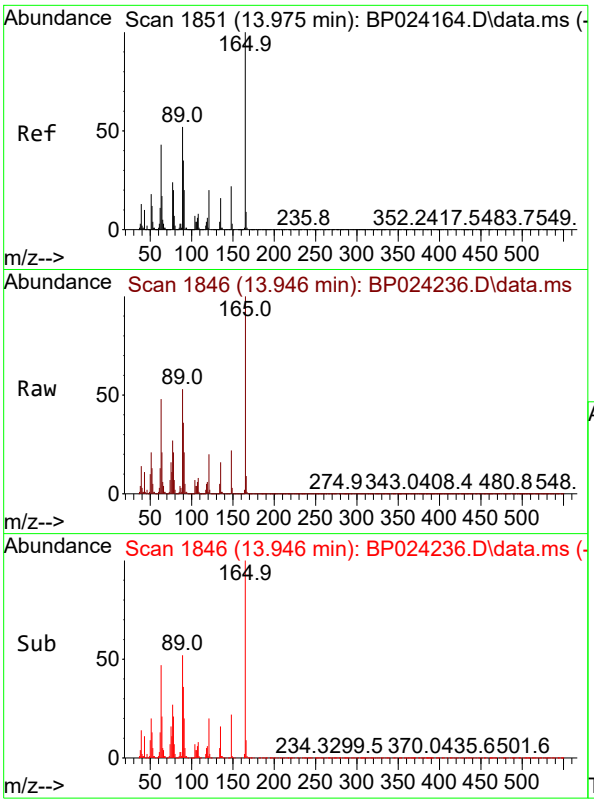


#50
Dimethylphthalate
Concen: 51.087 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:163 Resp: 2474892

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



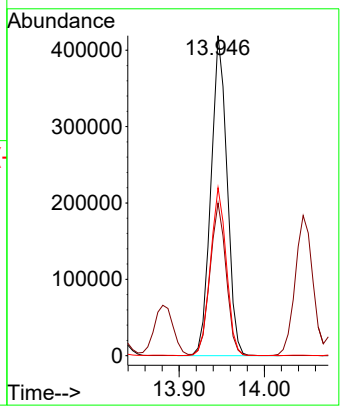


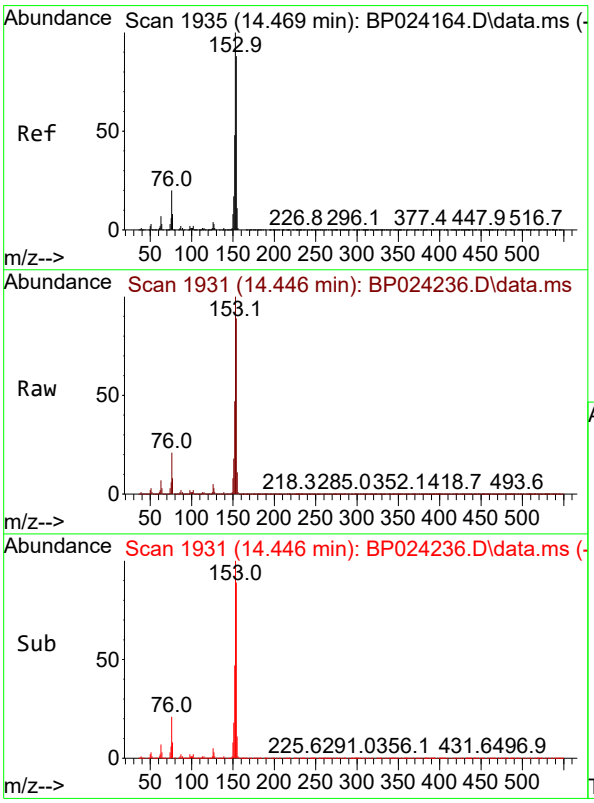
#51
2,6-Dinitrotoluene
Concen: 53.993 ng
RT: 13.946 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:165 Resp: 550356

Ion	Ratio	Lower	Upper
165	100		
63	47.7	37.7	56.5
89	52.5	41.9	62.9

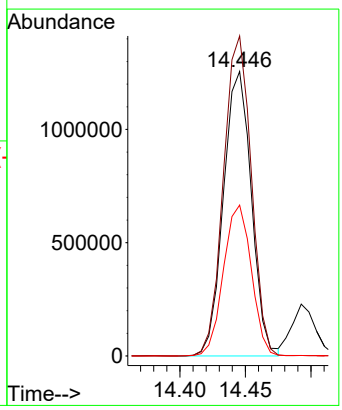


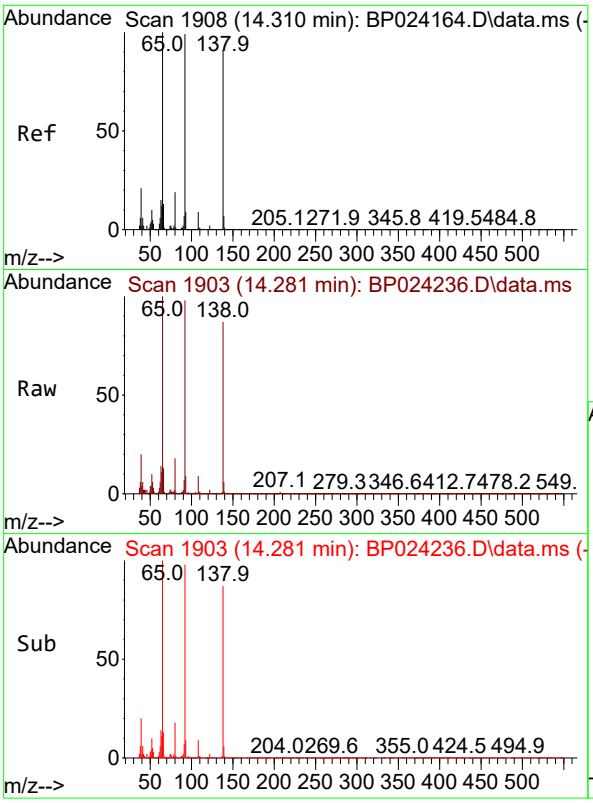


#52
Acenaphthene
Concen: 49.237 ng
RT: 14.446 min Scan# 1931
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:154 Resp: 1862762

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.5	135.7
152	53.1	43.1	64.7



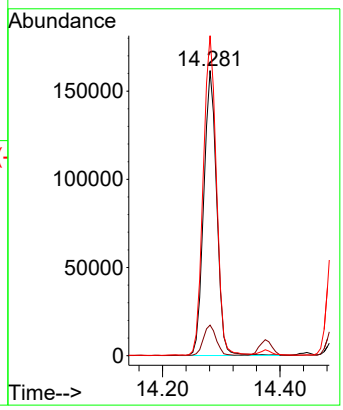


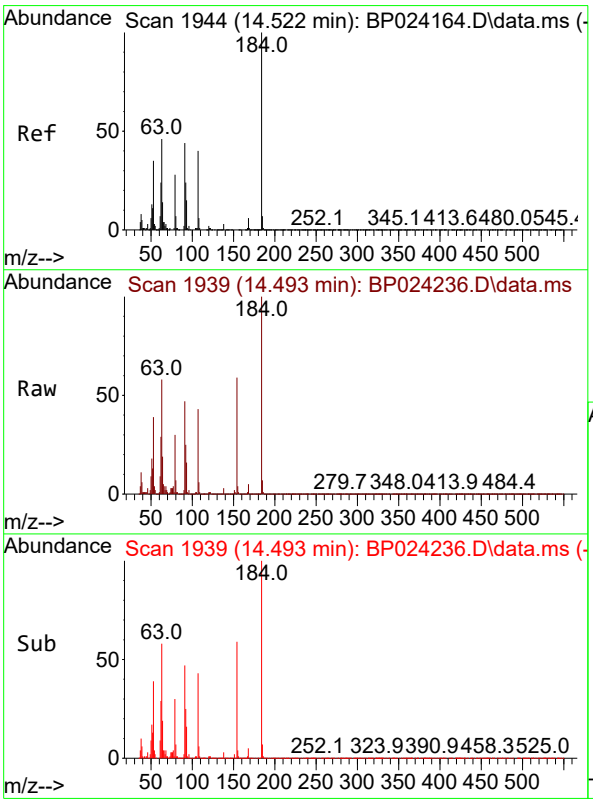
#53
3-Nitroaniline
Concen: 22.437 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:138 Resp: 247010

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.2	12.2
92	112.2	86.7	130.1

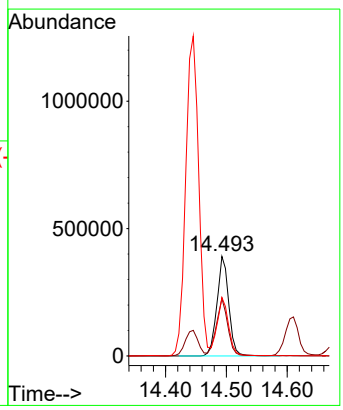


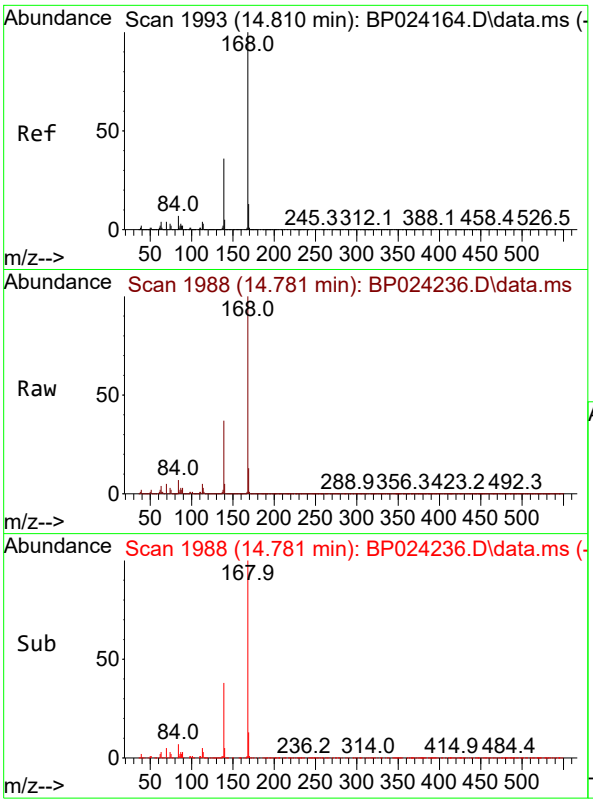


#54
2,4-Dinitrophenol
Concen: 97.639 ng
RT: 14.493 min Scan# 1939
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:184 Resp: 526614

Ion	Ratio	Lower	Upper
184	100		
63	57.8	42.1	63.1
154	58.6	44.6	67.0



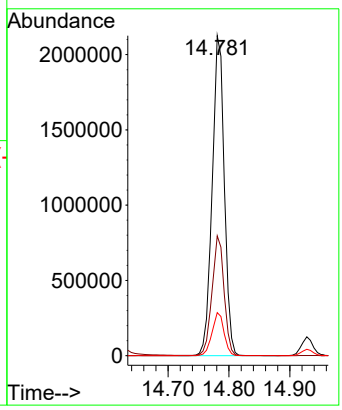


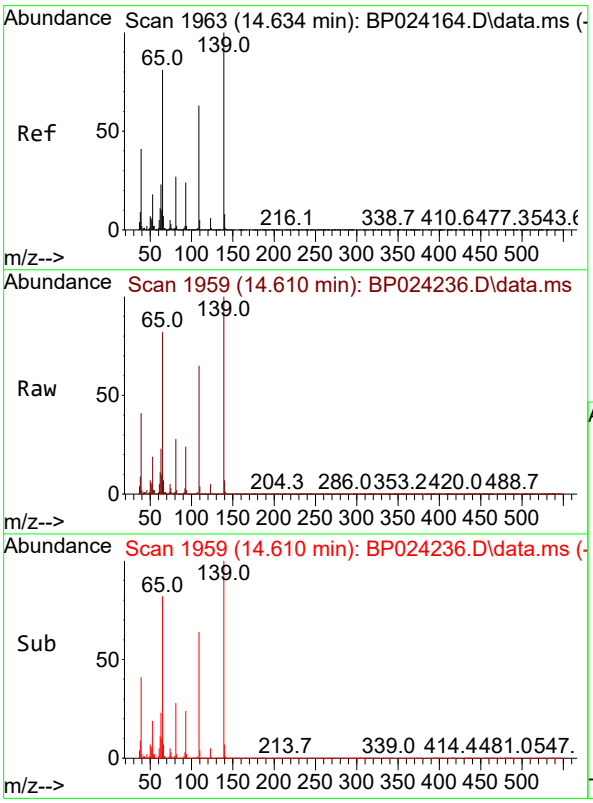
#55
Dibenzofuran
Concen: 47.906 ng
RT: 14.781 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:168 Resp: 2935792

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.1	43.7
169	13.4	10.8	16.2

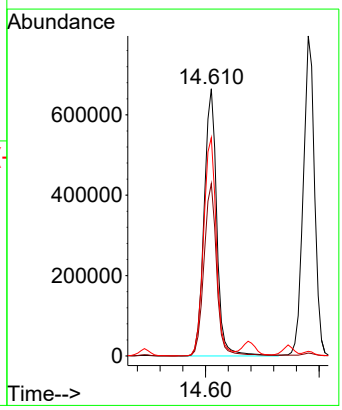


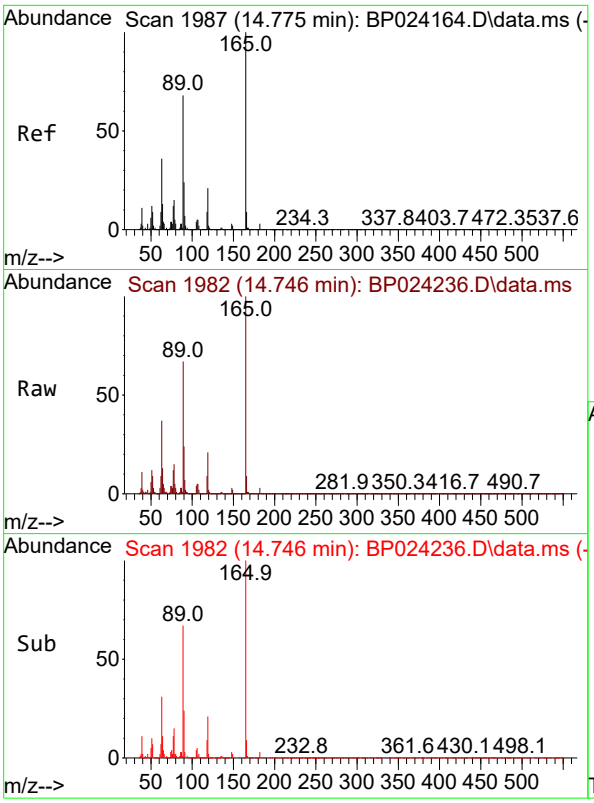


#56
4-Nitrophenol
Concen: 111.193 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:139 Resp: 1022863

Ion	Ratio	Lower	Upper
139	100		
109	64.5	43.3	83.3
65	81.7	61.2	101.2



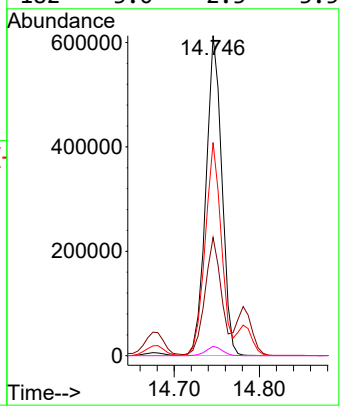


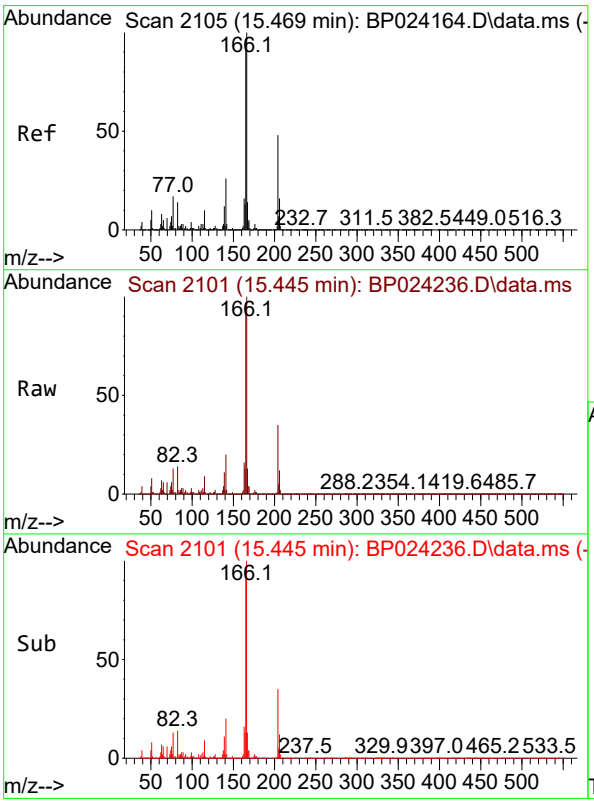
#57
2,4-Dinitrotoluene
Concen: 58.978 ng
RT: 14.746 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:165 Resp: 794086

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	66.6	54.2	81.4
182	3.0	2.3	3.5

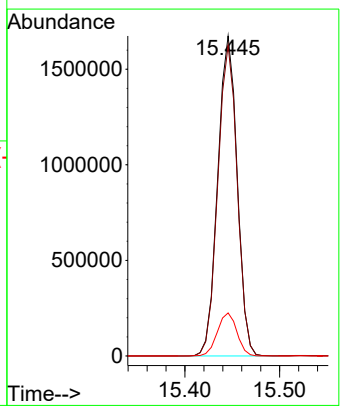


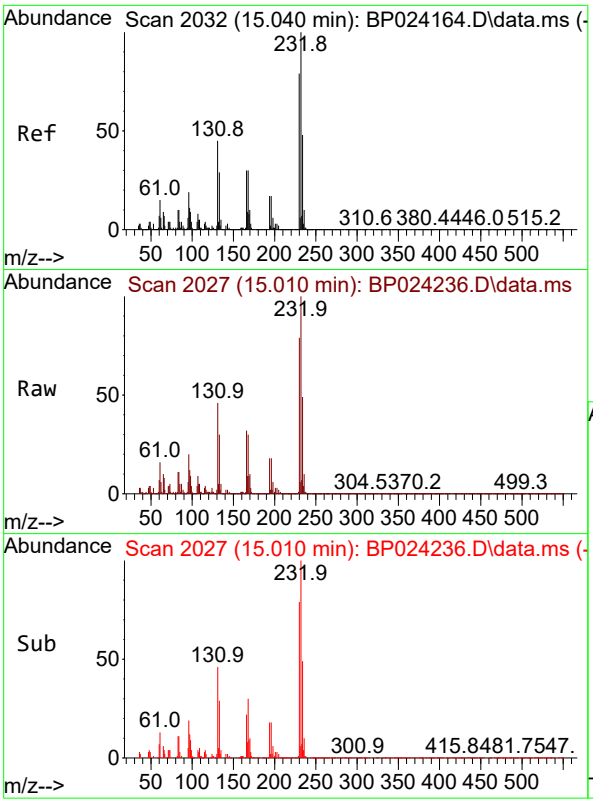


#58
Fluorene
Concen: 50.008 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:166 Resp: 2387738

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.4	10.8	16.2



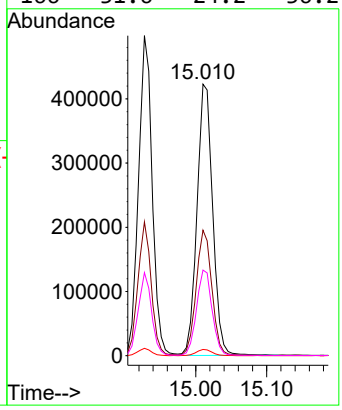


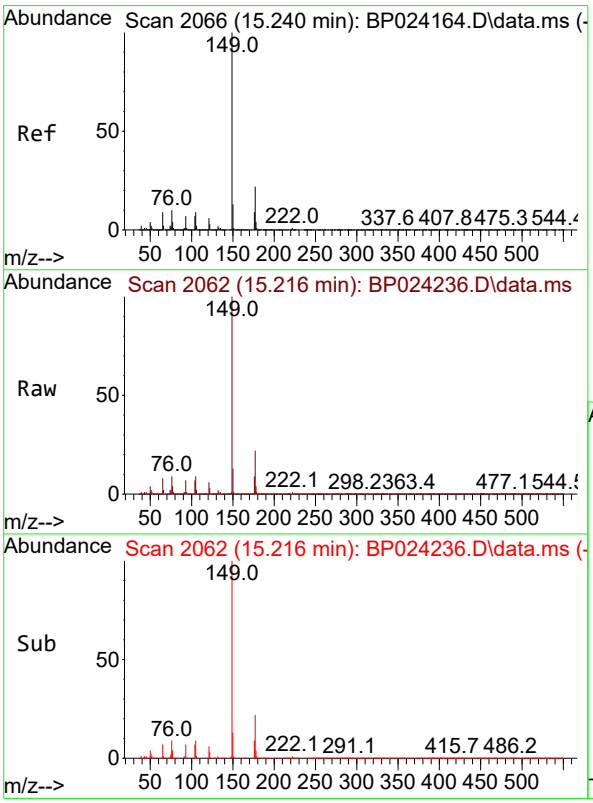
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.730 ng
RT: 15.010 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:232 Resp: 649836

Ion	Ratio	Lower	Upper
232	100		
131	46.1	35.9	53.9
130	2.3	1.8	2.6
166	31.6	24.2	36.2

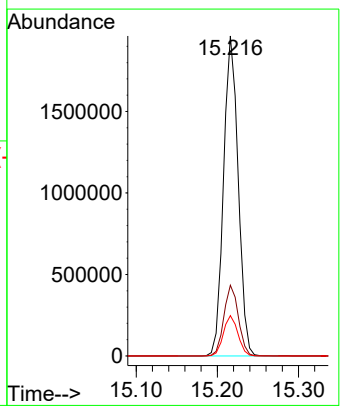


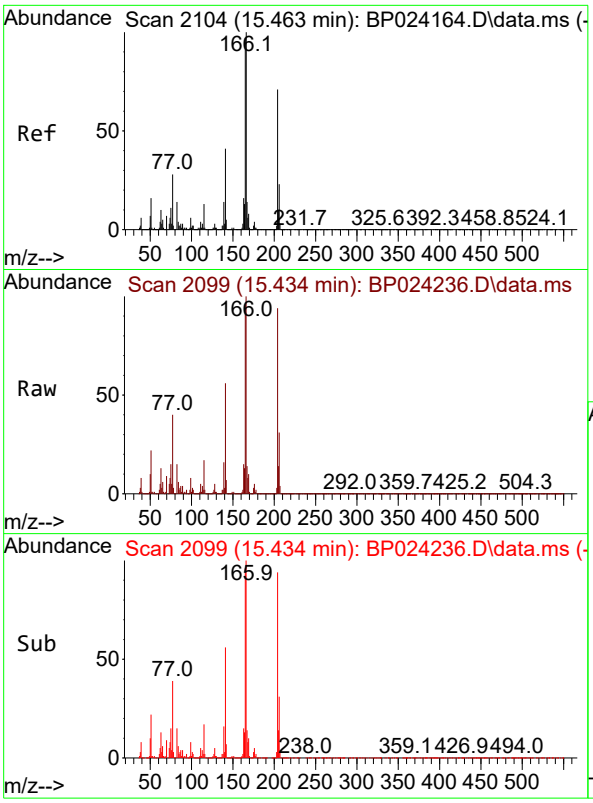


#60
Diethylphthalate
Concen: 51.030 ng
RT: 15.216 min Scan# 2062
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:149 Resp: 2461820

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.7	26.5
150	12.6	10.2	15.4



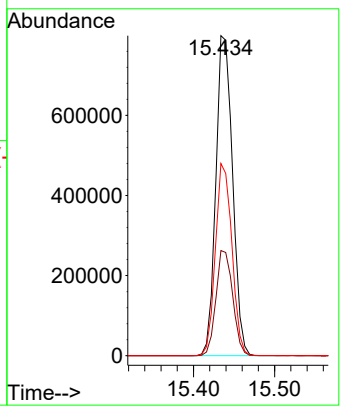


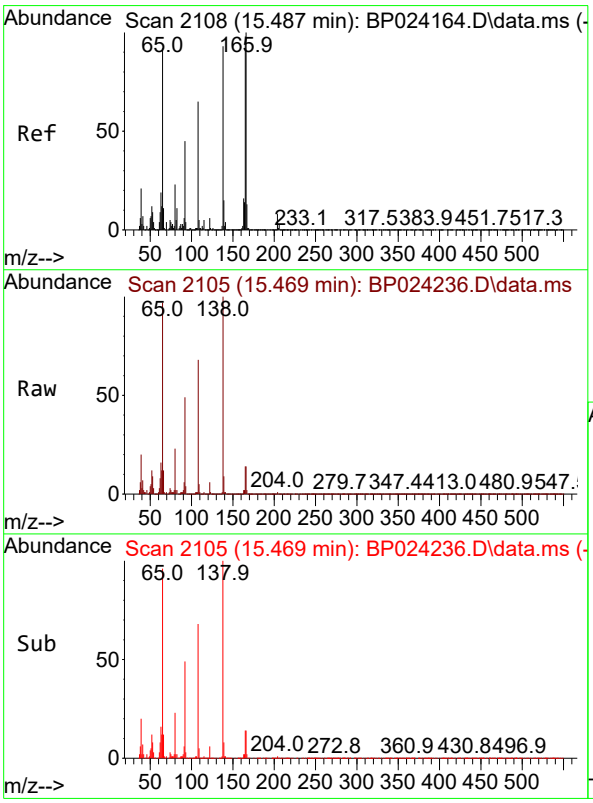
#61
4-Chlorophenyl-phenylether
Concen: 48.938 ng
RT: 15.434 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:204 Resp: 1146055

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	60.0	45.8	68.8

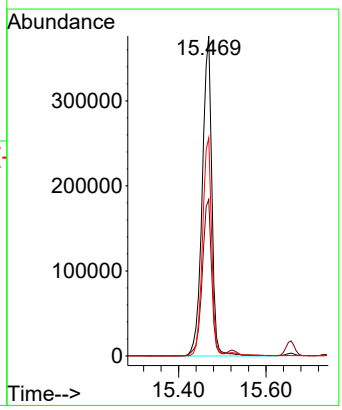


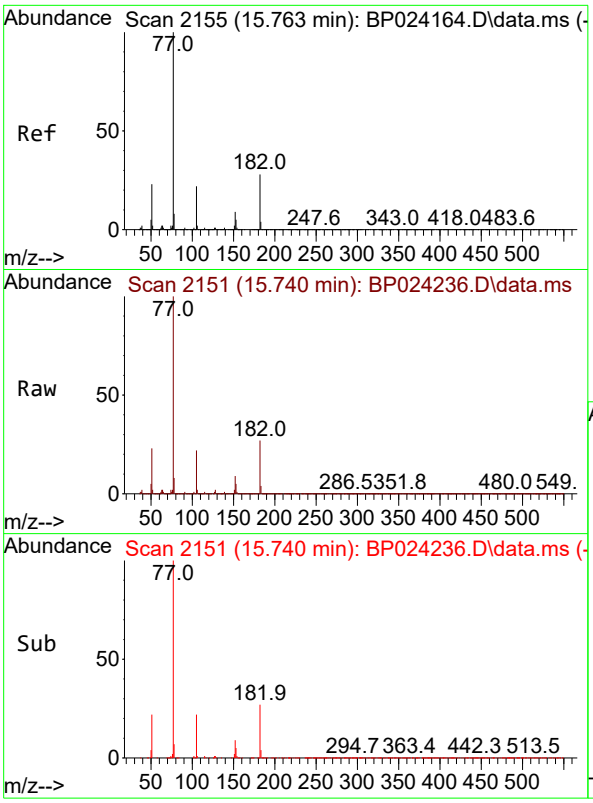


#62
4-Nitroaniline
Concen: 49.924 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:138 Resp: 576450

Ion	Ratio	Lower	Upper
138	100		
92	48.9	28.7	68.7
108	68.2	49.5	89.5



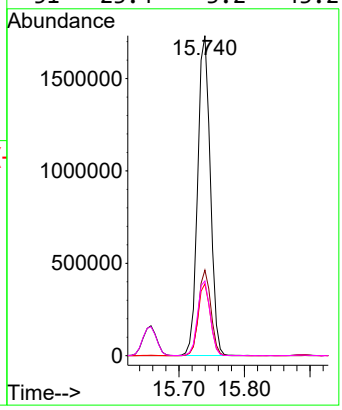


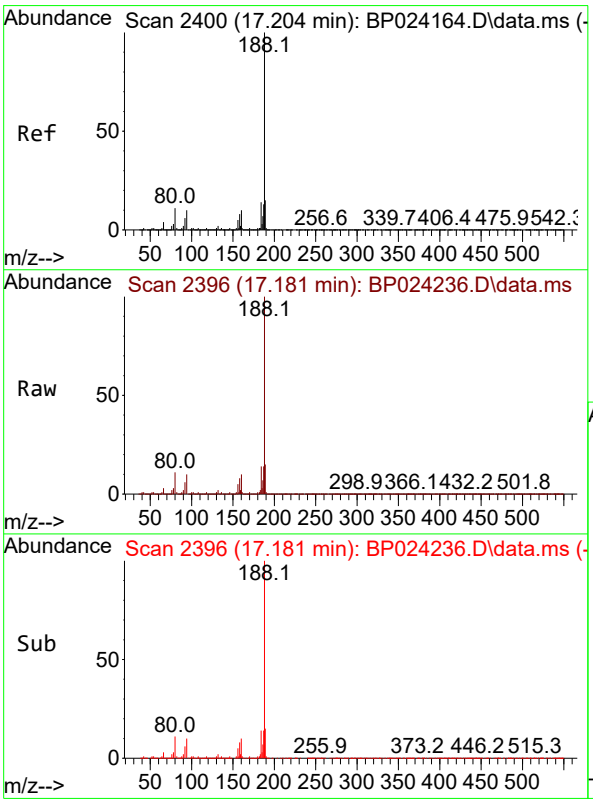
#63
Azobenzene
Concen: 50.990 ng
RT: 15.740 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion: 77 Resp: 2318516

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.7	47.7
105	22.4	2.3	42.3
51	23.4	3.2	43.2

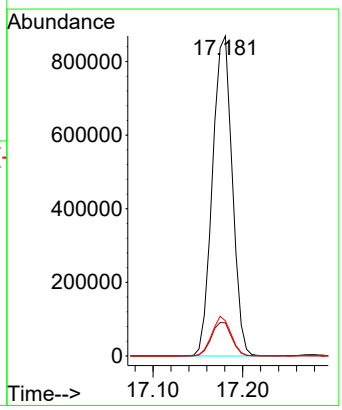


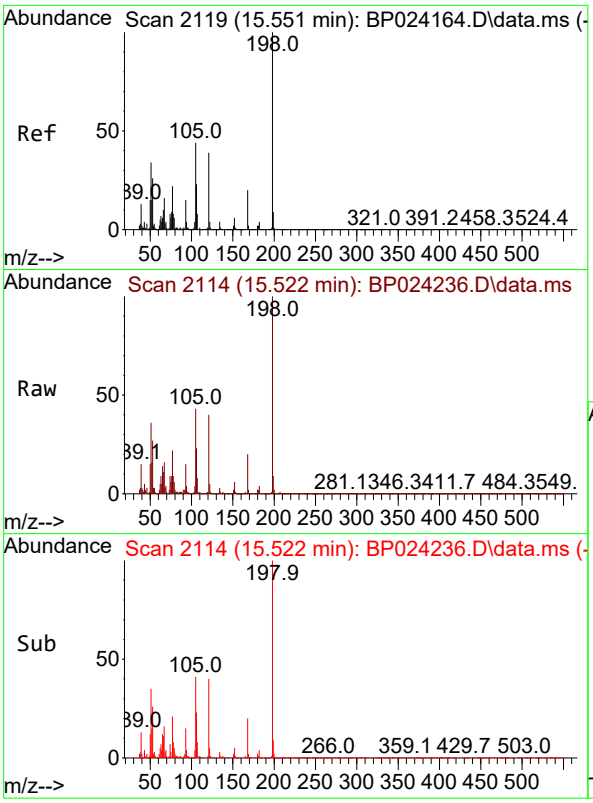


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:188 Resp: 1331246

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.1	12.1
80	11.0	8.9	13.3



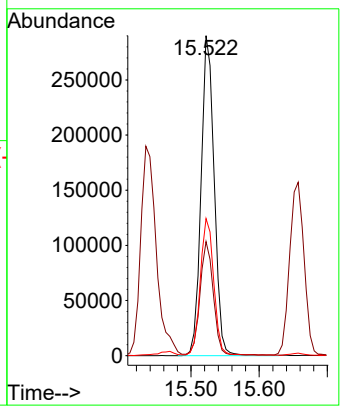


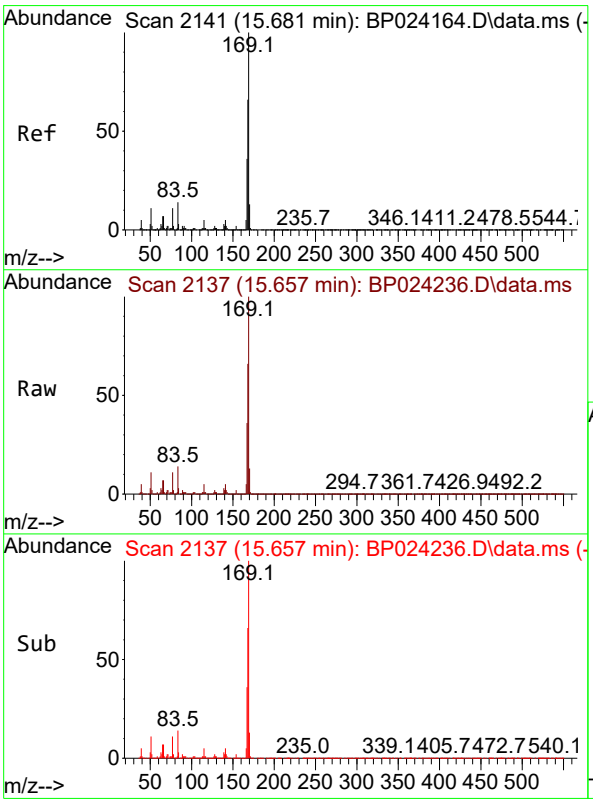
#65
4,6-Dinitro-2-methylphenol
Concen: 49.329 ng
RT: 15.522 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:198 Resp: 389853

Ion	Ratio	Lower	Upper
198	100		
51	35.6	14.7	54.7
105	42.8	23.8	63.8

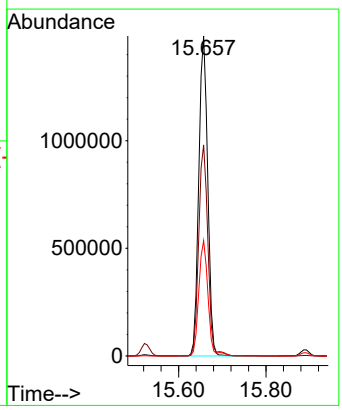


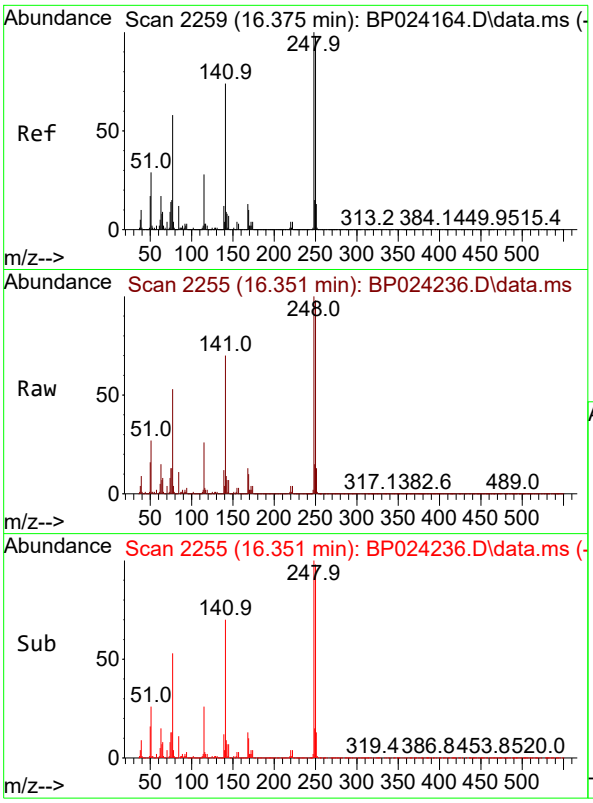


#66
n-Nitrosodiphenylamine
Concen: 52.300 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:169 Resp: 2114246

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.9	79.3
167	36.1	28.8	43.2



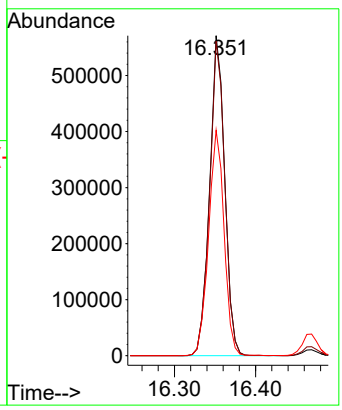


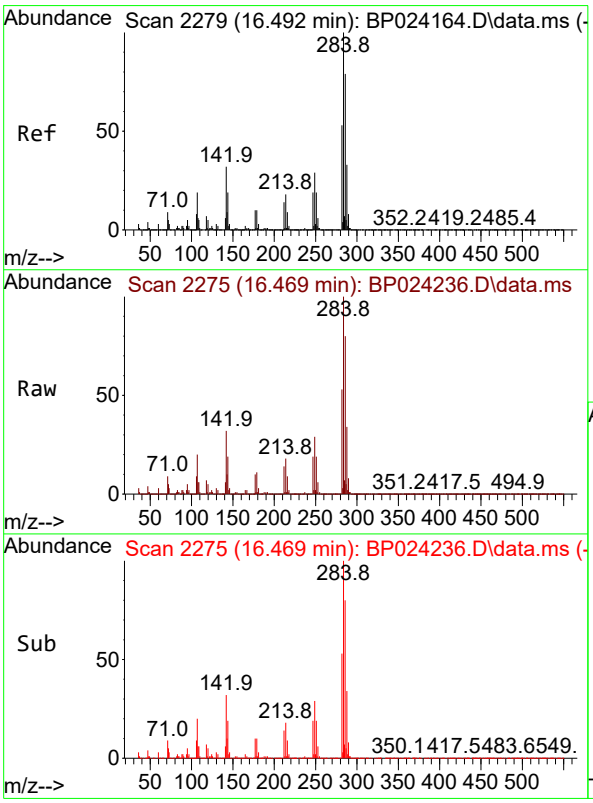
#67
4-Bromophenyl-phenylether
Concen: 50.501 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:248 Resp: 738122

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.4	117.6
141	70.4	59.4	89.0

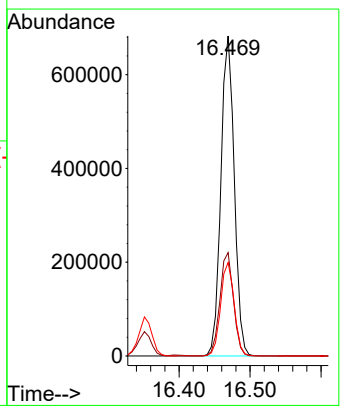


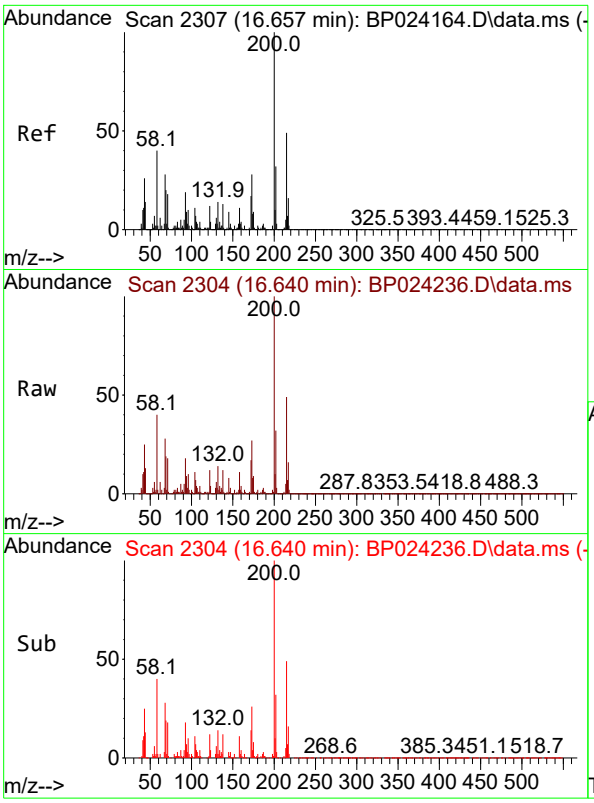


#68
Hexachlorobenzene
Concen: 51.342 ng
RT: 16.469 min Scan# 2275
Delta R.T. -0.024 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:284 Resp: 888185

Ion	Ratio	Lower	Upper
284	100		
142	32.3	25.4	38.2
249	29.2	23.5	35.3



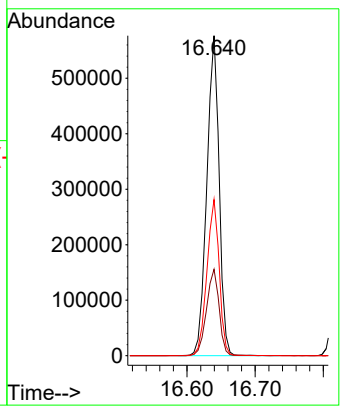


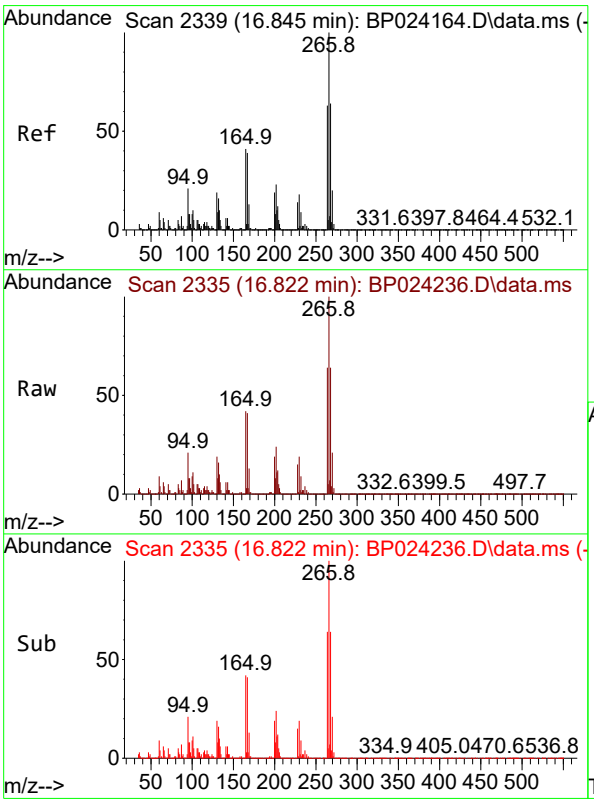
#69
Atrazine
Concen: 74.306 ng
RT: 16.640 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:200 Resp: 725036

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.6	47.6
215	48.8	29.0	69.0

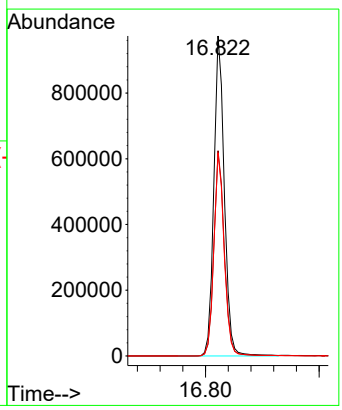


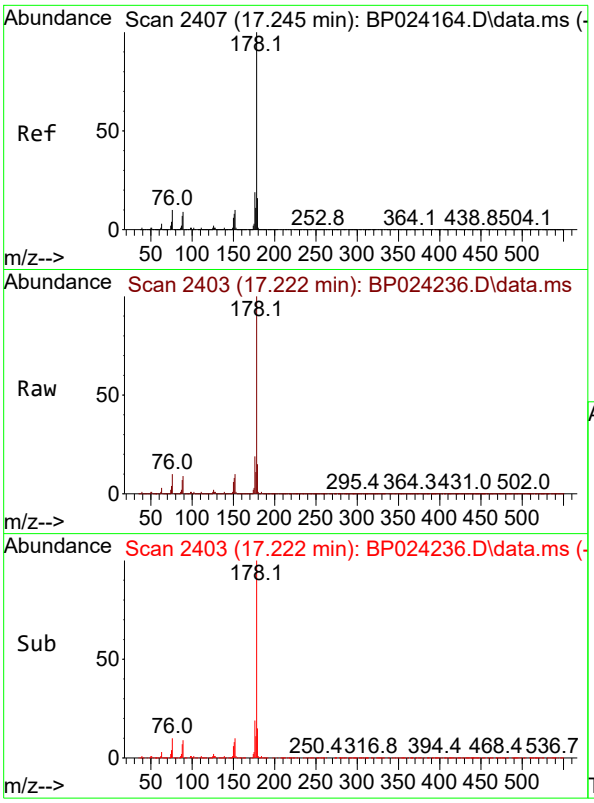


#70
Pentachlorophenol
Concen: 110.944 ng
RT: 16.822 min Scan# 2335
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:266 Resp: 1241155

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	63.5	50.6	76.0



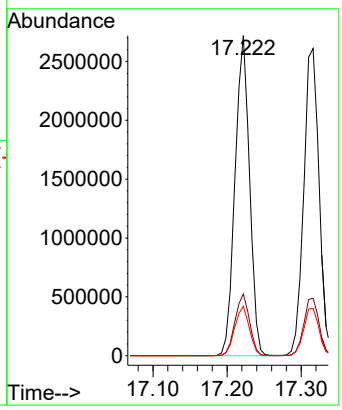


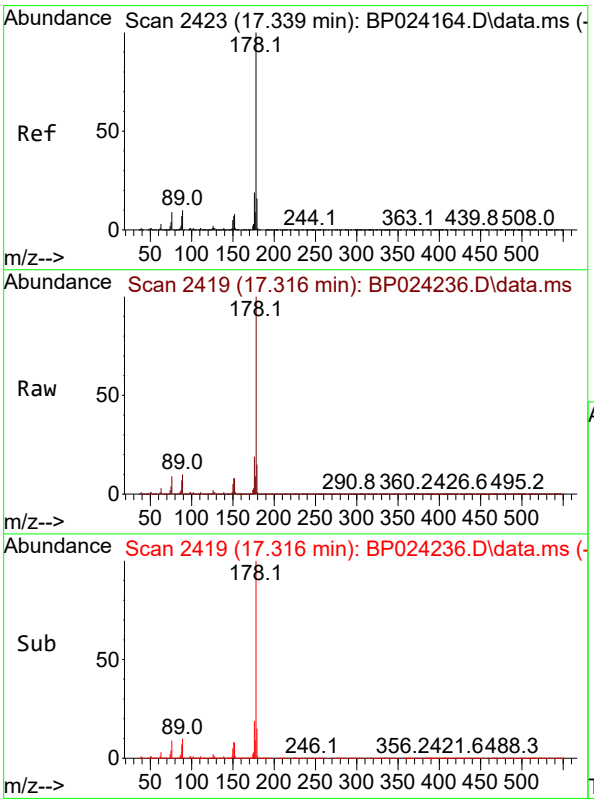
#71
Phenanthrene
Concen: 50.841 ng
RT: 17.222 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:178 Resp: 3697430

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.5	12.5	18.7

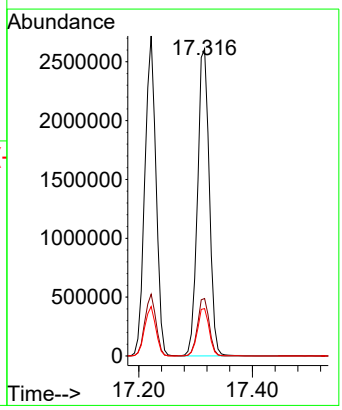


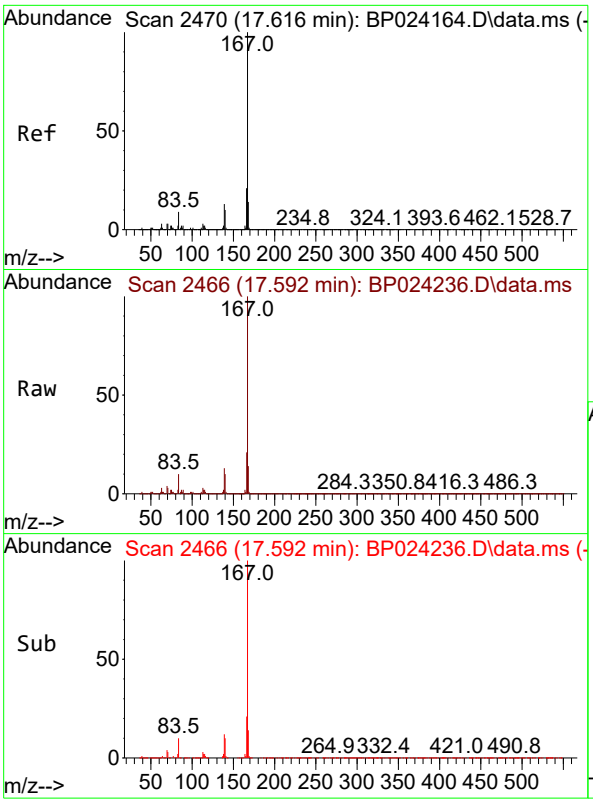


#72
Anthracene
Concen: 53.024 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:178 Resp: 3755803

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.4	12.6	18.8



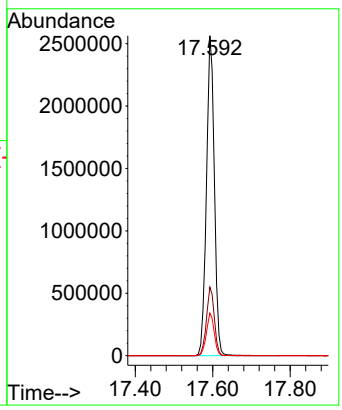


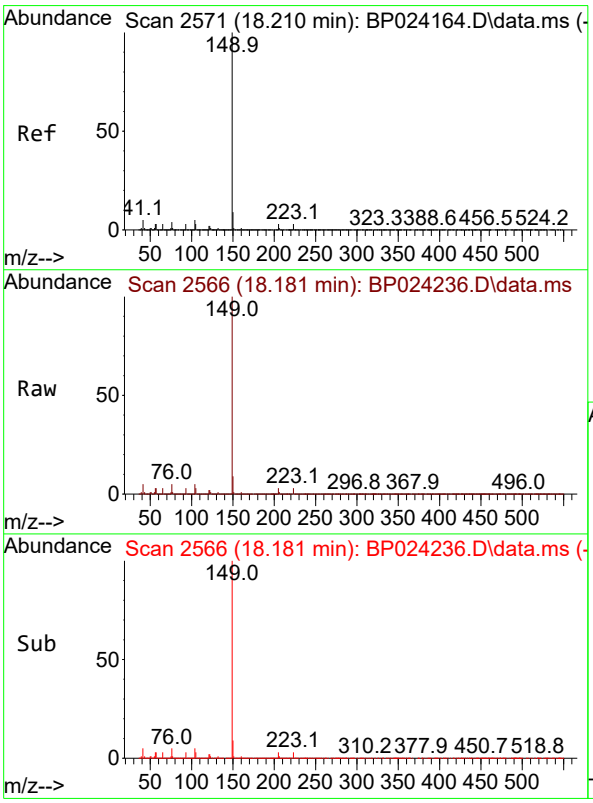
#73
Carbazole
Concen: 53.119 ng
RT: 17.592 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:167 Resp: 3628458

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.2	15.4

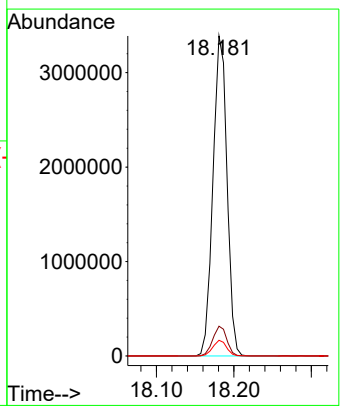


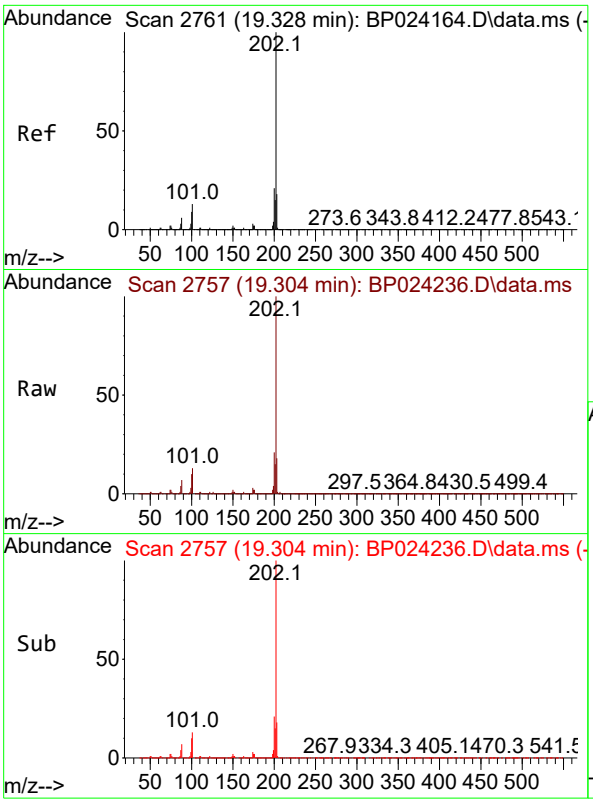


#74
Di-n-butylphthalate
Concen: 52.587 ng
RT: 18.181 min Scan# 2566
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:149 Resp: 4264277

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	4.9	3.9	5.9



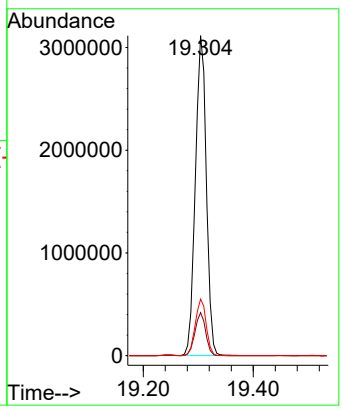


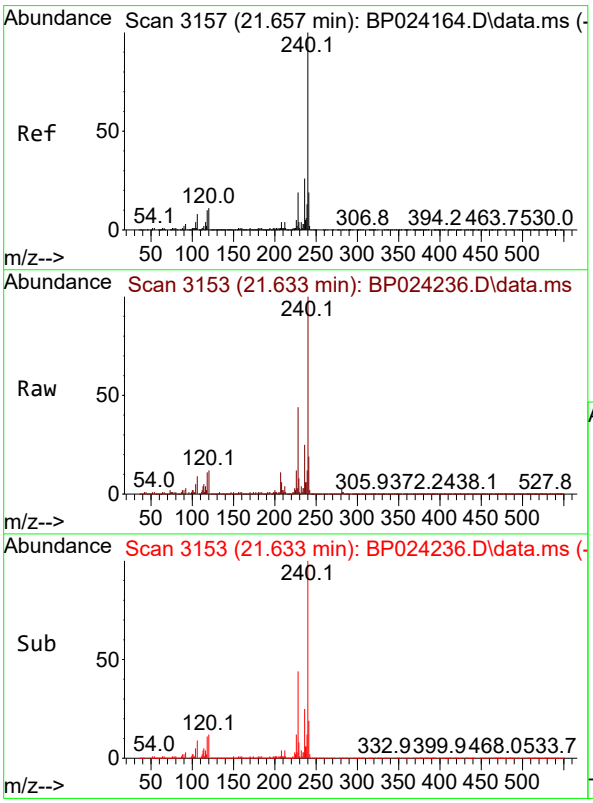
#75
Fluoranthene
Concen: 51.184 ng
RT: 19.304 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:202 Resp: 4311157

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.5
203	17.7	0.0	37.9

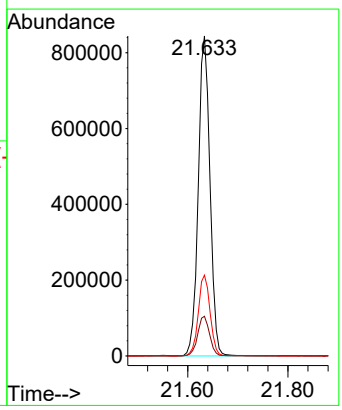


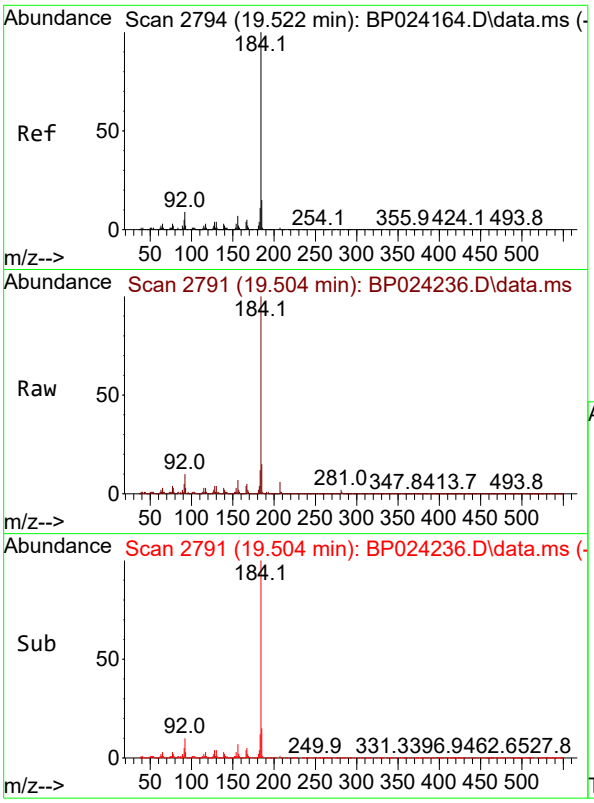


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3153
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:240 Resp: 1362100

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.2	13.8
236	25.3	20.4	30.6



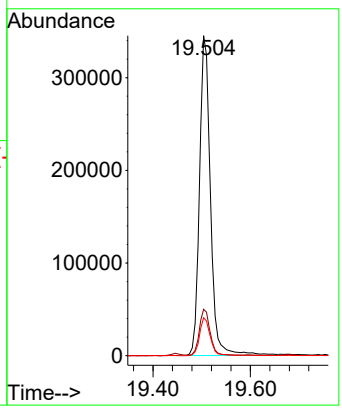


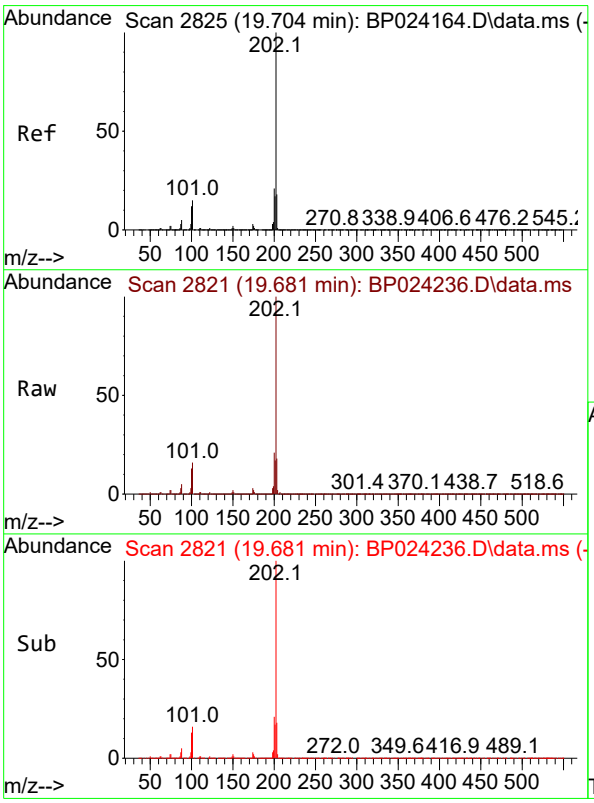
#77
Benzidine
Concen: 36.329 ng
RT: 19.504 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:184 Resp: 541027

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.9	9.1	13.7

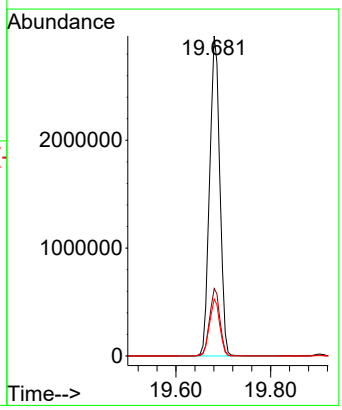


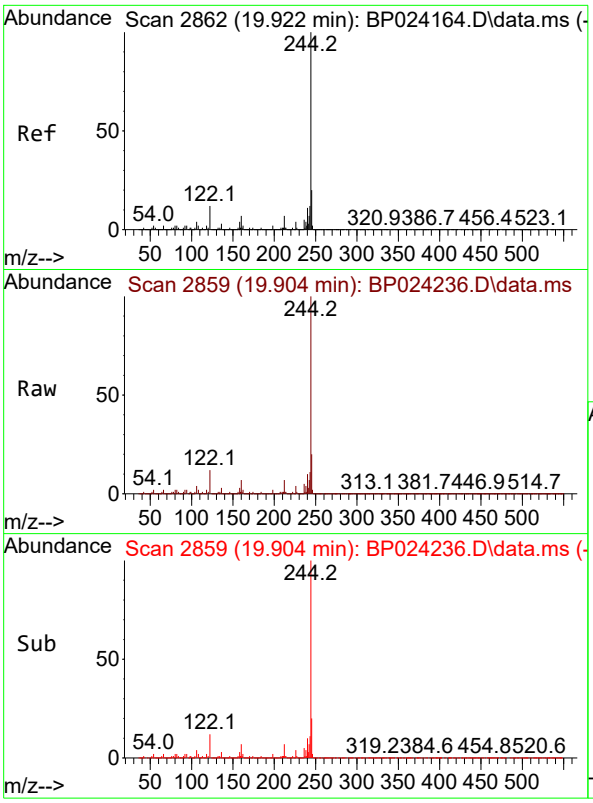


#78
Pyrene
Concen: 52.361 ng
RT: 19.681 min Scan# 2821
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:202 Resp: 4433975

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.8	14.2	21.4



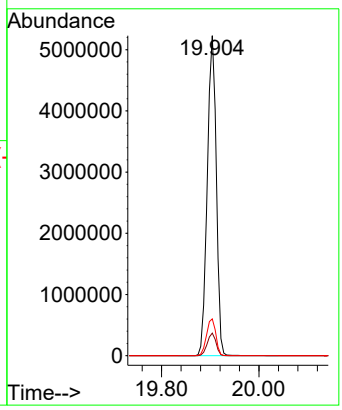


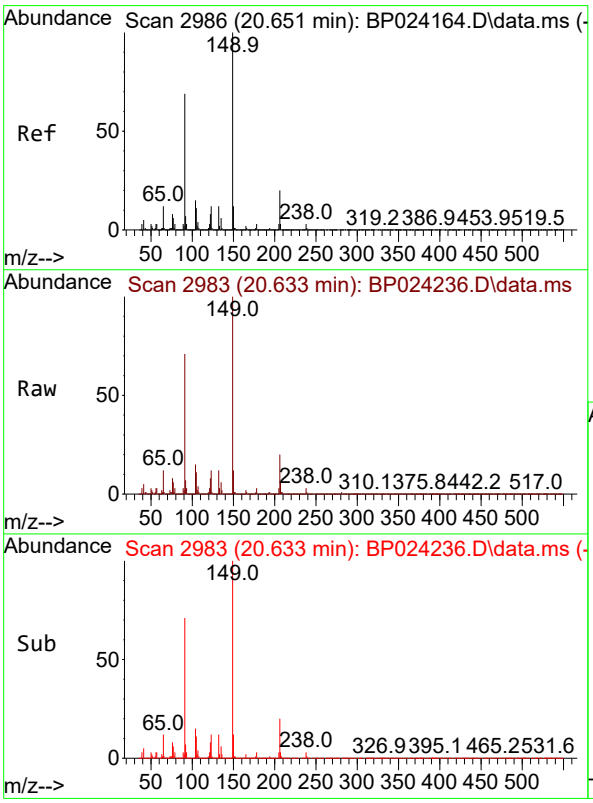
#79
Terphenyl-d14
Concen: 101.056 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:244 Resp: 6668256

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.5	9.6	14.4

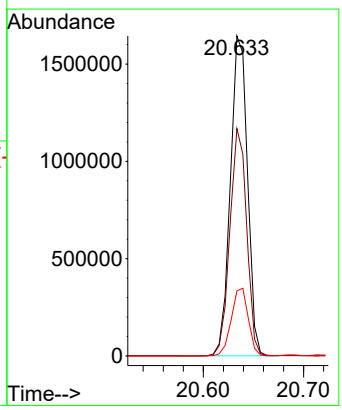


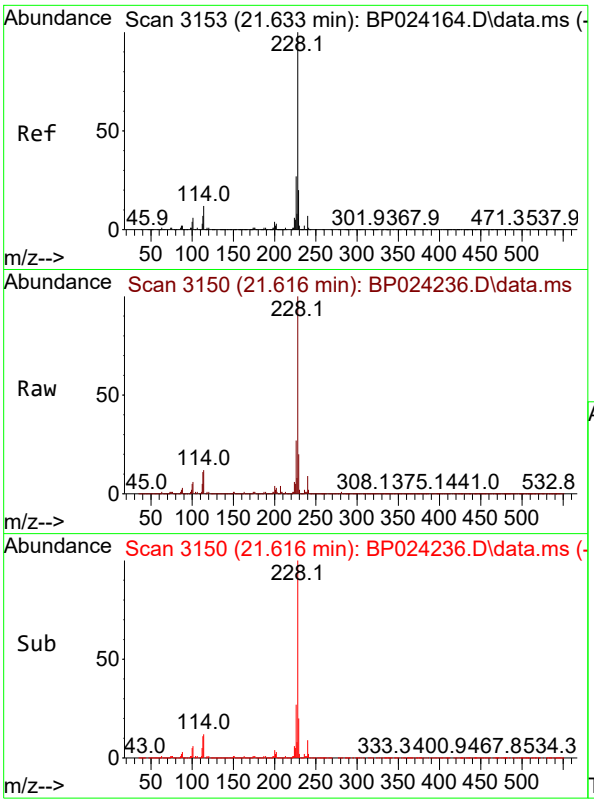


#80
Butylbenzylphthalate
Concen: 55.824 ng
RT: 20.633 min Scan# 2983
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:149 Resp: 1949408

Ion	Ratio	Lower	Upper
149	100		
91	71.0	55.3	82.9
206	20.3	16.1	24.1



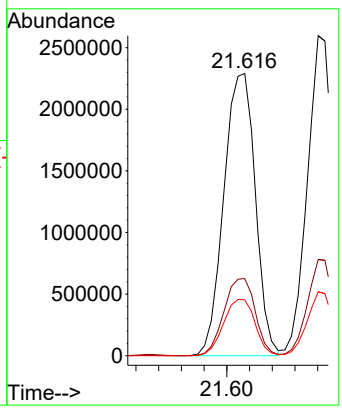


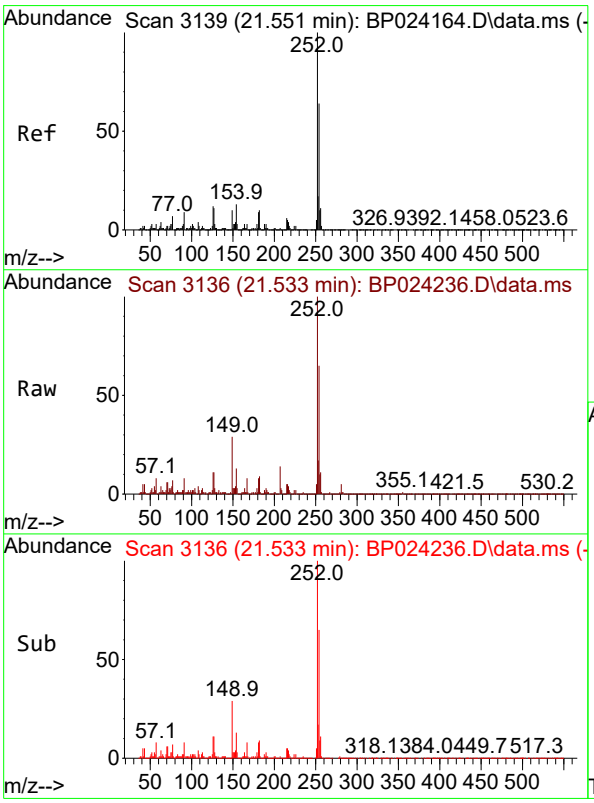
#81
Benzo(a)anthracene
Concen: 52.040 ng
RT: 21.616 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:228 Resp: 4407048

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.8	16.0	24.0

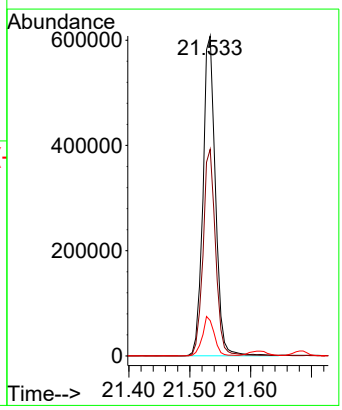


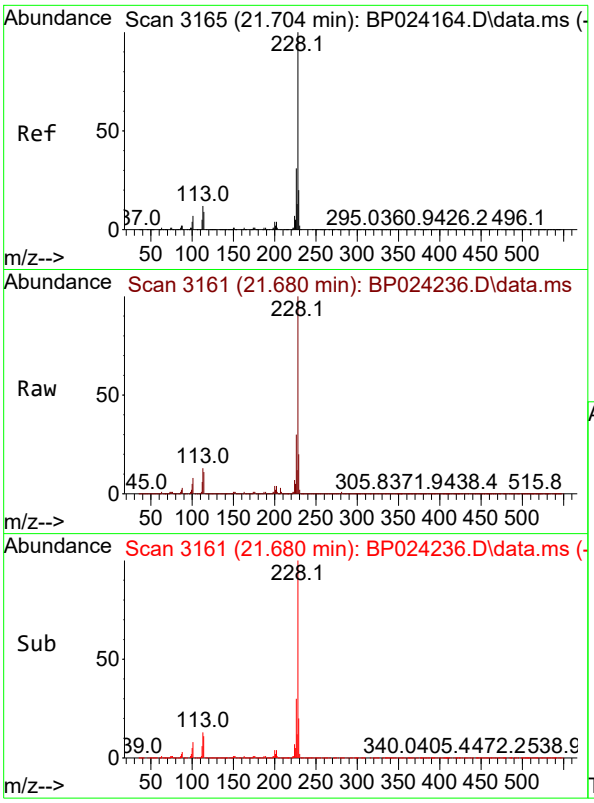


#82
3,3'-Dichlorobenzidine
Concen: 30.526 ng
RT: 21.533 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:252 Resp: 866402

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.2
126	11.1	9.3	13.9



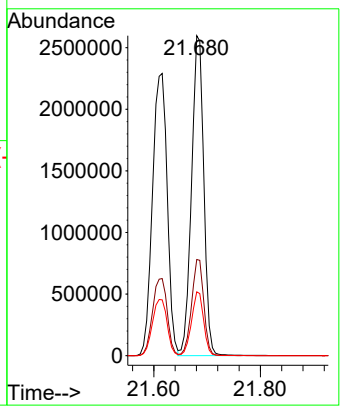


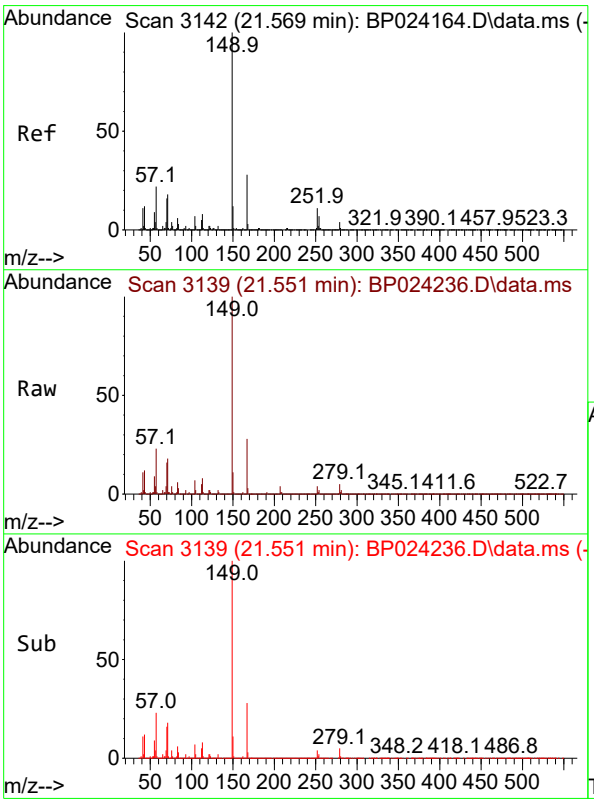
#83
Chrysene
Concen: 51.028 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:228 Resp: 4154155

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	20.0	16.2	24.2

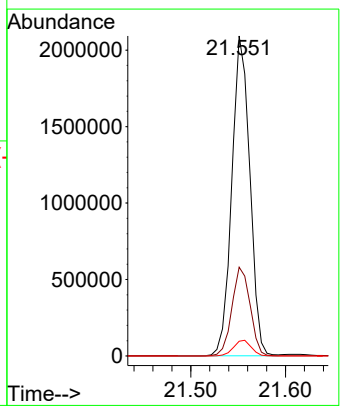


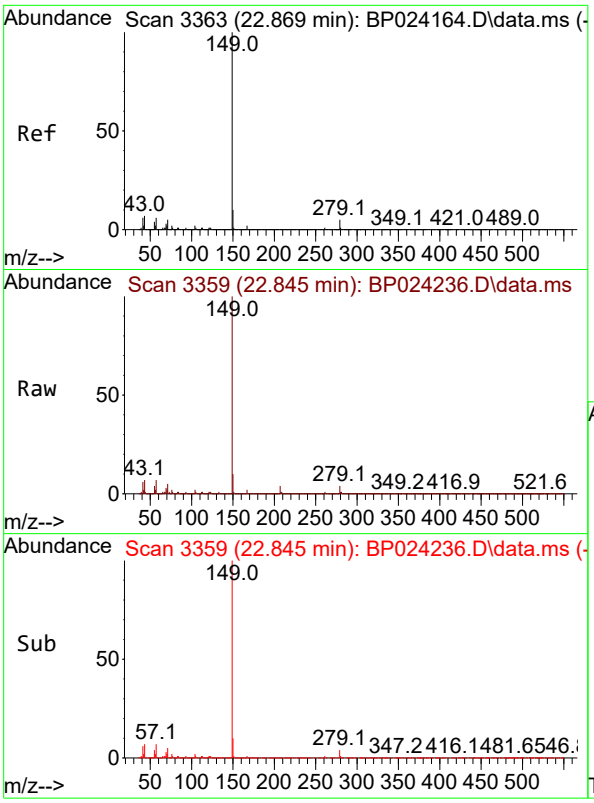


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.403 ng
RT: 21.551 min Scan# 3139
Delta R.T. -0.018 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:149 Resp: 2761242

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.6	3.6	5.4



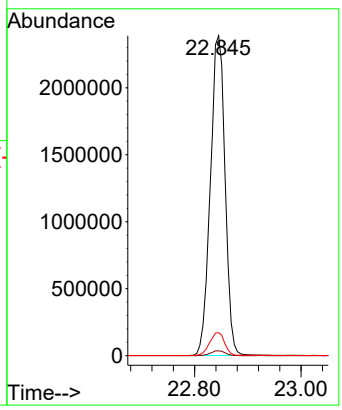


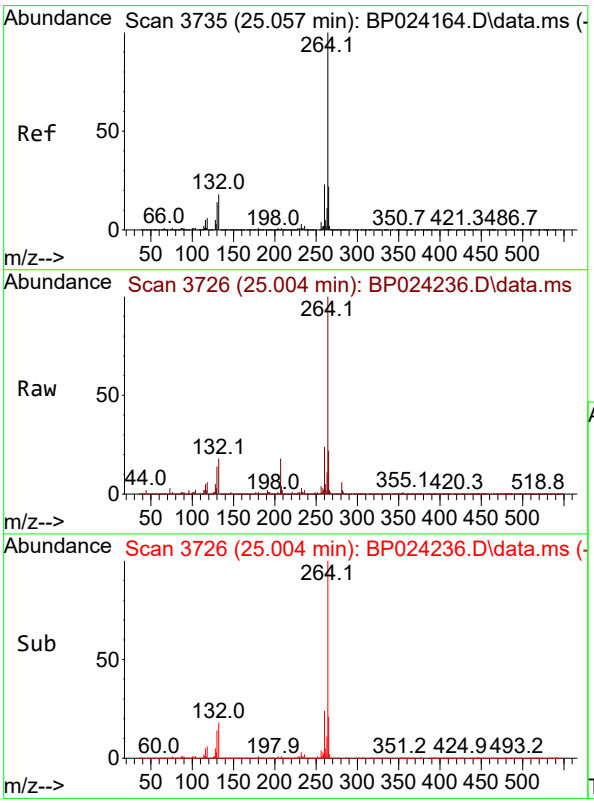
#85
Di-n-octyl phthalate
Concen: 54.249 ng
RT: 22.845 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:149 Resp: 4579940

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.3	5.8	8.8

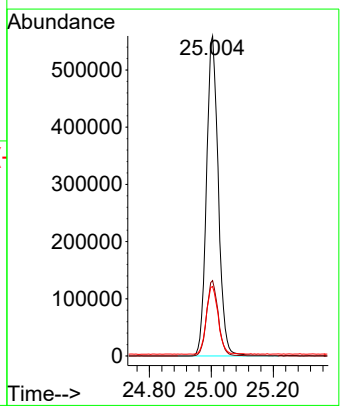


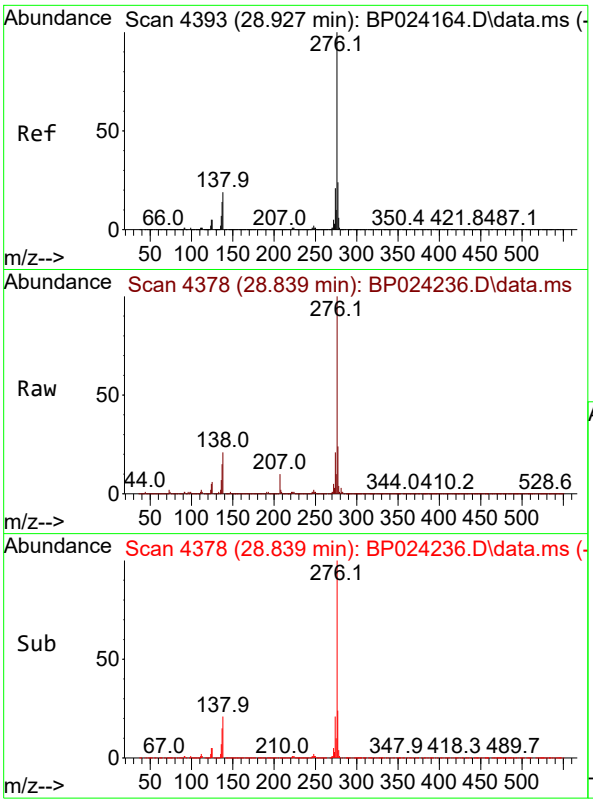


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:264 Resp: 1480737

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.7	17.7	26.5



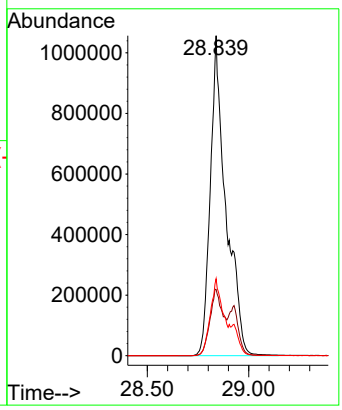


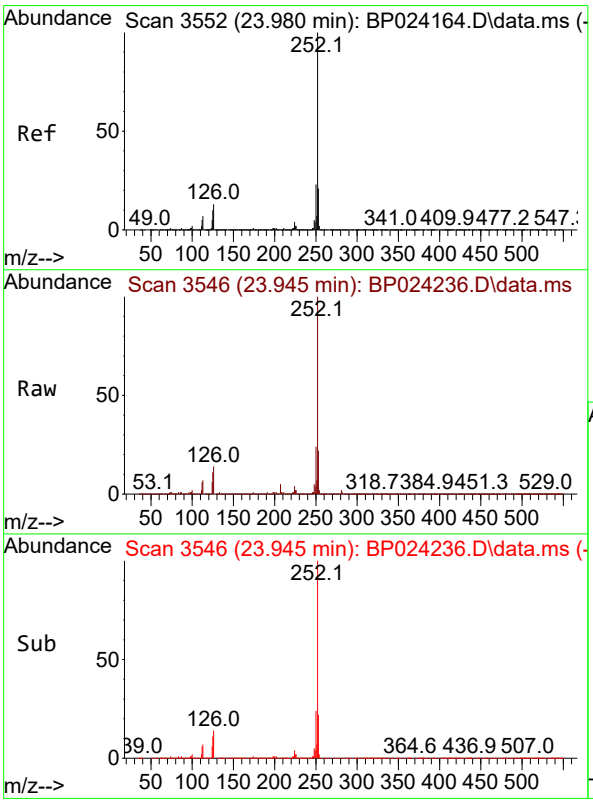
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.717 ng
RT: 28.839 min Scan# 4
Delta R.T. -0.088 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:276 Resp: 5654627

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.7	20.5
277	19.2	20.2	30.2#

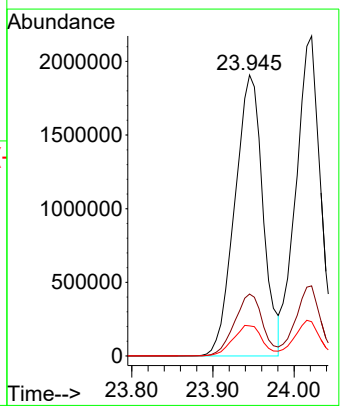


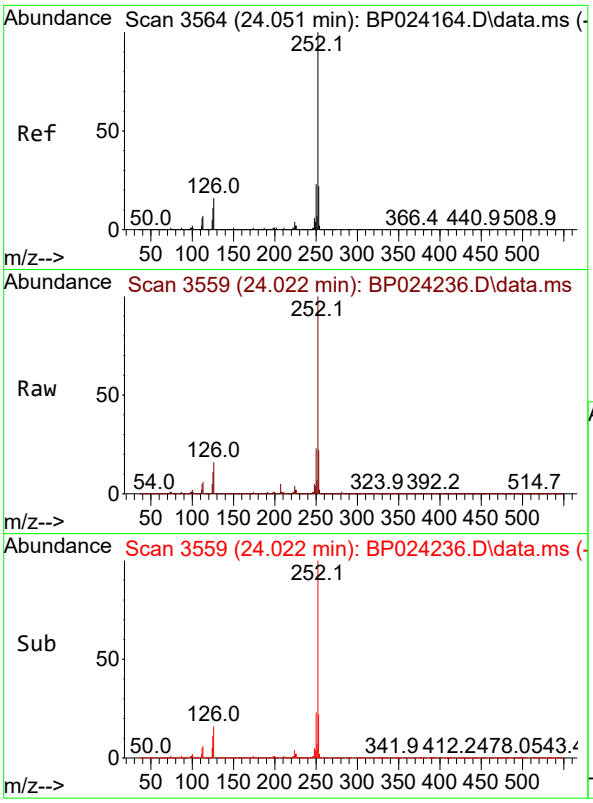


#88
Benzo(b)fluoranthene
Concen: 51.498 ng
RT: 23.945 min Scan# 3546
Delta R.T. -0.035 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:252 Resp: 4597713

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	10.7	8.2	12.4



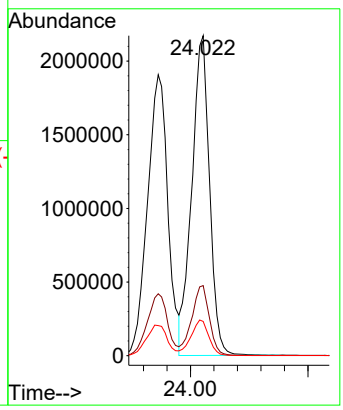


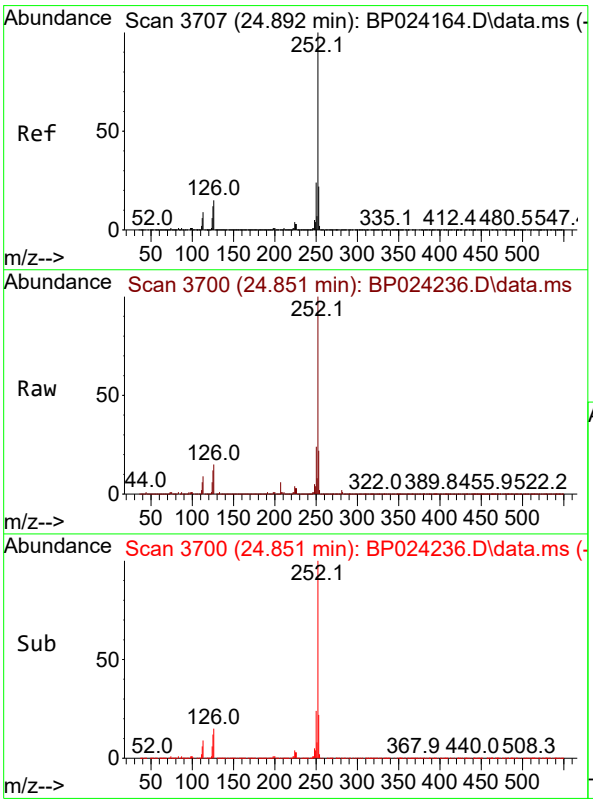
#89
Benzo(k)fluoranthene
Concen: 51.966 ng
RT: 24.022 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:252 Resp: 4538279

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	9.1	13.7

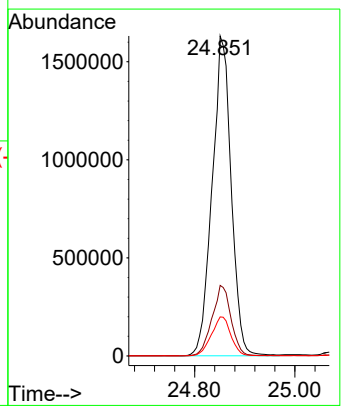


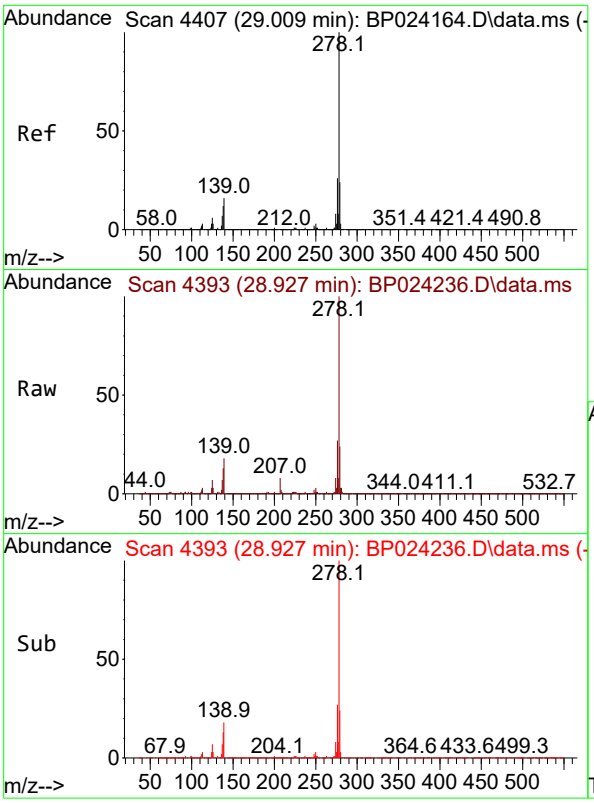


#90
Benzo(a)pyrene
Concen: 55.388 ng
RT: 24.851 min Scan# 3700
Delta R.T. -0.041 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:252 Resp: 4299996

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.2	9.6	14.4



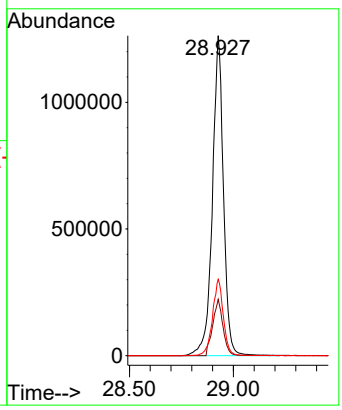


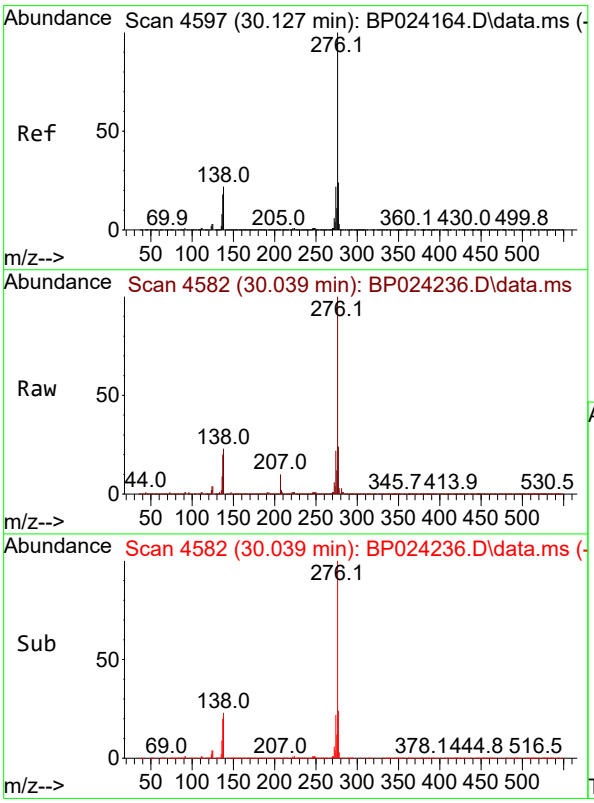
#91
Dibenzo(a,h)anthracene
Concen: 54.317 ng
RT: 28.927 min Scan# 4
Delta R.T. -0.082 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Instrument :
BNA_P
ClientSampleId :
Z-05AMSD

Tgt Ion:278 Resp: 4670019

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.0	19.4
279	23.8	18.8	28.2

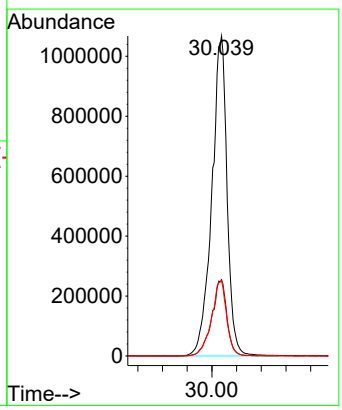




#92
Benzo(g,h,i)perylene
Concen: 52.298 ng
RT: 30.039 min Scan# 4582
Delta R.T. -0.088 min
Lab File: BP024236.D
Acq: 09 Apr 2025 15:39

Tgt Ion:276 Resp: 4570807

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	23.4	17.4	26.2



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

Manual Integration Report

Sequence:	BM040825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm041025	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1739-02	BM049887.D	Benzo(k)fluoranthene	anahy	4/11/2025 9:40:52 AM	Jagrut	4/11/2025 10:43:34 AM	Peak Integrated by Software

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

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

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

Manual Integration Report

Sequence:	BP040925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024228.D	Benzoic acid	anahy	4/10/2025 10:35:25 AM	Jagrut	4/10/2025 3:32:58 PM	Peak Integrated by Software
SSTDCCC040	BP024228.D	Indeno(1,2,3-cd)pyrene	anahy	4/10/2025 10:35:25 AM	Jagrut	4/10/2025 3:32:58 PM	Peak Integrated by Software
SSTDCCC040	BP024243.D	Benzo(g,h,i)perylene	anahy	4/10/2025 10:37:39 AM	Jagrut	4/10/2025 3:33:04 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp041025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	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

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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM				
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM				
SubDirectory	BM040825	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825

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	BM049875.D	10 Apr 2025 08:53	RC/JU	Ok
2	SSTDCCC040	BM049876.D	10 Apr 2025 09:32	RC/JU	Ok
3	PB167509BL	BM049877.D	10 Apr 2025 10:11	RC/JU	Ok
4	Q1753-01	BM049878.D	10 Apr 2025 10:54	RC/JU	Ok
5	Q1753-05	BM049879.D	10 Apr 2025 11:34	RC/JU	Ok
6	Q1753-05MS	BM049880.D	10 Apr 2025 12:13	RC/JU	Ok,M
7	Q1753-05MSD	BM049881.D	10 Apr 2025 12:52	RC/JU	Ok,M
8	Q1752-05	BM049882.D	10 Apr 2025 13:31	RC/JU	Ok
9	Q1752-07	BM049883.D	10 Apr 2025 14:10	RC/JU	Ok
10	Q1752-01	BM049884.D	10 Apr 2025 14:49	RC/JU	Ok
11	Q1752-03	BM049885.D	10 Apr 2025 15:28	RC/JU	Ok
12	Q1754-03	BM049886.D	10 Apr 2025 16:07	RC/JU	Ok,M
13	Q1739-02	BM049887.D	10 Apr 2025 16:46	RC/JU	Ok,M
14	Q1754-01	BM049888.D	10 Apr 2025 17:25	RC/JU	Ok,M
15	Q1749-01	BM049889.D	10 Apr 2025 18:04	RC/JU	Ok
16	Q1748-05	BM049890.D	10 Apr 2025 18:44	RC/JU	Ok
17	Q1748-01	BM049891.D	10 Apr 2025 19:23	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	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

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 # BP040925

Review By	anahy	Review On	4/10/2025 10:38:27 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:16 PM		
SubDirectory	BP040925	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	BP024227.D	09 Apr 2025 08:42	RC/JU	Ok
2	SSTDCCC040	BP024228.D	09 Apr 2025 10:08	RC/JU	Ok,M
3	PB167467TB	BP024229.D	09 Apr 2025 10:49	RC/JU	Ok
4	PB167474BS	BP024230.D	09 Apr 2025 11:29	RC/JU	Not Ok
5	Q1730-01MS	BP024231.D	09 Apr 2025 12:15	RC/JU	Ok
6	Q1730-01MSD	BP024232.D	09 Apr 2025 12:56	RC/JU	Ok
7	Q1737-02	BP024233.D	09 Apr 2025 13:37	RC/JU	Ok
8	Q1712-04	BP024234.D	09 Apr 2025 14:18	RC/JU	Ok
9	Q1712-04MS	BP024235.D	09 Apr 2025 14:59	RC/JU	Ok
10	Q1712-04MSD	BP024236.D	09 Apr 2025 15:39	RC/JU	Ok
11	Q1712-08	BP024237.D	09 Apr 2025 16:20	RC/JU	Ok
12	Q1732-04	BP024238.D	09 Apr 2025 17:01	RC/JU	Ok
13	Q1746-07	BP024239.D	09 Apr 2025 17:41	RC/JU	Ok
14	Q1746-01	BP024240.D	09 Apr 2025 18:22	RC/JU	Ok
15	Q1747-01	BP024241.D	09 Apr 2025 19:03	RC/JU	Ok
16	Q1745-01	BP024242.D	09 Apr 2025 19:43	RC/JU	Ok,M
17	SSTDCCC040	BP024243.D	09 Apr 2025 20:24	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041025

Review By	anahy	Review On	4/11/2025 10:19:20 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:46 AM		
SubDirectory	BP041025	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	BP024244.D	10 Apr 2025 09:05	RC/JU	Ok
2	SSTDCCC040	BP024245.D	10 Apr 2025 09:46	RC/JU	Ok
3	PB167518BL	BP024246.D	10 Apr 2025 10:27	RC/JU	Ok
4	PB167537TB	BP024247.D	10 Apr 2025 11:08	RC/JU	Ok
5	Q1745-04	BP024248.D	10 Apr 2025 11:54	RC/JU	Ok
6	Q1745-12	BP024249.D	10 Apr 2025 12:35	RC/JU	Ok
7	Q1740-04	BP024250.D	10 Apr 2025 13:15	RC/JU	Ok
8	Q1743-04	BP024251.D	10 Apr 2025 13:56	RC/JU	Ok
9	Q1746-05	BP024252.D	10 Apr 2025 14:36	RC/JU	Ok
10	Q1746-06	BP024253.D	10 Apr 2025 15:17	RC/JU	Ok,M
11	Q1748-04	BP024254.D	10 Apr 2025 17:08	RC/JU	Ok
12	Q1748-08	BP024255.D	10 Apr 2025 17:49	RC/JU	Ok
13	Q1754-02	BP024256.D	10 Apr 2025 18:30	RC/JU	Ok
14	Q1754-04	BP024257.D	10 Apr 2025 19:10	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	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 # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM				
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM				
SubDirectory	BP041425	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/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	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041025

Review By	anahy	Review On	4/11/2025 10:19:37 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:07 AM		
SubDirectory	BM041025	HP Acquire Method	BNA_M	HP Processing Method	bm040825

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	BM049875.D	10 Apr 2025 08:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049876.D	10 Apr 2025 09:32		RC/JU	Ok
3	PB167509BL	PB167509BL	BM049877.D	10 Apr 2025 10:11		RC/JU	Ok
4	Q1753-01	WC-1	BM049878.D	10 Apr 2025 10:54		RC/JU	Ok
5	Q1753-05	WC-2	BM049879.D	10 Apr 2025 11:34		RC/JU	Ok
6	Q1753-05MS	WC-2MS	BM049880.D	10 Apr 2025 12:13		RC/JU	Ok,M
7	Q1753-05MSD	WC-2MSD	BM049881.D	10 Apr 2025 12:52		RC/JU	Ok,M
8	Q1752-05	TP-4	BM049882.D	10 Apr 2025 13:31		RC/JU	Ok
9	Q1752-07	TP-3	BM049883.D	10 Apr 2025 14:10		RC/JU	Ok
10	Q1752-01	TP-1	BM049884.D	10 Apr 2025 14:49		RC/JU	Ok
11	Q1752-03	TP-2	BM049885.D	10 Apr 2025 15:28		RC/JU	Ok
12	Q1754-03	TP-1-CONCRETE	BM049886.D	10 Apr 2025 16:07		RC/JU	Ok,M
13	Q1739-02	WC-LIQUID-20250404	BM049887.D	10 Apr 2025 16:46		RC/JU	Ok,M
14	Q1754-01	TP-1	BM049888.D	10 Apr 2025 17:25		RC/JU	Ok,M
15	Q1749-01	TP-14	BM049889.D	10 Apr 2025 18:04		RC/JU	Ok
16	Q1748-05	IB-2A-WC	BM049890.D	10 Apr 2025 18:44		RC/JU	Ok
17	Q1748-01	IB-1.5-WC	BM049891.D	10 Apr 2025 19:23		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 # BP040925

Review By	anahy	Review On	4/10/2025 10:38:27 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:16 PM		
SubDirectory	BP040925	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	BP024227.D	09 Apr 2025 08:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024228.D	09 Apr 2025 10:08		RC/JU	Ok,M
3	PB167467TB	PB167467TB	BP024229.D	09 Apr 2025 10:49		RC/JU	Ok
4	PB167474BS	PB167474BS	BP024230.D	09 Apr 2025 11:29	not used.	RC/JU	Not Ok
5	Q1730-01MS	OU4-VSL-15-040325MS	BP024231.D	09 Apr 2025 12:15		RC/JU	Ok
6	Q1730-01MSD	OU4-VSL-15-040325MS	BP024232.D	09 Apr 2025 12:56		RC/JU	Ok
7	Q1737-02	RT3069	BP024233.D	09 Apr 2025 13:37		RC/JU	Ok
8	Q1712-04	Z-05A	BP024234.D	09 Apr 2025 14:18		RC/JU	Ok
9	Q1712-04MS	Z-05AMS	BP024235.D	09 Apr 2025 14:59		RC/JU	Ok
10	Q1712-04MSD	Z-05AMSD	BP024236.D	09 Apr 2025 15:39		RC/JU	Ok
11	Q1712-08	TT-7	BP024237.D	09 Apr 2025 16:20		RC/JU	Ok
12	Q1732-04	TT-8	BP024238.D	09 Apr 2025 17:01		RC/JU	Ok
13	Q1746-07	EB-2025-4-7	BP024239.D	09 Apr 2025 17:41		RC/JU	Ok
14	Q1746-01	B-149-SB01	BP024240.D	09 Apr 2025 18:22		RC/JU	Ok
15	Q1747-01	ARS20-0008	BP024241.D	09 Apr 2025 19:03		RC/JU	Ok
16	Q1745-01	IB-6A-WC	BP024242.D	09 Apr 2025 19:43		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BP024243.D	09 Apr 2025 20:24		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041025

Review By	anahy	Review On	4/11/2025 10:19:20 AM		
Supervise By	Jagrut	Supervise On	4/11/2025 10:44:46 AM		
SubDirectory	BP041025	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	BP024244.D	10 Apr 2025 09:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024245.D	10 Apr 2025 09:46		RC/JU	Ok
3	PB167518BL	PB167518BL	BP024246.D	10 Apr 2025 10:27		RC/JU	Ok
4	PB167537TB	PB167537TB	BP024247.D	10 Apr 2025 11:08		RC/JU	Ok
5	Q1745-04	IB-6A-WC	BP024248.D	10 Apr 2025 11:54		RC/JU	Ok
6	Q1745-12	IB-6.5-WC	BP024249.D	10 Apr 2025 12:35		RC/JU	Ok
7	Q1740-04	TP-20	BP024250.D	10 Apr 2025 13:15		RC/JU	Ok
8	Q1743-04	TP-16	BP024251.D	10 Apr 2025 13:56		RC/JU	Ok
9	Q1746-05	B-158-GW01	BP024252.D	10 Apr 2025 14:36		RC/JU	Ok
10	Q1746-06	B-149-GW01	BP024253.D	10 Apr 2025 15:17		RC/JU	Ok,M
11	Q1748-04	IB-1.5-WC	BP024254.D	10 Apr 2025 17:08		RC/JU	Ok
12	Q1748-08	IB-2A-WC	BP024255.D	10 Apr 2025 17:49		RC/JU	Ok
13	Q1754-02	TP-1	BP024256.D	10 Apr 2025 18:30		RC/JU	Ok
14	Q1754-04	TP-1-CONCRETE	BP024257.D	10 Apr 2025 19:10		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_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

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 # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167488

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : N/A

Filter By : JP

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : 115525

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : 70 ~~N/A~~

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature : SC

Supervisor By : 12

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
N/A	N/A	N/A
N/A	N/A	N/A
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. q1739-02 is used for ms-msd.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/07/25 12:30	SC / TCLP Room	5123. RJ / EA
	Preparation Group	Analysis Group Metals

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

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167488TB	LEB488	N/A	N/A	N/A	N/A	N/A	N/A
Q1739-02	WC-LIQUID-20250404	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP W Q1739 **WorkList ID :** 188772 **Department :** TCLP Extraction **Date :** 04-07-2025 11:25:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1739-02	WC-LIQUID-20250404	Water	TCLP Extraction	Cool 4 deg C	PARS02	L31	04/04/2025	1311

Date/Time 04/07/25 11:35

Raw Sample Received by: JB WDC

Raw Sample Relinquished by: CR SM

Date/Time 04/07/25 1330

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JB WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167518

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/08/2025
Matrix :	Water			**Extraction Start Time :**	08:25
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	04/08/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	4,6,7	**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. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RP (Ext Lab)	AC/SVOC
13:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167518

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167467TB	PB167467TB	TCLP BNA	100	6	ritesh	rajesh	1			SEP-01
PB167488TB	PB167488TB	TCLP BNA	100	6	ritesh	rajesh	1			2
PB167518BL	PB167518BL	TCLP BNA	1000	6	ritesh	rajesh	1			3
PB167518BS	PB167518BS	TCLP BNA	1000	6	ritesh	rajesh	1			4
Q1712-04	Z-05A	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1712-04MS	Z-05AMS	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1712-04MSD	Z-05AMSD	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1712-08	TT-7	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1732-04	TT-8	TCLP BNA	100	6	ritesh	rajesh	1	A		9
Q1737-02	RT3069	TCLP BNA	100	6	ritesh	rajesh	1	A		10
Q1739-02	WC-LIQUID-20250404	TCLP BNA	100	6	ritesh	rajesh	1	A		11

* **Extracts relinquished on the same date as received.**

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	Pre 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

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

04/04/25
11:00

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

Prep Standard - Chemical Standard Summary

Order ID : Q1739

Test : TCLP BNA

Prepbatch ID : PB167518,

Sequence ID/Qc Batch ID: BM041025,BP040925,bp041025,bp041125,BP041425,

Standard ID :
EP2559,EP2565,EP2599,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

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,S12534,S12577,S12649,S12658,S12659,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	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

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	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

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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	Yogesh Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	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

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	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 / Rajesh	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	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 / william	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	10/14/2025	04/14/2025 / Rahul	09/20/2024 / anahy	S12659

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

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-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.

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

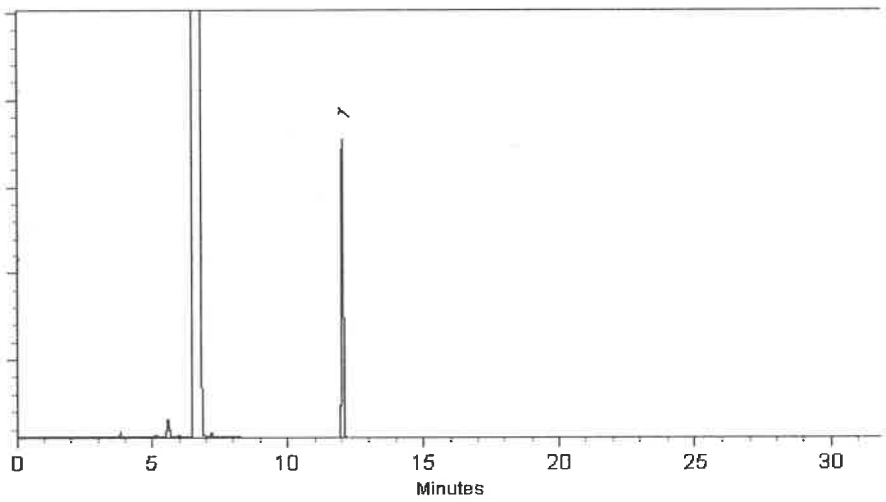
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the 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 RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

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

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

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

avantor™ | J.T.Baker®

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

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: Thomas C Tipton

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.)

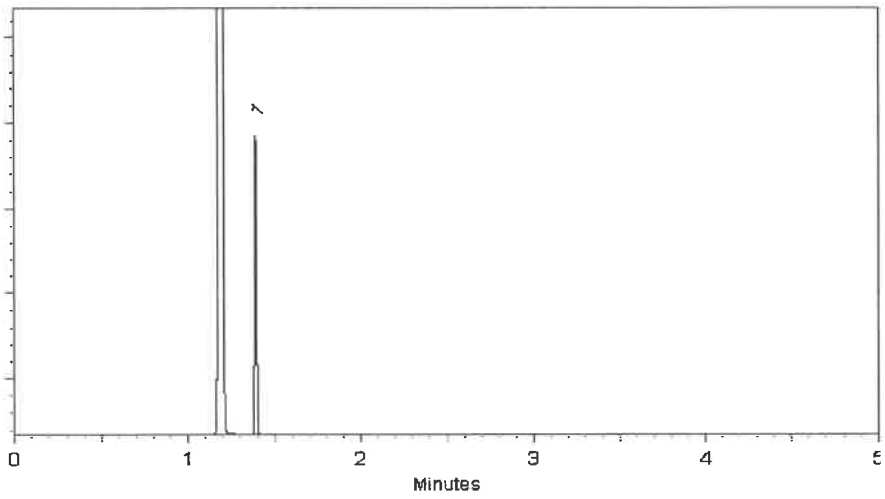
Inj. Temp:
250°C

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.
- 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-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.

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.:** 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

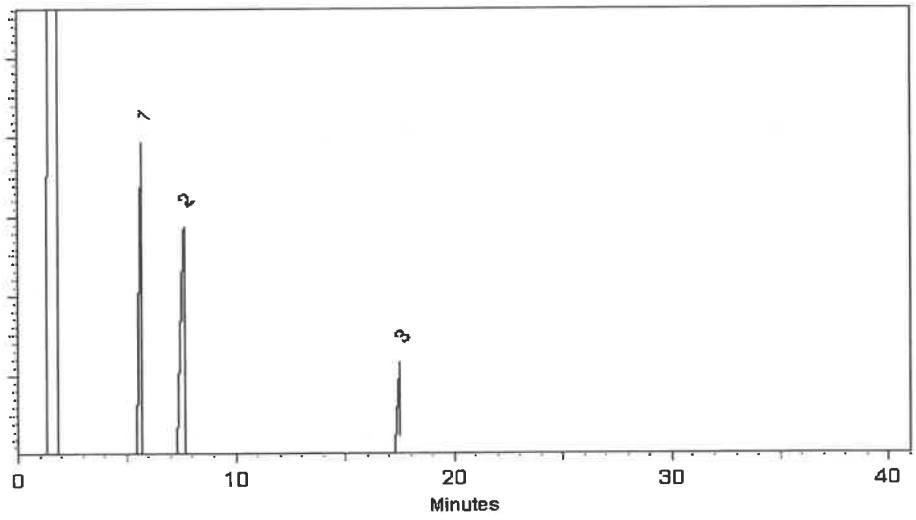
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

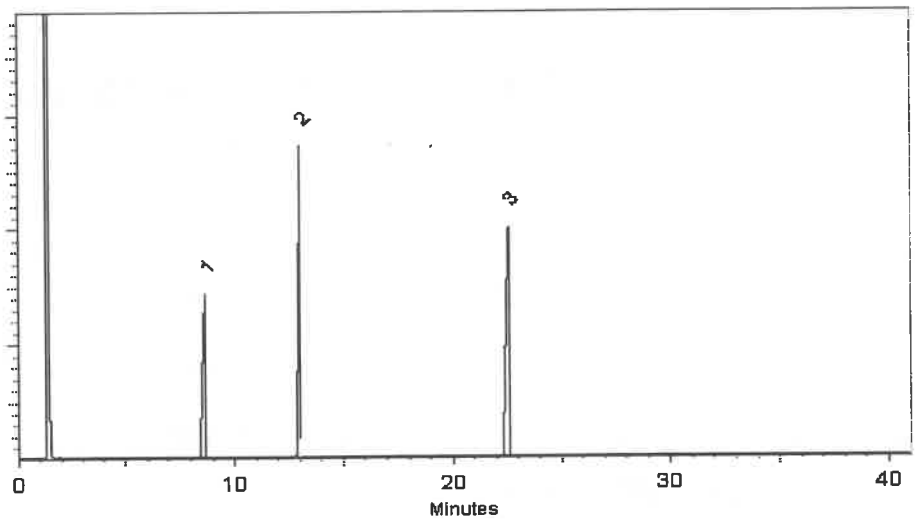
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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.

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.)

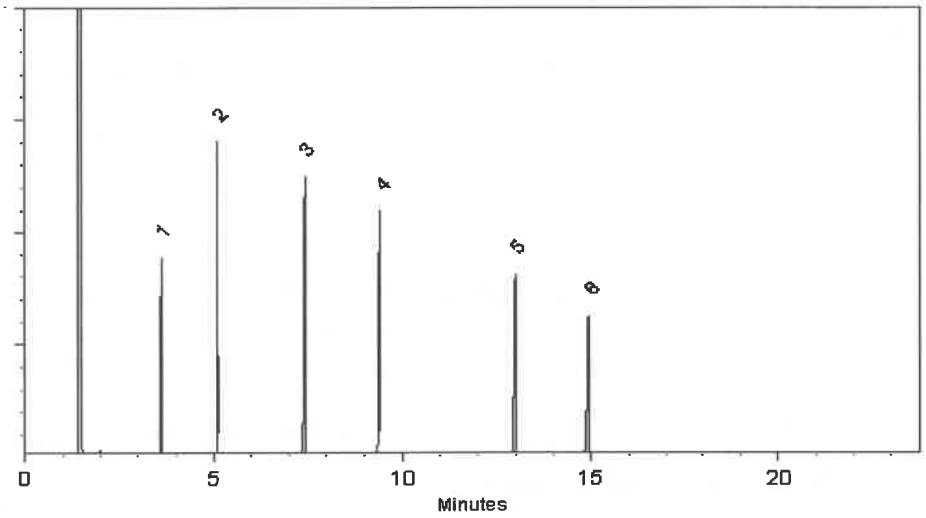
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

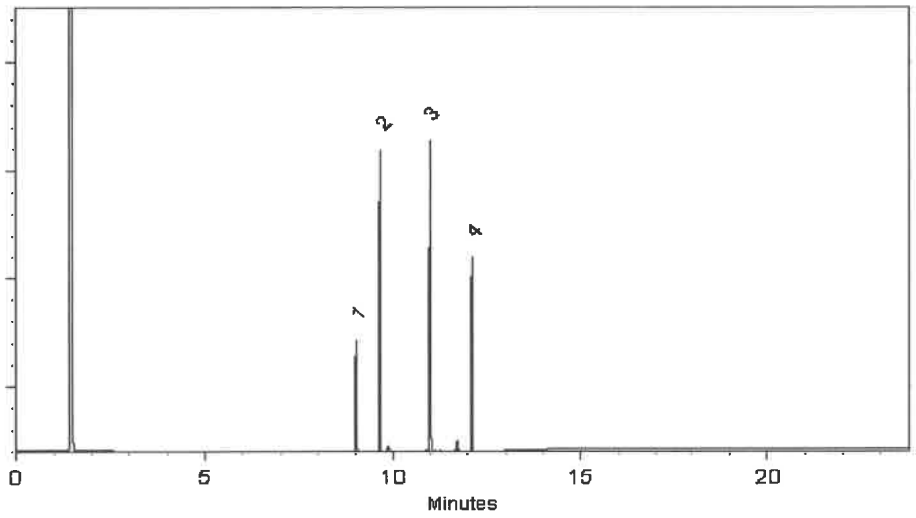
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

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.

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. Q1739
COC Number 2045994

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfied Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-552-9738 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed 11th Ave
PROJECT NO.: LOCATION: 11th Ave New York, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 454053
ADDRESS: 301 Plainfied Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore PHONE: 315-552-9738

DATA TURNAROUND INFORMATION

FAX (RUSH) 5-day rush DAYS*
HARDCOPY (DATA PACKAGE): 5-day rush DAYS*
EDD: 5-day rus DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☒ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

1 TPH
2 TCLP Pesticide/Herbicide
3 Flash Point/TCLP VOA
4 SVOC-TCL BNA-20/PCB
5 TCLP BNA/Extraction
6 pH Reactive Cyanide/Sulfide
7 VOC-TCL VOA-10/
8 Mercury Metals TCP-TAL
9 TCLP ICP Metals/Mercury

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 H2SO4	2 ICE	3 ICE	4 E	5 E	6 E	7 HCl	8 HNO3	9 ICE	COMMENTS
1.	WC-Liquid_20250404	L	X		4/4/25	0940	16	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Francine Phillips	1400 4/4/25	1 1460 4-4-25
2.		2.
3.	1630 4-4-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.4 °C
Comments: Include kirstenovalentini@parsons.com

Temp 2.4 C Adjustment Factor +1 IR Gun #1

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1739 PARS02
Client Name : PARSONS Engineering of N
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Engineering of N
Invoice Contact : Stephen Liberatore

Order Date : 4/4/2025 2:08:31 PM
Project Name : Con Edison - 11th Ave-Wes
Receive DateTime : 4/4/2025 ~~12:00:00 AM~~ 04:30 PM
Purchase Order :

yg 04/11/25

Project Mgr :
Report Type : ~~Results Only~~ Level 4
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1739-01	WC-LIQUID-20250404	Water	04/04/2025	09:40					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 4/7/25 0915

Received By : [signature]
Date / Time : 4/7/25 09:15

Storage Area : VOA Refridgerator Room