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Cover Page

Order ID : Q2064

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2064-01	RW8-SP100-70-20250514
Q2064-02	RW8-SP201-70-20250514
Q2064-03	RW8-SP301-70-20250514
Q2064-04	RW8-SP303-70-20250514
Q2064-05	RW8-SP100-90-20250514
Q2064-06	RW8-SP201-90-20250514
Q2064-07	RW8-SP301-90-20250514
Q2064-08	RW8-SP303-90-20250514

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: 5/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2064
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 Water samples were received on 05/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%],due to difference in results of BS and BSD.

The Blank Spike for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%],is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

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The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

ORDER ID: Q2064 MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.			
	The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.			
	The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%],is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.			
	The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%],due to difference in results of BS and BSD.			

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

(CONTINUED)

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2064**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **05/24/2025**

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LAB CHRONICLE

OrderID:	Q2064	**OrderDate:**	5/16/2025 10:39:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2064-01	**RW8-SP100-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-02	**RW8-SP201-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-03	**RW8-SP301-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-04	**RW8-SP303-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-05	**RW8-SP100-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-06	**RW8-SP201-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-07	**RW8-SP301-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-08	**RW8-SP303-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	

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LAB CHRONICLE

SVOC-TCL BNA -20	8270E	05/19/25	05/20/25

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Hit Summary Sheet
SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW8-SP303-70-20250514**								
Q2064-04	RW8-SP303-70-2025051‹ WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6	4	5	ug/L
		Total Svoc :				**2.10**			
Q2064-04	RW8-SP303-70-2025051‹ WATER	Benzophenone	*	4.200	J	0		0	ug/L
Q2064-04	RW8-SP303-70-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
		Total Tics :				**6.60**			
		Total Concentration:				**8.70**			
Client ID :	**RW8-SP100-90-20250514**								
Q2064-05	RW8-SP100-90-2025051‹ WATER	2-Propenoic acid, 2-methyl-, 3,3,5	*	3.300	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid, p-tert-butyl-	*	6.900	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzophenone	*	3.200	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Docosane	*	4.000	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Hexanoic acid, 2-ethyl-	*	24.700	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid	*	14.600	J	4.2		10	ug/L
		Total Tics :				**59.10**			
		Total Concentration:				**59.10**			
Client ID :	**RW8-SP303-90-20250514**								
Q2064-08	RW8-SP303-90-2025051‹ WATER	Benzophenone	*	3.100	J	0		0	ug/L
Q2064-08	RW8-SP303-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.700	J	0		0	ug/L
		Total Tics :				**5.80**			
		Total Concentration:				**5.80**			

QC
SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168048BL	PB168048BL	2-Fluorophenol	150	133	88		19	119
		Phenol-d6	150	122	81		10	130
		Nitrobenzene-d5	100	76.1	76		44	120
		2-Fluorobiphenyl	100	76.8	77		44	119
		2,4,6-Tribromophenol	150	145	97		43	140
		Terphenyl-d14	100	90.1	90		50	134
PB168048BS	PB168048BS	2-Fluorophenol	150	122	82		19	119
		Phenol-d6	150	117	78		10	130
		Nitrobenzene-d5	100	69.5	69		44	120
		2-Fluorobiphenyl	100	74.5	74		44	119
		2,4,6-Tribromophenol	150	139	93		43	140
		Terphenyl-d14	100	76.9	77		50	134
PB168048BSD	PB168048BSD	2-Fluorophenol	150	128	85		19	119
		Phenol-d6	150	120	80		10	130
		Nitrobenzene-d5	100	75.8	76		44	120
		2-Fluorobiphenyl	100	78.1	78		44	119
		2,4,6-Tribromophenol	150	146	97		43	140
		Terphenyl-d14	100	79.4	79		50	134
Q2064-01	RW8-SP100-70-20250514	2-Fluorophenol	150	48.9	33		19	119
		Phenol-d6	150	25.8	17		10	130
		Nitrobenzene-d5	100	68.6	69		44	120
		2-Fluorobiphenyl	100	71.1	71		44	119
		2,4,6-Tribromophenol	150	149	100		43	140
		Terphenyl-d14	100	83.3	83		50	134
Q2064-04	RW8-SP303-70-20250514	2-Fluorophenol	150	49.7	33		19	119
		Phenol-d6	150	27.0	18		10	130
		Nitrobenzene-d5	100	67.4	67		44	120
		2-Fluorobiphenyl	100	71.4	71		44	119
		2,4,6-Tribromophenol	150	155	103		43	140
		Terphenyl-d14	100	94.1	94		50	134
Q2064-05	RW8-SP100-90-20250514	2-Fluorophenol	150	52.3	35		19	119
		Phenol-d6	150	28.7	19		10	130
		Nitrobenzene-d5	100	70.0	70		44	120
		2-Fluorobiphenyl	100	70.3	70		44	119
		2,4,6-Tribromophenol	150	161	108		43	140
		Terphenyl-d14	100	97.0	97		50	134
Q2064-08	RW8-SP303-90-20250514	2-Fluorophenol	150	48.5	32		19	119
		Phenol-d6	150	26.5	18		10	130
		Nitrobenzene-d5	100	67.0	67		44	120
		2-Fluorobiphenyl	100	71.7	72		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	95.6	96		50	134

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Benzaldehyde	50	30.6	ug/L	61				10	161	
	Phenol	50	40.0	ug/L	80				10	132	
	bis(2-Chloroethyl)ether	50	35.7	ug/L	71				43	118	
	2-Chlorophenol	50	41.7	ug/L	83				38	117	
	2-Methylphenol	50	39.9	ug/L	80				30	117	
	2,2-oxybis(1-Chloropropane)	50	34.9	ug/L	70				37	130	
	Acetophenone	50	38.9	ug/L	78				46	118	
	3+4-Methylphenols	50	38.8	ug/L	78				29	110	
	N-Nitroso-di-n-propylamine	50	33.4	ug/L	67				49	119	
	Hexachloroethane	50	38.0	ug/L	76				21	115	
	Nitrobenzene	50	37.8	ug/L	76				45	121	
	Isophorone	50	35.9	ug/L	72				42	124	
	2-Nitrophenol	50	43.7	ug/L	87				47	123	
	2,4-Dimethylphenol	50	42.9	ug/L	86				31	124	
	bis(2-Chloroethoxy)methane	50	37.2	ug/L	74				48	120	
	2,4-Dichlorophenol	50	43.9	ug/L	88				47	121	
	Naphthalene	50	39.4	ug/L	79				40	121	
	4-Chloroaniline	50	19.5	ug/L	39				33	117	
	Hexachlorobutadiene	50	42.4	ug/L	85				22	124	
	Caprolactam	50	39.7	ug/L	79				10	161	
	4-Chloro-3-methylphenol	50	41.9	ug/L	84				52	119	
	2-Methylnaphthalene	50	39.5	ug/L	79				40	121	
	Hexachlorocyclopentadiene	100	89.2	ug/L	89				10	155	
	2,4,6-Trichlorophenol	50	46.4	ug/L	93				50	125	
	2,4,5-Trichlorophenol	50	45.0	ug/L	90				53	123	
	1,1-Biphenyl	50	42.8	ug/L	86				49	115	
	2-Chloronaphthalene	50	43.0	ug/L	86				40	116	
	2-Nitroaniline	50	43.3	ug/L	87				55	127	
	Dimethylphthalate	50	42.4	ug/L	85				45	127	
	Acenaphthylene	50	41.4	ug/L	83				41	130	
	2,6-Dinitrotoluene	50	43.0	ug/L	86				57	124	
	3-Nitroaniline	50	26.3	ug/L	53				41	128	
	Acenaphthene	50	41.3	ug/L	83				47	122	
	2,4-Dinitrophenol	100	81.6	ug/L	82				23	143	
	4-Nitrophenol	100	75.5	ug/L	76				10	161	
	Dibenzofuran	50	42.2	ug/L	84				53	118	
	2,4-Dinitrotoluene	50	44.7	ug/L	89				57	128	
	Diethylphthalate	50	41.6	ug/L	83				56	125	
	4-Chlorophenyl-phenylether	50	42.5	ug/L	85				53	121	
	Fluorene	50	42.4	ug/L	85				52	124	
	4-Nitroaniline	50	40.0	ug/L	80				35	120	
	4,6-Dinitro-2-methylphenol	50	44.3	ug/L	89				44	137	
	N-Nitrosodiphenylamine	50	42.6	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	44.0	ug/L	88				55	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Hexachlorobenzene	50	44.4	ug/L	89				53	125	
	Atrazine	50	44.4	ug/L	89				44	142	
	Pentachlorophenol	100	98.8	ug/L	99				35	138	
	Phenanthrene	50	40.6	ug/L	81				59	120	
	Anthracene	50	42.4	ug/L	85				57	123	
	Carbazole	50	42.9	ug/L	86				60	122	
	Di-n-butylphthalate	50	41.5	ug/L	83				59	127	
	Fluoranthene	50	42.5	ug/L	85				57	128	
	Pyrene	50	42.4	ug/L	85				57	126	
	Butylbenzylphthalate	50	43.1	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	33.0	ug/L	66				27	129	
	Benzo(a)anthracene	50	41.9	ug/L	84				58	125	
	Chrysene	50	40.8	ug/L	82				59	123	
	bis(2-Ethylhexyl)phthalate	50	44.3	ug/L	89				55	135	
	Di-n-octyl phthalate	50	45.4	ug/L	91				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	42.7	ug/L	85				57	129	
	Benzo(a)pyrene	50	42.6	ug/L	85				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.1	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	43.5	ug/L	87				35	121	
	1,4-Dioxane	50	30.9	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				50	128	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Benzaldehyde	50	33.3	ug/L	67	8			10	161	20
	Phenol	50	41.7	ug/L	83	4			10	132	20
	bis(2-Chloroethyl)ether	50	38.9	ug/L	78	9			43	118	20
	2-Chlorophenol	50	43.8	ug/L	88	5			38	117	20
	2-Methylphenol	50	40.8	ug/L	82	2			30	117	20
	2,2-oxybis(1-Chloropropane)	50	35.5	ug/L	71	2			37	130	20
	Acetophenone	50	41.6	ug/L	83	7			46	118	20
	3+4-Methylphenols	50	40.5	ug/L	81	4			29	110	20
	N-Nitroso-di-n-propylamine	50	34.9	ug/L	70	4			49	119	20
	Hexachloroethane	50	39.5	ug/L	79	4			21	115	20
	Nitrobenzene	50	42.2	ug/L	84	11			45	121	20
	Isophorone	50	37.7	ug/L	75	5			42	124	20
	2-Nitrophenol	50	47.7	ug/L	95	9			47	123	20
	2,4-Dimethylphenol	50	46.0	ug/L	92	7			31	124	20
	bis(2-Chloroethoxy)methane	50	39.7	ug/L	79	7			48	120	20
	2,4-Dichlorophenol	50	47.2	ug/L	94	7			47	121	20
	Naphthalene	50	42.5	ug/L	85	8			40	121	20
	4-Chloroaniline	50	34.9	ug/L	70	57		*	33	117	20
	Hexachlorobutadiene	50	45.8	ug/L	92	8			22	124	20
	Caprolactam	50	43.3	ug/L	87	9			10	161	20
	4-Chloro-3-methylphenol	50	42.8	ug/L	86	2			52	119	20
	2-Methylnaphthalene	50	41.9	ug/L	84	6			40	121	20
	Hexachlorocyclopentadiene	100	99.7	ug/L	100	11			10	155	20
	2,4,6-Trichlorophenol	50	49.8	ug/L	100	7			50	125	20
	2,4,5-Trichlorophenol	50	48.4	ug/L	97	7			53	123	20
	1,1-Biphenyl	50	45.9	ug/L	92	7			49	115	20
	2-Chloronaphthalene	50	46.2	ug/L	92	7			40	116	20
	2-Nitroaniline	50	45.1	ug/L	90	4			55	127	20
	Dimethylphthalate	50	44.8	ug/L	90	6			45	127	20
	Acenaphthylene	50	43.7	ug/L	87	5			41	130	20
	2,6-Dinitrotoluene	50	45.8	ug/L	92	6			57	124	20
	3-Nitroaniline	50	37.1	ug/L	74	34		*	41	128	20
	Acenaphthene	50	44.5	ug/L	89	7			47	122	20
	2,4-Dinitrophenol	100	86.7	ug/L	87	6			23	143	20
	4-Nitrophenol	100	78.4	ug/L	78	4			10	161	20
	Dibenzofuran	50	43.7	ug/L	87	3			53	118	20
	2,4-Dinitrotoluene	50	45.9	ug/L	92	3			57	128	20
	Diethylphthalate	50	44.1	ug/L	88	6			56	125	20
	4-Chlorophenyl-phenylether	50	45.4	ug/L	91	7			53	121	20
	Fluorene	50	45.6	ug/L	91	7			52	124	20
	4-Nitroaniline	50	43.8	ug/L	88	9			35	120	20
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98	10			44	137	20
	N-Nitrosodiphenylamine	50	47.5	ug/L	95	11			51	123	20
	4-Bromophenyl-phenylether	50	48.0	ug/L	96	9			55	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Hexachlorobenzene	50	47.6	ug/L	95	7			53	125	20
	Atrazine	50	47.6	ug/L	95	7			44	142	20
	Pentachlorophenol	100	110	ug/L	110	11			35	138	20
	Phenanthrene	50	44.4	ug/L	89	9			59	120	20
	Anthracene	50	46.9	ug/L	94	10			57	123	20
	Carbazole	50	46.9	ug/L	94	9			60	122	20
	Di-n-butylphthalate	50	46.4	ug/L	93	11			59	127	20
	Fluoranthene	50	45.0	ug/L	90	6			57	128	20
	Pyrene	50	43.3	ug/L	87	2			57	126	20
	Butylbenzylphthalate	50	44.7	ug/L	89	4			53	134	20
	3,3-Dichlorobenzidine	50	41.3	ug/L	83	22		*	27	129	20
	Benzo(a)anthracene	50	44.7	ug/L	89	6			58	125	20
	Chrysene	50	44.7	ug/L	89	9			59	123	20
	bis(2-Ethylhexyl)phthalate	50	47.2	ug/L	94	6			55	135	20
	Di-n-octyl phthalate	50	47.7	ug/L	95	5			51	140	20
	Benzo(b)fluoranthene	50	47.0	ug/L	94	10			53	131	20
	Benzo(k)fluoranthene	50	45.9	ug/L	92	7			57	129	20
	Benzo(a)pyrene	50	46.4	ug/L	93	9			54	128	20
	Indeno(1,2,3-cd)pyrene	50	45.4	ug/L	91	6			52	134	20
	Dibenz(a,h)anthracene	50	46.0	ug/L	92	6			51	134	20
	Benzo(g,h,i)perylene	50	44.9	ug/L	90	6			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	47.0	ug/L	94	8			35	121	20
	1,4-Dioxane	50	31.5	ug/L	63	2	*		70	130	20
	2,3,4,6-Tetrachlorophenol	50	48.0	ug/L	96	10			50	128	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168048BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024706.D Lab Sample ID: PB168048BL

Instrument ID: BNA_P Date Extracted: 05/19/2025

Matrix: (soil/water) Water Date Analyzed: 05/20/2025

Level: (low/med) LOW Time Analyzed: 13:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168048BS	PB168048BS	BP024707.D	05/20/2025
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	33.1
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	19.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

Raw Data: **BP024702.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024702.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.2
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	33.3
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	47.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	33.6
365	Greater than 1% of mass 198	5.4
441	Present, but less than mass 443	21.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BP024703.D	05/20/2025	11:52
PB168048BL	PB168048BL	BP024706.D	05/20/2025	13:55
PB168048BS	PB168048BS	BP024707.D	05/20/2025	14:35
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025	15:16
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025	17:59
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025	18:40
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025	19:21
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025	20:02
SSTDCCC040EC	SSTDCCC040	BP024718.D	05/20/2025	22:04

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

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	123667	7.657	504753	10.43	316846	14.29
	UPPER LIMIT	247334	8.157	1009510	10.928	633692	14.787
	LOWER LIMIT	61833.5	7.157	252377	9.928	158423	13.787
	EPA SAMPLE NO.						
01	PB168048BL	134412	7.66	500749	10.43	300658	14.29
02	PB168048BS	124819	7.66	494827	10.43	304328	14.29
03	PB168048BSD	139801	7.66	538123	10.42	329718	14.29
04	RW8-SP100-70-20250514	110969	7.66	419501	10.43	276589	14.29
05	RW8-SP303-70-20250514	118478	7.66	455563	10.43	312017	14.29
06	RW8-SP100-90-20250514	105097	7.66	405523	10.43	295391	14.29
07	RW8-SP303-90-20250514	121733	7.66	471667	10.42	308901	14.28

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

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	620396	17.081	679929	21.516	792201	24.798
	UPPER LIMIT	1240790	17.581	1359860	22.016	1584400	25.298
	LOWER LIMIT	310198	16.581	339965	21.016	396101	24.298
	EPA SAMPLE NO.						
01	PB168048BL	642481	17.09	691700	21.52	756782	24.82
02	PB168048BS	614284	17.08	693187	21.52	827509	24.79
03	PB168048BSD	642991	17.08	741643	21.52	838594	24.79
04	RW8-SP100-70-20250514	582176	17.09	659261	21.52	737654	24.80
05	RW8-SP303-70-20250514	617202	17.09	694869	21.52	845393	24.80
06	RW8-SP100-90-20250514	588501	17.09	654045	21.52	776769	24.80
07	RW8-SP303-90-20250514	630051	17.09	688875	21.52	813486	24.80

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

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

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

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SAMPLE DATA

Raw Data: **BP024712.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Raw Data: **BP024712.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Raw Data: **BP024712.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	48.9		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	25.8		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.6		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.1		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		43 - 140		100%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		50 - 134		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111000	7.657				
1146-65-2	Naphthalene-d8	420000	10.428				
15067-26-2	Acenaphthene-d10	277000	14.286				
1517-22-2	Phenanthrene-d10	582000	17.086				
1719-03-5	Chrysene-d12	659000	21.521				
1520-96-3	Perylene-d12	738000	24.803				

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

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

Sample Results: **BP024712.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Quant Time: May 20 18:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

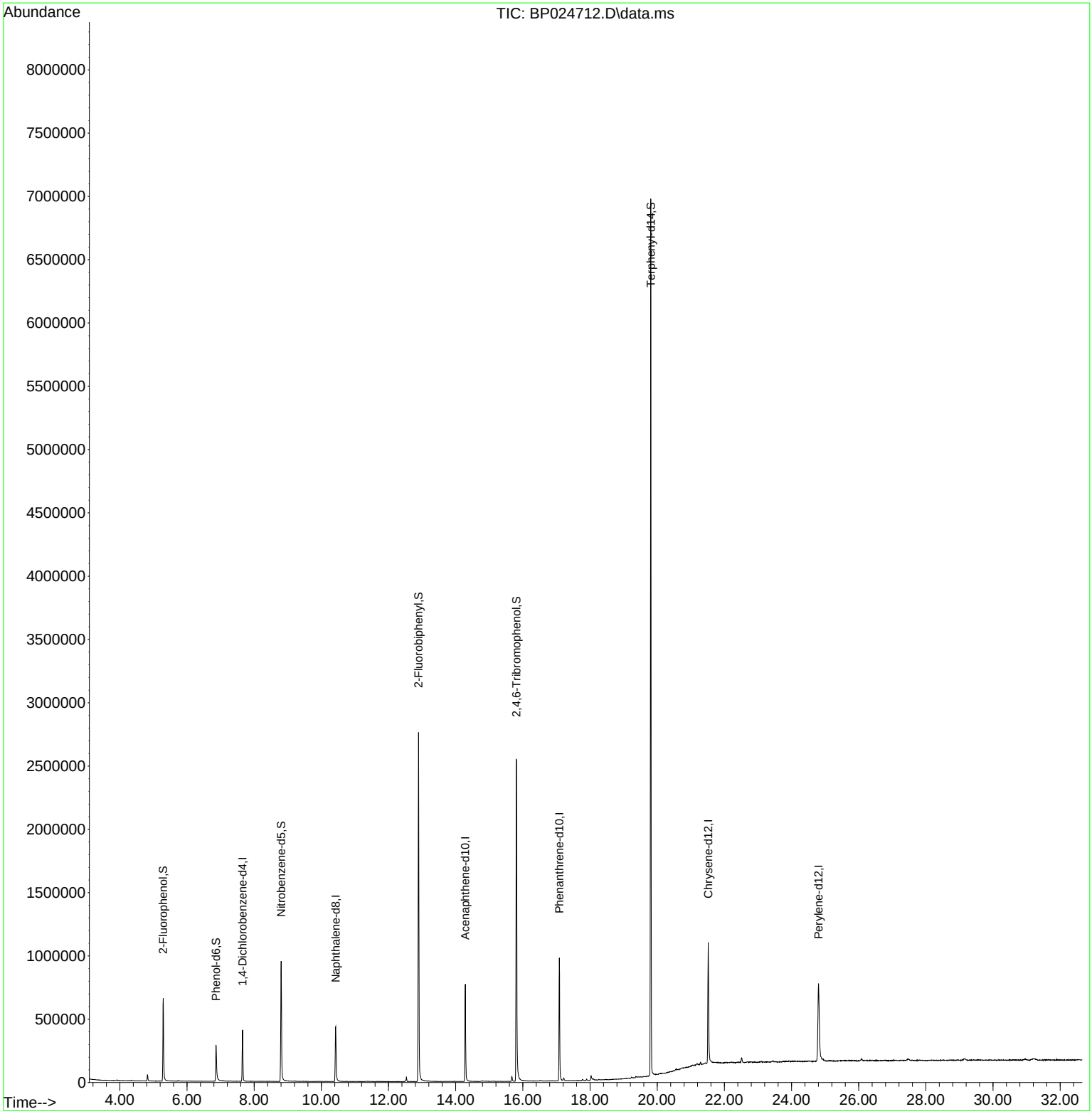
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	110969	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	419501	20.000	ng	0.00
39) Acenaphthene-d10	14.286	164	276589	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	582176	20.000	ng	-0.01
76) Chrysene-d12	21.521	240	659261	20.000	ng	0.00
86) Perylene-d12	24.803	264	737654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	317059	48.868	ng	0.00
7) Phenol-d6	6.863	99	213887	25.830	ng	0.01
23) Nitrobenzene-d5	8.804	82	569405	68.582	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	700087	149.305	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	1500457	71.072	ng	-0.01
79) Terphenyl-d14	19.810	244	3203310	83.316	ng	0.00
Target Compounds						Qvalue

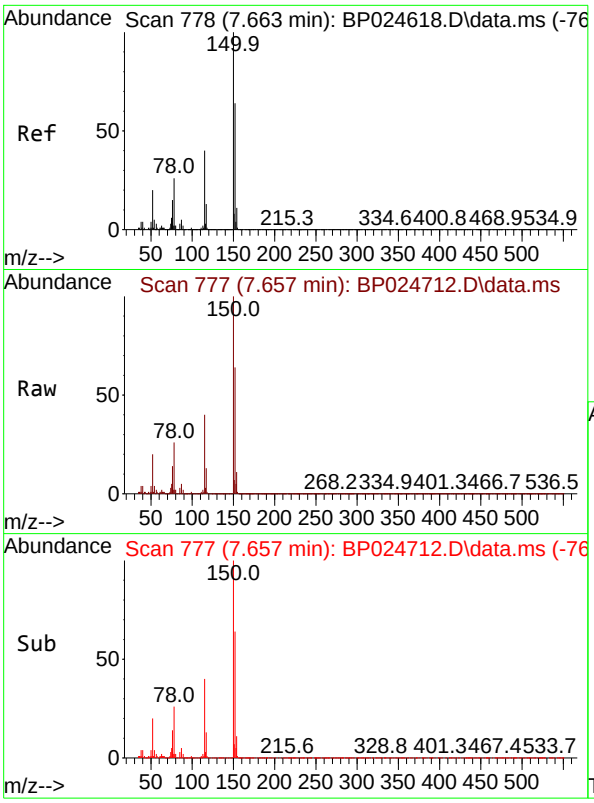
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Quant Time: May 20 18:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



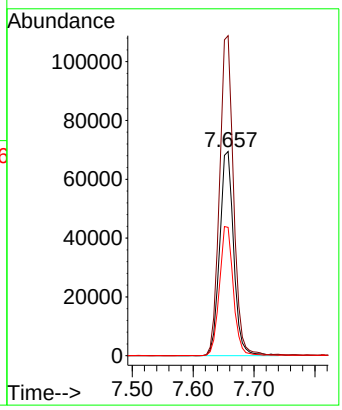


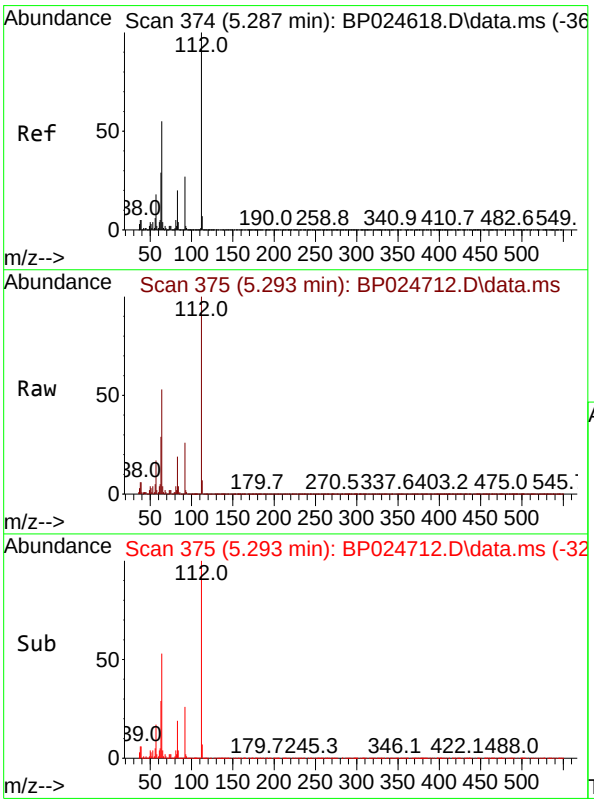
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion:152 Resp: 110969

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.9	188.9
115	62.9	50.1	75.1

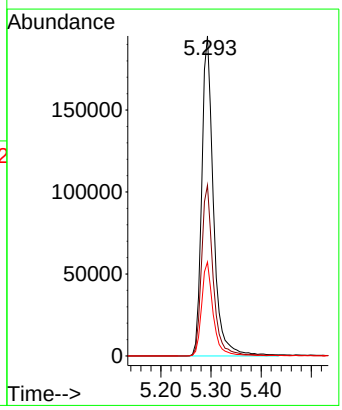


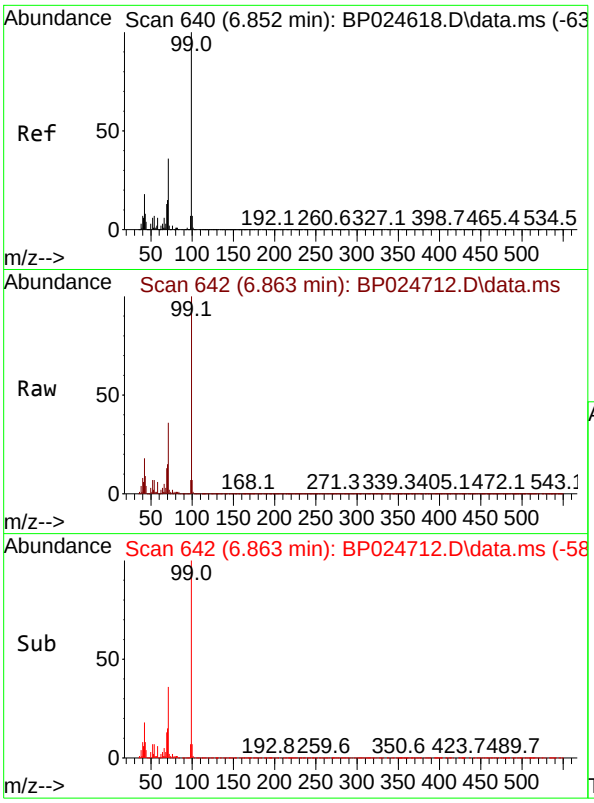


#5
2-Fluorophenol
Concen: 48.868 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:112 Resp: 317059

Ion	Ratio	Lower	Upper
112	100		
64	53.4	44.1	66.1
63	29.3	23.5	35.3



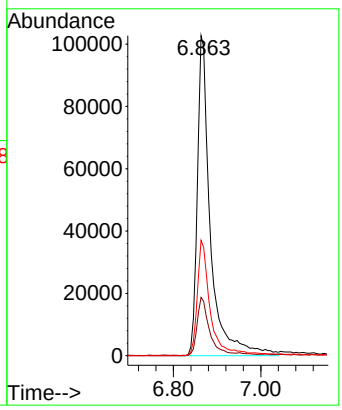


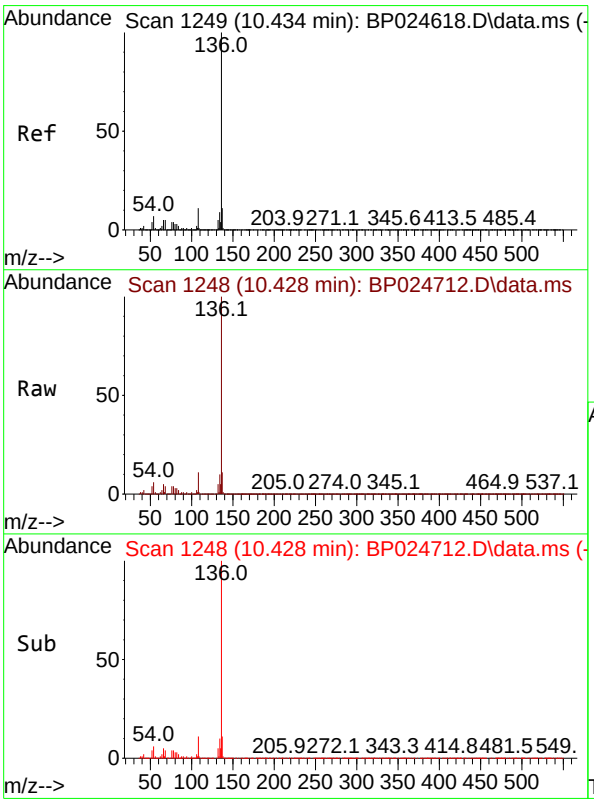
#7
Phenol-d6
Concen: 25.830 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion: 99 Resp: 213887

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.4	21.6
71	36.1	29.2	43.8

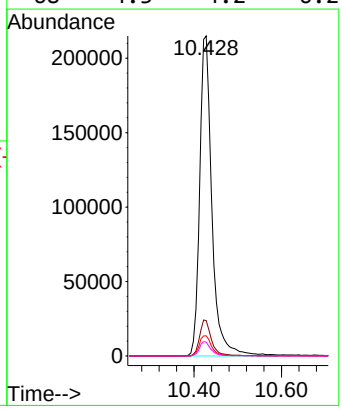


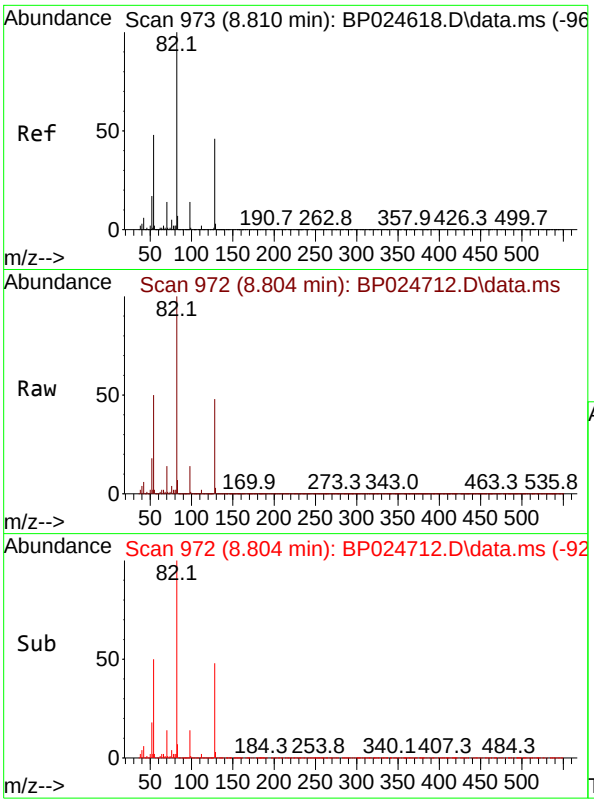


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:136 Resp: 419501

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.3	5.5	8.3
68	4.3	4.2	6.2



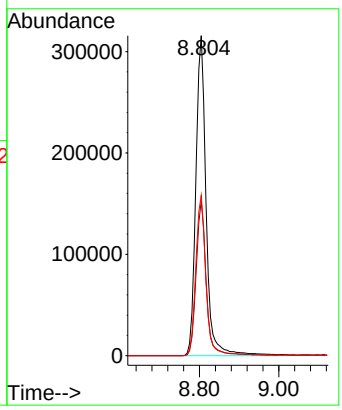


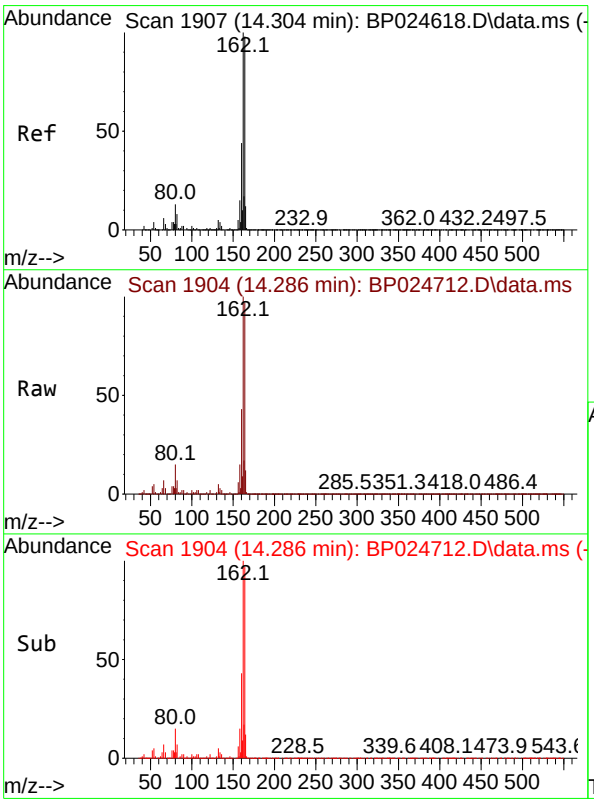
#23
Nitrobenzene-d5
Concen: 68.582 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion: 82 Resp: 569405

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.0	55.4
54	50.1	38.7	58.1

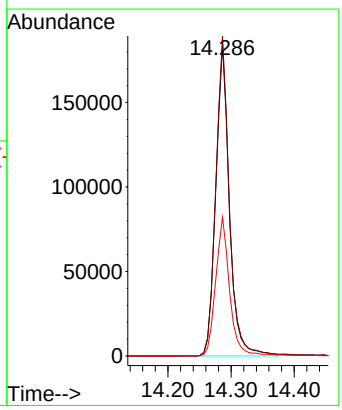


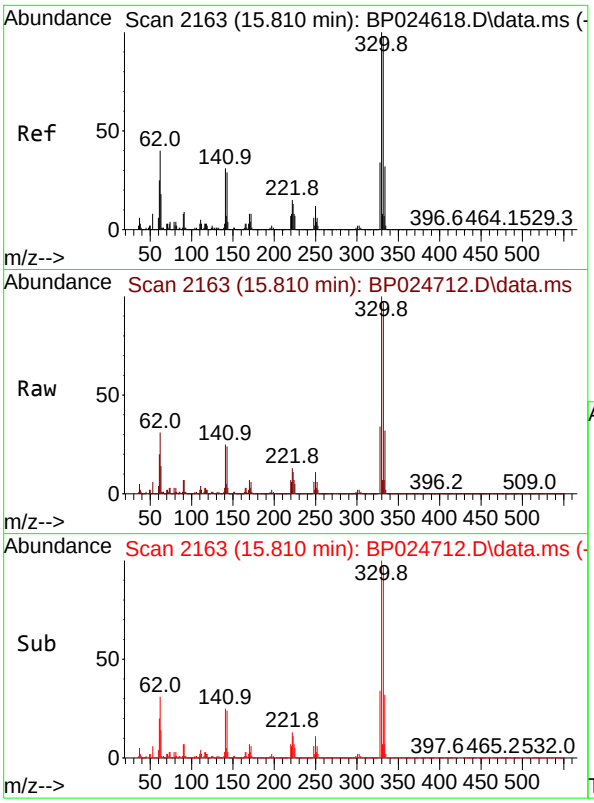


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:164 Resp: 276589

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	44.6	36.3	54.5



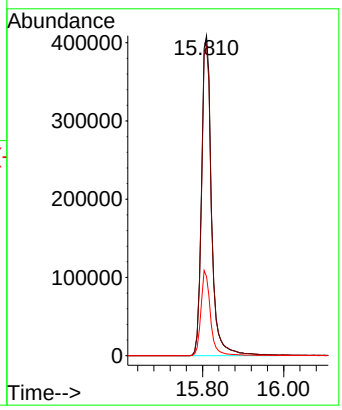


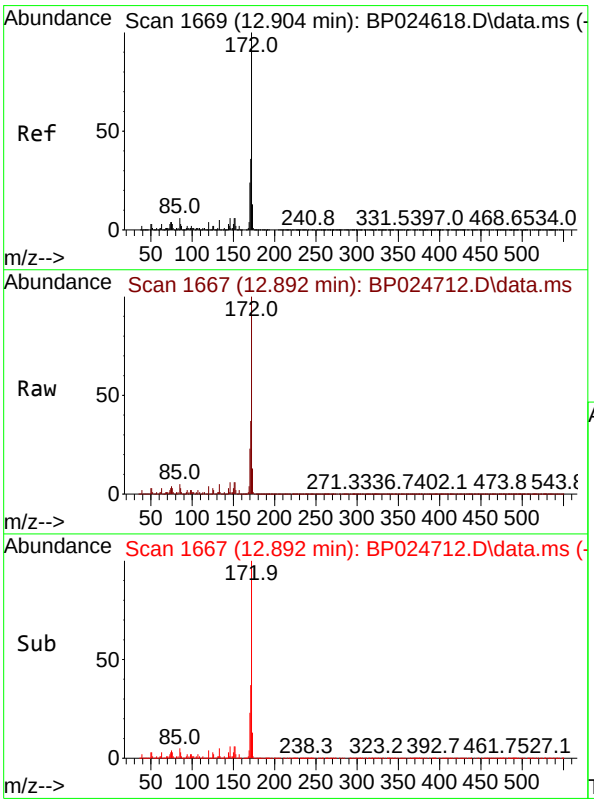
#42
2,4,6-Tribromophenol
Concen: 149.305 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion:330 Resp: 700087

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.4
141	25.3	24.3	36.5

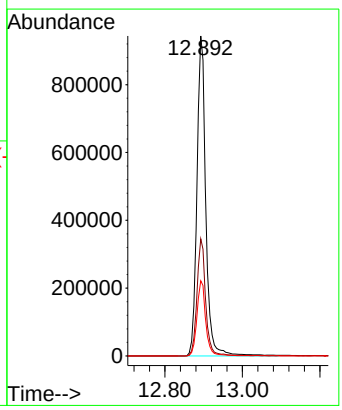


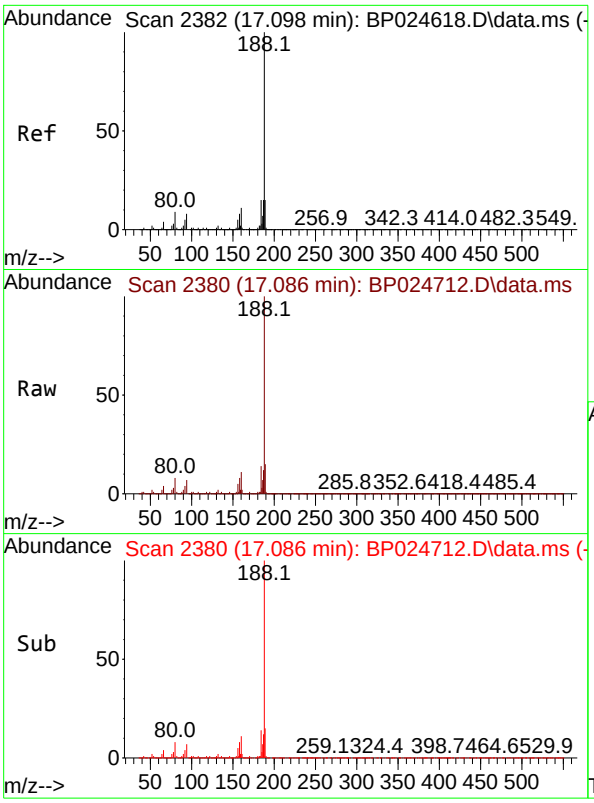


#45
2-Fluorobiphenyl
Concen: 71.072 ng
RT: 12.892 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:172 Resp: 1500457

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.8	43.2
170	23.5	18.8	28.2



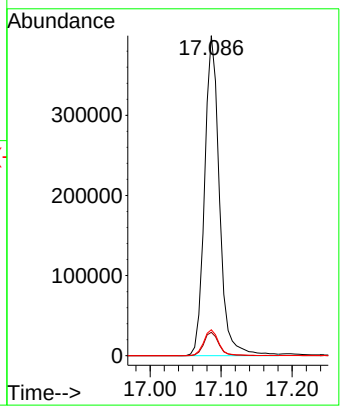


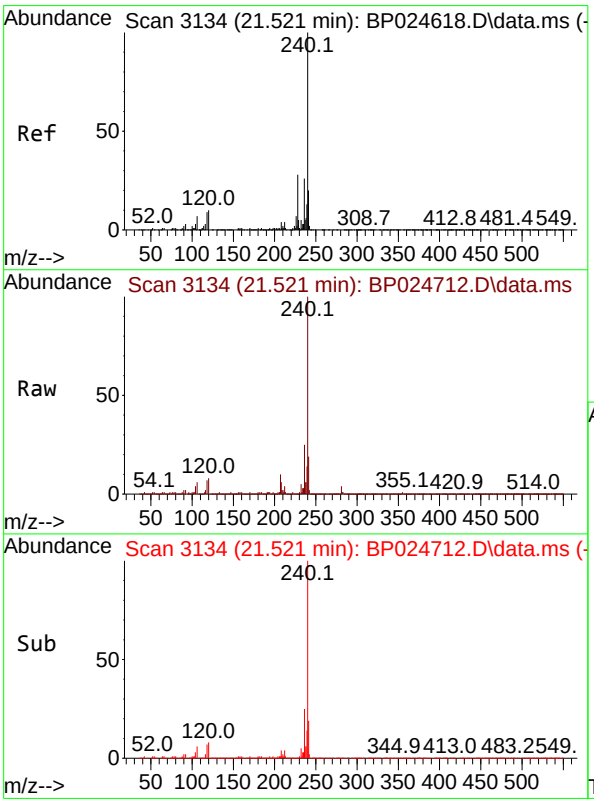
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion:188 Resp: 582176

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.5	9.7
80	8.1	7.3	10.9

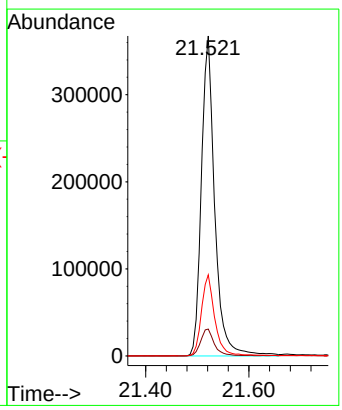


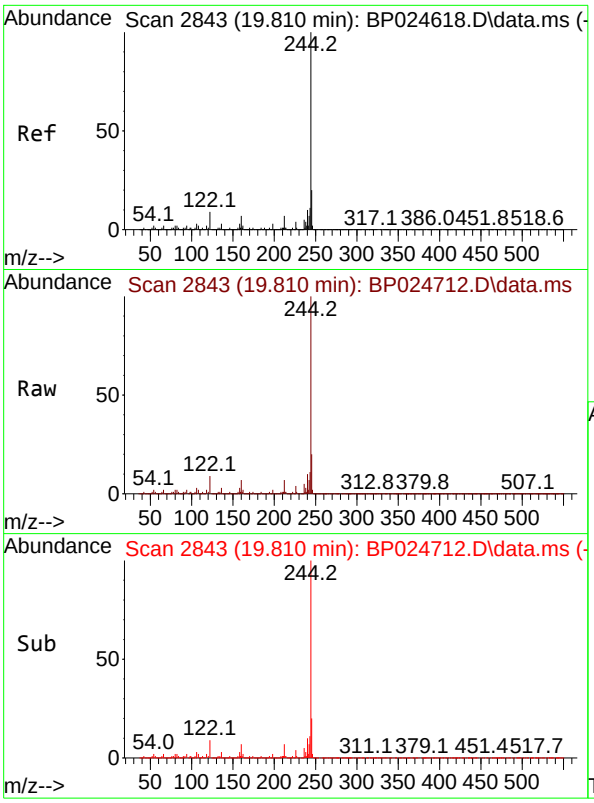


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:240 Resp: 659261

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.8	11.6
236	25.3	20.6	31.0



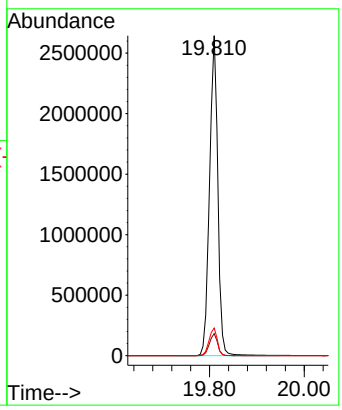


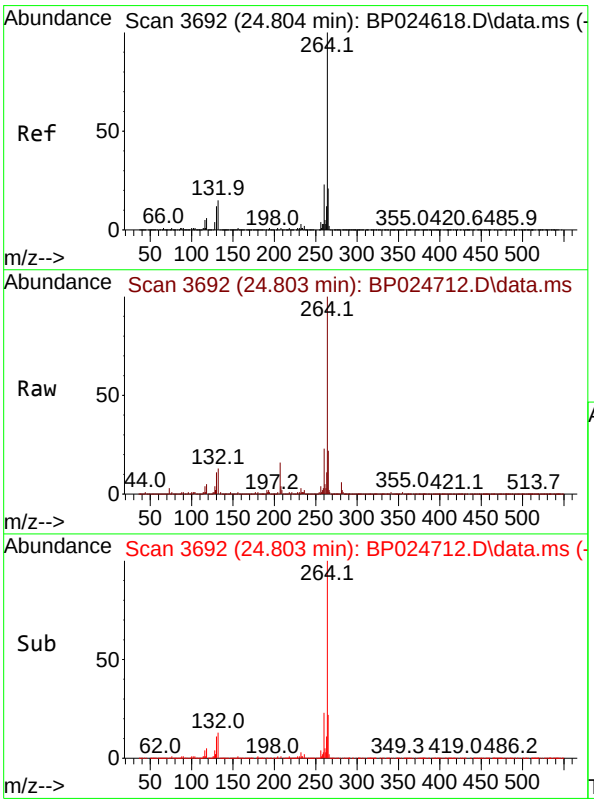
#79
Terphenyl-d14
Concen: 83.316 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Tgt Ion:244 Resp: 3203310

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.6	7.4	11.0

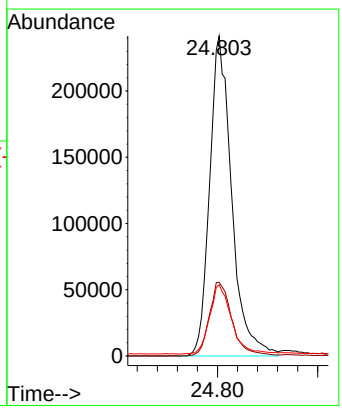




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.803 min Scan# 3692
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:264 Resp: 737654

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.3	17.0	25.6



Sample Results: **BP024712.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024712.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	369	375	392	rBV	654822	1070163	12.73%	3.825%
2	6.863	636	642	664	rBV	287515	602015	7.16%	2.152%
3	7.651	770	776	788	rBV	403324	643122	7.65%	2.299%
4	8.804	962	972	989	rBV	949707	1685996	20.05%	6.026%
5	10.428	1240	1248	1267	rBV	431758	838642	9.97%	2.998%
6	12.892	1657	1667	1683	rBV	2758595	4289696	51.01%	15.333%
7	14.286	1896	1904	1924	rBV	769153	1180188	14.03%	4.218%
8	15.804	2155	2162	2179	rBV	2546682	4376513	52.04%	15.643%
9	17.086	2374	2380	2392	rBV2	971587	1435551	17.07%	5.131%
10	19.810	2837	2843	2856	rBV	6924823	8409577	100.00%	30.058%
11	21.521	3128	3134	3157	rBV	950809	1724234	20.50%	6.163%
12	24.803	3684	3692	3709	rVB	597259	1722060	20.48%	6.155%

Sum of corrected areas: 27977757

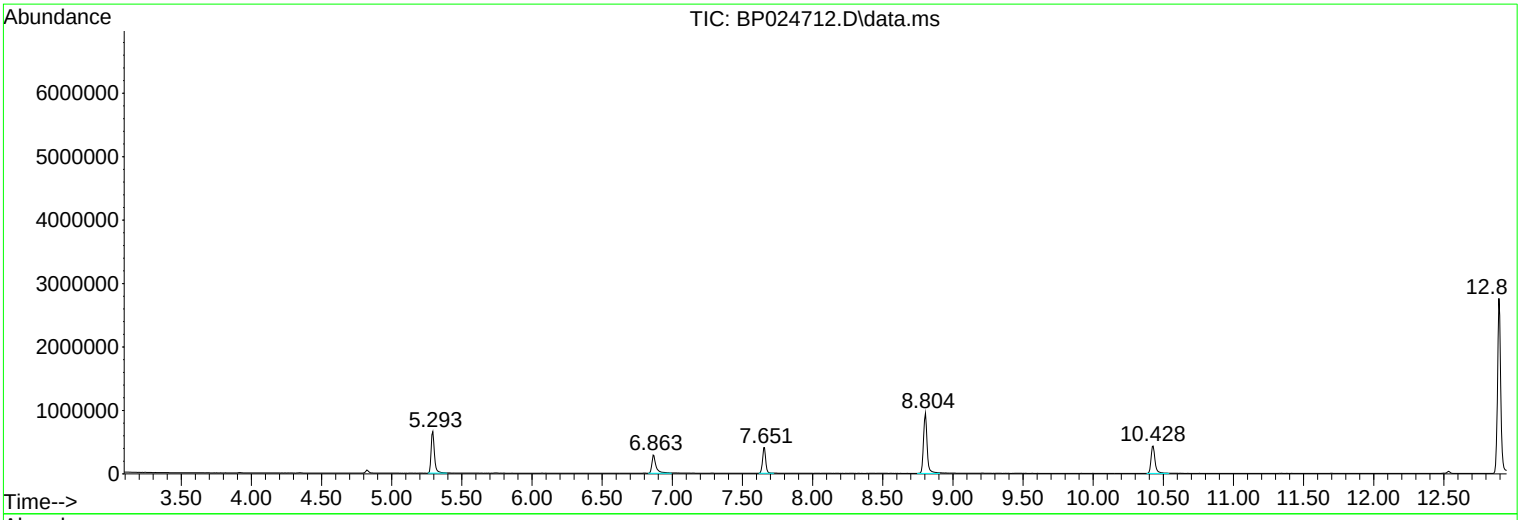
Sample Results: **BP024712.D**

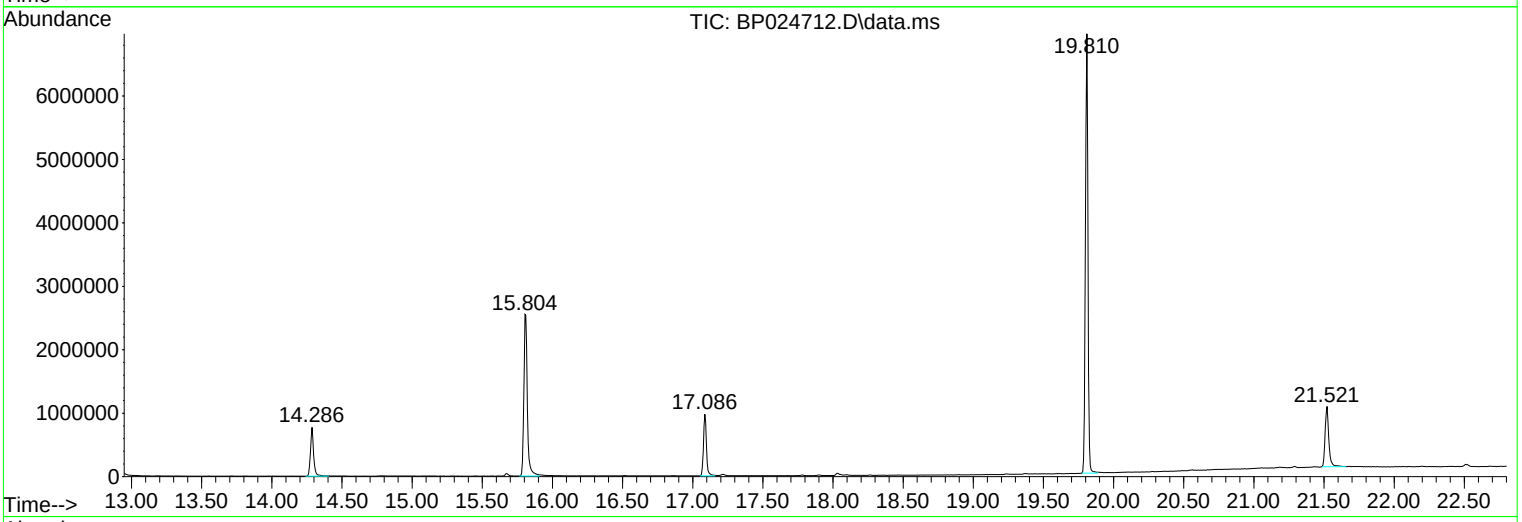
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

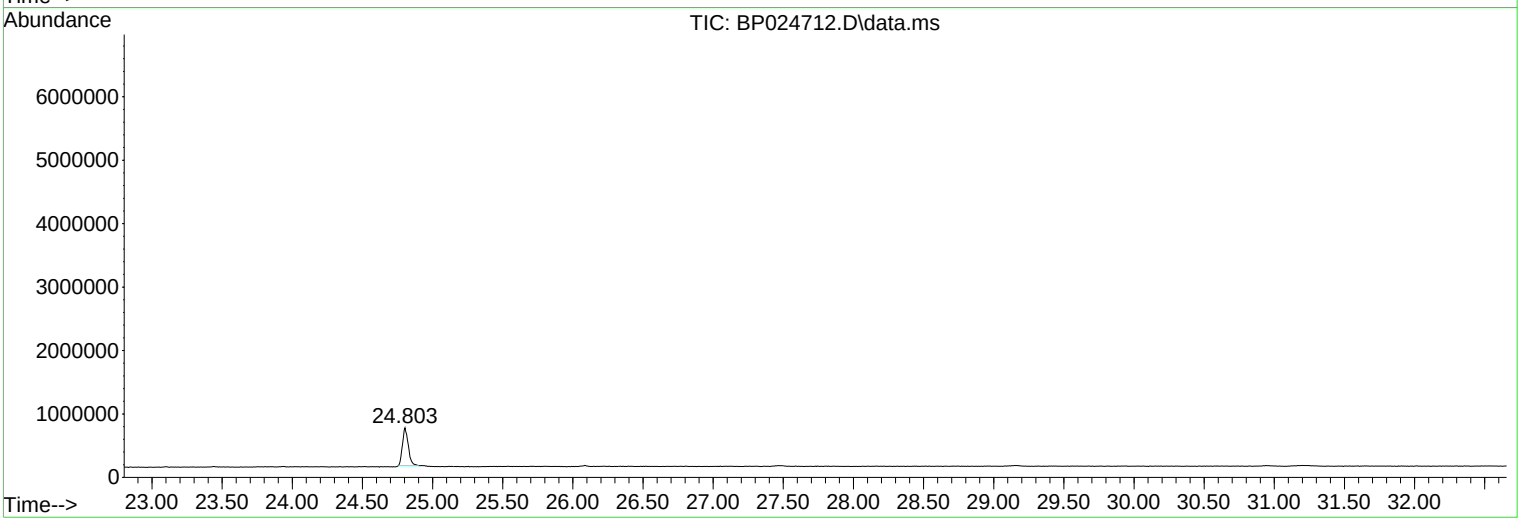
Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **BP024712.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **BP024712.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **BP024713.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Raw Data: **BP024713.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	J	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Raw Data: **BP024713.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	49.7		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	27.0		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.4		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140		103%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118000	7.657				
1146-65-2	Naphthalene-d8	456000	10.428				
15067-26-2	Acenaphthene-d10	312000	14.292				
1517-22-2	Phenanthrene-d10	617000	17.086				
1719-03-5	Chrysene-d12	695000	21.515				
1520-96-3	Perylene-d12	845000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	4.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L

Raw Data: **BP024713.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Time: May 21 01:25:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	118478	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	455563	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	312017	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	617202	20.000	ng	-0.01
76) Chrysene-d12	21.515	240	694869	20.000	ng	0.00
86) Perylene-d12	24.804	264	845393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	344511	49.734	ng	0.00
7) Phenol-d6	6.863	99	238936	27.027	ng	0.01
23) Nitrobenzene-d5	8.798	82	607815	67.413	ng	-0.01
42) 2,4,6-Tribromophenol	15.804	330	817839	154.613	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1699983	71.380	ng	0.00
79) Terphenyl-d14	19.810	244	3812935	94.090	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.433	149	56638	2.081	ng	98

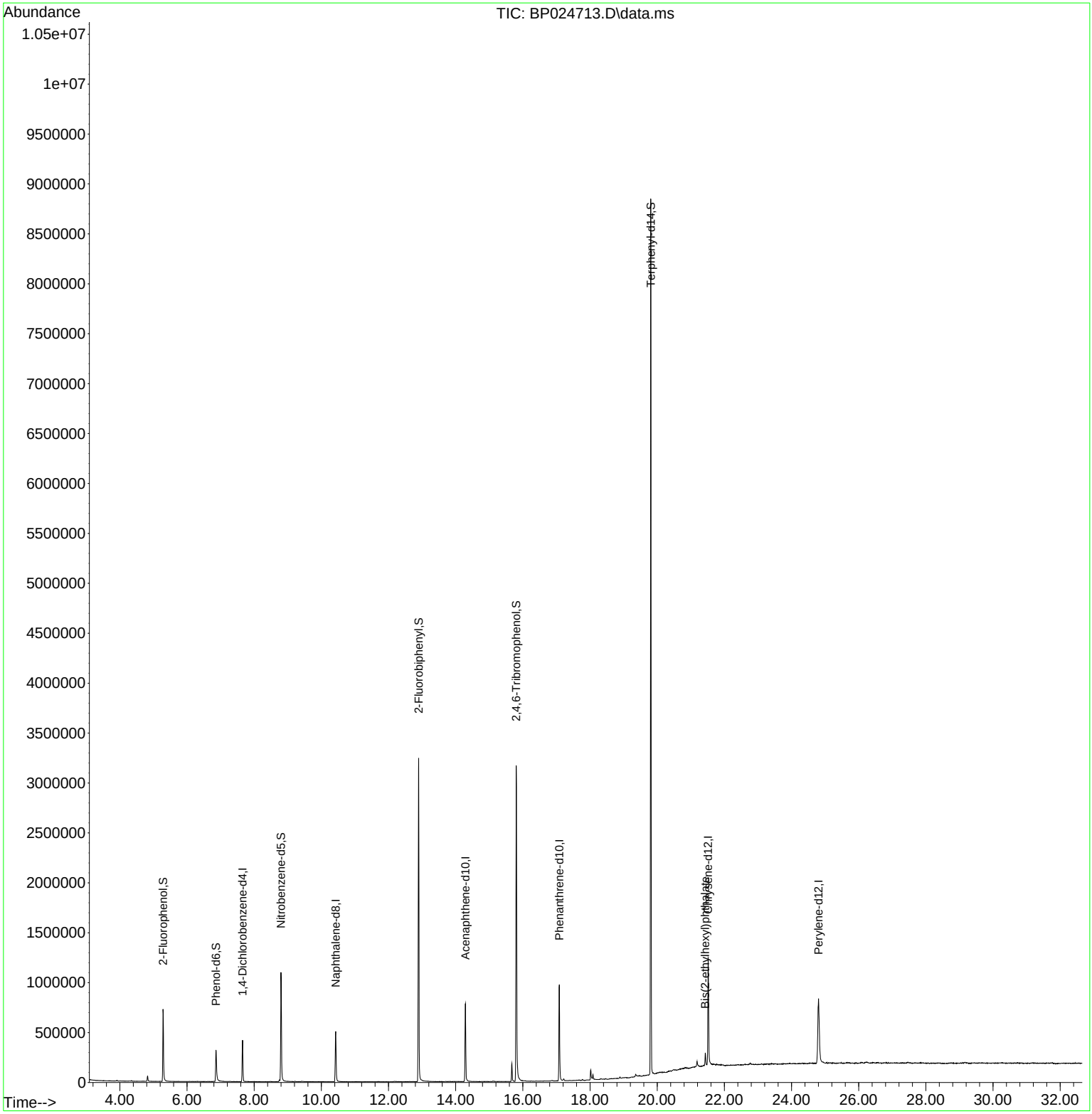
(#) = qualifier out of range (m) = manual integration (+) = signals summed

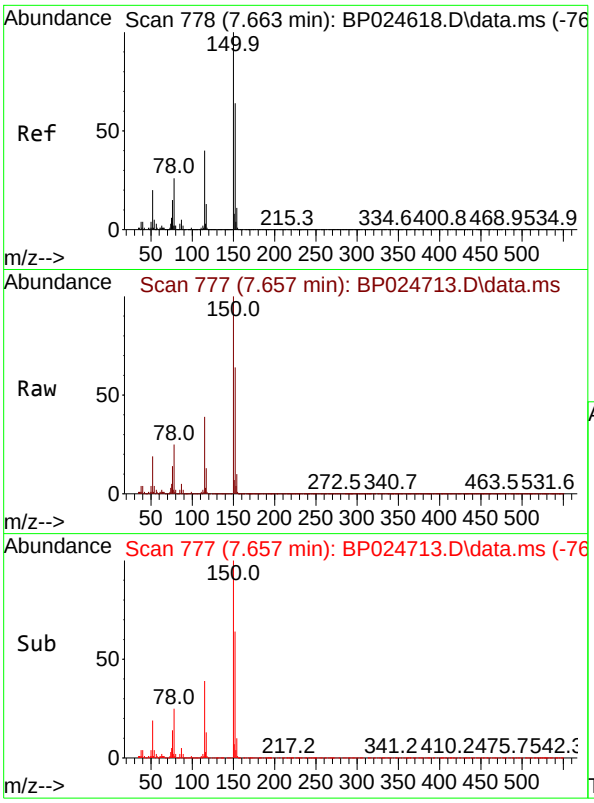
Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Time: May 21 01:25:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



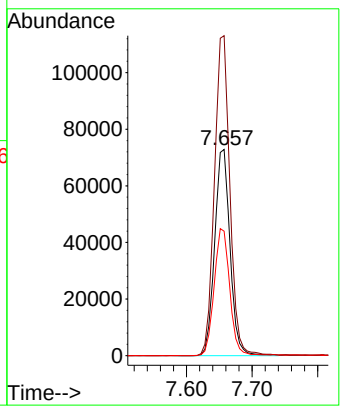


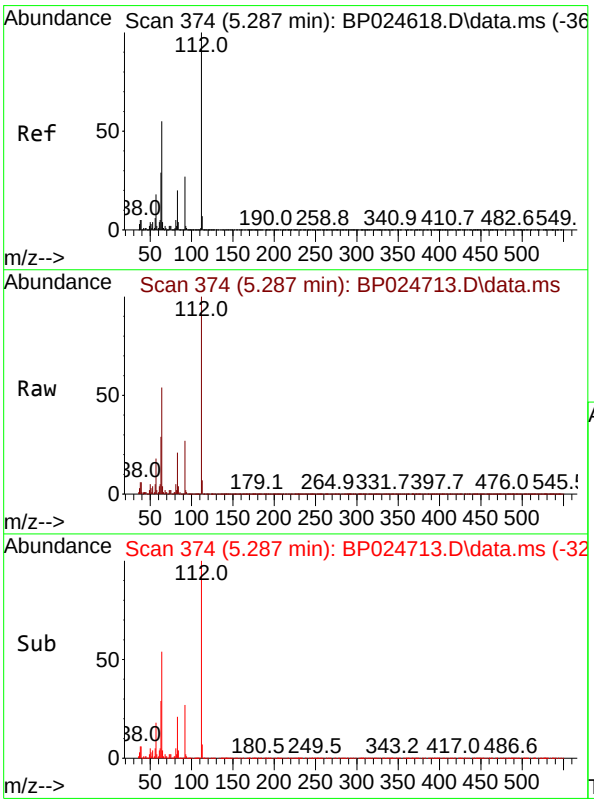
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion:152 Resp: 118478

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.9	188.9
115	60.4	50.1	75.1

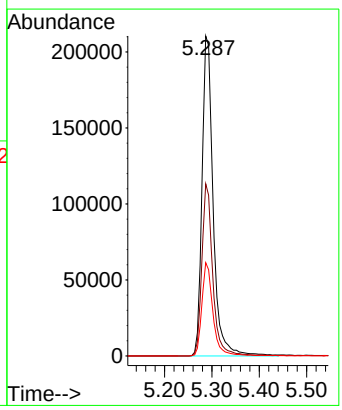


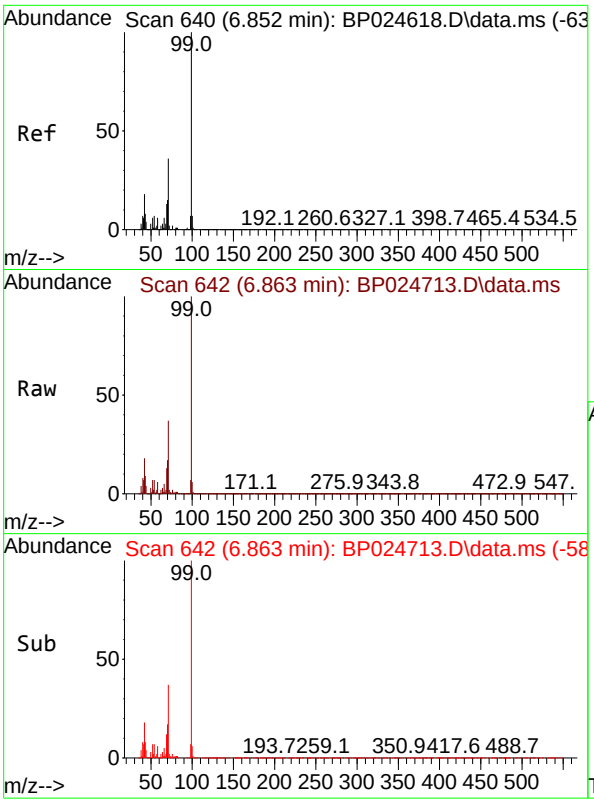


#5
2-Fluorophenol
Concen: 49.734 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:112 Resp: 344511

Ion	Ratio	Lower	Upper
112	100		
64	53.8	44.1	66.1
63	29.2	23.5	35.3



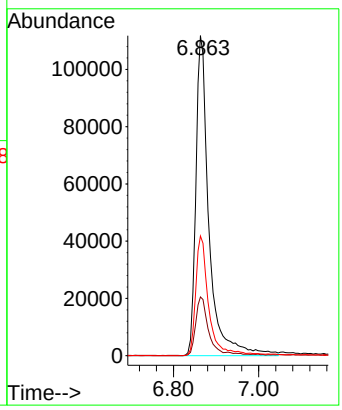


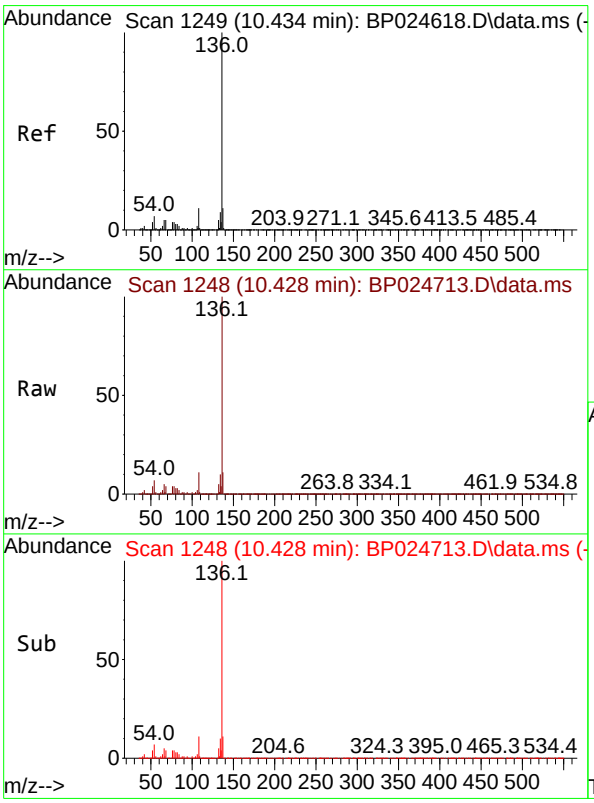
#7
Phenol-d6
Concen: 27.027 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion: 99 Resp: 238936

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.4	21.6
71	37.4	29.2	43.8

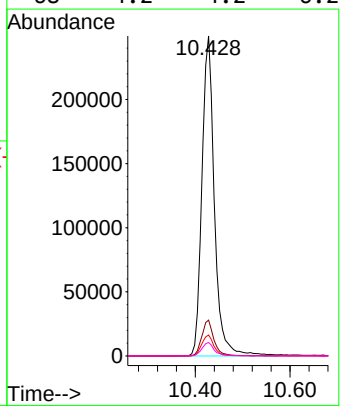


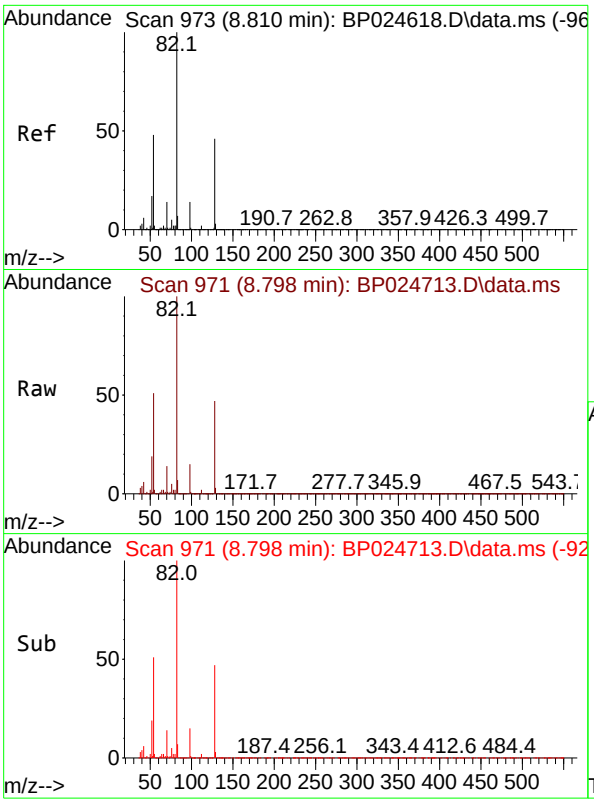


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:136 Resp: 455563

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.5	5.5	8.3
68	4.2	4.2	6.2



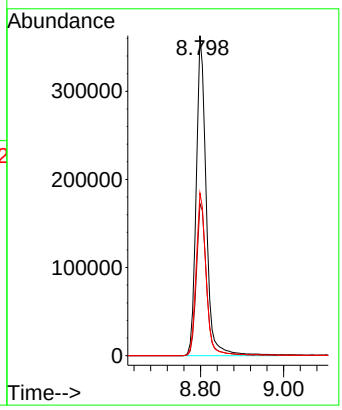


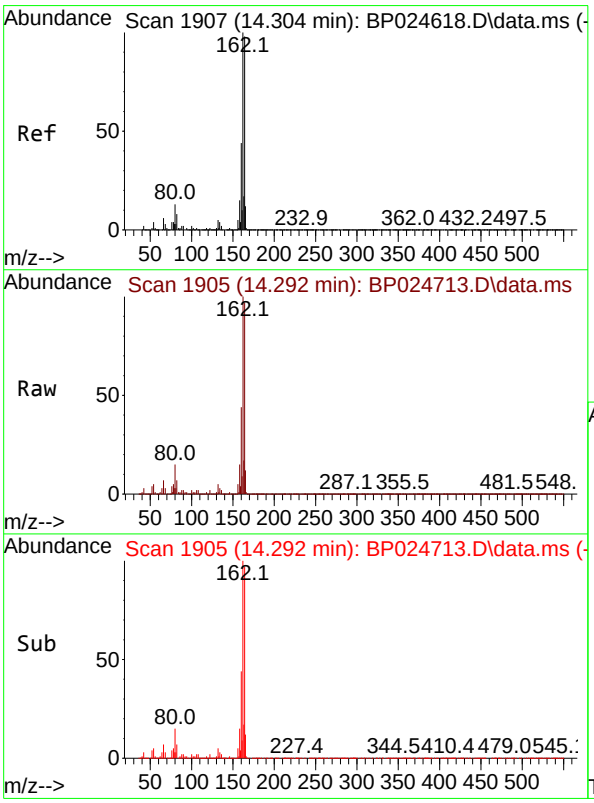
#23
Nitrobenzene-d5
Concen: 67.413 ng
RT: 8.798 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion: 82 Resp: 607815

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.0	55.4
54	50.8	38.7	58.1

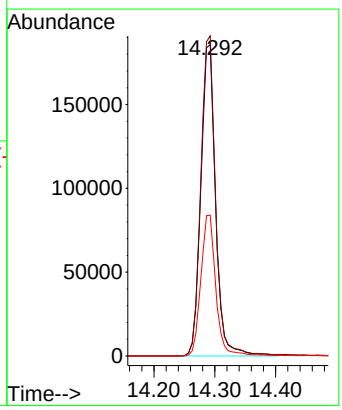


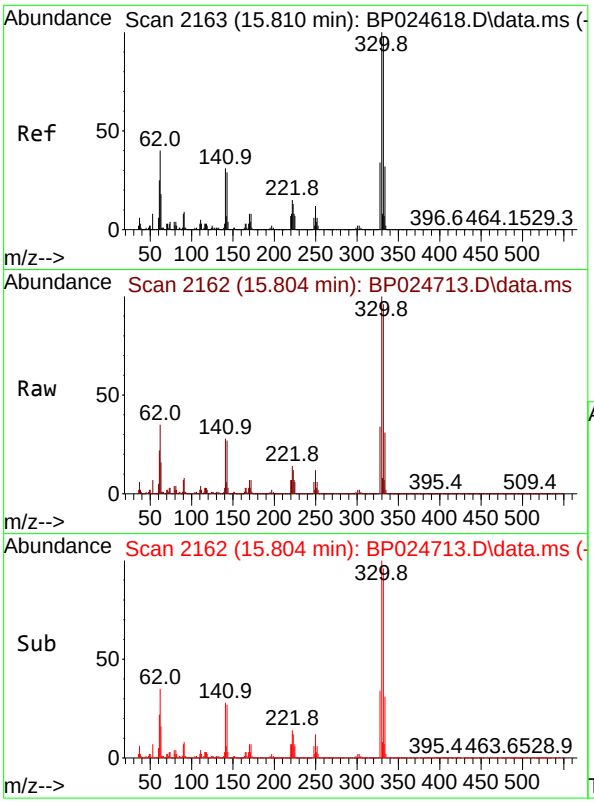


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:164 Resp: 312017

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.2	36.3	54.5



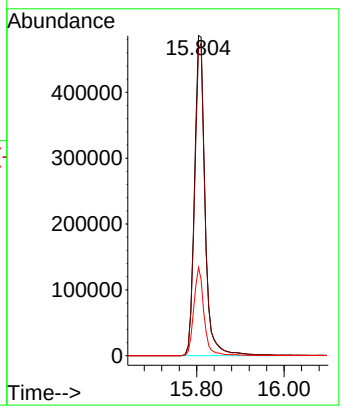


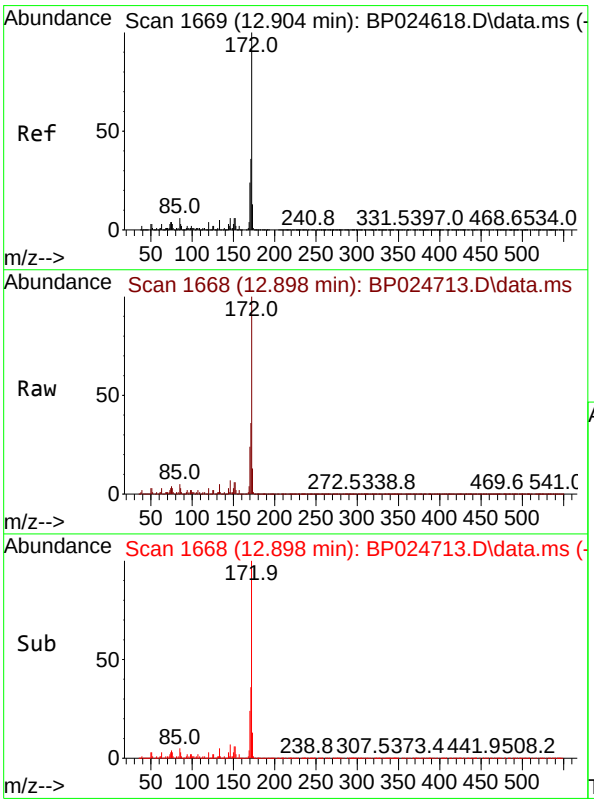
#42
2,4,6-Tribromophenol
Concen: 154.613 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion:330 Resp: 817839

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.4
141	26.8	24.3	36.5

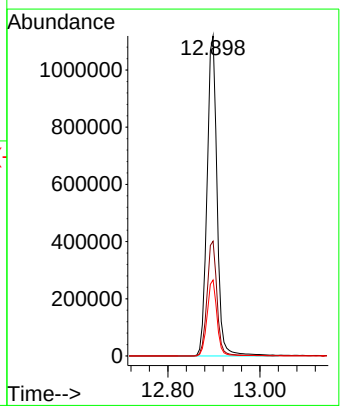


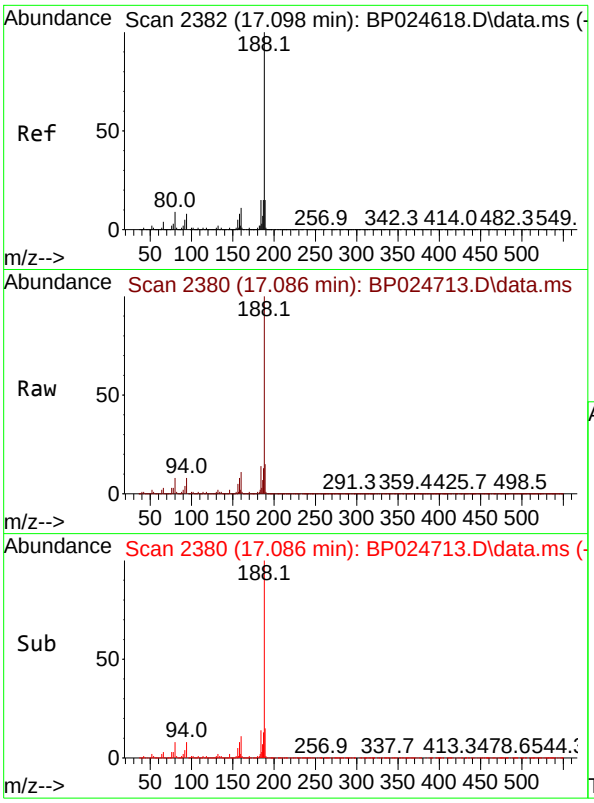


#45
2-Fluorobiphenyl
Concen: 71.380 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:172 Resp: 1699983

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2



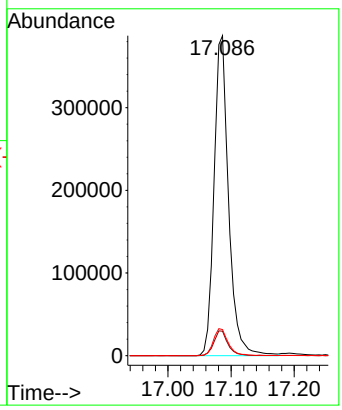


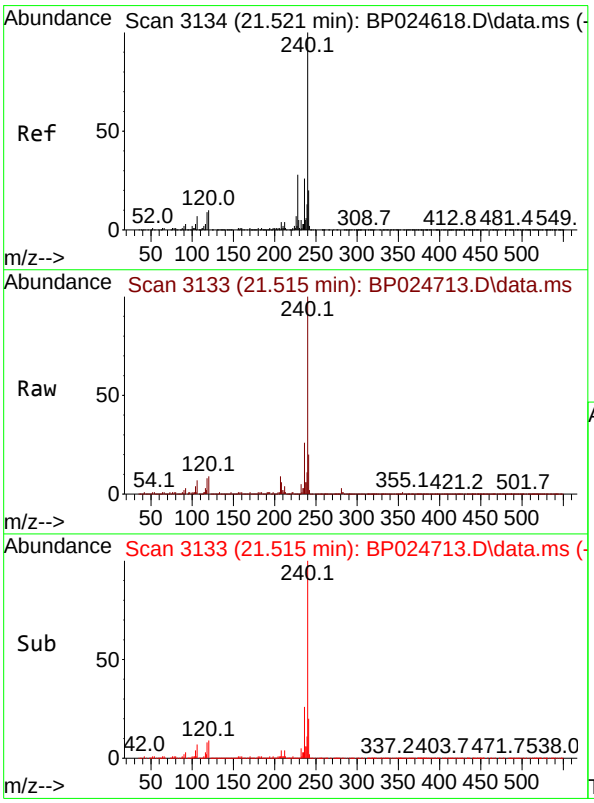
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion:188 Resp: 617202

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.5	9.7
80	8.1	7.3	10.9

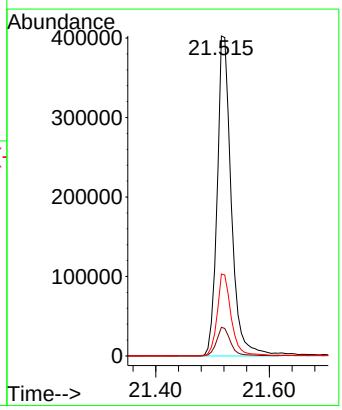


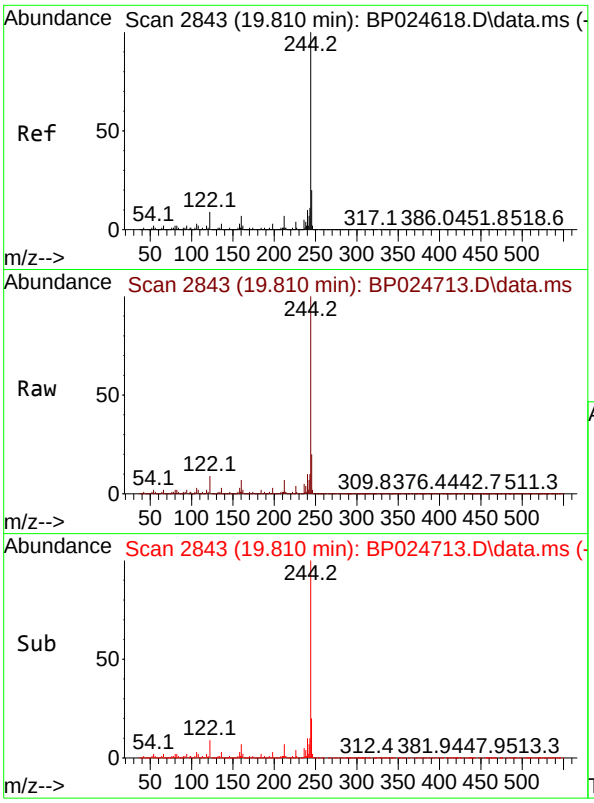


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:240 Resp: 694869

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.8	11.6
236	25.6	20.6	31.0



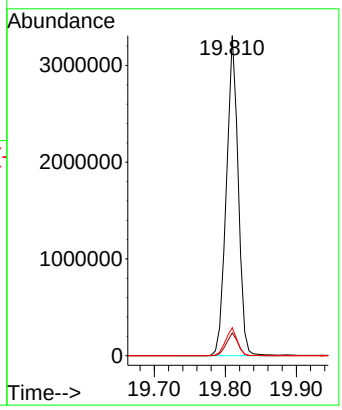


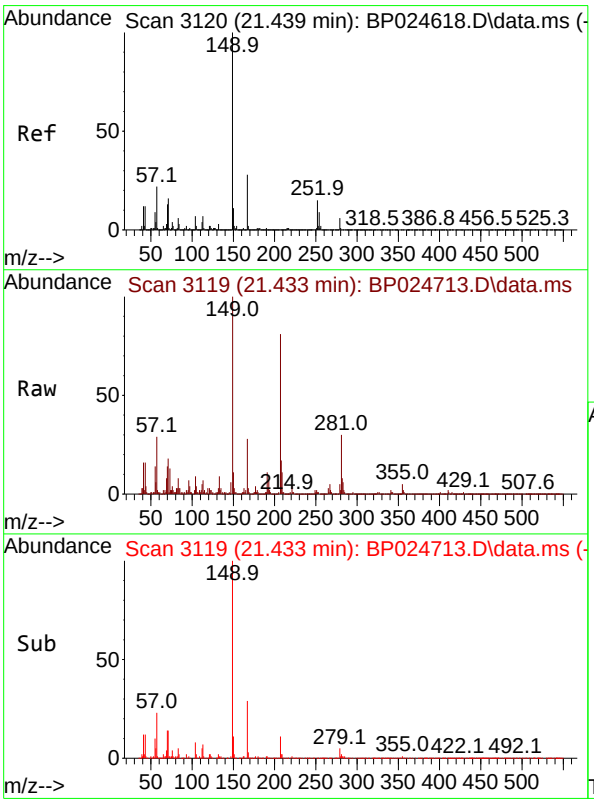
#79
Terphenyl-d14
Concen: 94.090 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion:244 Resp: 3812935

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	8.8	7.4	11.0

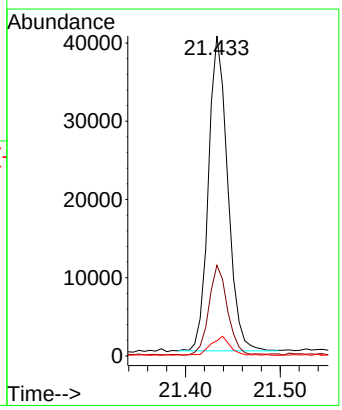


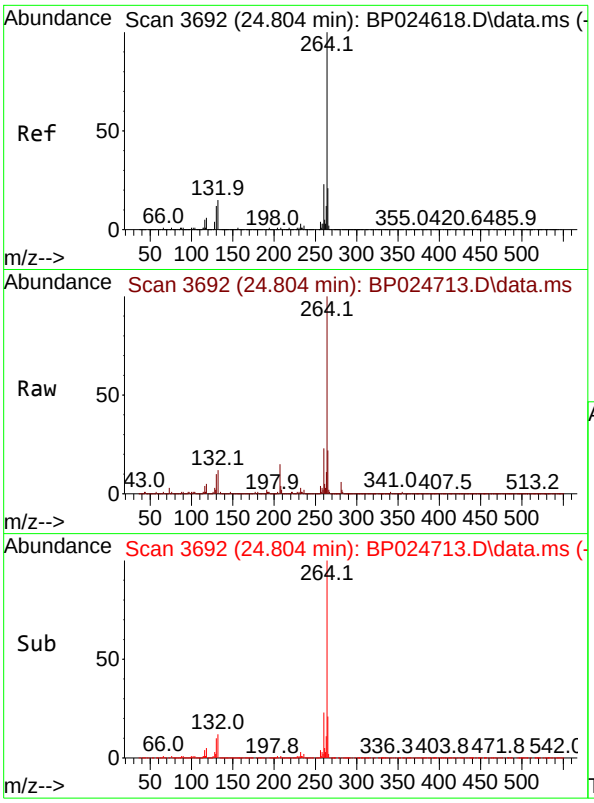


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.081 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:149 Resp: 56638

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.1	33.1
279	4.8	4.6	6.8



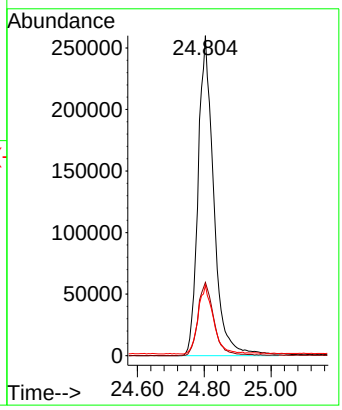


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Tgt Ion:264 Resp: 845393

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	22.0	17.0	25.6



Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024713.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.287	368	374	398	rBV	722536	1172203	11.54%	3.556%
2	6.863	635	642	665	rBV	316329	684911	6.74%	2.078%
3	7.657	769	777	786	rBV	413566	681976	6.71%	2.069%
4	8.798	965	971	1000	rVB	1091632	1816199	17.87%	5.509%
5	10.428	1240	1248	1262	rBV	503785	906495	8.92%	2.750%
6	12.898	1659	1668	1691	rBV	3240723	4966333	48.87%	15.065%
7	14.292	1895	1905	1923	rBV	780234	1334508	13.13%	4.048%
8	15.675	2133	2140	2154	rBV	181505	276973	2.73%	0.840%
9	15.804	2155	2162	2186	rBV	3162261	5284742	52.00%	16.031%
10	17.086	2373	2380	2394	rBV	963838	1555580	15.31%	4.719%
11	18.022	2534	2539	2547	rBV2	101856	185470	1.83%	0.563%
12	19.810	2837	2843	2854	rBV	8767874	10162000	100.00%	30.826%
13	21.433	3116	3119	3125	rVB	119597	158624	1.56%	0.481%
14	21.515	3128	3133	3148	rVV	1065010	1812100	17.83%	5.497%
15	24.804	3683	3692	3711	rVB	635478	1967357	19.36%	5.968%

Sum of corrected areas: 32965471

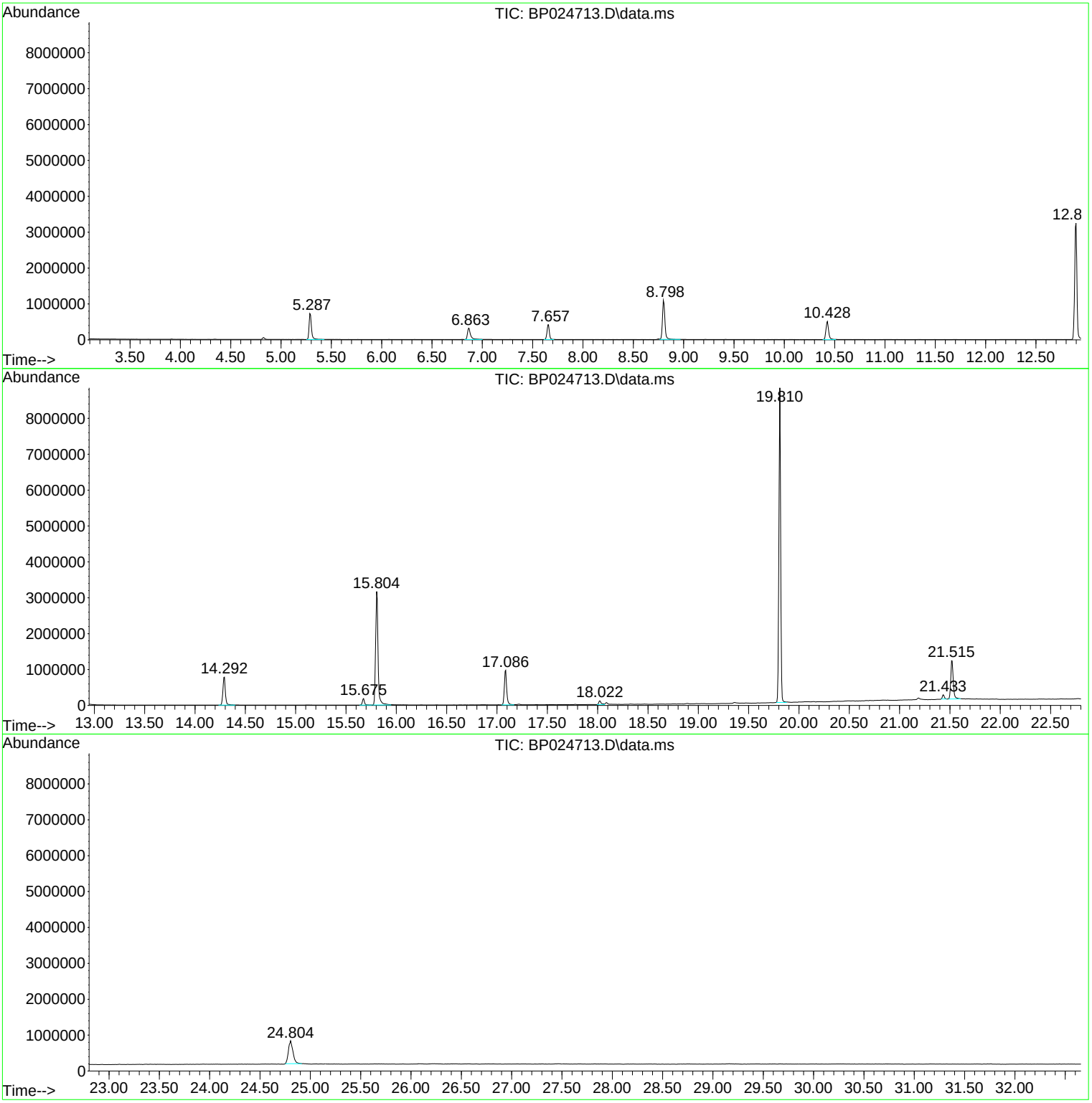
Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

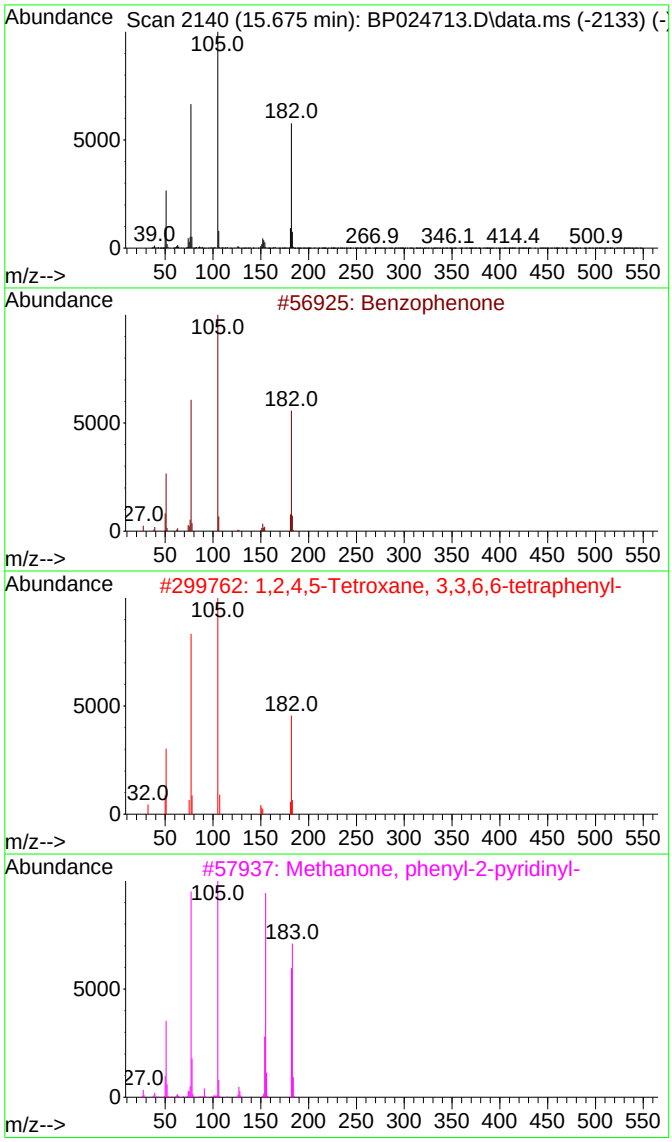
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

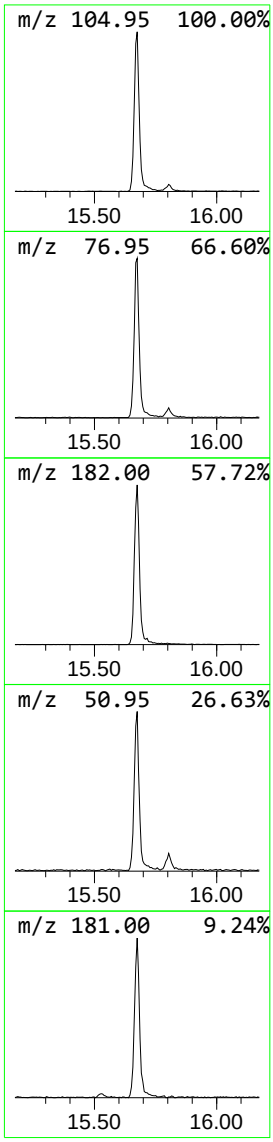
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	4.15 ng	276973	Acenaphthene-d10	14.292

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	Azobenzene	182	C12H10N2	000103-33-3	42
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

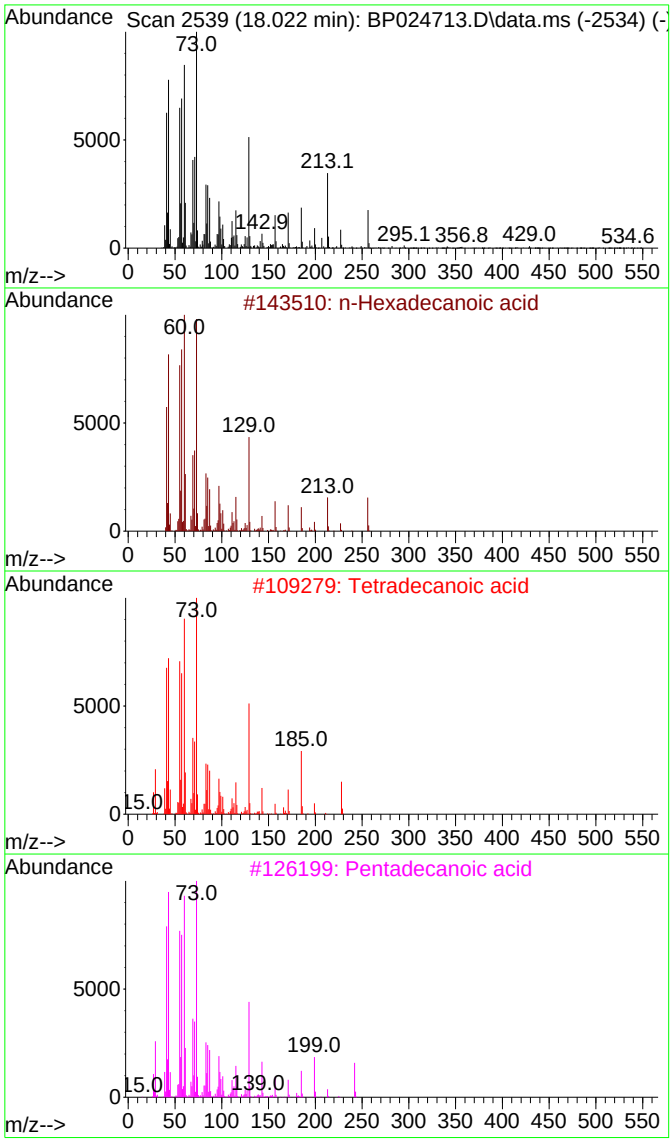
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

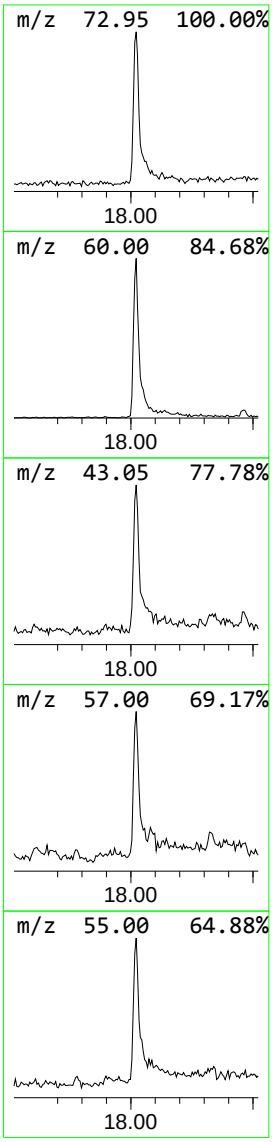
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.022	2.38 ng	185470	Phenanthrene-d10	17.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	Octadecanoic acid	284	C18H36O2	000057-11-4	74





Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.675	4.2	ng	276973	3	14.292	1334510	20.0
n-Hexadecanoic ...	18.022	2.4	ng	185470	4	17.086	1555580	20.0

Raw Data: **BP024714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Raw Data: **BP024714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Raw Data: **BP024714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	52.3		19 - 119		35%	SPK: 150
13127-88-3	Phenol-d6	28.7		10 - 130		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		44 - 120		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		44 - 119		70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		43 - 140		108%	SPK: 150
1718-51-0	Terphenyl-d14	97.0		50 - 134		97%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105000	7.657				
1146-65-2	Naphthalene-d8	406000	10.428				
15067-26-2	Acenaphthene-d10	295000	14.287				
1517-22-2	Phenanthrene-d10	589000	17.086				
1719-03-5	Chrysene-d12	654000	21.516				
1520-96-3	Perylene-d12	777000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000149-57-5	Hexanoic acid, 2-ethyl-	24.7	J			9.01	ug/L
65-85-0	Benzoic acid	14.6	J			9.79	ug/L
007779-31-9	2-Propenoic acid, 2-methyl-, 3,3,5	3.30	J			12.5	ug/L
000098-73-7	Benzoic acid, p-tert-butyl-	6.90	J			14.1	ug/L
000119-61-9	Benzophenone	3.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L
000629-97-0	Docosane	4.00	J			22.5	ug/L

Raw Data: **BP024714.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Sample Results: **BP024714.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	105097	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	405523	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	295391	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	588501	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	654045	20.000	ng	0.00
86) Perylene-d12	24.804	264	776769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	321274	52.285	ng	0.00
7) Phenol-d6	6.863	99	225266	28.724	ng	0.01
23) Nitrobenzene-d5	8.804	82	562144	70.041	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	807969	161.344	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1585933	70.340	ng	0.00
79) Terphenyl-d14	19.810	244	3701032	97.029	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.793	122	35905m	14.605	ng	

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

Sample Results: **BP024714.D**

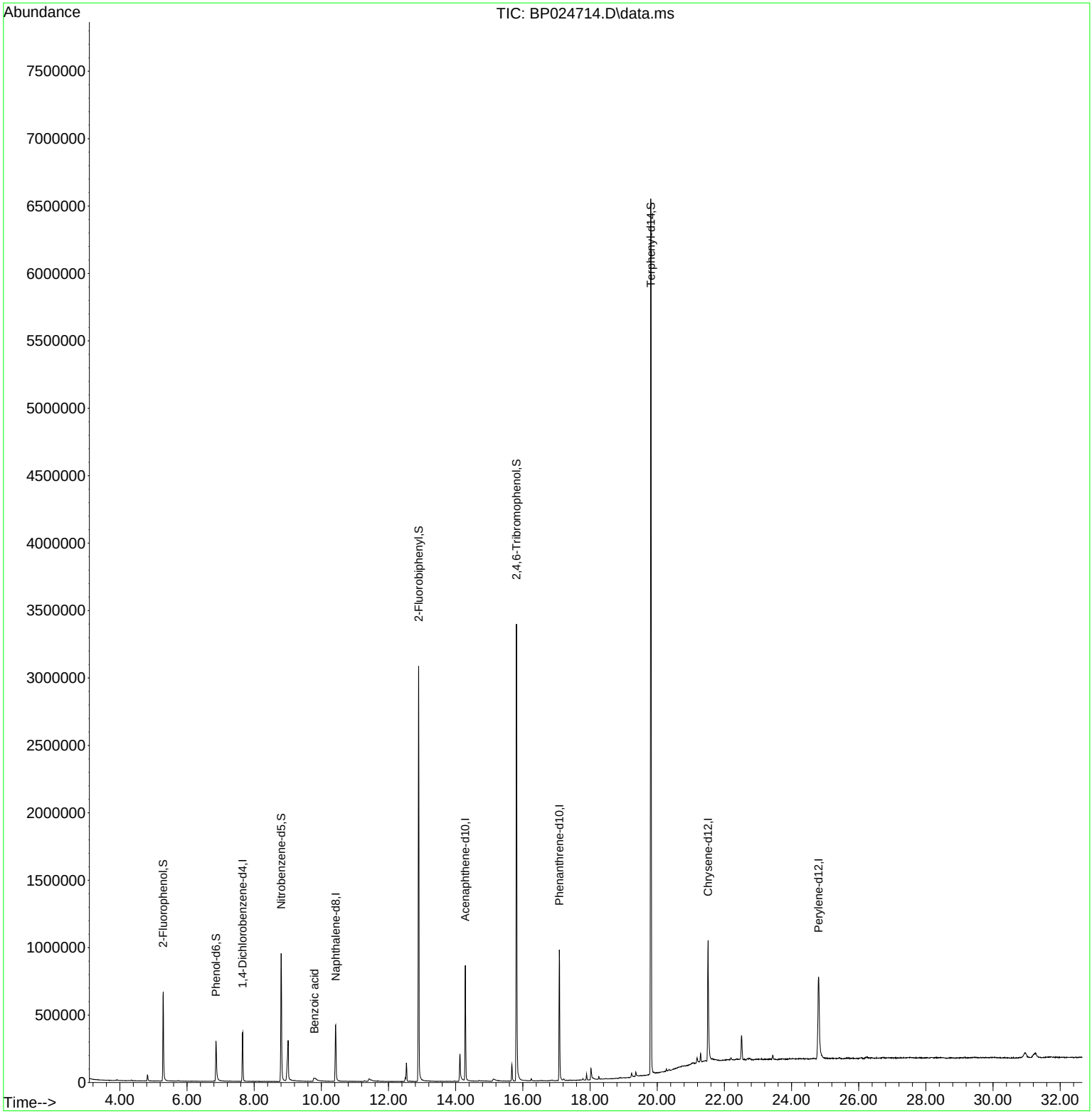
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

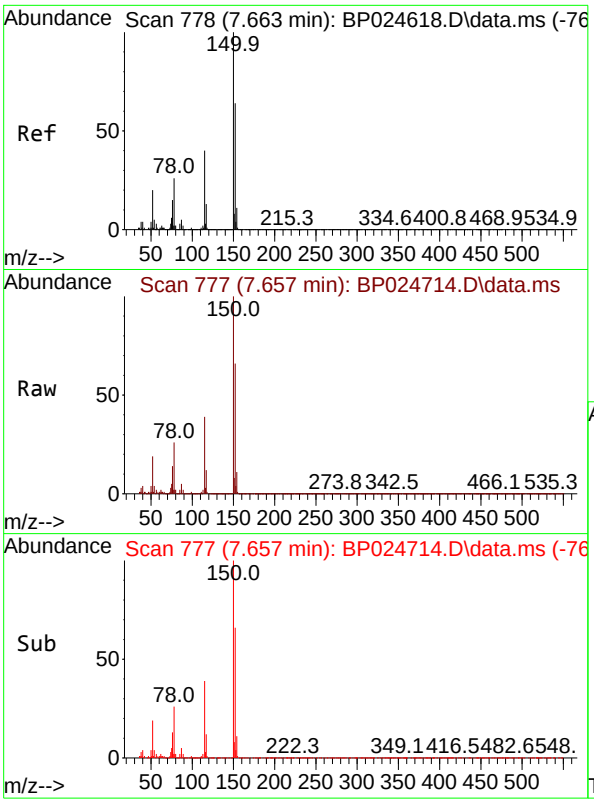
Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

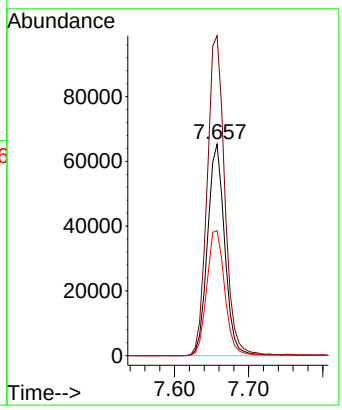




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:152 Resp: 10509

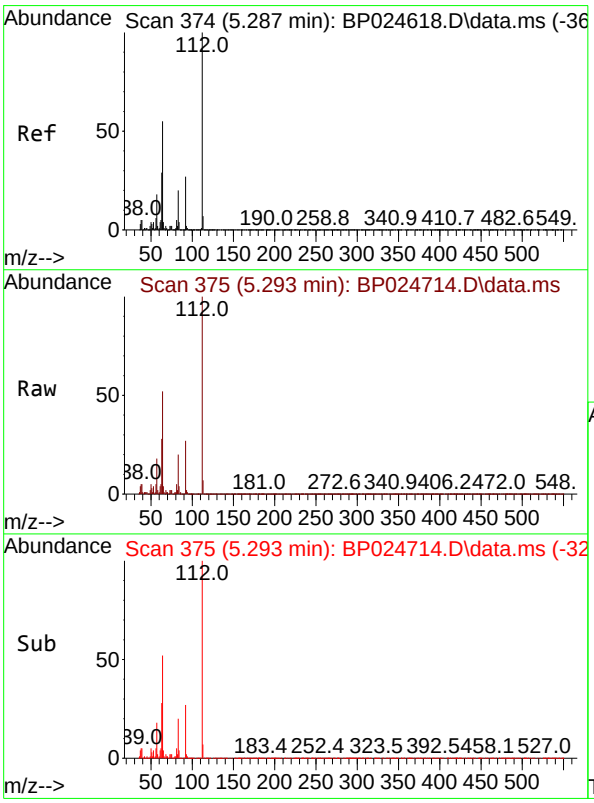
Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.9	188.9
115	59.0	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

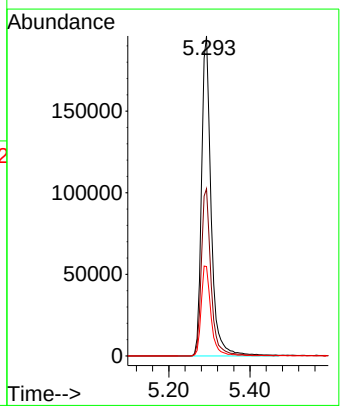
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

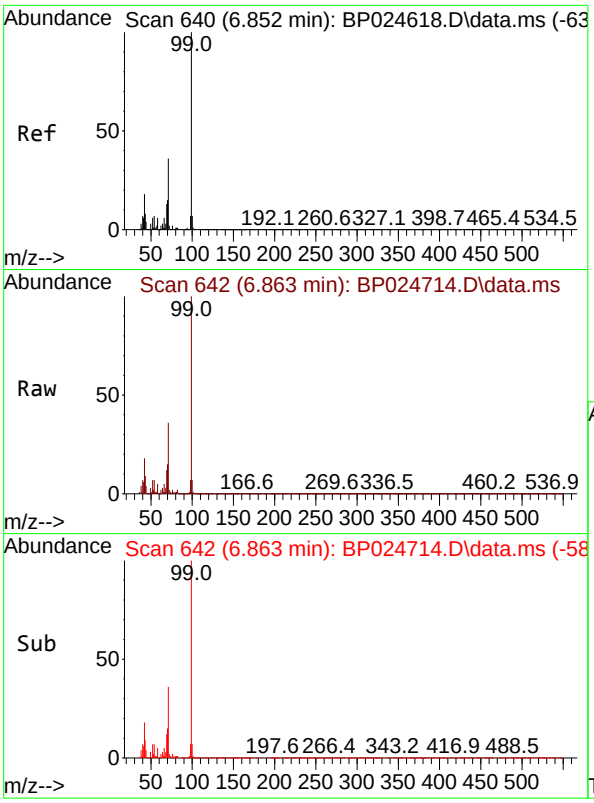


#5
2-Fluorophenol
Concen: 52.285 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:112 Resp: 321274

Ion	Ratio	Lower	Upper
112	100		
64	52.3	44.1	66.1
63	28.0	23.5	35.3

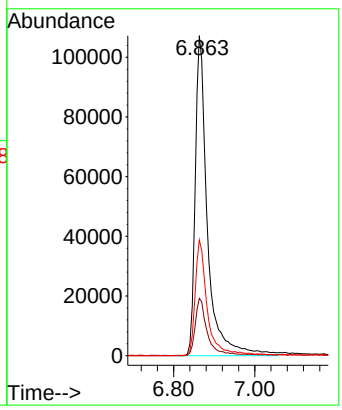




#7
Phenol-d6
Concen: 28.724 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion: 99 Resp: 22526

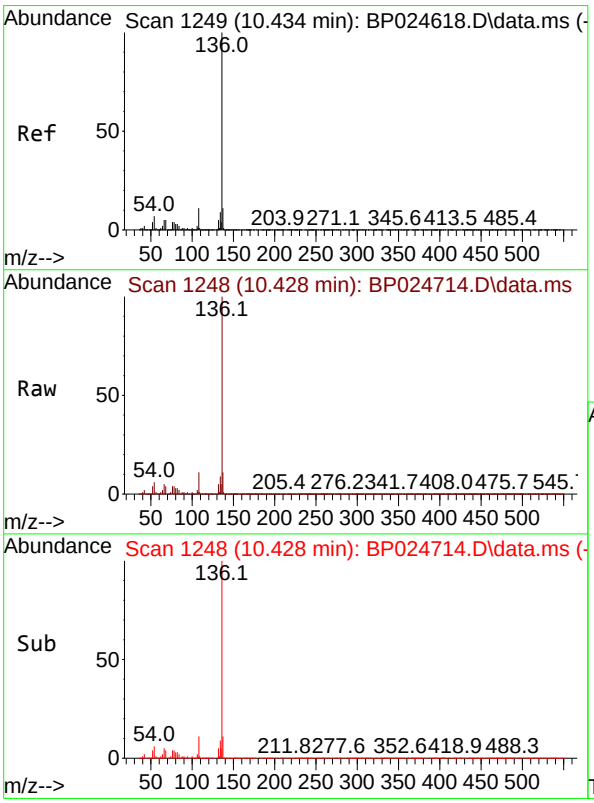
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.4	21.6
71	36.1	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

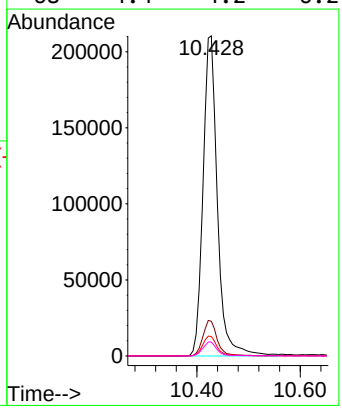
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

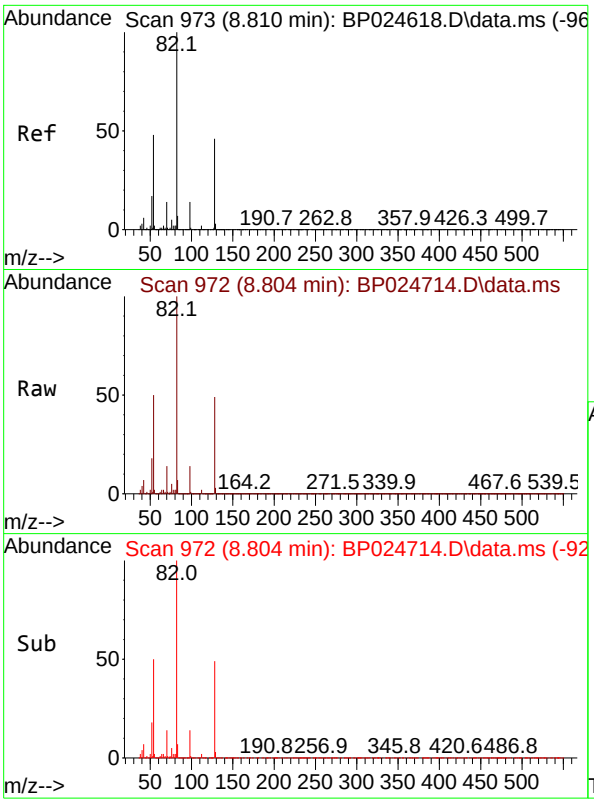


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:136 Resp: 405523

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.1	5.5	8.3
68	4.4	4.2	6.2

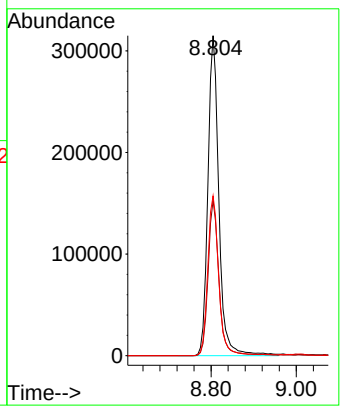




#23
Nitrobenzene-d5
Concen: 70.041 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion: 82 Resp: 56214

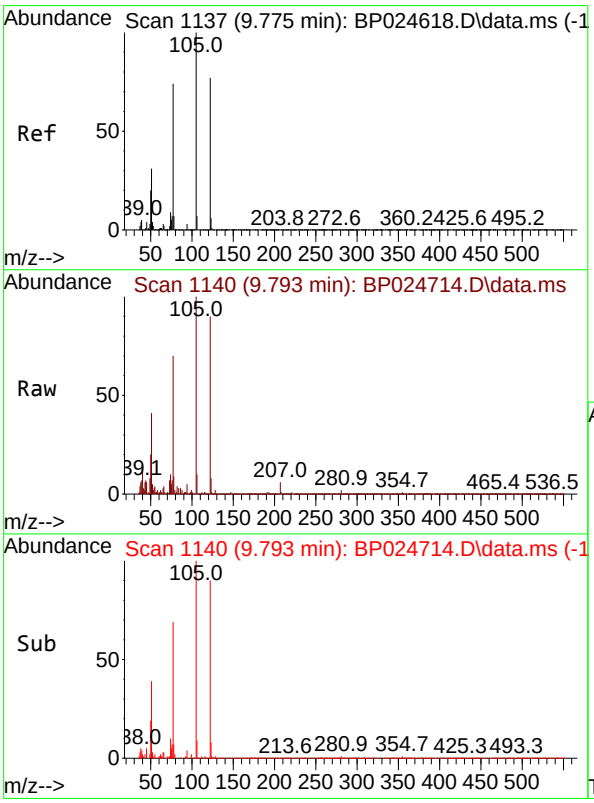
Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.0	55.4
54	50.0	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

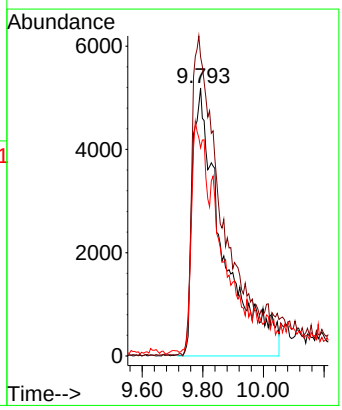
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

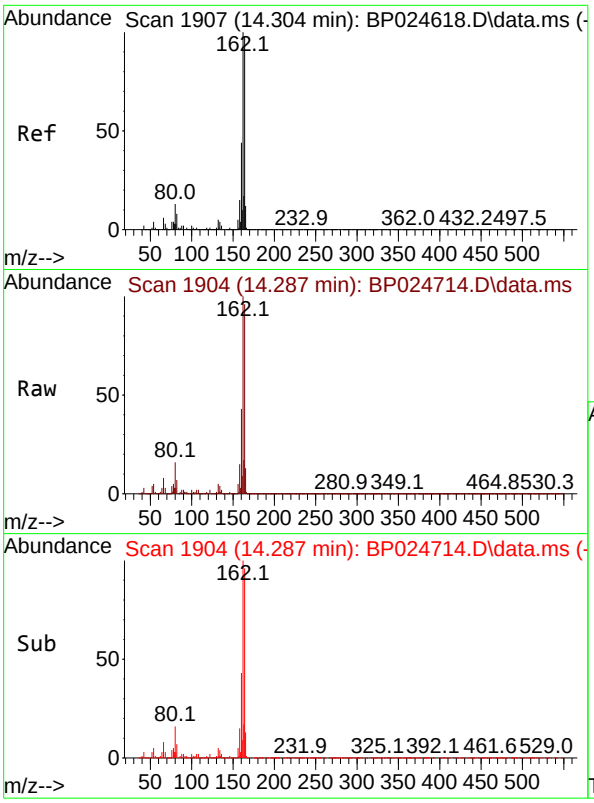


#32
Benzoic acid
Concen: 14.605 ng m
RT: 9.793 min Scan# 1140
Delta R.T. 0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:122 Resp: 35905

Ion	Ratio	Lower	Upper
122	100		
105	111.6	106.9	146.9
77	77.7	75.1	115.1

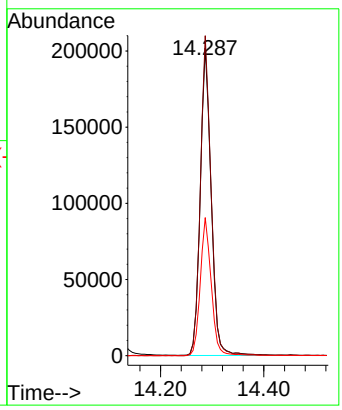




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:164 Resp: 29539

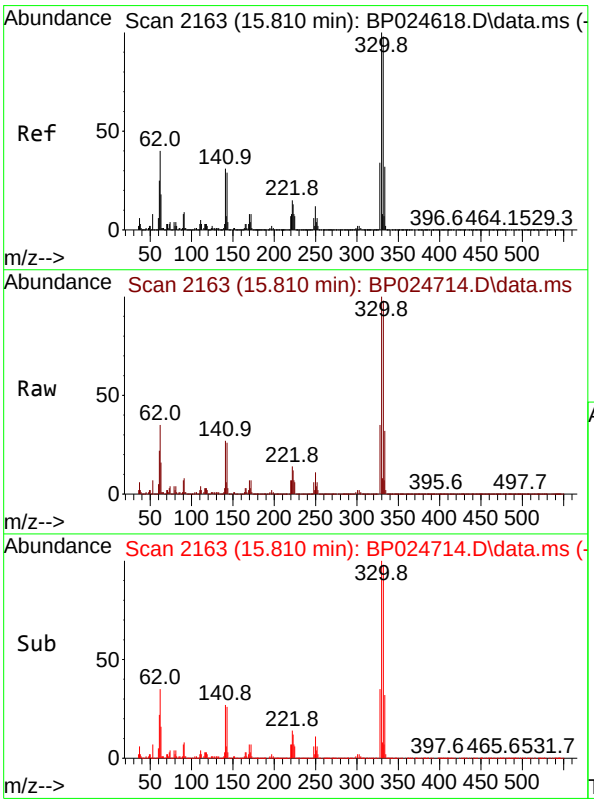
Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.8	122.6
160	44.9	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

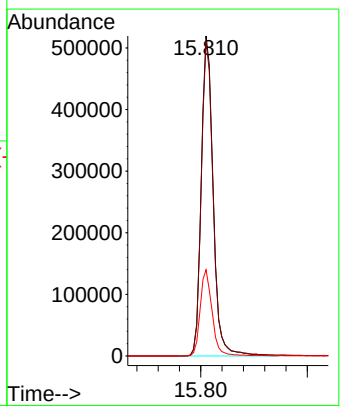
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

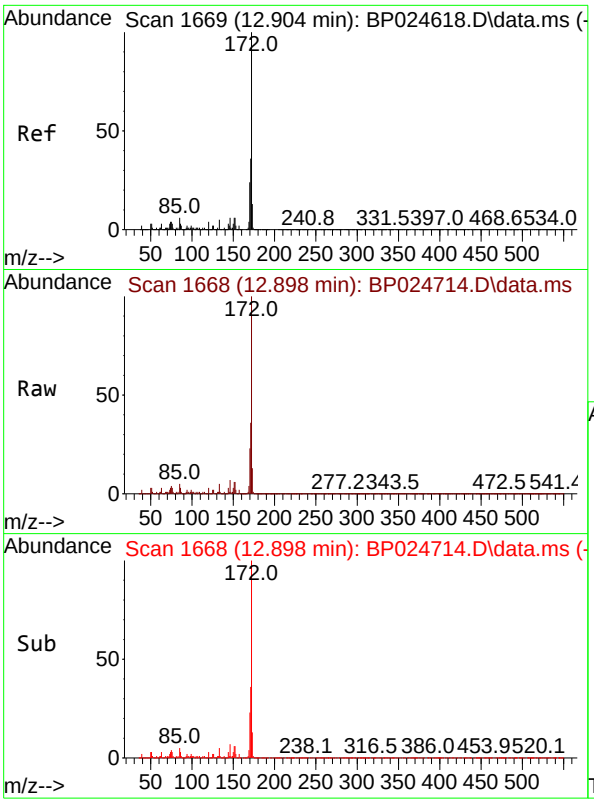


#42
2,4,6-Tribromophenol
Concen: 161.344 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:330 Resp: 807969

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	26.9	24.3	36.5

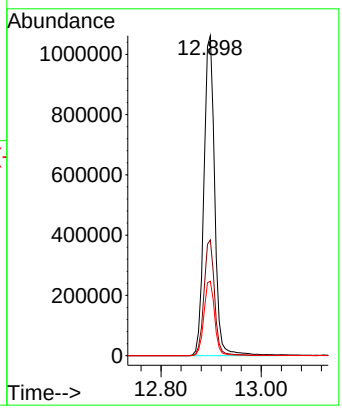




#45
2-Fluorobiphenyl
Concen: 70.340 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:172 Resp: 158593

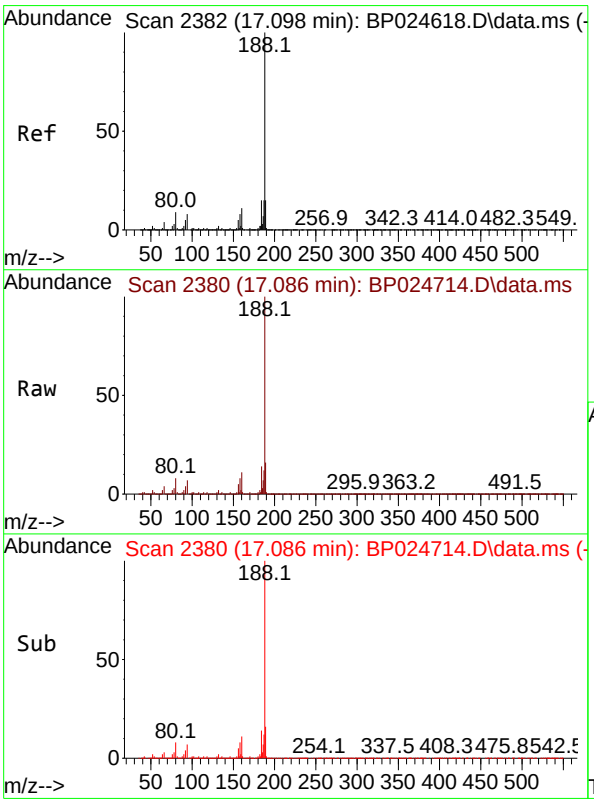
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	23.2	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

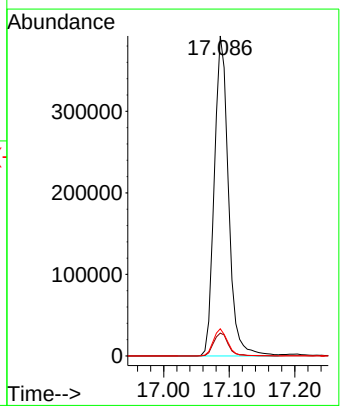
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

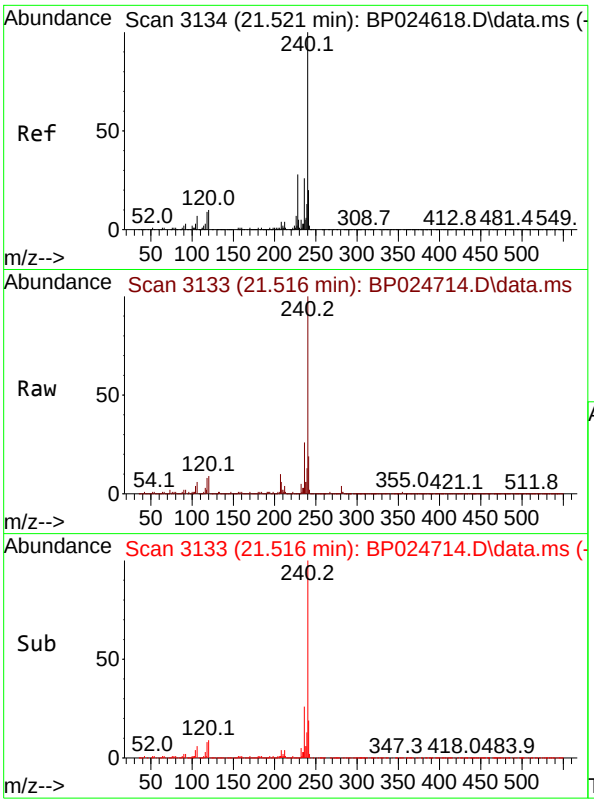


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:188 Resp: 588501

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.5	9.7
80	8.5	7.3	10.9

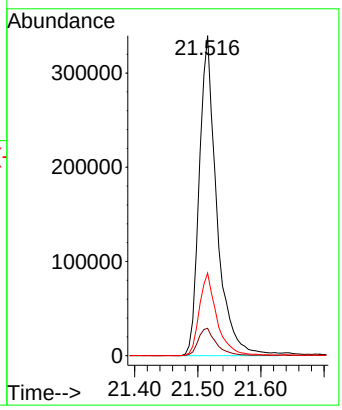




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:240 Resp: 65404

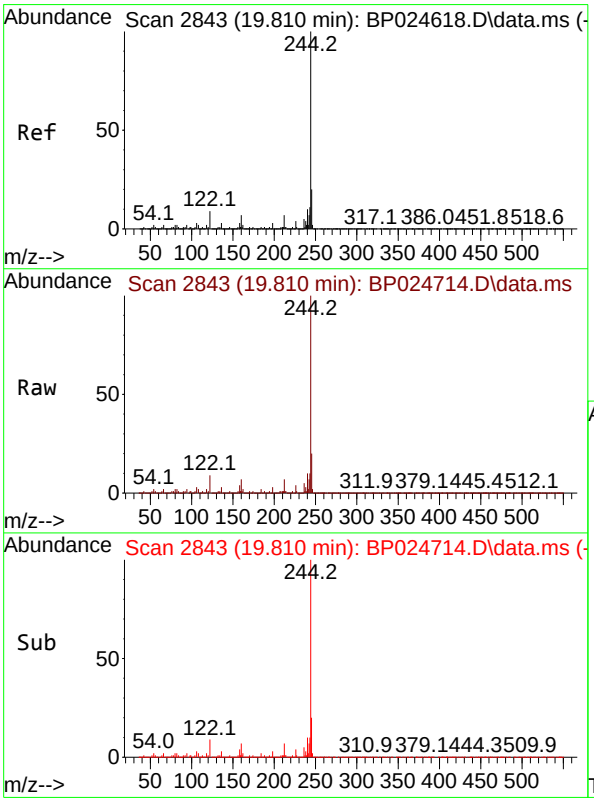
Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.8	11.6
236	25.8	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations
APPROVED

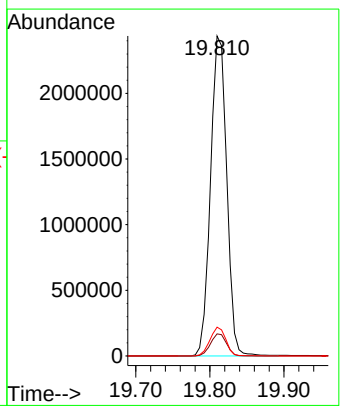
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

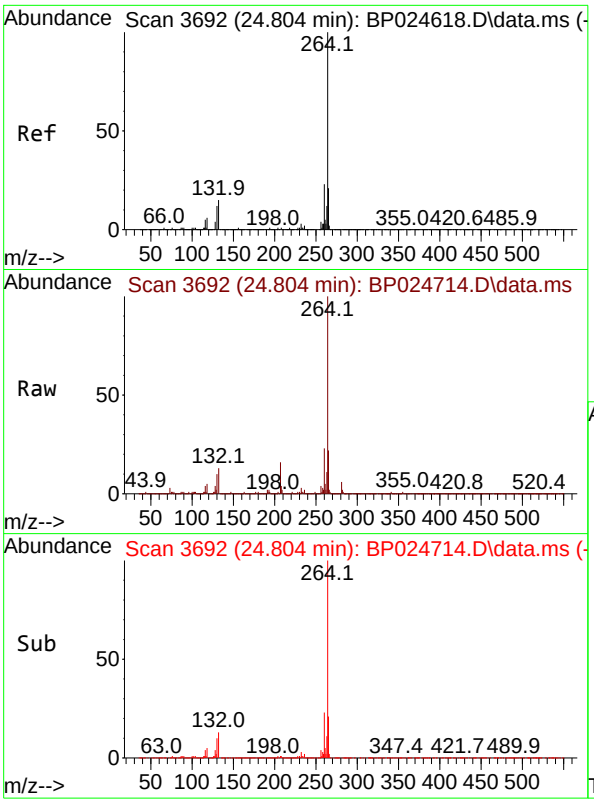


#79
Terphenyl-d14
Concen: 97.029 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:244 Resp: 3701032

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.0	7.4	11.0

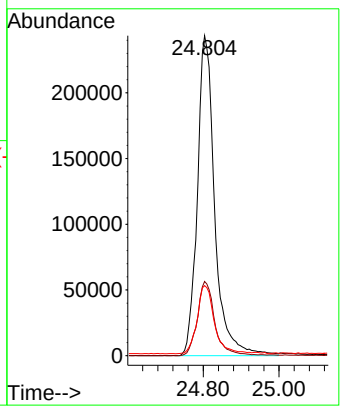




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:264 Resp: 776769

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.9	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

Sample Results: **BP024714.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024714.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	368	375	392	rBV	661625	1090680	11.08%	3.302%
2	6.863	636	642	665	rBV	298151	624286	6.34%	1.890%
3	7.657	770	777	787	rBV	363278	603112	6.13%	1.826%
4	8.804	961	972	994	rBV	949301	1708368	17.36%	5.172%
5	9.010	994	1007	1019	rBV	298044	744630	7.57%	2.254%
6	10.428	1237	1248	1268	rBV	418614	815396	8.29%	2.469%
7	12.534	1602	1606	1614	rVB	136836	204018	2.07%	0.618%
8	12.898	1659	1668	1686	rBV	3078965	4623250	46.98%	13.997%
9	14.128	1869	1877	1889	rBV	202305	423562	4.30%	1.282%
10	14.287	1898	1904	1913	rBV	850300	1224480	12.44%	3.707%
11	15.675	2134	2140	2153	rBV	122727	196372	2.00%	0.595%
12	15.810	2156	2163	2184	rBV	3389178	5259124	53.44%	15.922%
13	17.086	2374	2380	2394	rBV	971634	1483661	15.08%	4.492%
14	18.027	2535	2540	2549	rBV2	84208	178247	1.81%	0.540%
15	19.810	2837	2843	2855	rBV	6493538	9841657	100.00%	29.796%
16	21.516	3127	3133	3150	rBV	891959	1762809	17.91%	5.337%
17	22.510	3297	3302	3309	rVB	175638	349532	3.55%	1.058%
18	24.804	3683	3692	3716	rVB	598665	1896563	19.27%	5.742%

Sum of corrected areas: 33029747

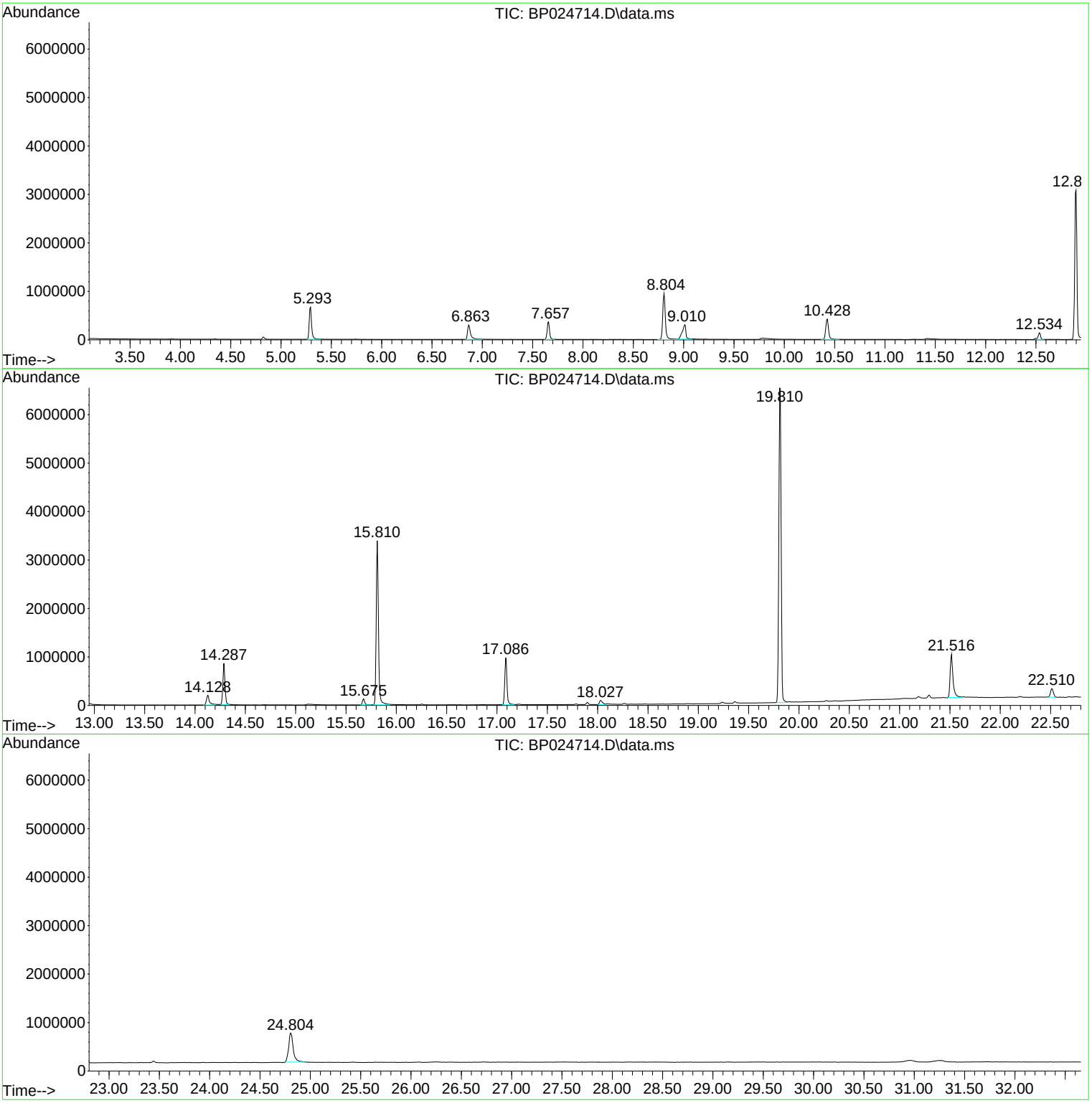
Sample Results: **BP024714.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

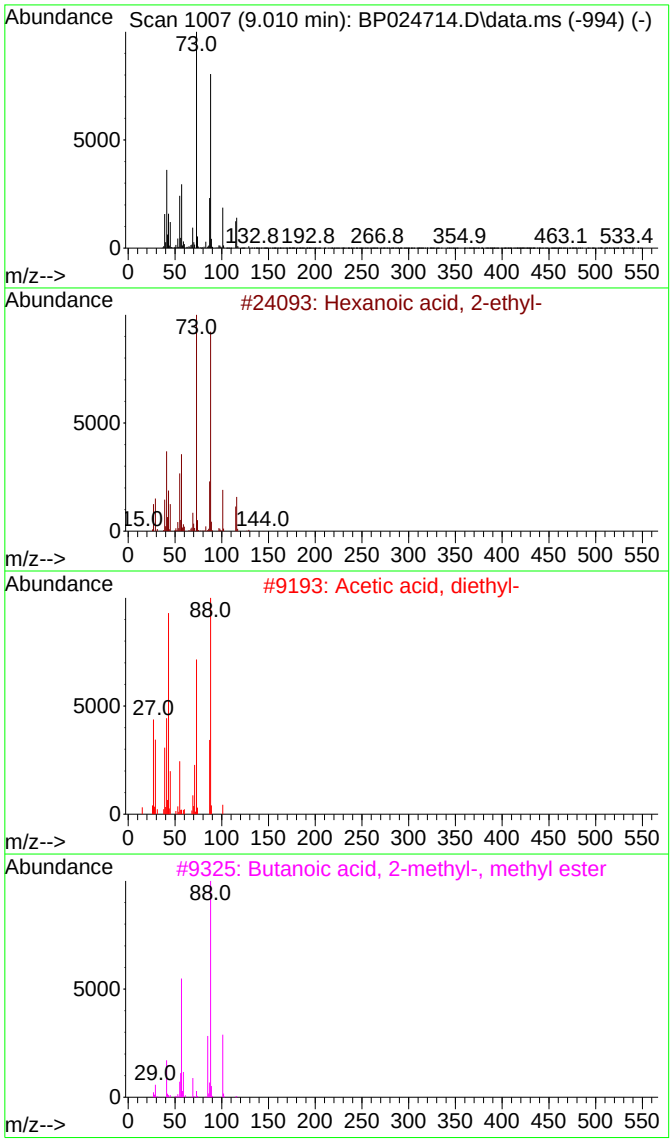
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

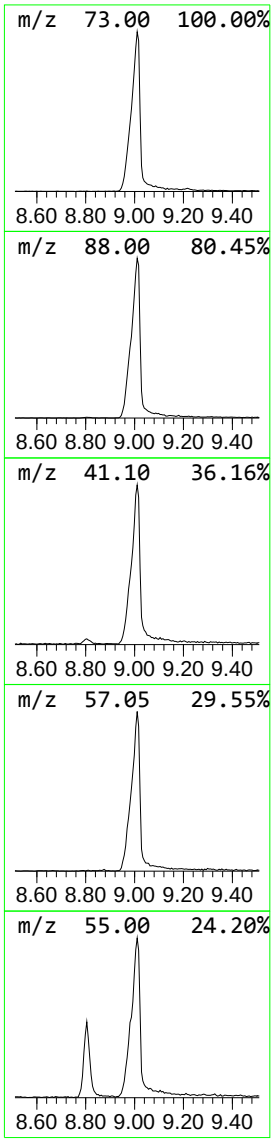
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.010	24.69 ng	744630	1,4-Dichlorobenzene-d4	7.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	91
2	Acetic acid, diethyl-	116	C6H12O2	000088-09-5	59
3	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	50
4	1,4-Dioxane	88	C4H8O2	000123-91-1	47
5	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

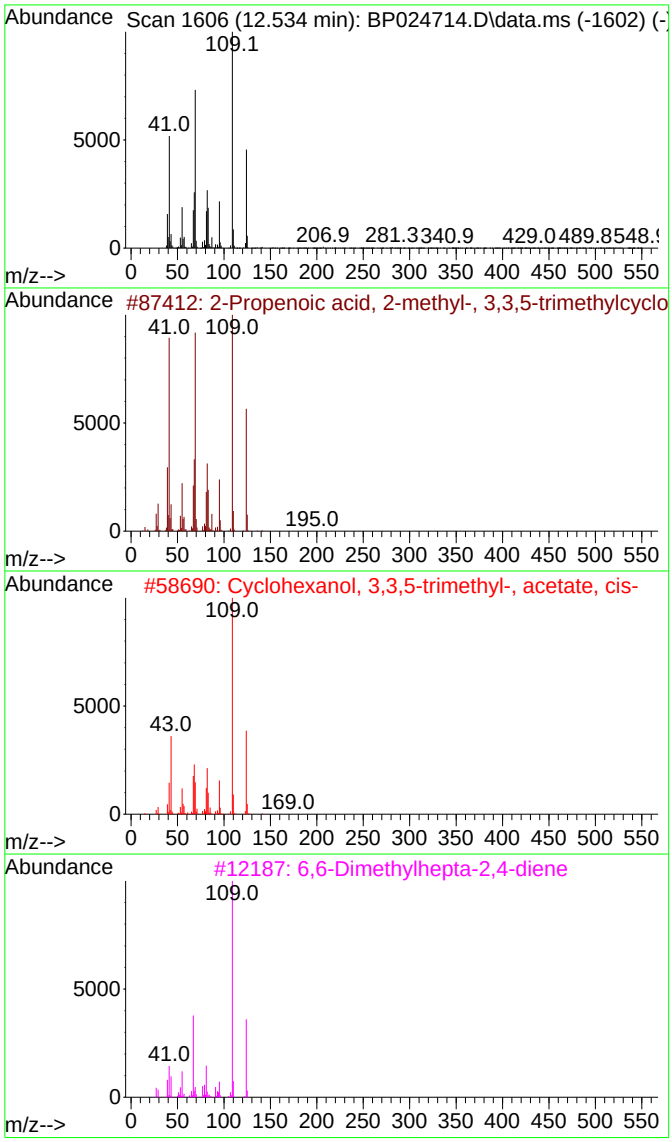
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

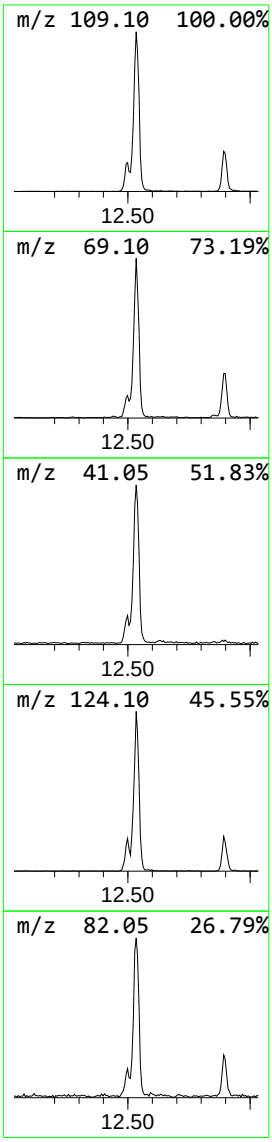
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Propenoic acid, 2-methyl-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.534	3.33 ng	204018	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, 3,3...	210	C13H22O2	007779-31-9	64
2	Cyclohexanol, 3,3,5-trimethyl-, ...	184	C11H20O2	024691-16-5	58
3	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	43
4	3,3,5-Trimethylcyclohexyl butyrate	212	C13H24O2	1000430-81-6	38
5	2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

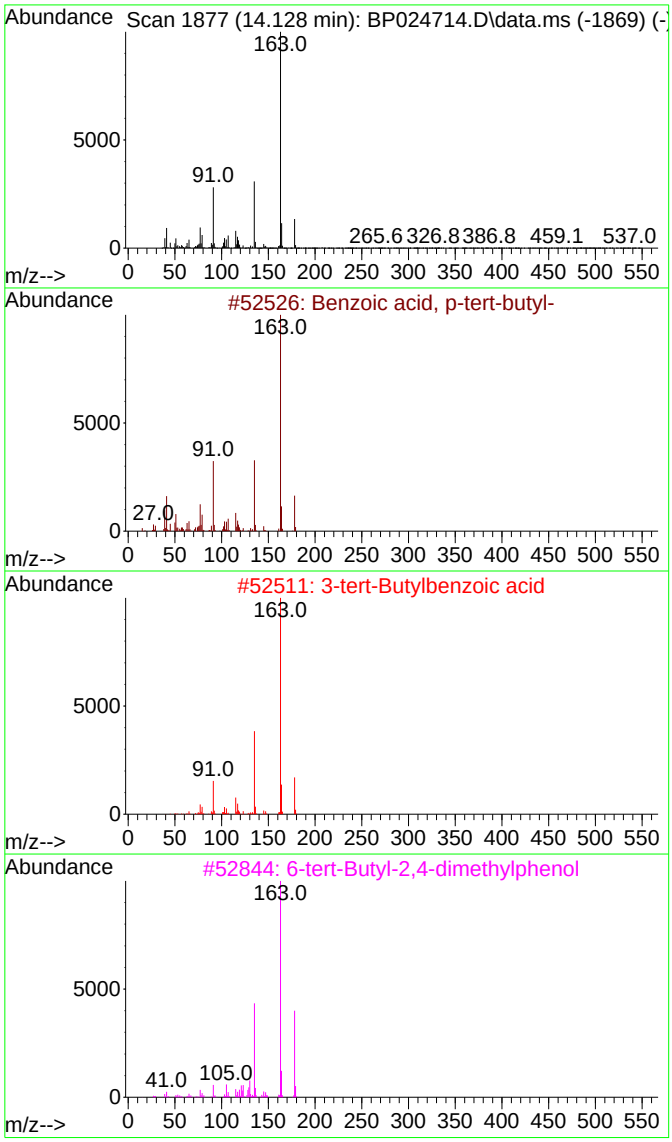
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

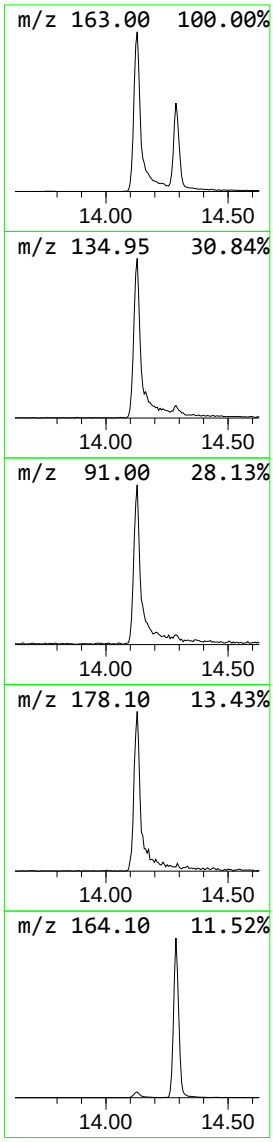
****

Peak Number 3 Benzoic acid, p-tert-butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.128	6.92 ng	423562	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	96
2	3-tert-Butylbenzoic acid	178	C11H14O2	007498-54-6	93
3	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	64
4	Benzaldehyde, 5-(1,1-dimethyleth...	178	C11H14O2	002725-53-3	64
5	Benzoic acid, 4-acetyl-, methyl ...	178	C10H10O3	003609-53-8	59





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Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

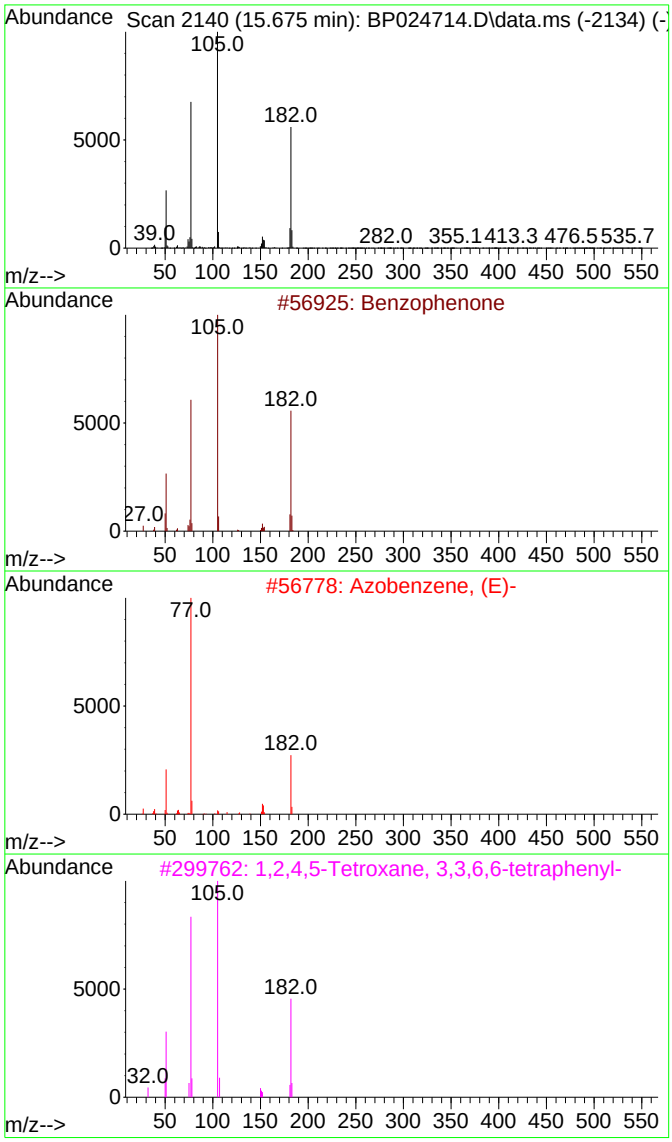
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

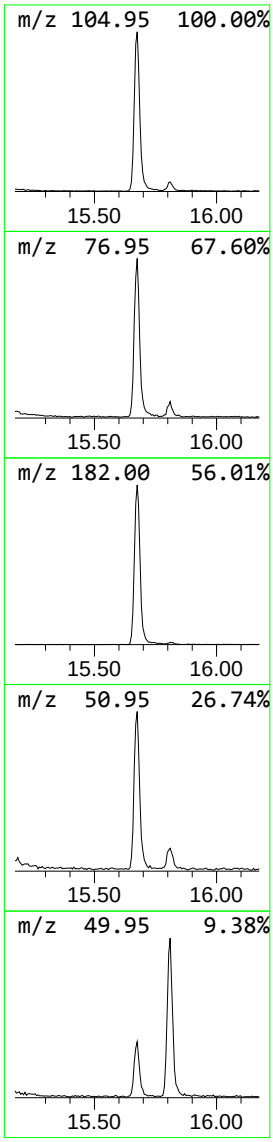
****

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	3.21 ng	196372	Acenaphthene-d10	14.287

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	64
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	59
5	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

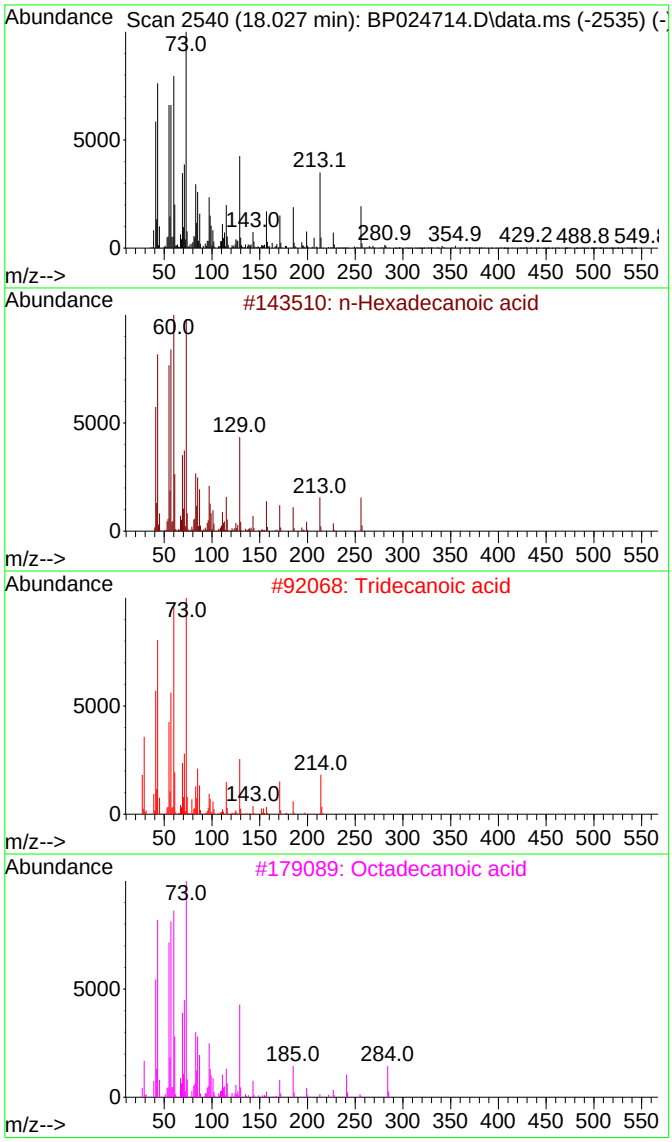
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

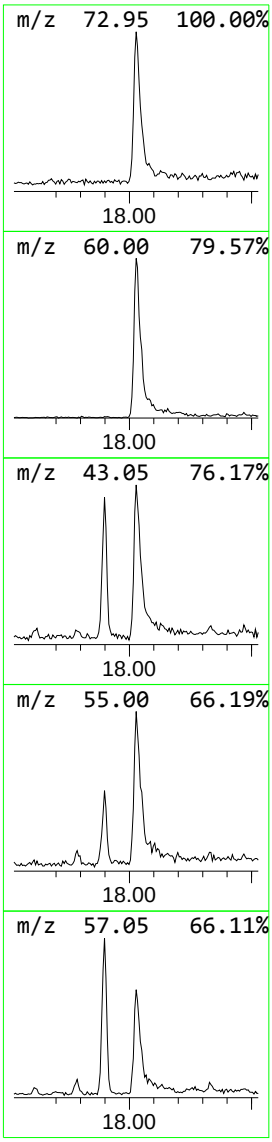
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.028	2.40 ng	178247	Phenanthrene-d10	17.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

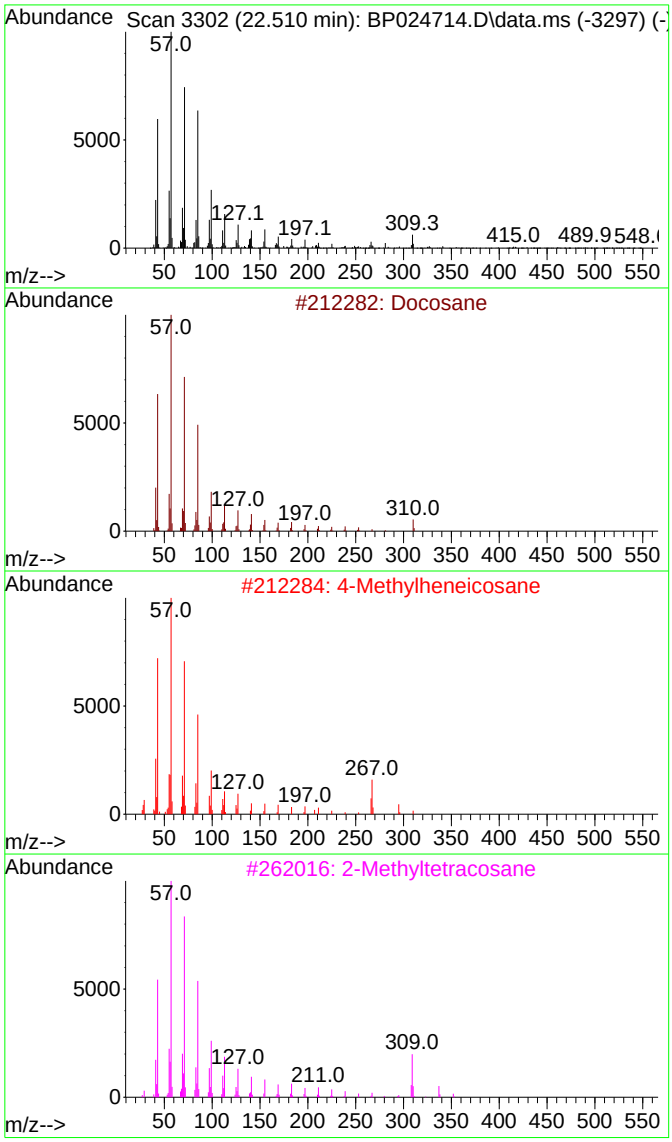
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

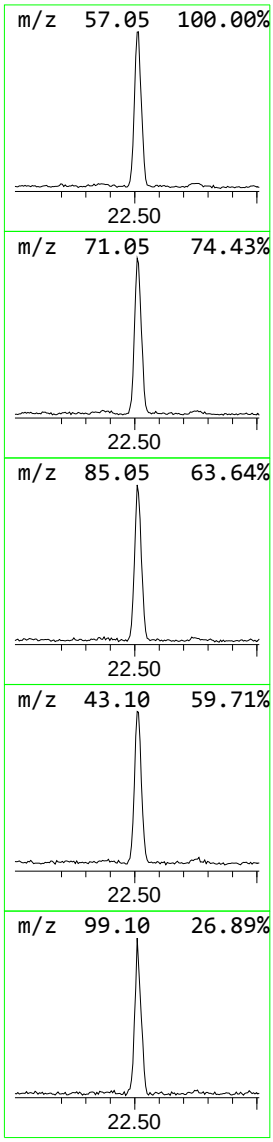
****

Peak Number 6 Docosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.510	3.97 ng	349532	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	93
2	4-Methylheneicosane	310	C22H46	025117-29-7	93
3	2-Methyltetracosane	352	C25H52	001560-78-7	91
4	Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	91
5	Octacosane, 1-iodo-	520	C28H57I	1000406-32-2	91





Sample Results: **BP024714.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexanoic acid, ...	9.010	24.7	ng	744630	1	7.657	603112	20.0
2-Propenoic aci...	12.534	3.3	ng	204018	3	14.287	1224480	20.0
Benzoic acid, p...	14.128	6.9	ng	423562	3	14.287	1224480	20.0
Benzophenone	15.675	3.2	ng	196372	3	14.287	1224480	20.0
n-Hexadecanoic ...	18.028	2.4	ng	178247	4	17.086	1483660	20.0
Docosane	22.510	4.0	ng	349532	5	21.515	1762810	20.0

Raw Data: **BP024715.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Raw Data: **BP024715.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Raw Data: **BP024715.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	48.5		19 - 119		32%	SPK: 150
13127-88-3	Phenol-d6	26.5		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.0		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		44 - 119		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		50 - 134		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122000	7.658				
1146-65-2	Naphthalene-d8	472000	10.422				
15067-26-2	Acenaphthene-d10	309000	14.281				
1517-22-2	Phenanthrene-d10	630000	17.086				
1719-03-5	Chrysene-d12	689000	21.516				
1520-96-3	Perylene-d12	813000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	3.10	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.70	J			18.0	ug/L

Alliance TECHNICAL GROUP

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Time: May 21 01:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

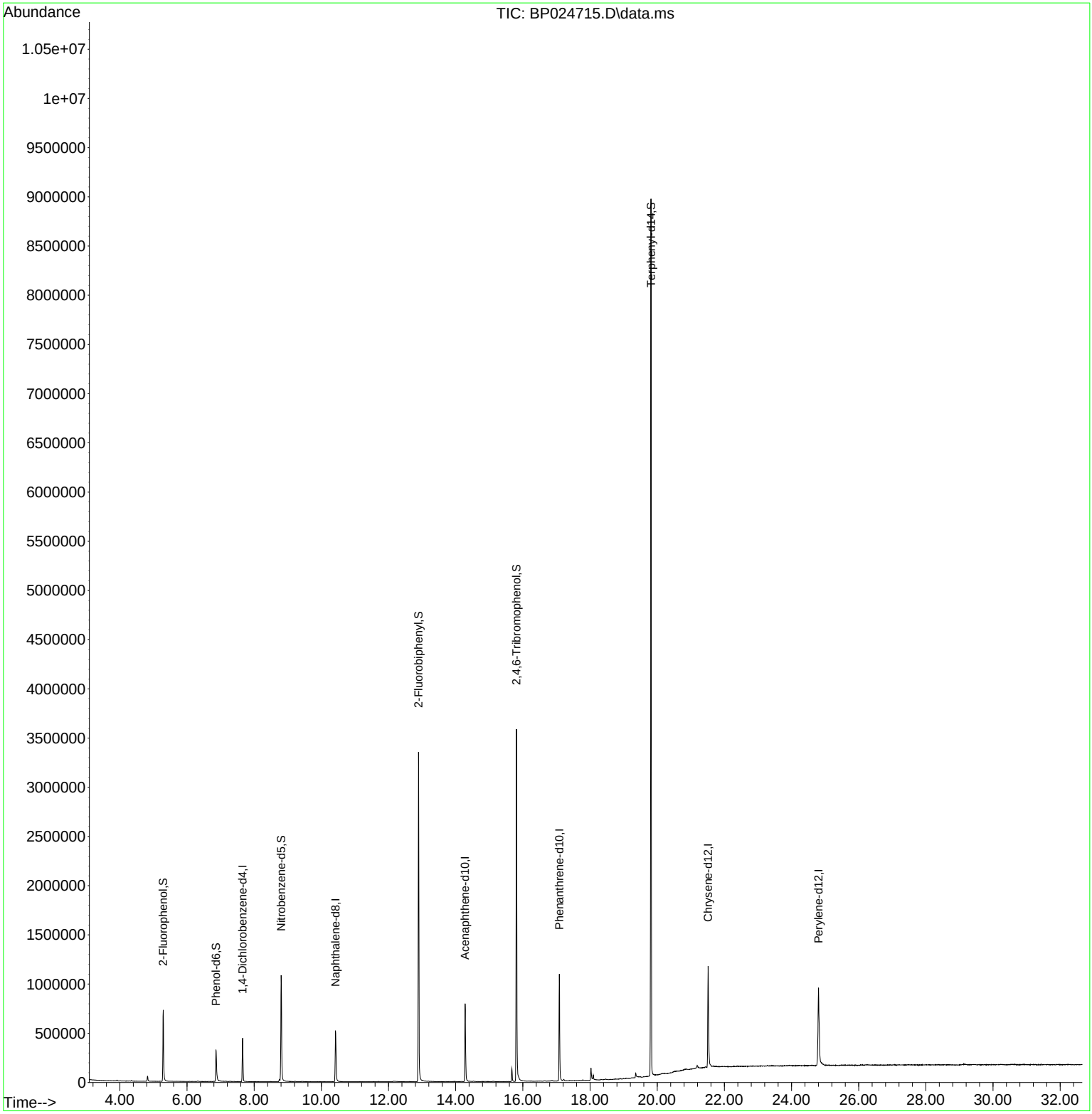
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	121733	20.000	ng	0.00
21) Naphthalene-d8	10.422	136	471667	20.000	ng	-0.01
39) Acenaphthene-d10	14.281	164	308901	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	630051	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	688875	20.000	ng	0.00
86) Perylene-d12	24.804	264	813486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	345450	48.536	ng	0.00
7) Phenol-d6	6.863	99	240629	26.490	ng	0.01
23) Nitrobenzene-d5	8.805	82	625798	67.037	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	833720	159.205	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1691360	71.735	ng	-0.01
79) Terphenyl-d14	19.816	244	3841045	95.608	ng	0.00
Target Compounds						Qvalue

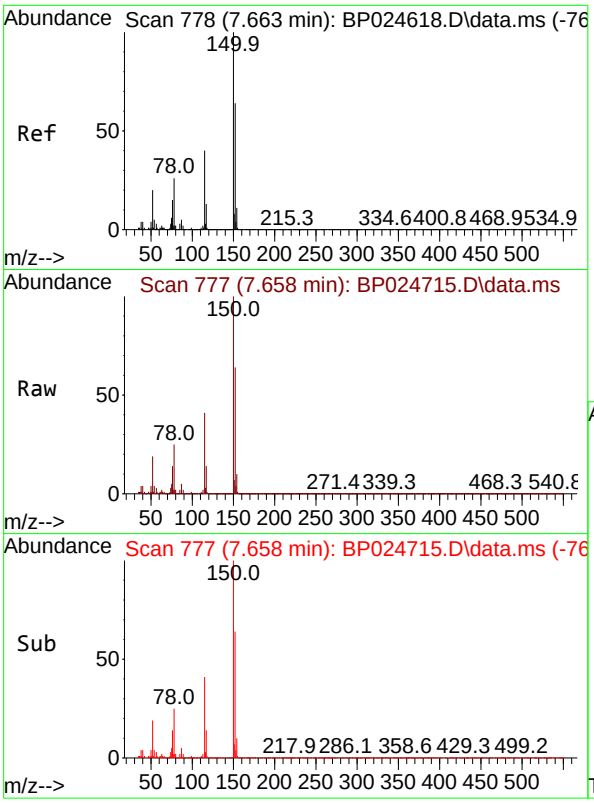
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Time: May 21 01:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



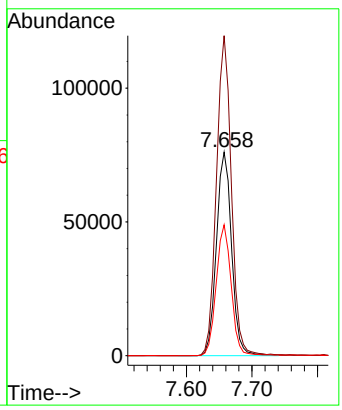


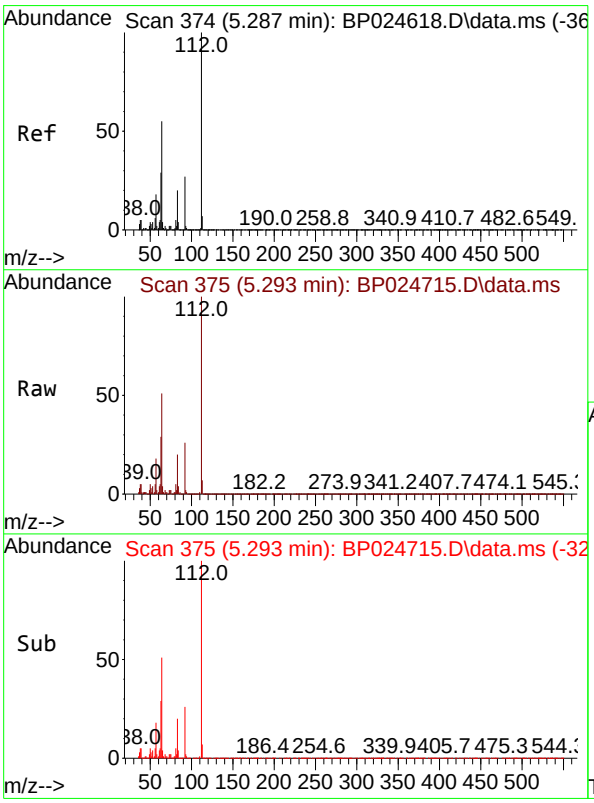
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion:152 Resp: 121733

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	64.3	50.1	75.1

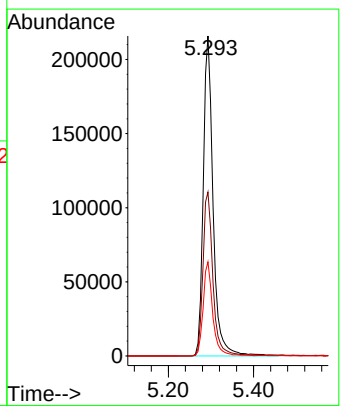


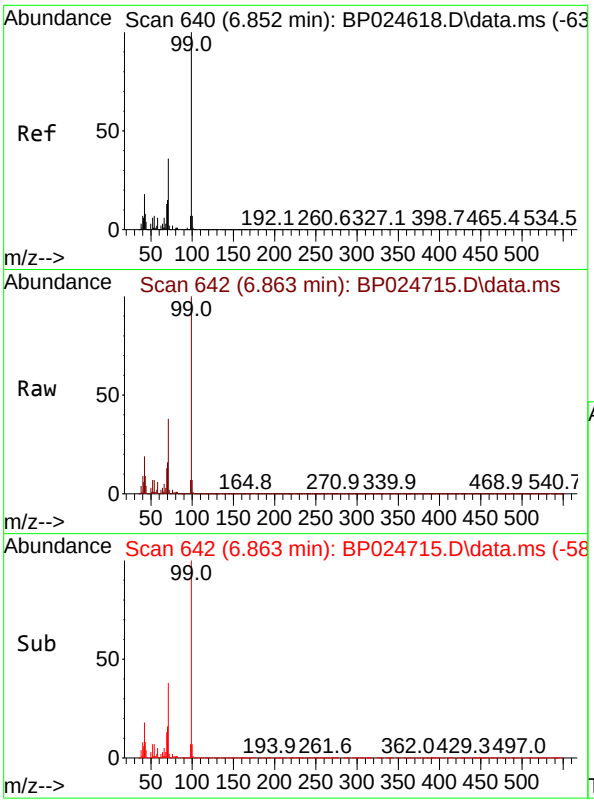


#5
2-Fluorophenol
Concen: 48.536 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:112 Resp: 345450

Ion	Ratio	Lower	Upper
112	100		
64	51.2	44.1	66.1
63	29.4	23.5	35.3



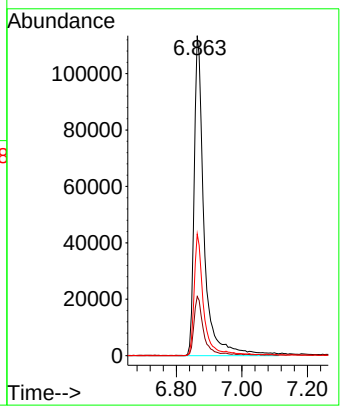


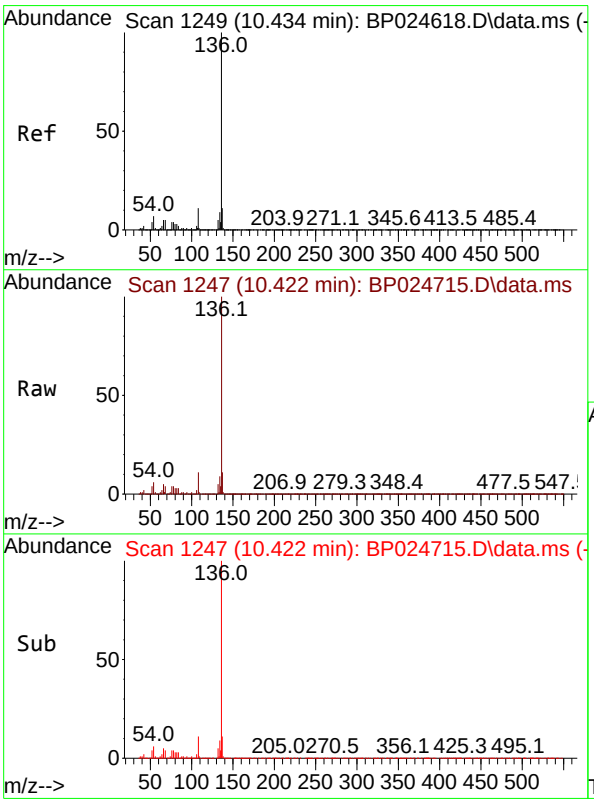
#7
Phenol-d6
Concen: 26.490 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion: 99 Resp: 240629

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.4	21.6
71	38.0	29.2	43.8

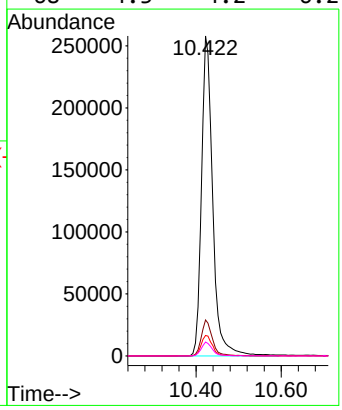


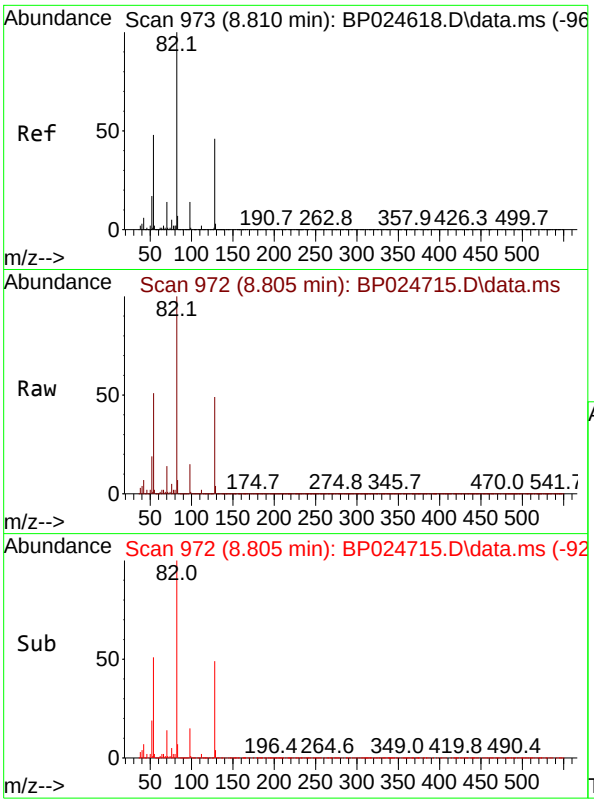


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:136 Resp: 471667

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.4	5.5	8.3
68	4.3	4.2	6.2



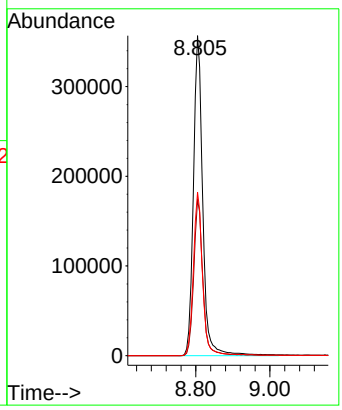


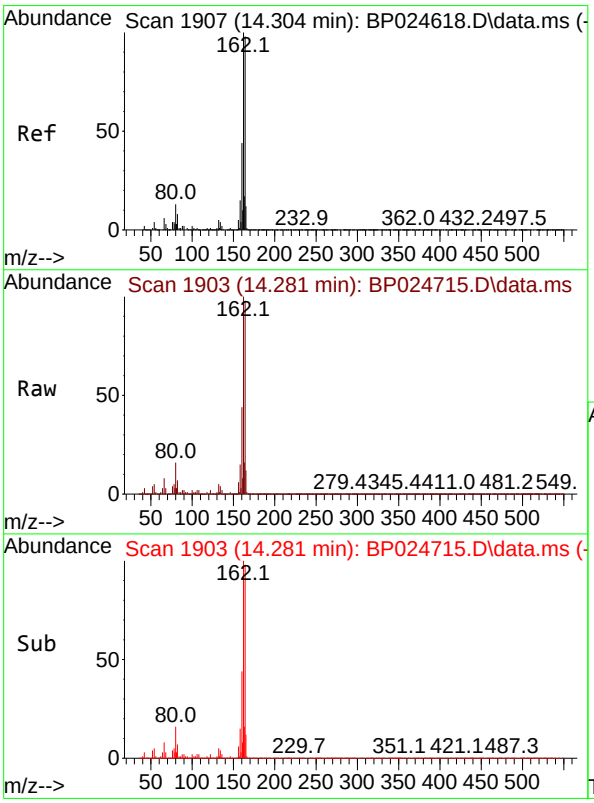
#23
Nitrobenzene-d5
Concen: 67.037 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion: 82 Resp: 625798

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.0	55.4
54	51.1	38.7	58.1

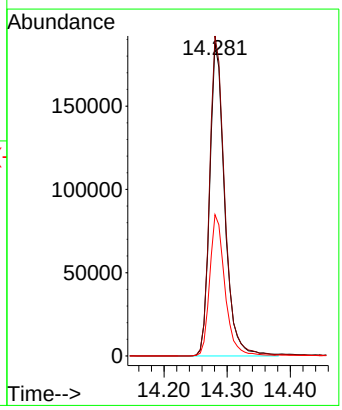


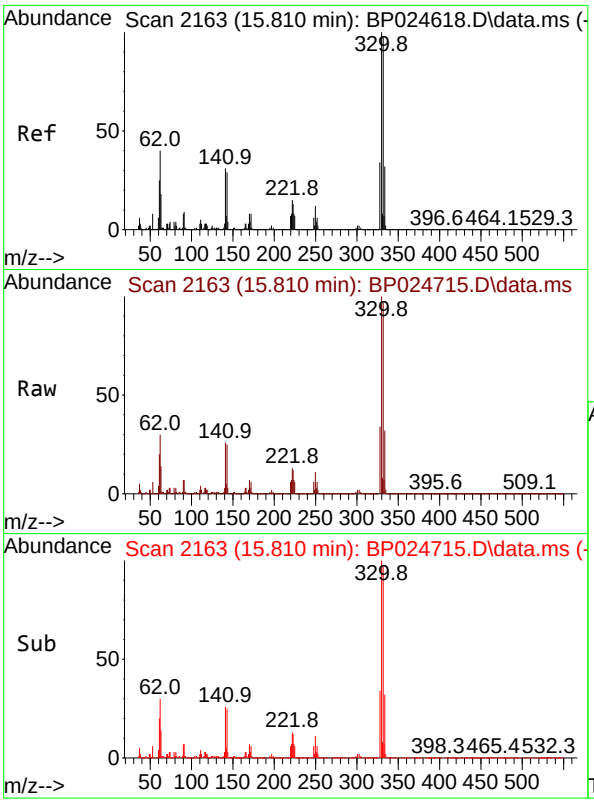


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.024 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:164 Resp: 308901

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	45.2	36.3	54.5



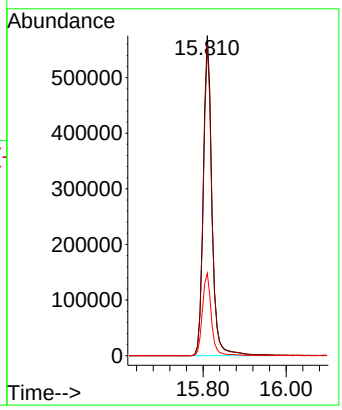


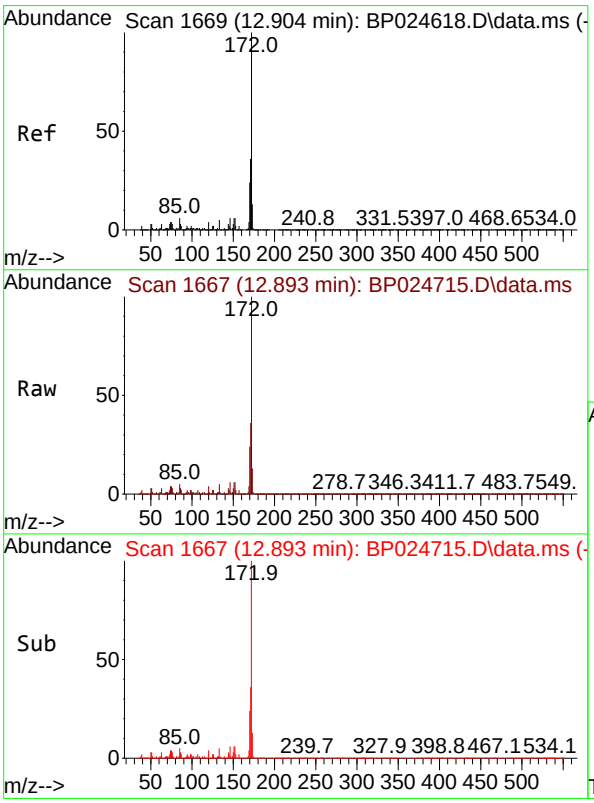
#42
2,4,6-Tribromophenol
Concen: 159.205 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion:330 Resp: 833720

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.4
141	26.5	24.3	36.5

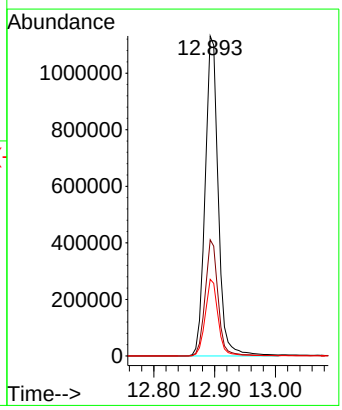


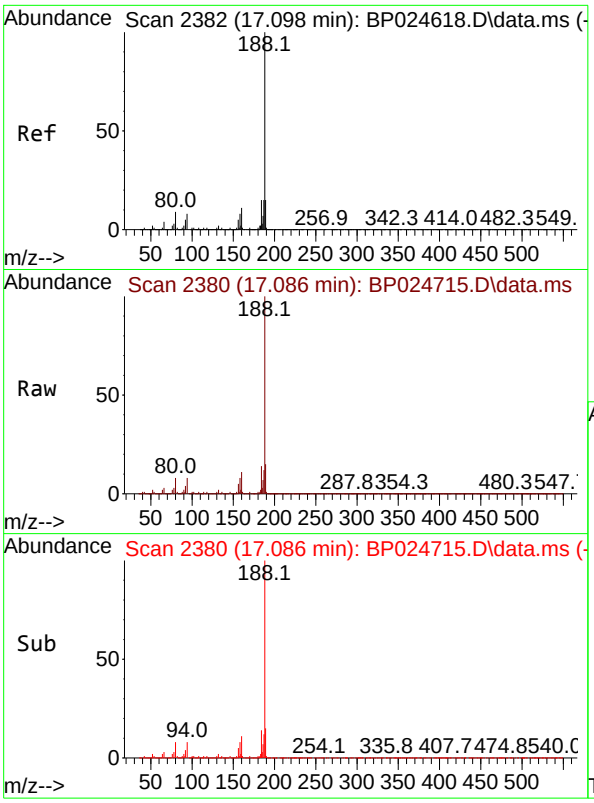


#45
2-Fluorobiphenyl
Concen: 71.735 ng
RT: 12.893 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:172 Resp: 1691360

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	24.0	18.8	28.2



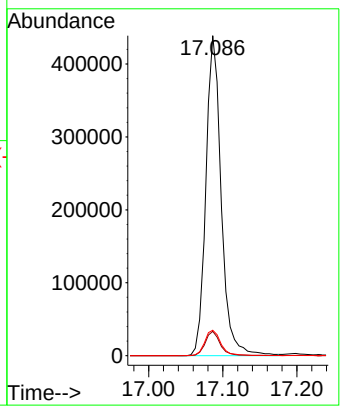


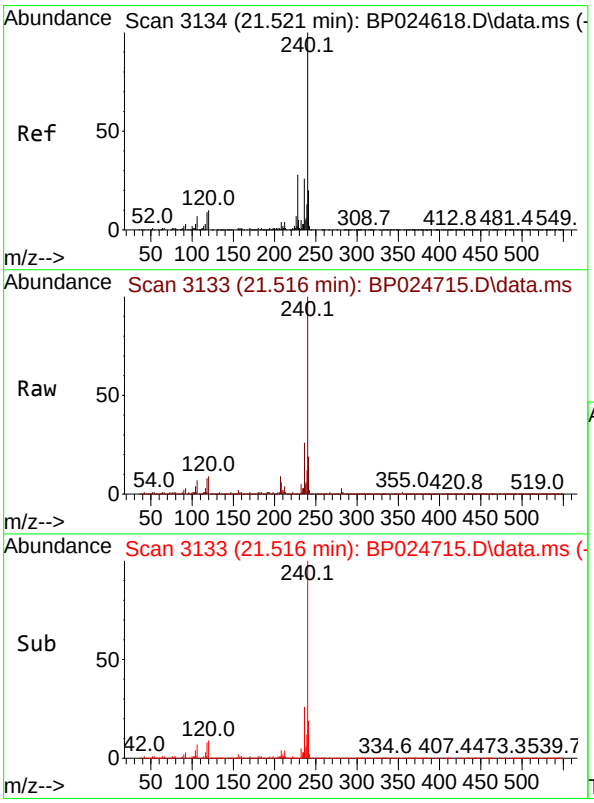
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion:188 Resp: 630051

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.5	9.7
80	8.0	7.3	10.9

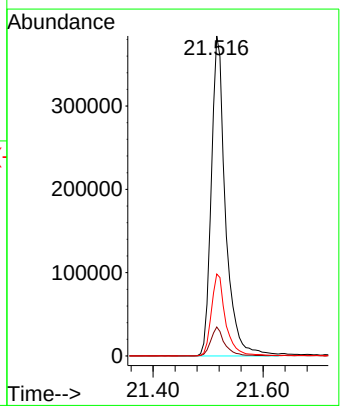


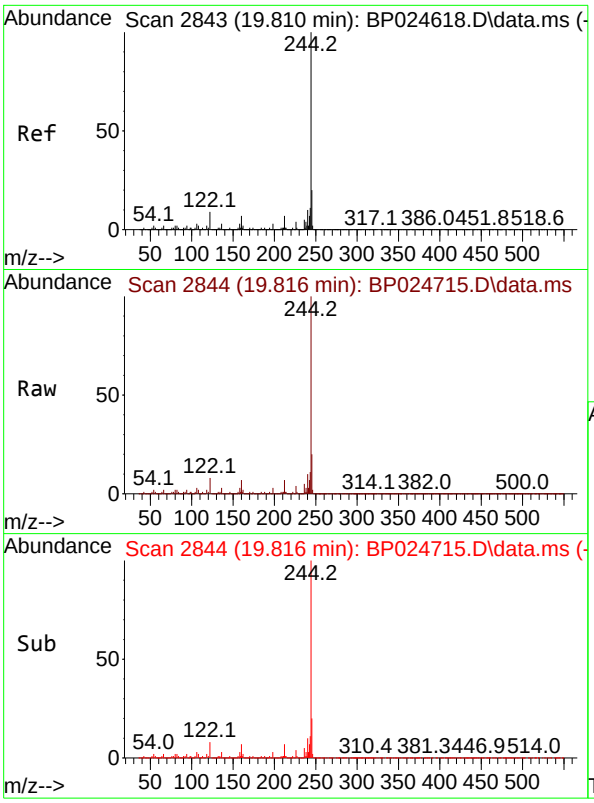


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:240 Resp: 688875

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	25.6	20.6	31.0



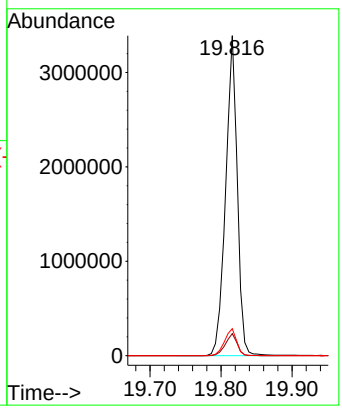


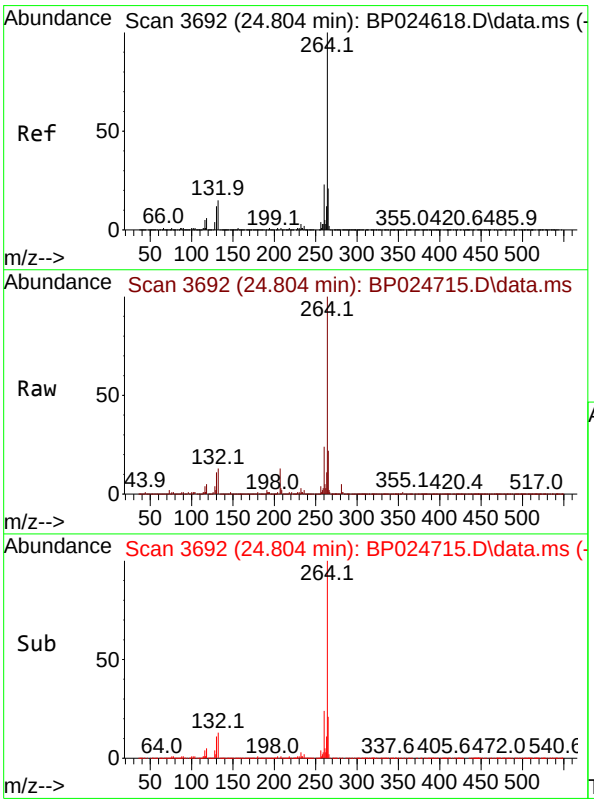
#79
Terphenyl-d14
Concen: 95.608 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Tgt Ion:244 Resp: 3841045

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	7.4	11.0

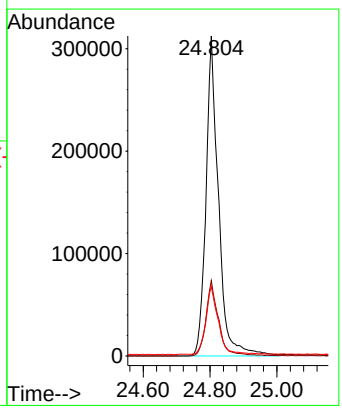




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:264 Resp: 813486

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.7	17.0	25.6



Sample Results: **BP024715.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024715.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.293	368	375	391	rBV	724494	1162080	11.33%	3.513%
2	6.863	636	642	656	rBV	322635	646263	6.30%	1.954%
3	7.658	770	777	786	rBV	442187	705689	6.88%	2.133%
4	8.805	966	972	1002	rVB	1077437	1859784	18.13%	5.622%
5	10.422	1240	1247	1267	rBV	518934	950471	9.27%	2.873%
6	12.893	1660	1667	1686	rBV	3349553	4973699	48.49%	15.036%
7	14.281	1896	1903	1920	rBV	791593	1323563	12.90%	4.001%
8	15.675	2134	2140	2151	rBV	133080	201593	1.97%	0.609%
9	15.810	2156	2163	2191	rBV	3579920	5378829	52.43%	16.261%
10	17.086	2374	2380	2395	rBV2	1085935	1589228	15.49%	4.804%
11	18.028	2535	2540	2548	rBV	124771	216991	2.12%	0.656%
12	19.816	2837	2844	2855	rBV	8911686	10258104	100.00%	31.012%
13	21.516	3127	3133	3150	rBV	1029121	1866559	18.20%	5.643%
14	24.804	3684	3692	3716	rVB	778690	1945274	18.96%	5.881%

Sum of corrected areas: 33078127

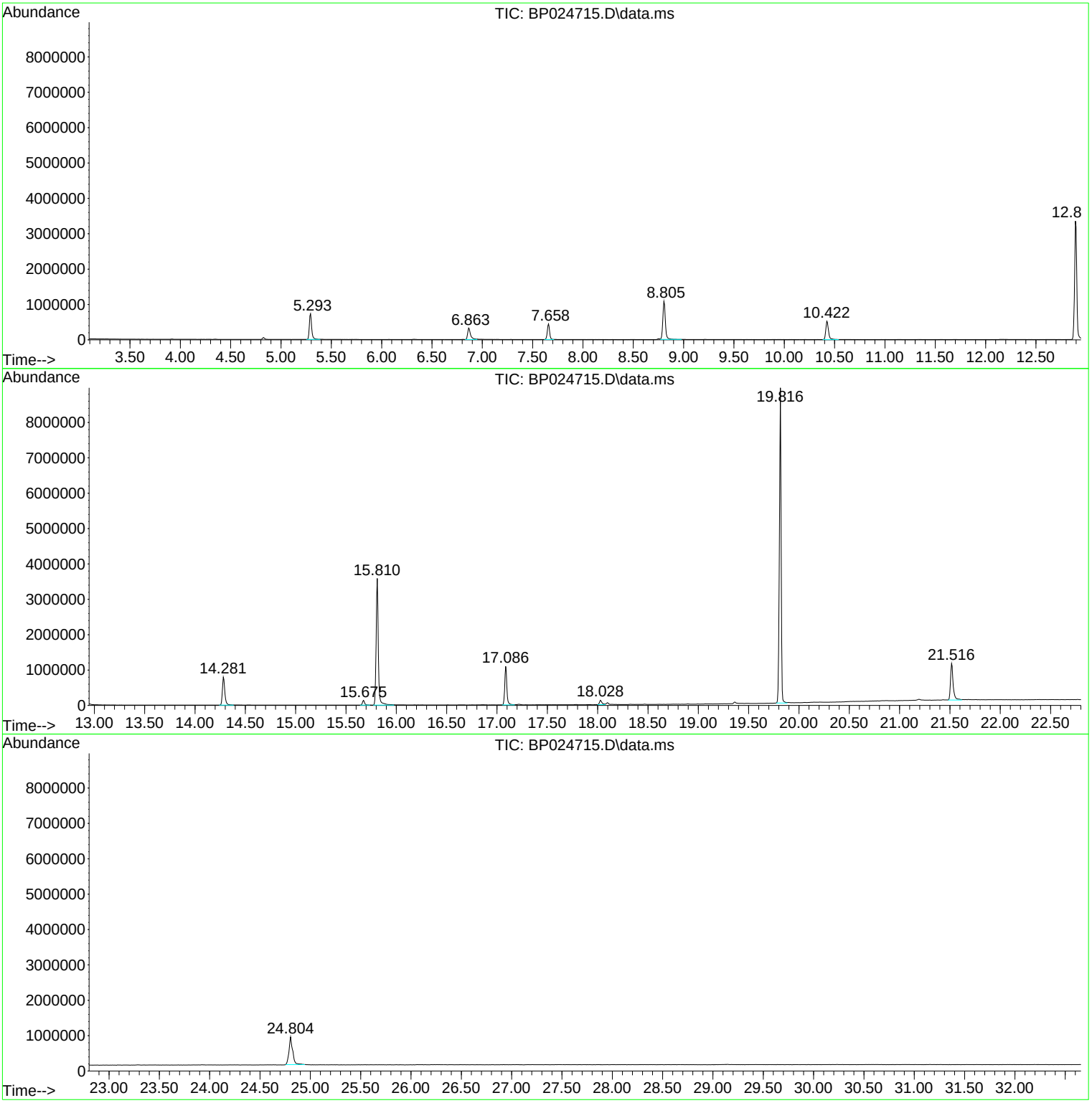
Sample Results: **BP024715.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

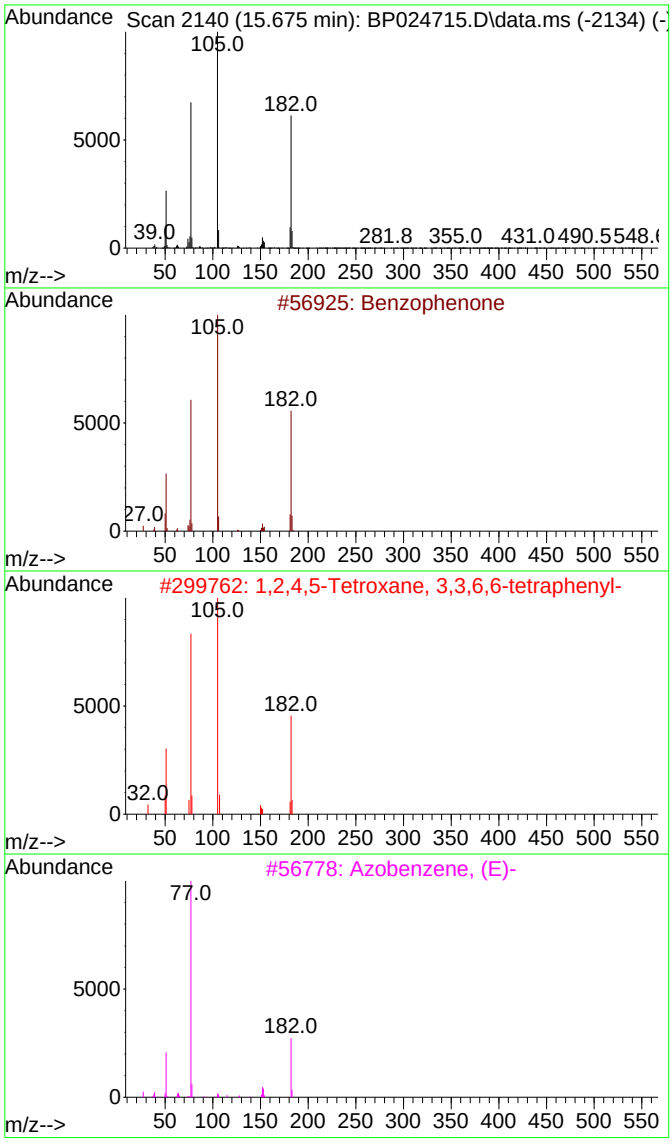
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

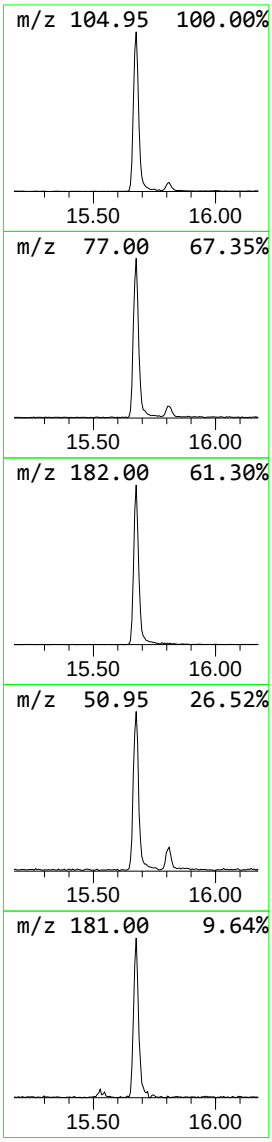
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.675	3.05 ng	201593	Acenaphthene-d10	14.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

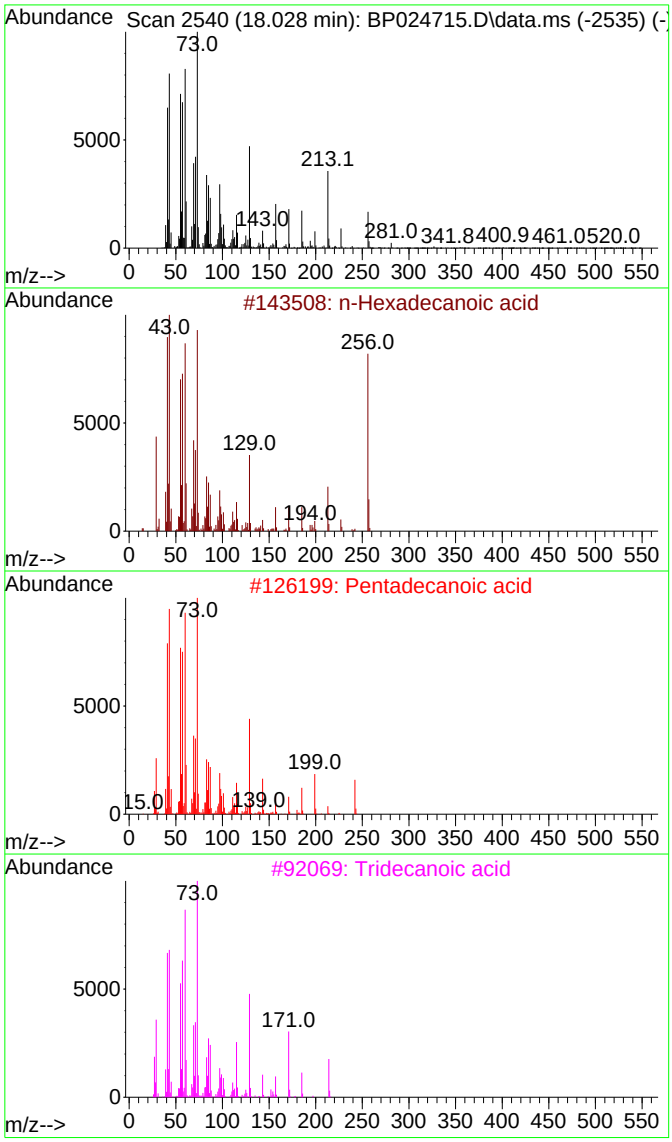
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

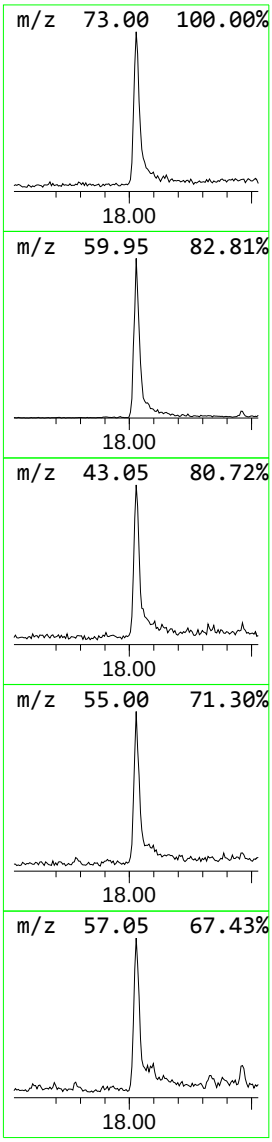
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.028	2.73 ng	216991	Phenanthrene-d10	17.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Sample Results: **BP024715.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.675	3.0	ng	201593	3	14.281	1323560	20.0
n-Hexadecanoic ...	18.028	2.7	ng	216991	4	17.086	1589230	20.0

CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

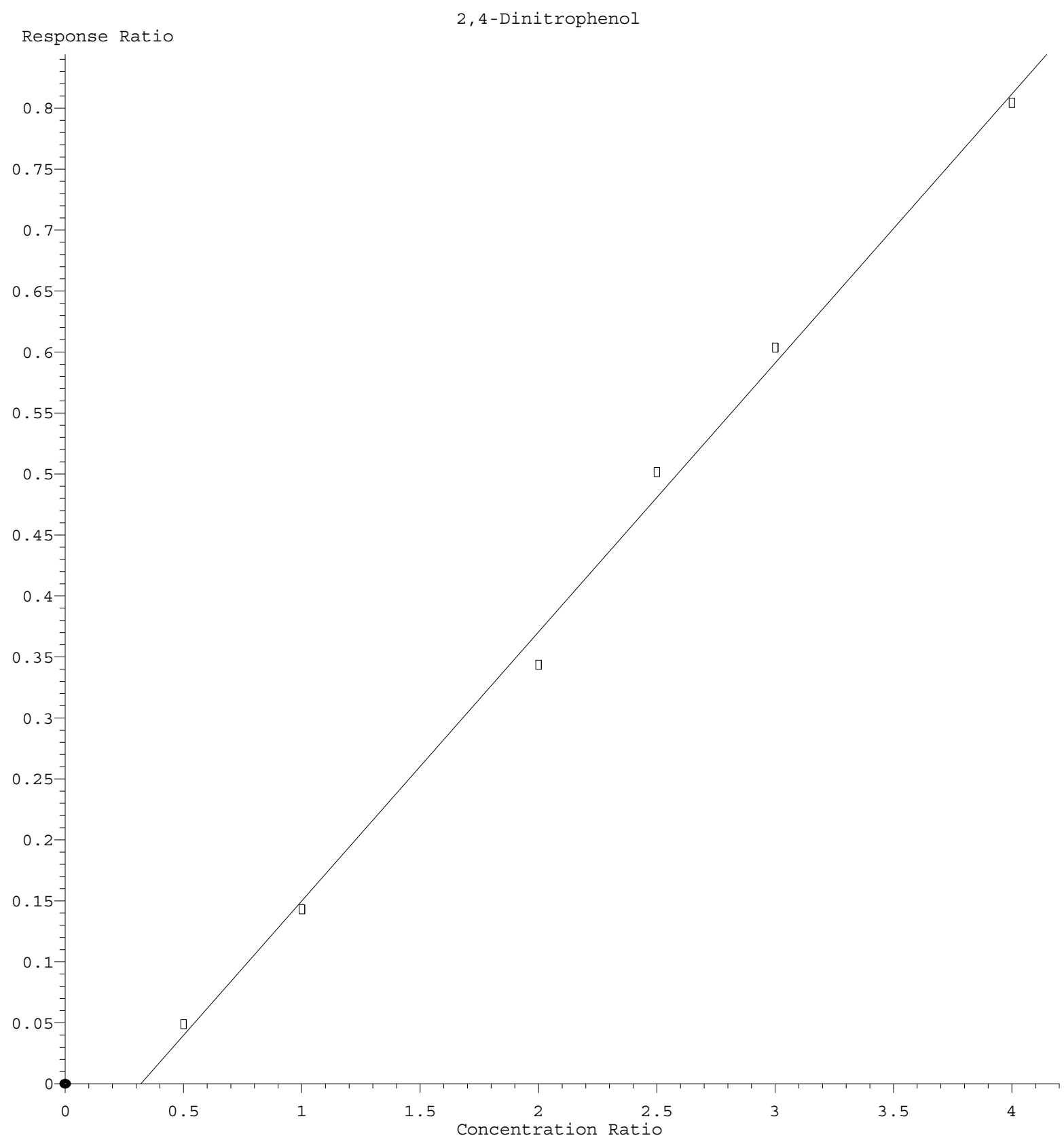
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = Out of Range



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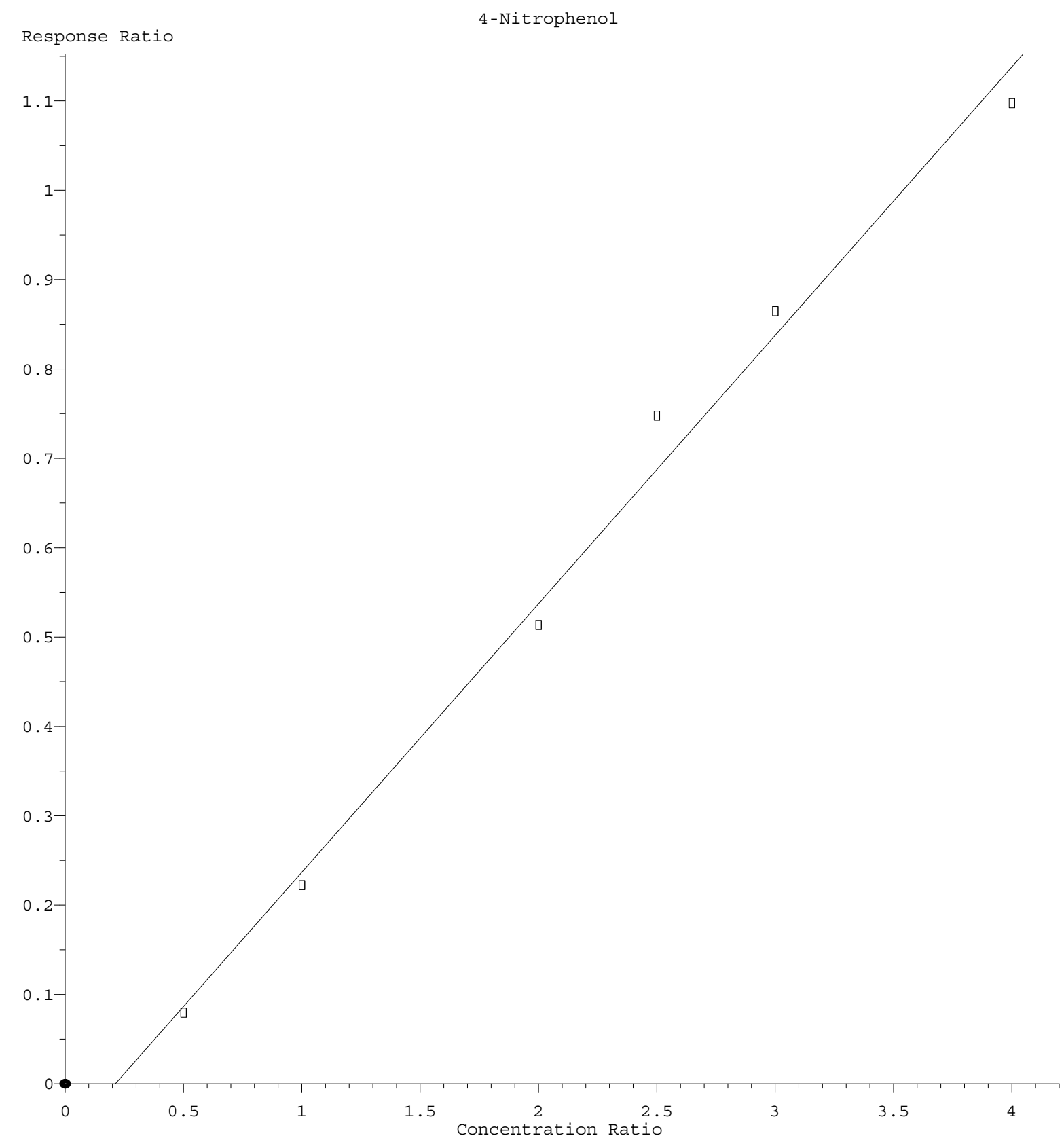
Coef of Det (r^2) = 0.996311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 3.005e-001 * Amt - 6.362e-002
Coef of Det (r^2) = 0.991009 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	105461	20.00	ng	0.00
21) Naphthalene-d8	10.428	136	434352	20.00	ng	0.00
39) Acenaphthene-d10	14.287	164	287970	20.00	ng	-0.02
64) Phenanthrene-d10	17.092	188	596044	20.00	ng	0.00
76) Chrysene-d12	21.516	240	663028	20.00	ng	0.00
86) Perylene-d12	24.780	264	769627	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ng	
7) Phenol-d6	0.000	99	0d	0.00	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.00	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
79) Terphenyl-d14	0.000	244	0d	0.00	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.458	70	11601	2.13	ng	96

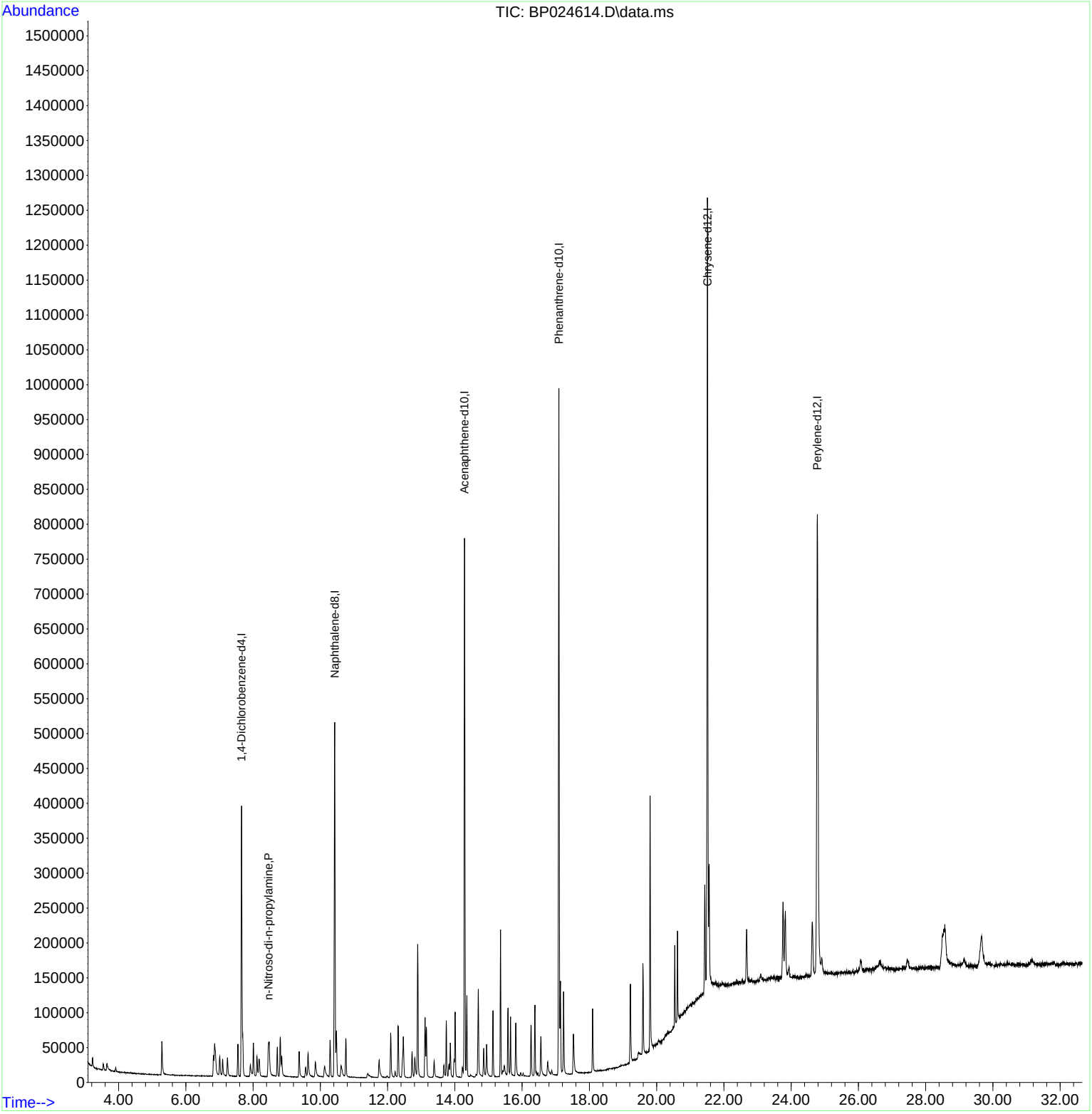
(#) = qualifier out of range (m) = manual integration (+) = signals summed

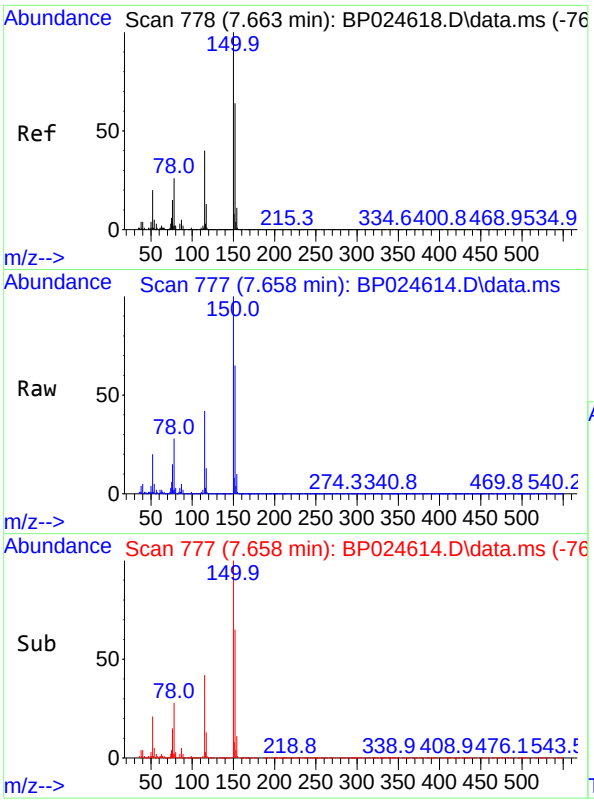
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



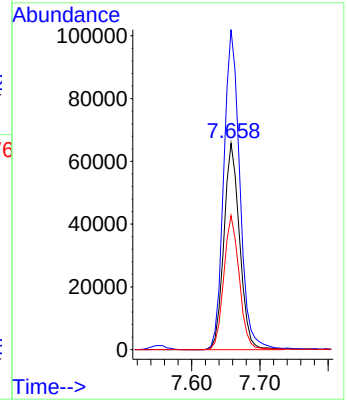


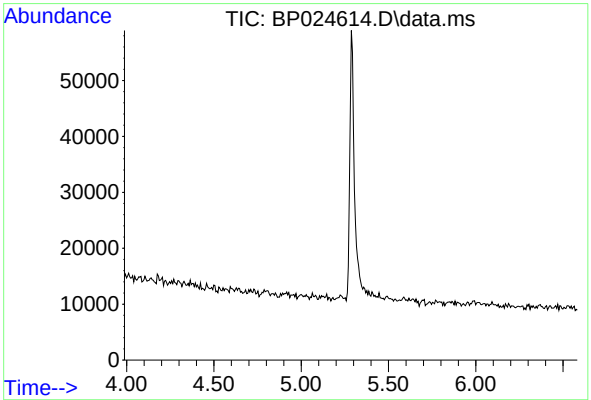
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 105461

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	65.0	50.1	75.1



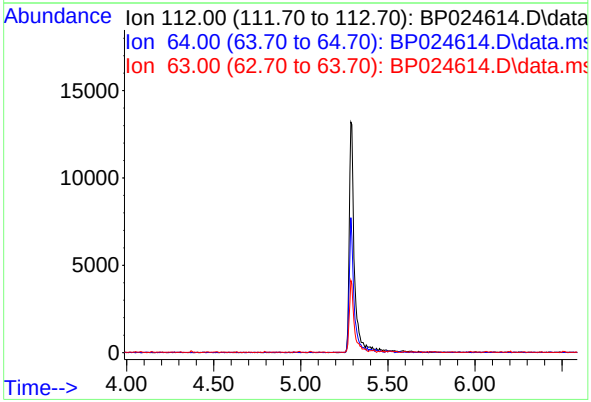


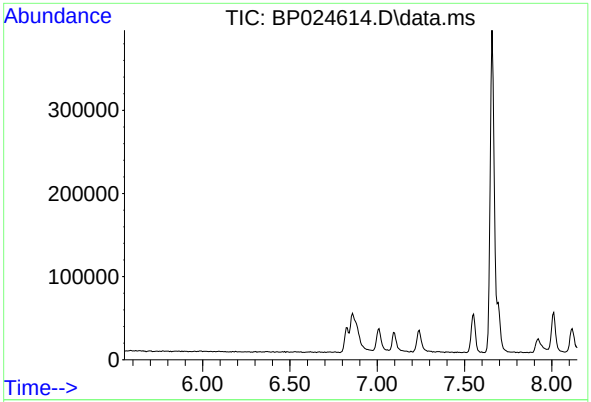
#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.29 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.1
63	29.4





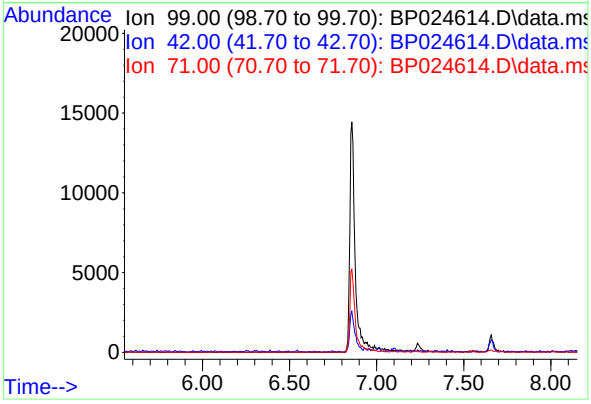
#7
Phenol-d6
Concen: 0.00 ng
Expected RT: 6.85 min

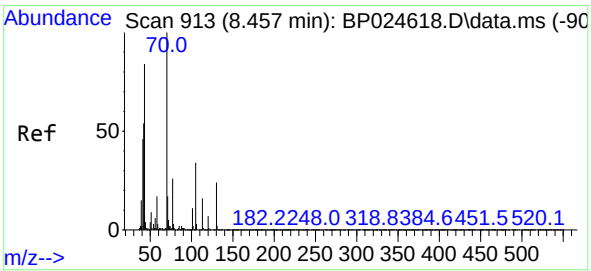
Lab File: BP024614.D
Acq: 13 May 2025 10:41

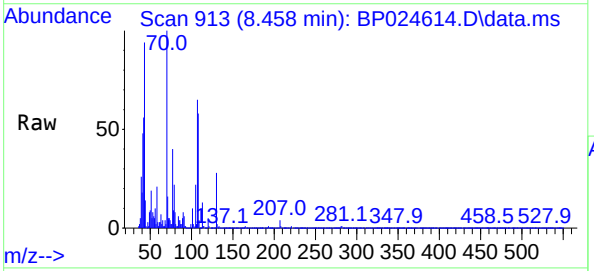
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

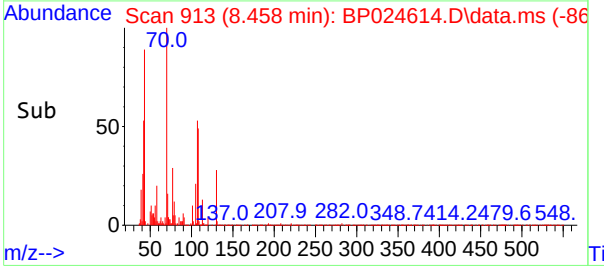
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.0
71	36.5





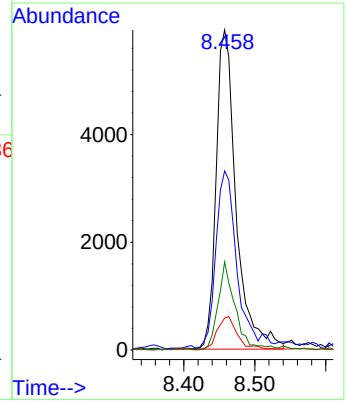


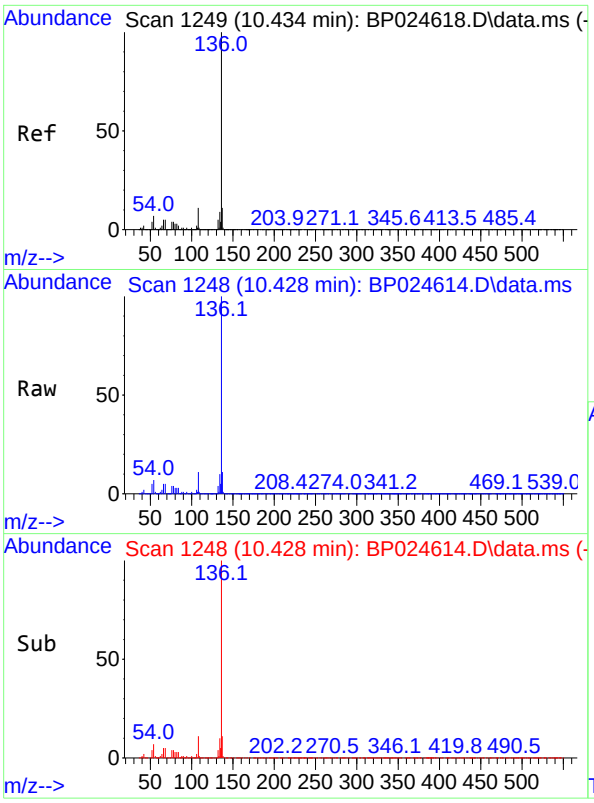


#19
n-Nitroso-di-n-propylamine
Concen: 2.13 ng
RT: 8.458 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 70 Resp: 11601

Ion	Ratio	Lower	Upper
70	100		
42	56.0	43.0	64.6
101	10.0	8.7	13.1
130	27.5	19.4	29.0



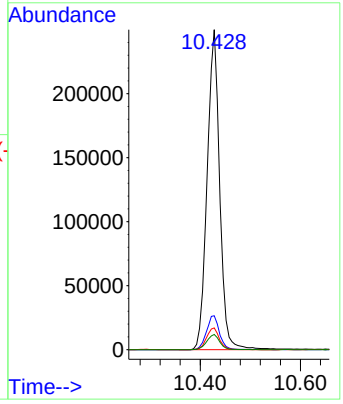


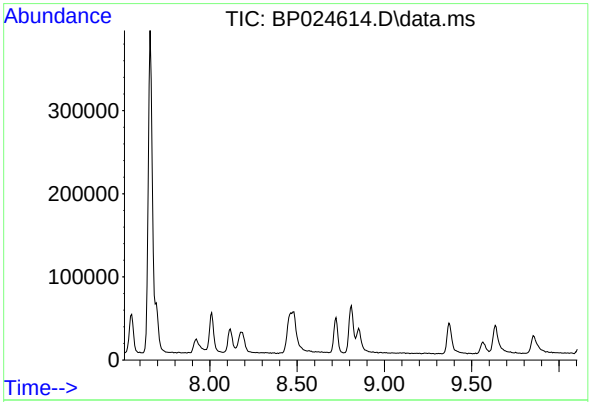
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 434352

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	4.7	4.2	6.2



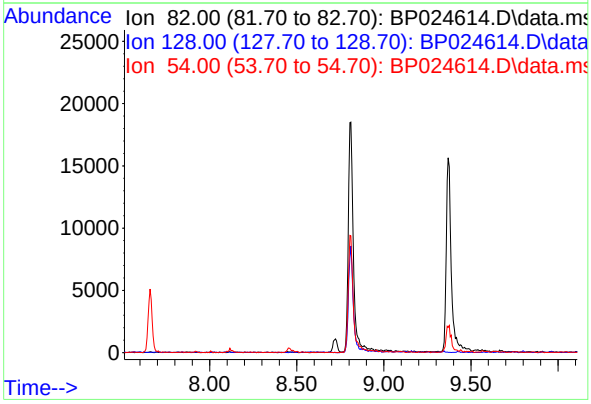


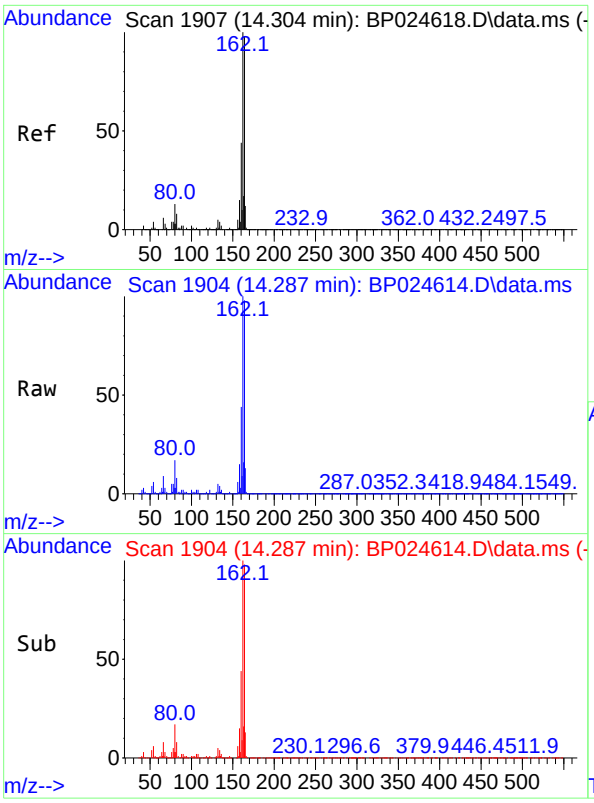
#23
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 8.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.2
54	48.4



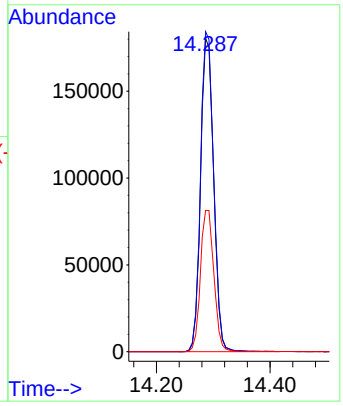


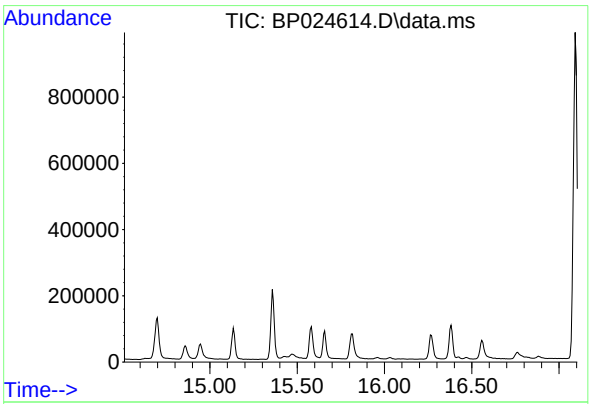
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 287970

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.6
160	45.1	36.3	54.5



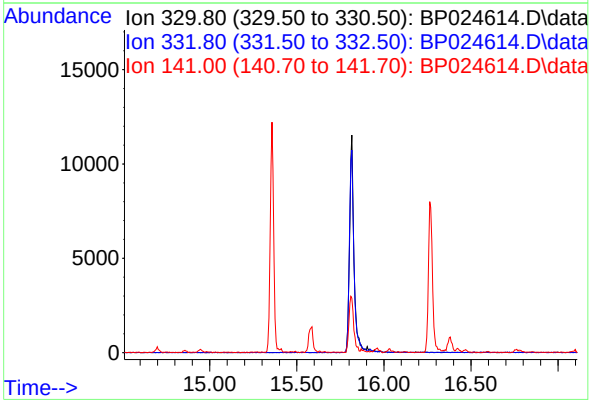


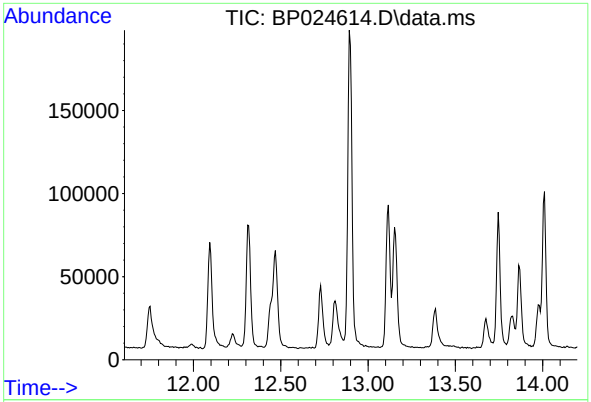
#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 15.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.8
141	30.4





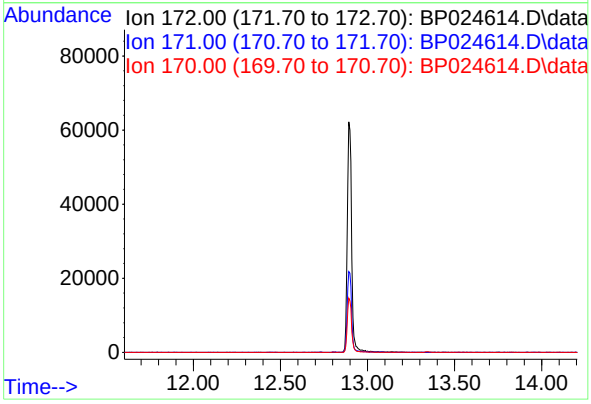
#45
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 12.90 min

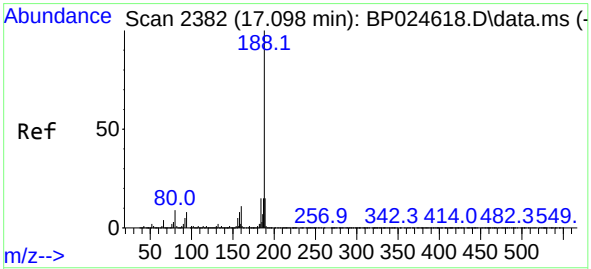
Lab File: BP024614.D
Acq: 13 May 2025 10:41

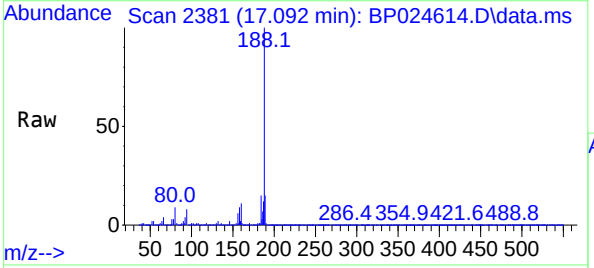
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

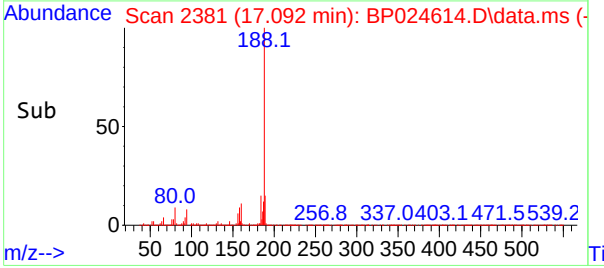
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.0
170	23.5





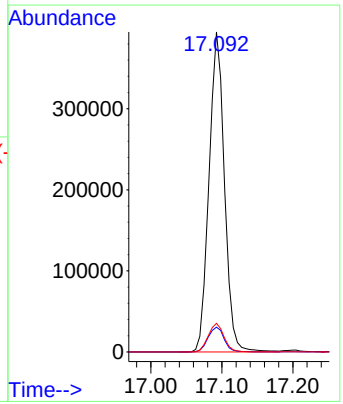


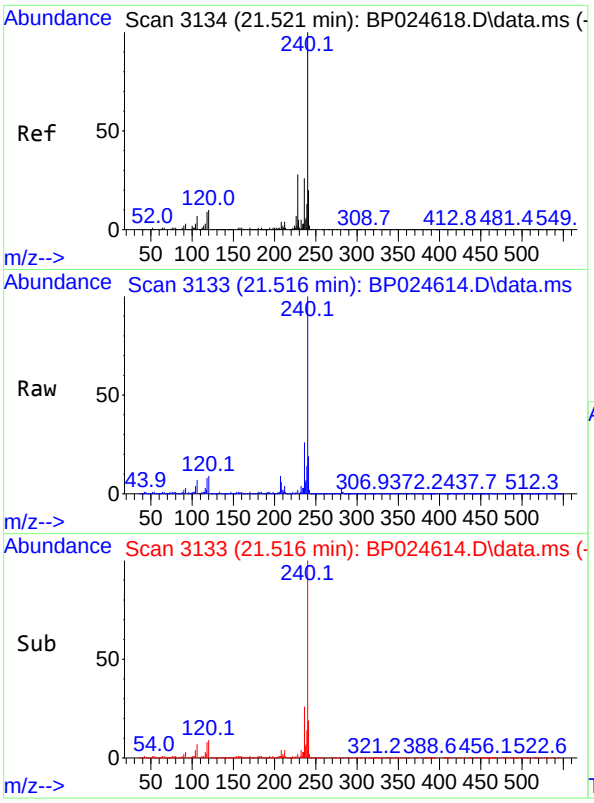


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion:188 Resp: 596044

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.5	9.7
80	8.9	7.3	10.9



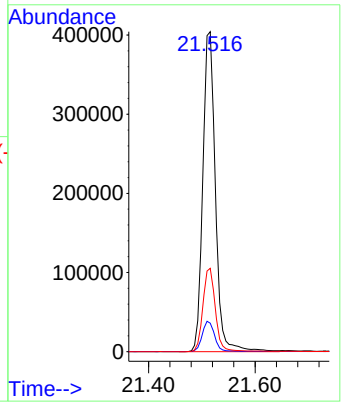


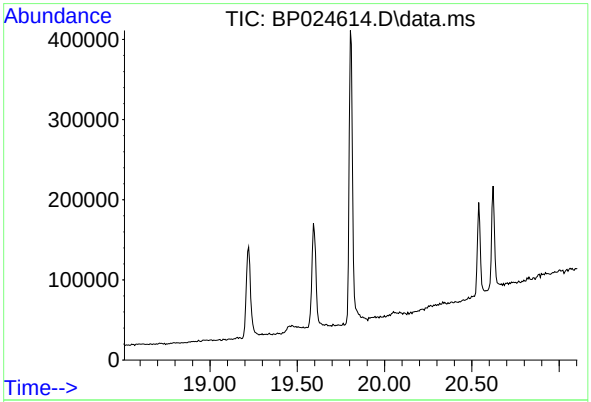
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 663028

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.8	11.6
236	26.1	20.6	31.0



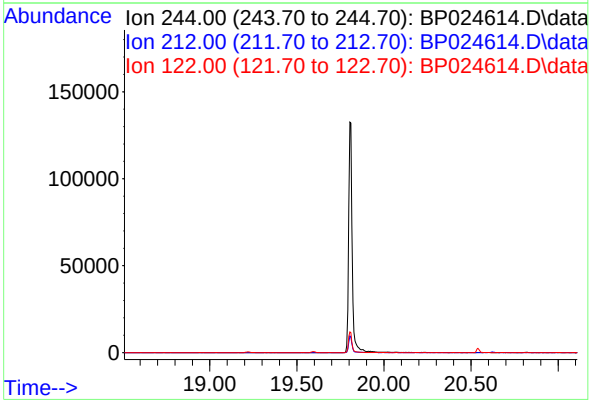


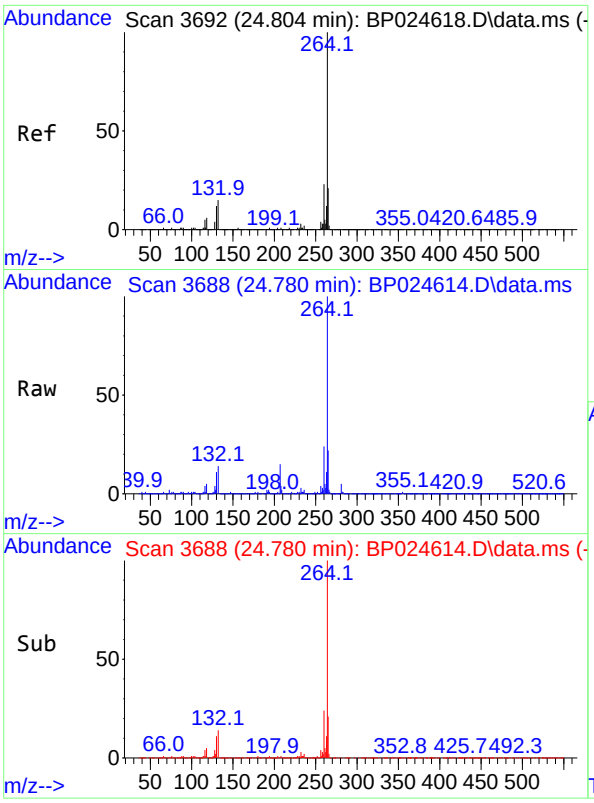
#79
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	9.2



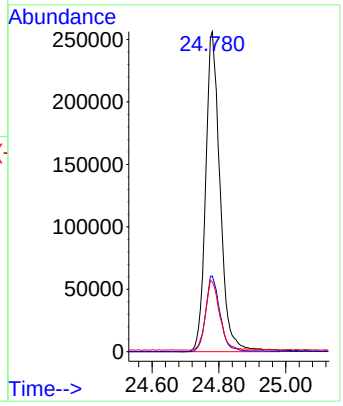


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.780 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 769627

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.8	17.0	25.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	90088	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	378055	20.00	ng		0.00
39) Acenaphthene-d10	14.293	164	254561	20.00	ng		-0.01
64) Phenanthrene-d10	17.092	188	531548	20.00	ng		0.00
76) Chrysene-d12	21.522	240	614288	20.00	ng		0.00
86) Perylene-d12	24.810	264	724260	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	51093	9.70	ng		0.00
7) Phenol-d6	6.858	99	58619	8.72	ng		0.00
23) Nitrobenzene-d5	8.811	82	72056	9.63	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	41219	9.55	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	203719	10.48	ng		0.00
79) Terphenyl-d14	19.822	244	366245	10.22	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	14435	5.84	ng		95
3) Pyridine	3.646	79	23737	4.33	ng	#	91
4) n-Nitrosodimethylamine	3.546	42	12080	4.99	ng	#	96
6) Aniline	7.011	93	38664	4.45	ng		97
8) 2-Chlorophenol	7.240	128	27022	4.52	ng		93
9) Benzaldehyde	6.828	77	22328m	5.14	ng		
10) Phenol	6.887	94	30912	4.46	ng		98
11) bis(2-Chloroethyl)ether	7.099	93	29668	5.20	ng		97
12) 1,3-Dichlorobenzene	7.552	146	35946	5.23	ng		96
13) 1,4-Dichlorobenzene	7.699	146	35091	5.07	ng		95
14) 1,2-Dichlorobenzene	8.011	146	34458	5.11	ng		99
15) Benzyl Alcohol	7.917	79	19888	3.89	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.193	45	34754	5.09	ng		95
17) 2-Methylphenol	8.116	107	21754	4.37	ng		97
18) Hexachloroethane	8.728	117	13650	5.15	ng		96
19) n-Nitroso-di-n-propyla...	8.464	70	22015	4.73	ng		98
20) 3+4-Methylphenols	8.452	107	27500	4.06	ng		97
22) Acetophenone	8.487	105	45968	4.87	ng	#	99
24) Nitrobenzene	8.852	77	31500	4.78	ng		97
25) Isophorone	9.375	82	60855	4.69	ng		98
26) 2-Nitrophenol	9.569	139	12786	3.96	ng		95
27) 2,4-Dimethylphenol	9.628	122	25830	4.54	ng		92
28) bis(2-Chloroethoxy)met...	9.858	93	38071	4.91	ng		97
29) 2,4-Dichlorophenol	10.122	162	23623	4.29	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	32699	5.26	ng		99
31) Naphthalene	10.481	128	100564	5.13	ng		100
33) 4-Chloroaniline	10.616	127	32908	4.16	ng		99
34) Hexachlorobutadiene	10.763	225	21834	5.43	ng		95
35) Caprolactam	11.399	113	7742m	3.88	ng		
36) 4-Chloro-3-methylphenol	11.746	107	29849	4.44	ng		95
37) 2-Methylnaphthalene	12.099	142	63562	5.01	ng		99
38) 1-Methylnaphthalene	12.316	142	70043	5.16	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	37738	5.11	ng		99
41) Hexachlorocyclopentadiene	12.446	237	15939	3.56	ng		93
43) 2,4,6-Trichlorophenol	12.722	196	19429	4.06	ng		92
44) 2,4,5-Trichlorophenol	12.816	196	23918	4.49	ng		93

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.116	154	96956	5.15	ng		98
47) 2-Chloronaphthalene	13.157	162	72977	5.09	ng		99
48) 2-Nitroaniline	13.381	65	17778	4.19	ng		98
49) Acenaphthylene	14.010	152	117448	4.89	ng		99
50) Dimethylphthalate	13.751	163	99940	5.15	ng		100
51) 2,6-Dinitrotoluene	13.869	165	19052	4.65	ng	#	85
52) Acenaphthene	14.357	154	70302	5.09	ng		96
53) 3-Nitroaniline	14.222	138	16400	3.92	ng		97
55) Dibenzofuran	14.698	168	115180	5.23	ng		98
57) 2,4-Dinitrotoluene	14.675	165	25481	4.41	ng		92
58) Fluorene	15.363	166	93303	5.20	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.946	232	23382	4.73	ng		98
60) Diethylphthalate	15.134	149	101366	5.17	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	47886	5.35	ng		98
62) 4-Nitroaniline	15.410	138	14482m	3.55	ng		
63) Azobenzene	15.651	77	84462	5.03	ng		99
66) n-Nitrosodiphenylamine	15.575	169	80078	4.90	ng		99
67) 4-Bromophenyl-phenylether	16.275	248	30702	4.90	ng		97
68) Hexachlorobenzene	16.387	284	40234	5.06	ng		99
69) Atrazine	16.551	200	27909	4.66	ng		98
70) Pentachlorophenol	16.757	266	16456	3.68	ng		95
71) Phenanthrene	17.134	178	152030	5.14	ng		99
72) Anthracene	17.234	178	145809	4.90	ng		99
73) Carbazole	17.522	167	122666	4.56	ng		98
74) Di-n-butylphthalate	18.104	149	157014	4.54	ng		99
75) Fluoranthene	19.228	202	168865	4.89	ng		99
78) Pyrene	19.604	202	181817	4.94	ng		99
80) Butylbenzylphthalate	20.551	149	70341	4.30	ng		100
81) Benzo(a)anthracene	21.498	228	192110	4.98	ng		99
82) 3,3'-Dichlorobenzidine	21.445	252	54793	3.82	ng		99
83) Chrysene	21.575	228	186449	5.10	ng		99
84) Bis(2-ethylhexyl)phtha...	21.445	149	103286	4.29	ng		97
85) Di-n-octyl phthalate	22.692	149	160883	4.09	ng		99
87) Indeno(1,2,3-cd)pyrene	28.504	276	242814	4.59	ng	#	87
88) Benzo(b)fluoranthene	23.763	252	186058	4.49	ng		97
89) Benzo(k)fluoranthene	23.839	252	207645	4.86	ng		100
90) Benzo(a)pyrene	24.657	252	180157	4.52	ng		99
91) Dibenzo(a,h)anthracene	28.586	278	193373	4.50	ng		98
92) Benzo(g,h,i)perylene	29.651	276	199361	4.66	ng		98

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

ICAL Form

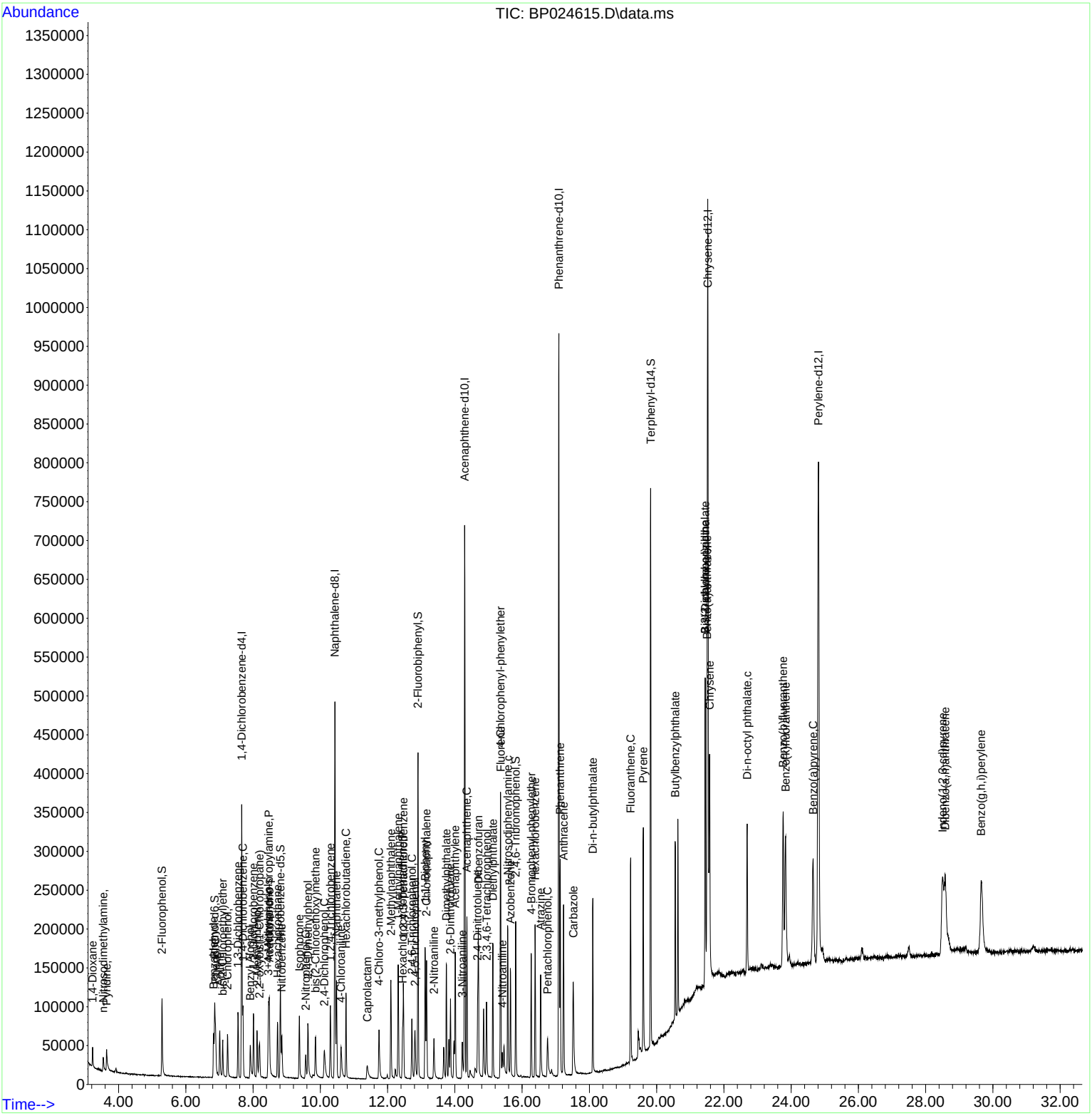
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

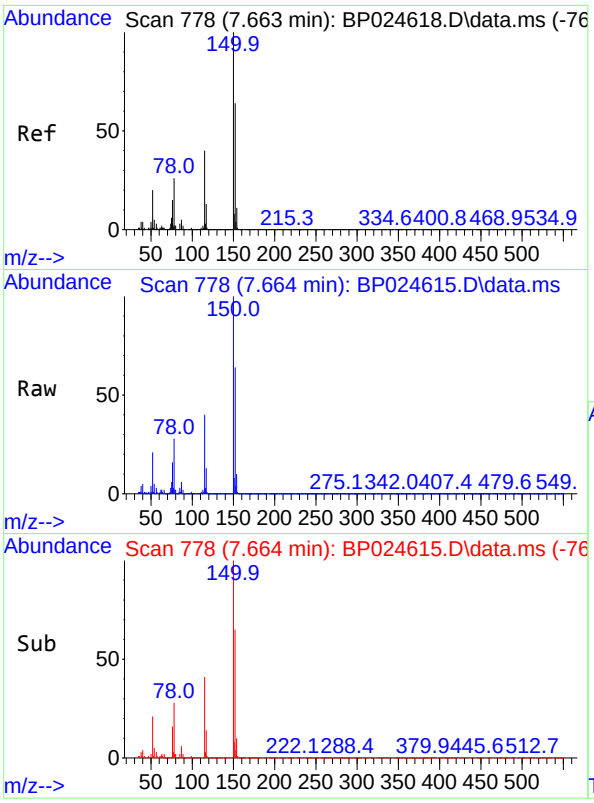
Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

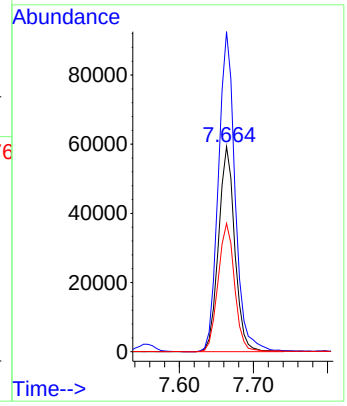




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 9008

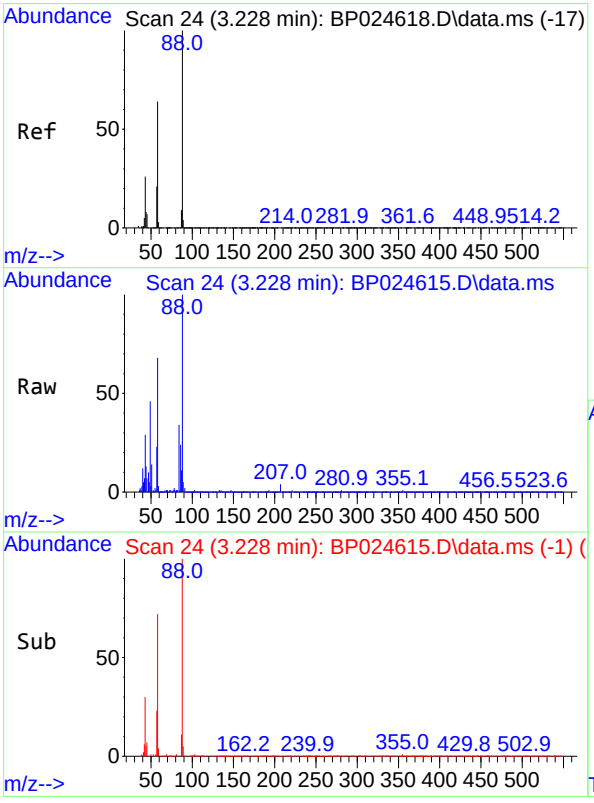
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.5	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

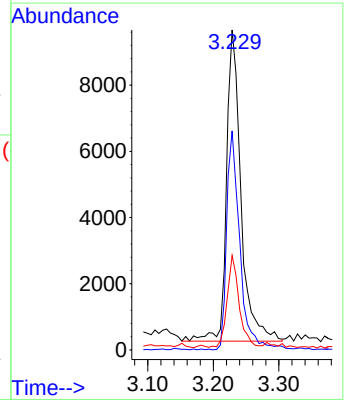
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

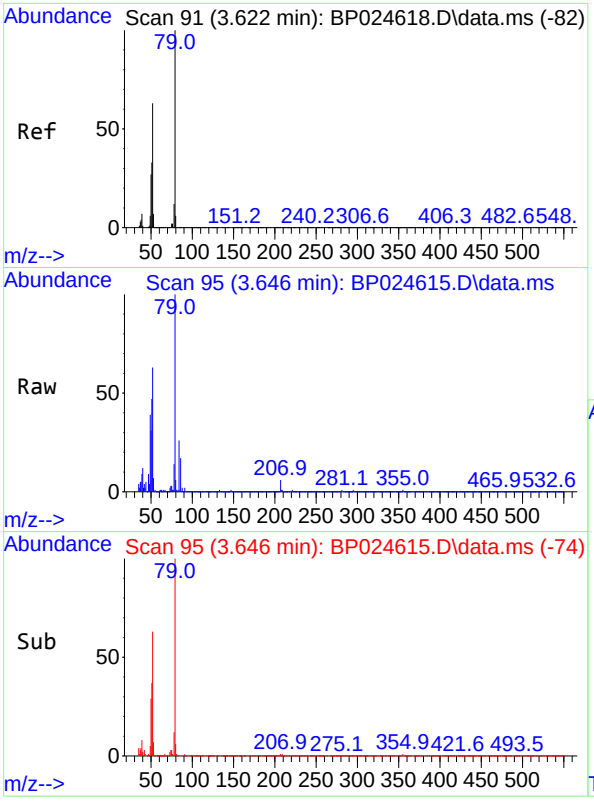


#2
1,4-Dioxane
Concen: 5.84 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 88 Resp: 14435

Ion	Ratio	Lower	Upper
88	100		
58	63.6	54.0	81.0
43	24.2	21.4	32.0

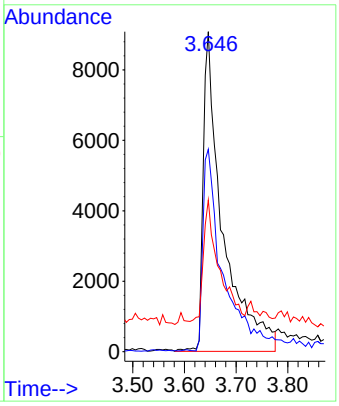




#3
Pyridine
Concen: 4.33 ng
RT: 3.646 min Scan# 9
Delta R.T. 0.024 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 2373

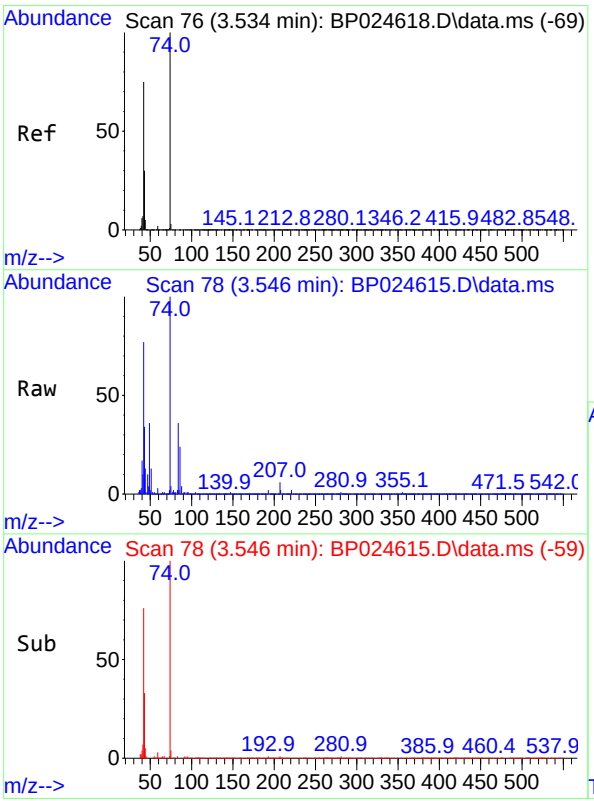
Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.2	75.2
51	47.4	26.8	40.2#



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

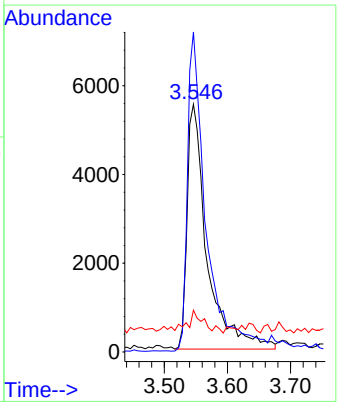
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

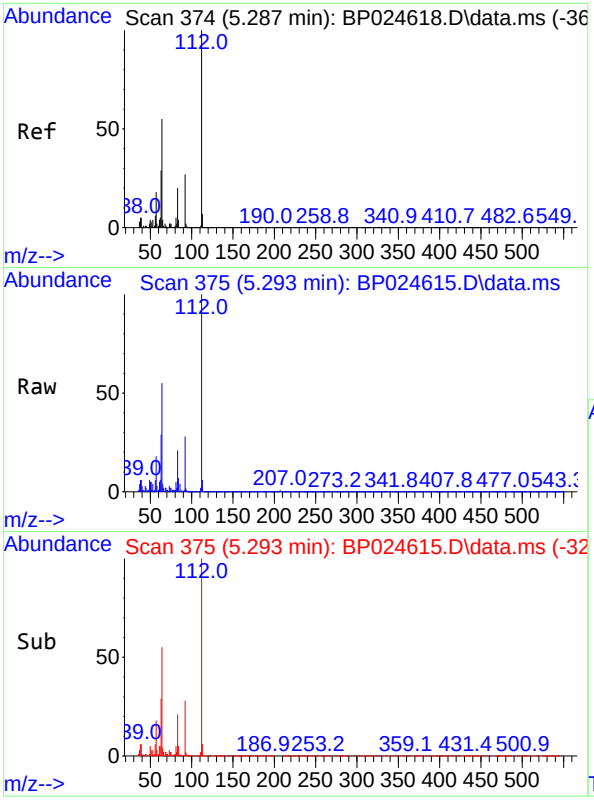


#4
n-Nitrosodimethylamine
Concen: 4.99 ng
RT: 3.546 min Scan# 78
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 42 Resp: 12080

Ion	Ratio	Lower	Upper
42	100		
74	129.2	106.2	159.2
44	16.9	5.4	8.2#

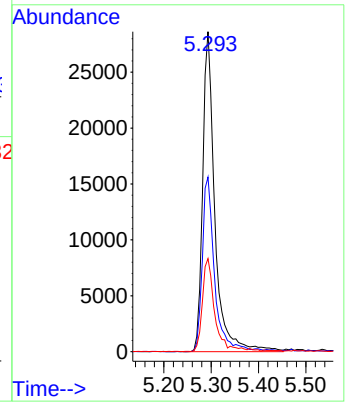




#5
2-Fluorophenol
Concen: 9.70 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:112 Resp: 5109

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.1	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
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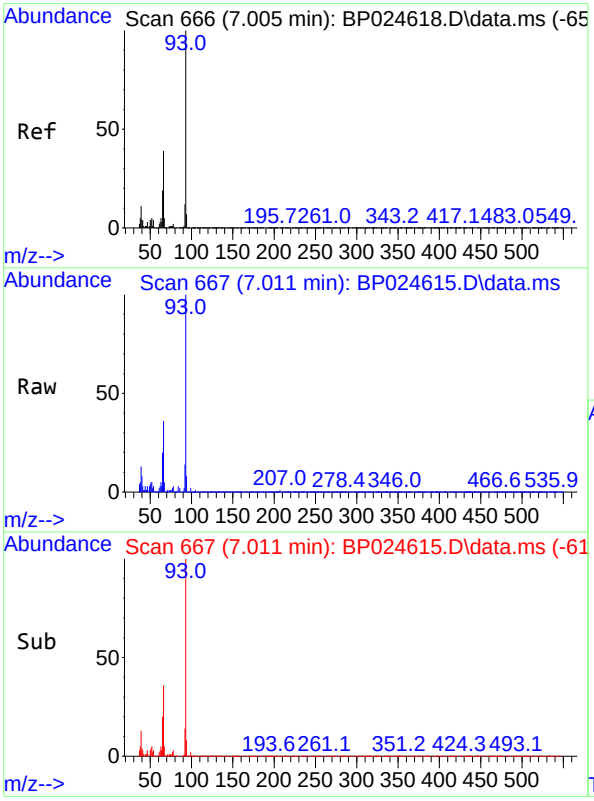
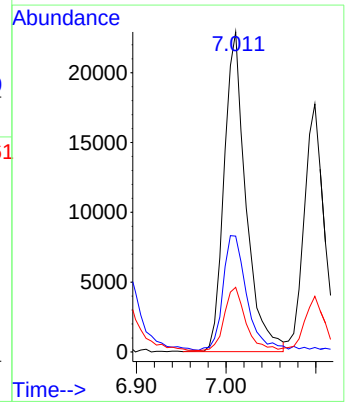
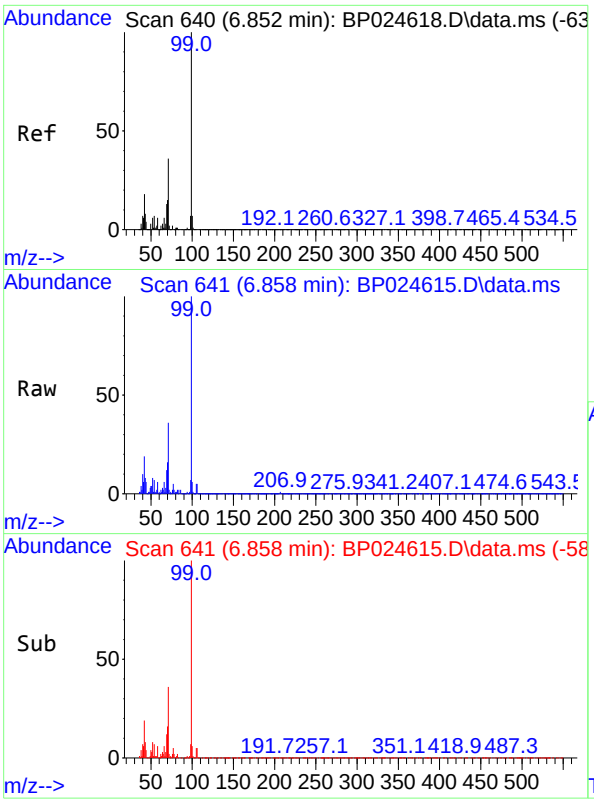


#6
Aniline
Concen: 4.45 ng
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38664

Ion	Ratio	Lower	Upper
93	100		
66	36.2	31.0	46.6
65	20.2	15.5	23.3

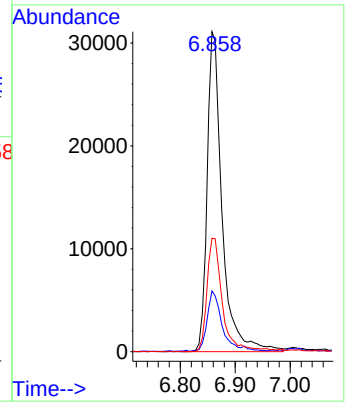




#7
Phenol-d6
Concen: 8.72 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 99 Resp: 5861

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.4	21.6
71	35.5	29.2	43.8



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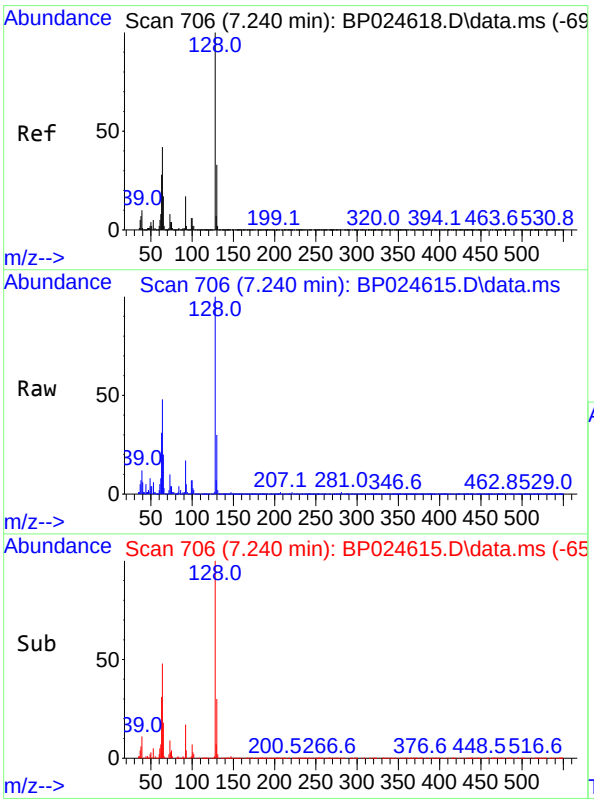
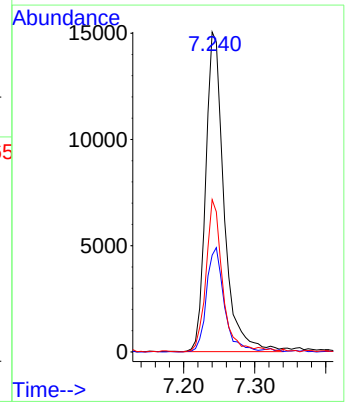
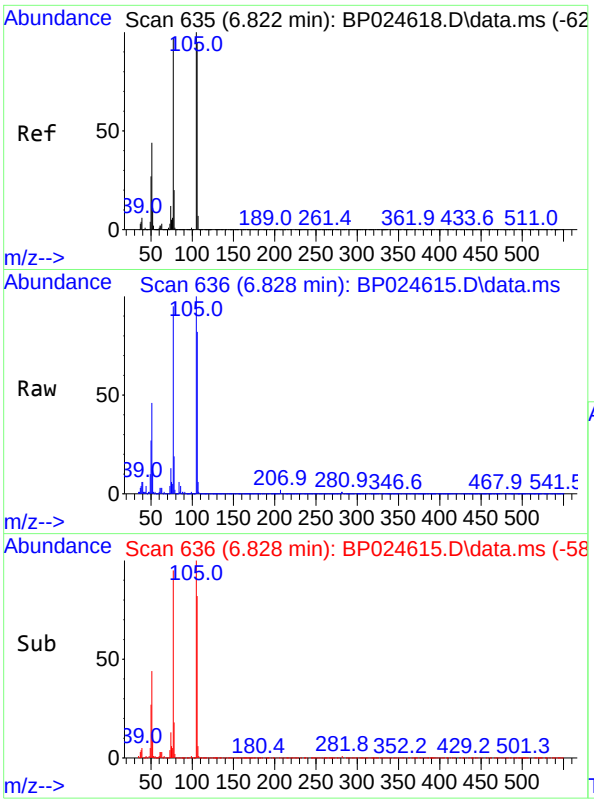


#8
2-Chlorophenol
Concen: 4.52 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 27022

Ion	Ratio	Lower	Upper
128	100		
130	30.3	13.0	53.0
64	47.6	22.3	62.3

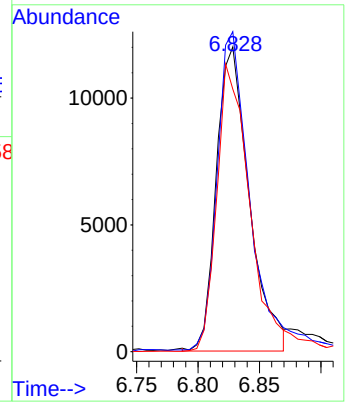




#9
Benzaldehyde
Concen: 5.14 ng m
RT: 6.828 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 2232

Ion	Ratio	Lower	Upper
77	100		
105	105.0	83.3	123.3
106	86.1	78.0	118.0



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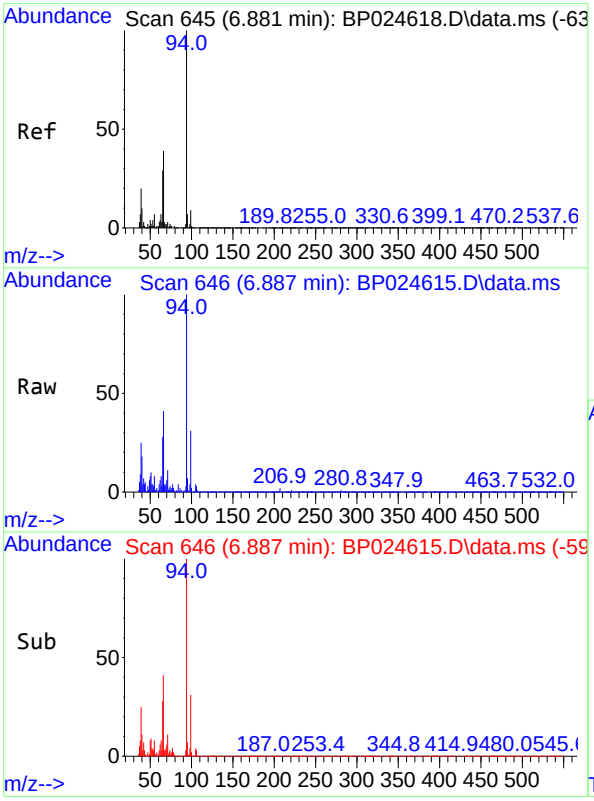
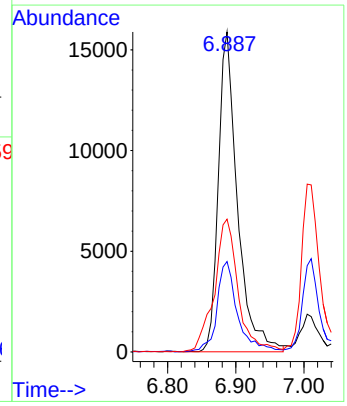
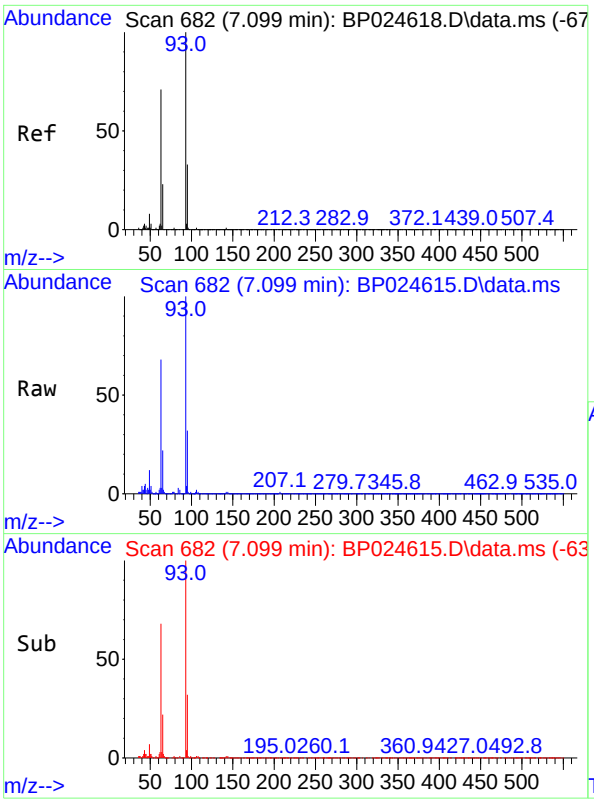


#10
Phenol
Concen: 4.46 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 94 Resp: 30912

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.7	48.7
66	41.5	19.4	59.4

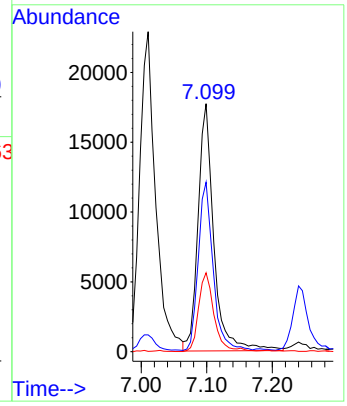




#11
bis(2-Chloroethyl)ether
Concen: 5.20 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 2966

Ion	Ratio	Lower	Upper
93	100		
63	68.3	50.6	90.6
95	31.8	12.9	52.9



Instrument :
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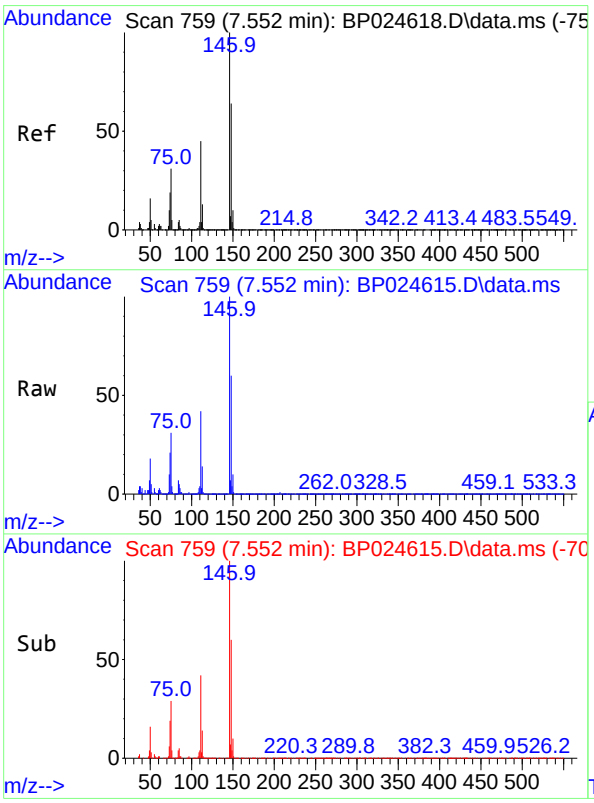
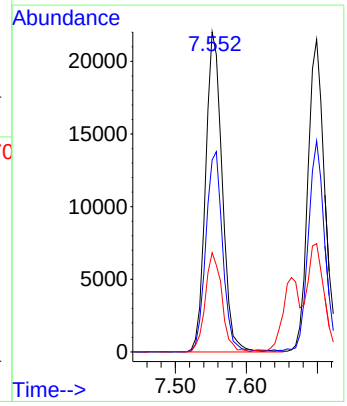
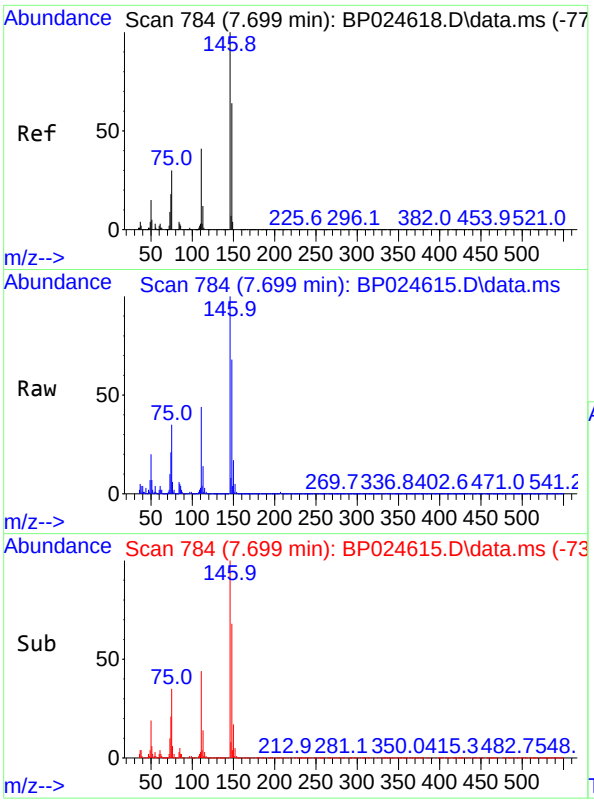


#12
1,3-Dichlorobenzene
Concen: 5.23 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 35946

Ion	Ratio	Lower	Upper
146	100		
148	60.0	51.4	77.2
75	31.0	25.2	37.8

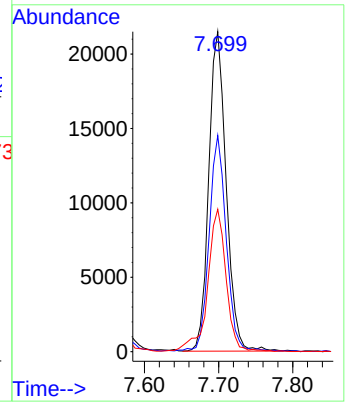




#13
1,4-Dichlorobenzene
Concen: 5.07 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 3509

Ion	Ratio	Lower	Upper
146	100		
148	67.6	51.0	76.6
111	44.5	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
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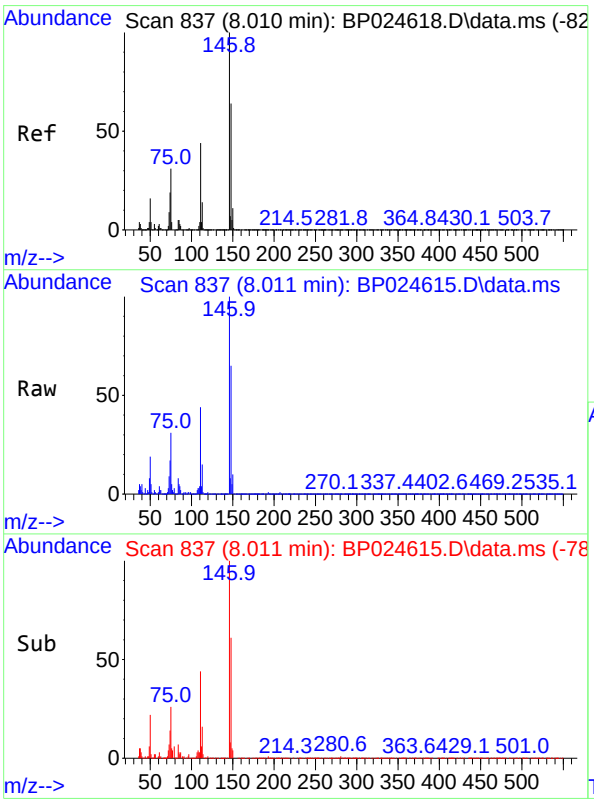
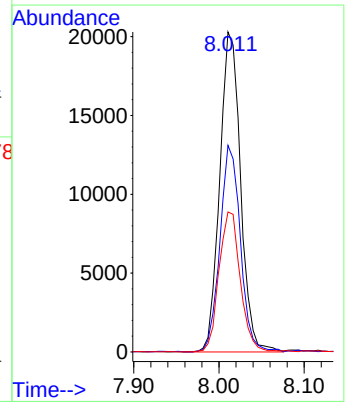
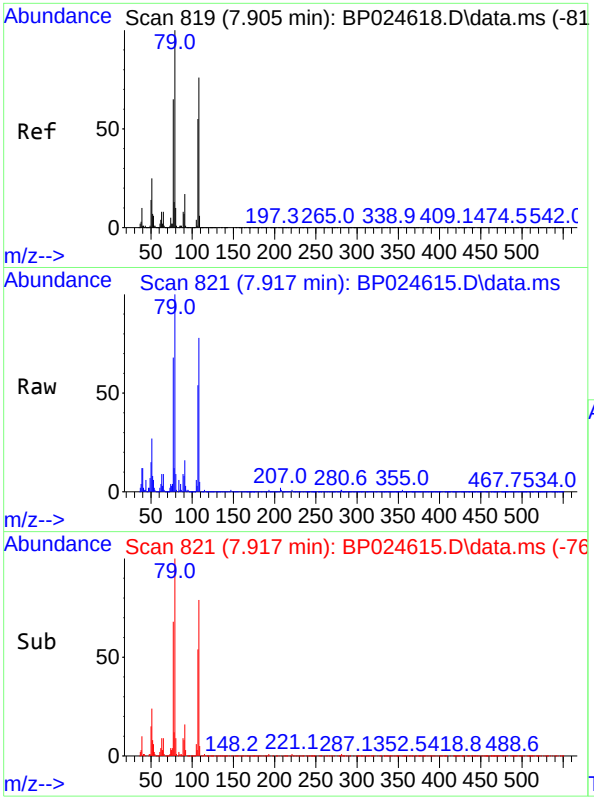


#14
1,2-Dichlorobenzene
Concen: 5.11 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 34458

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	43.7	35.2	52.8

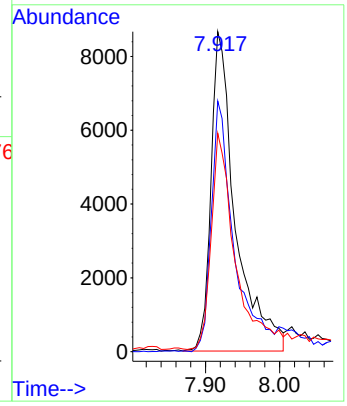




#15
Benzyl Alcohol
Concen: 3.89 ng
RT: 7.917 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 1988

Ion	Ratio	Lower	Upper
79	100		
108	78.3	60.8	91.2
77	68.2	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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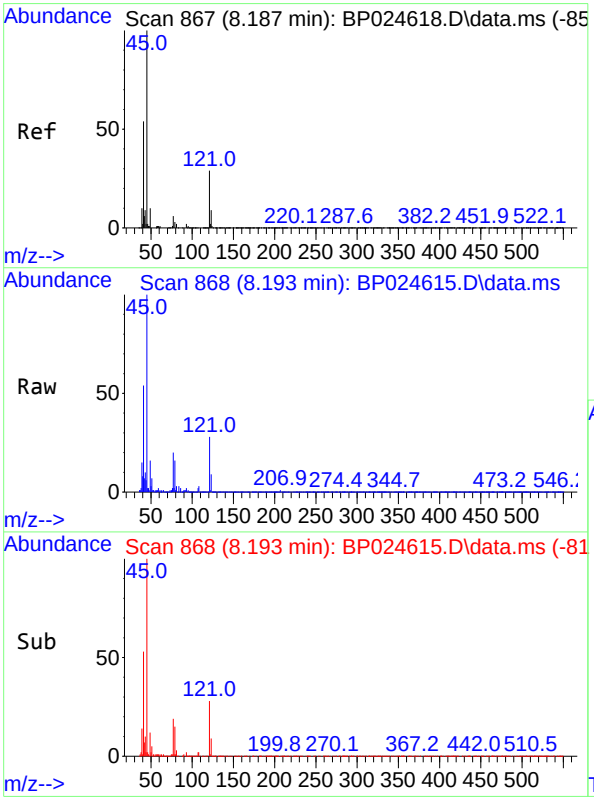
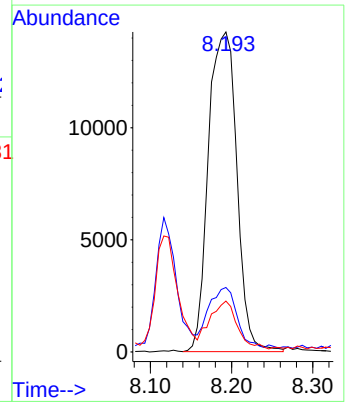
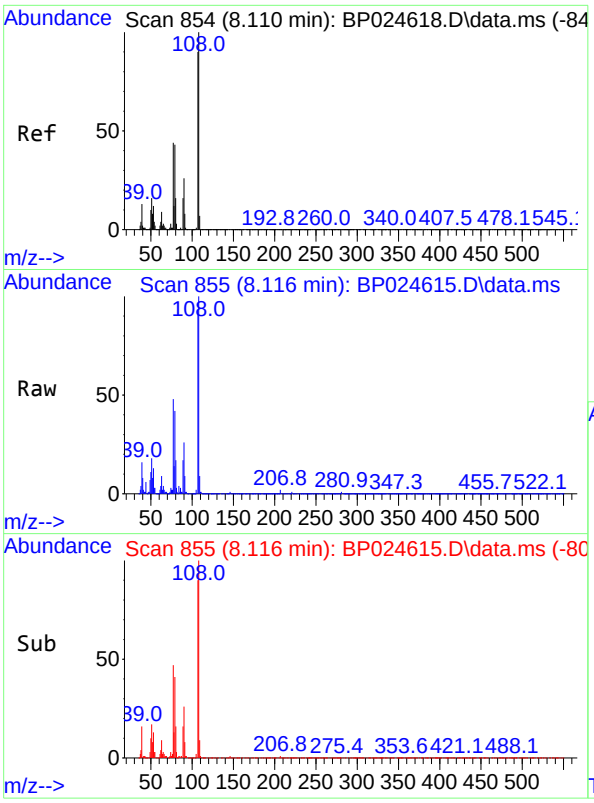


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.09 ng
RT: 8.193 min Scan# 868
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 45 Resp: 34754

Ion	Ratio	Lower	Upper
45	100		
77	20.2	0.0	37.7
79	15.9	0.0	34.0

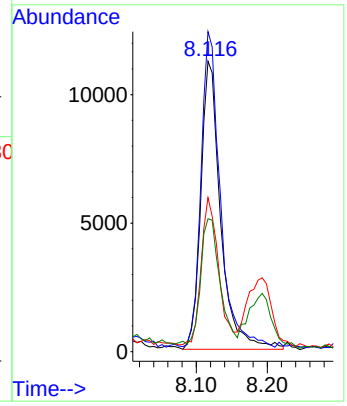




#17
2-Methylphenol
Concen: 4.37 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2175

Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.9	133.3
77	53.0	39.0	58.6
79	45.8	38.4	57.6



Instrument :
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ClientSampleId :
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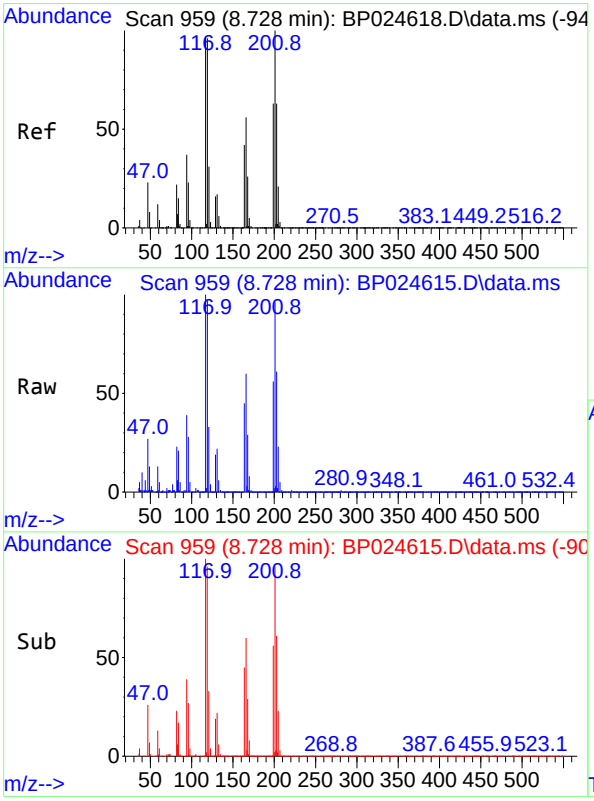
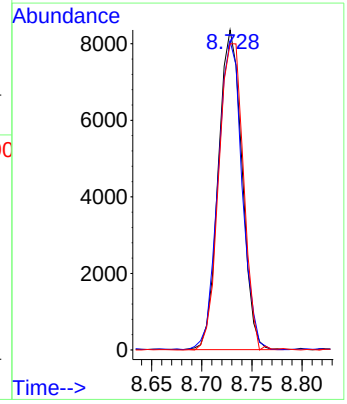
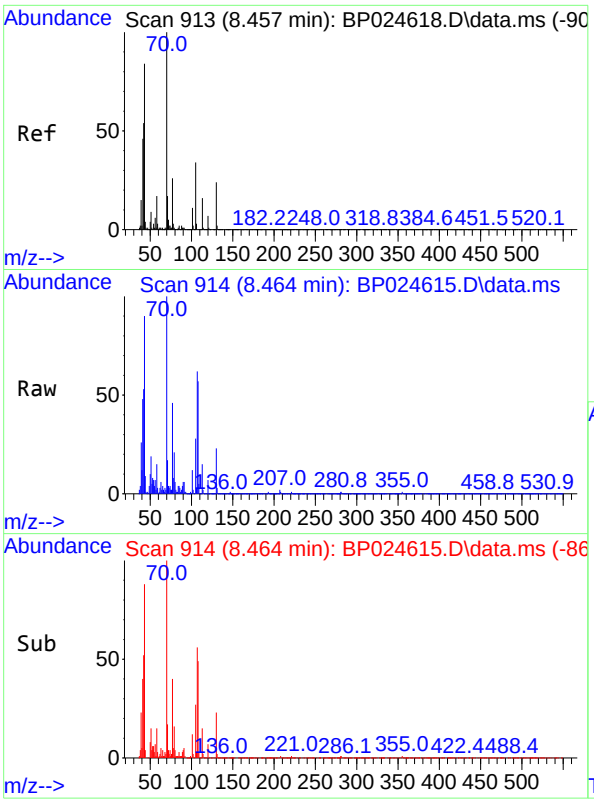


#18
Hexachloroethane
Concen: 5.15 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:117 Resp: 13650

Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.4	119.0
201	98.3	82.7	124.1

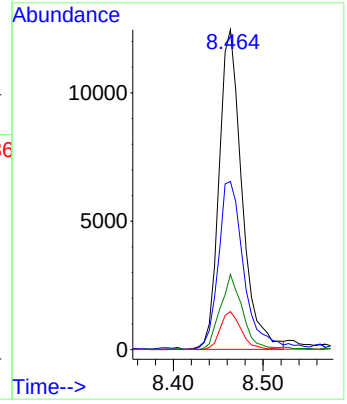




#19
n-Nitroso-di-n-propylamine
Concen: 4.73 ng
RT: 8.464 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 70 Resp: 2201

Ion	Ratio	Lower	Upper
70	100		
42	52.6	43.0	64.6
101	11.9	8.7	13.1
130	23.5	19.4	29.0



Instrument :
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ClientSampleId :
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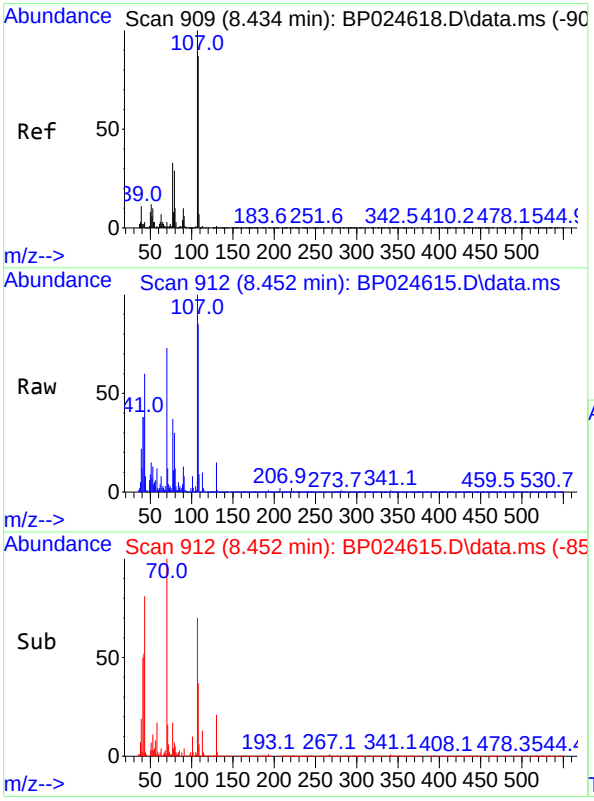
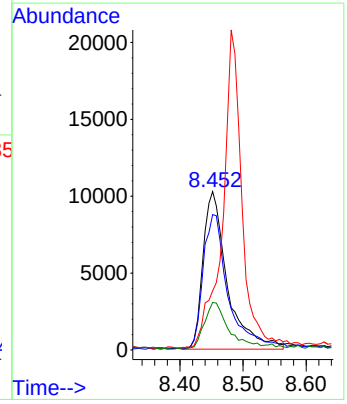
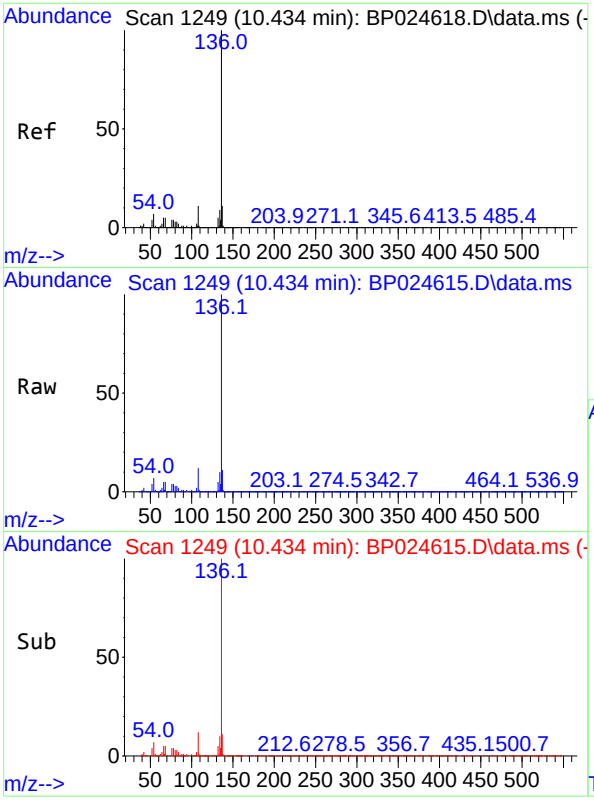


#20
3+4-Methylphenols
Concen: 4.06 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 27500

Ion	Ratio	Lower	Upper
107	100		
108	85.4	66.7	106.7
77	37.3	13.1	53.1
79	29.9	8.9	48.9

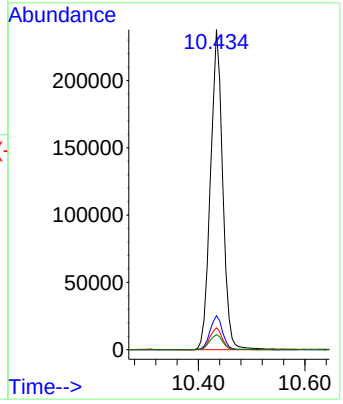




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:136 Resp: 37805

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	4.7	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
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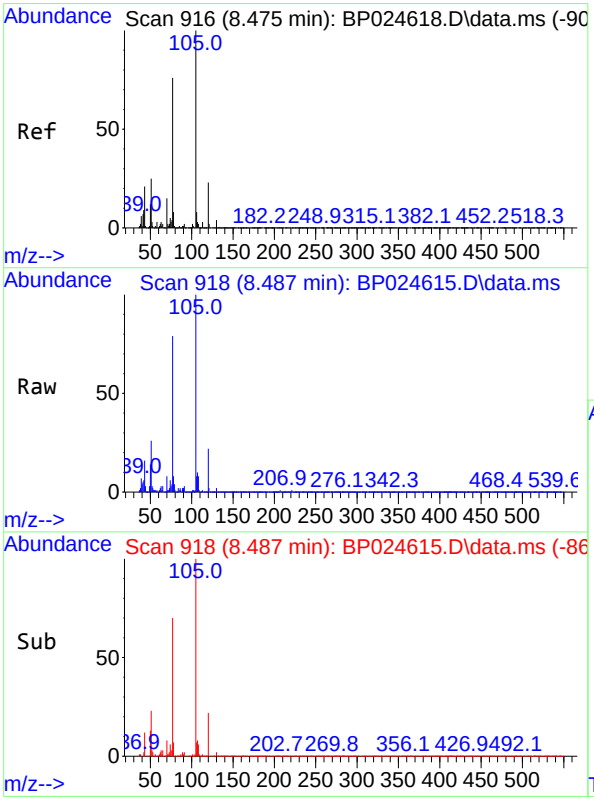
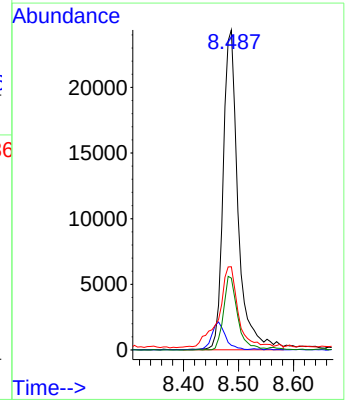
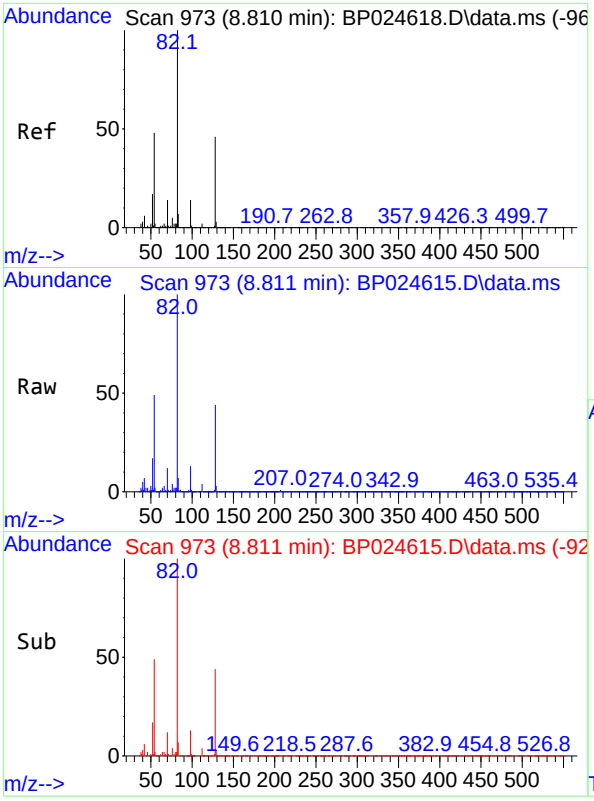


#22
Acetophenone
Concen: 4.87 ng
RT: 8.487 min Scan# 918
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:105 Resp: 45968

Ion	Ratio	Lower	Upper
105	100		
71	1.4	2.0	3.0#
51	26.0	20.4	30.6
120	22.4	18.1	27.1

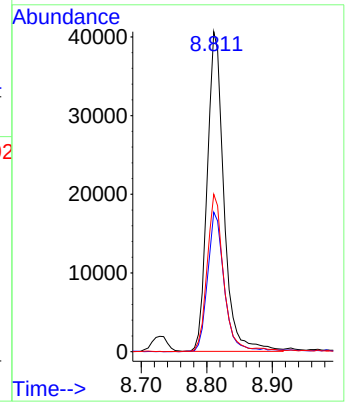




#23
Nitrobenzene-d5
Concen: 9.63 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 7205

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	49.2	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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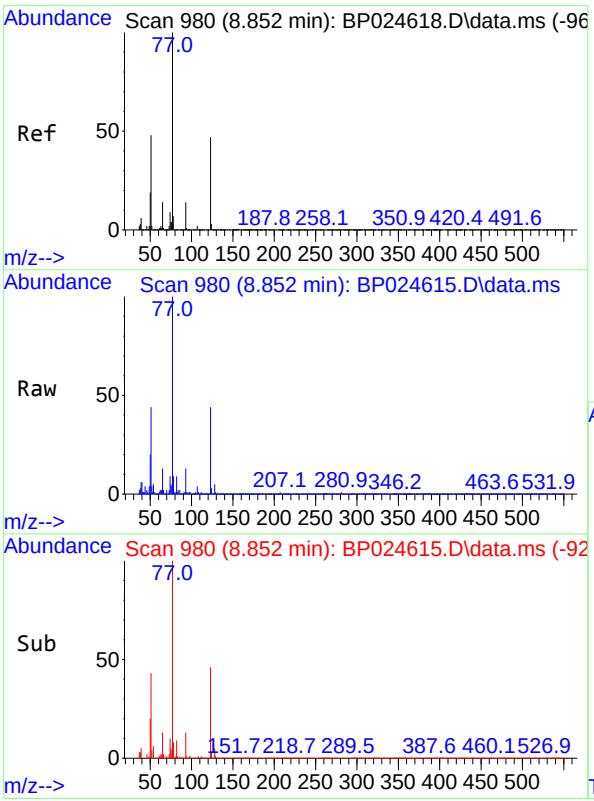
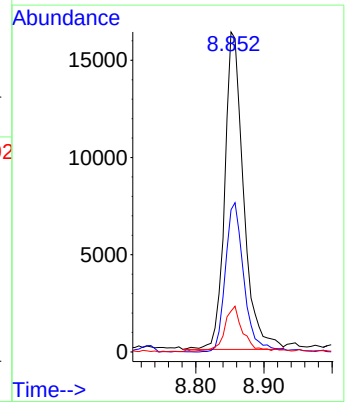
Supervised By :Jagrut Upadhyay 05/14/2025

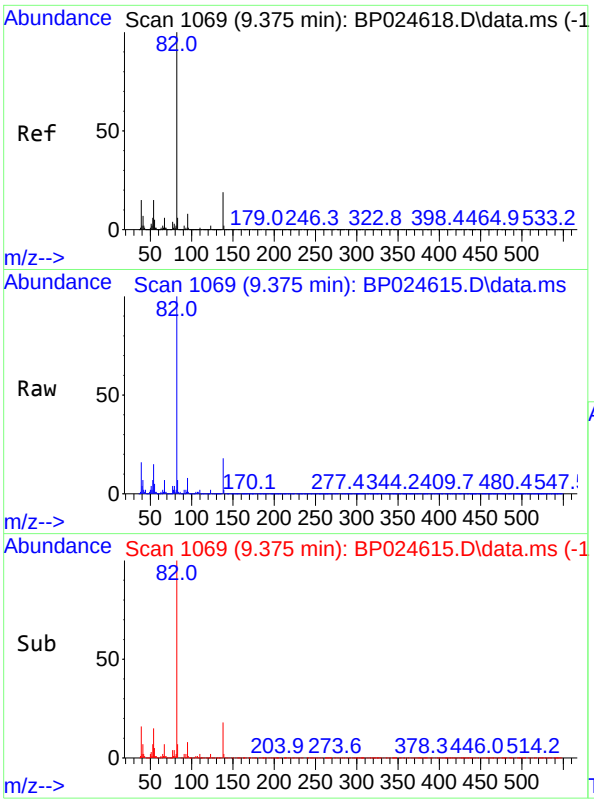


#24
Nitrobenzene
Concen: 4.78 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 31500

Ion	Ratio	Lower	Upper
77	100		
123	44.5	37.4	56.0
65	12.7	11.3	16.9

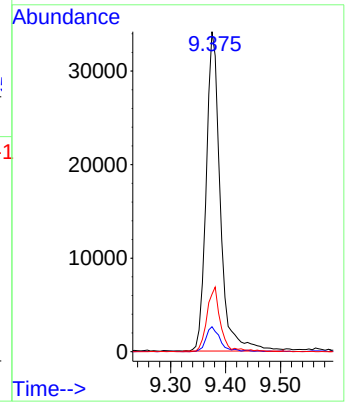




#25
Isophorone
Concen: 4.69 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 6085

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.3	9.5
138	17.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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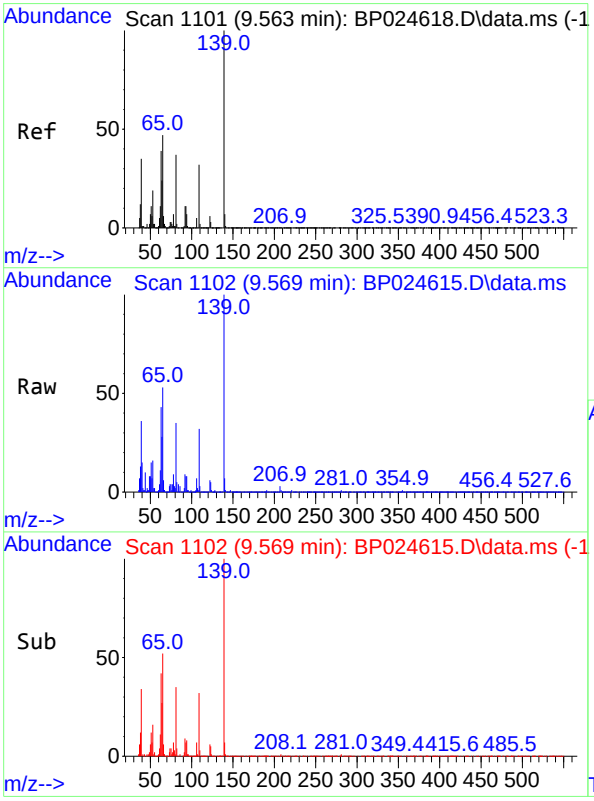
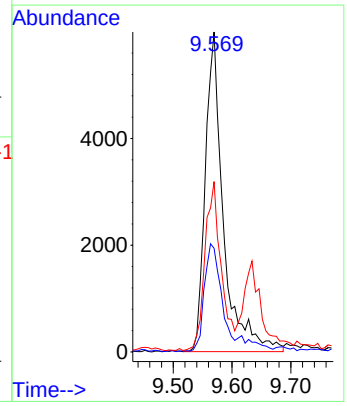
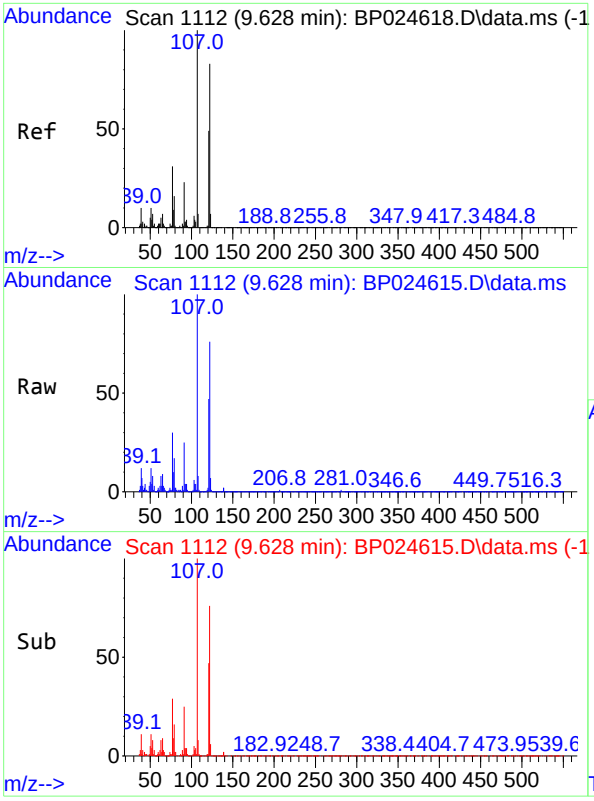


#26
2-Nitrophenol
Concen: 3.96 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 12786

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	53.2	37.9	56.9

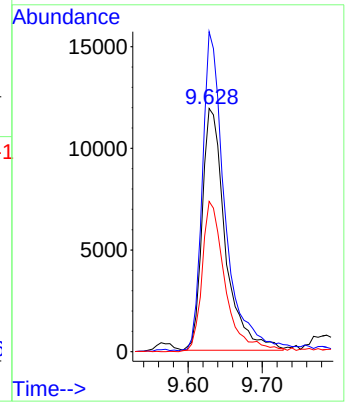




#27
2,4-Dimethylphenol
Concen: 4.54 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:122 Resp: 2583

Ion	Ratio	Lower	Upper
122	100		
107	131.6	96.2	144.2
121	61.8	47.6	71.4



Instrument :
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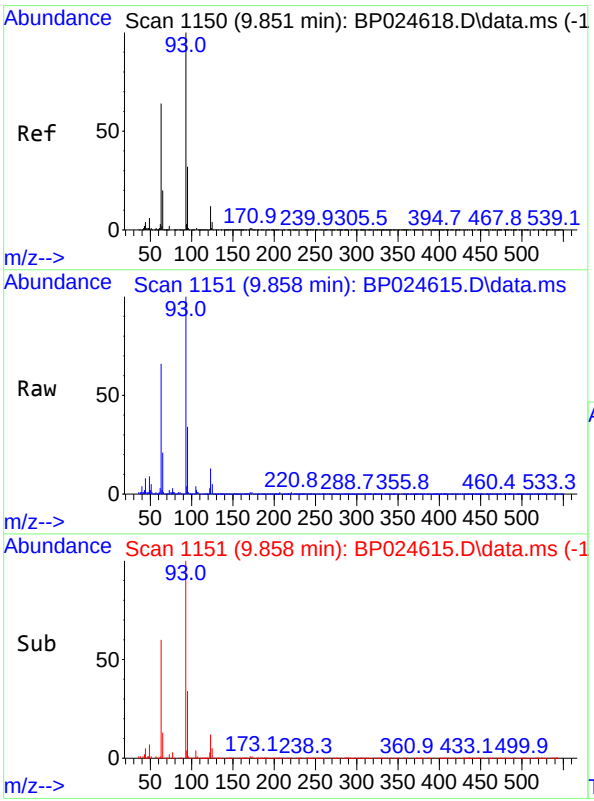
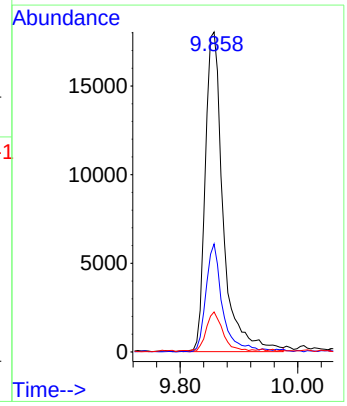
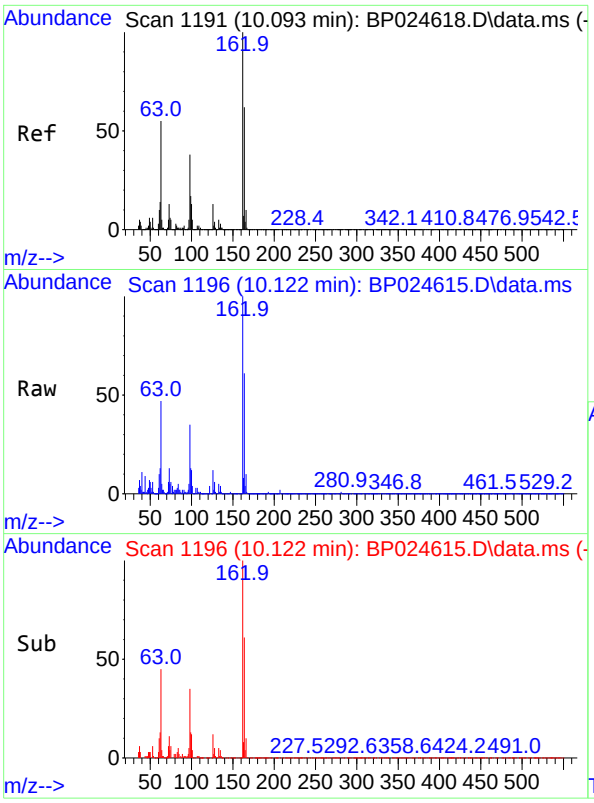


#28
bis(2-Chloroethoxy)methane
Concen: 4.91 ng
RT: 9.858 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38071

Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.5	38.3
123	12.5	9.7	14.5

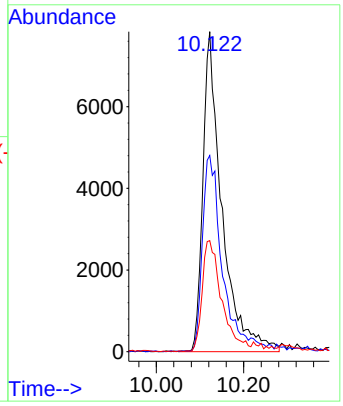




#29
2,4-Dichlorophenol
Concen: 4.29 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.030 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 2362

Ion	Ratio	Lower	Upper
162	100		
164	61.3	42.3	82.3
98	34.7	18.4	58.4



Instrument :
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ClientSampleId :
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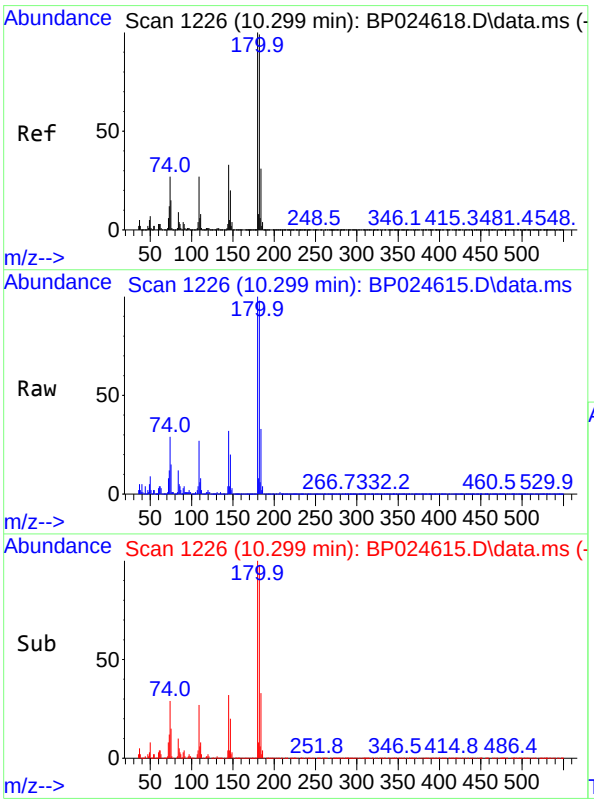
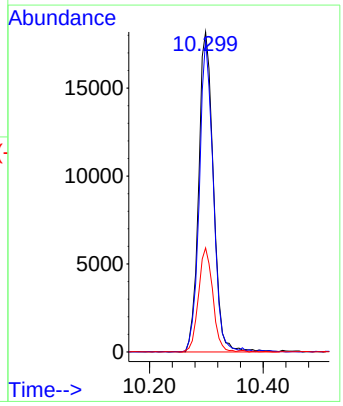
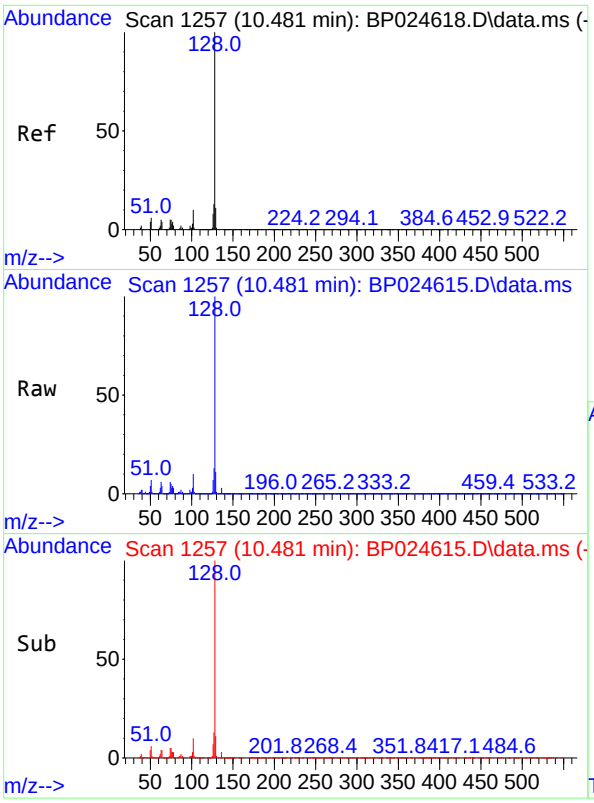


#30
1,2,4-Trichlorobenzene
Concen: 5.26 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:180 Resp: 32699

Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.0	118.4
145	32.5	26.6	39.8

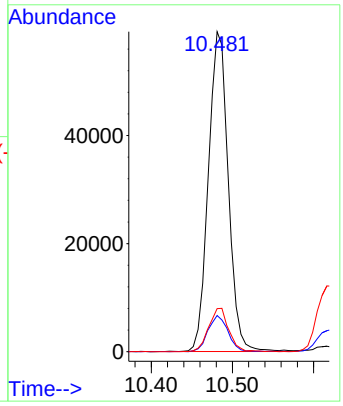




#31
Naphthalene
Concen: 5.13 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 10056

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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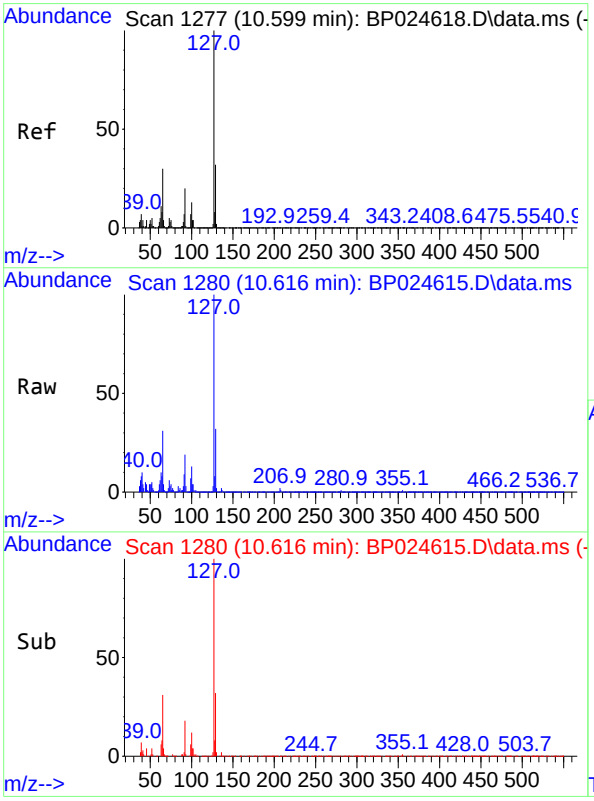
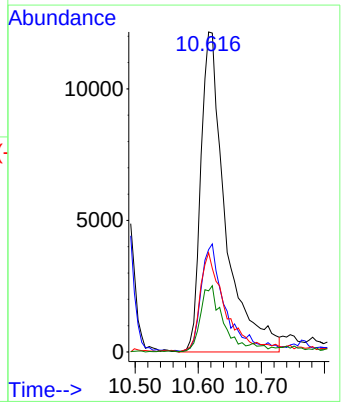
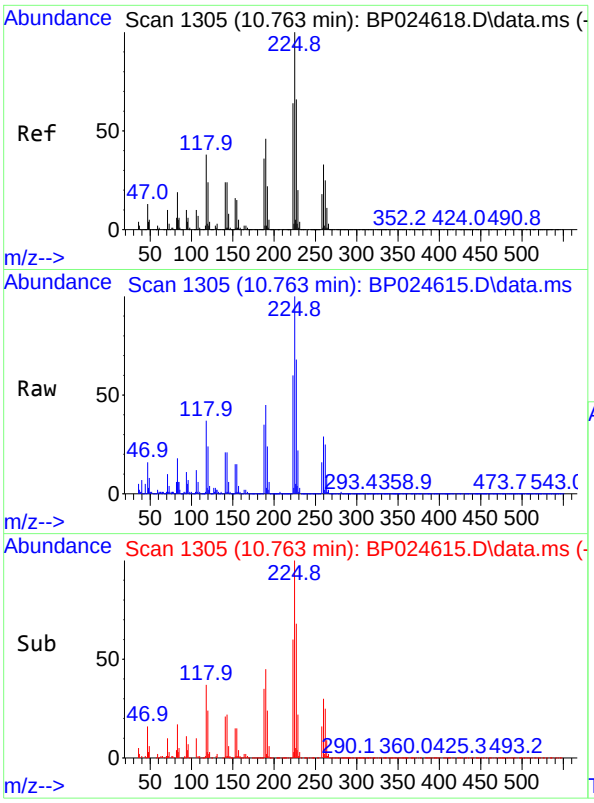


#33
4-Chloroaniline
Concen: 4.16 ng
RT: 10.616 min Scan# 1280
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:127 Resp: 32908

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	31.0	23.9	35.9
92	19.1	16.1	24.1

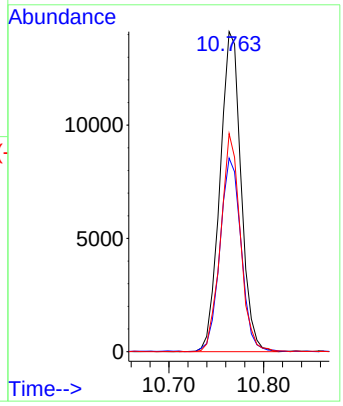




#34
Hexachlorobutadiene
Concen: 5.43 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:225 Resp: 2183

Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.0	76.6
227	71.7	53.1	79.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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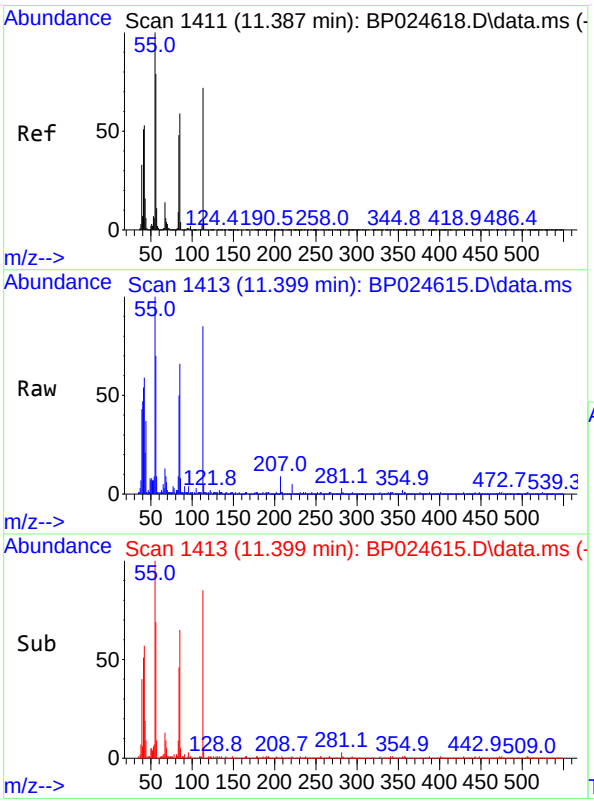
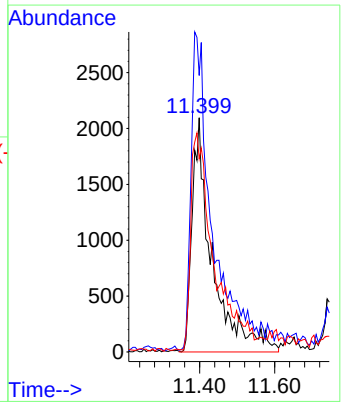
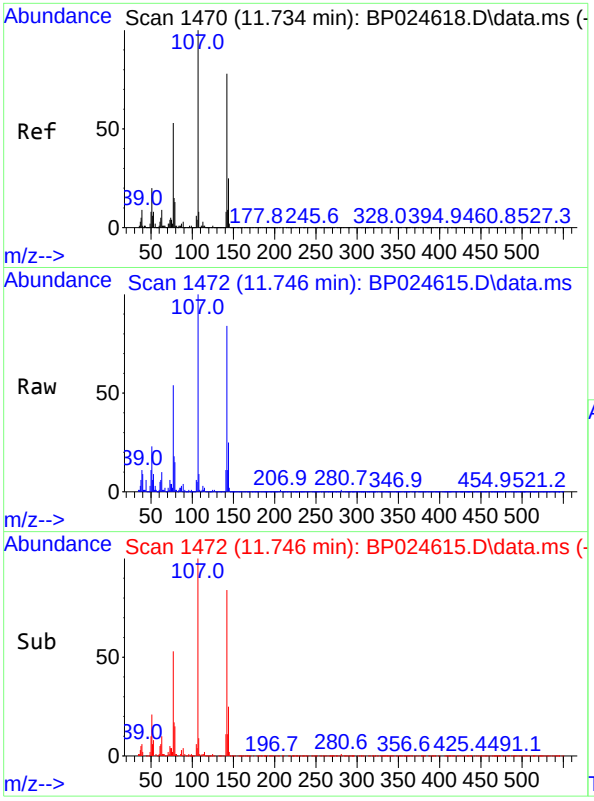


#35
Caprolactam
Concen: 3.88 ng m
RT: 11.399 min Scan# 1413
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:113 Resp: 7742

Ion	Ratio	Lower	Upper
113	100		
55	118.0	119.0	159.0#
56	82.4	90.3	130.3#

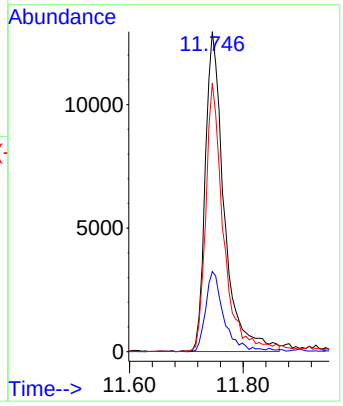




#36
4-Chloro-3-methylphenol
Concen: 4.44 ng
RT: 11.746 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2984

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.1	30.1
142	83.9	62.1	93.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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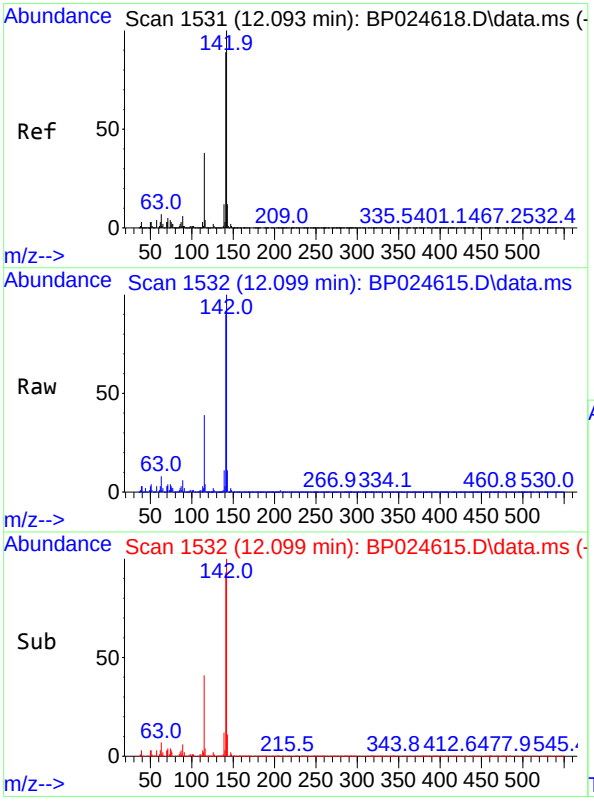
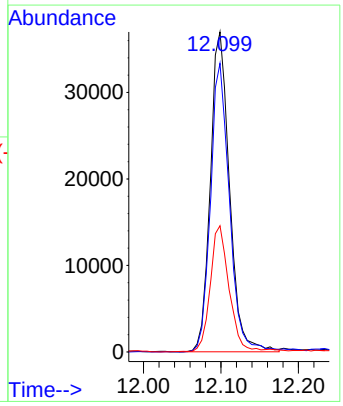
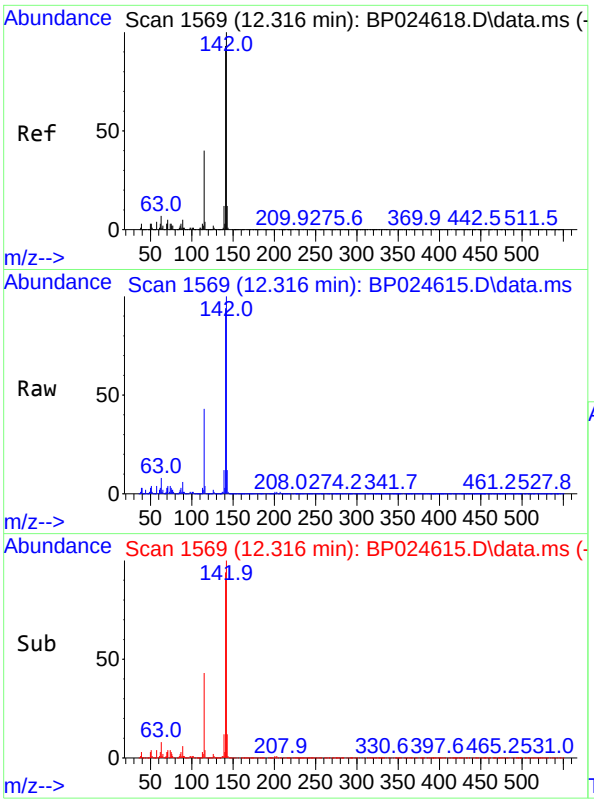


#37
2-Methylnaphthalene
Concen: 5.01 ng
RT: 12.099 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 63562

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.2	106.8
115	39.4	30.6	46.0

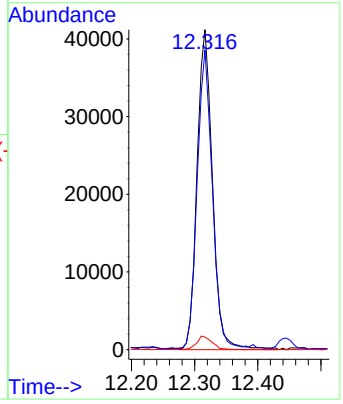




#38
1-Methylnaphthalene
Concen: 5.16 ng
RT: 12.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 7004

Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	4.0	3.4	5.2



Instrument :
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ClientSampleId :
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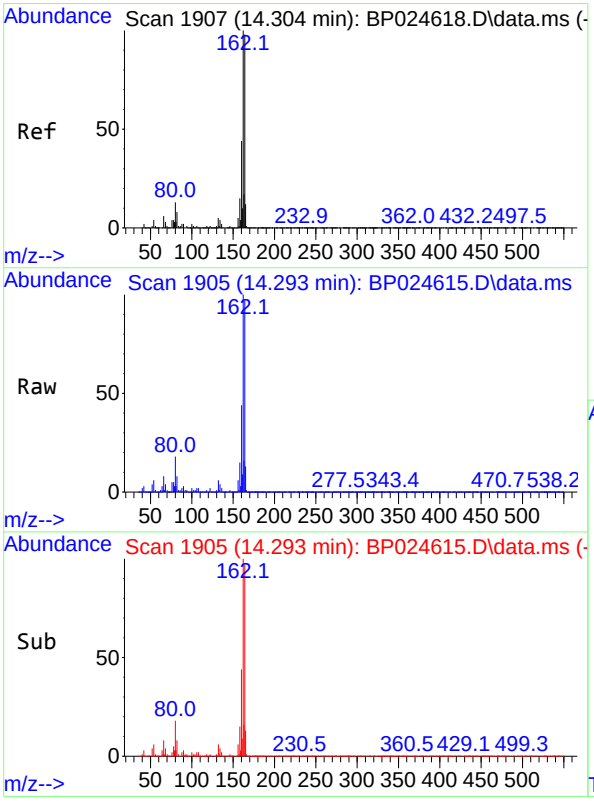
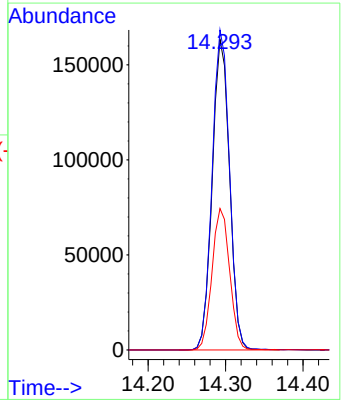
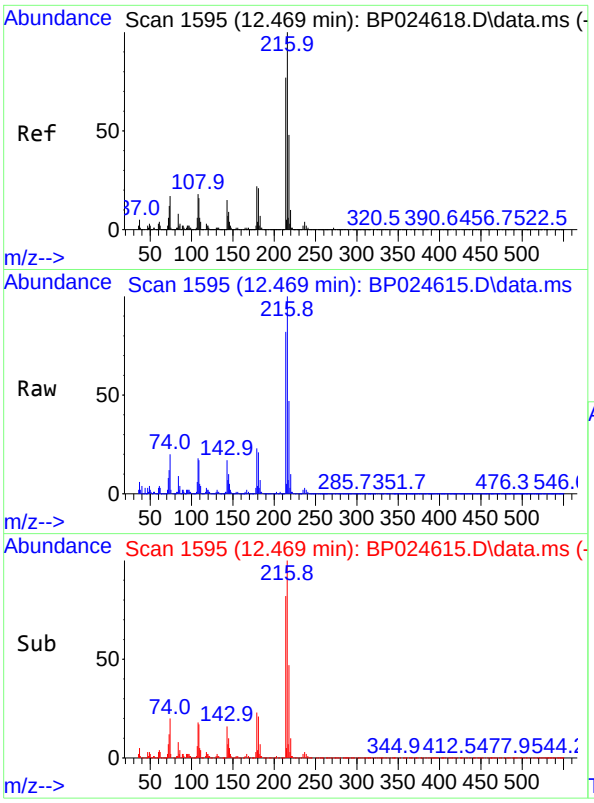


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:164 Resp: 254561

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.6
160	45.5	36.3	54.5

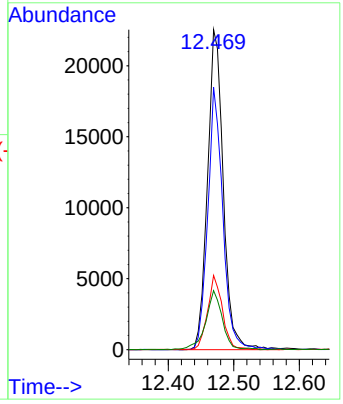




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.11 ng
RT: 12.469 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:216 Resp: 3773

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	22.0	17.7	26.5
108	19.0	16.0	24.0



Instrument :
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ClientSampleId :
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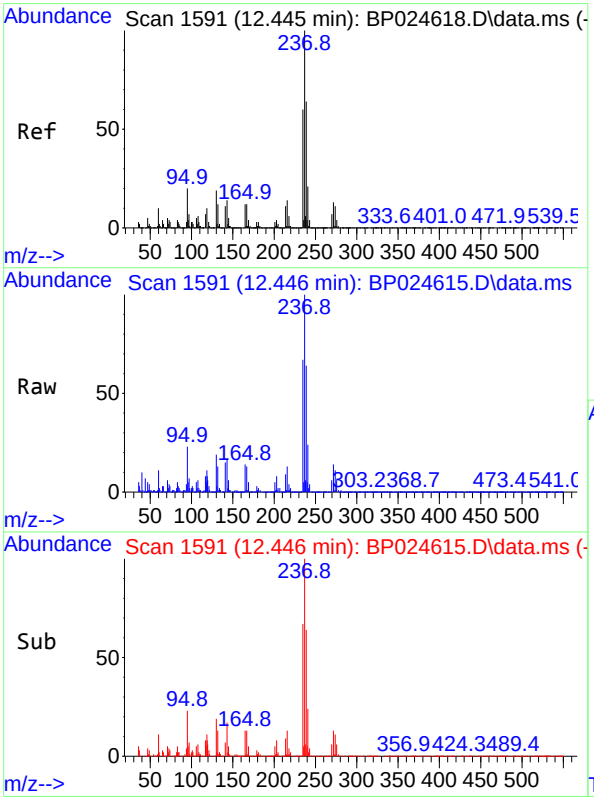
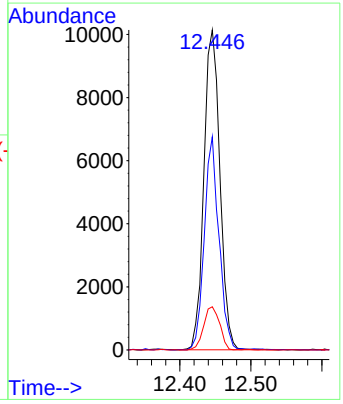
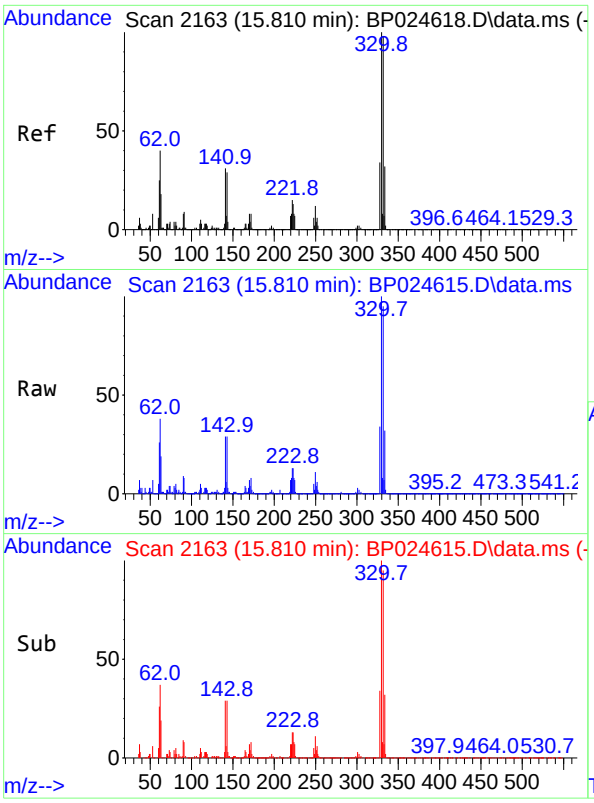


#41
Hexachlorocyclopentadiene
Concen: 3.56 ng
RT: 12.446 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:237 Resp: 15939

Ion	Ratio	Lower	Upper
237	100		
235	66.6	39.9	79.9
272	13.5	0.0	33.2

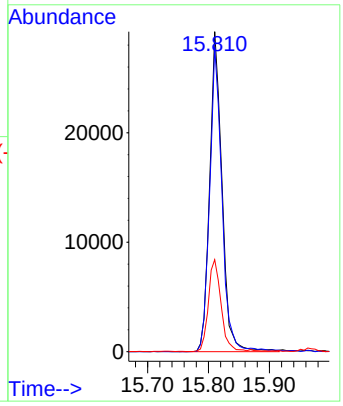




#42
2,4,6-Tribromophenol
Concen: 9.55 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:330 Resp: 4121

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.2	117.4
141	29.5	24.3	36.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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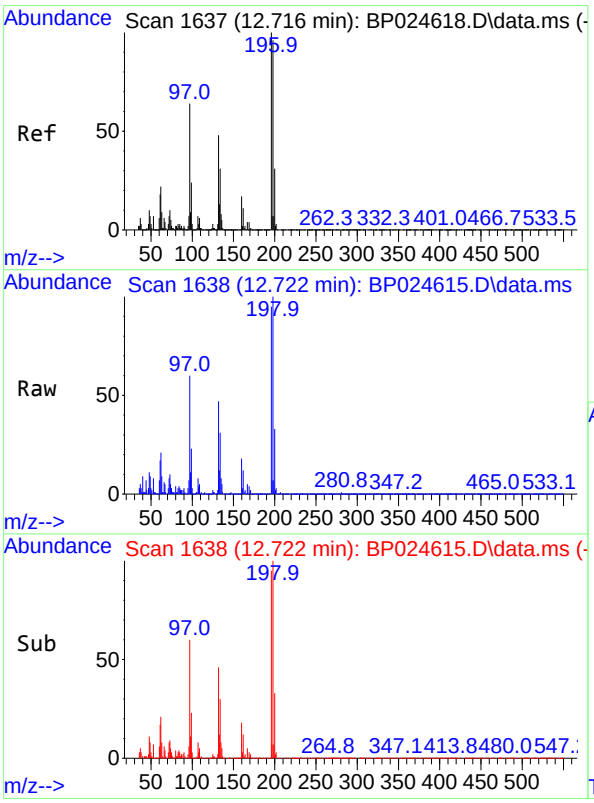
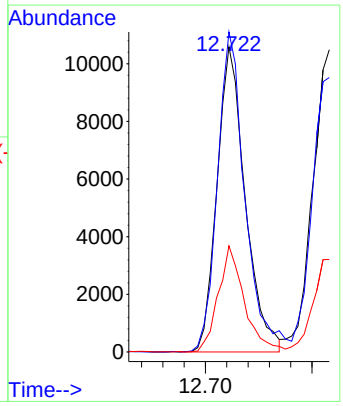
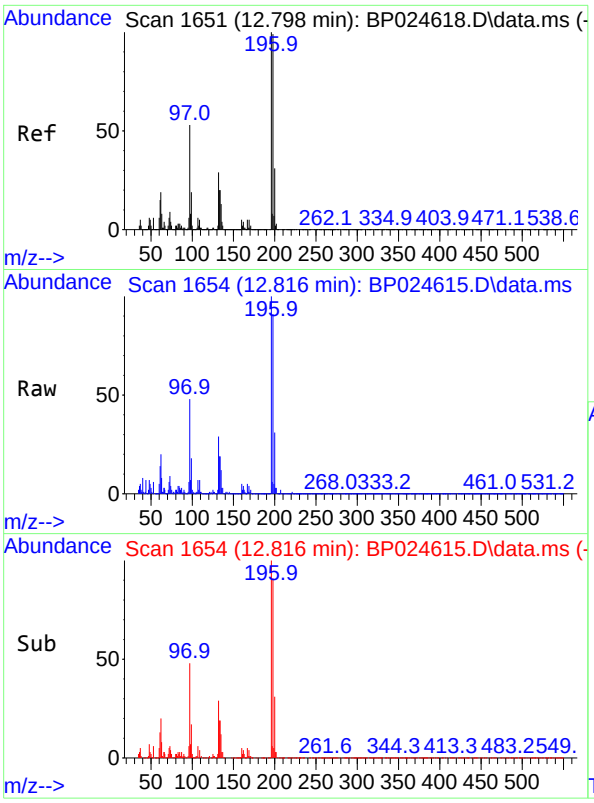


#43
2,4,6-Trichlorophenol
Concen: 4.06 ng
RT: 12.722 min Scan# 1638
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 19429

Ion	Ratio	Lower	Upper
196	100		
198	104.9	76.9	115.3
200	34.8	25.2	37.8

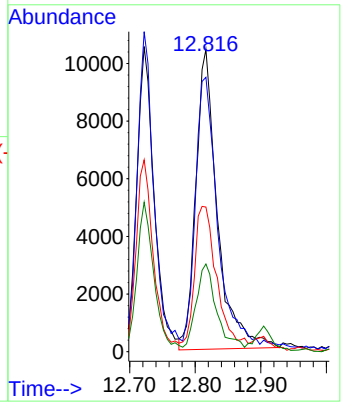




#44
2,4,5-Trichlorophenol
Concen: 4.49 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 2391

Ion	Ratio	Lower	Upper
196	100		
198	90.8	79.2	118.8
97	47.8	42.3	63.5
132	29.0	23.3	34.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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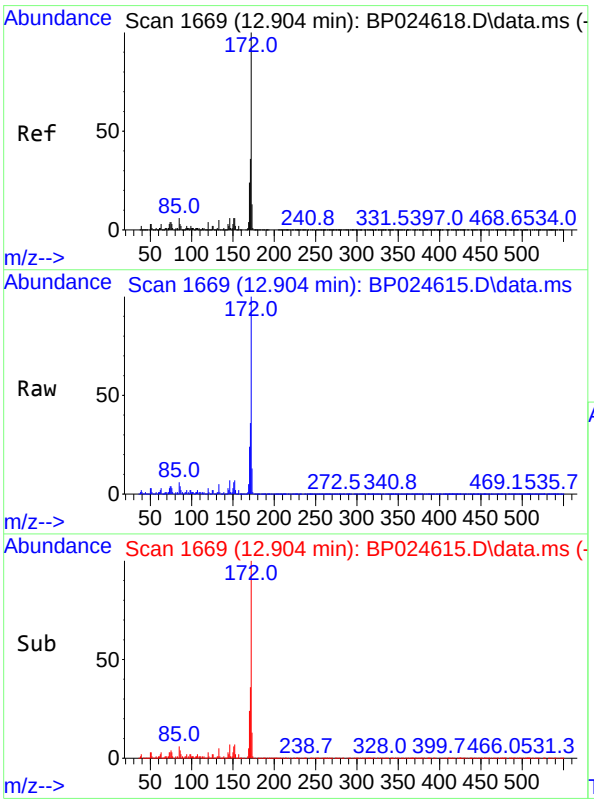
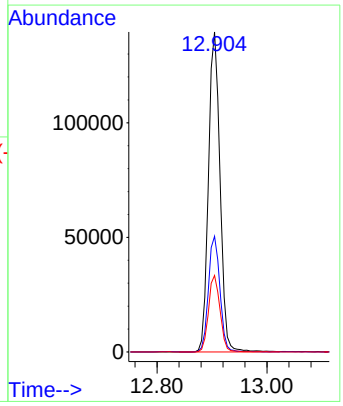
Supervised By :Jagrut Upadhyay 05/14/2025

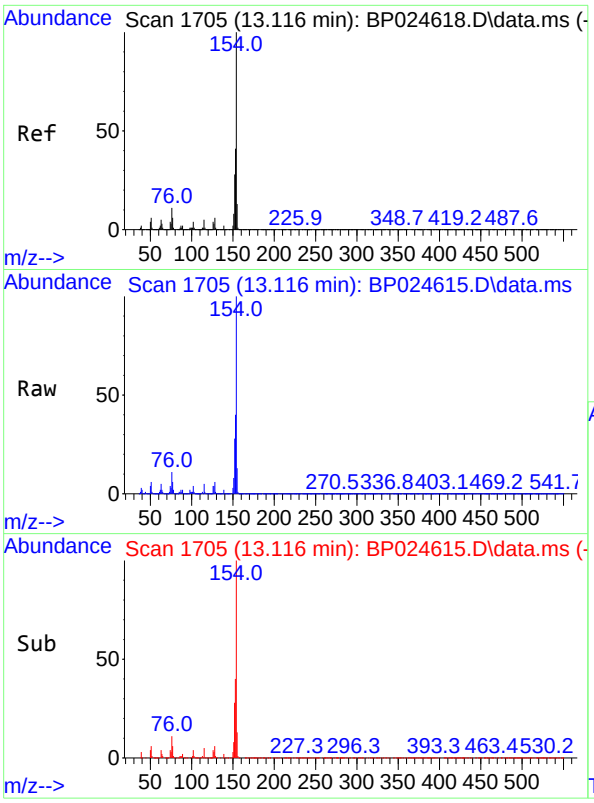


#45
2-Fluorobiphenyl
Concen: 10.48 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:172 Resp: 203719

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.9	18.8	28.2

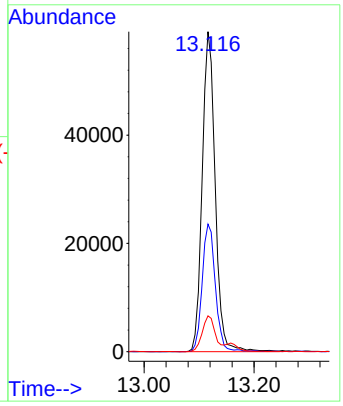




#46
1,1'-Biphenyl
Concen: 5.15 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 9695

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.0	61.0
76	11.2	0.0	31.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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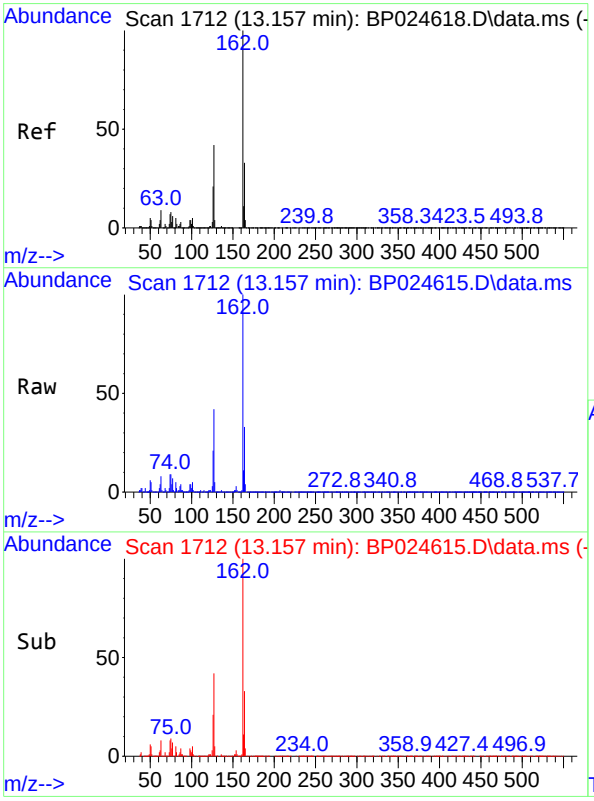
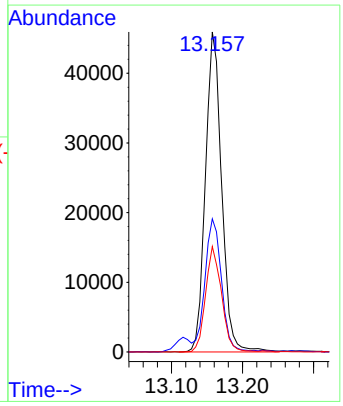
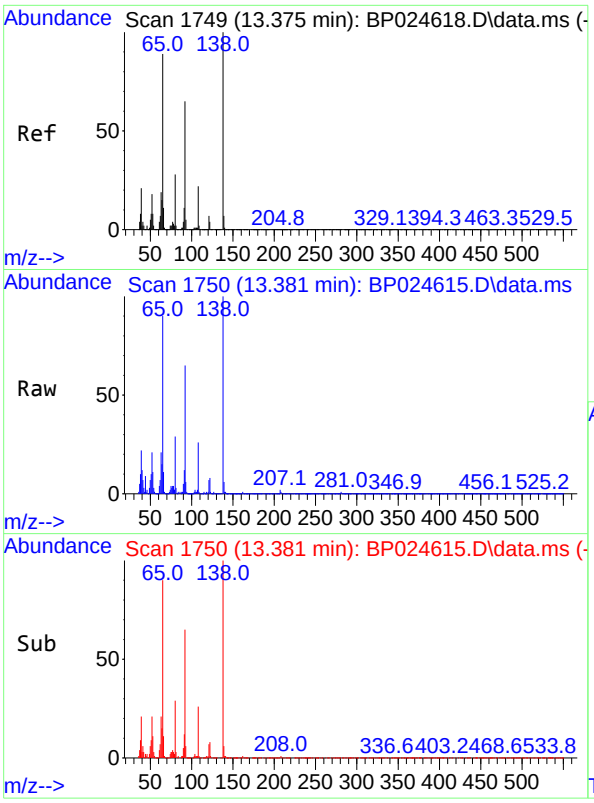


#47
2-Chloronaphthalene
Concen: 5.09 ng
RT: 13.157 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 72977

Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.8	50.6
164	33.0	26.0	39.0

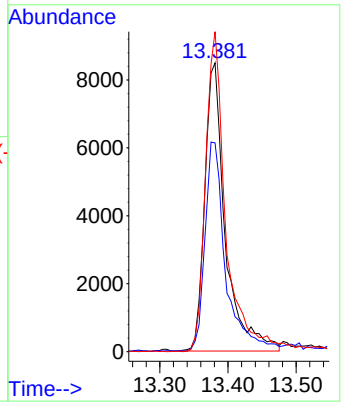




#48
2-Nitroaniline
Concen: 4.19 ng
RT: 13.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 65 Resp: 1777

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.7	88.1
138	110.8	90.2	135.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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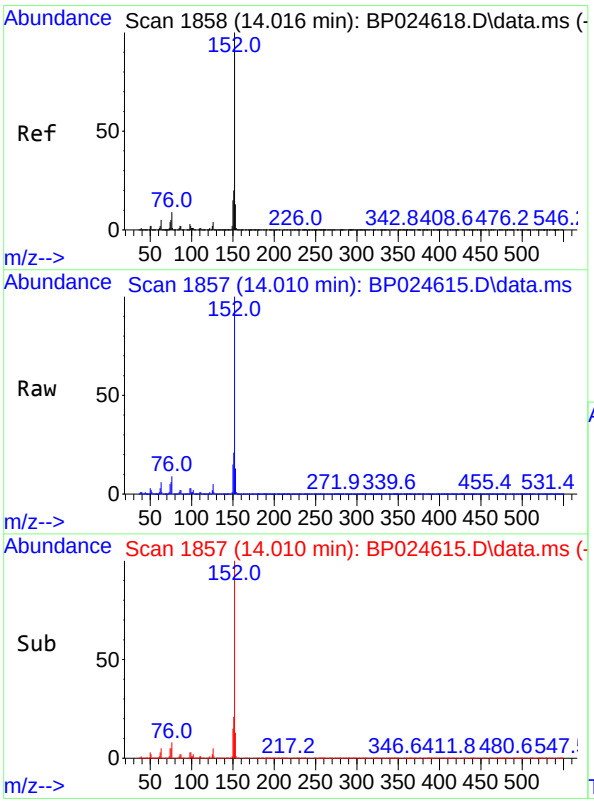
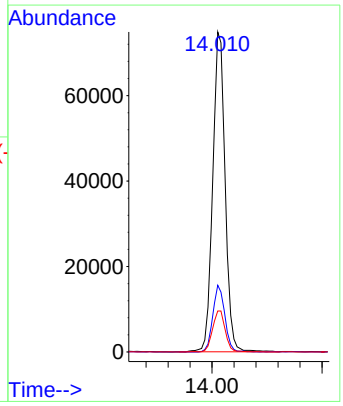
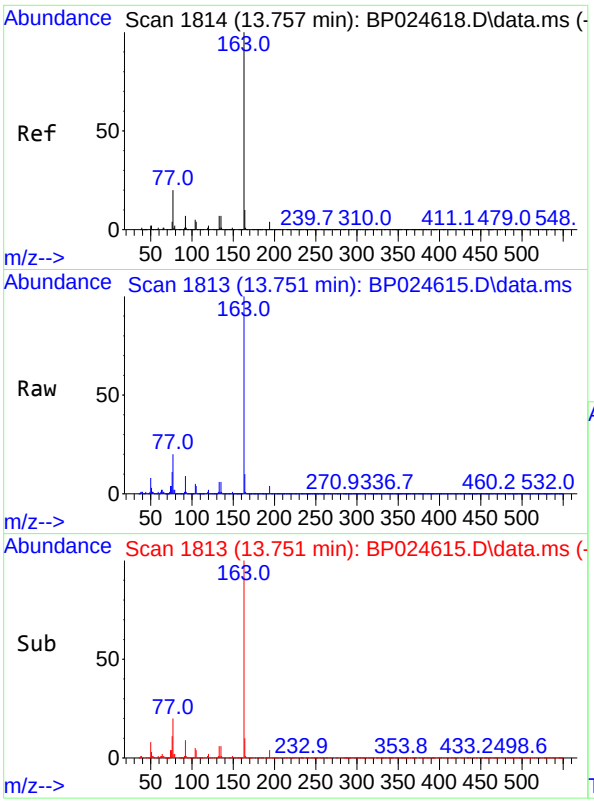


#49
Acenaphthylene
Concen: 4.89 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 117448

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.4
153	12.8	10.2	15.4

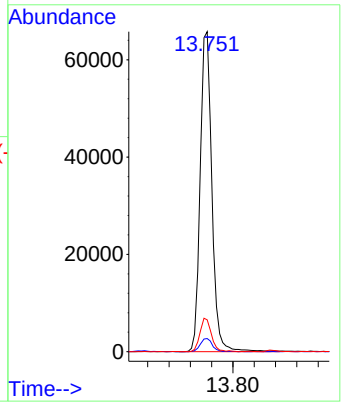




#50
Dimethylphthalate
Concen: 5.15 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:163 Resp: 9994

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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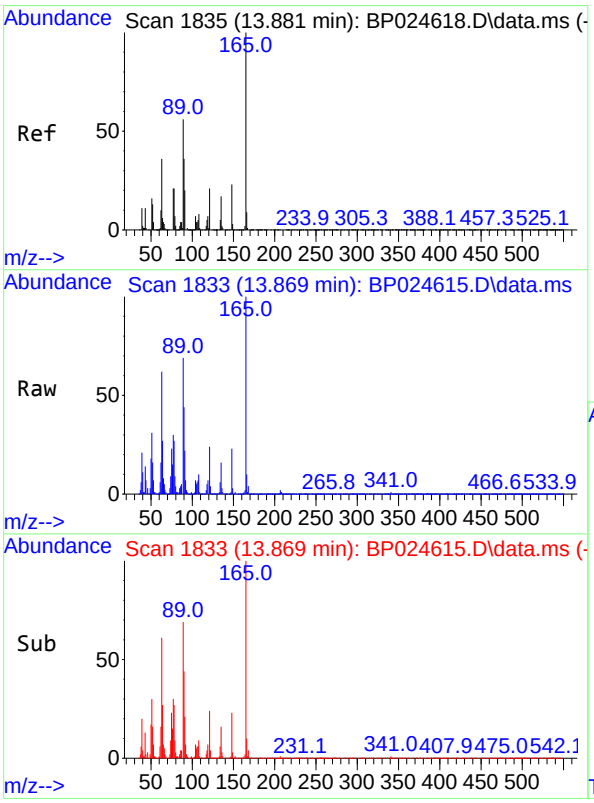
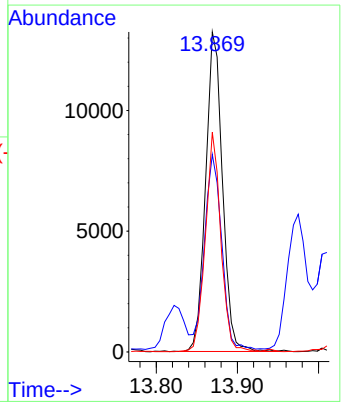
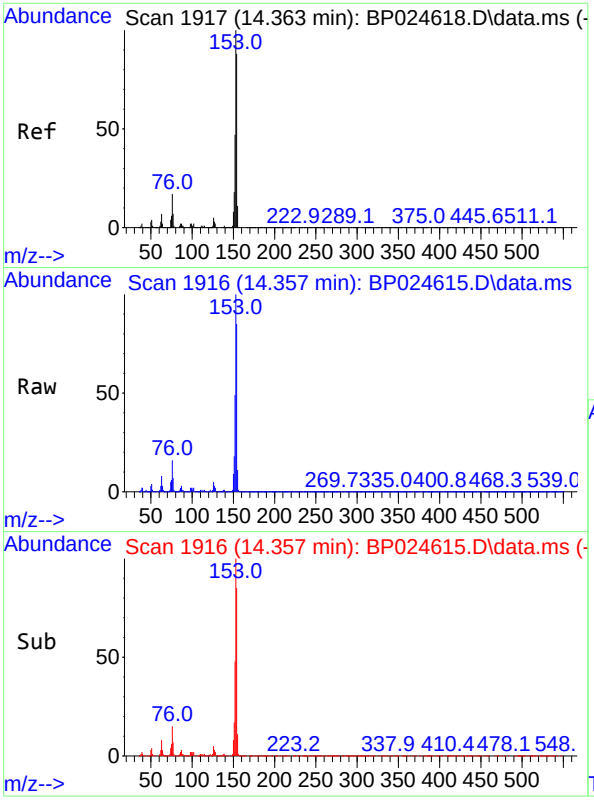


#51
2,6-Dinitrotoluene
Concen: 4.65 ng
RT: 13.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 19052

Ion	Ratio	Lower	Upper
165	100		
63	61.7	42.4	63.6
89	68.7	44.8	67.2#

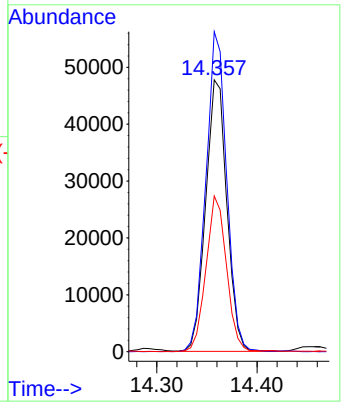




#52
Acenaphthene
Concen: 5.09 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 7030

Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.0	136.4
152	57.3	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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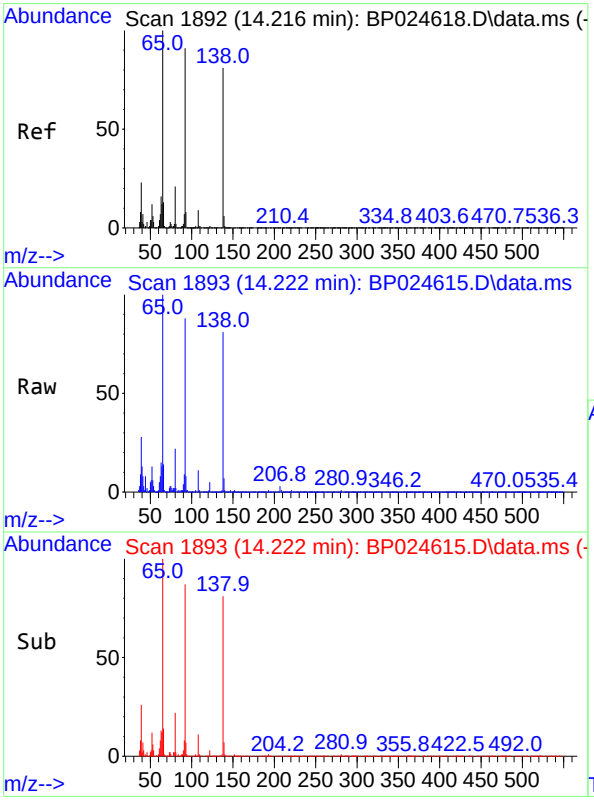
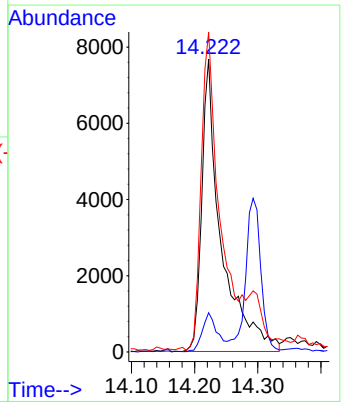
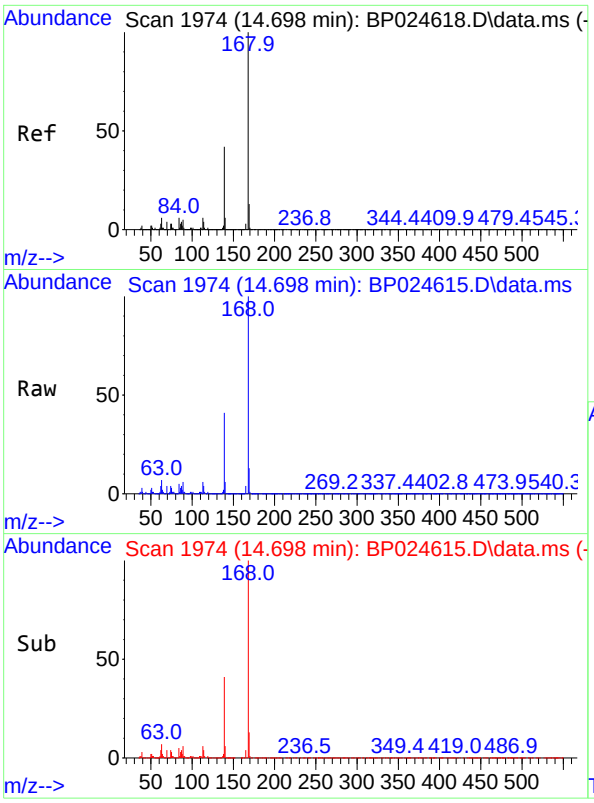


#53
3-Nitroaniline
Concen: 3.92 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 16400

Ion	Ratio	Lower	Upper
138	100		
108	13.4	9.0	13.4
92	109.3	90.1	135.1

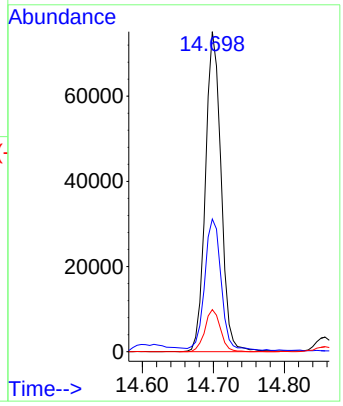




#55
Dibenzofuran
Concen: 5.23 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:168 Resp: 11518

Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.2	51.4
169	13.2	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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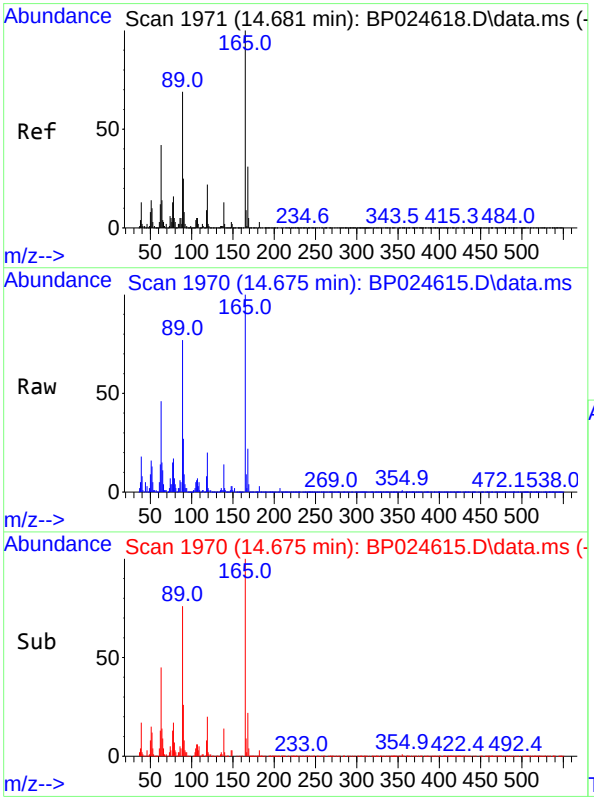
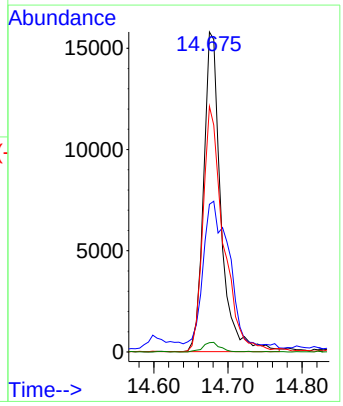
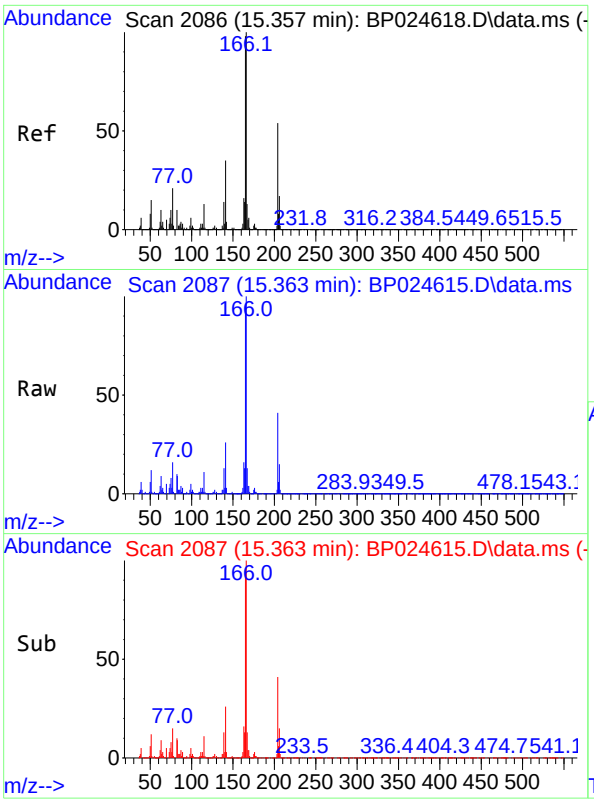


#57
2,4-Dinitrotoluene
Concen: 4.41 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 25481

Ion	Ratio	Lower	Upper
165	100		
63	46.2	33.8	50.6
89	76.8	55.6	83.4
182	2.9	2.4	3.6

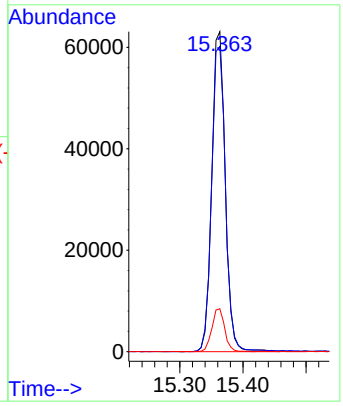




#58
Fluorene
Concen: 5.20 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:166 Resp: 9330

Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.5	117.7
167	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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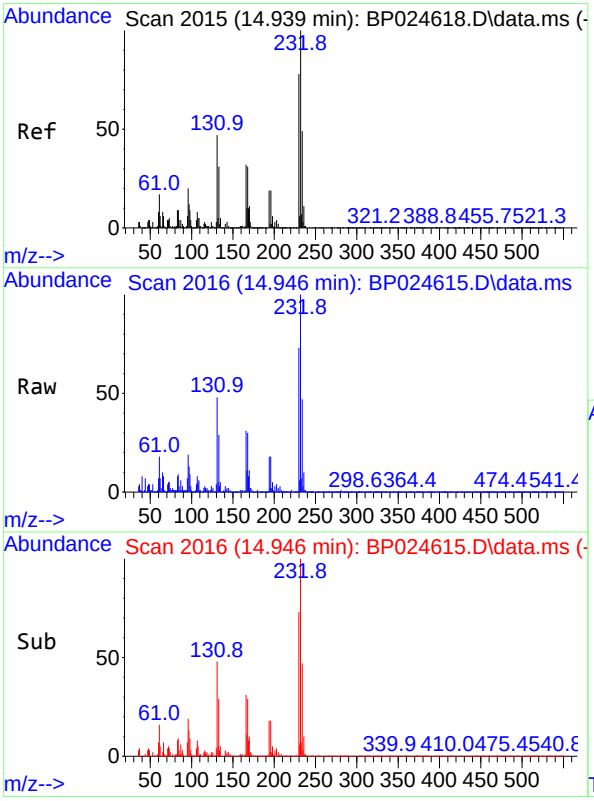
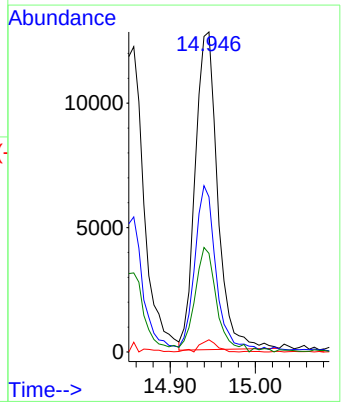
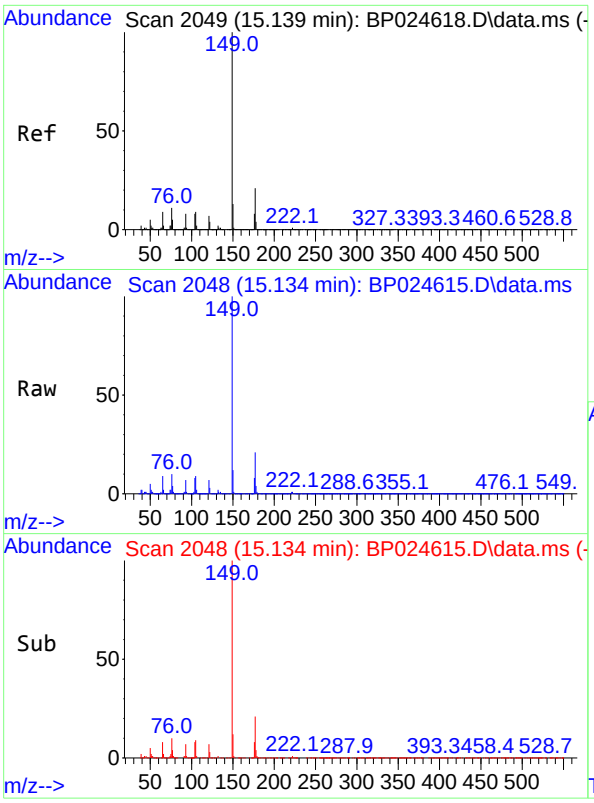


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.73 ng
RT: 14.946 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:232 Resp: 23382

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.5	59.3
130	3.0	2.2	3.4
166	30.5	25.7	38.5

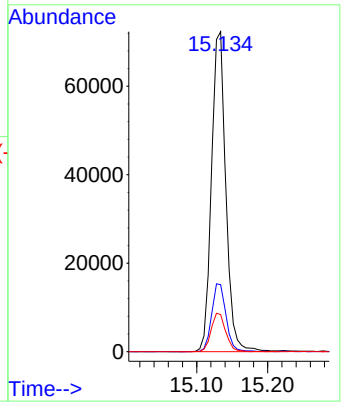




#60
Diethylphthalate
Concen: 5.17 ng
RT: 15.134 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 10136

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	11.6	10.2	15.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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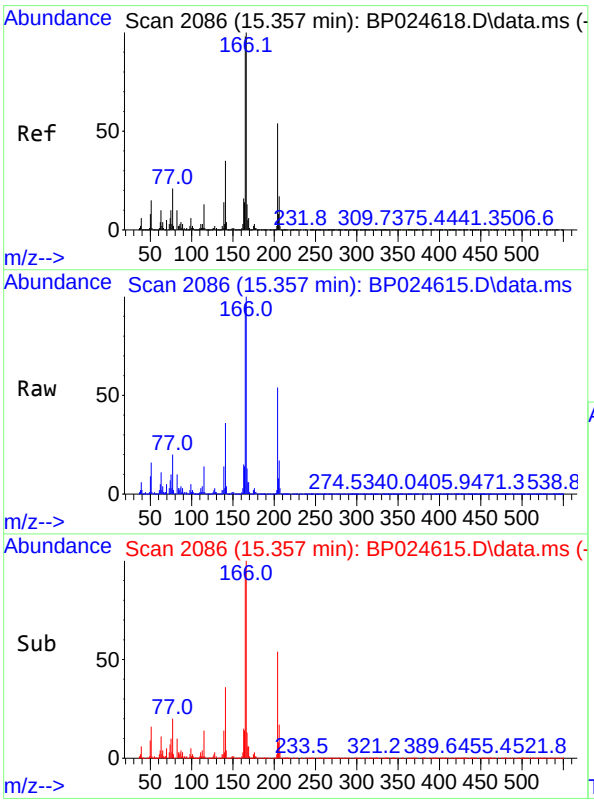
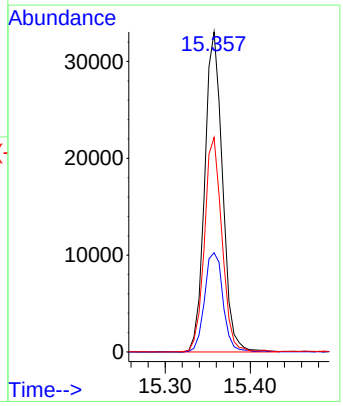
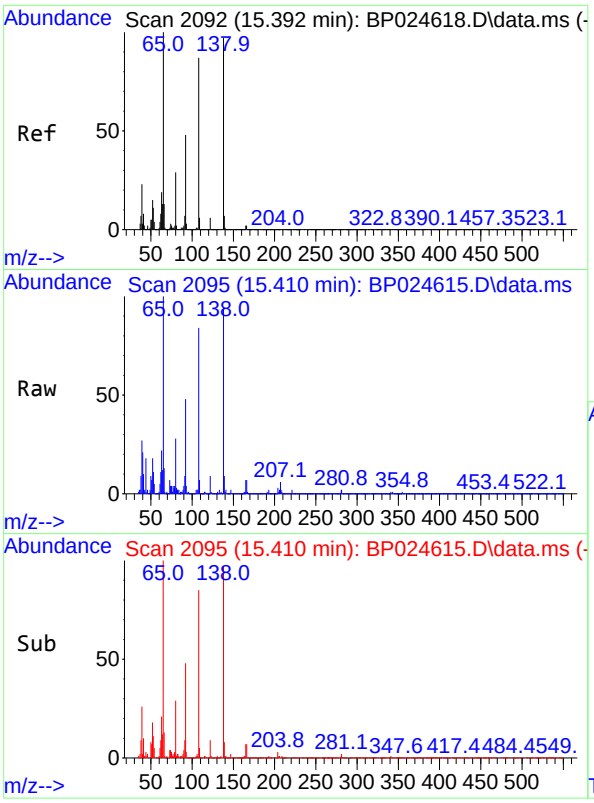


#61
4-Chlorophenyl-phenylether
Concen: 5.35 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:204 Resp: 47886

Ion	Ratio	Lower	Upper
204	100		
206	31.0	26.0	39.0
141	67.1	52.9	79.3





#62
4-Nitroaniline
Concen: 3.55 ng m
RT: 15.410 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 1448

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.2	69.2
108	88.5	69.0	109.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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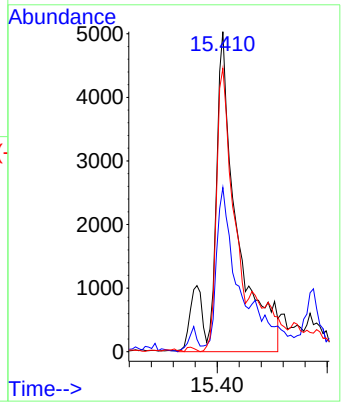
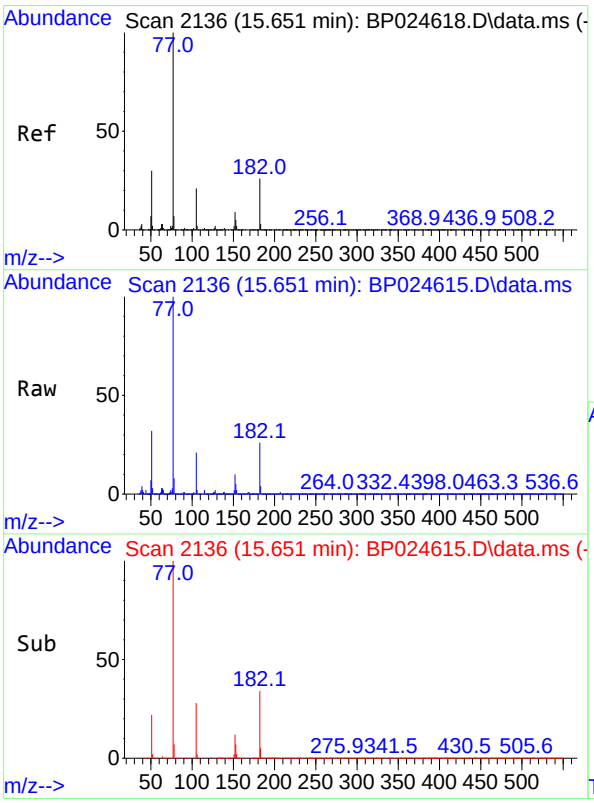
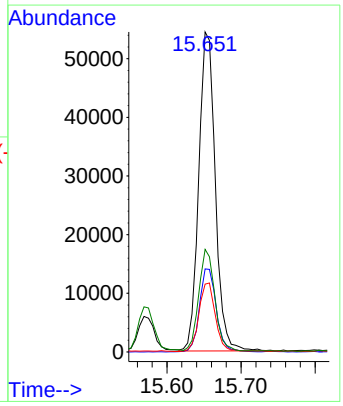


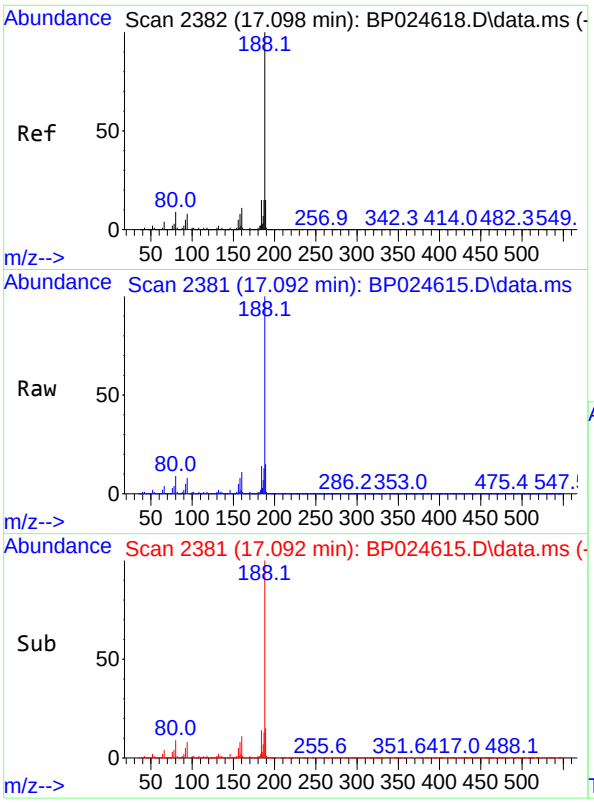


#63
Azobenzene
Concen: 5.03 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 84462

Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.7	45.7
105	21.2	1.3	41.3
51	32.1	10.6	50.6

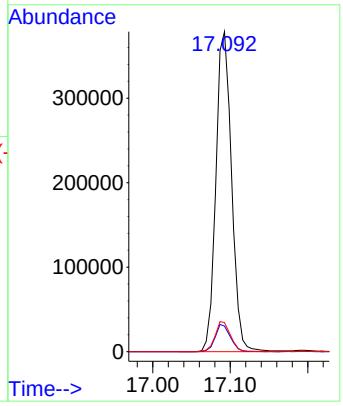




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:188 Resp: 53154

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.1	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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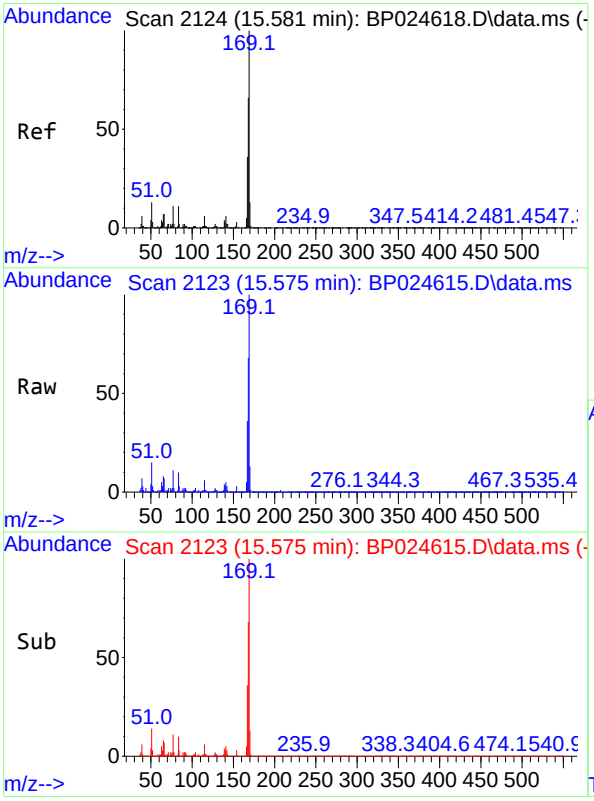
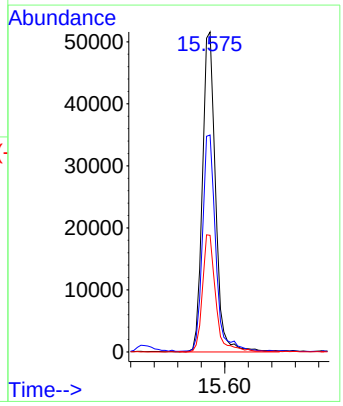
Supervised By :Jagrut Upadhyay 05/14/2025

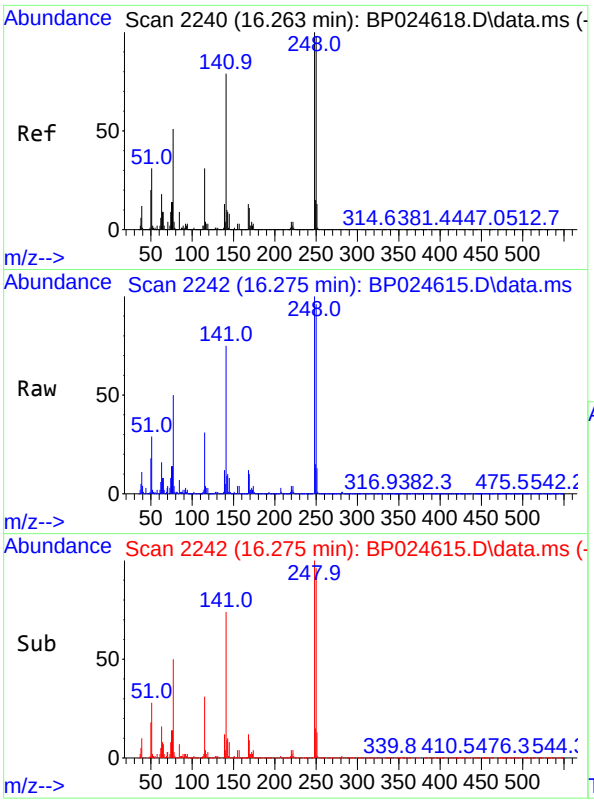


#66
n-Nitrosodiphenylamine
Concen: 4.90 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:169 Resp: 80078

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.2	79.8
167	36.5	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 4.90 ng
RT: 16.275 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:248 Resp: 3070

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.2	117.4
141	75.3	63.0	94.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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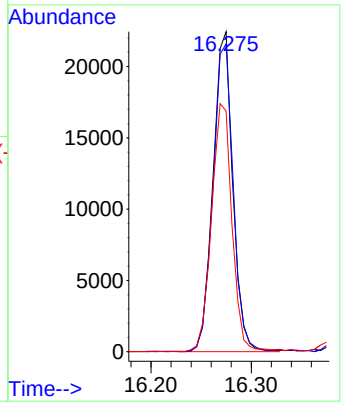
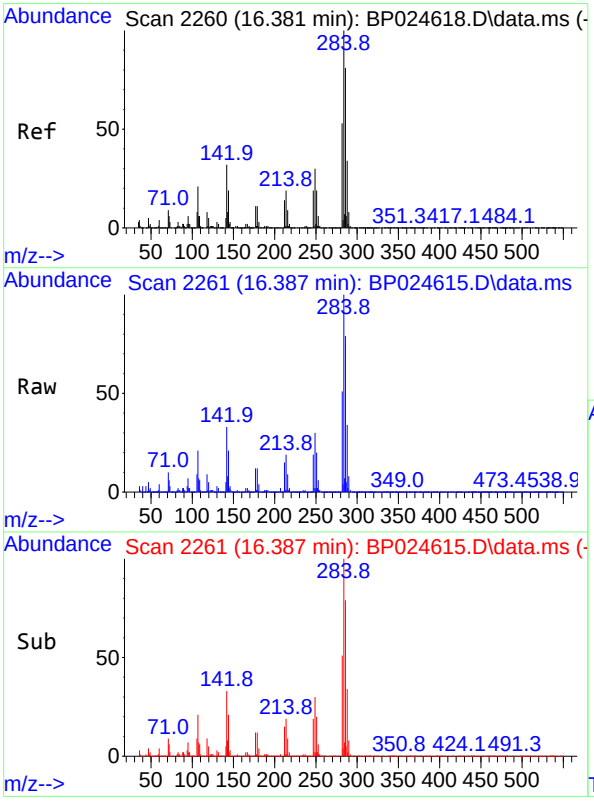
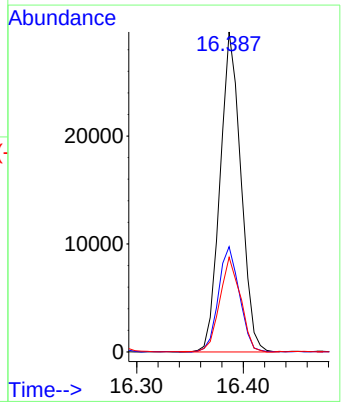


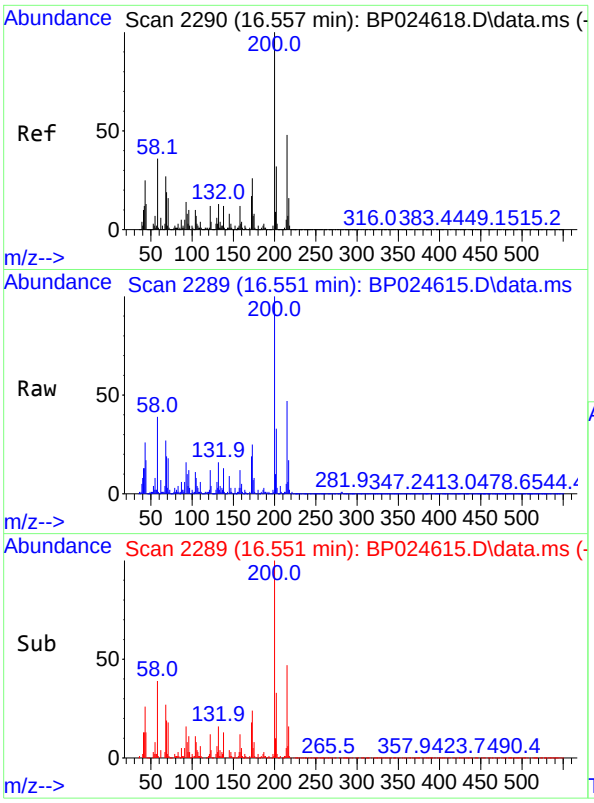


#68
Hexachlorobenzene
Concen: 5.06 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:284 Resp: 40234

Ion	Ratio	Lower	Upper
284	100		
142	32.9	25.9	38.9
249	29.6	24.1	36.1

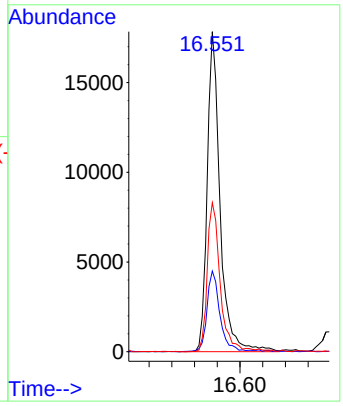




#69
Atrazine
Concen: 4.66 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:200 Resp: 2790

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.9	45.9
215	46.5	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
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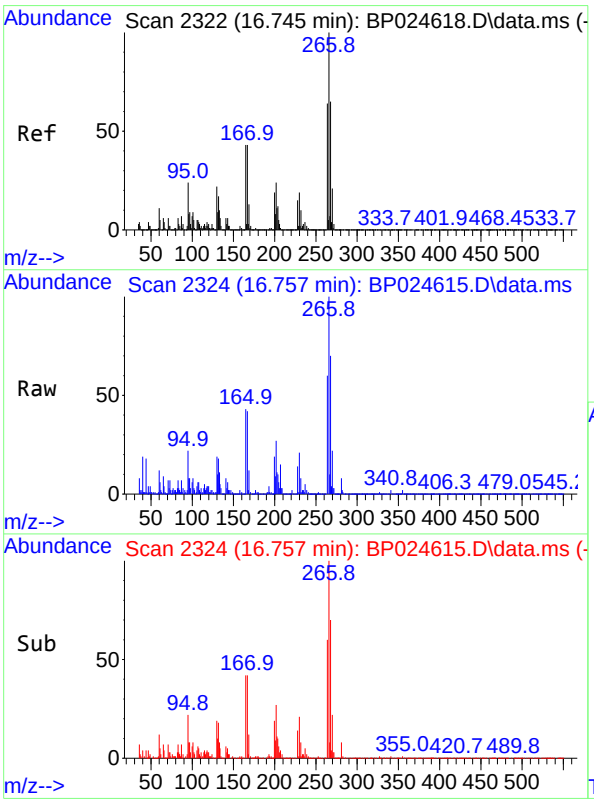
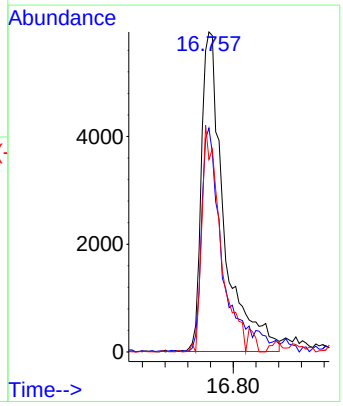
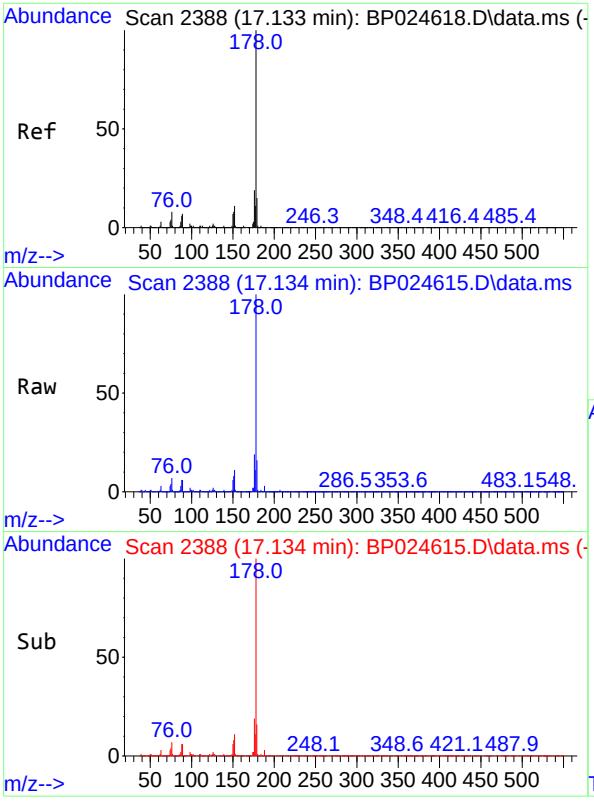


#70
Pentachlorophenol
Concen: 3.68 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:266 Resp: 16456

Ion	Ratio	Lower	Upper
266	100		
268	69.9	52.2	78.4
264	60.1	51.1	76.7

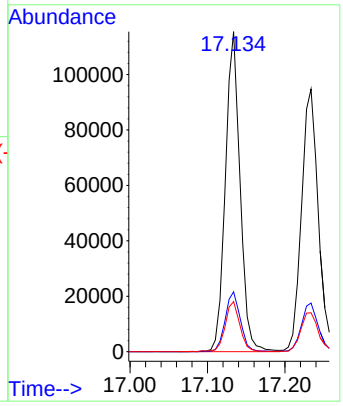




#71
Phenanthrene
Concen: 5.14 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 15203

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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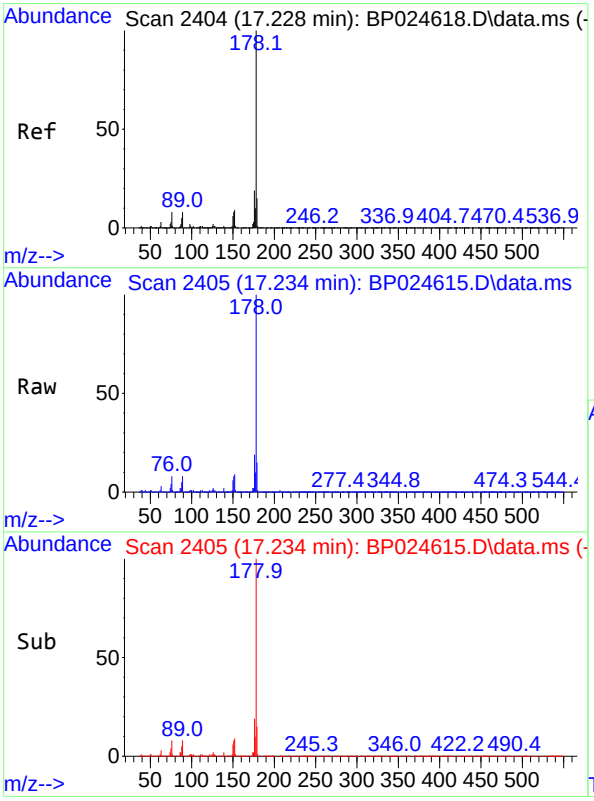
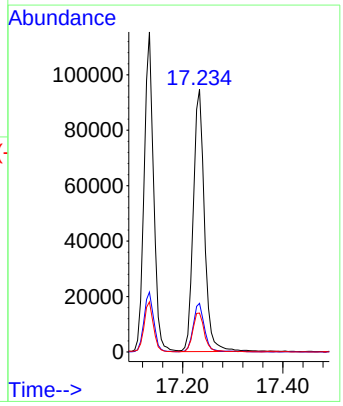
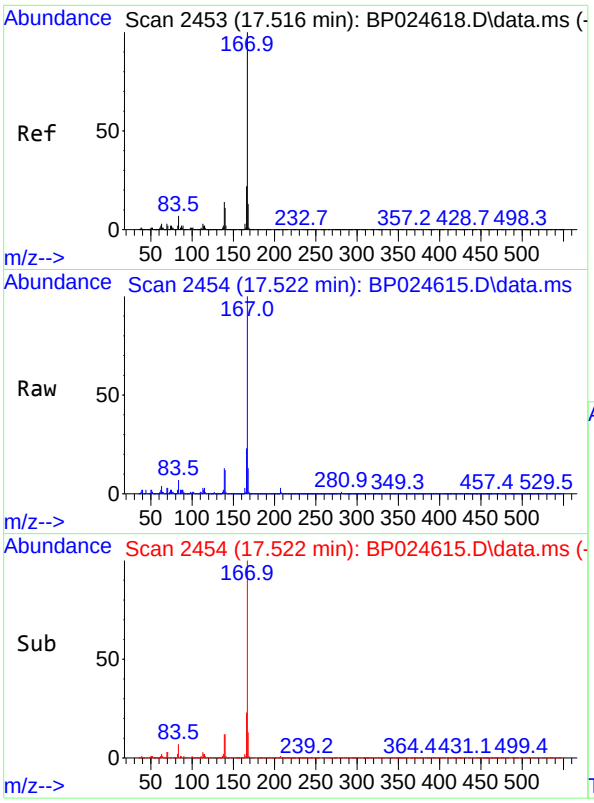


#72
Anthracene
Concen: 4.90 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 145809

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.8	12.2	18.2

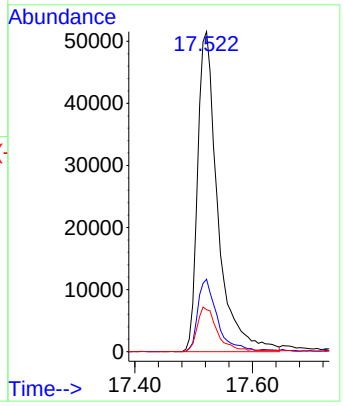




#73
Carbazole
Concen: 4.56 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:167 Resp: 12266

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.7	26.5
139	13.1	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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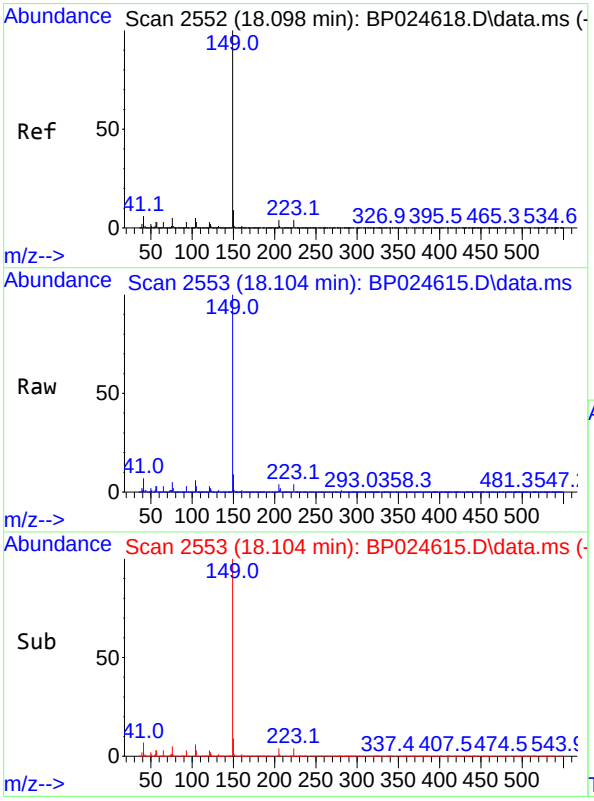
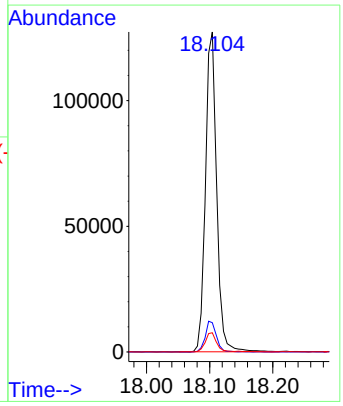
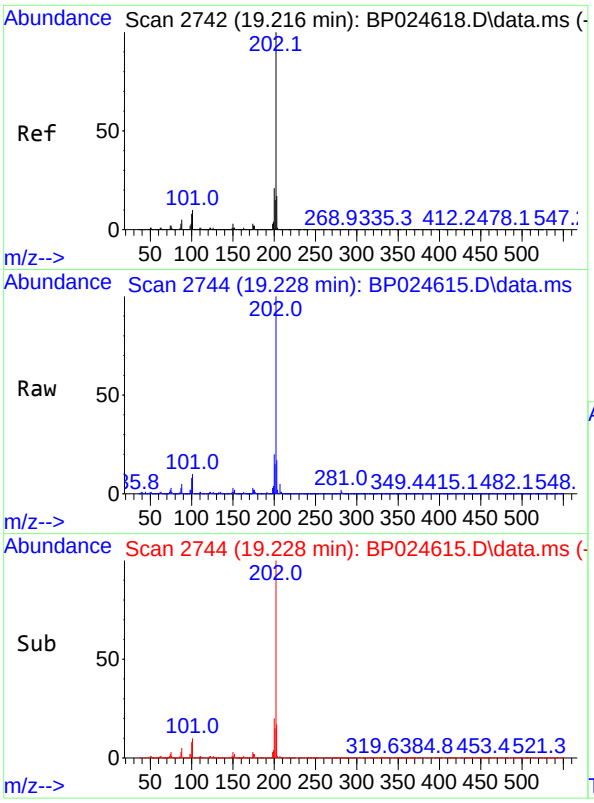


#74
Di-n-butylphthalate
Concen: 4.54 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 157014

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	6.0	4.3	6.5





#75
Fluoranthene
Concen: 4.89 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 16886

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.2	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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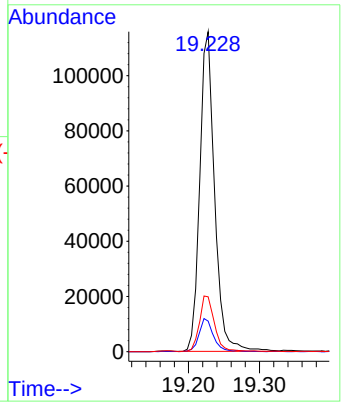
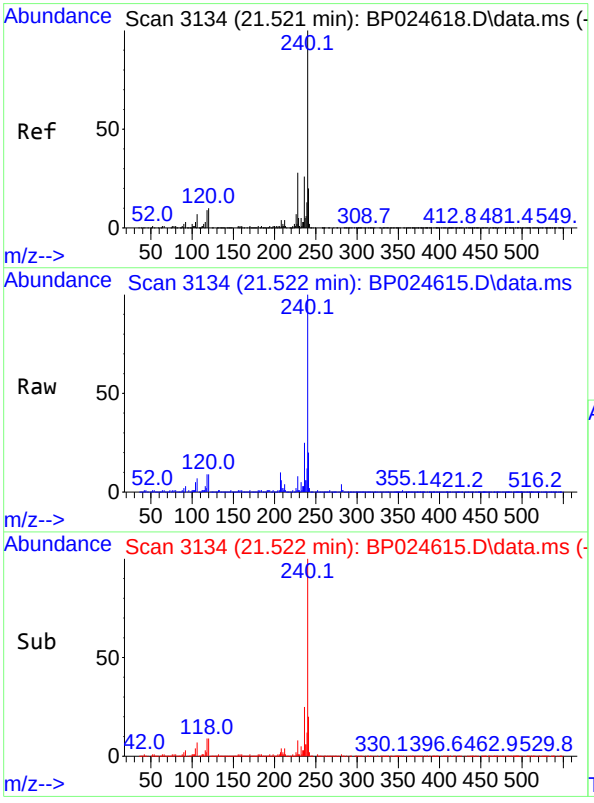
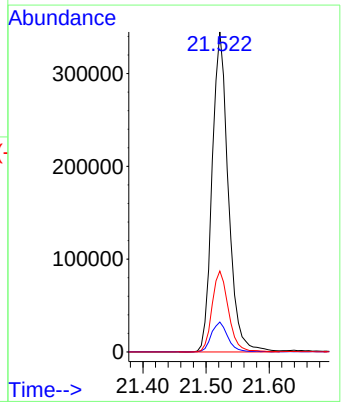


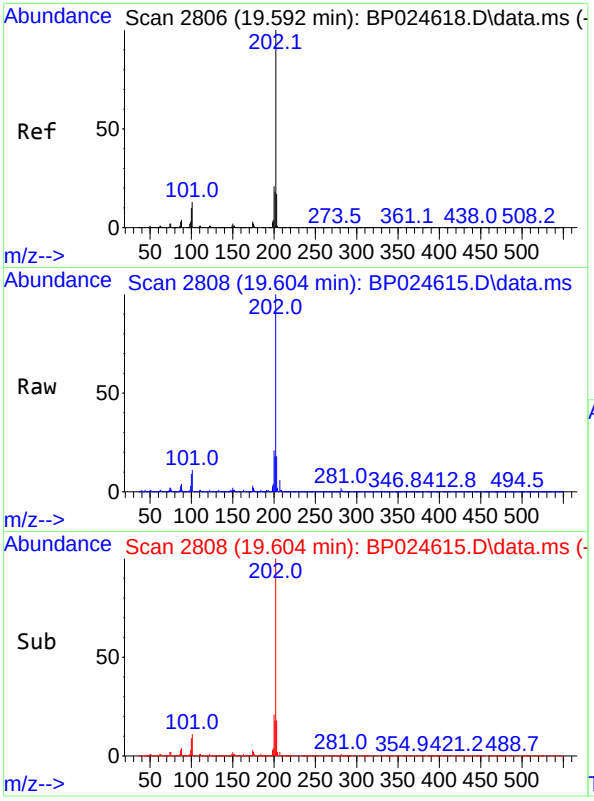


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:240 Resp: 614288

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.8	11.6
236	25.3	20.6	31.0

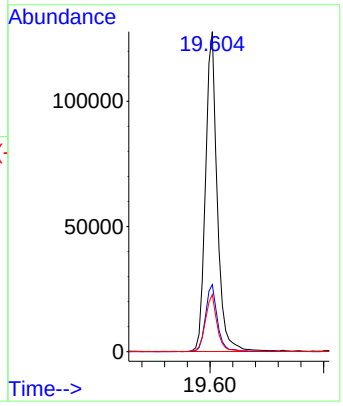




#78
Pyrene
Concen: 4.94 ng
RT: 19.604 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 18181

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	13.9	20.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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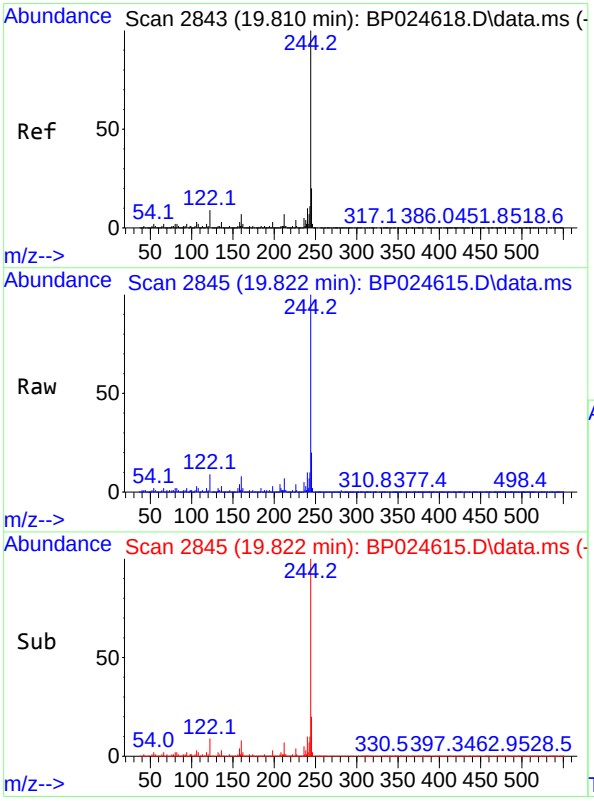
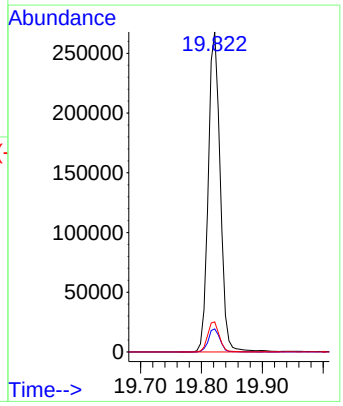
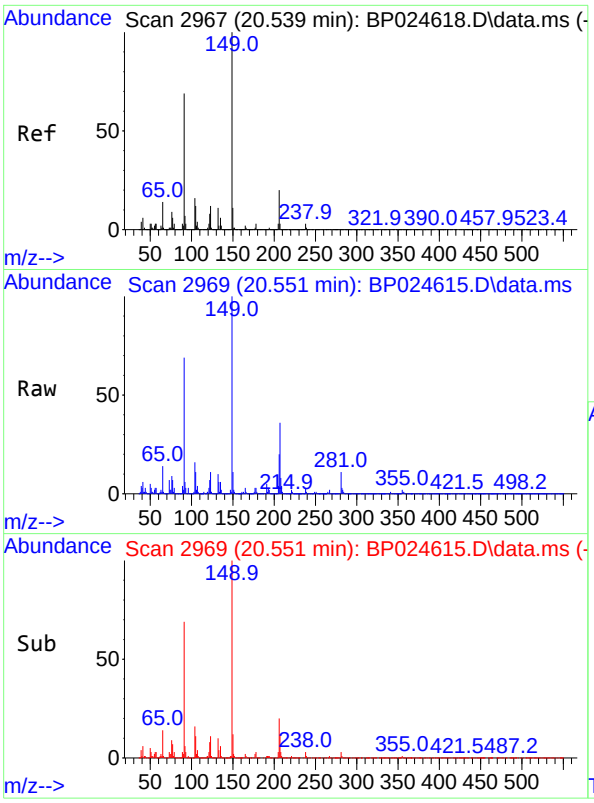


#79
Terphenyl-d14
Concen: 10.22 ng
RT: 19.822 min Scan# 2845
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:244 Resp: 366245

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	9.4	7.4	11.0

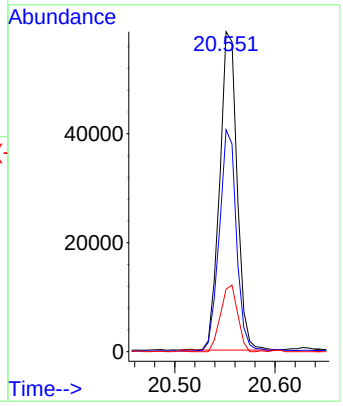




#80
Butylbenzylphthalate
Concen: 4.30 ng
RT: 20.551 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 7034

Ion	Ratio	Lower	Upper
149	100		
91	69.3	55.4	83.0
206	19.5	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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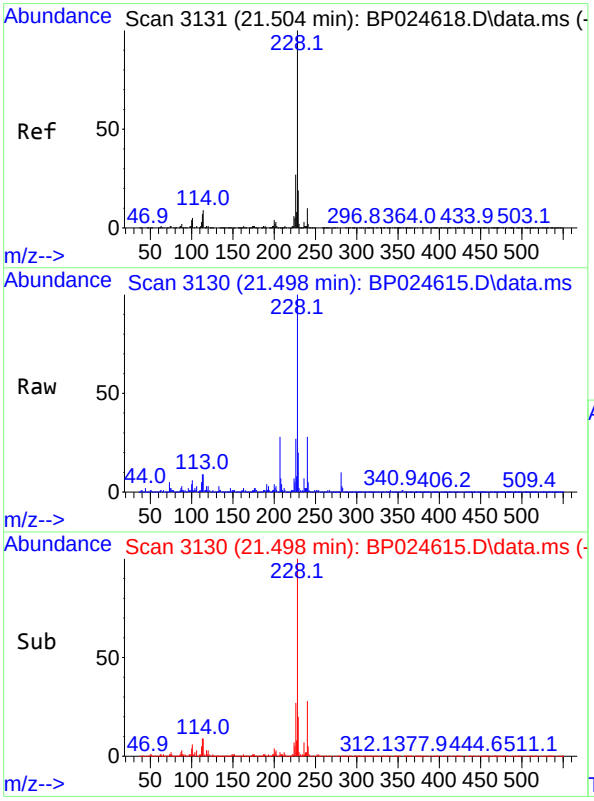
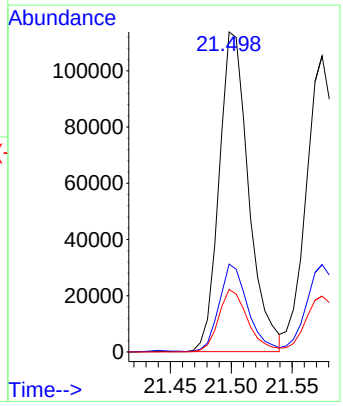
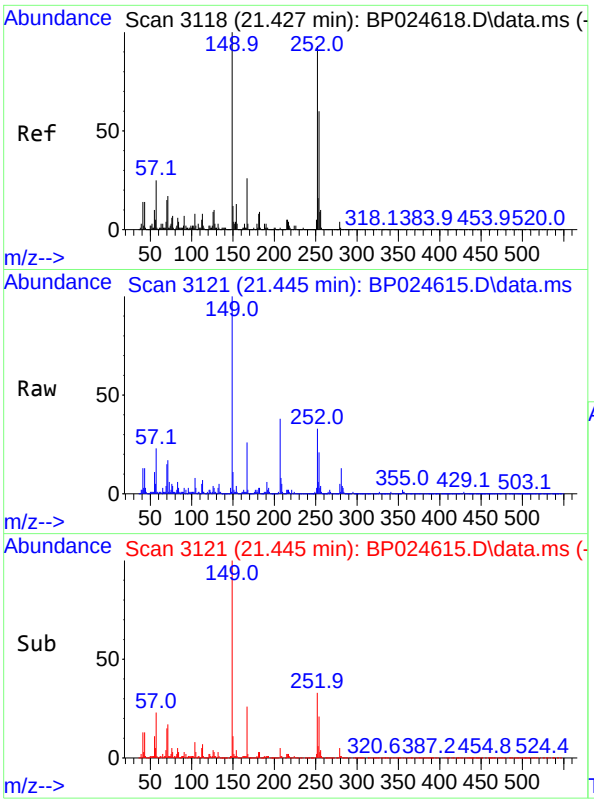


#81
Benzo(a)anthracene
Concen: 4.98 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 192110

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.5	15.5	23.3

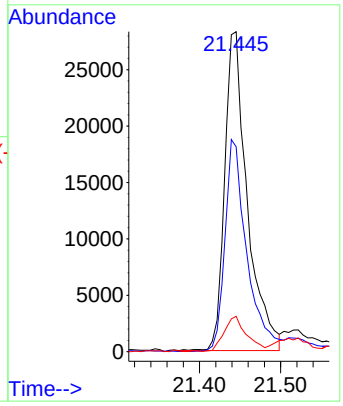




#82
3,3'-Dichlorobenzidine
Concen: 3.82 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 5479

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.6
126	11.0	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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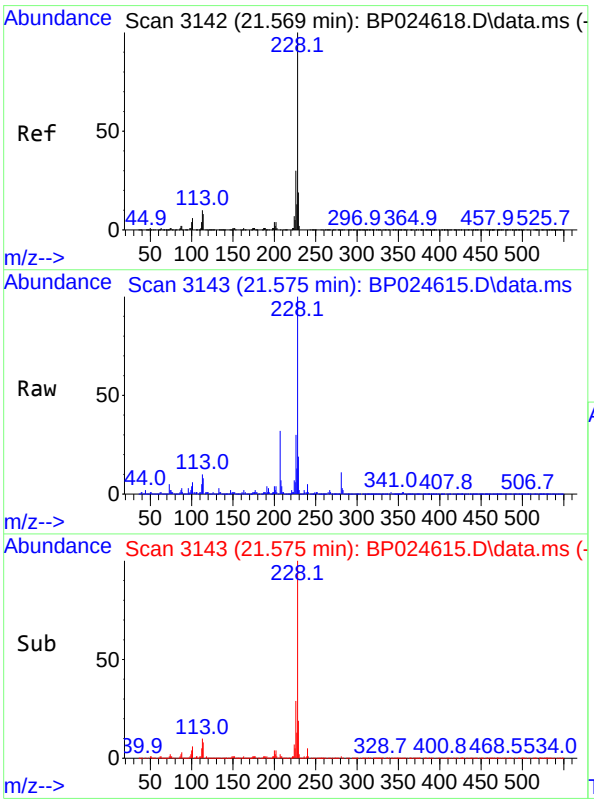
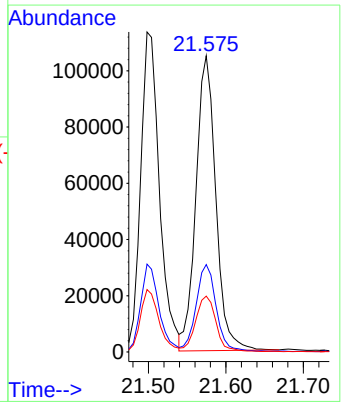
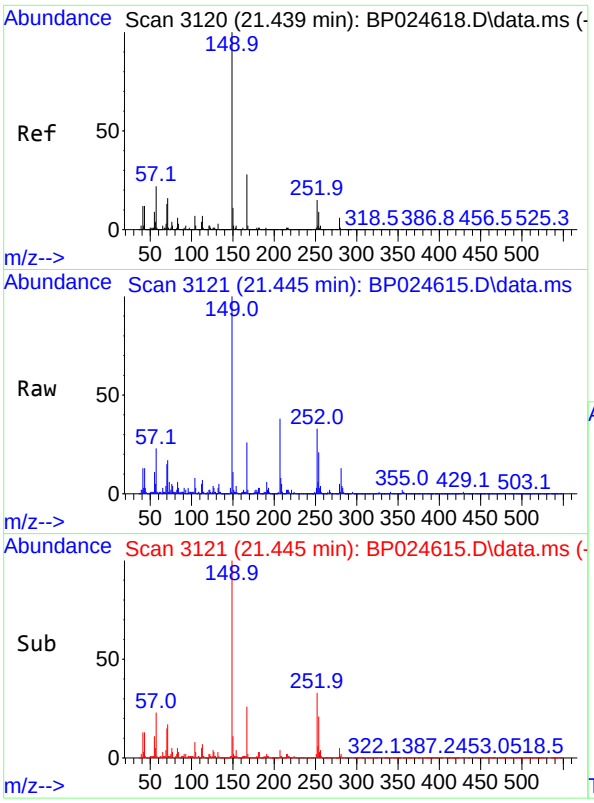


#83
Chrysene
Concen: 5.10 ng
RT: 21.575 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 186449

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	18.9	15.5	23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.29 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

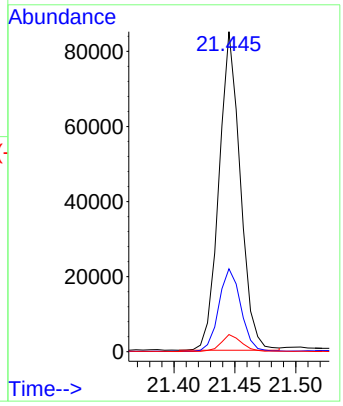
Tgt Ion:149 Resp: 10328

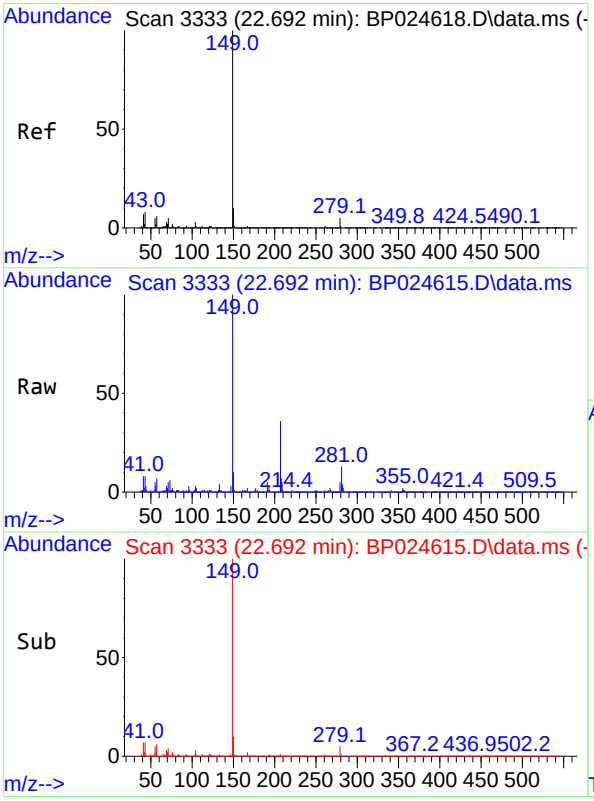
Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.1	33.1
279	5.4	4.6	6.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

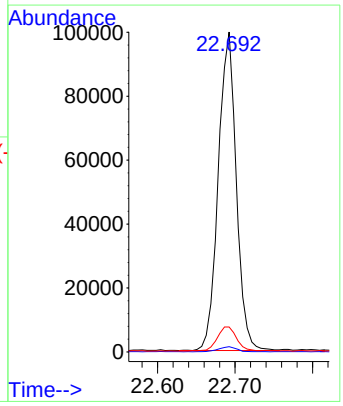


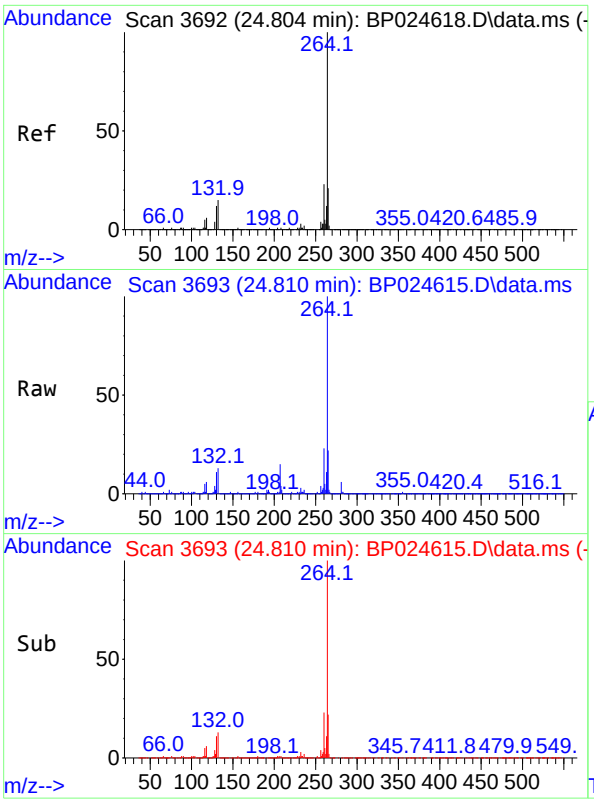


#85
Di-n-octyl phthalate
Concen: 4.09 ng
RT: 22.692 min Scan# 3333
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 160883

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.2	6.3	9.5

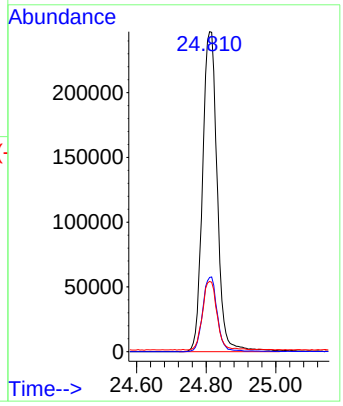




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:264 Resp: 72426

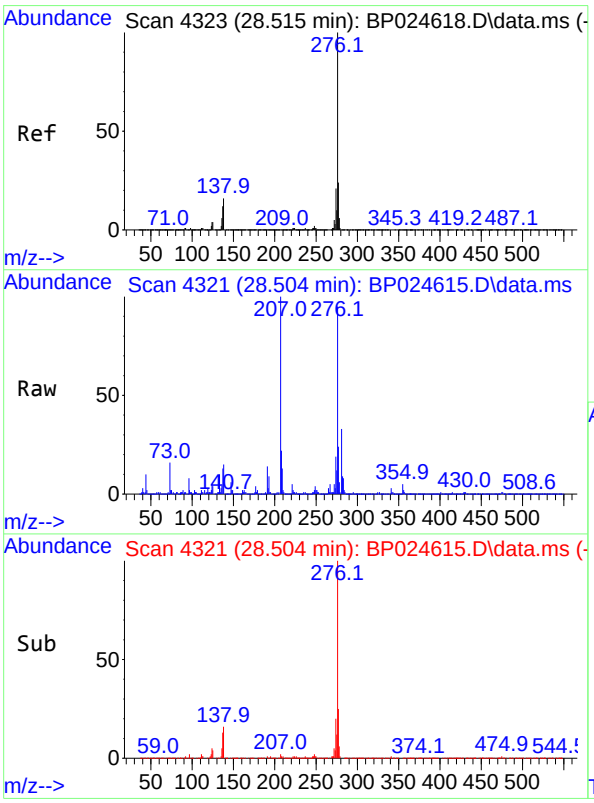
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.0	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

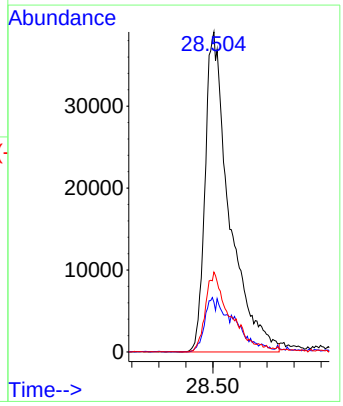
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

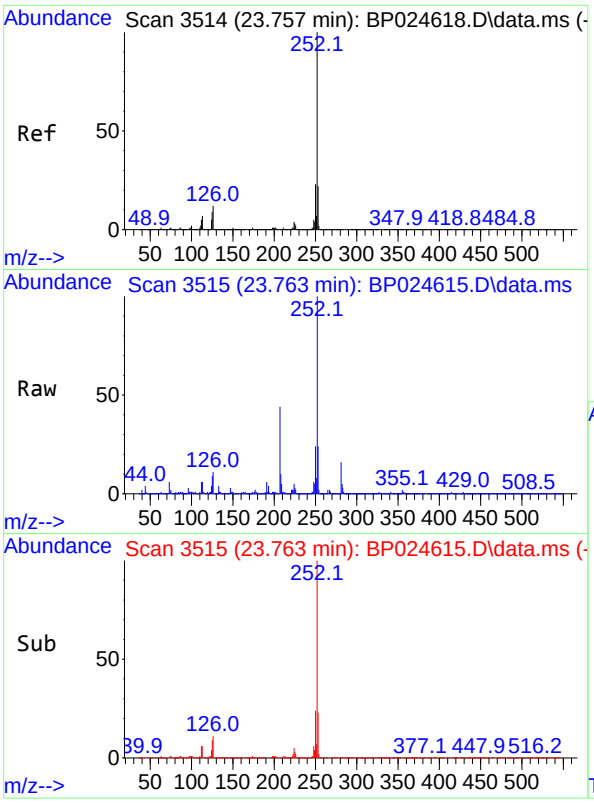


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.59 ng
RT: 28.504 min Scan# 4321
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 242814

Ion	Ratio	Lower	Upper
276	100		
138	7.4	11.2	16.8#
277	24.4	15.7	23.5#

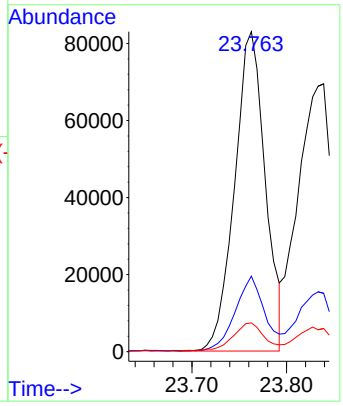




#88
Benzo(b)fluoranthene
Concen: 4.49 ng
RT: 23.763 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18605

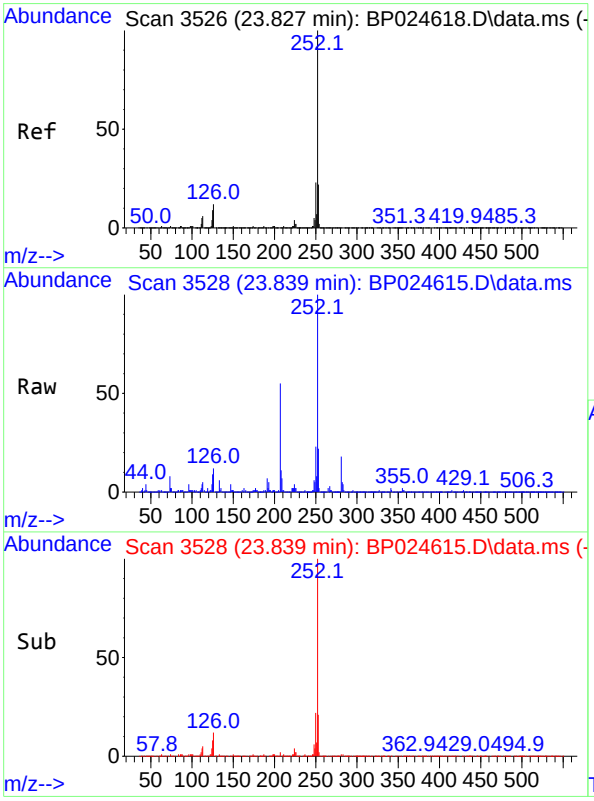
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	9.0	7.5	11.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

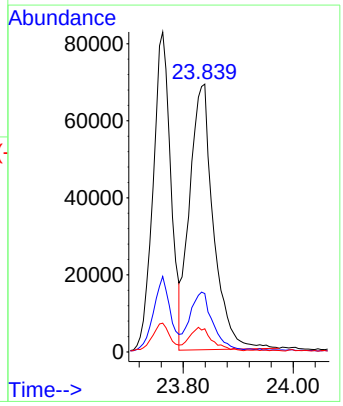
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

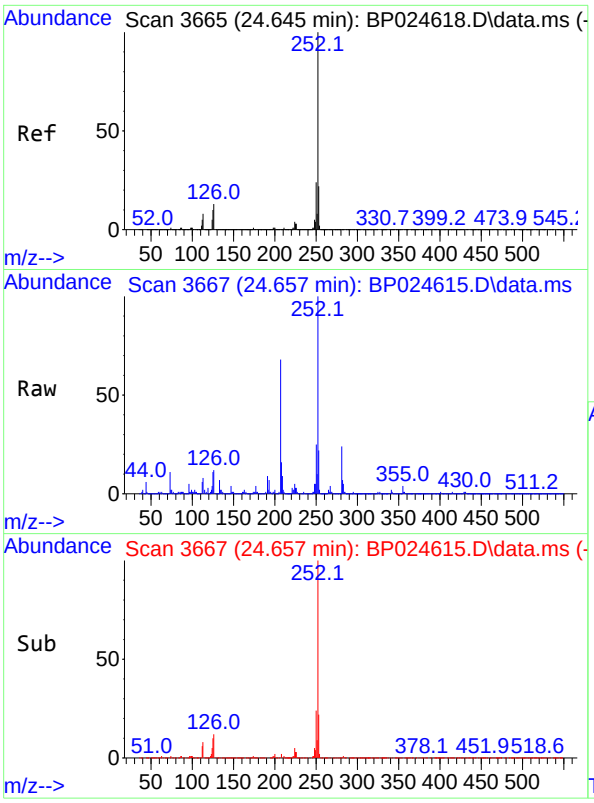


#89
Benzo(k)fluoranthene
Concen: 4.86 ng
RT: 23.839 min Scan# 3528
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 207645

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.7	7.0	10.4

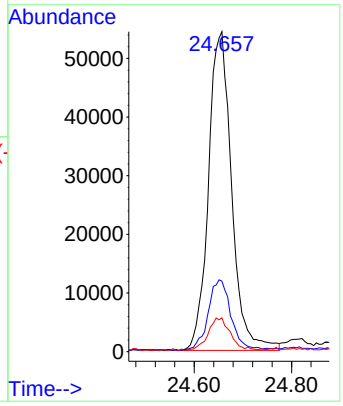




#90
Benzo(a)pyrene
Concen: 4.52 ng
RT: 24.657 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18015

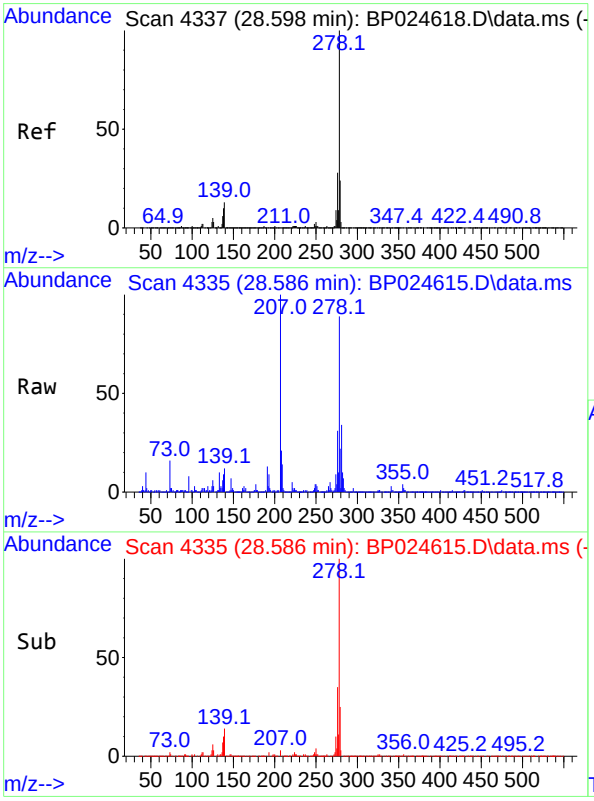
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.6	8.1	12.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

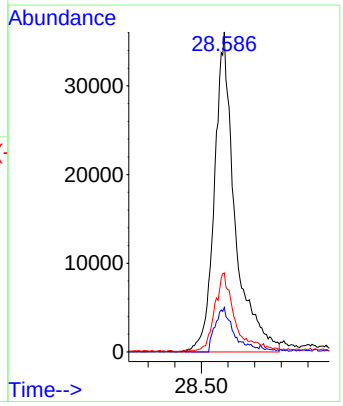
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

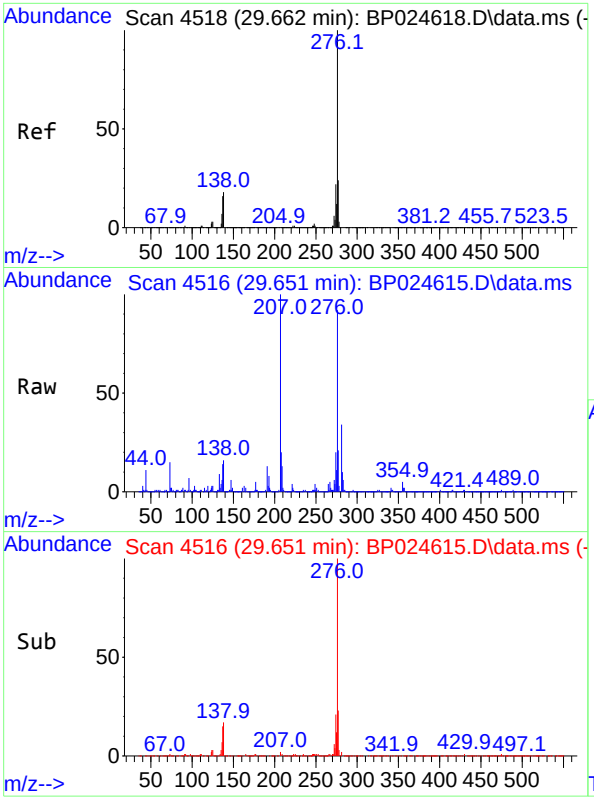


#91
Dibenzo(a,h)anthracene
Concen: 4.50 ng
RT: 28.586 min Scan# 4335
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:278 Resp: 193373

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.2	15.4
279	24.7	19.0	28.4

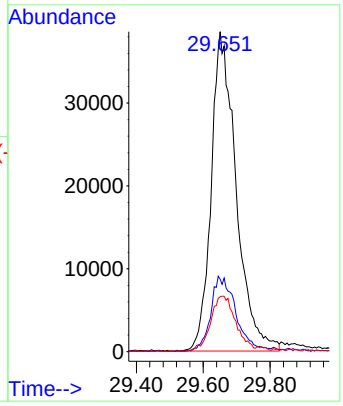




#92
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 29.651 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 19936

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	17.2	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	94972	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	398657	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	268335	20.00	ng		-0.01
64) Phenanthrene-d10	17.098	188	556673	20.00	ng		0.00
76) Chrysene-d12	21.516	240	659092	20.00	ng		0.00
86) Perylene-d12	24.798	264	780142	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	104115	18.75	ng		0.00
7) Phenol-d6	6.858	99	127652	18.01	ng		0.00
23) Nitrobenzene-d5	8.810	82	149876	19.00	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	86099	18.93	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	401986	19.63	ng		0.00
79) Terphenyl-d14	19.822	244	733687	19.09	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	26472	10.15	ng		99
3) Pyridine	3.634	79	53915	9.33	ng		98
4) n-Nitrosodimethylamine	3.540	42	24093	9.44	ng	#	96
6) Aniline	7.005	93	80863	8.84	ng		99
8) 2-Chlorophenol	7.240	128	57182	9.07	ng		99
9) Benzaldehyde	6.822	77	47848m	10.45	ng		
10) Phenol	6.881	94	66520	9.09	ng		96
11) bis(2-Chloroethyl)ether	7.093	93	55575	9.25	ng		99
12) 1,3-Dichlorobenzene	7.557	146	70590	9.73	ng		100
13) 1,4-Dichlorobenzene	7.699	146	71467	9.80	ng		99
14) 1,2-Dichlorobenzene	8.010	146	69643	9.80	ng		96
15) Benzyl Alcohol	7.916	79	45094	8.37	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	68599	9.53	ng		98
17) 2-Methylphenol	8.116	107	45071	8.59	ng		96
18) Hexachloroethane	8.728	117	28078	10.05	ng		96
19) n-Nitroso-di-n-propyla...	8.463	70	45927	9.37	ng		96
20) 3+4-Methylphenols	8.446	107	61832	8.66	ng		95
22) Acetophenone	8.481	105	95803	9.62	ng	#	99
24) Nitrobenzene	8.857	77	67735	9.76	ng		98
25) Isophorone	9.375	82	127474	9.31	ng		99
26) 2-Nitrophenol	9.563	139	28470	8.37	ng		94
27) 2,4-Dimethylphenol	9.628	122	55664	9.28	ng		98
28) bis(2-Chloroethoxy)met...	9.851	93	78019	9.54	ng		97
29) 2,4-Dichlorophenol	10.110	162	51386	8.84	ng		98
30) 1,2,4-Trichlorobenzene	10.304	180	64245	9.81	ng		96
31) Naphthalene	10.481	128	204468	9.90	ng		99
32) Benzoic acid	9.746	122	17770m	10.42	ng		
33) 4-Chloroaniline	10.610	127	73990	8.88	ng		99
34) Hexachlorobutadiene	10.769	225	42567	10.03	ng		97
35) Caprolactam	11.381	113	18245m	8.68	ng		
36) 4-Chloro-3-methylphenol	11.746	107	64857	9.15	ng		98
37) 2-Methylnaphthalene	12.098	142	130412	9.75	ng		100
38) 1-Methylnaphthalene	12.316	142	139573	9.75	ng		100
40) 1,2,4,5-Tetrachloroben...	12.475	216	74824	9.60	ng		100
41) Hexachlorocyclopentadiene	12.451	237	37072	7.85	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	45798	9.07	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.810	196	50348	8.96	ng		94
46) 1,1'-Biphenyl	13.122	154	192445	9.70	ng		100
47) 2-Chloronaphthalene	13.163	162	148443	9.82	ng		99
48) 2-Nitroaniline	13.375	65	40786	9.11	ng		93
49) Acenaphthylene	14.010	152	243913	9.64	ng		98
50) Dimethylphthalate	13.751	163	204825	10.01	ng		99
51) 2,6-Dinitrotoluene	13.869	165	41257	9.55	ng		92
52) Acenaphthene	14.357	154	141360	9.72	ng		99
53) 3-Nitroaniline	14.216	138	36906	8.37	ng		99
54) 2,4-Dinitrophenol	14.439	184	13128	10.84	ng		95
55) Dibenzofuran	14.704	168	230286	9.92	ng		99
56) 4-Nitrophenol	14.575	139	21349	9.53	ng		93
57) 2,4-Dinitrotoluene	14.675	165	56617	9.30	ng		94
58) Fluorene	15.357	166	189781	10.03	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	48821	9.37	ng		99
60) Diethylphthalate	15.134	149	206886	10.01	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	93517	9.91	ng		97
62) 4-Nitroaniline	15.404	138	34813m	8.11	ng		
63) Azobenzene	15.657	77	174322	9.86	ng		98
65) 4,6-Dinitro-2-methylph...	15.457	198	26174	7.28	ng		96
66) n-Nitrosodiphenylamine	15.575	169	164008	9.59	ng		99
67) 4-Bromophenyl-phenylether	16.269	248	62011	9.45	ng		97
68) Hexachlorobenzene	16.392	284	80088	9.61	ng		98
69) Atrazine	16.551	200	58245	9.30	ng		99
70) Pentachlorophenol	16.757	266	38095m	8.14	ng		
71) Phenanthrene	17.139	178	301863	9.75	ng		100
72) Anthracene	17.239	178	296146	9.51	ng		100
73) Carbazole	17.522	167	262687	9.32	ng		100
74) Di-n-butylphthalate	18.116	149	338893	9.35	ng		100
75) Fluoranthene	19.227	202	349083	9.65	ng		99
77) Benzidine	19.445	184	119229m	6.59	ng		
78) Pyrene	19.604	202	374573	9.48	ng		100
80) Butylbenzylphthalate	20.551	149	153275	8.73	ng		99
81) Benzo(a)anthracene	21.498	228	401322	9.70	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	129324	8.41	ng		99
83) Chrysene	21.569	228	388846	9.91	ng		98
84) Bis(2-ethylhexyl)phtha...	21.439	149	225047	8.72	ng		100
85) Di-n-octyl phthalate	22.680	149	367934	8.72	ng		100
87) Indeno(1,2,3-cd)pyrene	28.503	276	529260	9.29	ng	#	92
88) Benzo(b)fluoranthene	23.751	252	417343	9.35	ng		99
89) Benzo(k)fluoranthene	23.821	252	431575	9.38	ng		99
90) Benzo(a)pyrene	24.627	252	390288	9.10	ng		100
91) Dibenzo(a,h)anthracene	28.574	278	415768	8.97	ng		99
92) Benzo(g,h,i)perylene	29.650	276	431559	9.37	ng		97

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

ICAL Form

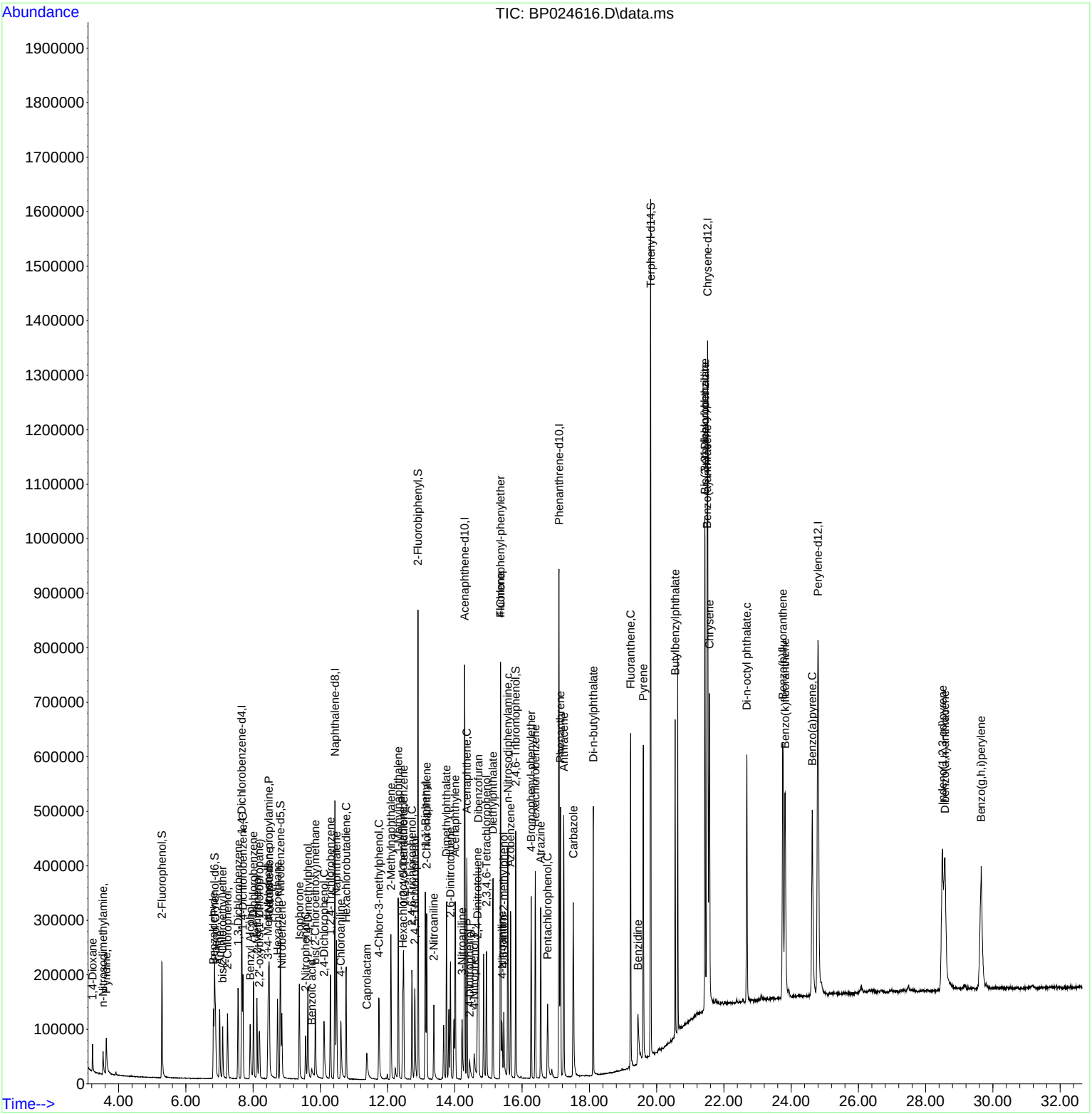
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

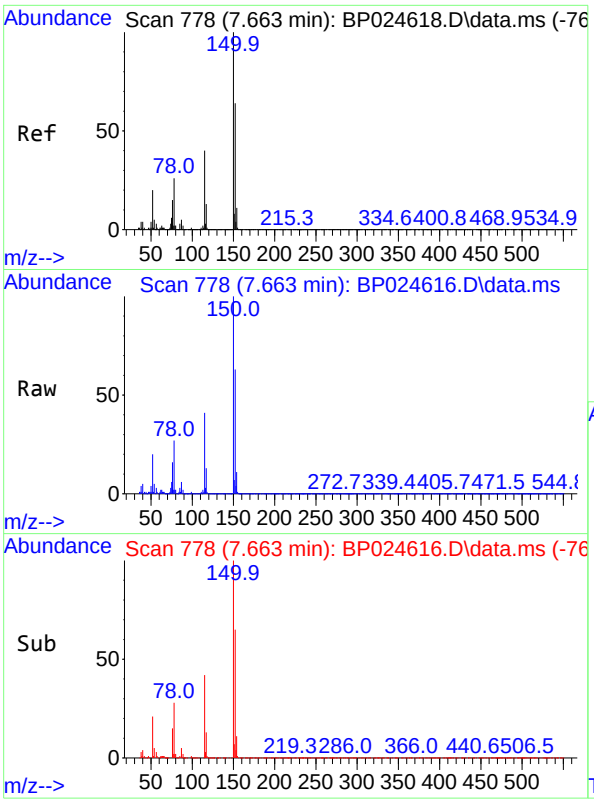
Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

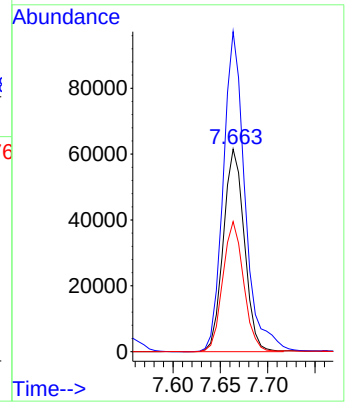




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 9497

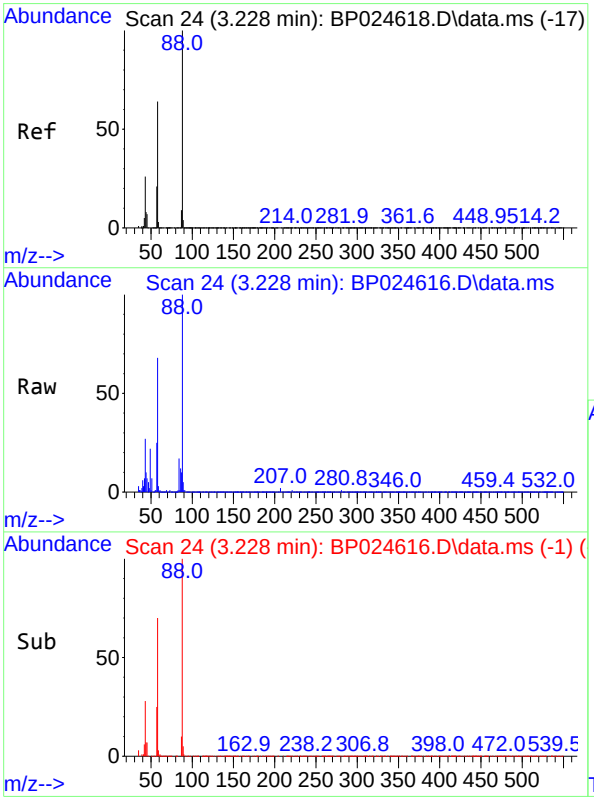
Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.2	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

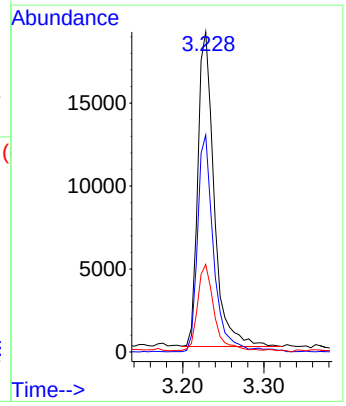
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

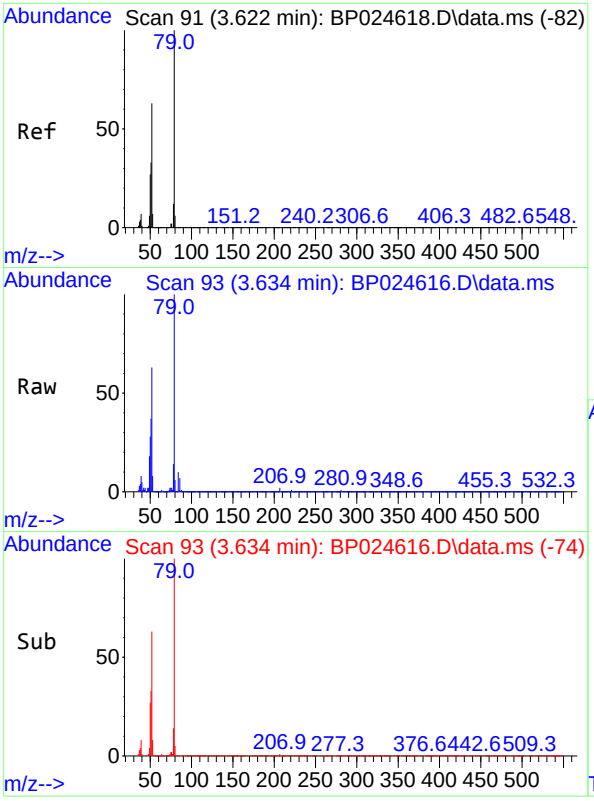


#2
1,4-Dioxane
Concen: 10.15 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 88 Resp: 26472

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.0	81.0
43	27.8	21.4	32.0

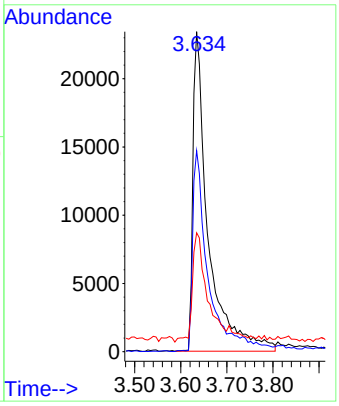




#3
Pyridine
Concen: 9.33 ng
RT: 3.634 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 79 Resp: 5391

Ion	Ratio	Lower	Upper
79	100		
52	62.8	50.2	75.2
51	37.1	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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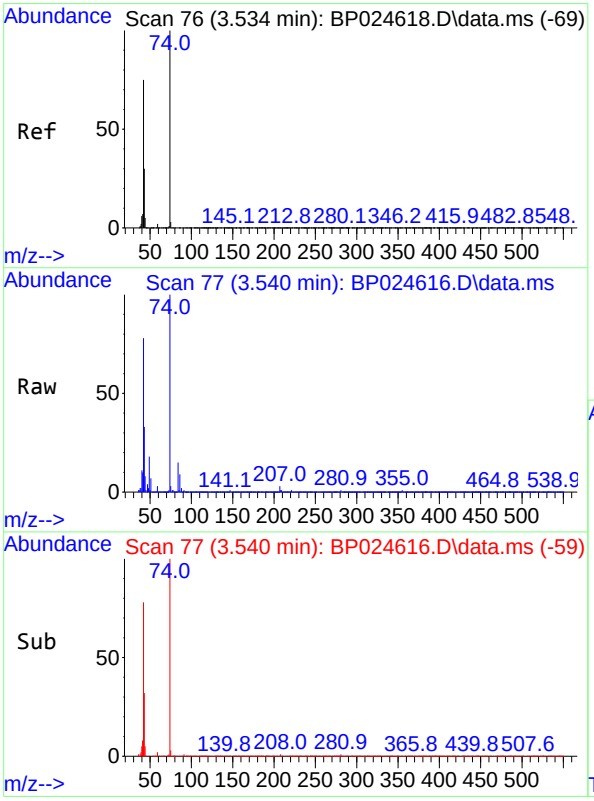
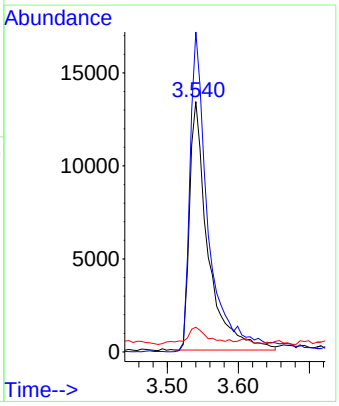
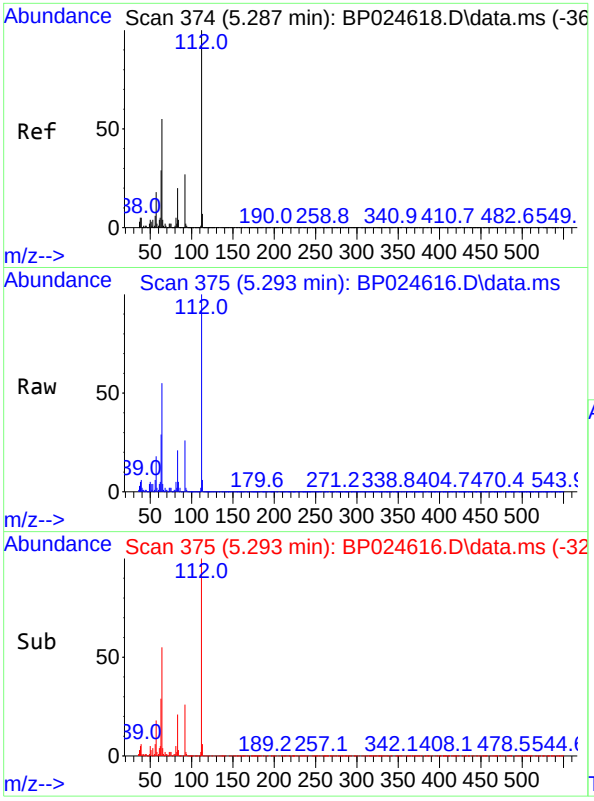


#4
n-Nitrosodimethylamine
Concen: 9.44 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 42 Resp: 24093

Ion	Ratio	Lower	Upper
42	100		
74	127.8	106.2	159.2
44	9.9	5.4	8.2#

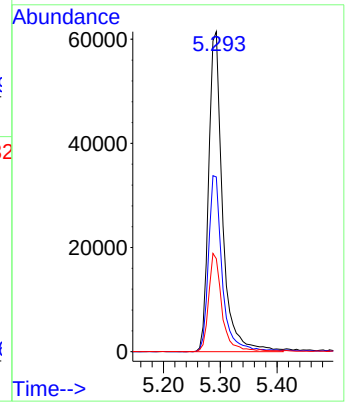




#5
2-Fluorophenol
Concen: 18.75 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:112 Resp: 10411

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.0	23.5	35.3



Instrument :
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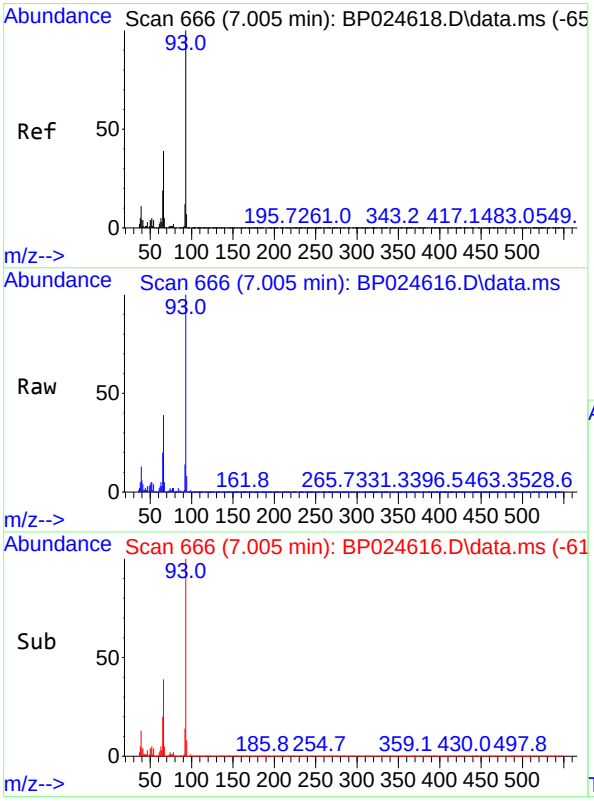
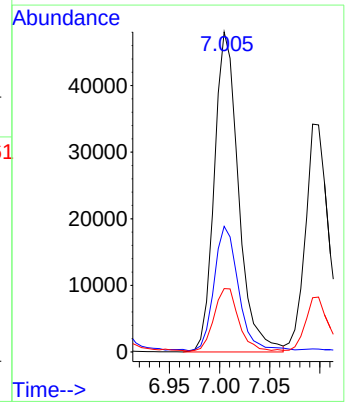
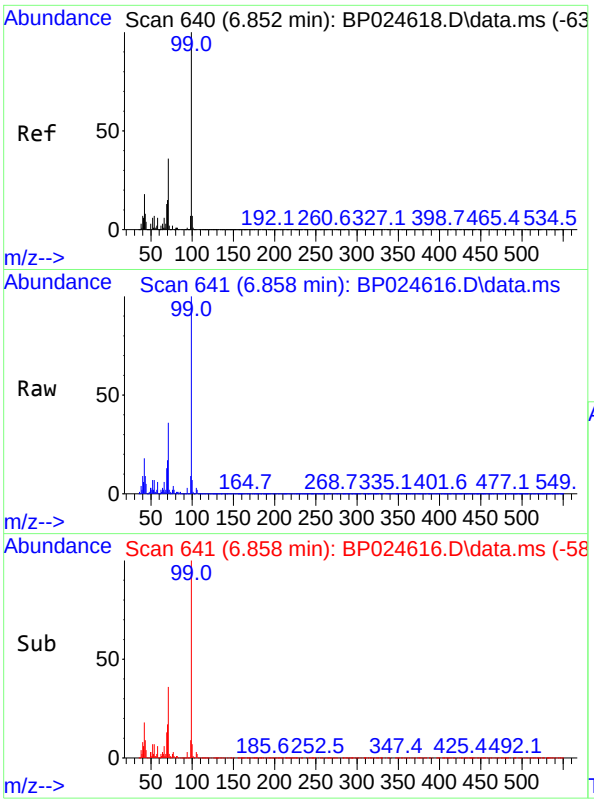


#6
Aniline
Concen: 8.84 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 80863

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.0	46.6
65	19.8	15.5	23.3

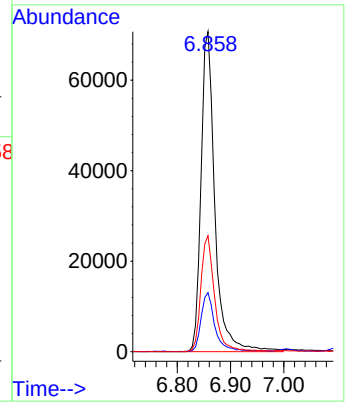




#7
Phenol-d6
Concen: 18.01 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 99 Resp: 12765

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.4	21.6
71	36.3	29.2	43.8



Instrument :
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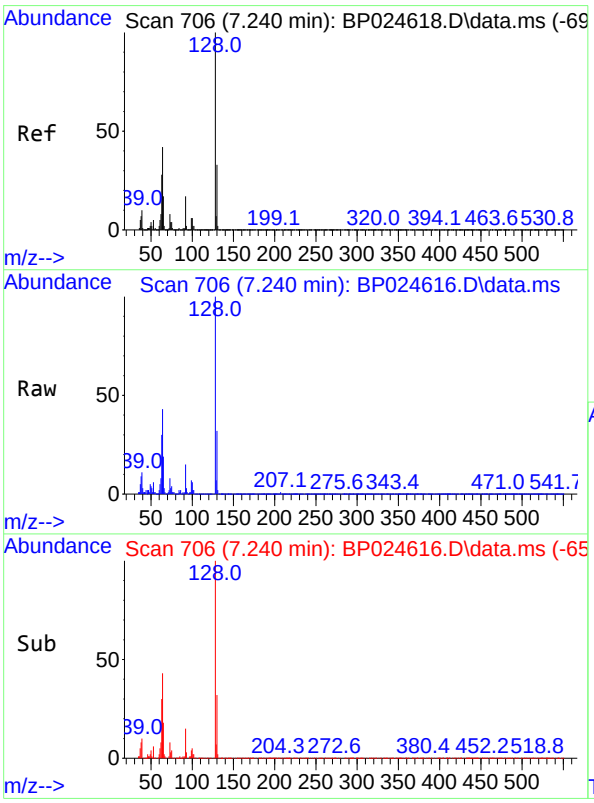
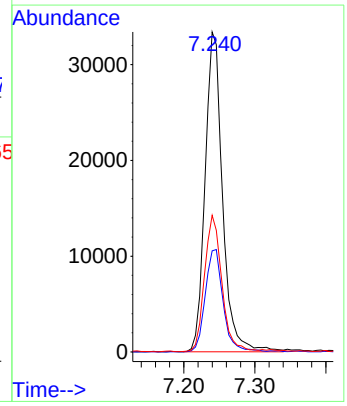
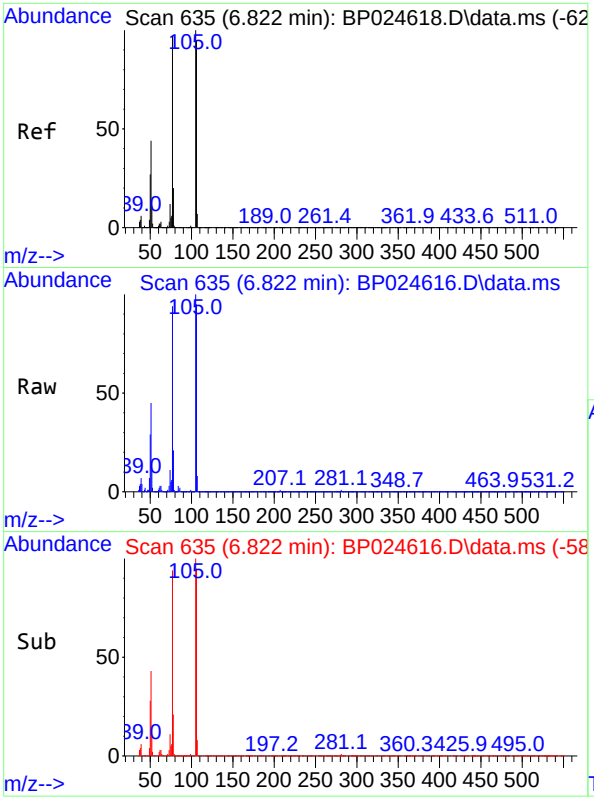


#8
2-Chlorophenol
Concen: 9.07 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 57182

Ion	Ratio	Lower	Upper
128	100		
130	31.6	13.0	53.0
64	42.7	22.3	62.3

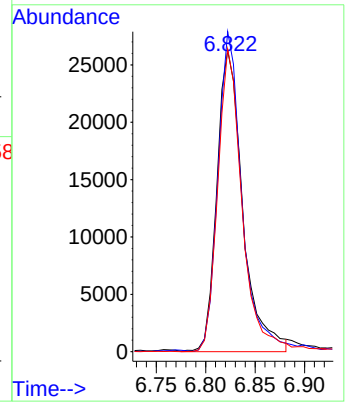




#9
Benzaldehyde
Concen: 10.45 ng m
RT: 6.822 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 4784

Ion	Ratio	Lower	Upper
77	100		
105	106.2	83.3	123.3
106	100.5	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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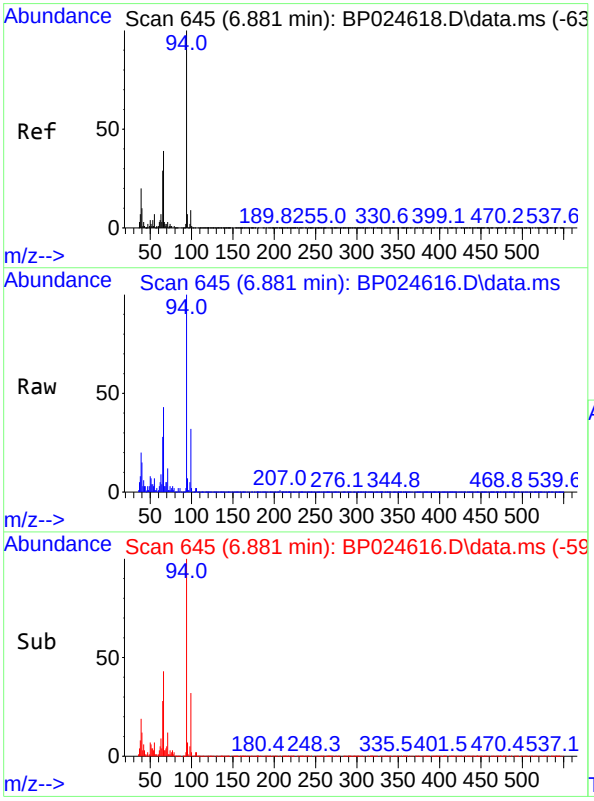
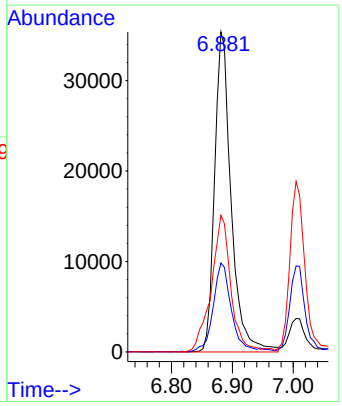
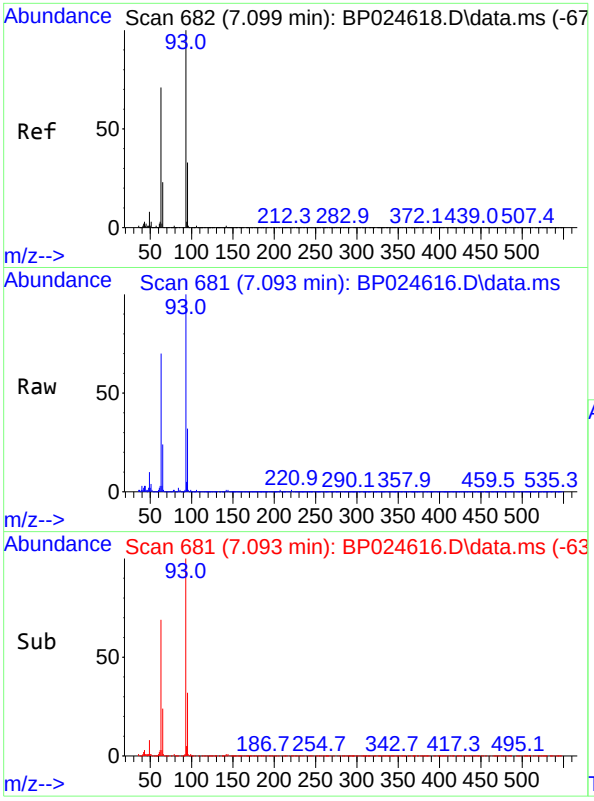


#10
Phenol
Concen: 9.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 94 Resp: 66520

Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.7	48.7
66	42.7	19.4	59.4

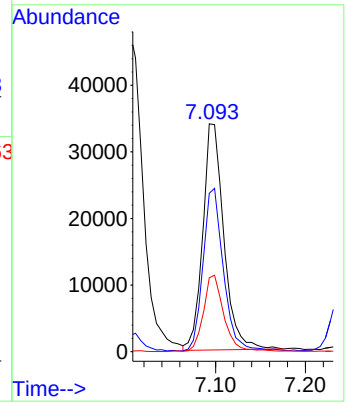




#11
bis(2-Chloroethyl)ether
Concen: 9.25 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 5557

Ion	Ratio	Lower	Upper
93	100		
63	69.5	50.6	90.6
95	32.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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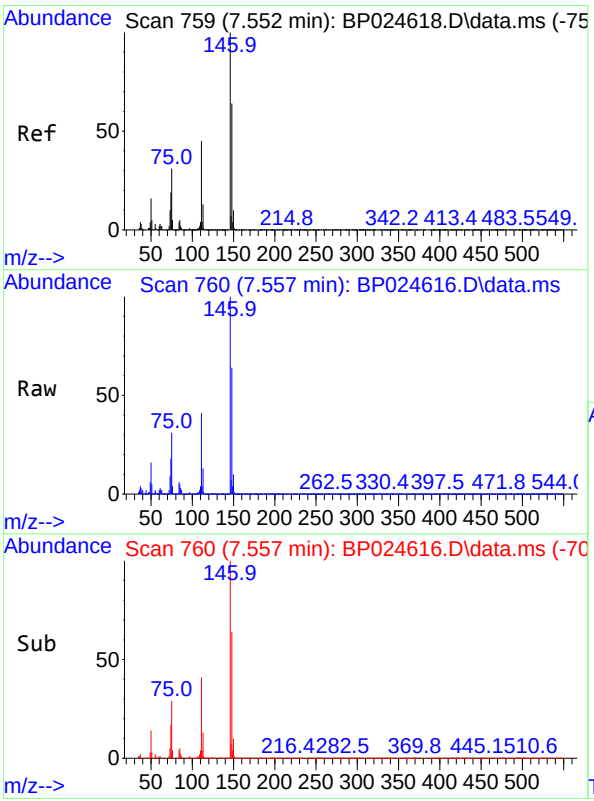
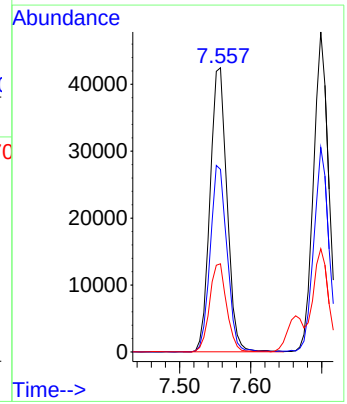
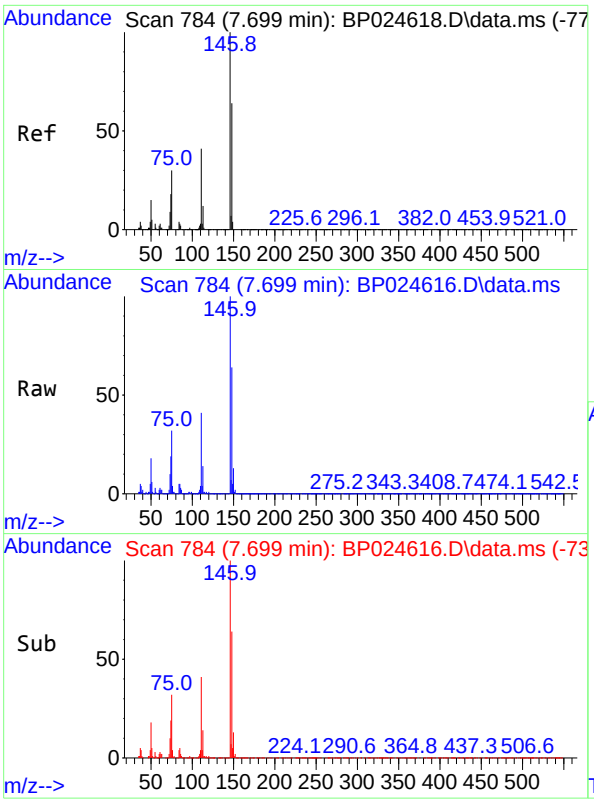


#12
1,3-Dichlorobenzene
Concen: 9.73 ng
RT: 7.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 70590

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	31.1	25.2	37.8

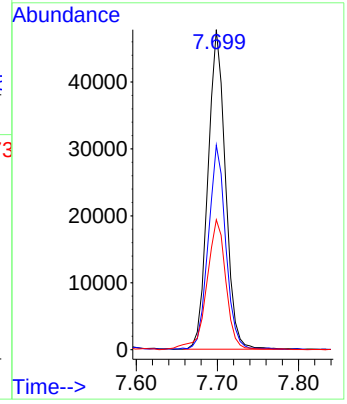




#13
1,4-Dichlorobenzene
Concen: 9.80 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 7146

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	40.6	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
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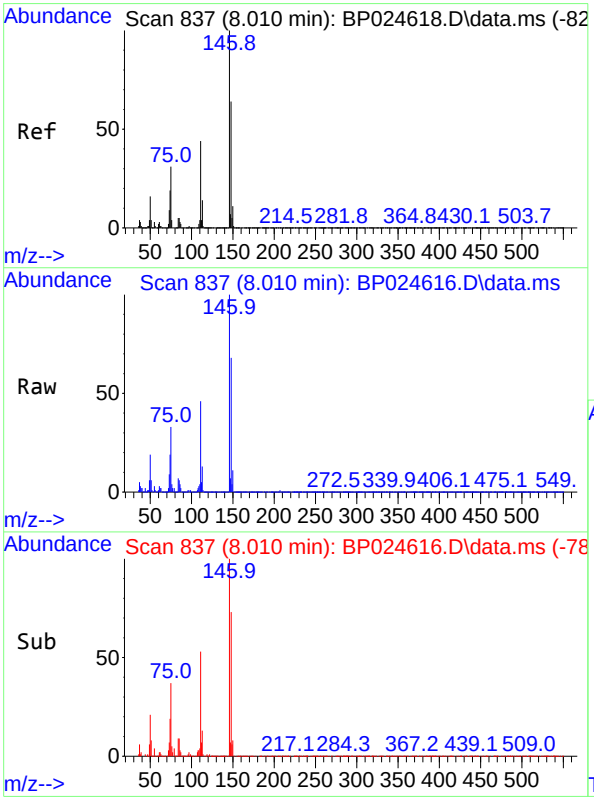
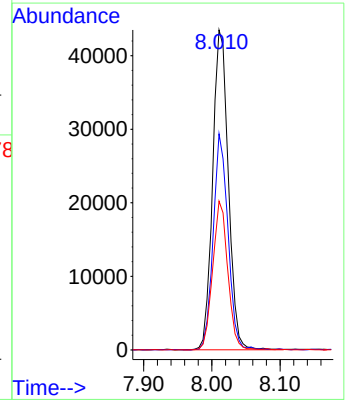
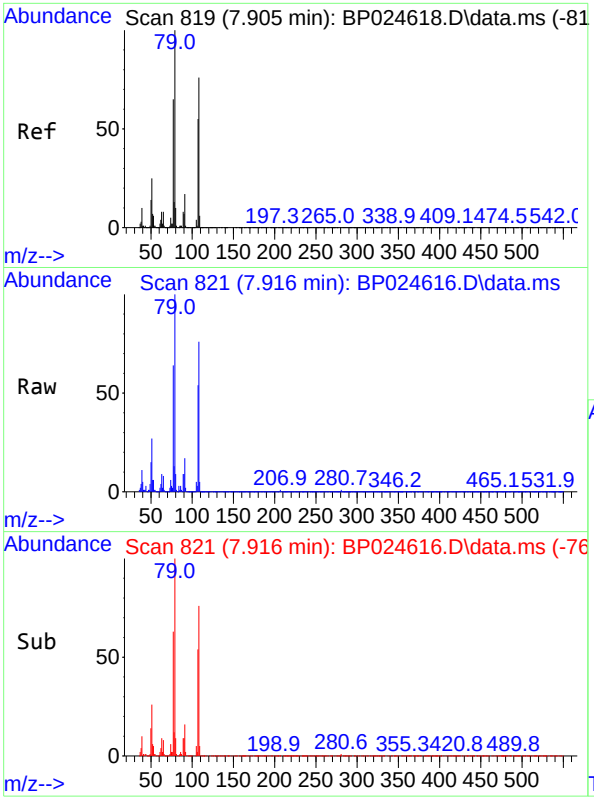


#14
1,2-Dichlorobenzene
Concen: 9.80 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 69643

Ion	Ratio	Lower	Upper
146	100		
148	67.5	51.0	76.4
111	46.5	35.2	52.8





#15
Benzyl Alcohol
Concen: 8.37 ng
RT: 7.916 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 79 Resp: 4509

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.8	91.2
77	63.5	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
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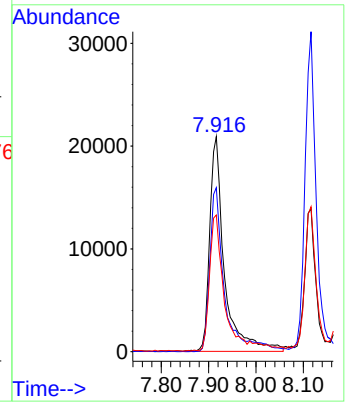
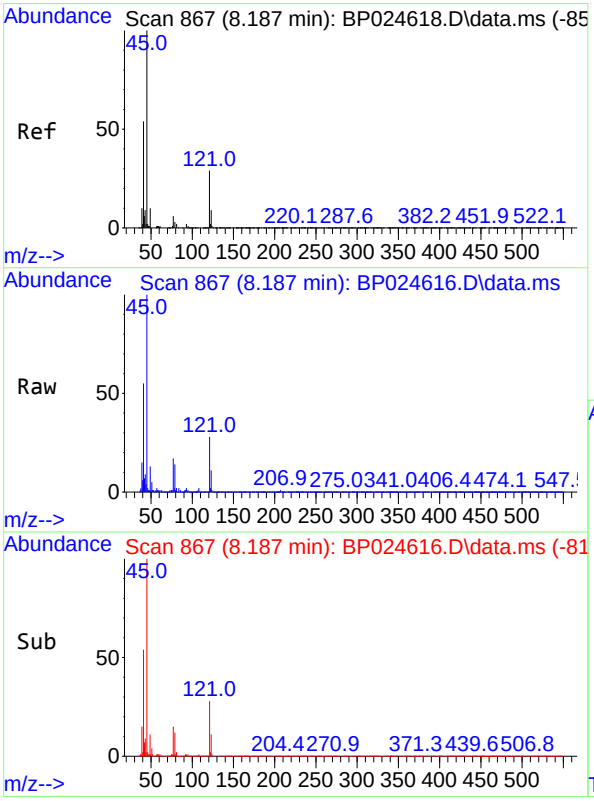
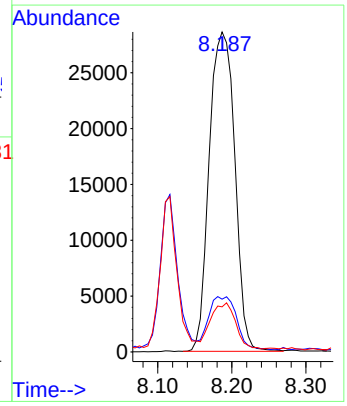


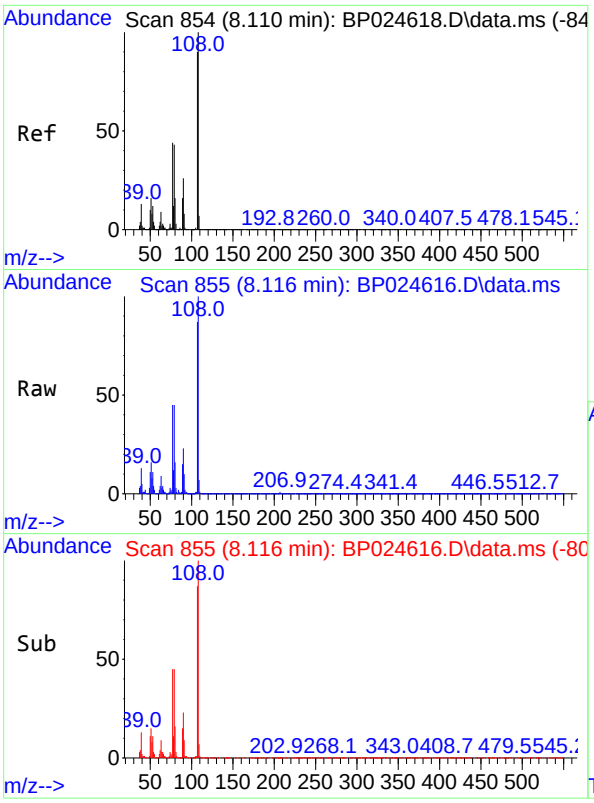


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.53 ng
RT: 8.187 min Scan# 867
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 45 Resp: 68599

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.7
79	14.1	0.0	34.0

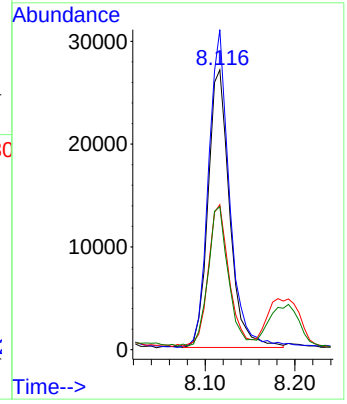




#17
2-Methylphenol
Concen: 8.59 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 4507

Ion	Ratio	Lower	Upper
107	100		
108	114.4	88.9	133.3
77	51.8	39.0	58.6
79	51.1	38.4	57.6



Instrument :
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ClientSampleId :
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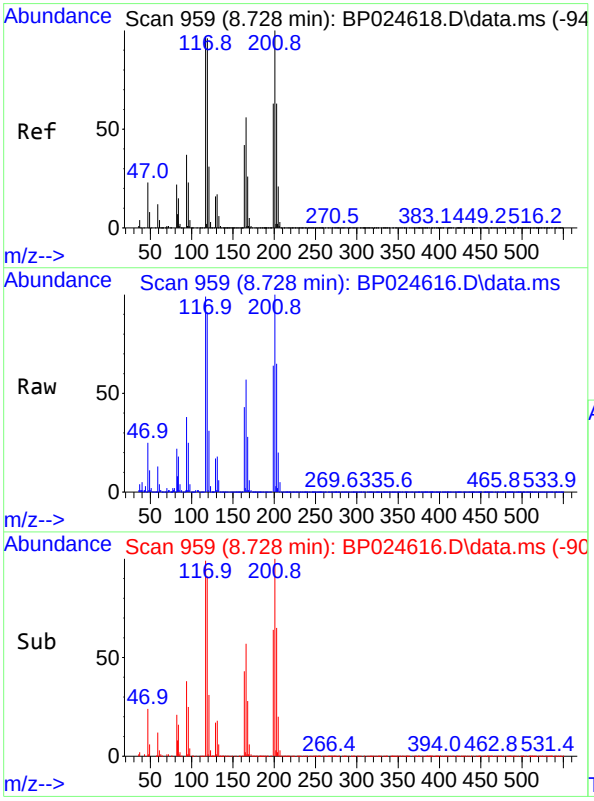
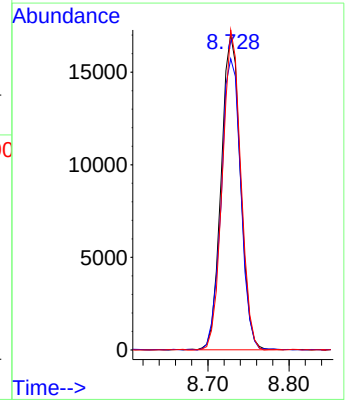
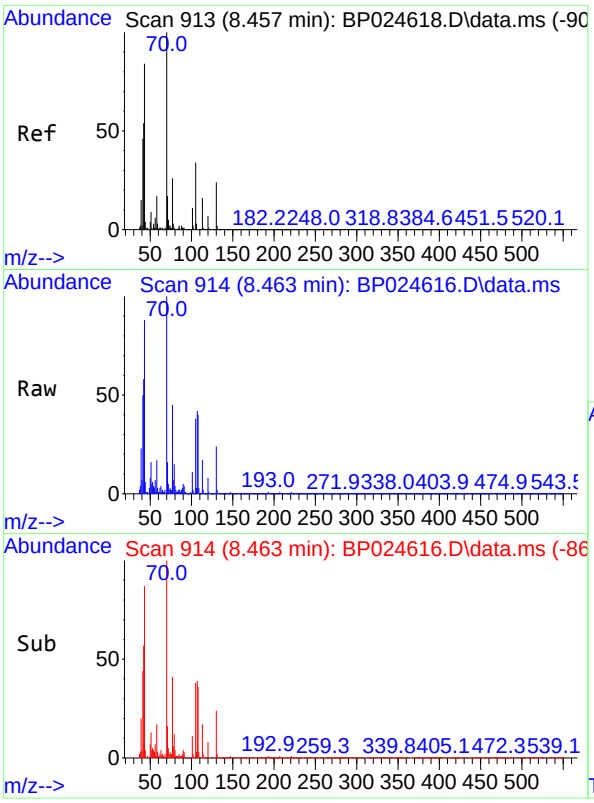


#18
Hexachloroethane
Concen: 10.05 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:117 Resp: 28078

Ion	Ratio	Lower	Upper
117	100		
119	92.3	79.4	119.0
201	101.4	82.7	124.1

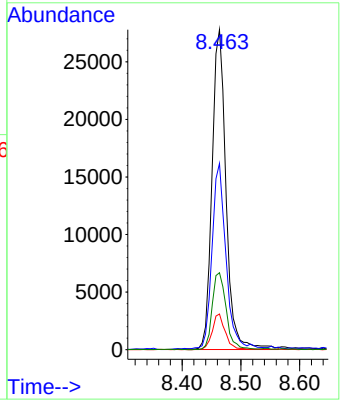




#19
n-Nitroso-di-n-propylamine
Concen: 9.37 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 70 Resp: 4592

Ion	Ratio	Lower	Upper
70	100		
42	58.2	43.0	64.6
101	11.2	8.7	13.1
130	24.1	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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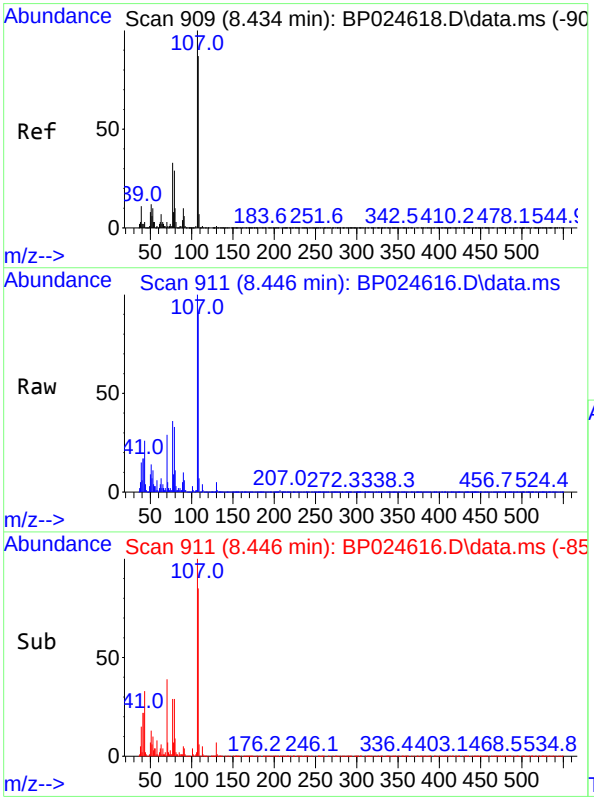
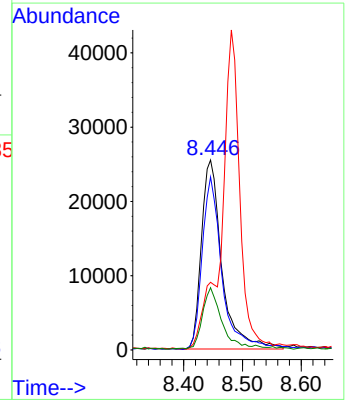
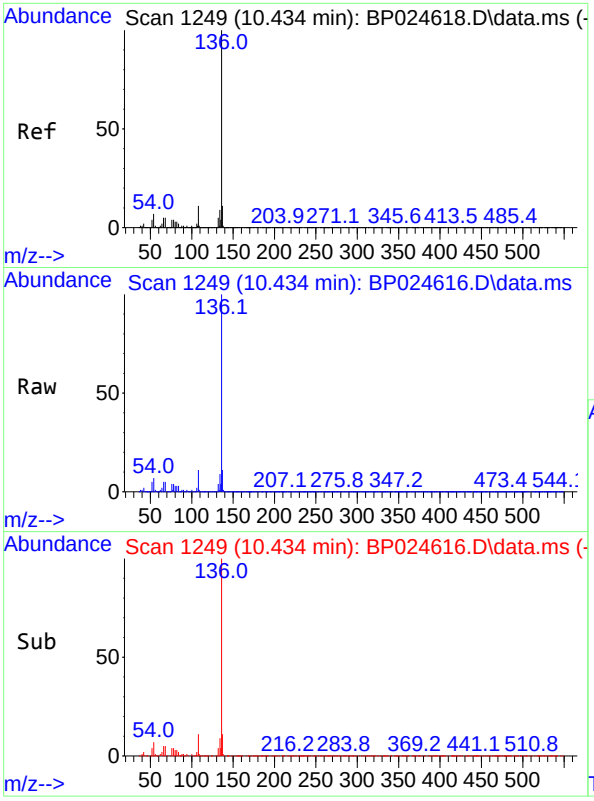


#20
3+4-Methylphenols
Concen: 8.66 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 61832

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.7	106.7
77	35.6	13.1	53.1
79	32.7	8.9	48.9

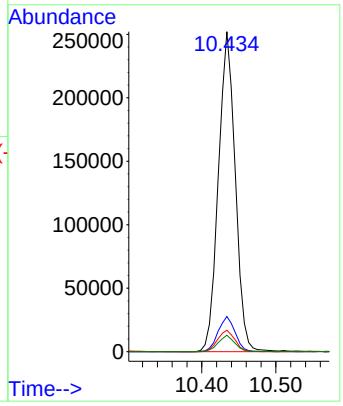




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:136 Resp: 39865

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.5	8.3
68	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
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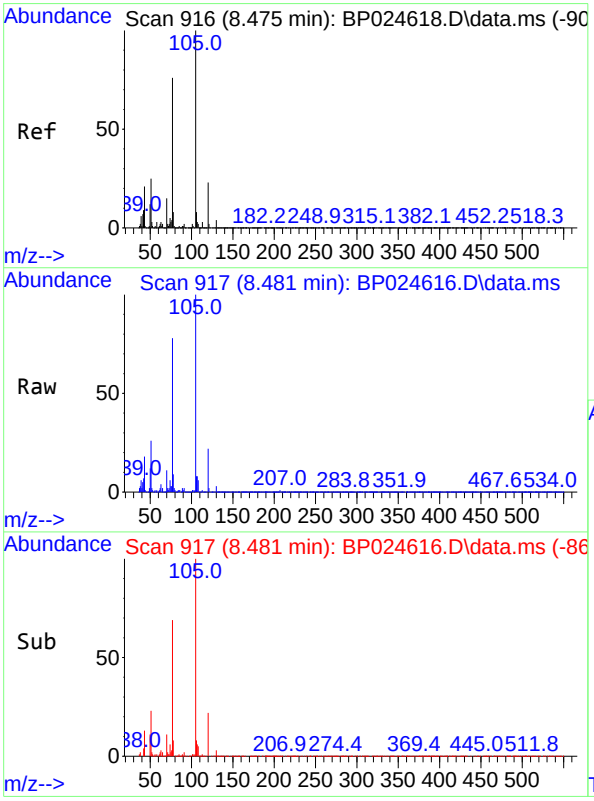
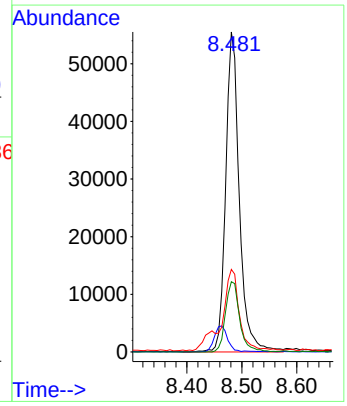
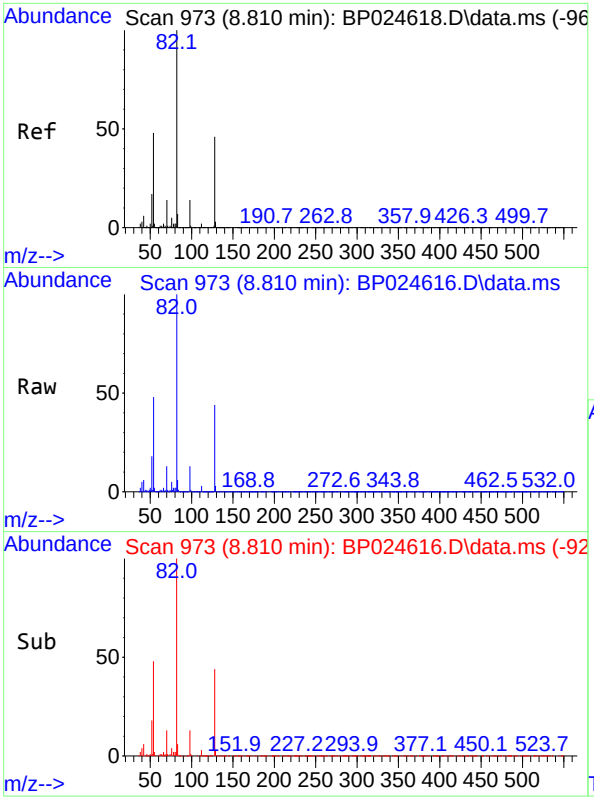


#22
Acetophenone
Concen: 9.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:105 Resp: 95803

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	25.8	20.4	30.6
120	22.0	18.1	27.1

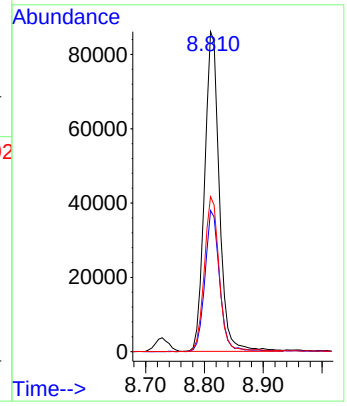




#23
Nitrobenzene-d5
Concen: 19.00 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 14987

Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.0	55.4
54	48.5	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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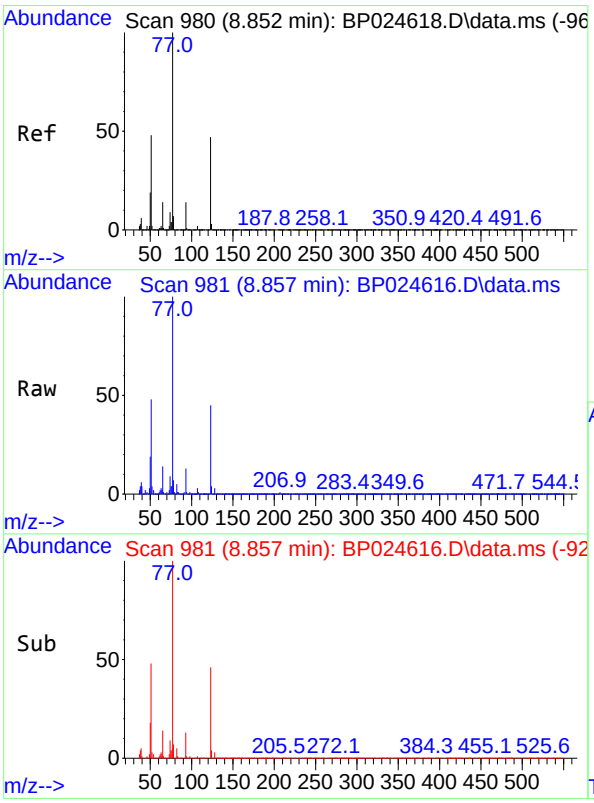
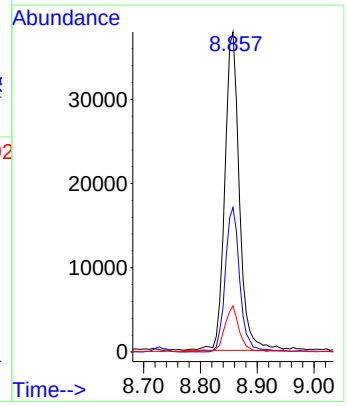
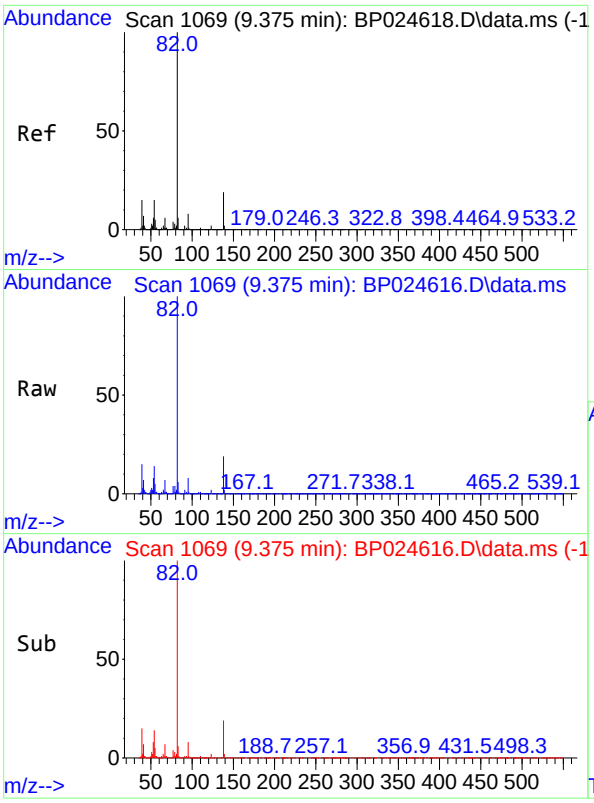


#24
Nitrobenzene
Concen: 9.76 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 67735

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.4	56.0
65	14.4	11.3	16.9

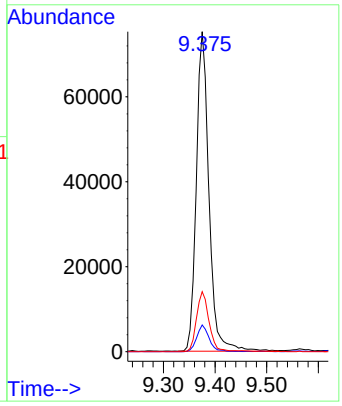




#25
Isophorone
Concen: 9.31 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 12747

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	18.7	15.3	22.9



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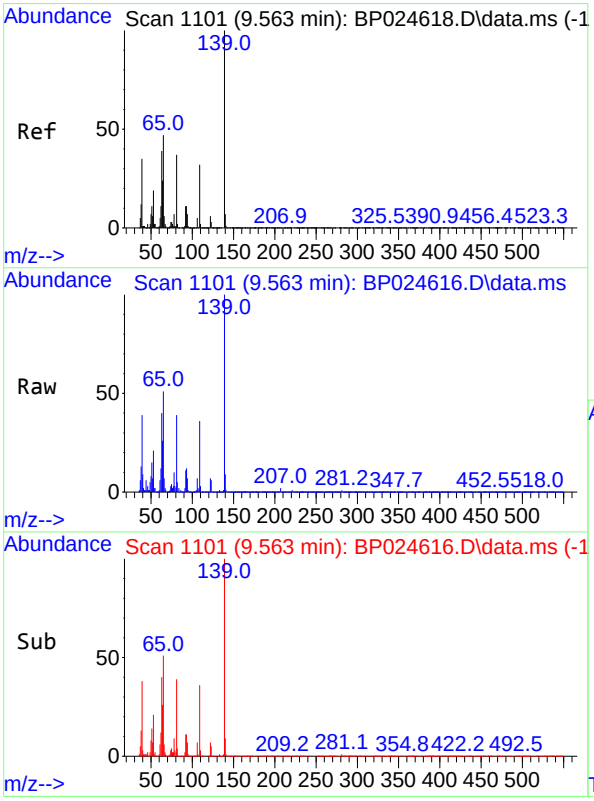
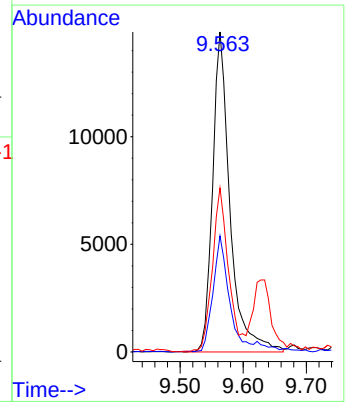
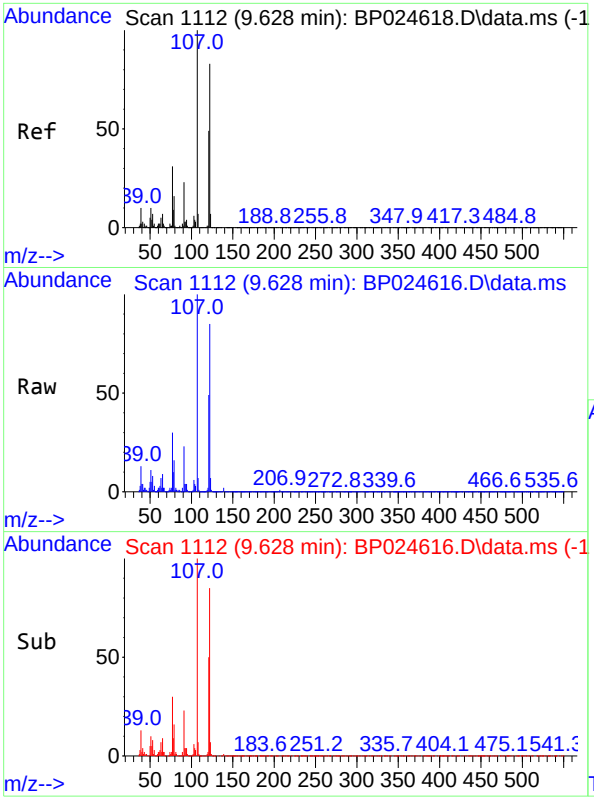


#26
2-Nitrophenol
Concen: 8.37 ng
RT: 9.563 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 28470

Ion	Ratio	Lower	Upper
139	100		
109	36.2	25.9	38.9
65	51.3	37.9	56.9

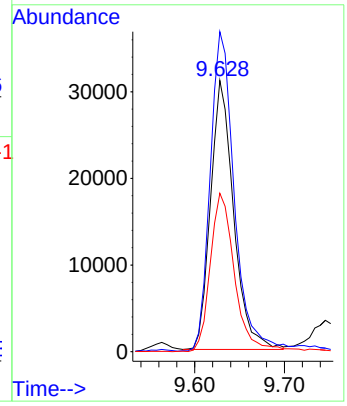




#27
2,4-Dimethylphenol
Concen: 9.28 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 5566

Ion	Ratio	Lower	Upper
122	100		
107	118.0	96.2	144.2
121	58.4	47.6	71.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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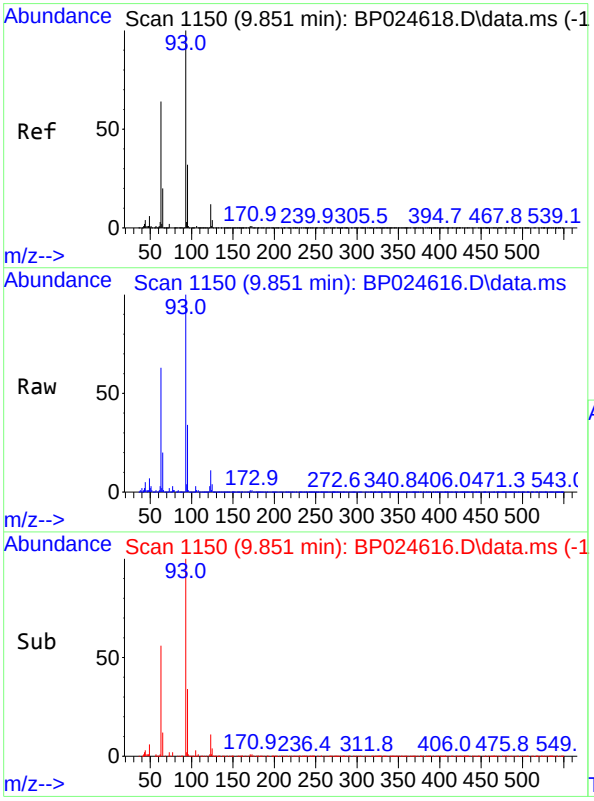
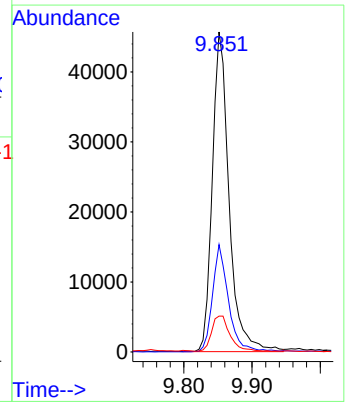
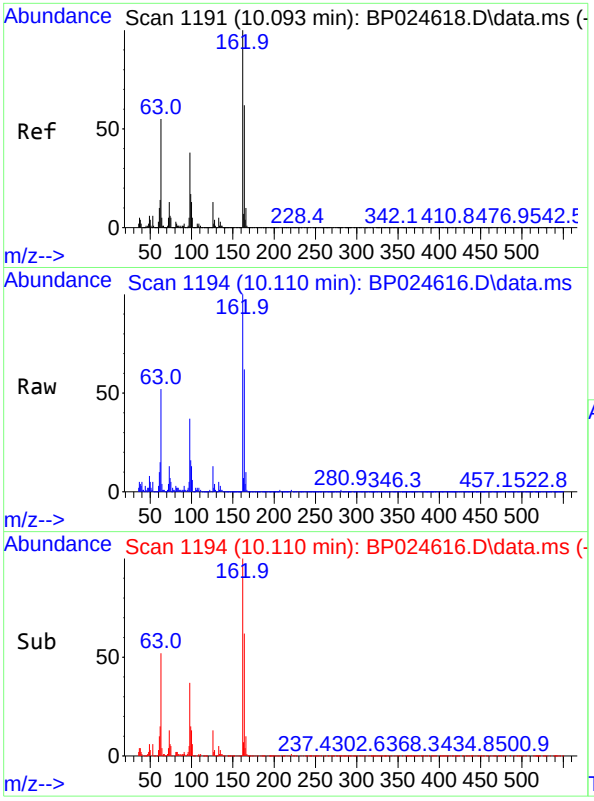


#28
bis(2-Chloroethoxy)methane
Concen: 9.54 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 78019

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.5	38.3
123	11.2	9.7	14.5

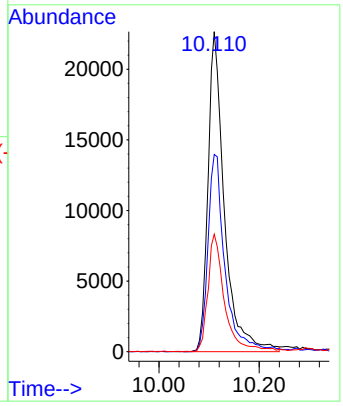




#29
2,4-Dichlorophenol
Concen: 8.84 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 5138

Ion	Ratio	Lower	Upper
162	100		
164	61.7	42.3	82.3
98	36.7	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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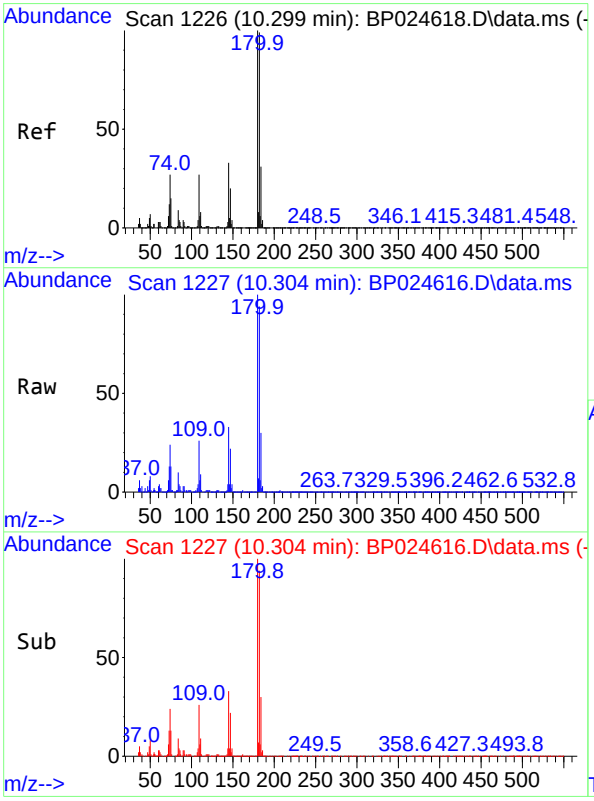
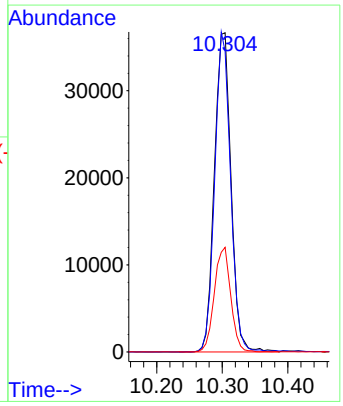
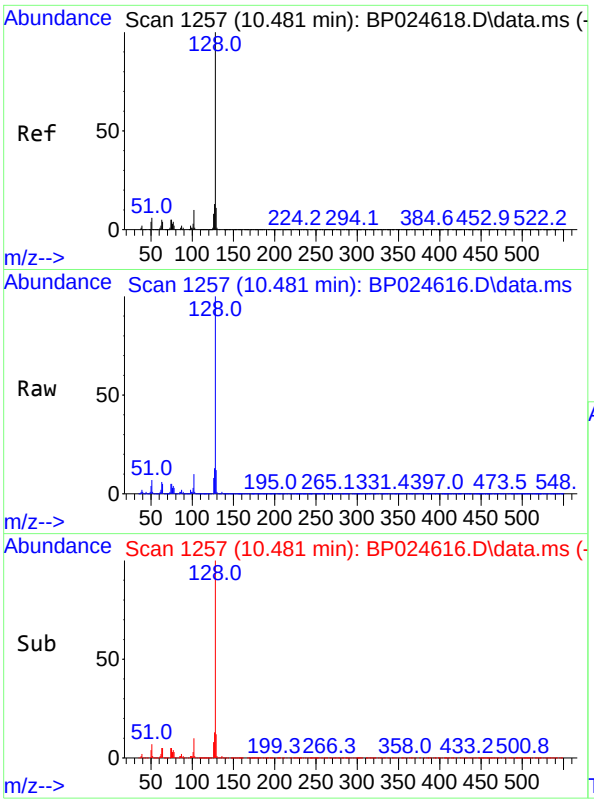


#30
1,2,4-Trichlorobenzene
Concen: 9.81 ng
RT: 10.304 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:180 Resp: 64245

Ion	Ratio	Lower	Upper
180	100		
182	94.1	79.0	118.4
145	32.8	26.6	39.8

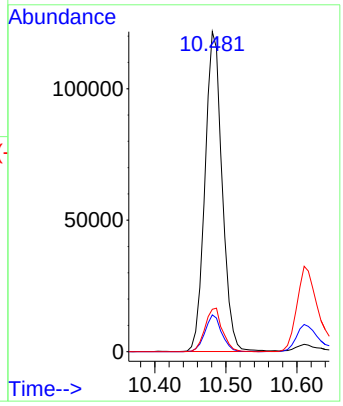




#31
Naphthalene
Concen: 9.90 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 20446

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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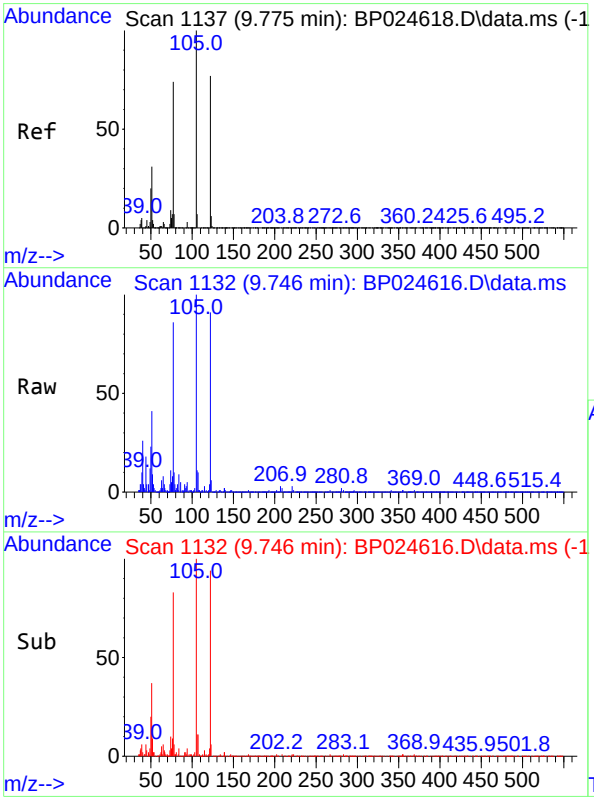
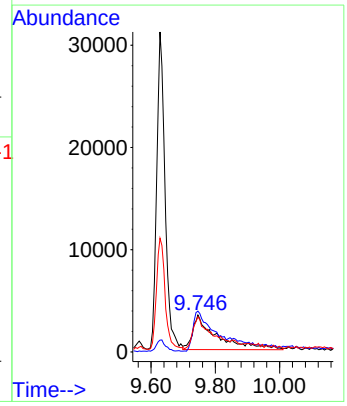
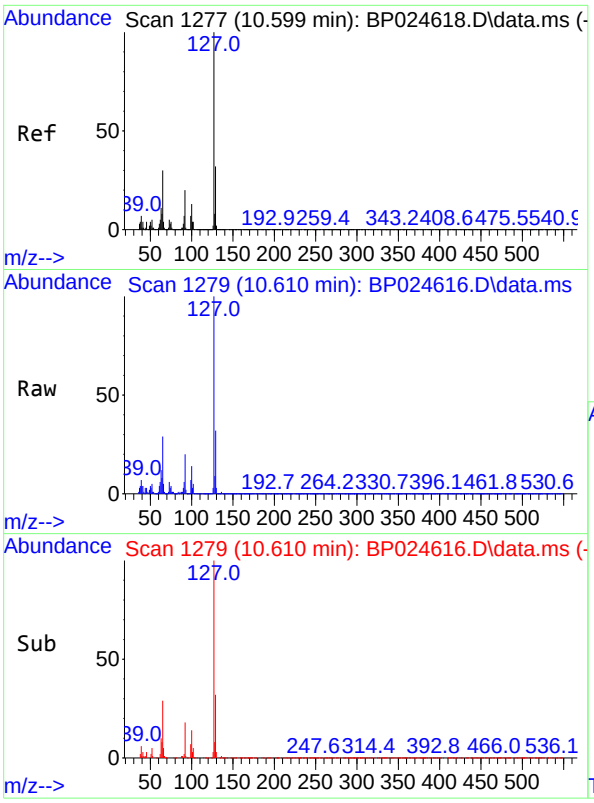


#32
Benzoic acid
Concen: 10.42 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 17770

Ion	Ratio	Lower	Upper
122	100		
105	110.3	106.9	146.9
77	95.0	75.1	115.1

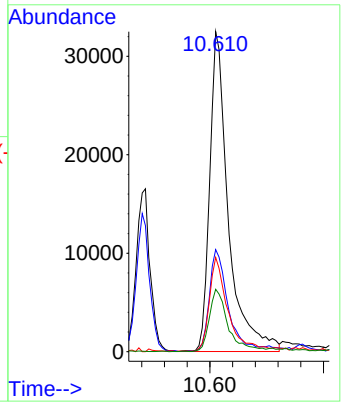




#33
4-Chloroaniline
Concen: 8.88 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:127 Resp: 7399

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.5	23.9	35.9
92	19.5	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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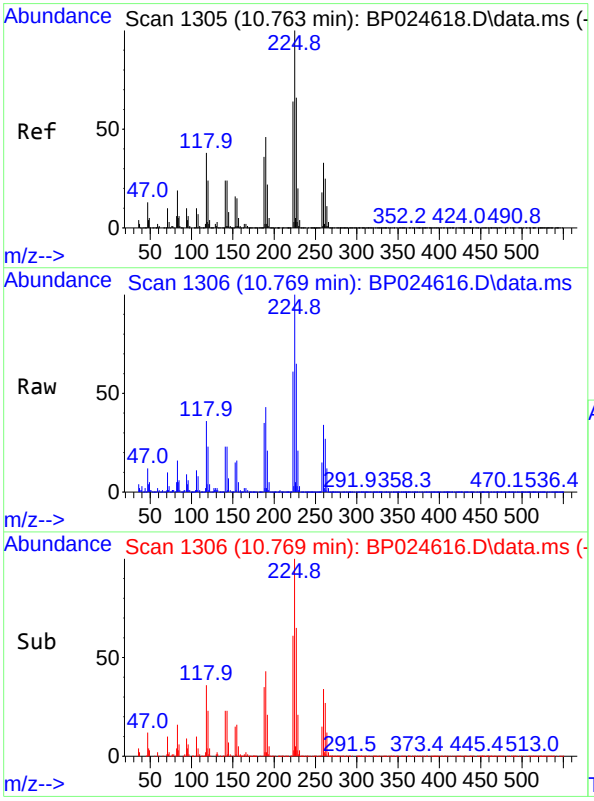
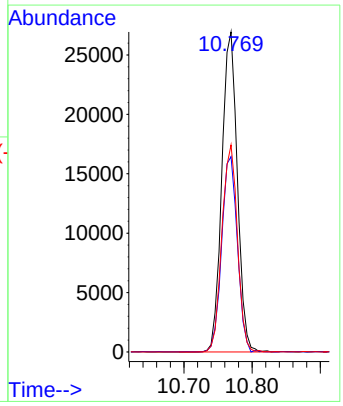
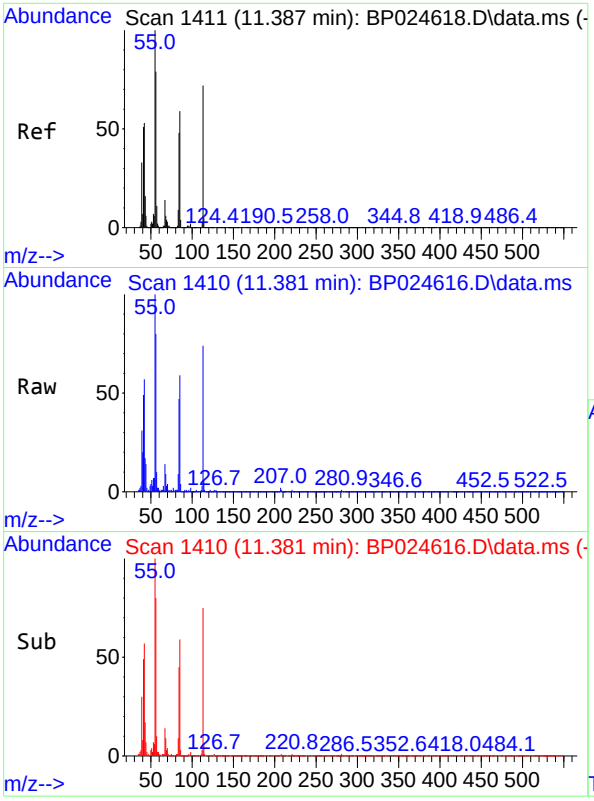


#34
Hexachlorobutadiene
Concen: 10.03 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:225 Resp: 42567

Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.0	76.6
227	64.7	53.1	79.7

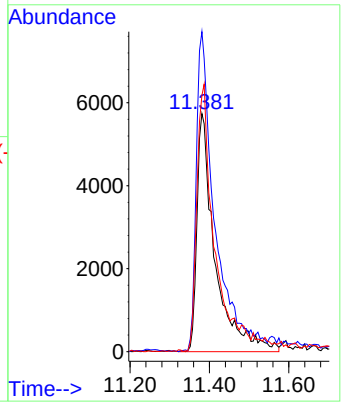




#35
Caprolactam
Concen: 8.68 ng m
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:113 Resp: 1824

Ion	Ratio	Lower	Upper
113	100		
55	134.4	119.0	159.0
56	107.7	90.3	130.3



Instrument :
BNA_P
ClientSampleId :
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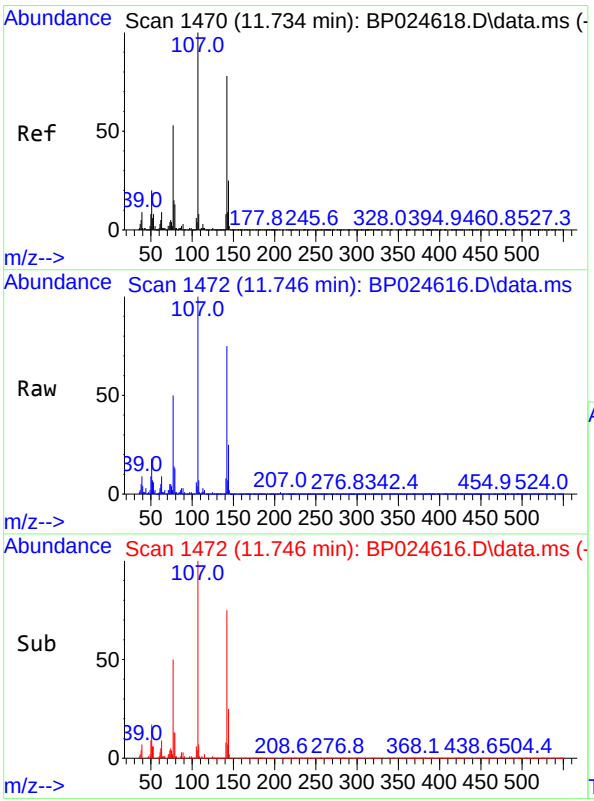
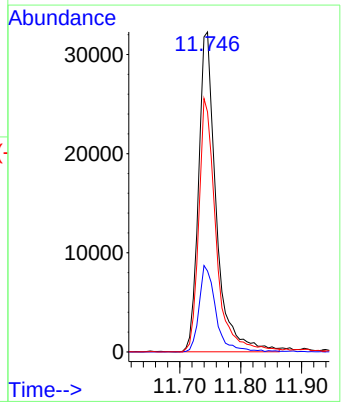
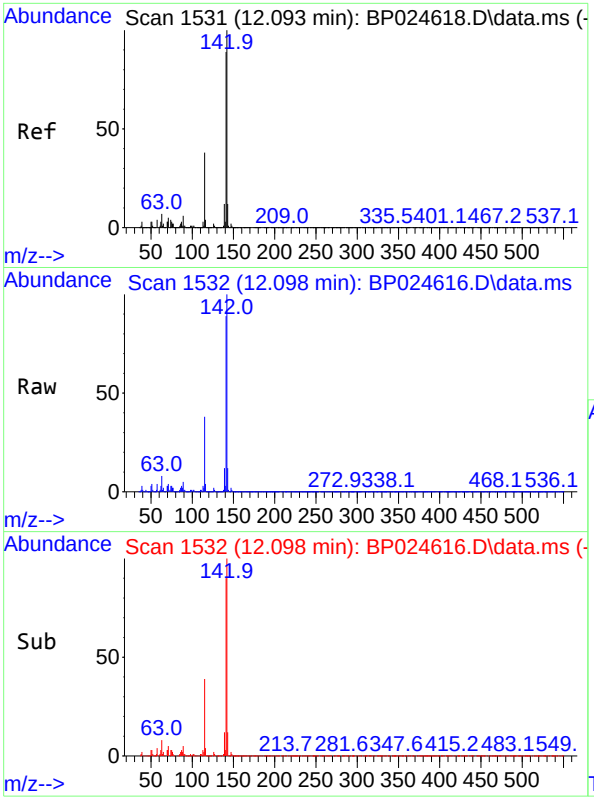


#36
4-Chloro-3-methylphenol
Concen: 9.15 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 64857

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.1	30.1
142	75.0	62.1	93.1





#37
2-Methylnaphthalene
Concen: 9.75 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 13041

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.2	106.8
115	38.0	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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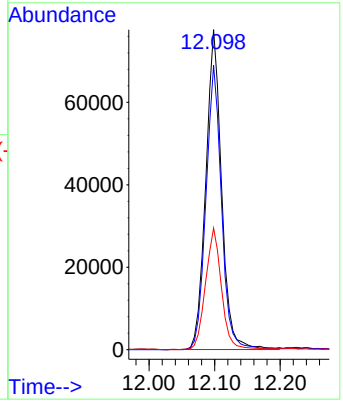
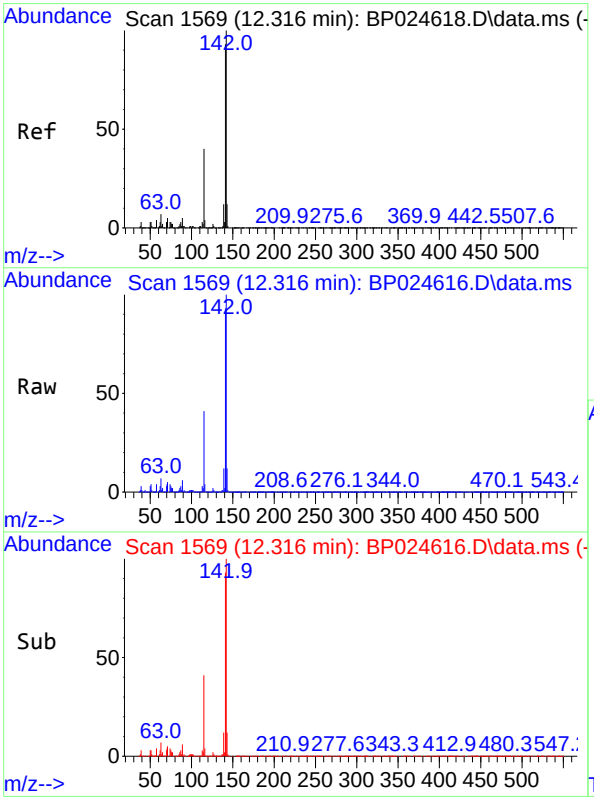
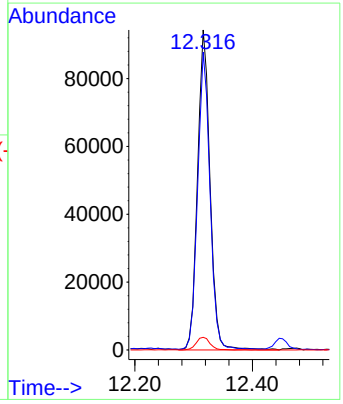


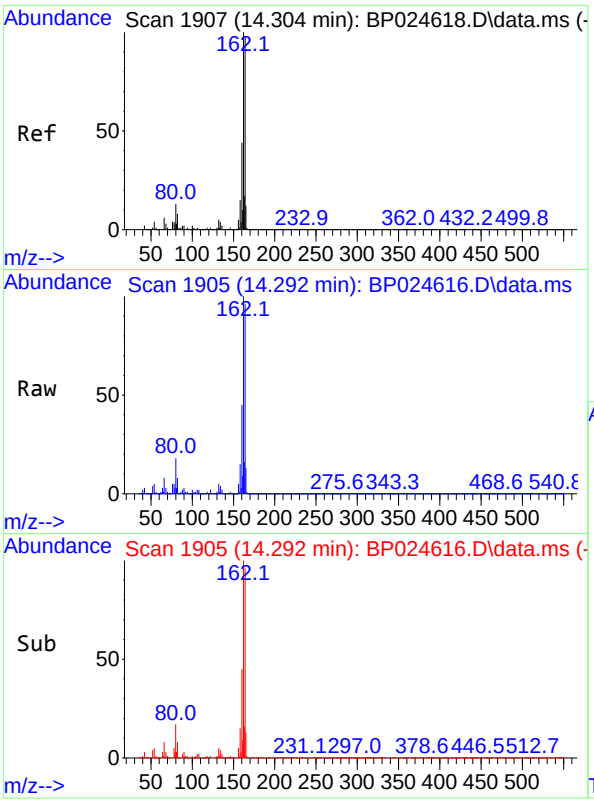


#38
1-Methylnaphthalene
Concen: 9.75 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 139573

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.0	3.4	5.2

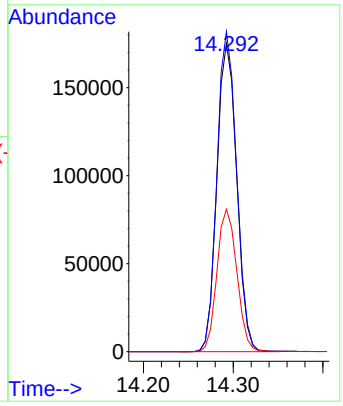




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:164 Resp: 26833

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	46.2	36.3	54.5



Instrument :
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ClientSampleId :
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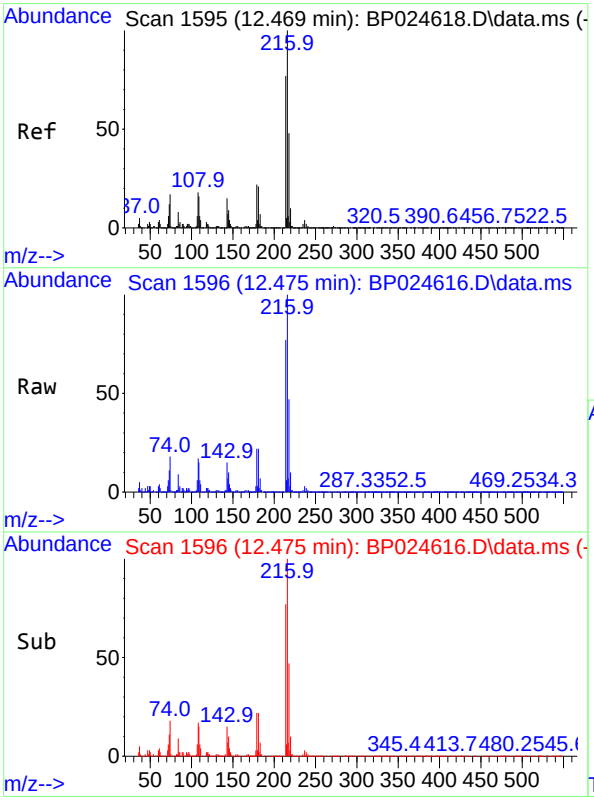
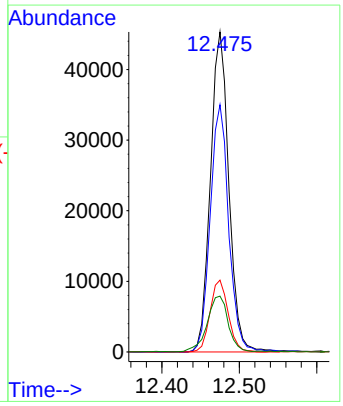
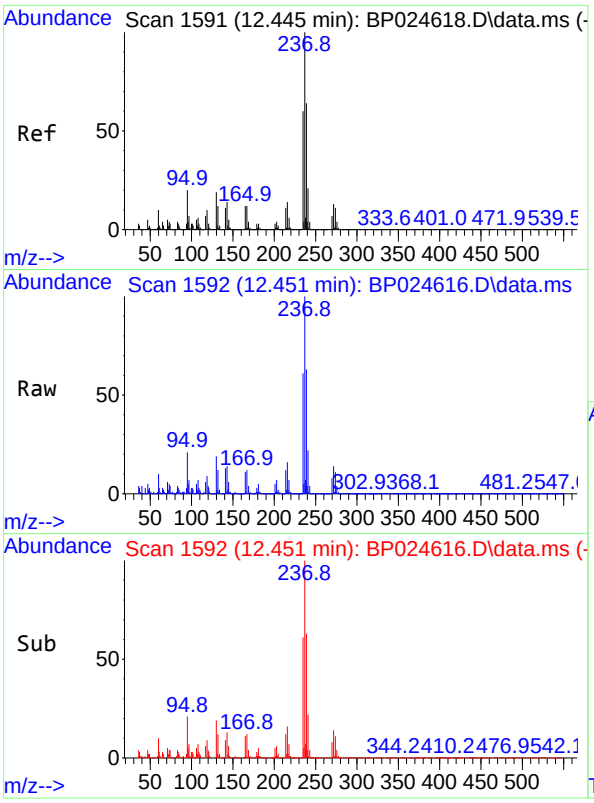


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.60 ng
RT: 12.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:216 Resp: 74824

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.2	17.7	26.5
108	20.0	16.0	24.0

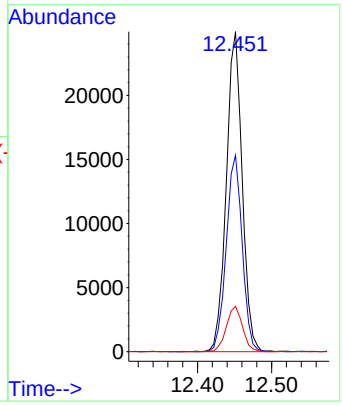




#41
Hexachlorocyclopentadiene
Concen: 7.85 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:237 Resp: 3707

Ion	Ratio	Lower	Upper
237	100		
235	61.4	39.9	79.9
272	14.2	0.0	33.2



Instrument :
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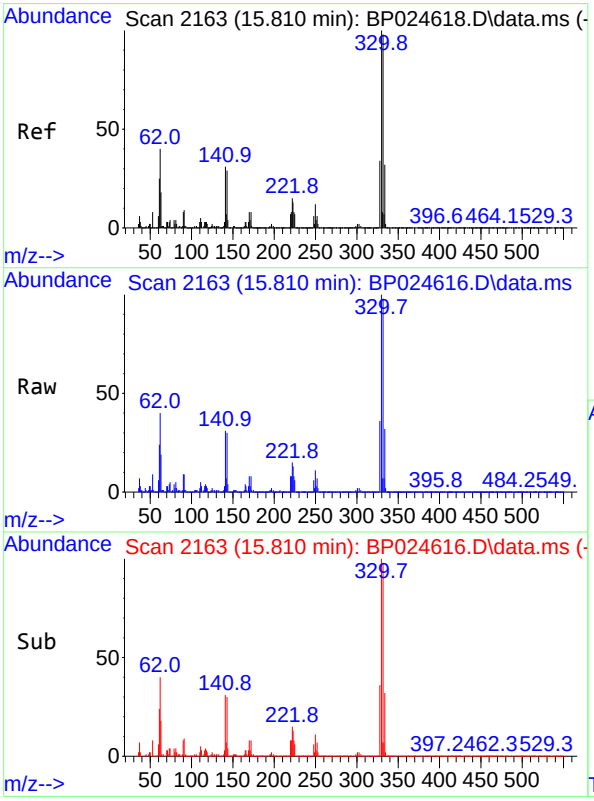
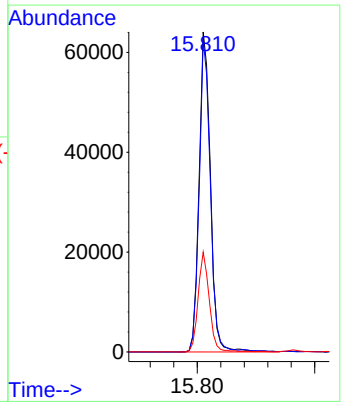
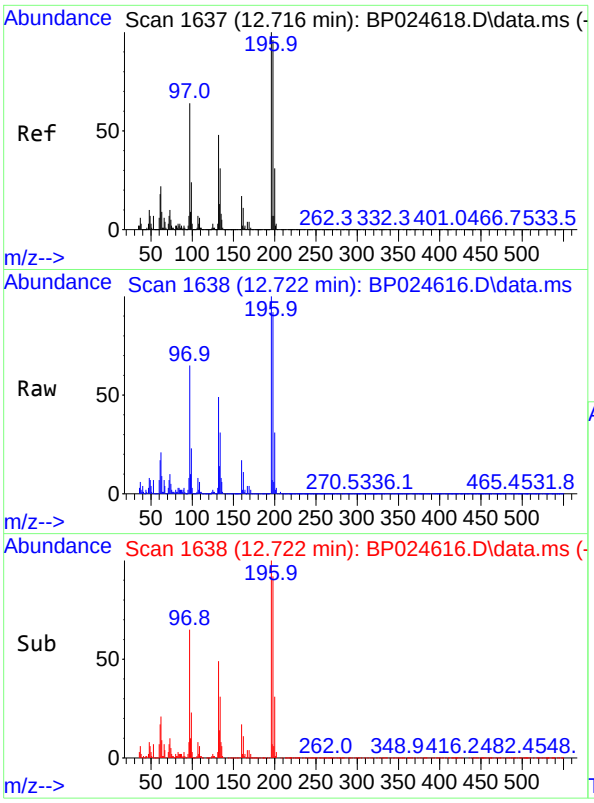


#42
2,4,6-Tribromophenol
Concen: 18.93 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:330 Resp: 86099

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.2	117.4
141	30.5	24.3	36.5

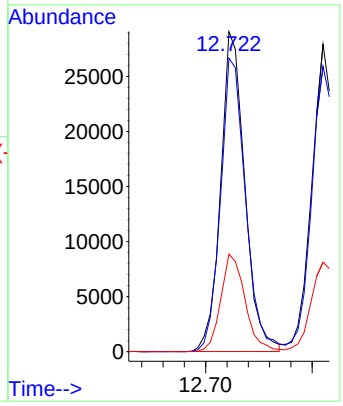




#43
2,4,6-Trichlorophenol
Concen: 9.07 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 4579

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.9	115.3
200	30.5	25.2	37.8



Instrument :
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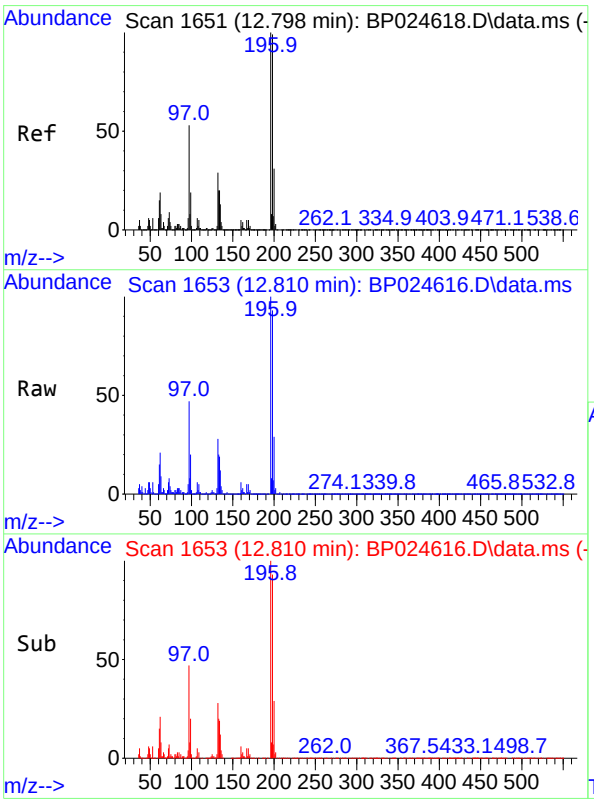
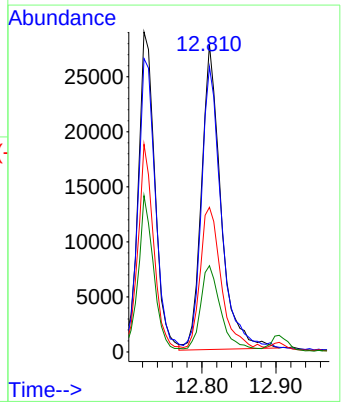
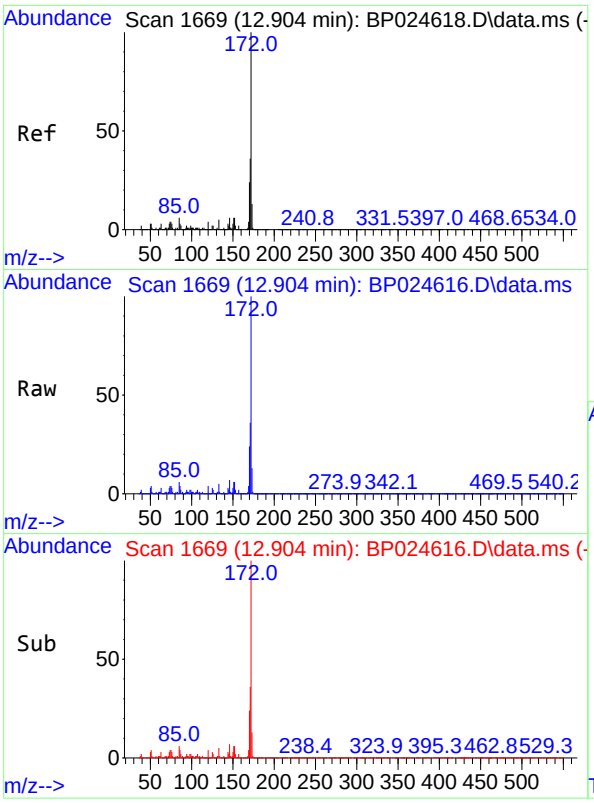


#44
2,4,5-Trichlorophenol
Concen: 8.96 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 50348

Ion	Ratio	Lower	Upper
196	100		
198	92.8	79.2	118.8
97	47.0	42.3	63.5
132	28.1	23.3	34.9

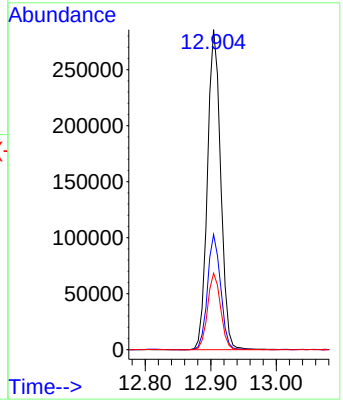




#45
2-Fluorobiphenyl
Concen: 19.63 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:172 Resp: 40198

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.9	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
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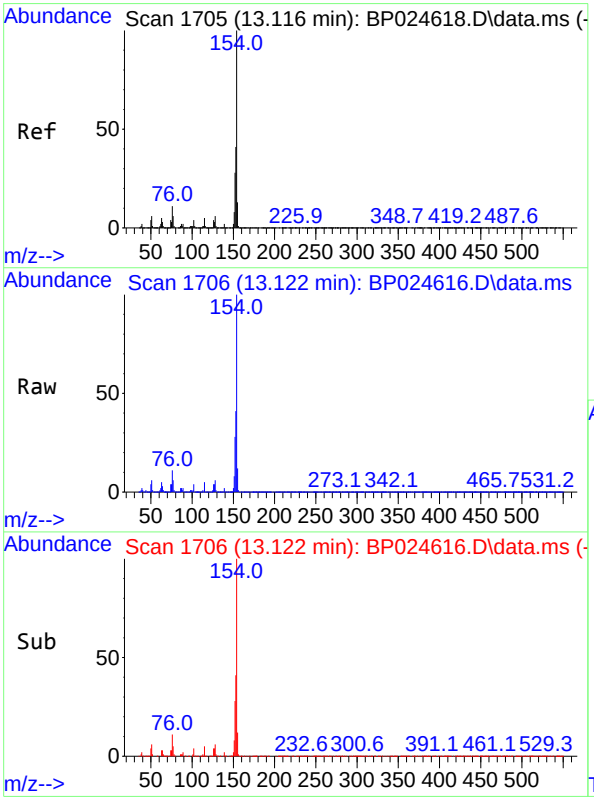
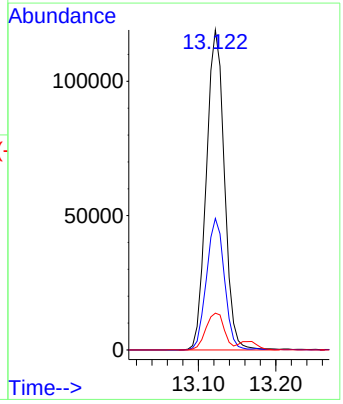
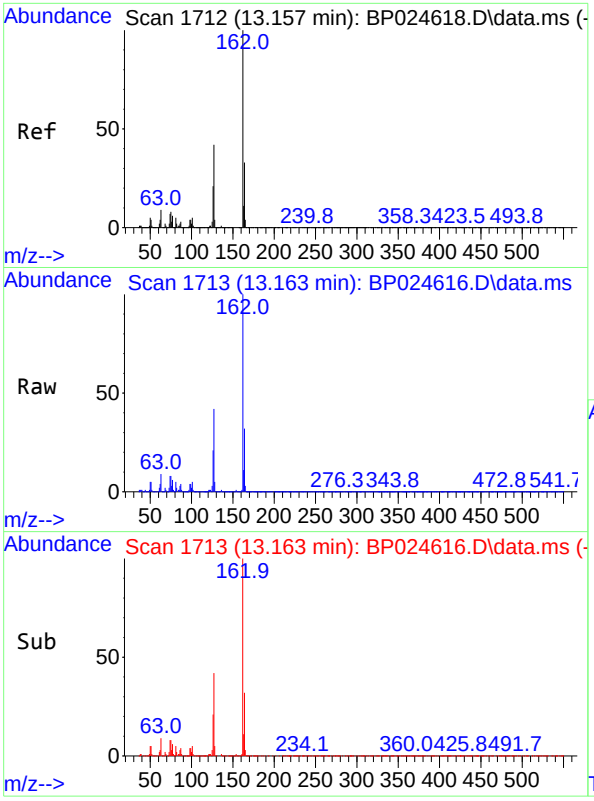


#46
1,1'-Biphenyl
Concen: 9.70 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 192445

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	11.5	0.0	31.5

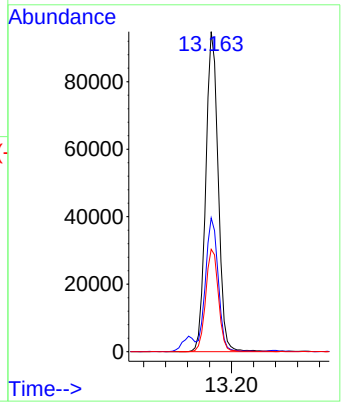




#47
2-Chloronaphthalene
Concen: 9.82 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 14844

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.8	50.6
164	32.0	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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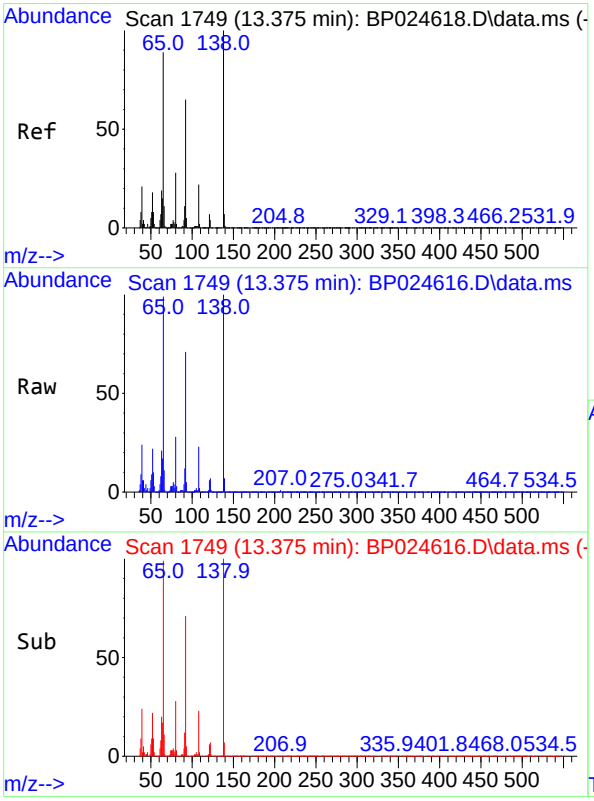
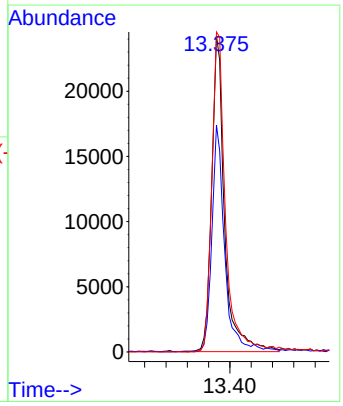
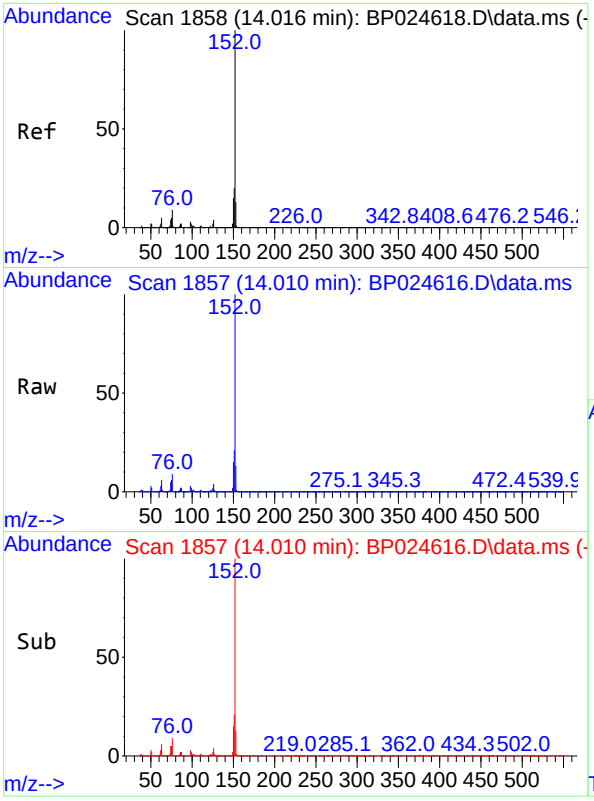


#48
2-Nitroaniline
Concen: 9.11 ng
RT: 13.375 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 65 Resp: 40786

Ion	Ratio	Lower	Upper
65	100		
92	71.8	58.7	88.1
138	101.2	90.2	135.2

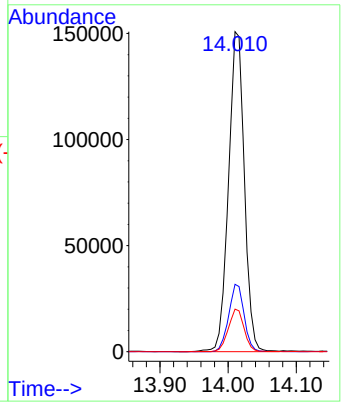




#49
Acenaphthylene
Concen: 9.64 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 24391

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4
153	13.3	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
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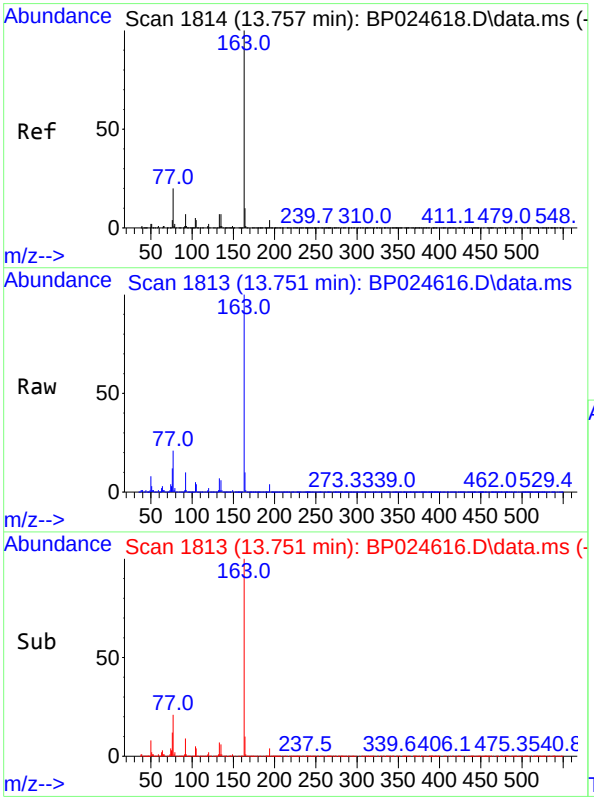
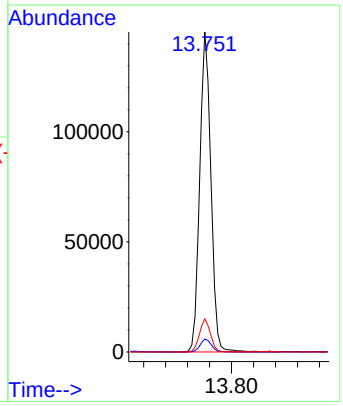
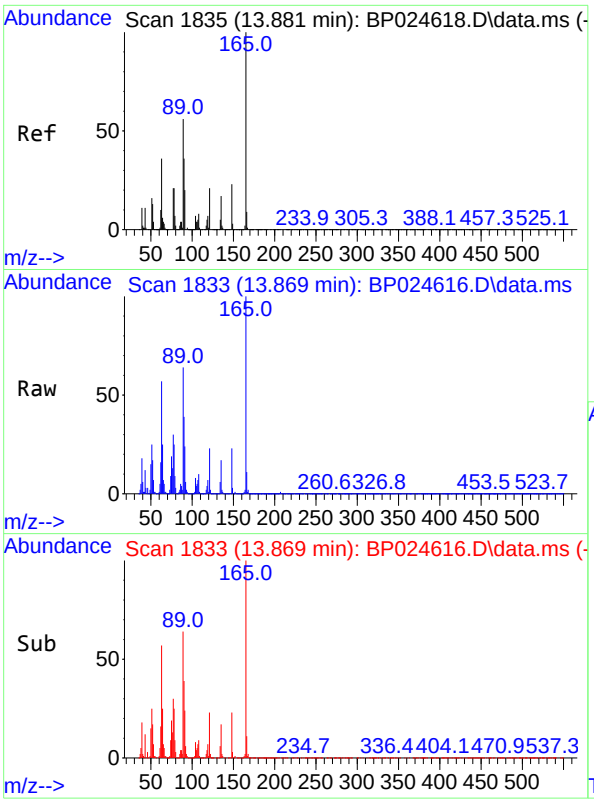


#50
Dimethylphthalate
Concen: 10.01 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:163 Resp: 204825

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	8.1	12.1

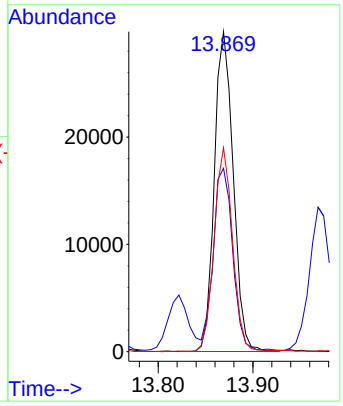




#51
2,6-Dinitrotoluene
Concen: 9.55 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:165 Resp: 4125

Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.4	63.6
89	63.7	44.8	67.2



Instrument :
BNA_P
ClientSampleId :
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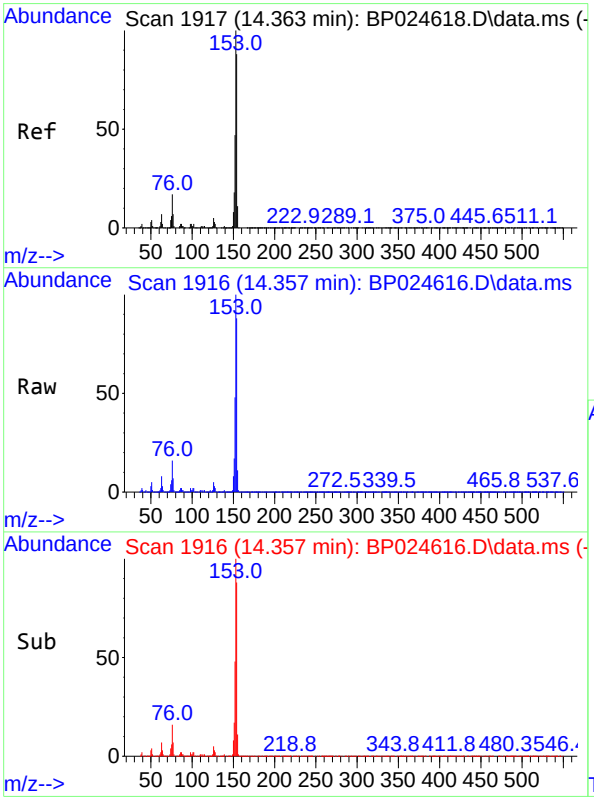
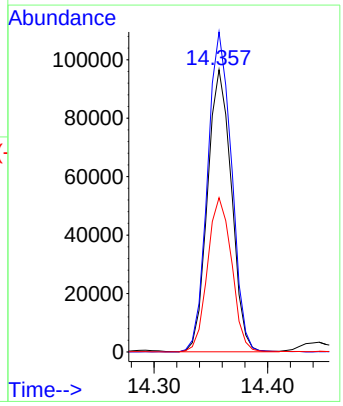
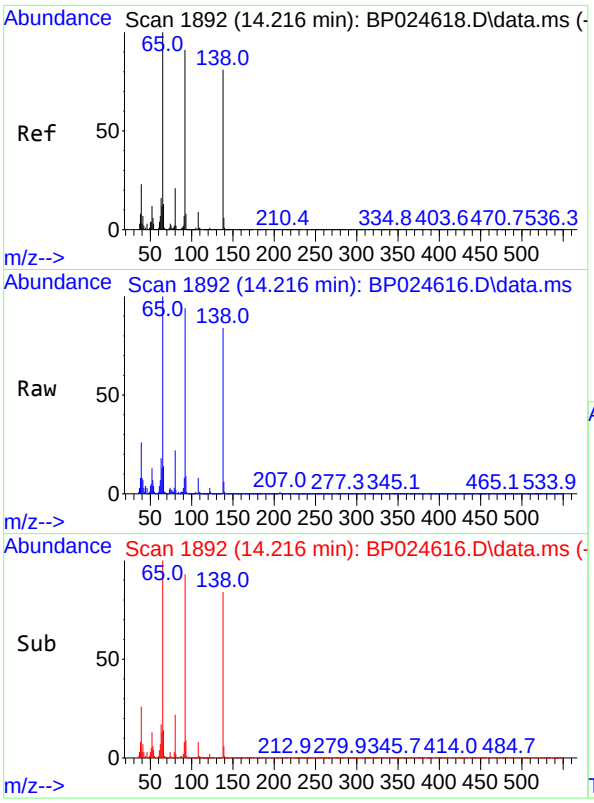


#52
Acenaphthene
Concen: 9.72 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 141360

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.0	136.4
152	54.6	42.9	64.3

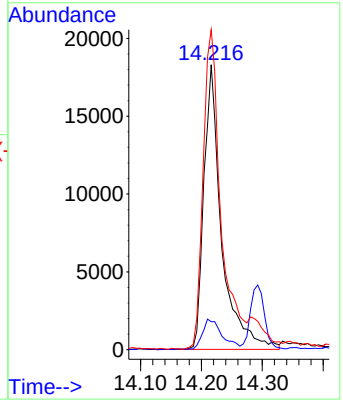




#53
3-Nitroaniline
Concen: 8.37 ng
RT: 14.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 3690

Ion	Ratio	Lower	Upper
138	100		
108	9.9	9.0	13.4
92	112.3	90.1	135.1



Instrument :
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ClientSampleId :
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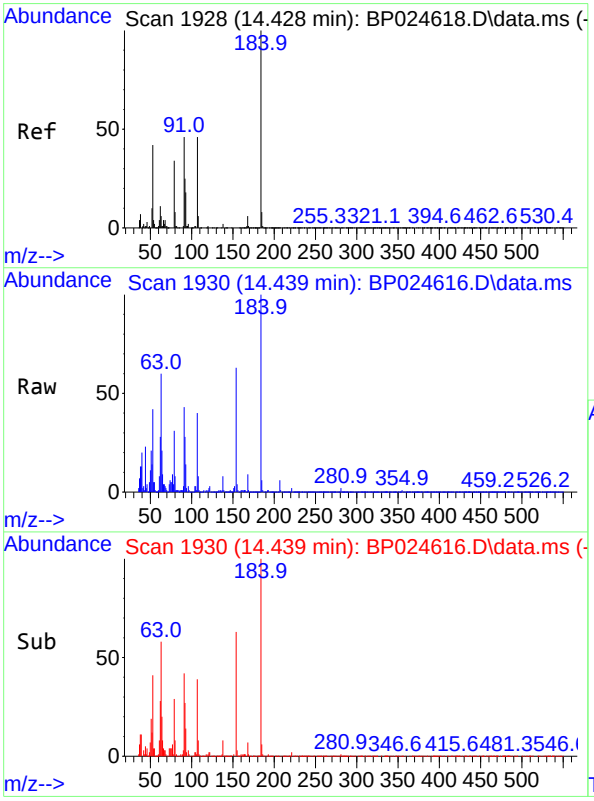
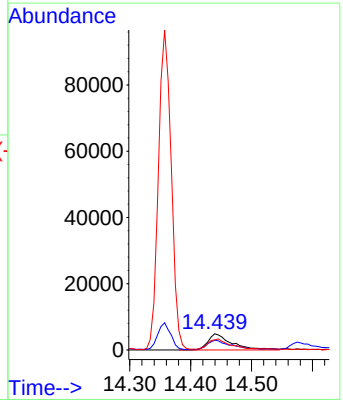
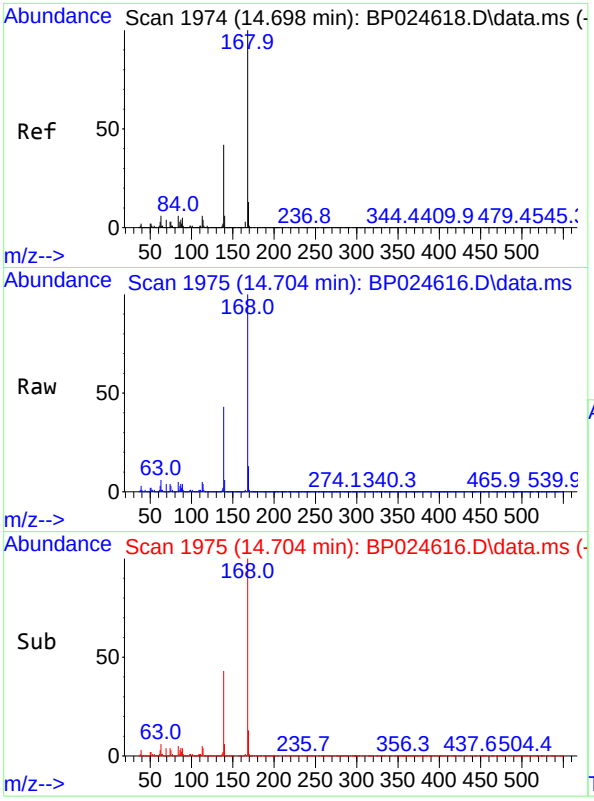


#54
2,4-Dinitrophenol
Concen: 10.84 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.011 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 13128

Ion	Ratio	Lower	Upper
184	100		
63	60.3	51.3	76.9
154	62.9	53.5	80.3

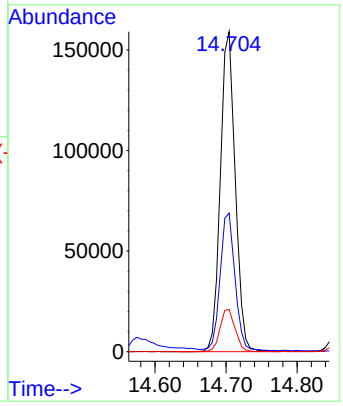




#55
Dibenzofuran
Concen: 9.92 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:168 Resp: 23028

Ion	Ratio	Lower	Upper
168	100		
139	43.3	34.2	51.4
169	13.2	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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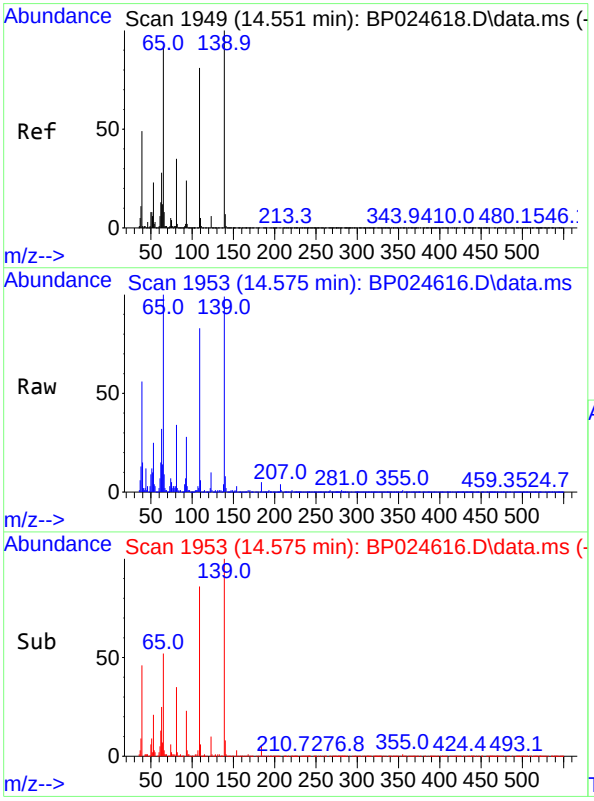
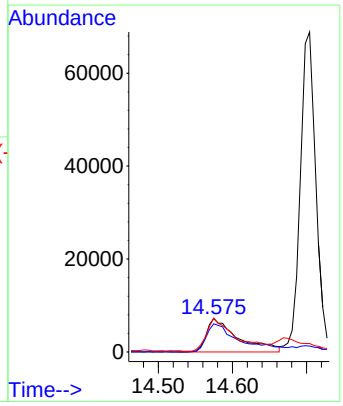
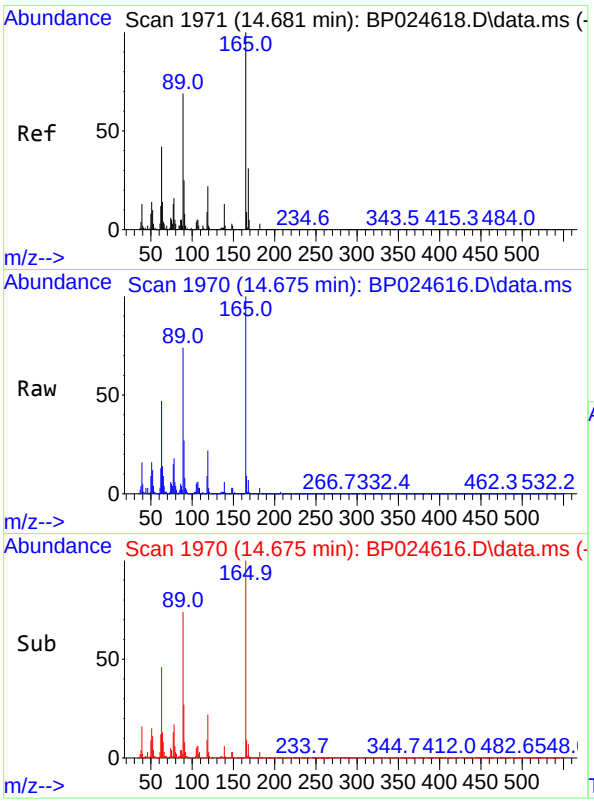


#56
4-Nitrophenol
Concen: 9.53 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 21349

Ion	Ratio	Lower	Upper
139	100		
109	84.4	61.4	101.4
65	101.4	72.2	112.2

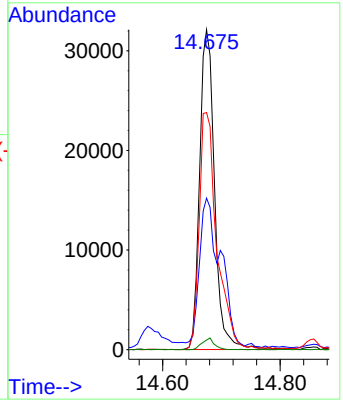




#57
2,4-Dinitrotoluene
Concen: 9.30 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:165 Resp: 5661

Ion	Ratio	Lower	Upper
165	100		
63	47.4	33.8	50.6
89	74.1	55.6	83.4
182	3.0	2.4	3.6



Instrument :
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ClientSampleId :
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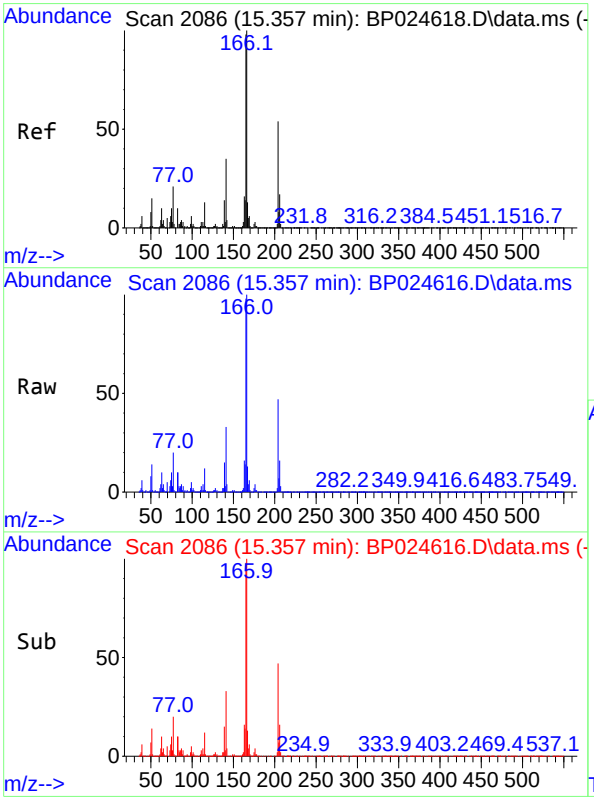
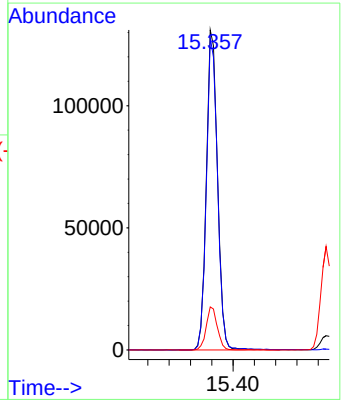
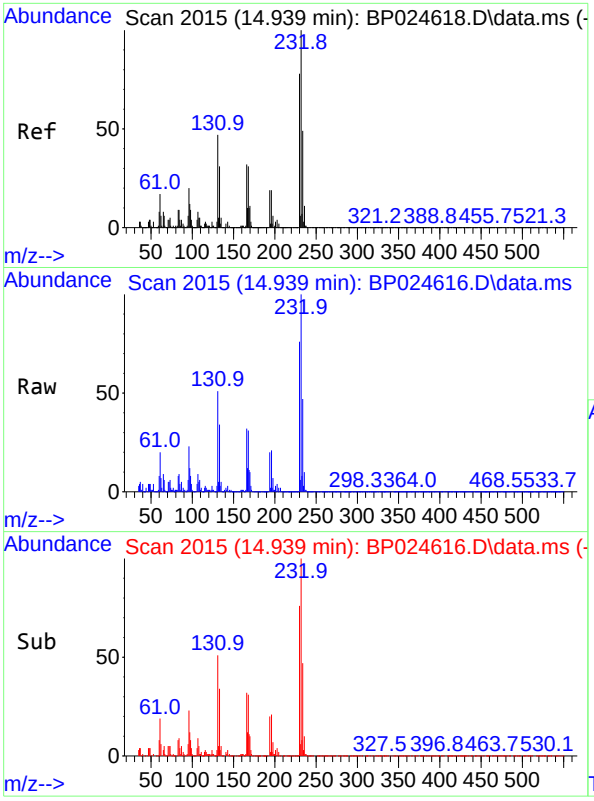


#58
Fluorene
Concen: 10.03 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:166 Resp: 189781

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.5	10.7	16.1

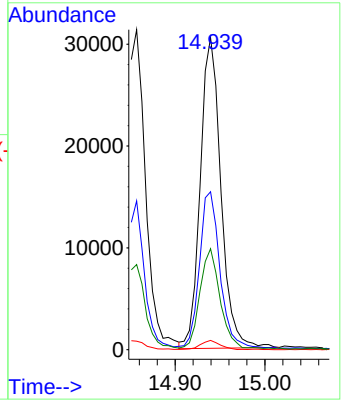




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.37 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:232 Resp: 4882

Ion	Ratio	Lower	Upper
232	100		
131	50.6	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5



Instrument :
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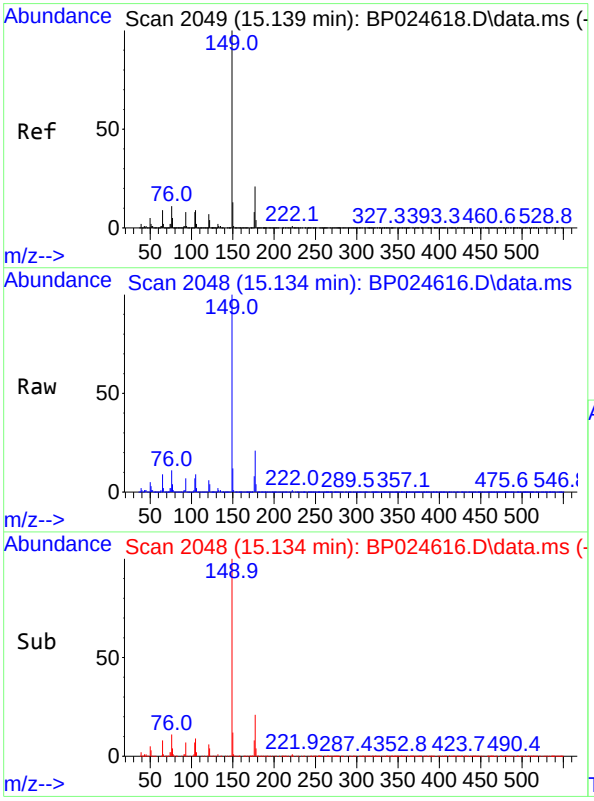
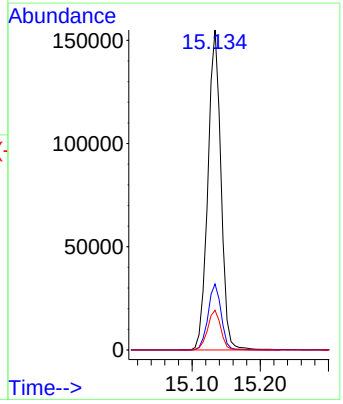
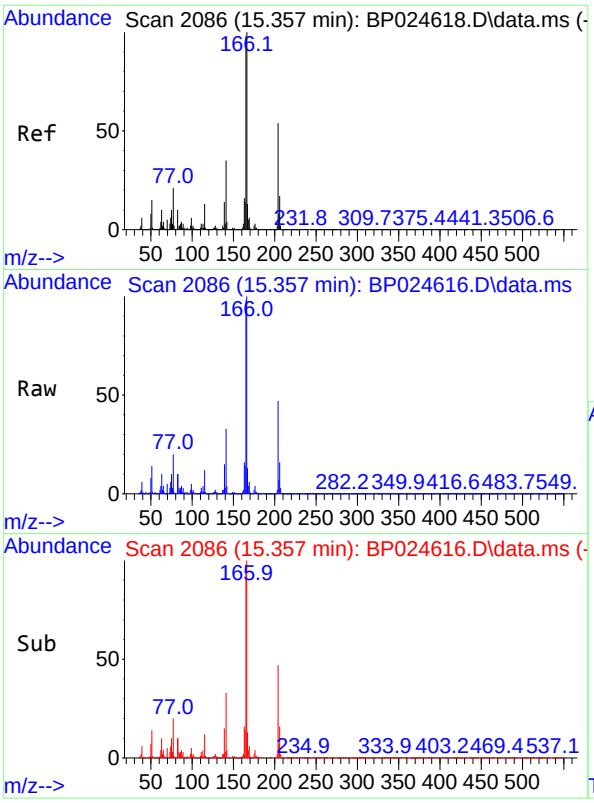


#60
Diethylphthalate
Concen: 10.01 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 206886

Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.7	25.1
150	12.4	10.2	15.2

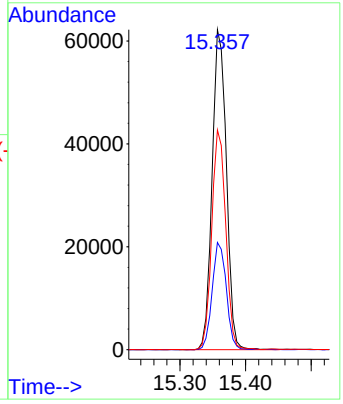




#61
4-Chlorophenyl-phenylether
Concen: 9.91 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:204 Resp: 9351

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.0	39.0
141	68.7	52.9	79.3



Instrument :
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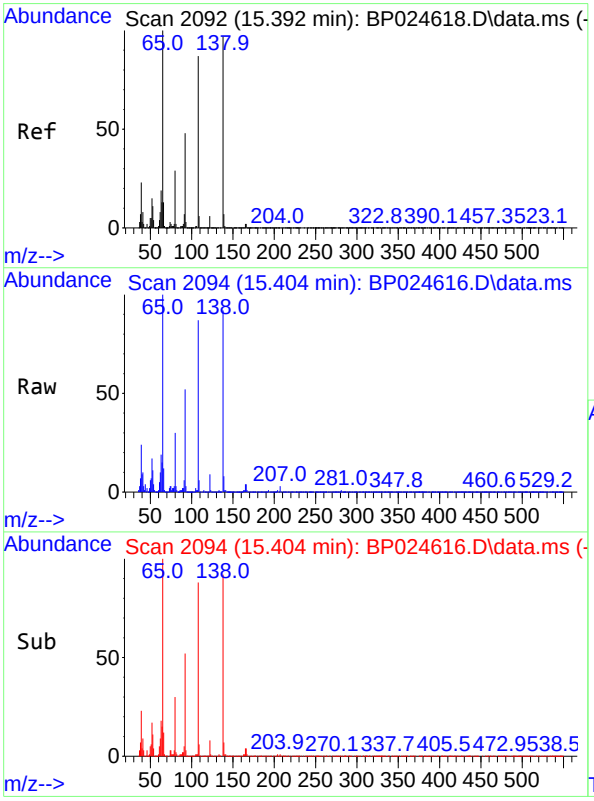
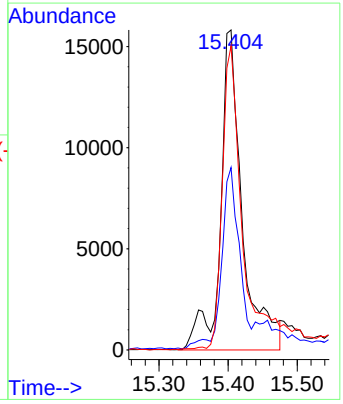
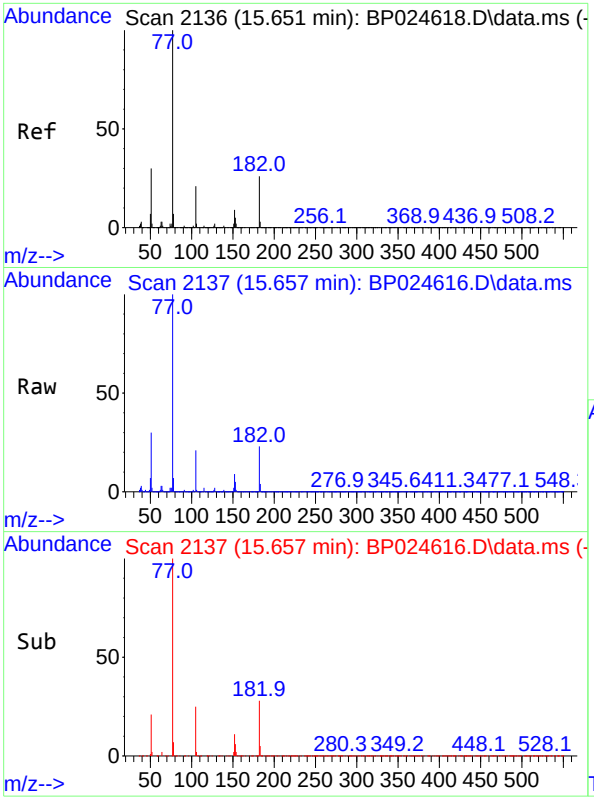


#62
4-Nitroaniline
Concen: 8.11 ng m
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 34813

Ion	Ratio	Lower	Upper
138	100		
92	57.0	29.2	69.2
108	95.0	69.0	109.0

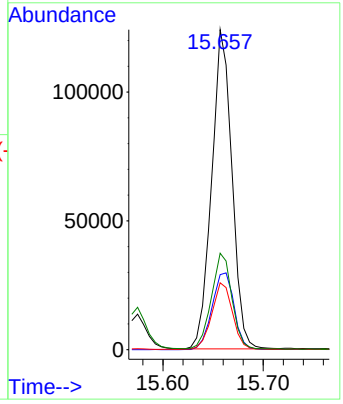




#63
Azobenzene
Concen: 9.86 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 17432

Ion	Ratio	Lower	Upper
77	100		
182	23.5	5.7	45.7
105	20.9	1.3	41.3
51	30.1	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
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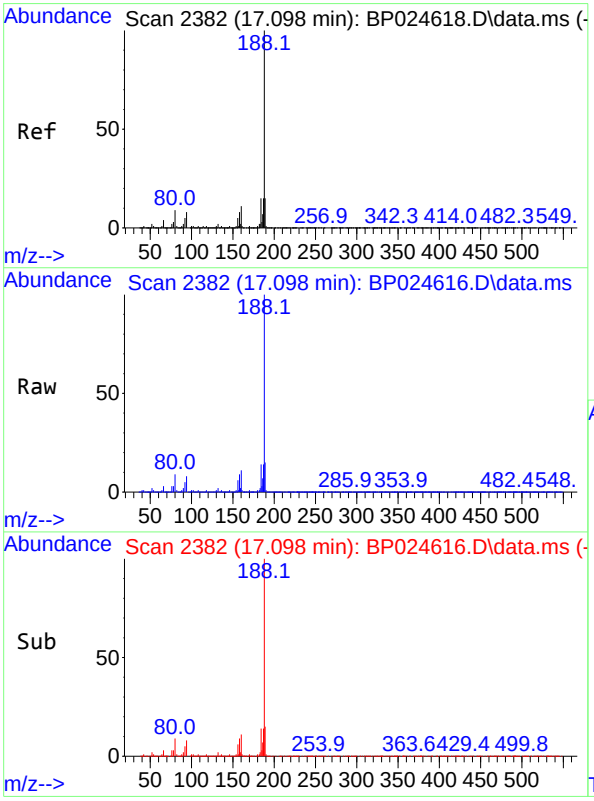
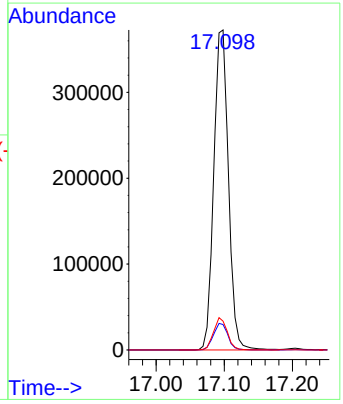
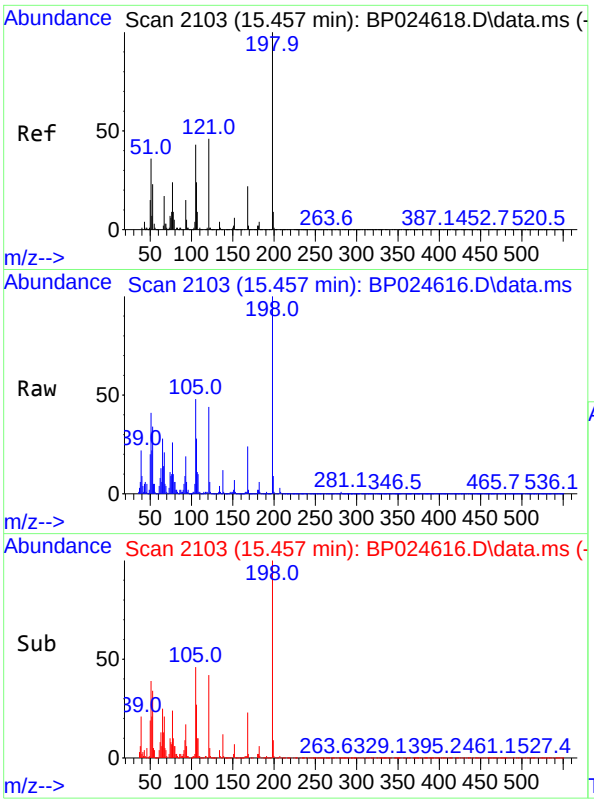


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:188 Resp: 556673

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.0	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 7.28 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:198 Resp: 2617

Ion	Ratio	Lower	Upper
198	100		
51	40.9	21.1	61.1
105	47.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
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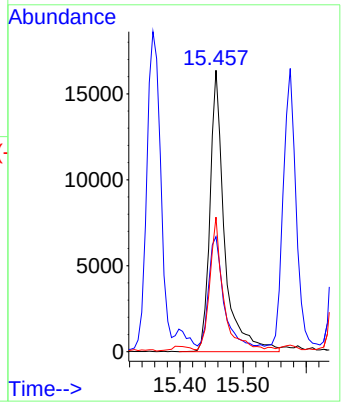
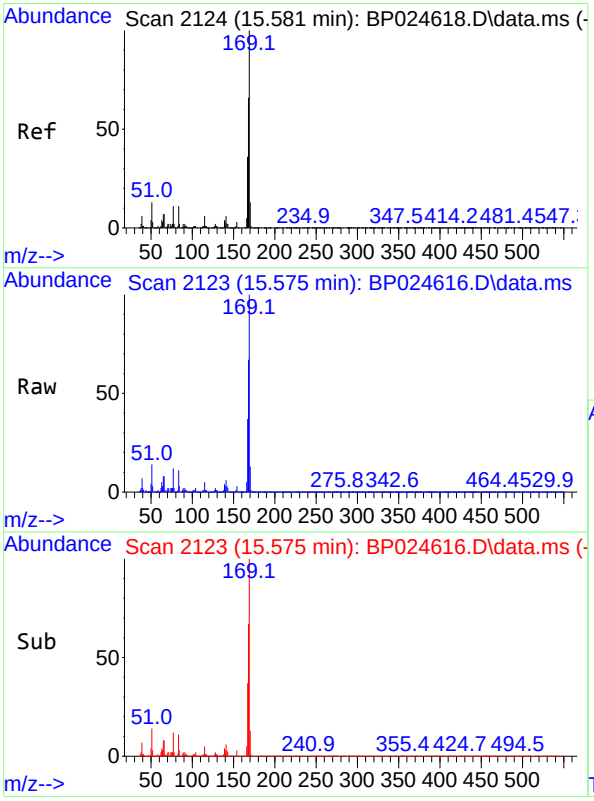
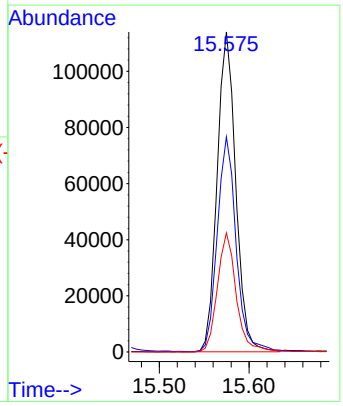


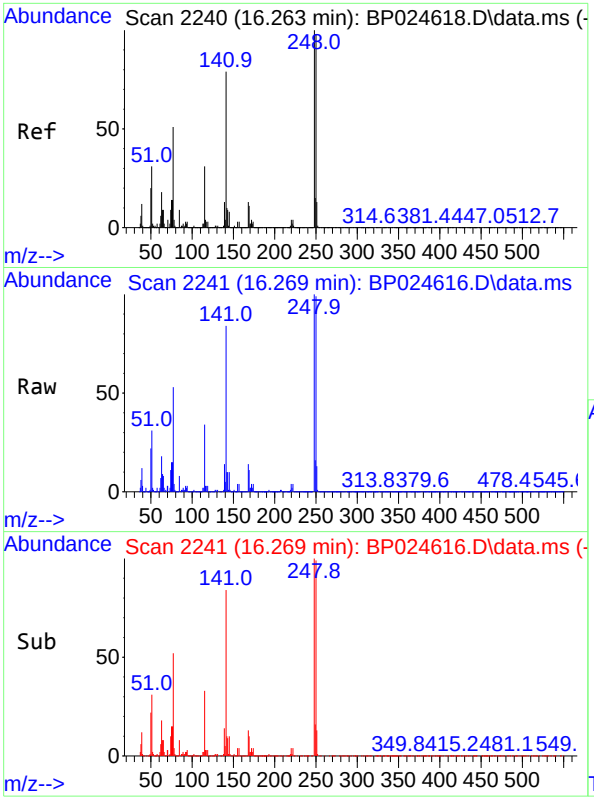


#66
n-Nitrosodiphenylamine
Concen: 9.59 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:169 Resp: 164008

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	37.2	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 9.45 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:248 Resp: 6201

Ion	Ratio	Lower	Upper
248	100		
250	98.7	78.2	117.4
141	84.3	63.0	94.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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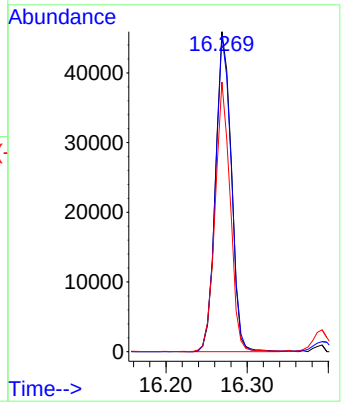
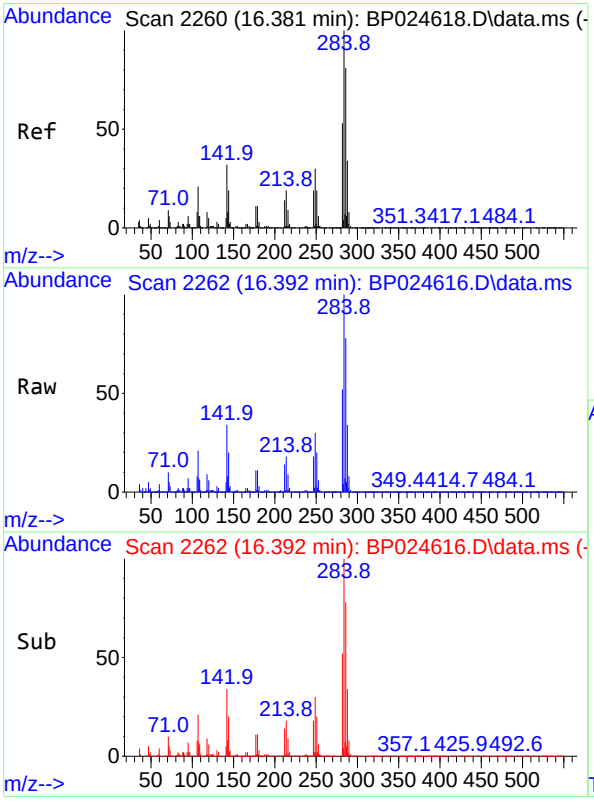
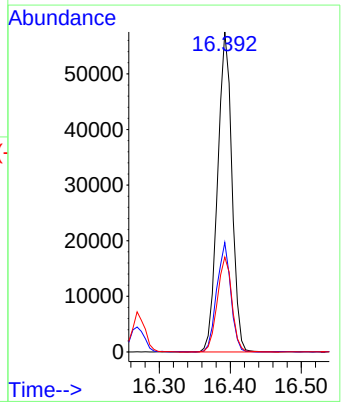


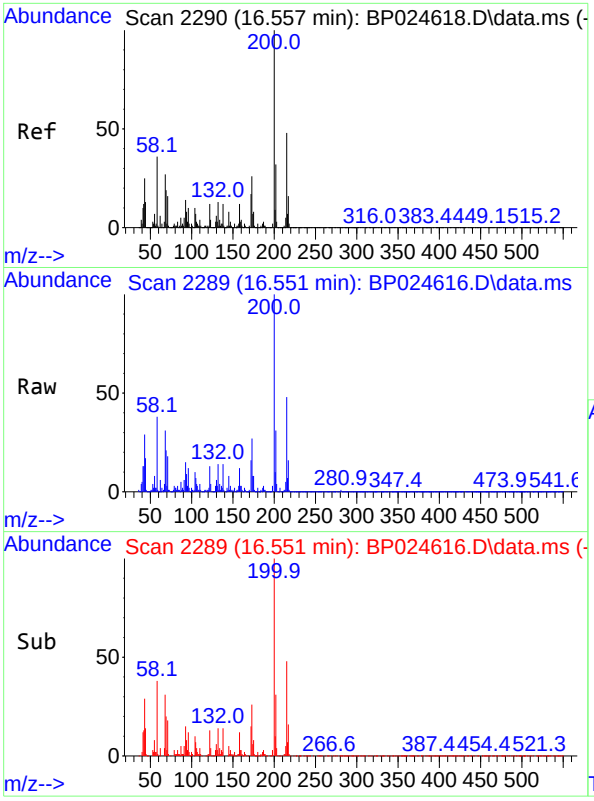


#68
Hexachlorobenzene
Concen: 9.61 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:284 Resp: 80088

Ion	Ratio	Lower	Upper
284	100		
142	34.2	25.9	38.9
249	29.6	24.1	36.1

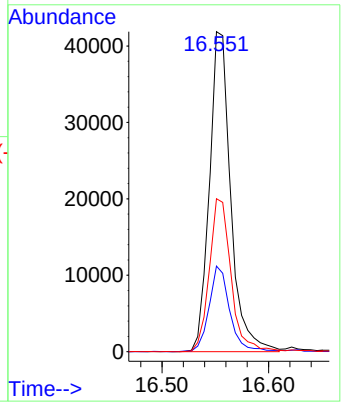




#69
Atrazine
Concen: 9.30 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:200 Resp: 5824

Ion	Ratio	Lower	Upper
200	100		
173	26.8	5.9	45.9
215	47.8	28.3	68.3



Instrument :
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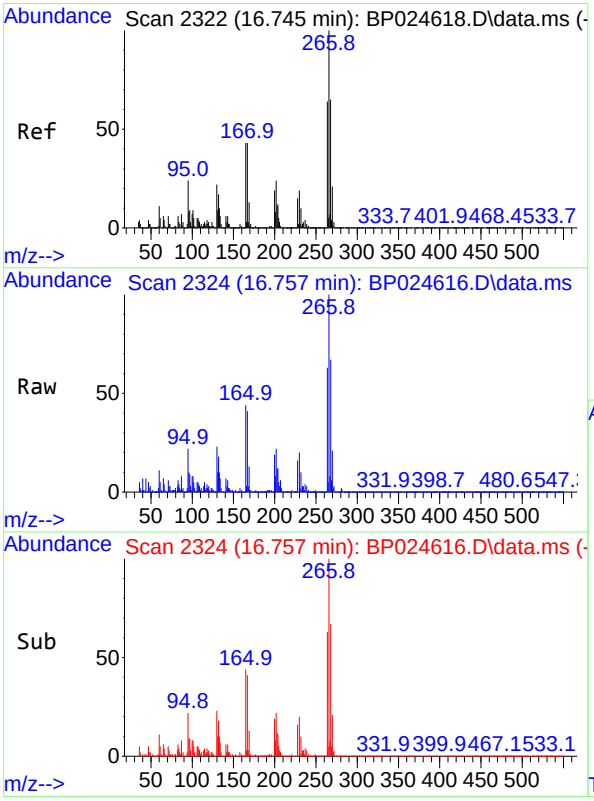
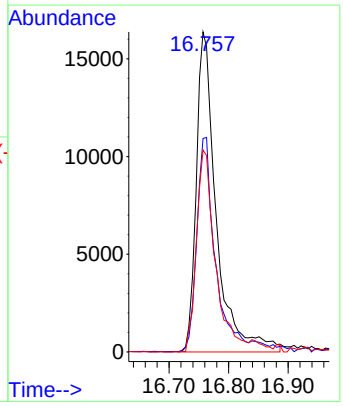
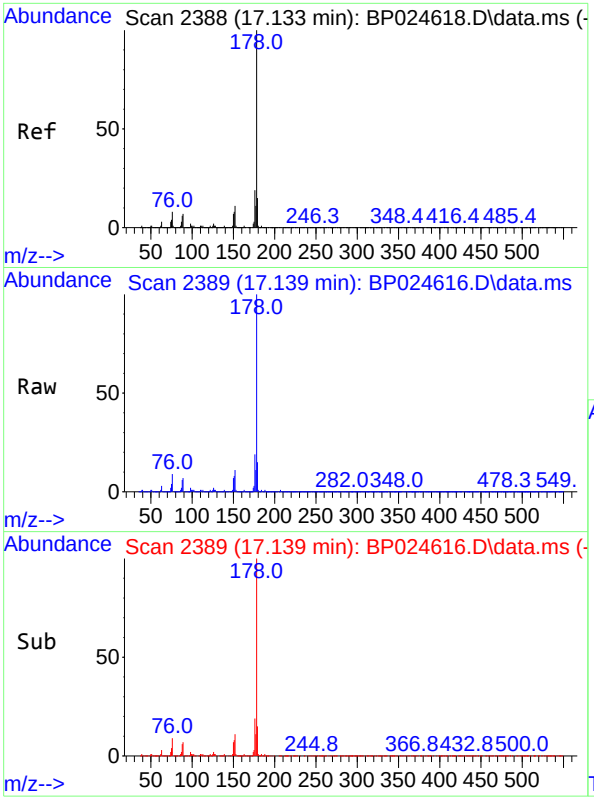


#70
Pentachlorophenol
Concen: 8.14 ng m
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:266 Resp: 38095

Ion	Ratio	Lower	Upper
266	100		
268	66.7	52.2	78.4
264	63.1	51.1	76.7

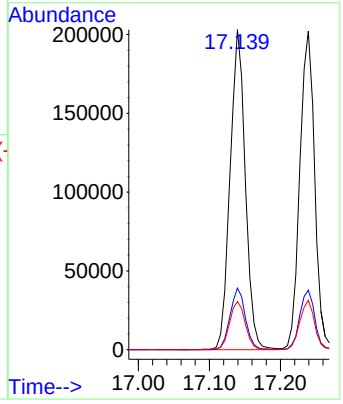




#71
Phenanthrene
Concen: 9.75 ng
RT: 17.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 30186

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.2	18.4



Instrument :
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ClientSampleId :
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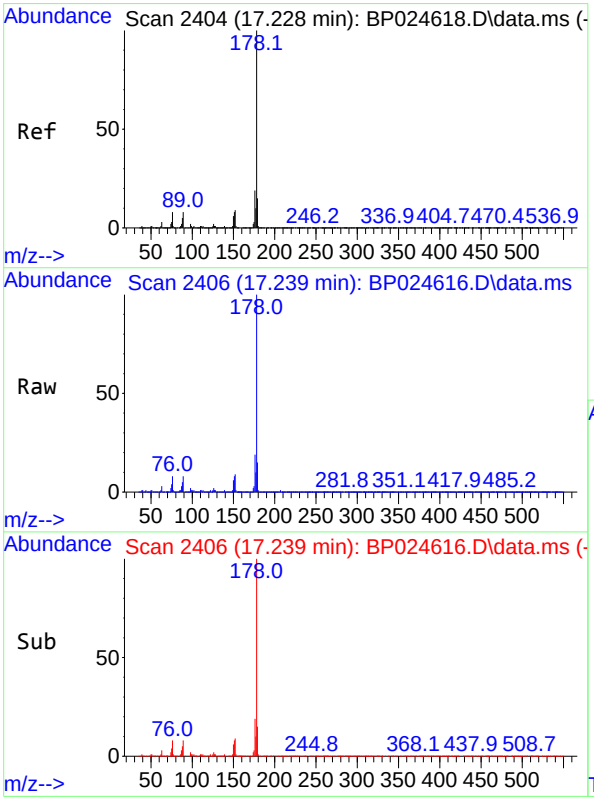
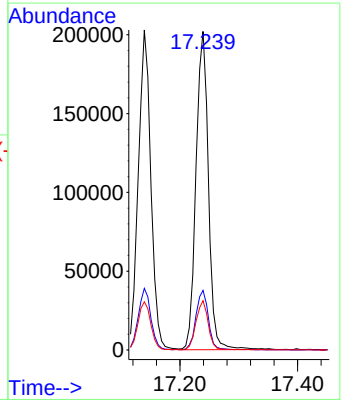
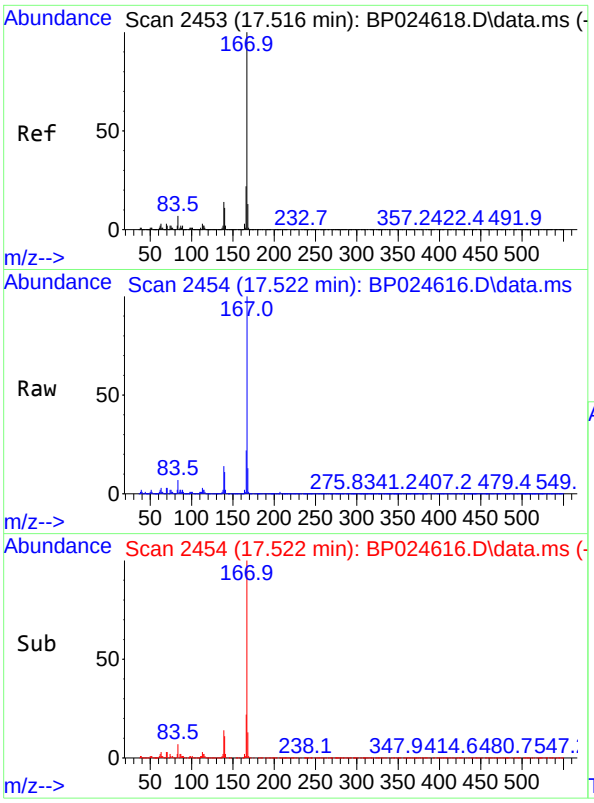


#72
Anthracene
Concen: 9.51 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 296146

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.2	18.2

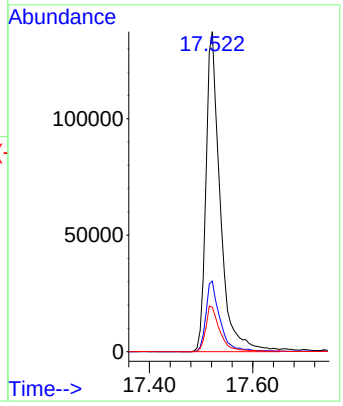




#73
Carbazole
Concen: 9.32 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:167 Resp: 26268

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.9	11.3	16.9



Instrument :
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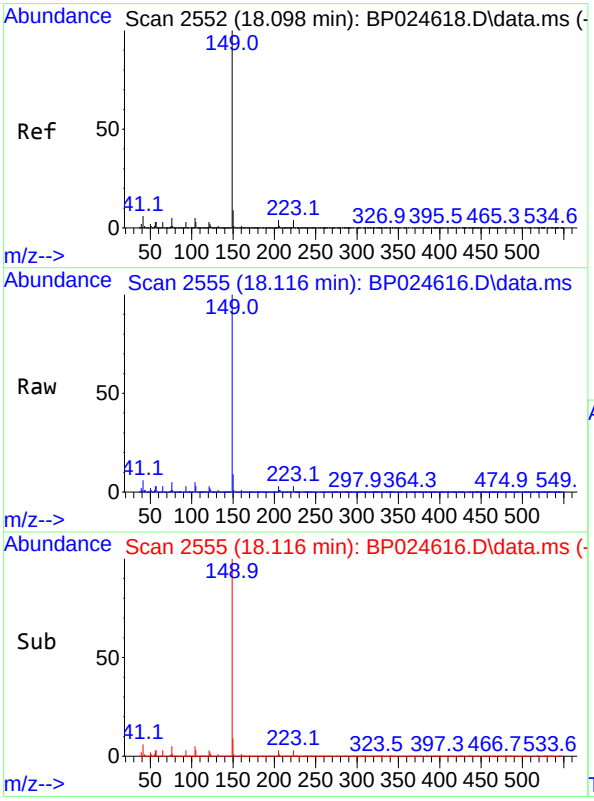
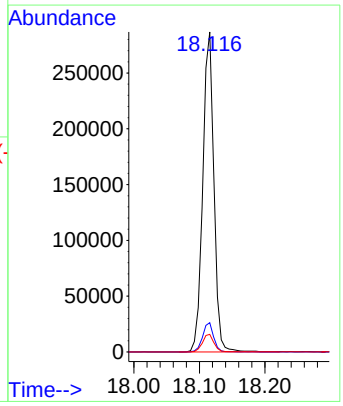
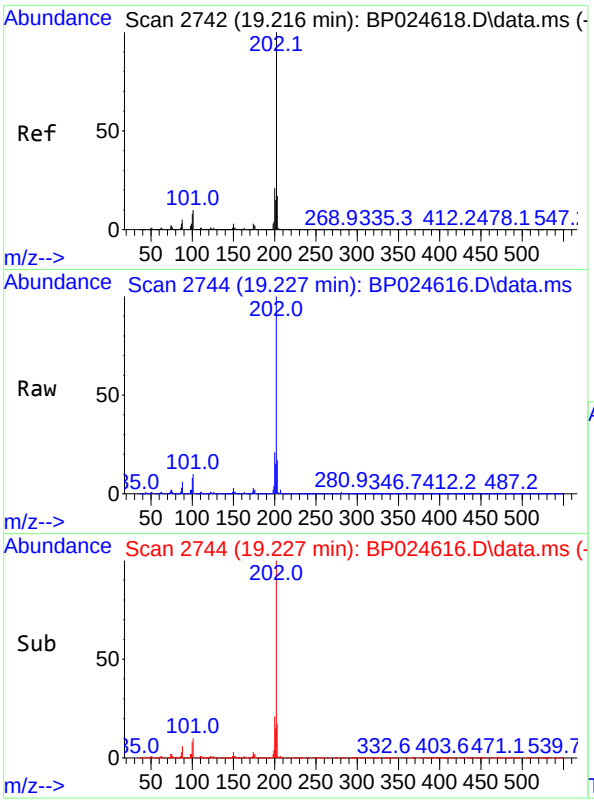


#74
Di-n-butylphthalate
Concen: 9.35 ng
RT: 18.116 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 338893

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.5	4.3	6.5

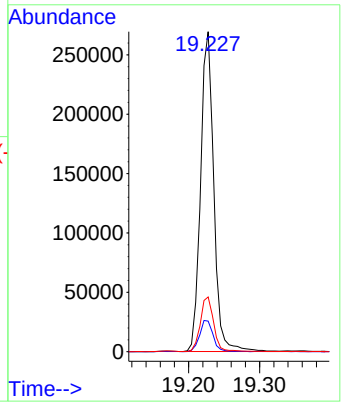




#75
Fluoranthene
Concen: 9.65 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 34908

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.3
203	17.1	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
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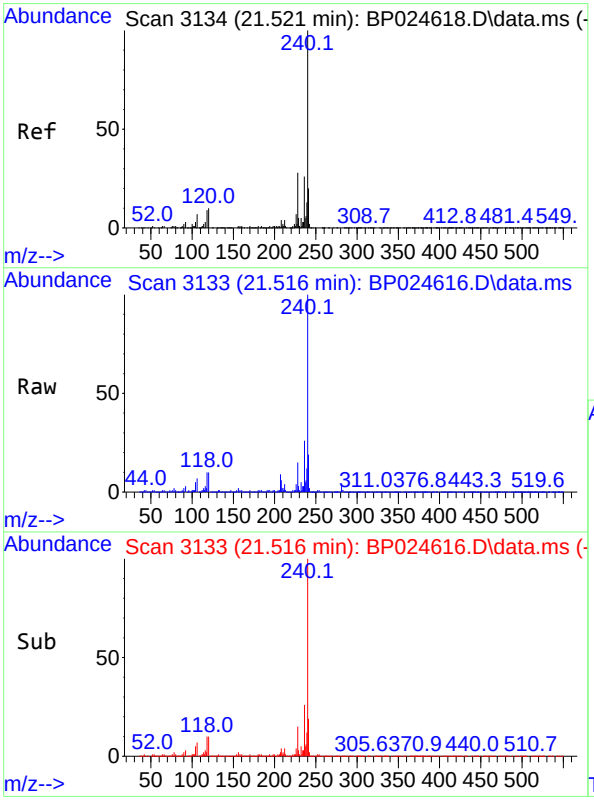
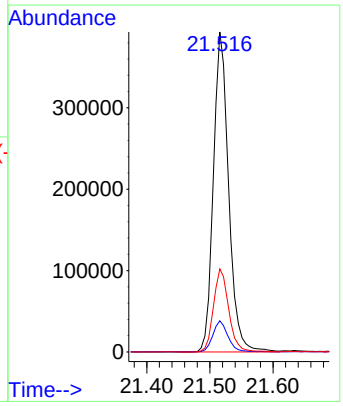
Supervised By :Jagrut Upadhyay 05/14/2025

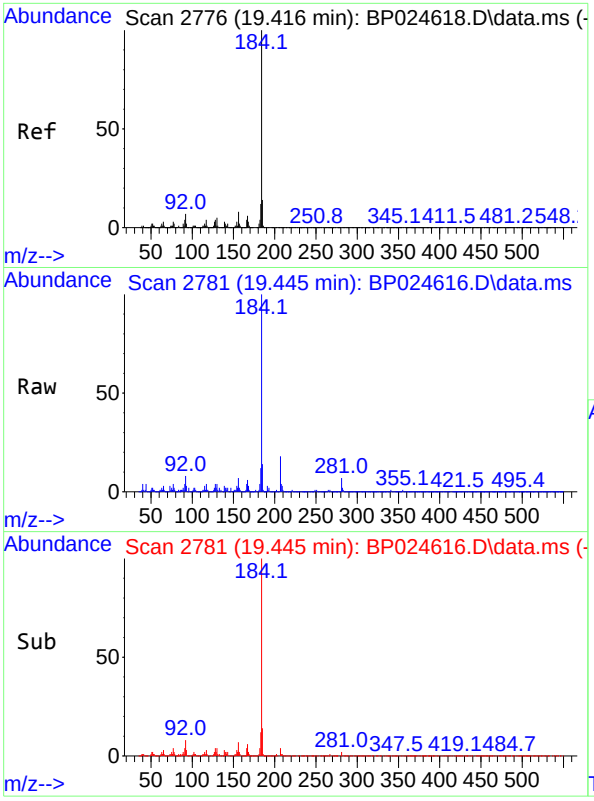


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:240 Resp: 659092

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	25.9	20.6	31.0

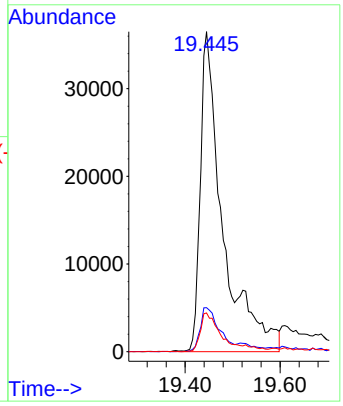




#77
Benzidine
Concen: 6.59 ng m
RT: 19.445 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 11922

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.2	16.8
183	12.1	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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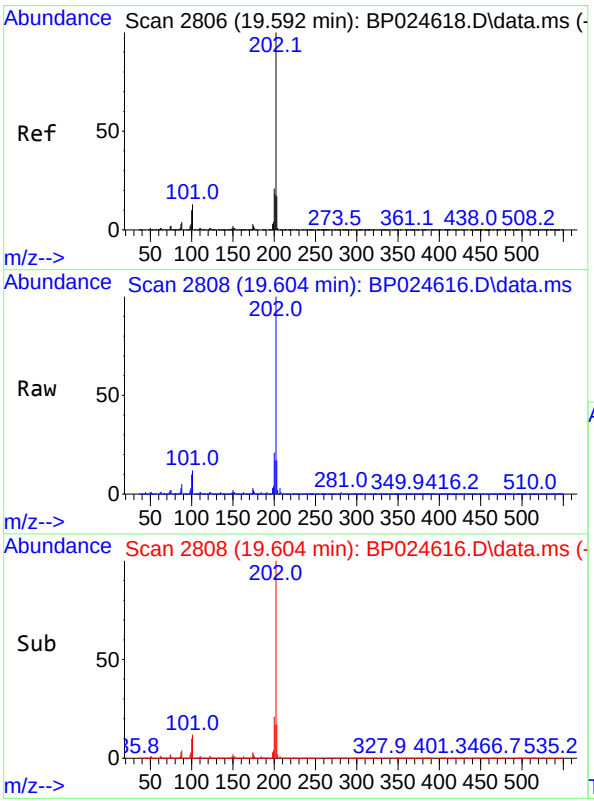
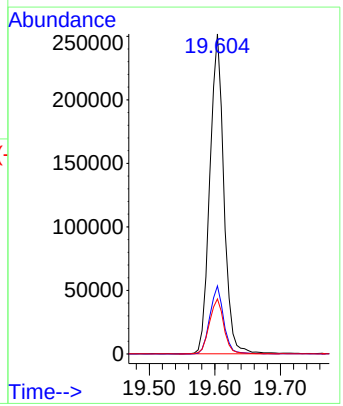
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

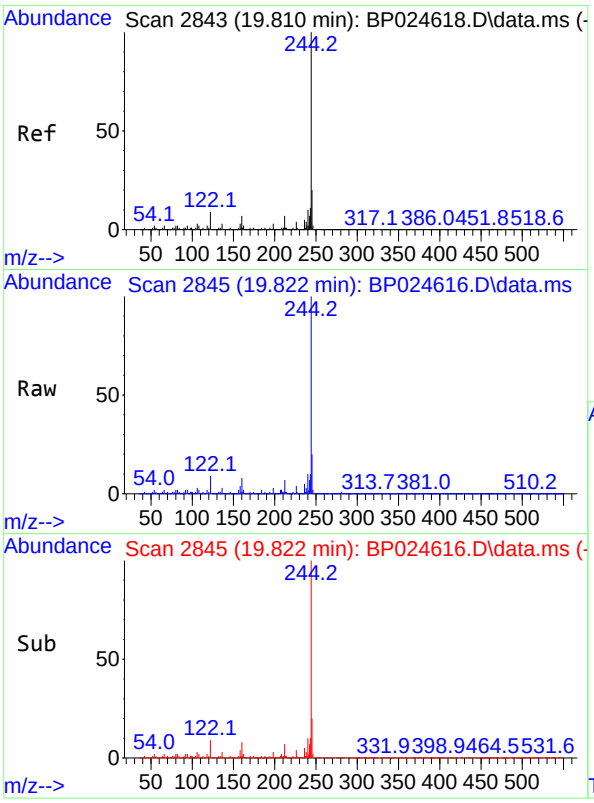


#78
Pyrene
Concen: 9.48 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 374573

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.2	13.9	20.9

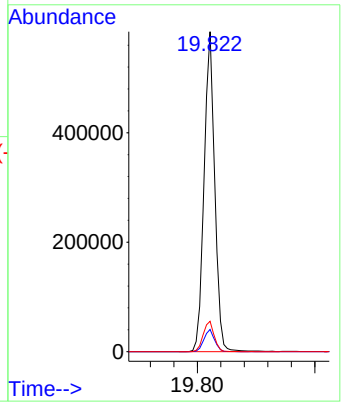




#79
Terphenyl-d14
Concen: 19.09 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:244 Resp: 73368

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.5	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Rahul Chavli 05/14/2025
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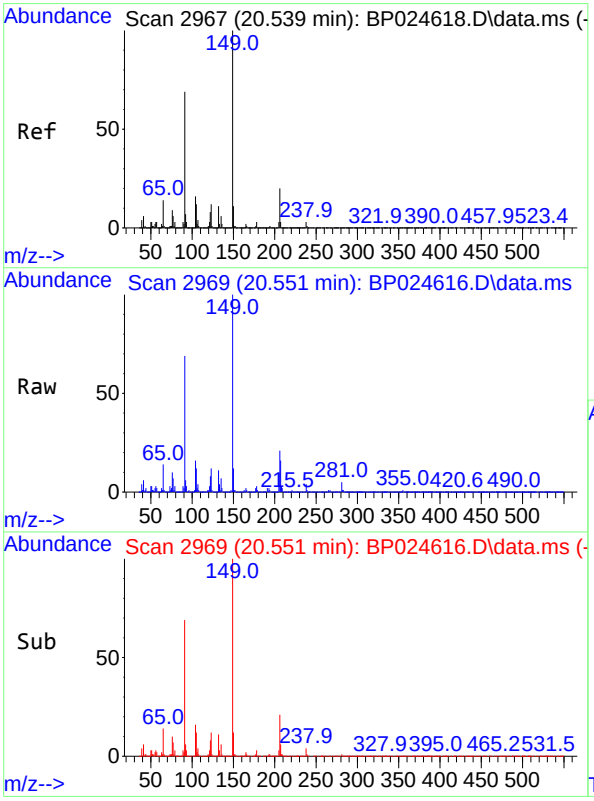
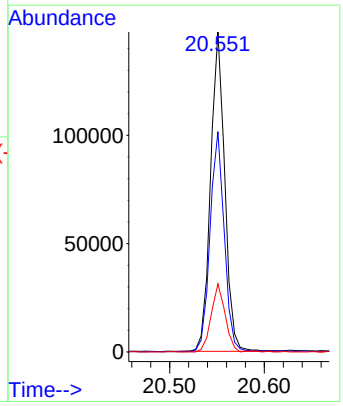
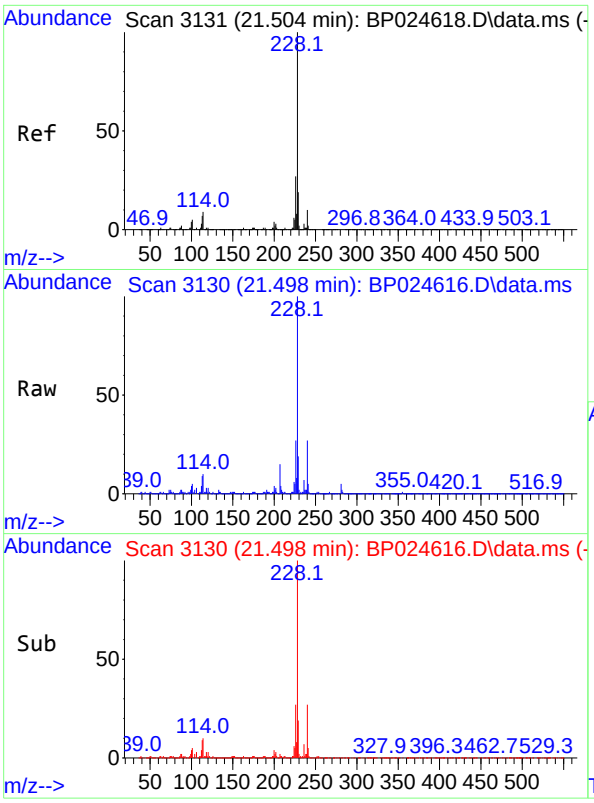


#80
Butylbenzylphthalate
Concen: 8.73 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 153275

Ion	Ratio	Lower	Upper
149	100		
91	68.8	55.4	83.0
206	21.3	16.2	24.2

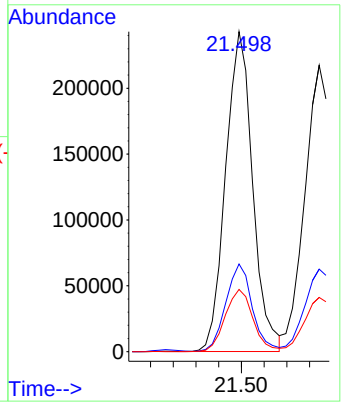




#81
Benzo(a)anthracene
Concen: 9.70 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 40132

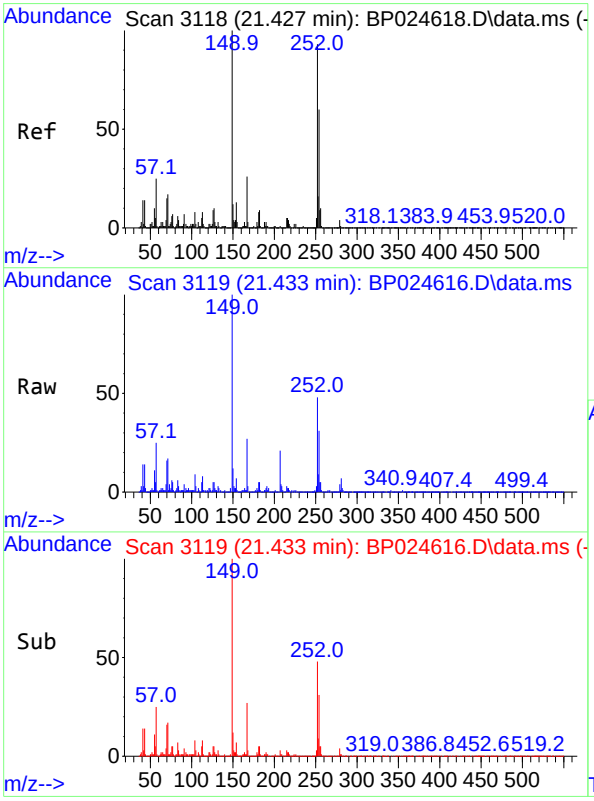
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.0
229	19.5	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

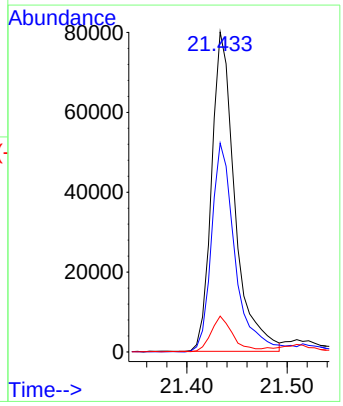
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

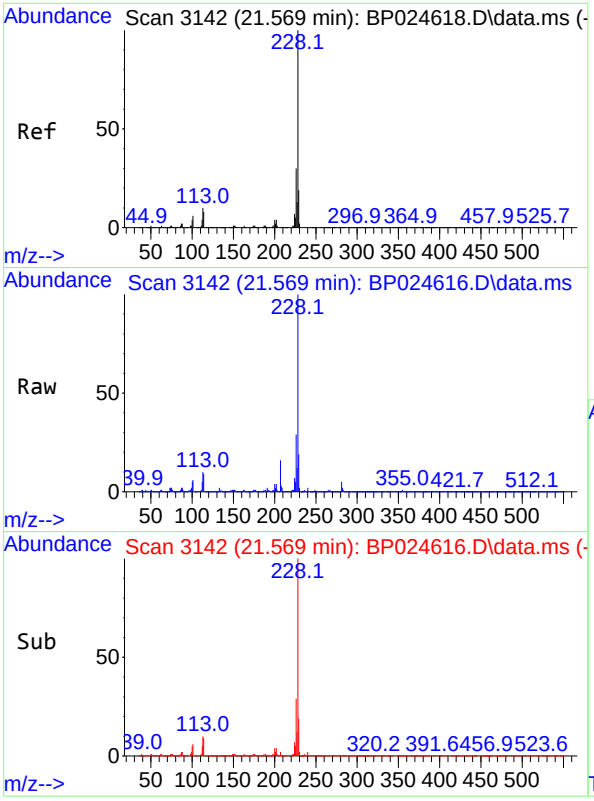


#82
3,3'-Dichlorobenzidine
Concen: 8.41 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 129324

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.6
126	11.2	7.7	11.5

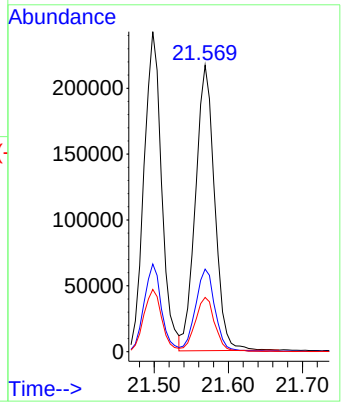




#83
Chrysene
Concen: 9.91 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 38884

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.9	35.9
229	19.0	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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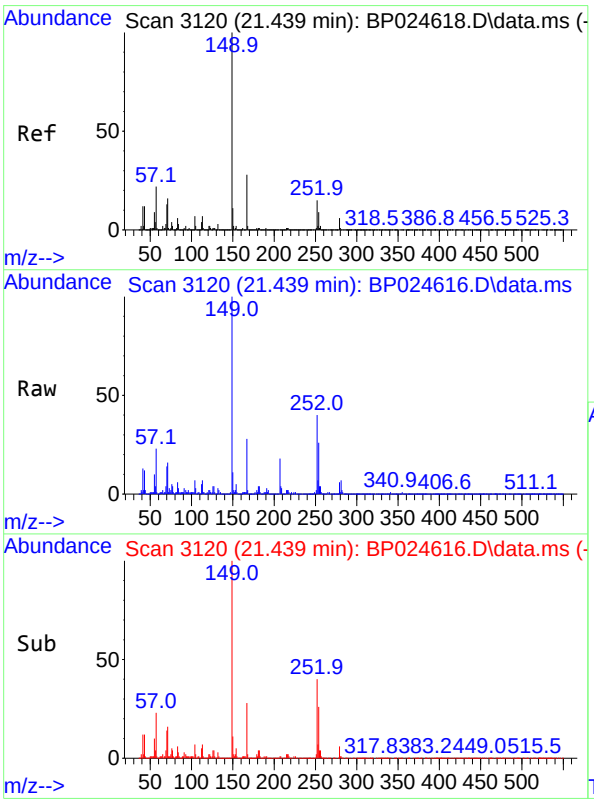
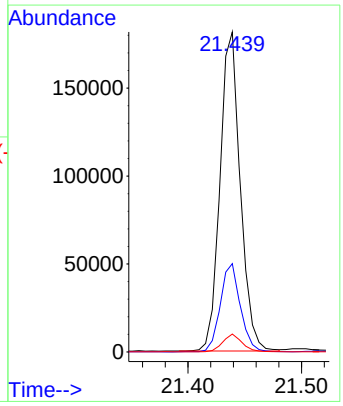
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

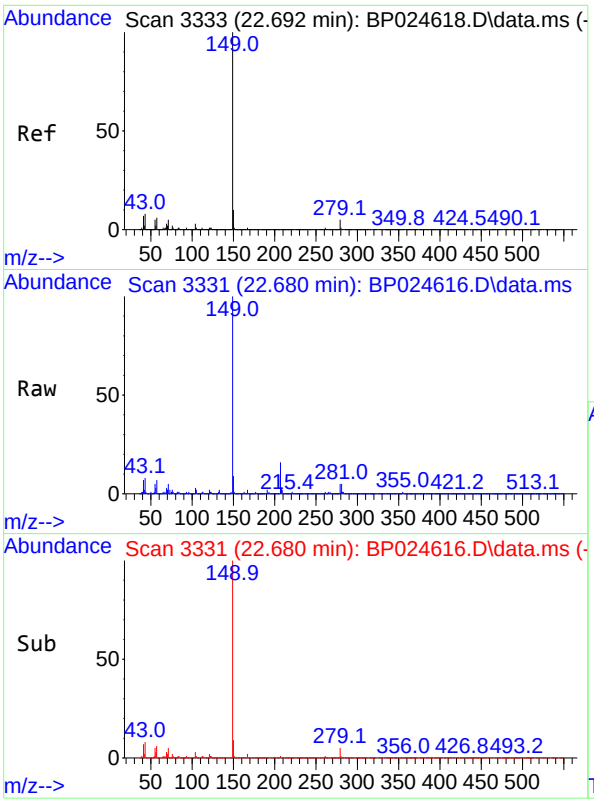


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.72 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 225047

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.6	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 8.72 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 36793

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.0	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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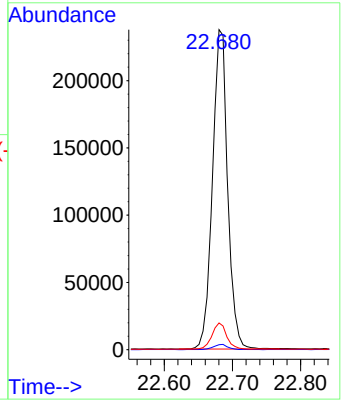
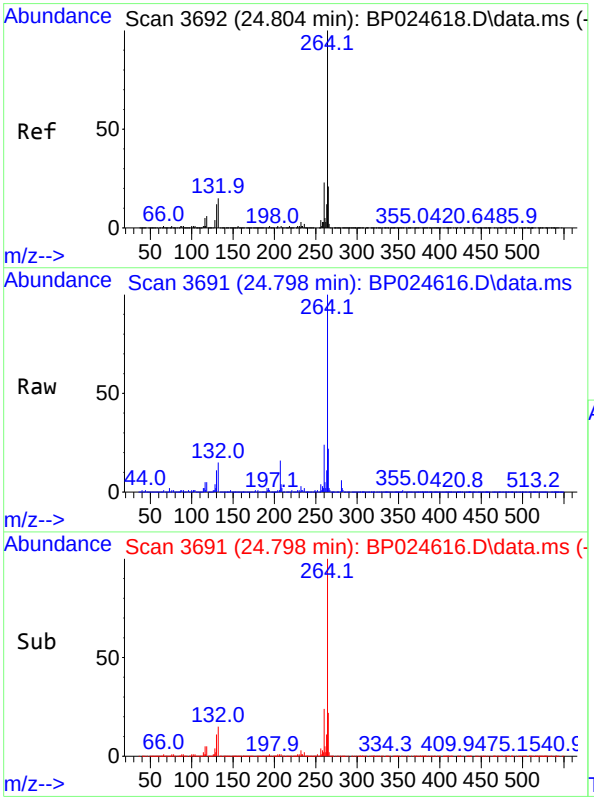
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

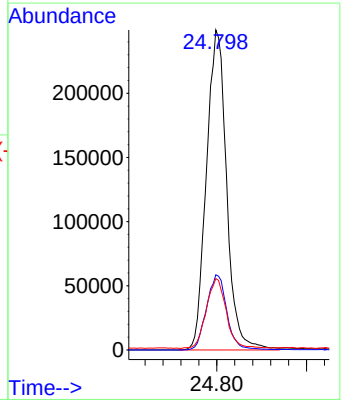


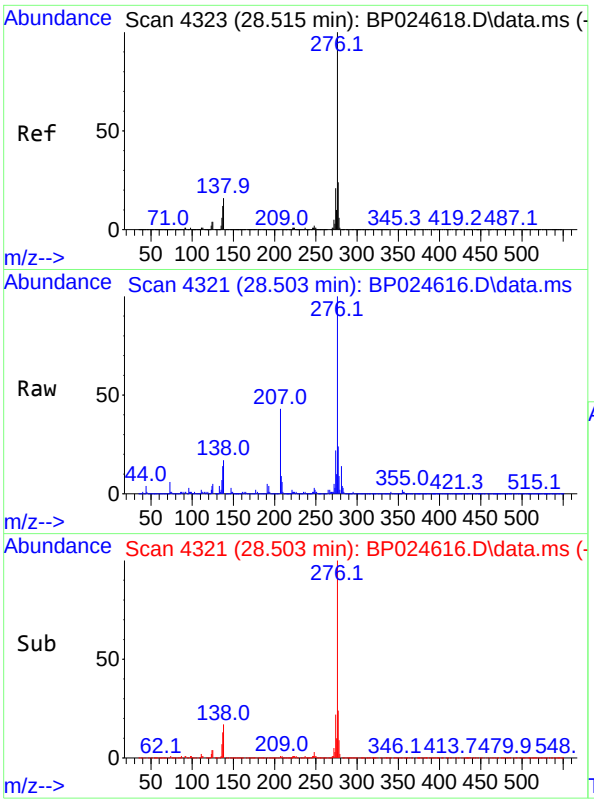


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:264 Resp: 780142

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.3	17.0	25.6

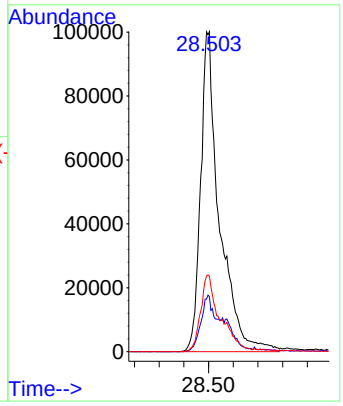




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.29 ng
RT: 28.503 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 52926

Ion	Ratio	Lower	Upper
276	100		
138	15.5	11.2	16.8
277	24.8	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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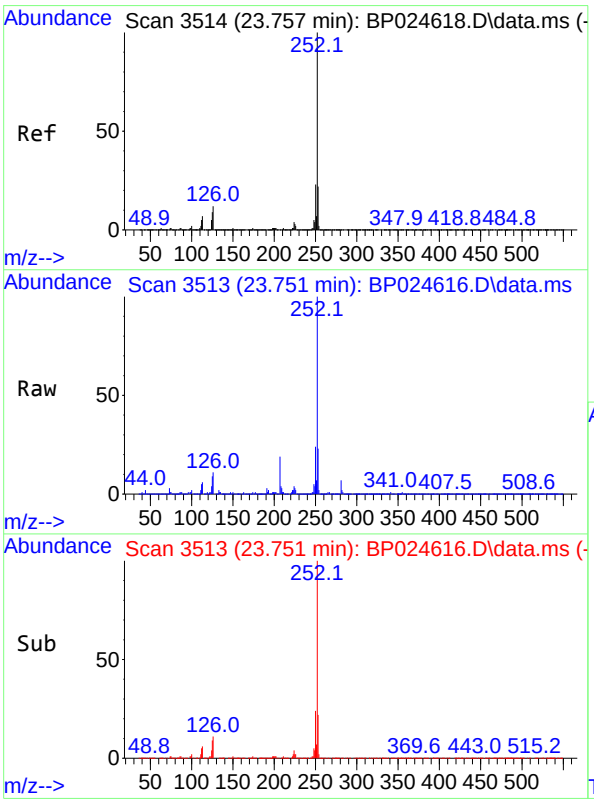
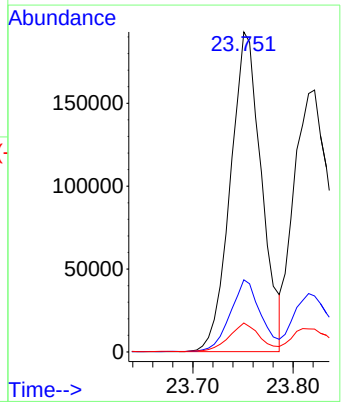
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

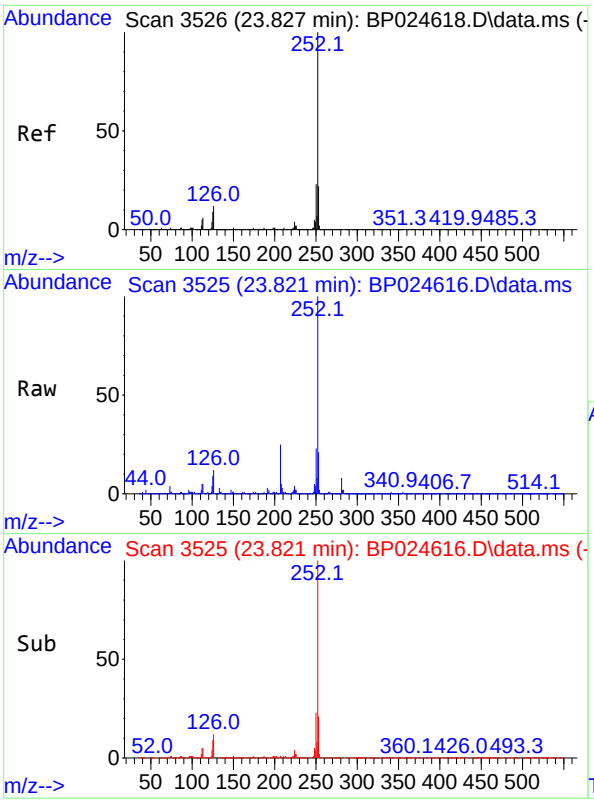


#88
Benzo(b)fluoranthene
Concen: 9.35 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 417343

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.1	7.5	11.3

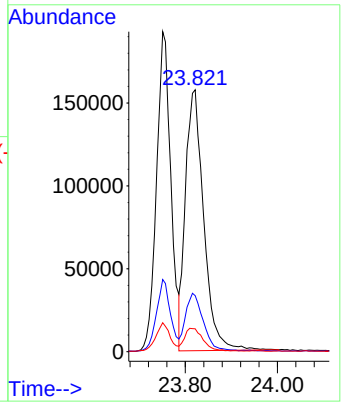




#89
Benzo(k)fluoranthene
Concen: 9.38 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 43157

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	8.7	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Rahul Chavli 05/14/2025
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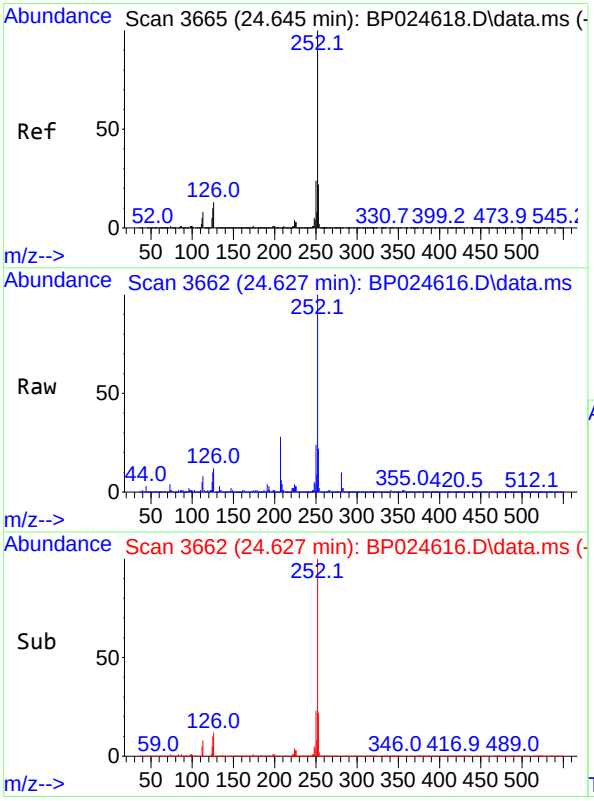
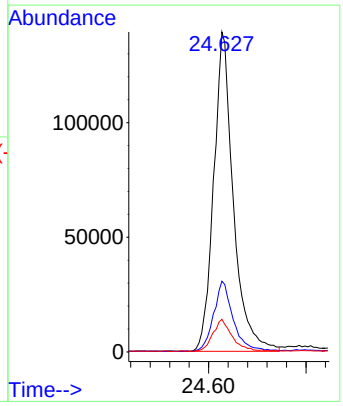
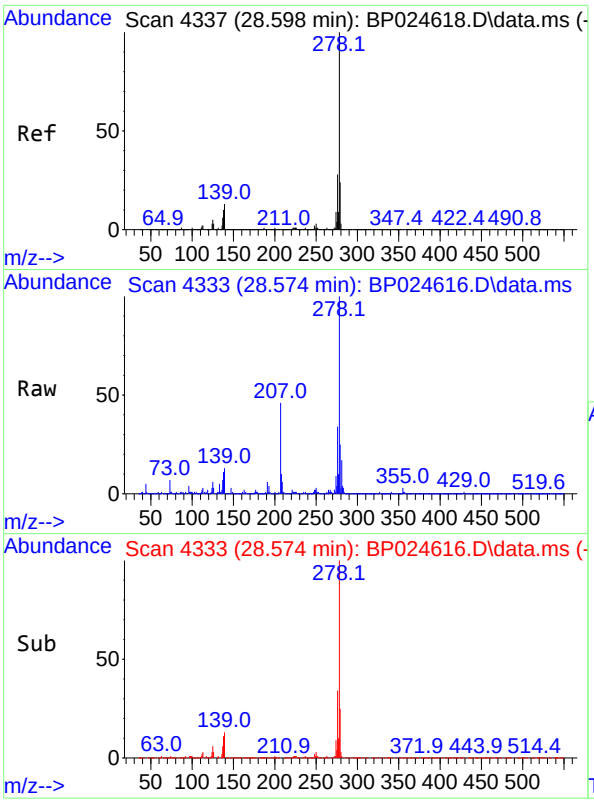


#90
Benzo(a)pyrene
Concen: 9.10 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 390288

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.1	12.1

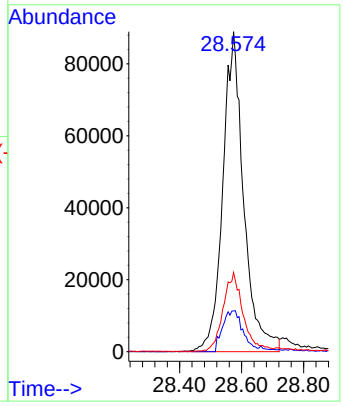




#91
Dibenzo(a,h)anthracene
Concen: 8.97 ng
RT: 28.574 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:278 Resp: 41576

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.4
279	24.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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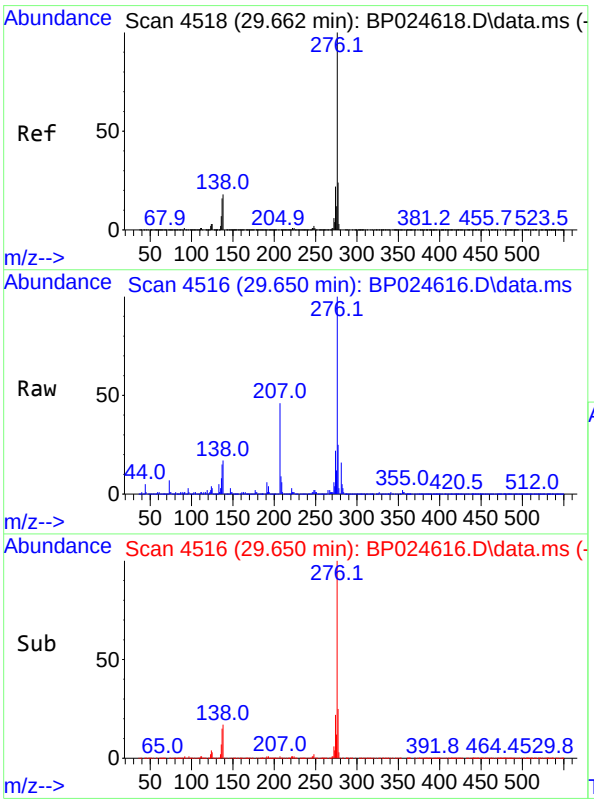
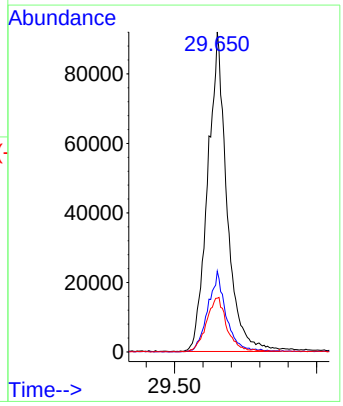


#92
Benzo(g,h,i)perylene
Concen: 9.37 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 431559

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	16.8	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	112650	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	488721	20.00	ng		0.00
39) Acenaphthene-d10	14.299	164	323928	20.00	ng		0.00
64) Phenanthrene-d10	17.087	188	644367	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	745224	20.00	ng		0.00
86) Perylene-d12	24.792	264	850264	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	261821	39.75	ng		0.00
7) Phenol-d6	6.858	99	334811	39.83	ng		0.00
23) Nitrobenzene-d5	8.811	82	391739	40.50	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	217092	39.53	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	1006150	40.69	ng		0.00
79) Terphenyl-d14	19.810	244	1736879	39.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.229	88	60251	19.48	ng		98
3) Pyridine	3.628	79	135451	19.75	ng		99
4) n-Nitrosodimethylamine	3.540	42	59324	19.59	ng		99
6) Aniline	7.005	93	217646	20.05	ng		100
8) 2-Chlorophenol	7.240	128	147726	19.76	ng		99
9) Benzaldehyde	6.822	77	117823m	21.69	ng		
10) Phenol	6.881	94	171949	19.82	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	141599	19.86	ng		99
12) 1,3-Dichlorobenzene	7.552	146	171270	19.91	ng		99
13) 1,4-Dichlorobenzene	7.699	146	171756	19.85	ng		98
14) 1,2-Dichlorobenzene	8.011	146	168795	20.02	ng		99
15) Benzyl Alcohol	7.911	79	127076	19.89	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	171274	20.06	ng		100
17) 2-Methylphenol	8.111	107	124506	20.01	ng		99
18) Hexachloroethane	8.728	117	65527	19.76	ng		97
19) n-Nitroso-di-n-propyla...	8.458	70	122386	21.05	ng		98
20) 3+4-Methylphenols	8.440	107	169264	20.00	ng		97
22) Acetophenone	8.481	105	249692	20.45	ng	#	100
24) Nitrobenzene	8.858	77	173686	20.40	ng		99
25) Isophorone	9.375	82	339697	20.25	ng		100
26) 2-Nitrophenol	9.563	139	82278	19.73	ng		98
27) 2,4-Dimethylphenol	9.622	122	146819	19.96	ng		97
28) bis(2-Chloroethoxy)met...	9.852	93	200872	20.04	ng		99
29) 2,4-Dichlorophenol	10.099	162	141785	19.90	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	159998	19.92	ng		95
31) Naphthalene	10.481	128	512888	20.25	ng		100
32) Benzoic acid	9.746	122	71538m	18.73	ng		
33) 4-Chloroaniline	10.605	127	205433	20.10	ng		99
34) Hexachlorobutadiene	10.763	225	103364	19.87	ng		99
35) Caprolactam	11.381	113	50721	19.68	ng		99
36) 4-Chloro-3-methylphenol	11.734	107	174840	20.12	ng		99
37) 2-Methylnaphthalene	12.093	142	327447	19.97	ng		99
38) 1-Methylnaphthalene	12.316	142	352091	20.07	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	185982	19.77	ng		99
41) Hexachlorocyclopentadiene	12.440	237	113499	19.90	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	121520	19.95	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.799	196	135306	19.95	ng	98
46) 1,1'-Biphenyl	13.116	154	483352	20.19	ng	100
47) 2-Chloronaphthalene	13.163	162	366247	20.06	ng	100
48) 2-Nitroaniline	13.375	65	107062	19.81	ng	98
49) Acenaphthylene	14.016	152	621997	20.36	ng	100
50) Dimethylphthalate	13.751	163	491623	19.91	ng	99
51) 2,6-Dinitrotoluene	13.869	165	105479	20.23	ng	97
52) Acenaphthene	14.357	154	354519	20.19	ng	99
53) 3-Nitroaniline	14.210	138	106527	20.01	ng	98
54) 2,4-Dinitrophenol	14.428	184	46351	19.37	ng	91
55) Dibenzofuran	14.698	168	563719	20.12	ng	99
56) 4-Nitrophenol	14.551	139	71975	19.02	ng	93
57) 2,4-Dinitrotoluene	14.675	165	147676	20.09	ng	99
58) Fluorene	15.357	166	456792	20.00	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	123265	19.59	ng	99
60) Diethylphthalate	15.128	149	497916	19.95	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	226790	19.91	ng	98
62) 4-Nitroaniline	15.393	138	105617	20.37	ng	99
63) Azobenzene	15.651	77	439183	20.57	ng	99
65) 4,6-Dinitro-2-methylph...	15.451	198	77131	18.53	ng	96
66) n-Nitrosodiphenylamine	15.575	169	404085	20.42	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	152393	20.07	ng	97
68) Hexachlorobenzene	16.381	284	192290	19.93	ng	99
69) Atrazine	16.545	200	146468	20.19	ng	99
70) Pentachlorophenol	16.740	266	104916	19.36	ng	98
71) Phenanthrene	17.128	178	724922	20.24	ng	100
72) Anthracene	17.222	178	735787	20.42	ng	100
73) Carbazole	17.510	167	669730	20.53	ng	99
74) Di-n-butylphthalate	18.092	149	858522	20.46	ng	100
75) Fluoranthene	19.210	202	846684	20.22	ng	100
77) Benzidine	19.422	184	404890	19.79	ng	99
78) Pyrene	19.592	202	892037	19.98	ng	99
80) Butylbenzylphthalate	20.539	149	400050	20.14	ng	97
81) Benzo(a)anthracene	21.498	228	933614	19.95	ng	99
82) 3,3'-Dichlorobenzidine	21.428	252	353000	20.31	ng	100
83) Chrysene	21.569	228	883001	19.91	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	597012	20.45	ng	98
85) Di-n-octyl phthalate	22.686	149	947571	19.85	ng	99
87) Indeno(1,2,3-cd)pyrene	28.486	276	1230125m	19.81	ng	
88) Benzo(b)fluoranthene	23.757	252	979873	20.13	ng	99
89) Benzo(k)fluoranthene	23.822	252	1005349	20.05	ng	100
90) Benzo(a)pyrene	24.627	252	945764	20.23	ng	100
91) Dibenzo(a,h)anthracene	28.568	278	1008288	19.97	ng	99
92) Benzo(g,h,i)perylene	29.627	276	991852	19.75	ng	99

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

ICAL Form

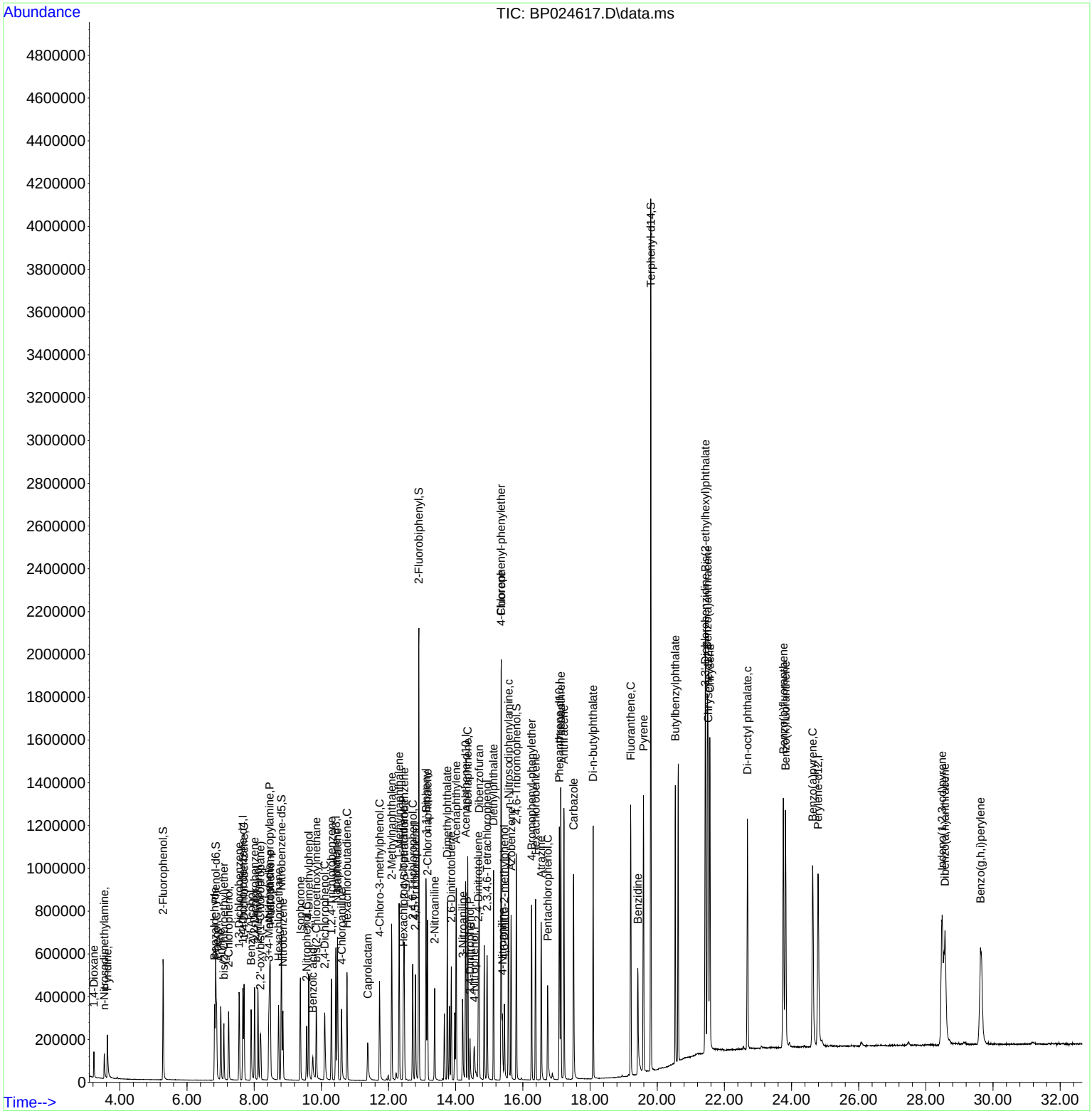
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

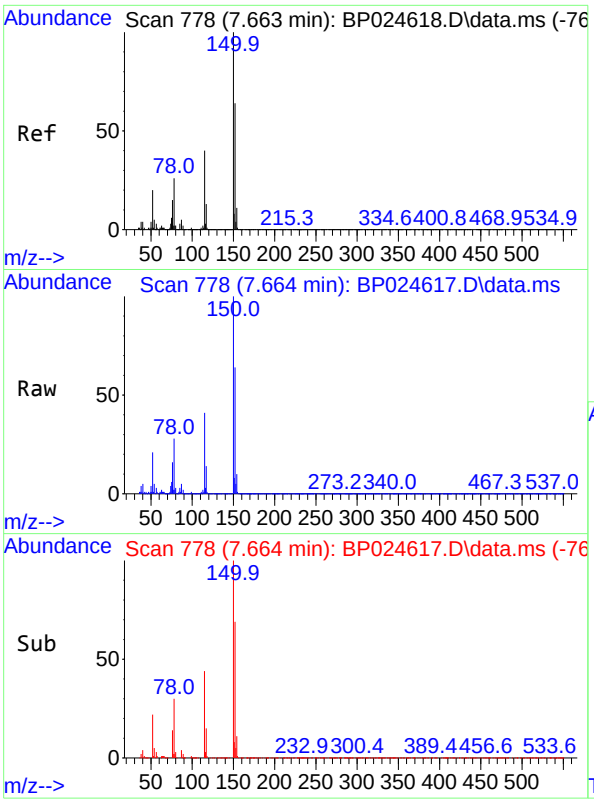
Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

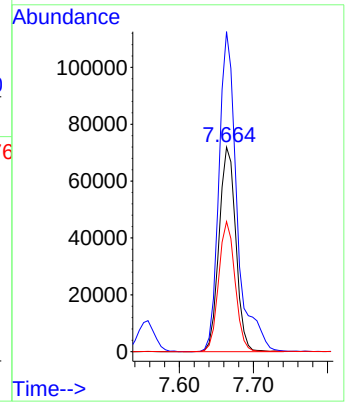




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 11265

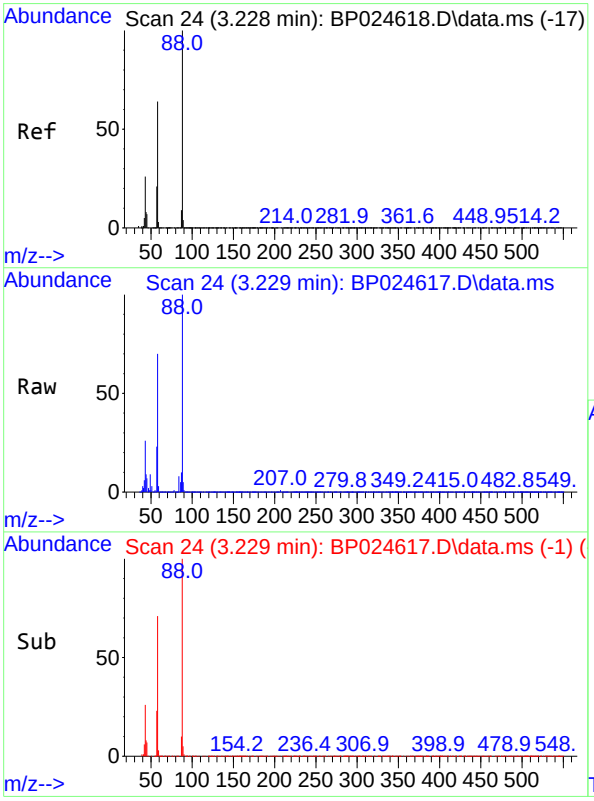
Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	63.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

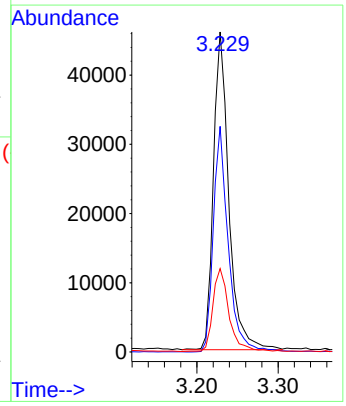
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

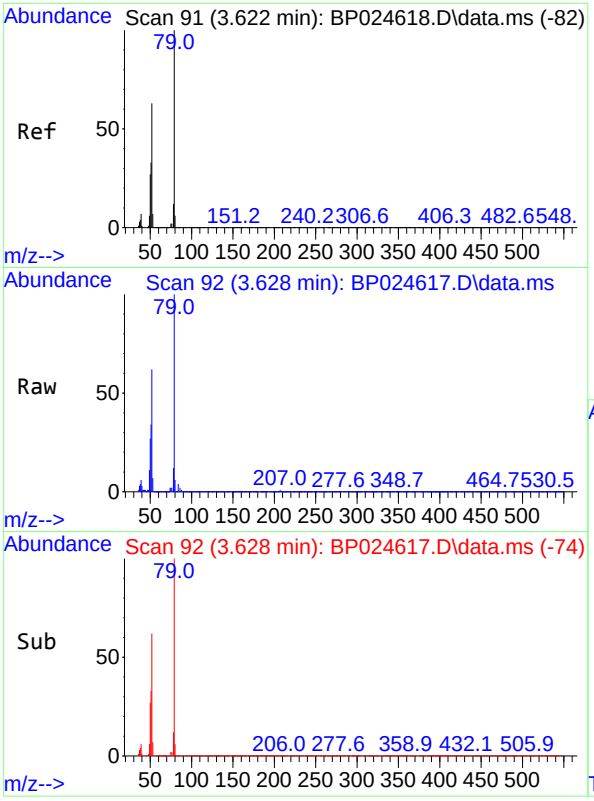


#2
1,4-Dioxane
Concen: 19.48 ng
RT: 3.229 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 88 Resp: 60251

Ion	Ratio	Lower	Upper
88	100		
58	69.2	54.0	81.0
43	27.3	21.4	32.0

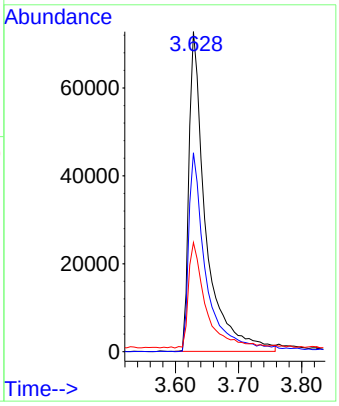




#3
Pyridine
Concen: 19.75 ng
RT: 3.628 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 13545

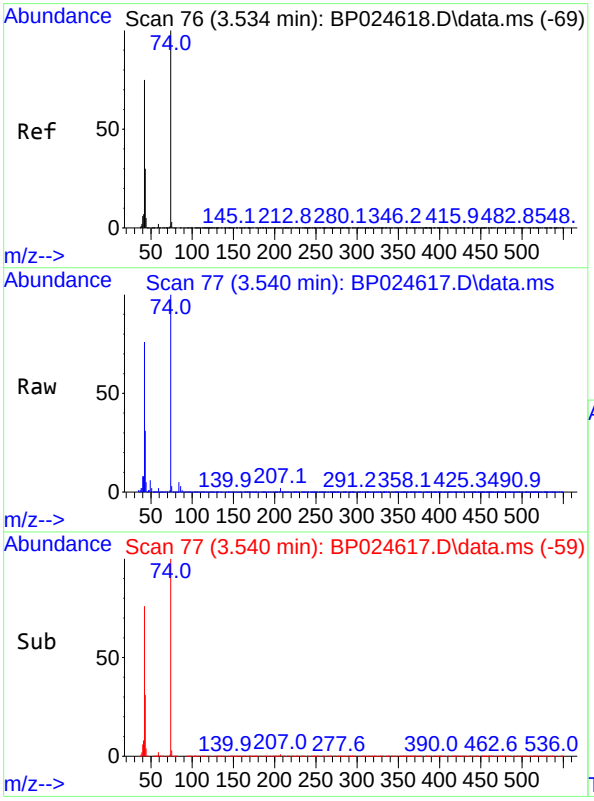
Ion	Ratio	Lower	Upper
79	100		
52	62.1	50.2	75.2
51	34.1	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

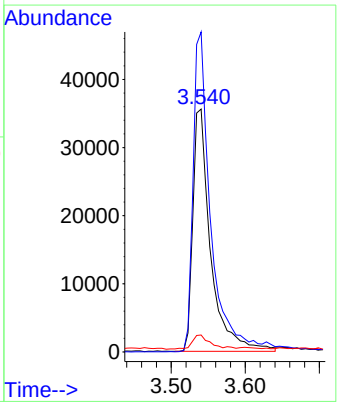
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

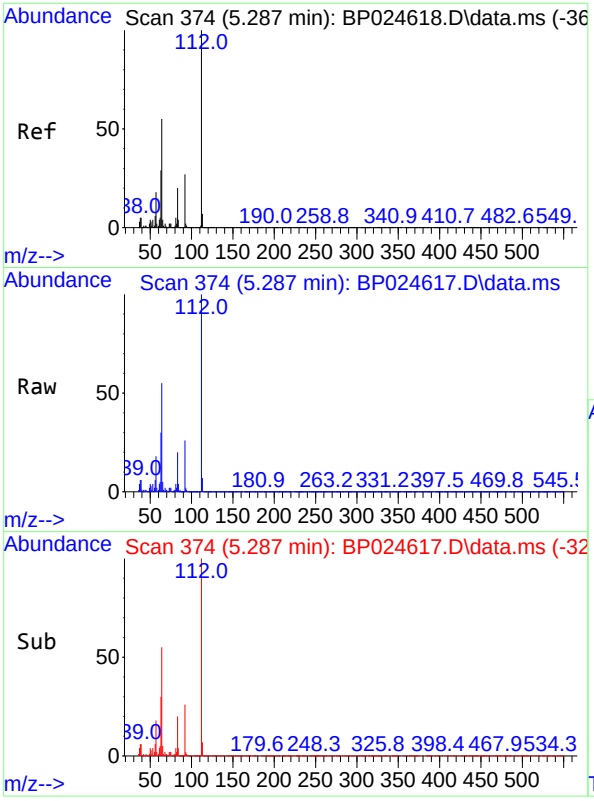


#4
n-Nitrosodimethylamine
Concen: 19.59 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 42 Resp: 59324

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.2	159.2
44	7.0	5.4	8.2

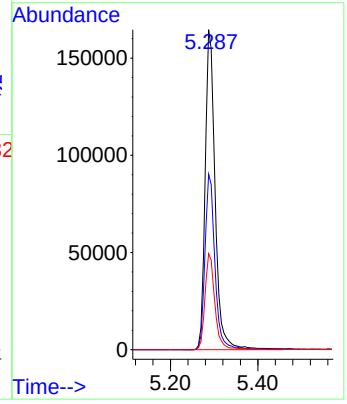




#5
2-Fluorophenol
Concen: 39.75 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:112 Resp: 26182

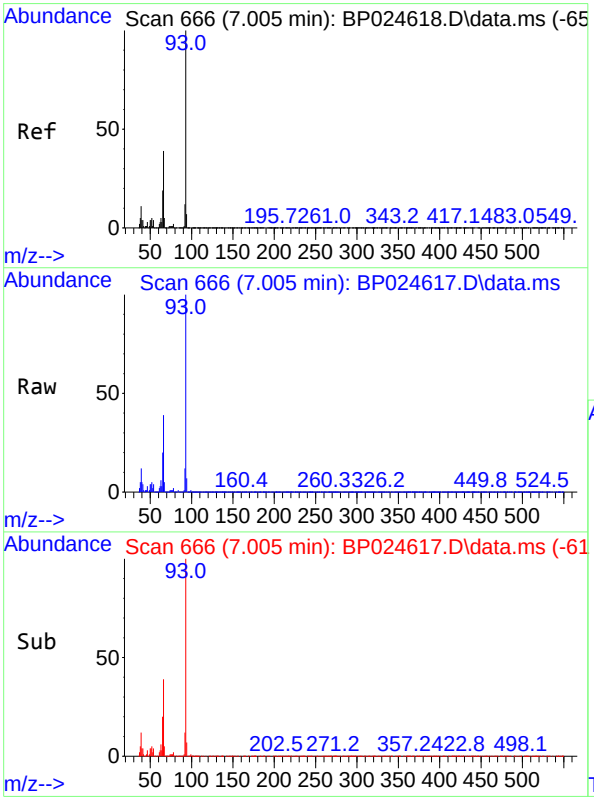
Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	30.0	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

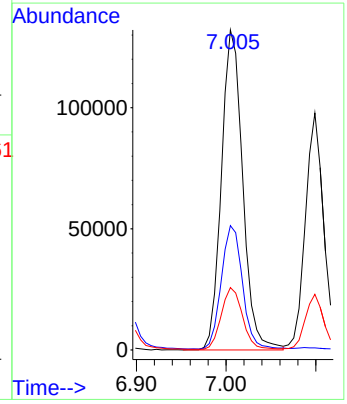
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

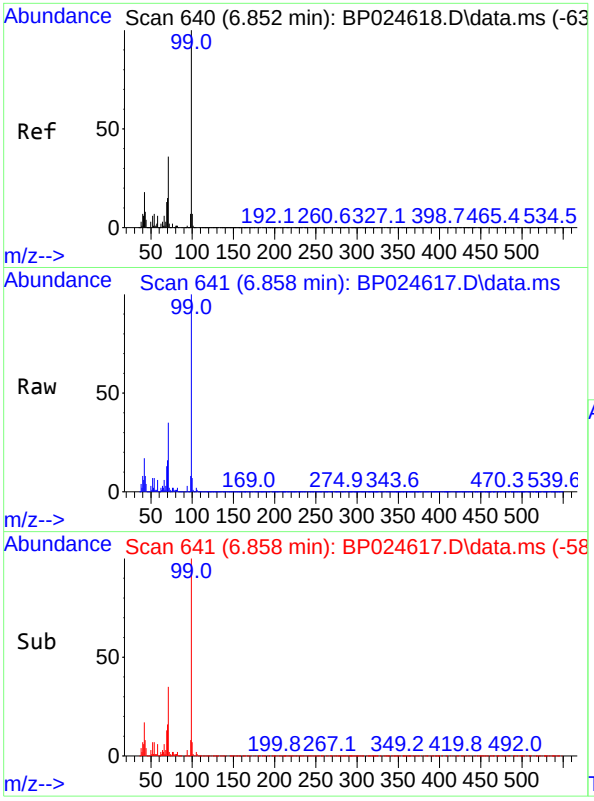


#6
Aniline
Concen: 20.05 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 217646

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3

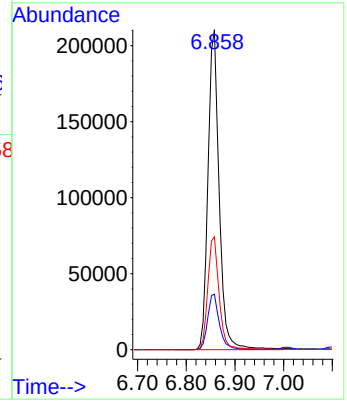




#7
Phenol-d6
Concen: 39.83 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 99 Resp: 33481

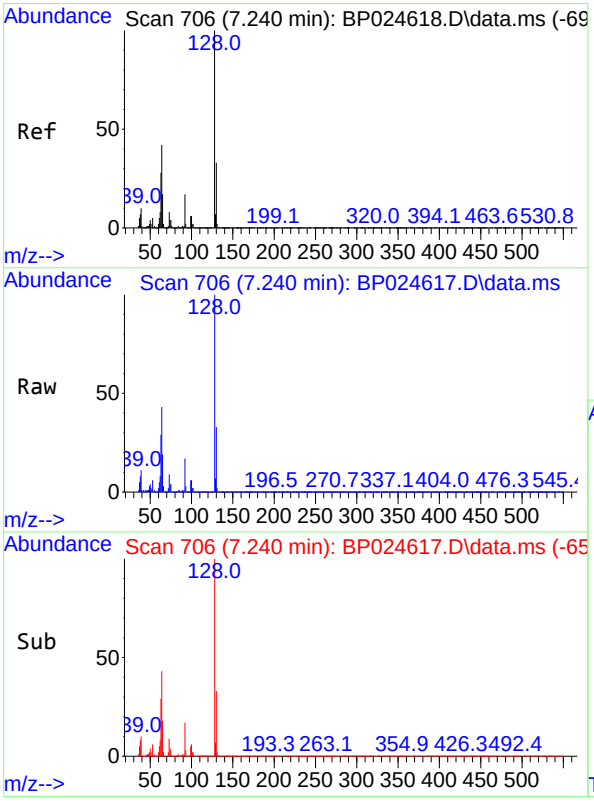
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	35.3	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

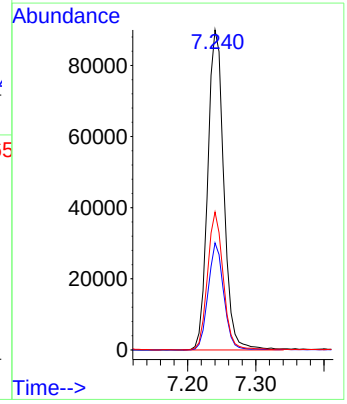
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

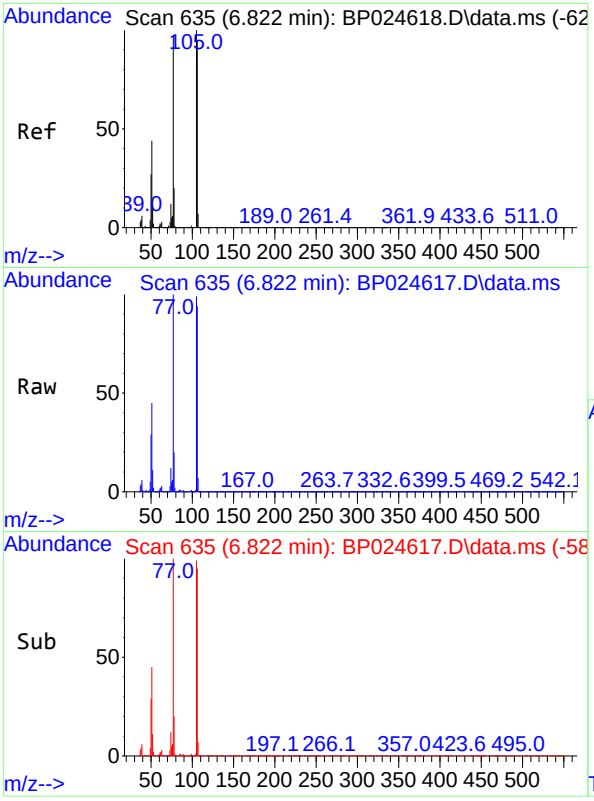


#8
2-Chlorophenol
Concen: 19.76 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 147726

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.0	53.0
64	43.1	22.3	62.3

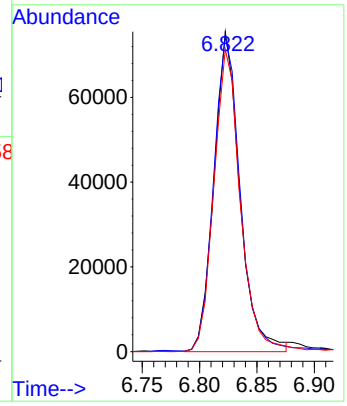




#9
Benzaldehyde
Concen: 21.69 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 11782

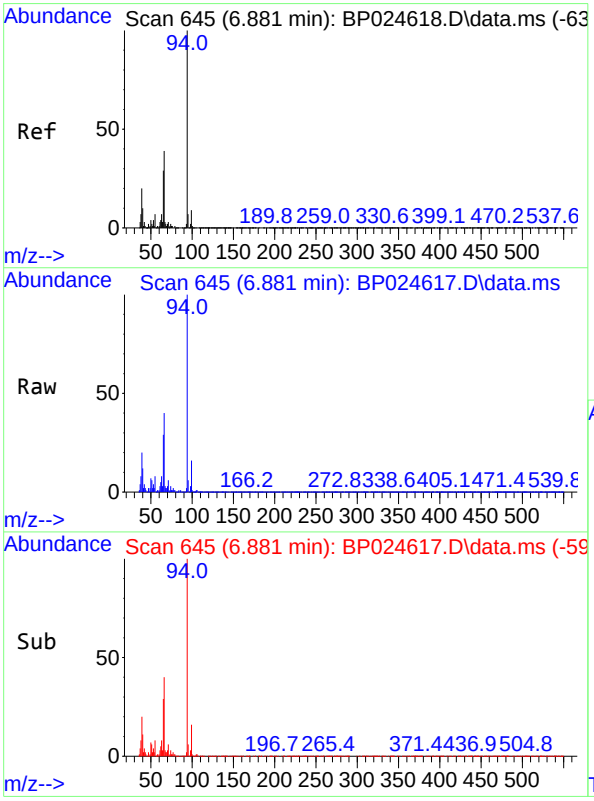
Ion	Ratio	Lower	Upper
77	100		
105	98.5	83.3	123.3
106	94.4	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

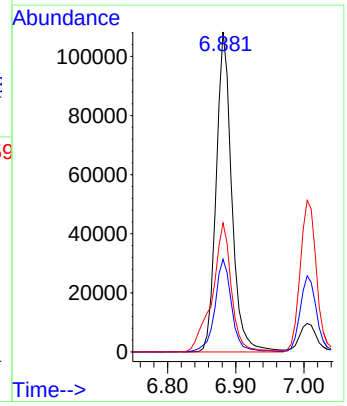
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

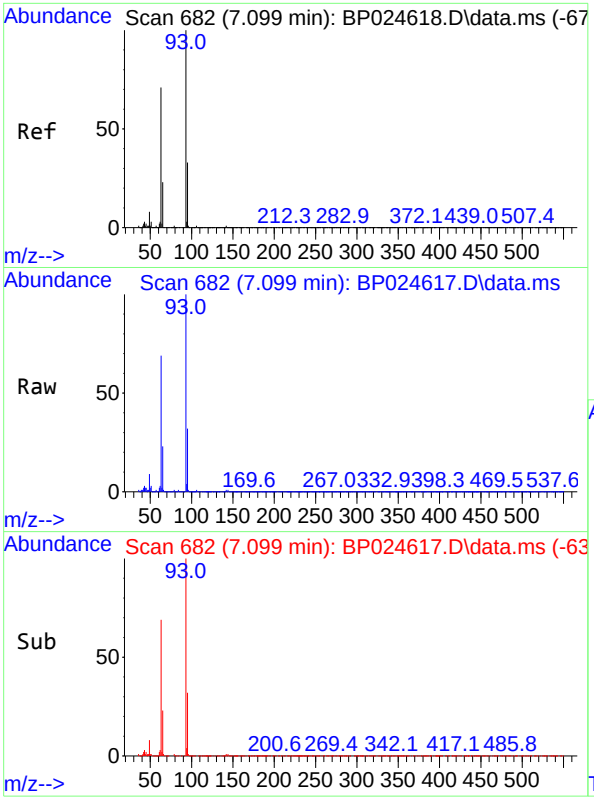


#10
Phenol
Concen: 19.82 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 94 Resp: 171949

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.7	48.7
66	40.3	19.4	59.4

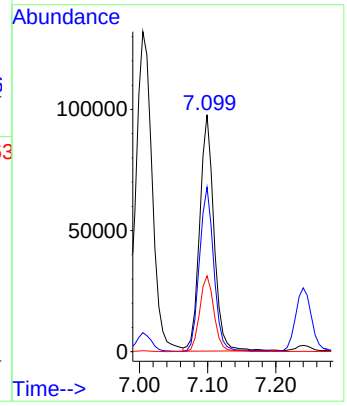




#11
bis(2-Chloroethyl)ether
Concen: 19.86 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 14159

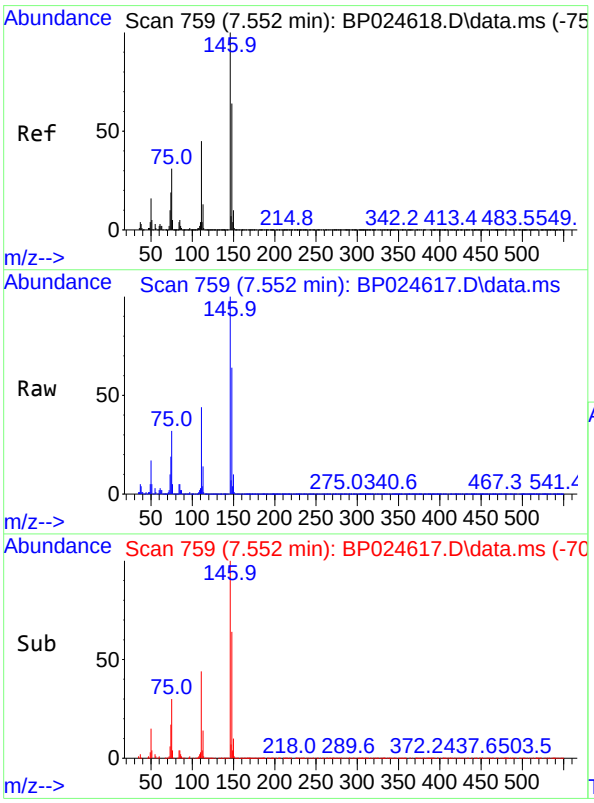
Ion	Ratio	Lower	Upper
93	100		
63	69.4	50.6	90.6
95	32.0	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

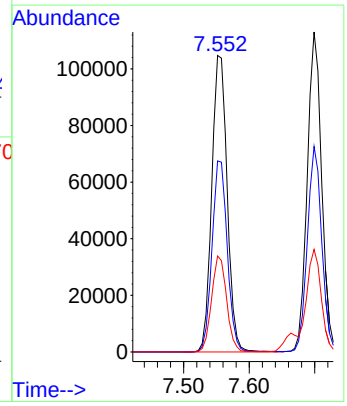
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

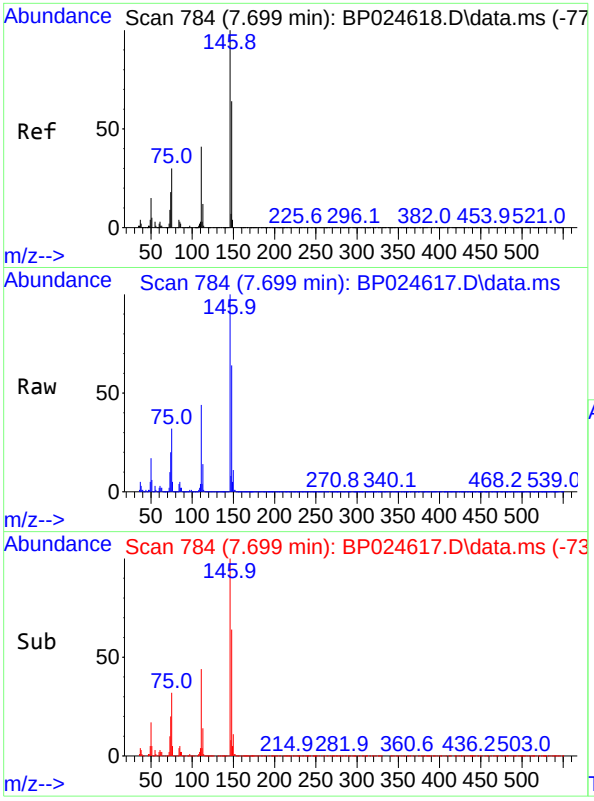


#12
1,3-Dichlorobenzene
Concen: 19.91 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 171270

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
75	32.4	25.2	37.8

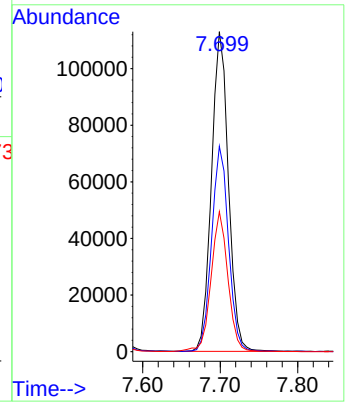




#13
1,4-Dichlorobenzene
Concen: 19.85 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 17175

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	43.7	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
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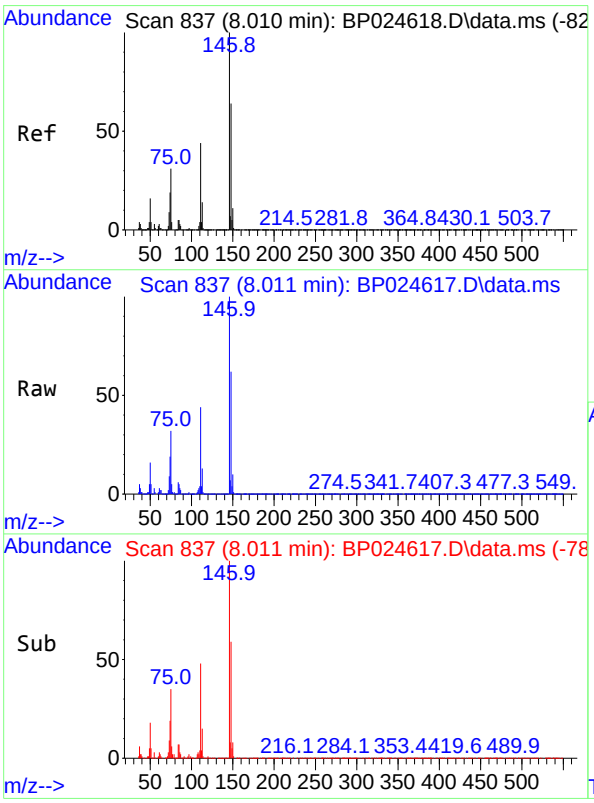
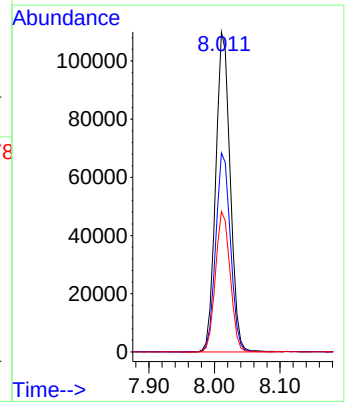
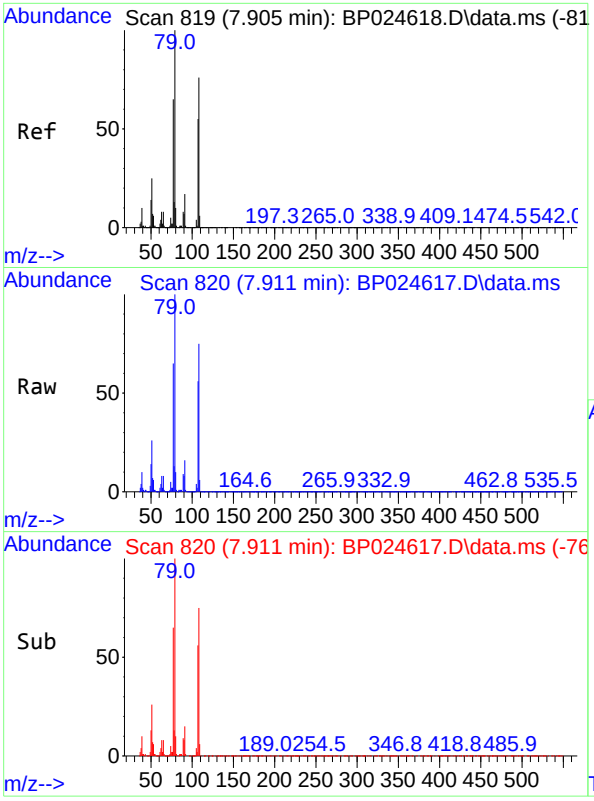


#14
1,2-Dichlorobenzene
Concen: 20.02 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 168795

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.4
111	43.9	35.2	52.8





#15
Benzyl Alcohol
Concen: 19.89 ng
RT: 7.911 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 12707

Ion	Ratio	Lower	Upper
79	100		
108	74.8	60.8	91.2
77	65.1	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
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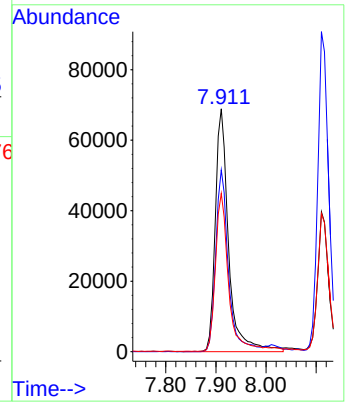
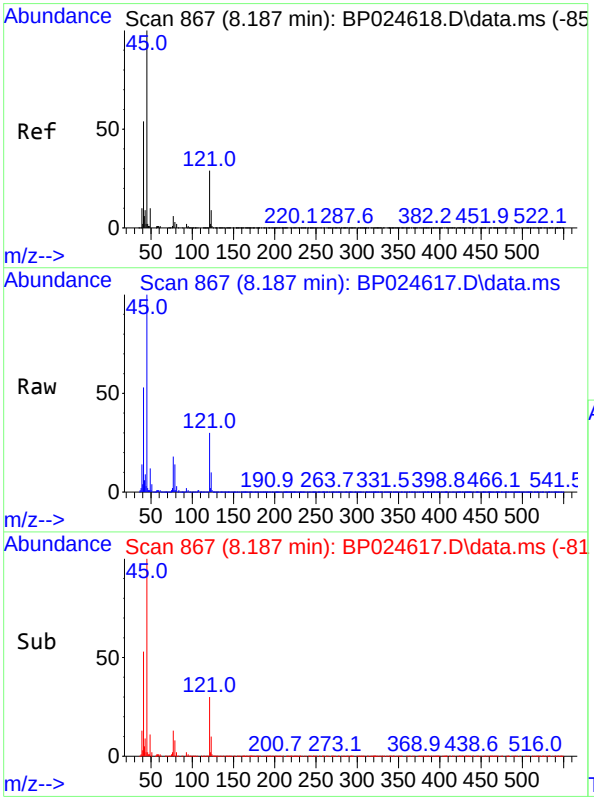
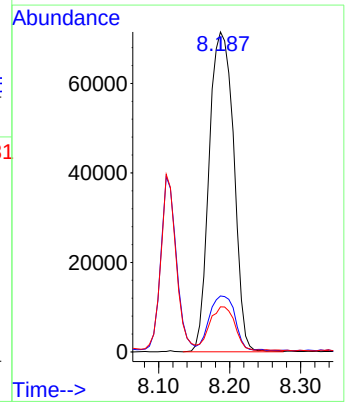


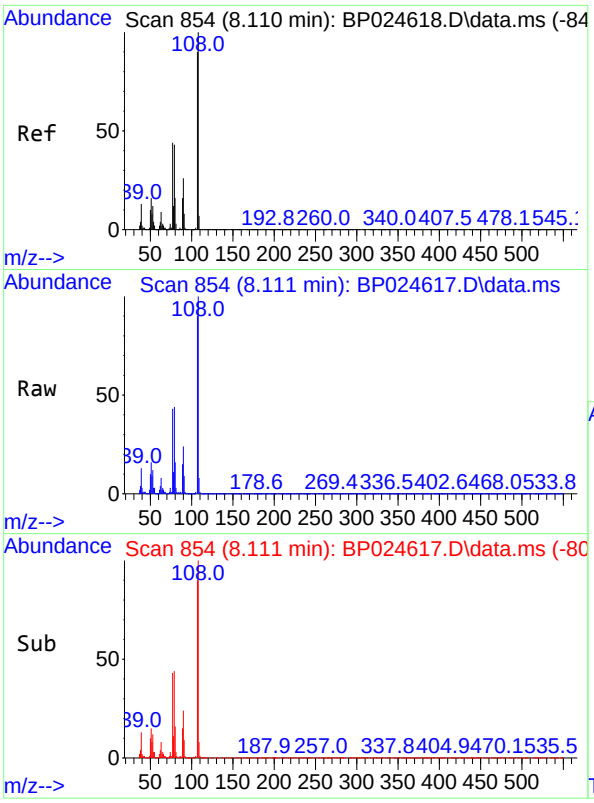


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.06 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 45 Resp: 171274

Ion	Ratio	Lower	Upper
45	100		
77	17.5	0.0	37.7
79	14.1	0.0	34.0

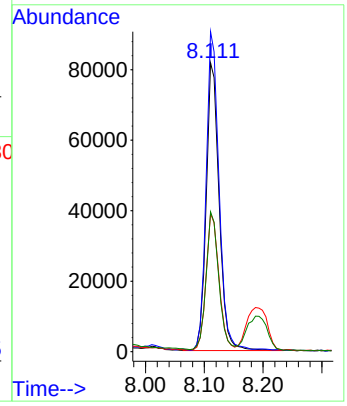




#17
2-Methylphenol
Concen: 20.01 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 12450

Ion	Ratio	Lower	Upper
107	100		
108	110.8	88.9	133.3
77	47.9	39.0	58.6
79	48.4	38.4	57.6



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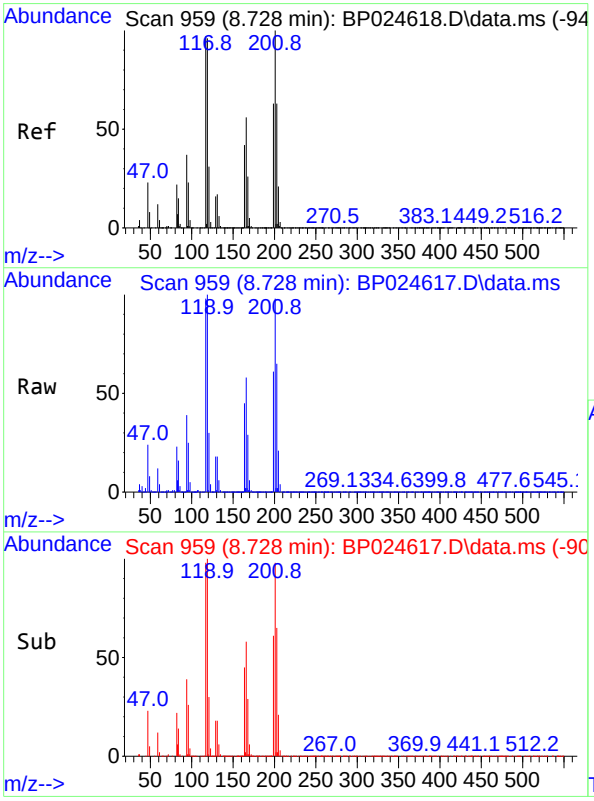
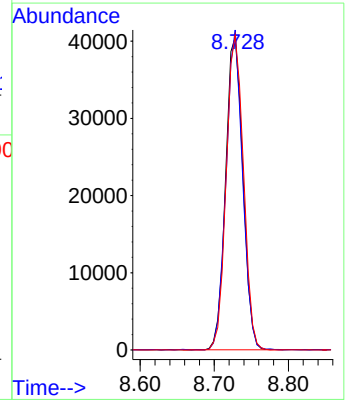
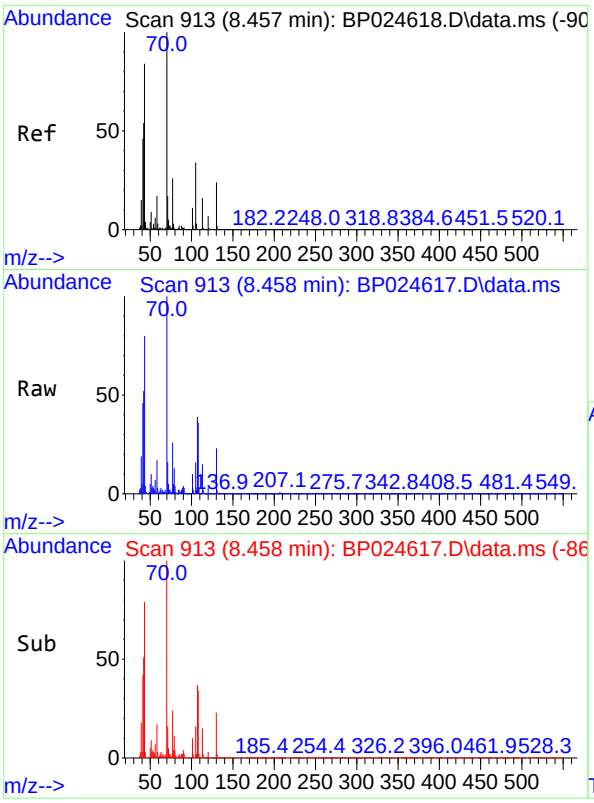


#18
Hexachloroethane
Concen: 19.76 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:117 Resp: 65527

Ion	Ratio	Lower	Upper
117	100		
119	102.4	79.4	119.0
201	100.8	82.7	124.1

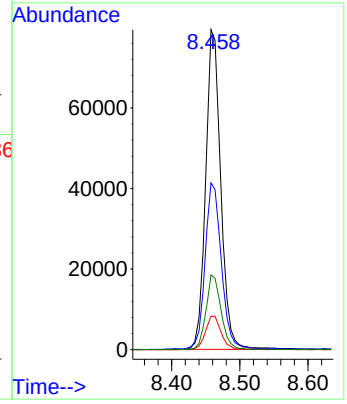




#19
n-Nitroso-di-n-propylamine
Concen: 21.05 ng
RT: 8.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 70 Resp: 12238

Ion	Ratio	Lower	Upper
70	100		
42	52.1	43.0	64.6
101	10.5	8.7	13.1
130	23.4	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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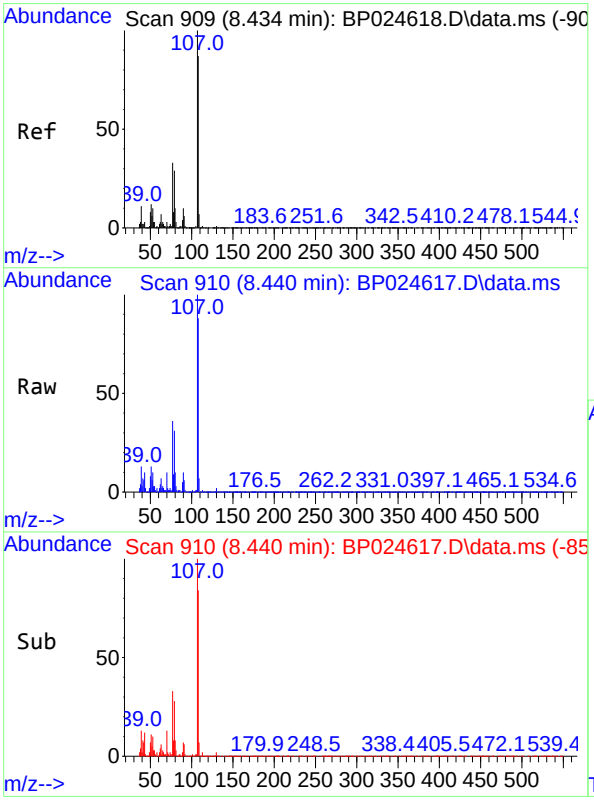
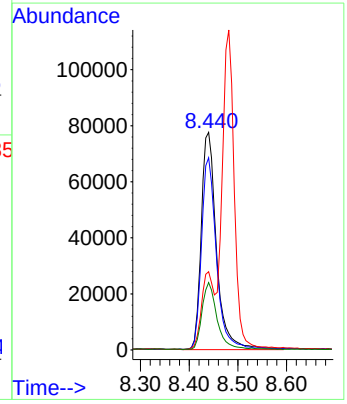
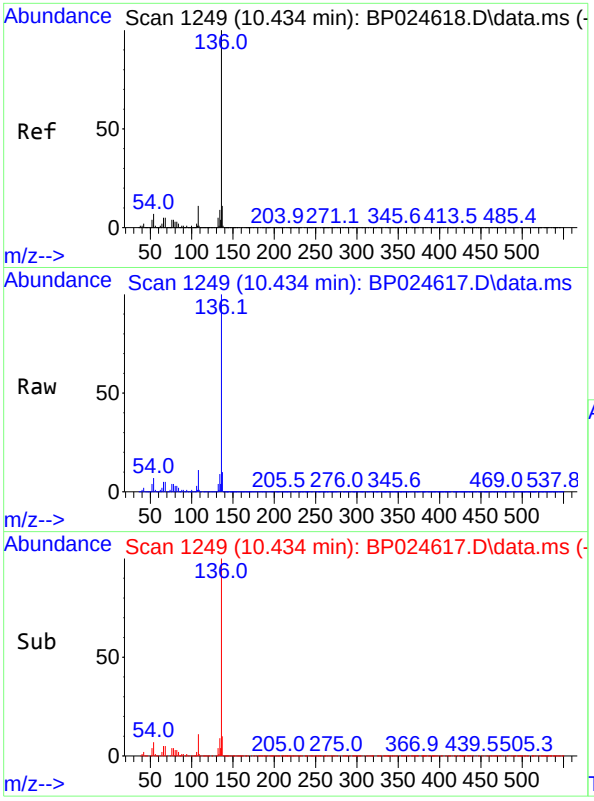


#20
3+4-Methylphenols
Concen: 20.00 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 169264

Ion	Ratio	Lower	Upper
107	100		
108	88.3	66.7	106.7
77	35.9	13.1	53.1
79	30.9	8.9	48.9





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 48872

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	6.7	5.5	8.3
68	4.6	4.2	6.2

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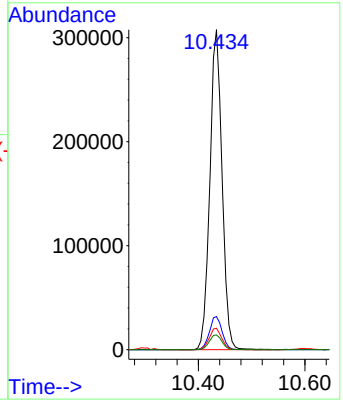
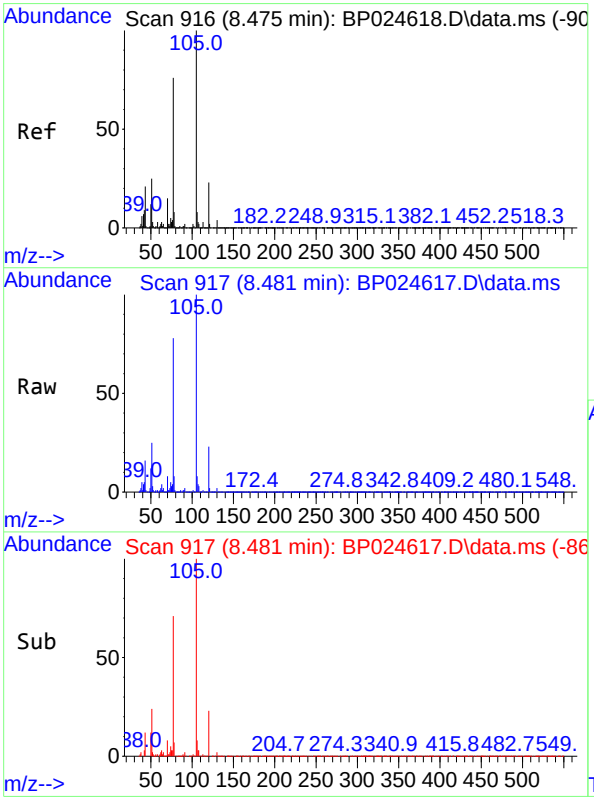
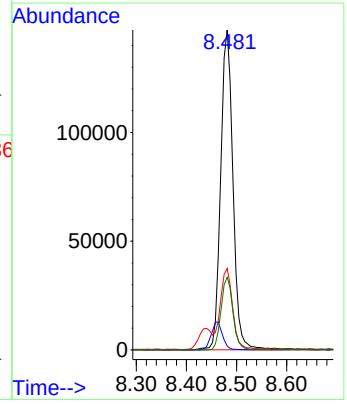


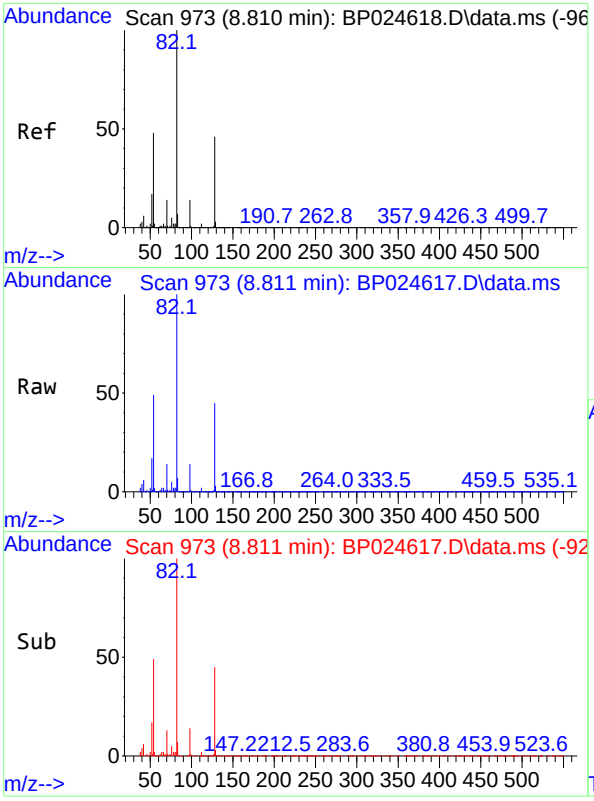


#22
Acetophenone
Concen: 20.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:105 Resp: 249692

Ion	Ratio	Lower	Upper
105	100		
71	1.2	2.0	3.0#
51	25.5	20.4	30.6
120	22.7	18.1	27.1

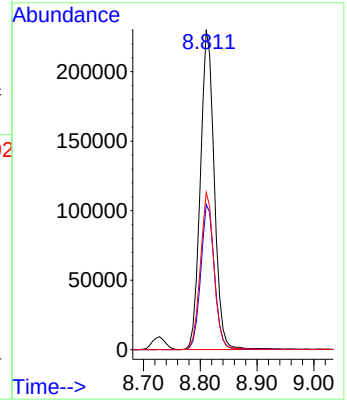




#23
Nitrobenzene-d5
Concen: 40.50 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 39173

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.0	55.4
54	49.1	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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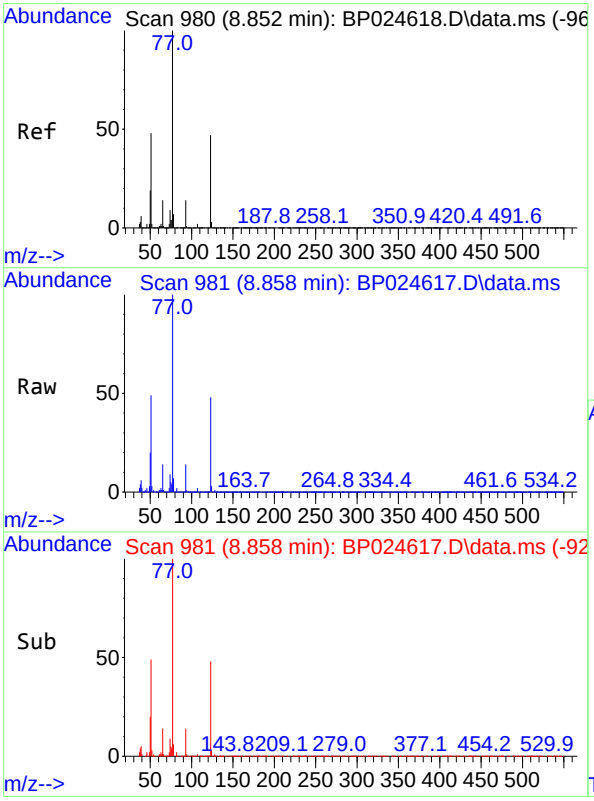
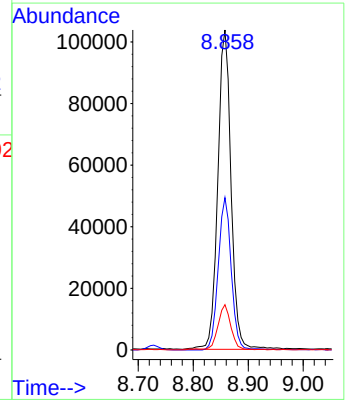
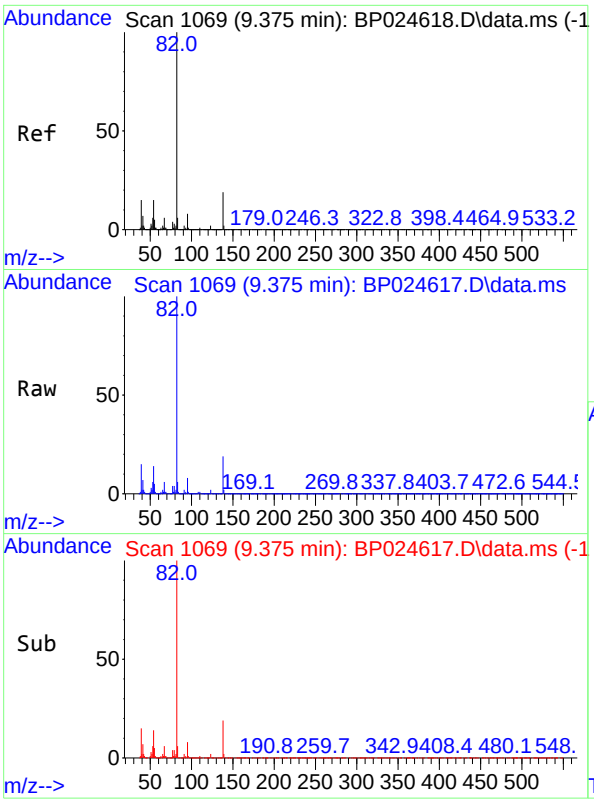


#24
Nitrobenzene
Concen: 20.40 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 173686

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.4	56.0
65	14.1	11.3	16.9

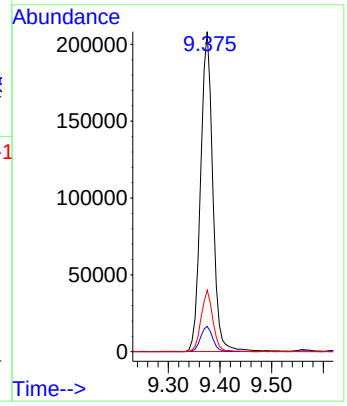




#25
Isophorone
Concen: 20.25 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 33969

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
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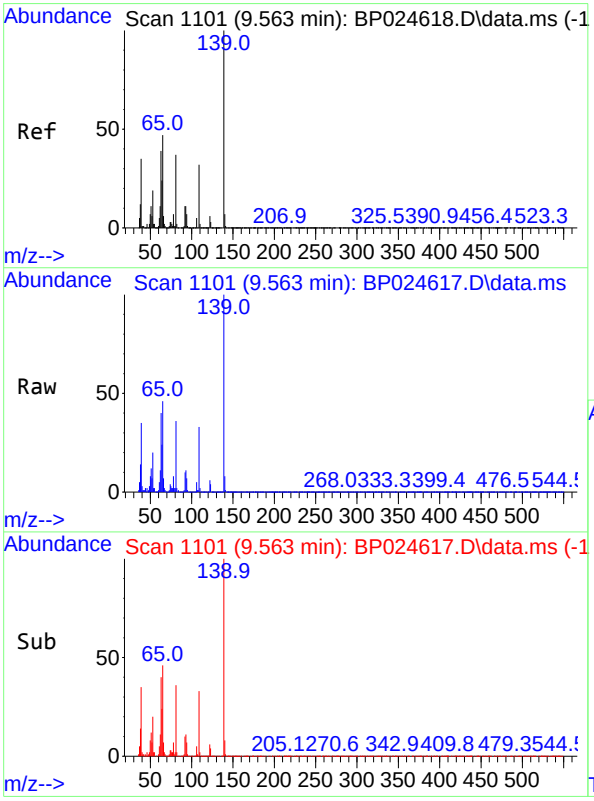
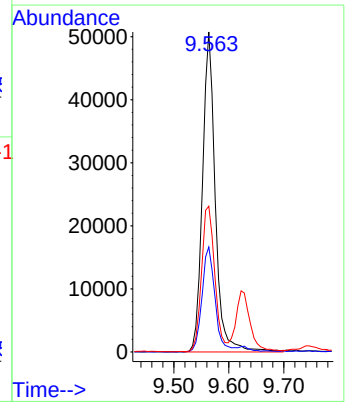
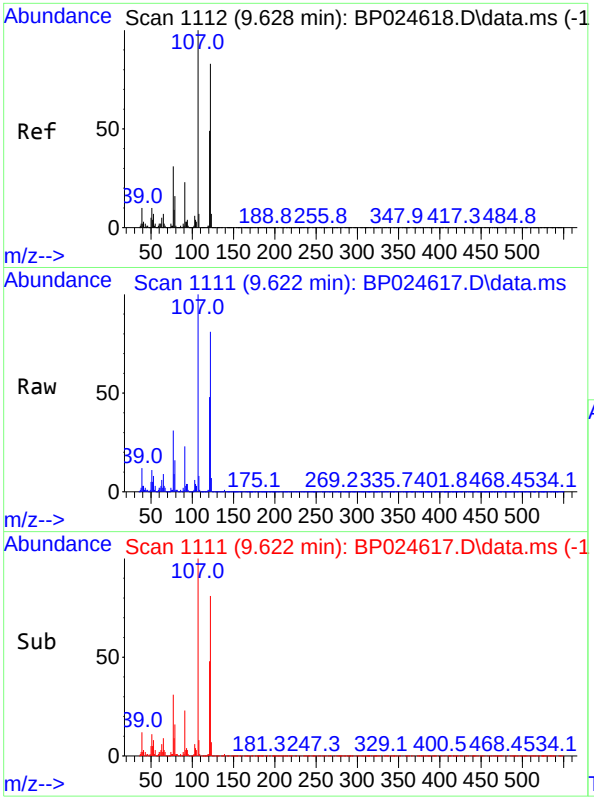


#26
2-Nitrophenol
Concen: 19.73 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 82278

Ion	Ratio	Lower	Upper
139	100		
109	32.8	25.9	38.9
65	45.6	37.9	56.9

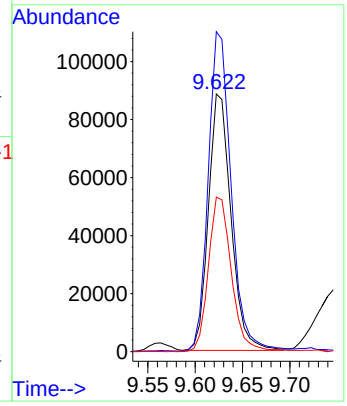




#27
2,4-Dimethylphenol
Concen: 19.96 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 14681

Ion	Ratio	Lower	Upper
122	100		
107	124.1	96.2	144.2
121	60.0	47.6	71.4



Instrument :
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ClientSampleId :
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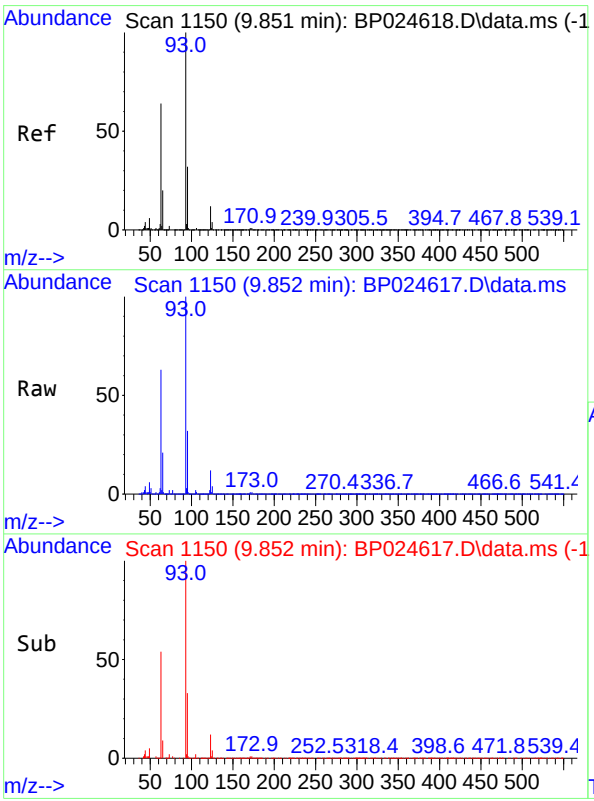
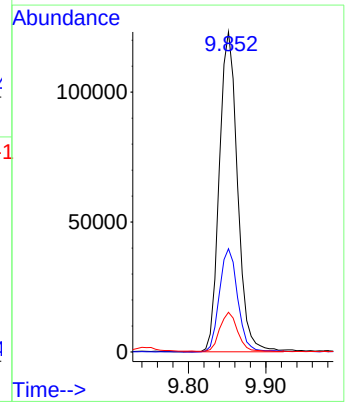
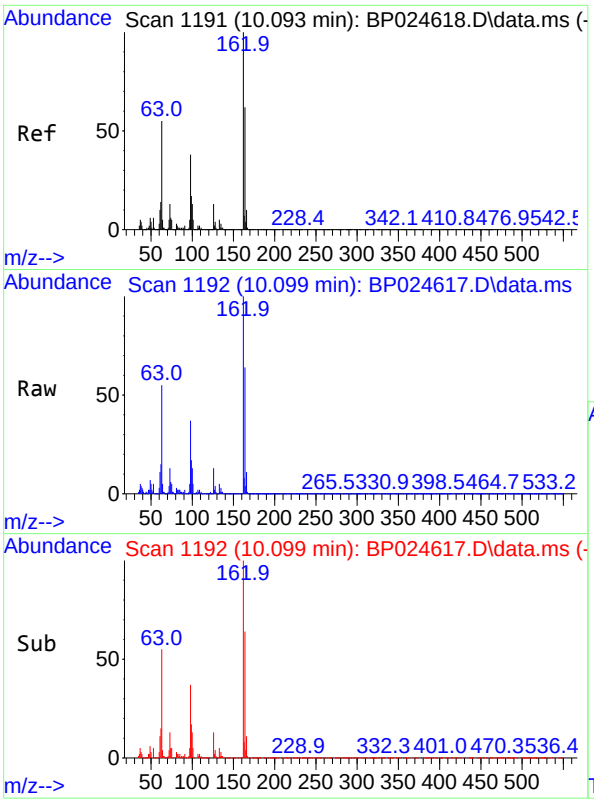


#28
bis(2-Chloroethoxy)methane
Concen: 20.04 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 200872

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.4	9.7	14.5

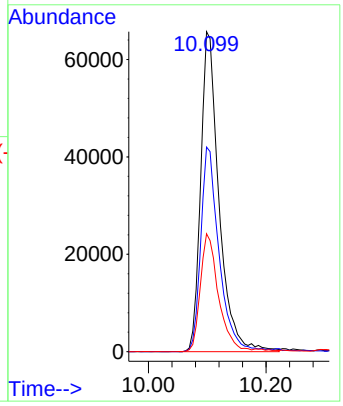




#29
2,4-Dichlorophenol
Concen: 19.90 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 14178

Ion	Ratio	Lower	Upper
162	100		
164	64.0	42.3	82.3
98	36.8	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
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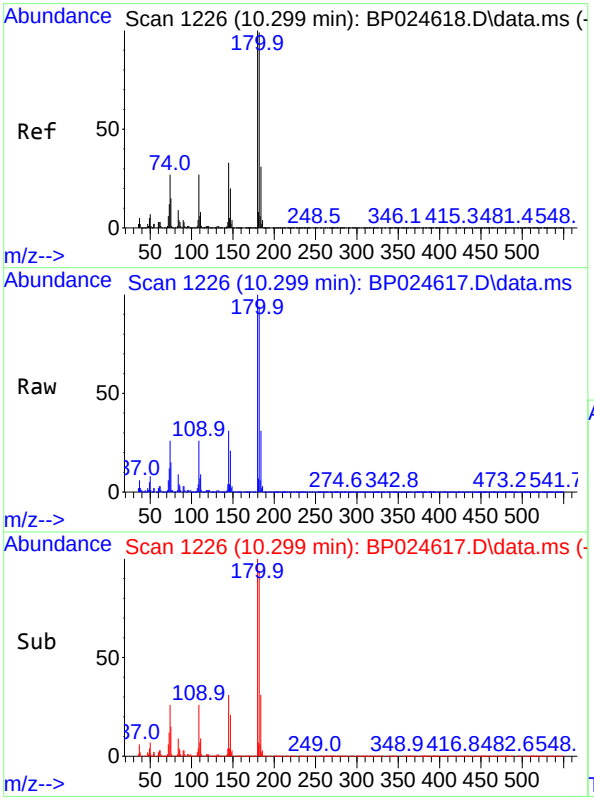
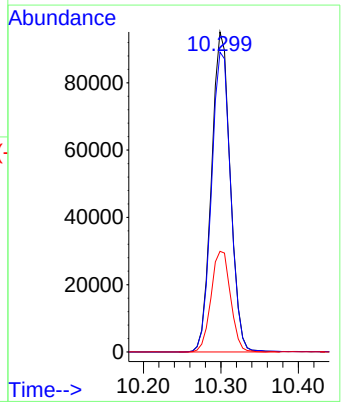
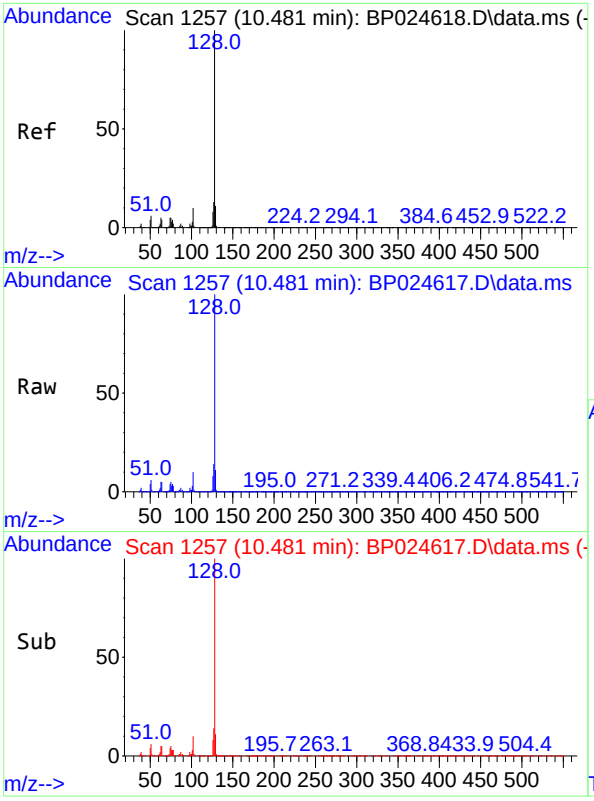


#30
1,2,4-Trichlorobenzene
Concen: 19.92 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:180 Resp: 159998

Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.0	118.4
145	31.5	26.6	39.8

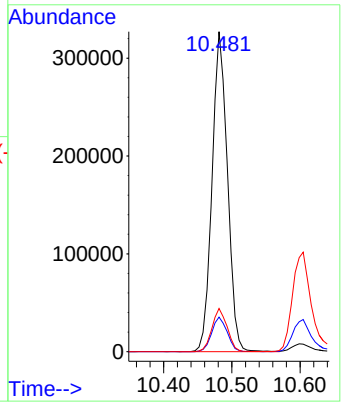




#31
Naphthalene
Concen: 20.25 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 51288

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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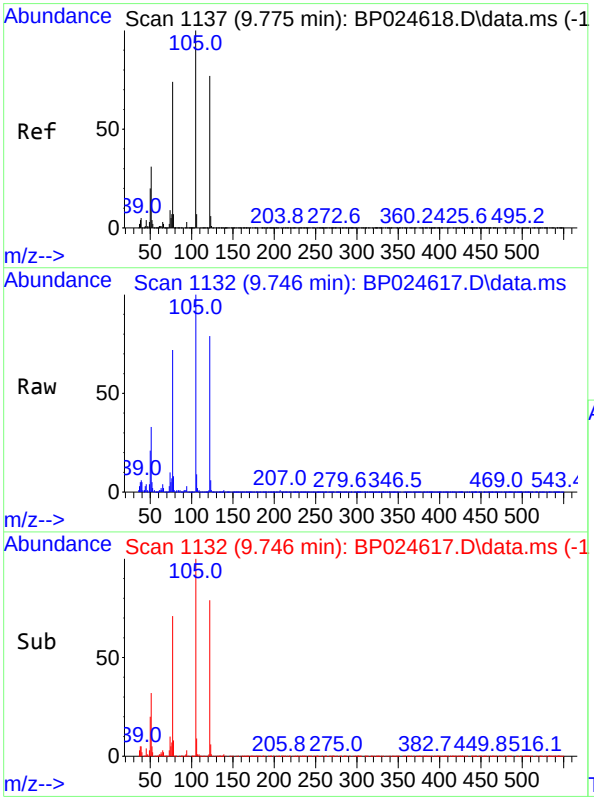
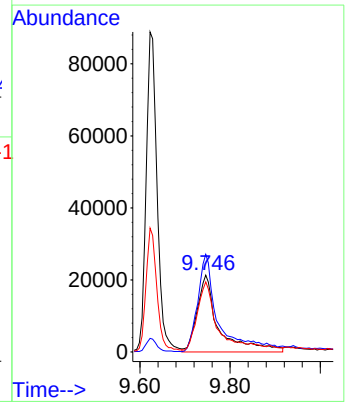
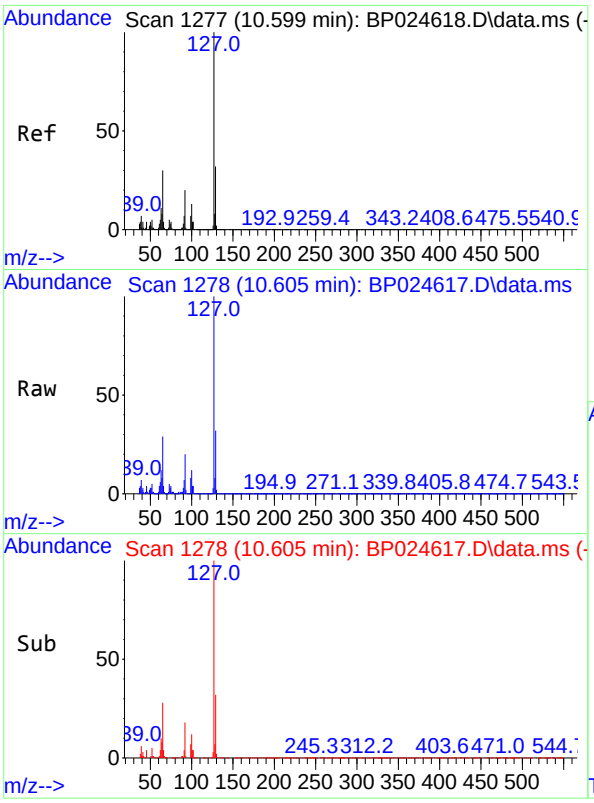


#32
Benzoic acid
Concen: 18.73 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 71538

Ion	Ratio	Lower	Upper
122	100		
105	127.1	106.9	146.9
77	91.3	75.1	115.1

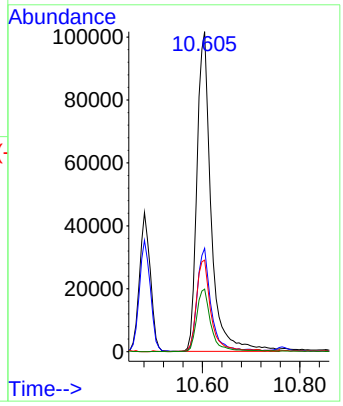




#33
4-Chloroaniline
Concen: 20.10 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:127 Resp: 20543

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	28.6	23.9	35.9
92	19.6	16.1	24.1



Instrument :
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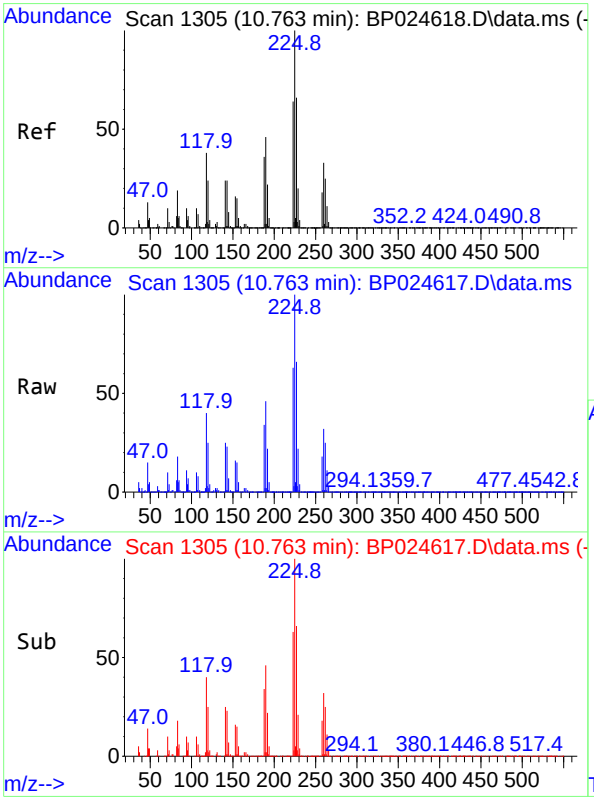
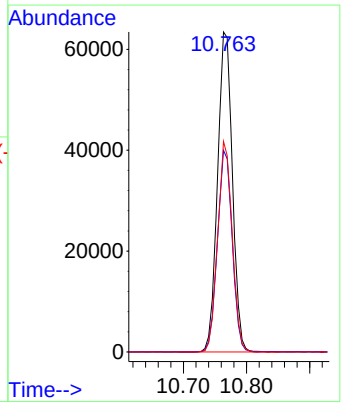
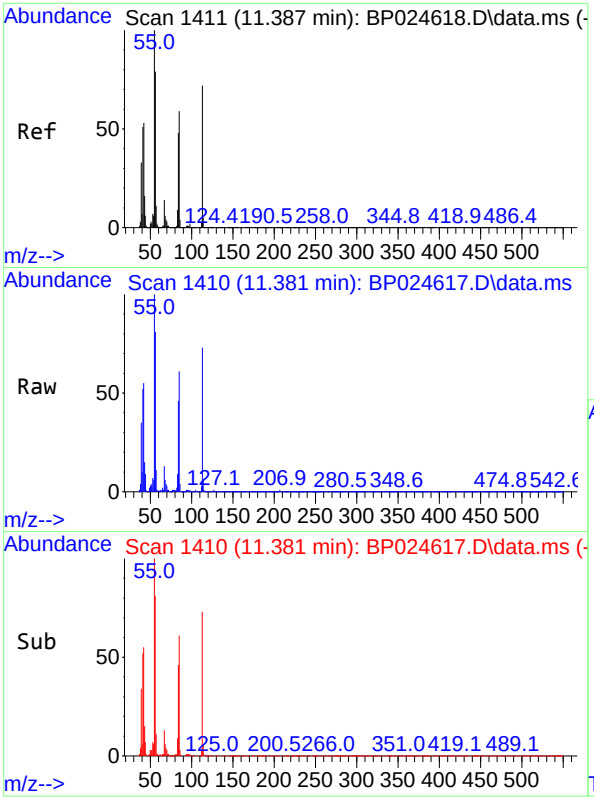


#34
Hexachlorobutadiene
Concen: 19.87 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:225 Resp: 103364

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	65.8	53.1	79.7

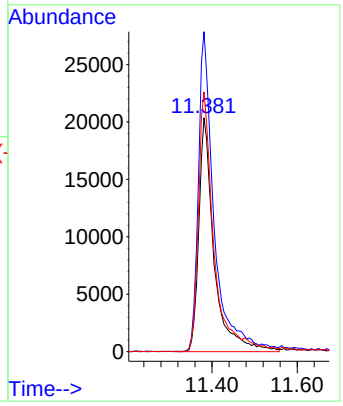




#35
Caprolactam
Concen: 19.68 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:113 Resp: 5072

Ion	Ratio	Lower	Upper
113	100		
55	136.8	119.0	159.0
56	111.1	90.3	130.3



Instrument :
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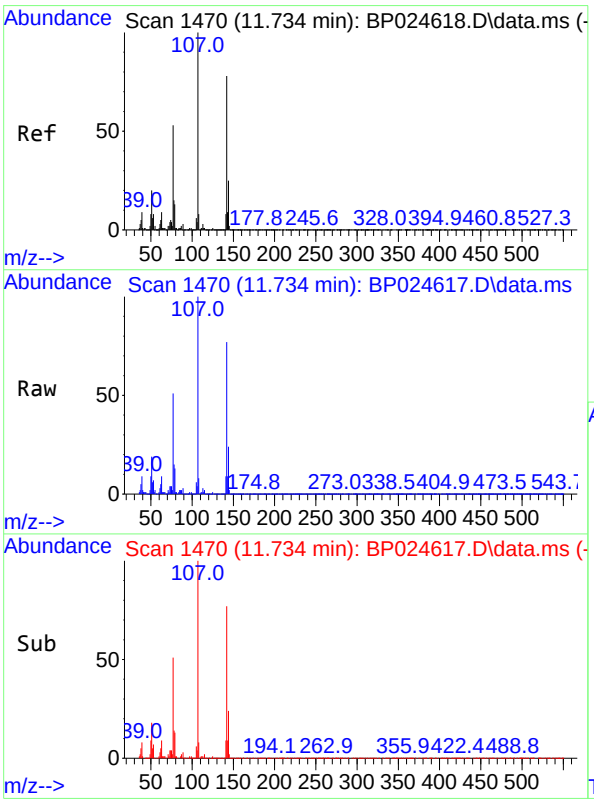
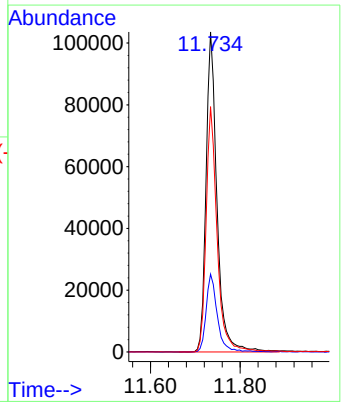
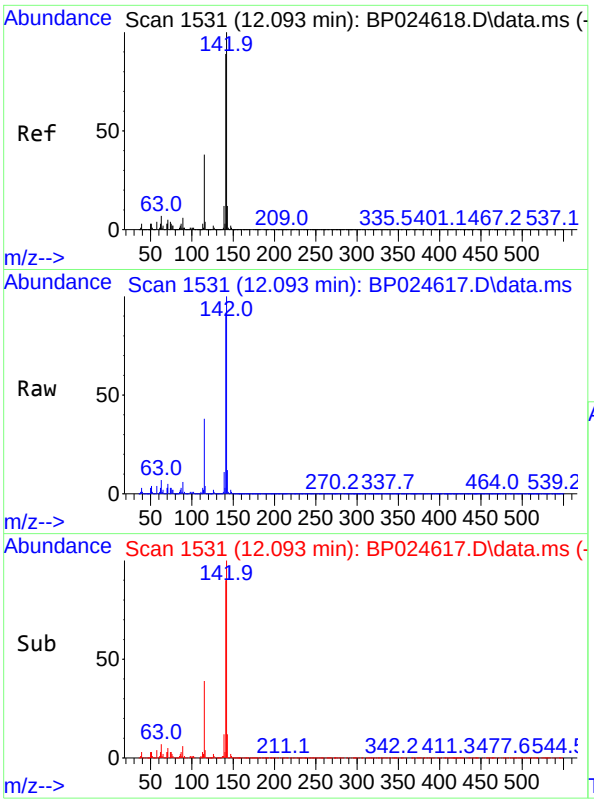


#36
4-Chloro-3-methylphenol
Concen: 20.12 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 174840

Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.1	30.1
142	76.6	62.1	93.1





#37
2-Methylnaphthalene
Concen: 19.97 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 32744

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8
115	38.3	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
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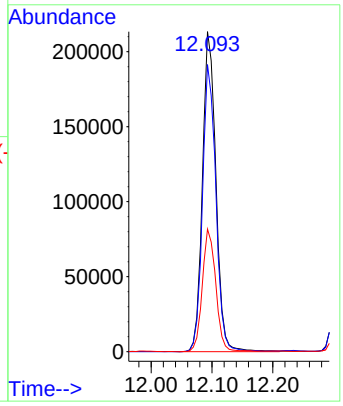
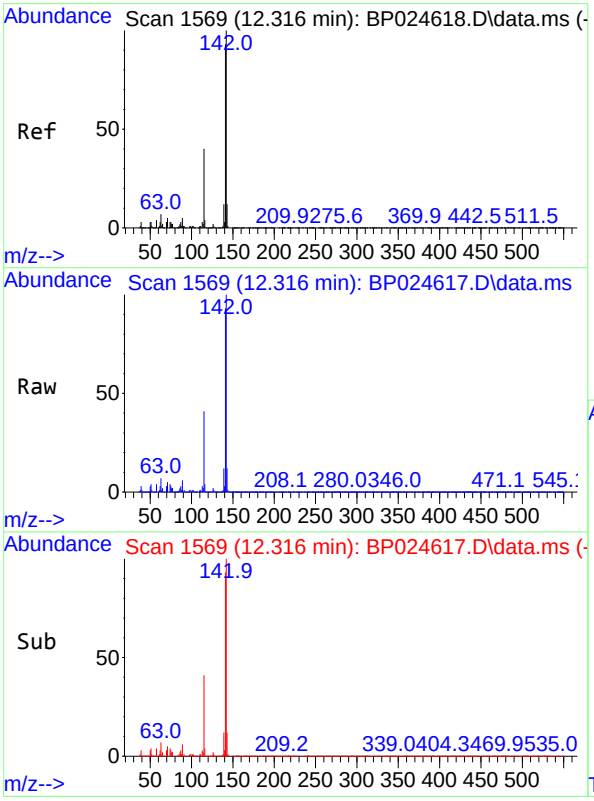
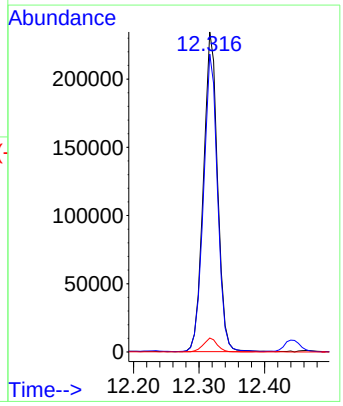


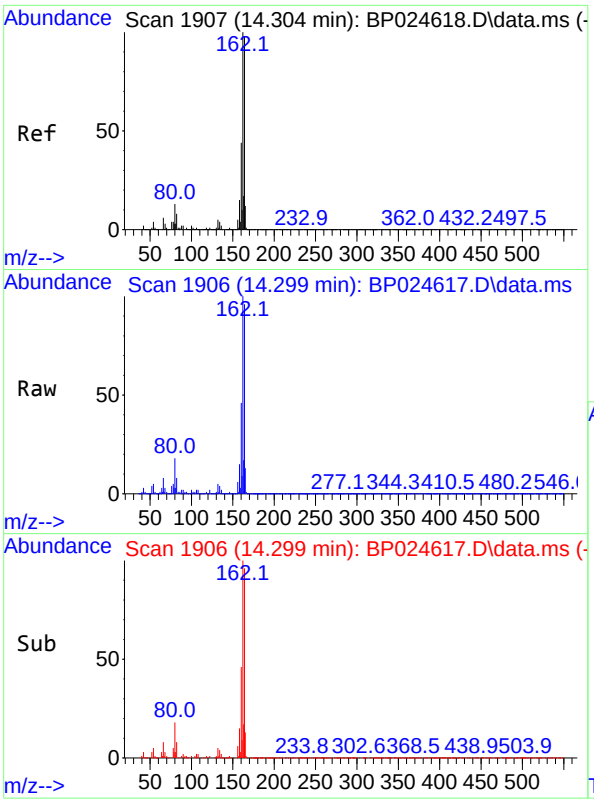


#38
1-Methylnaphthalene
Concen: 20.07 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 352091

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.4	3.4	5.2

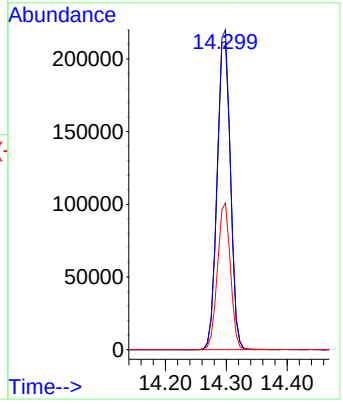




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:164 Resp: 32392

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	47.6	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
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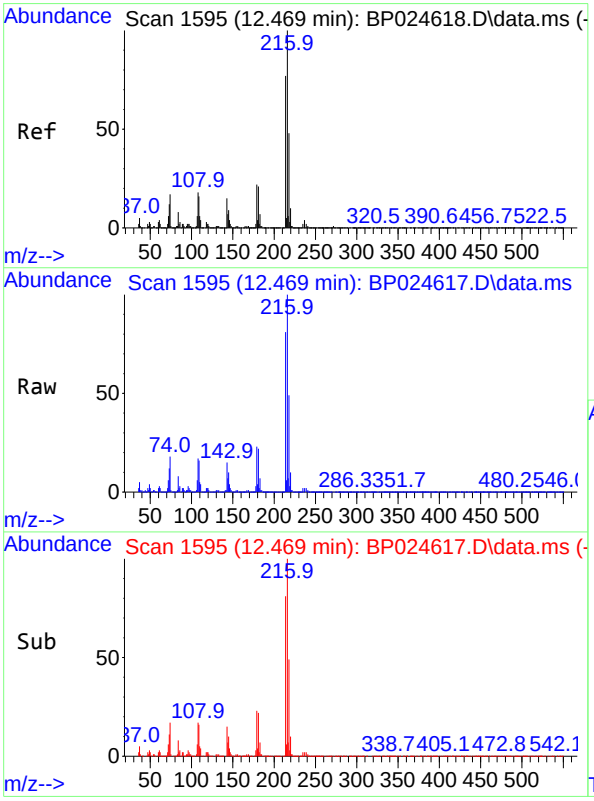
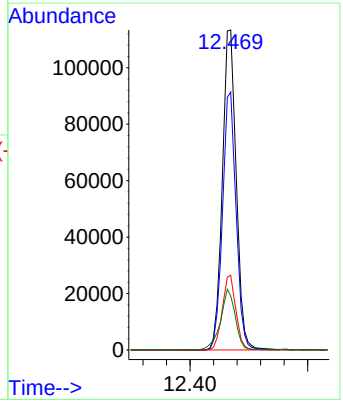
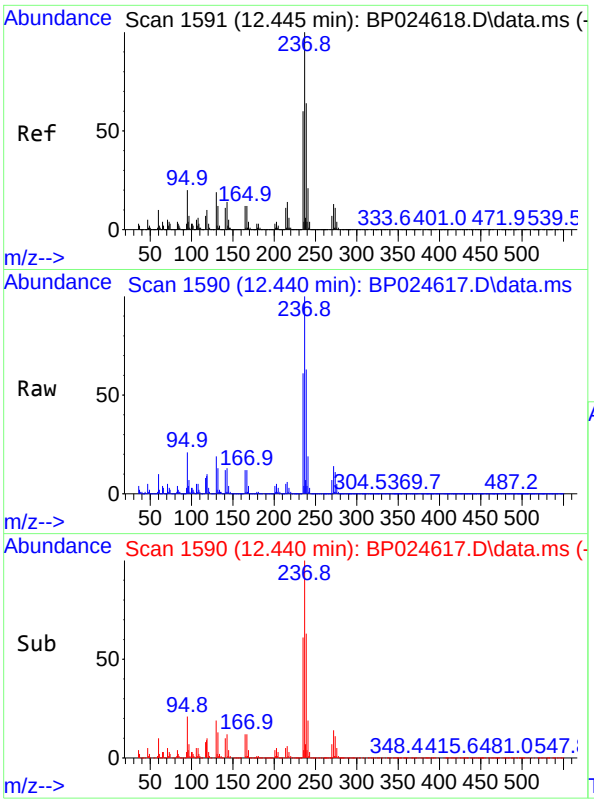


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.77 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:216 Resp: 185982

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	22.9	17.7	26.5
108	20.2	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 19.90 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:237 Resp: 11349

Ion	Ratio	Lower	Upper
237	100		
235	61.1	39.9	79.9
272	14.0	0.0	33.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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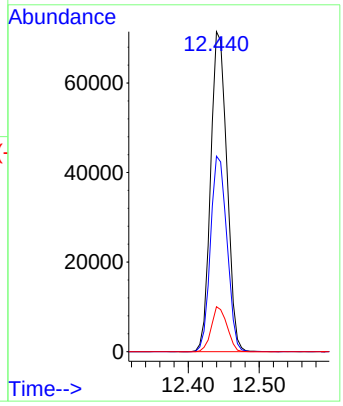
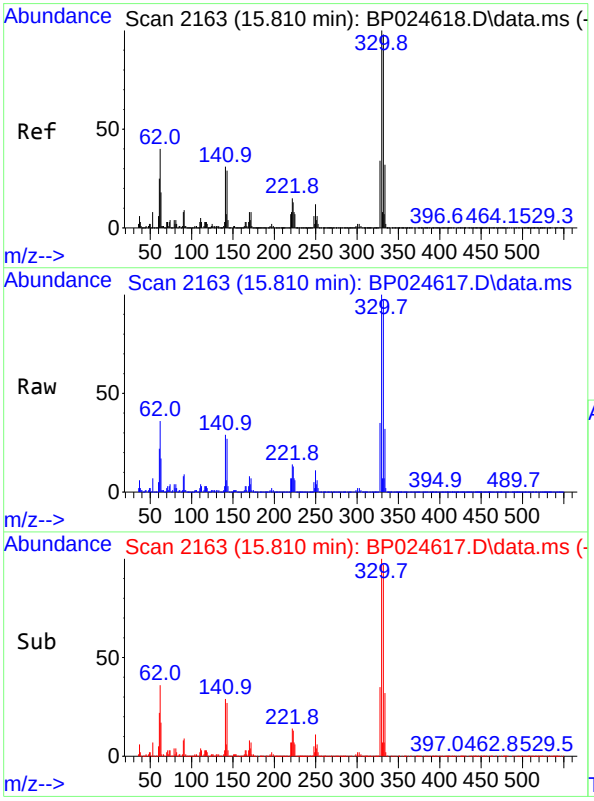
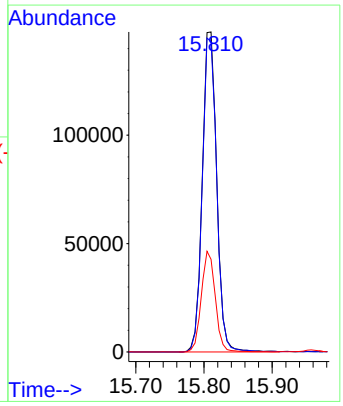


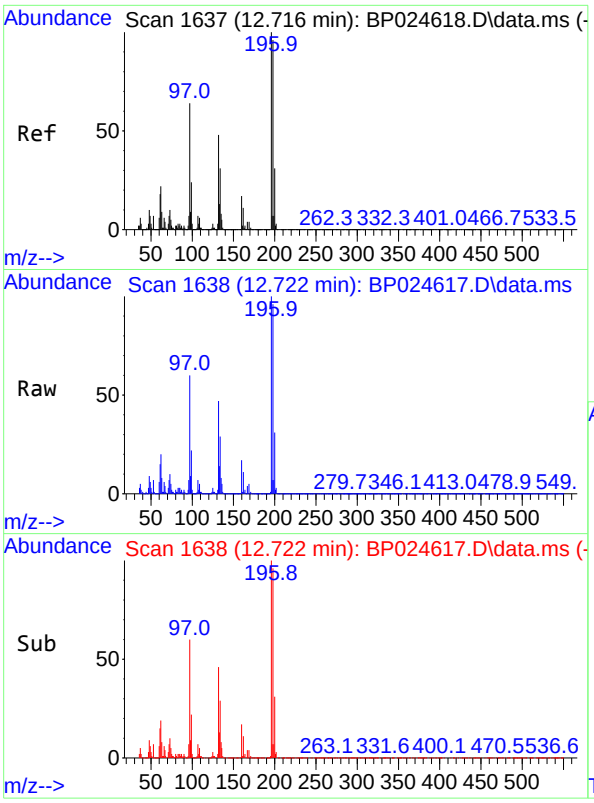


#42
2,4,6-Tribromophenol
Concen: 39.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:330 Resp: 217092

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.5	24.3	36.5

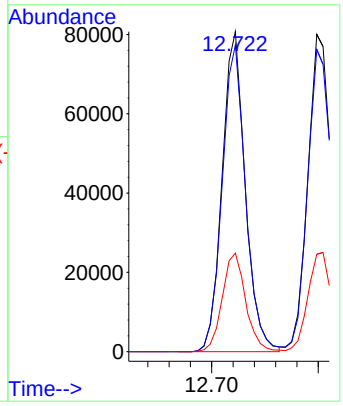




#43
2,4,6-Trichlorophenol
Concen: 19.95 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 12152

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.9	115.3
200	30.8	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
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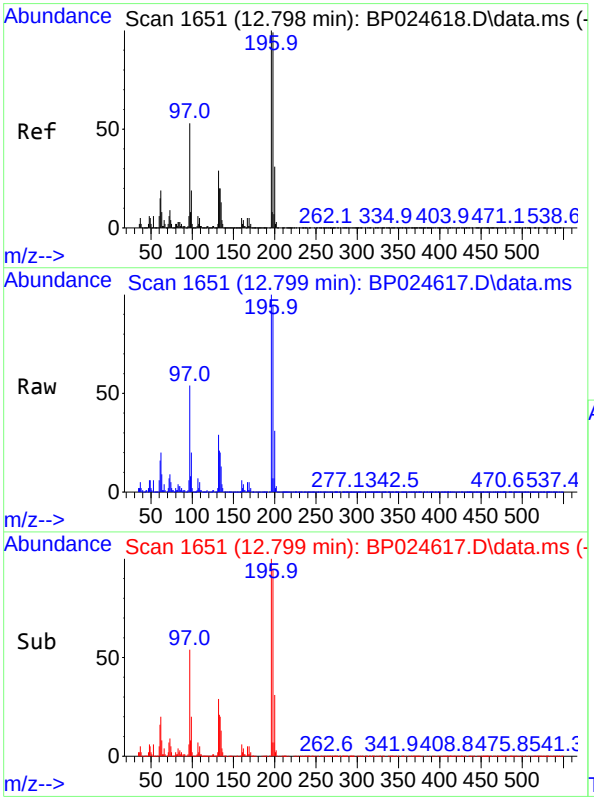
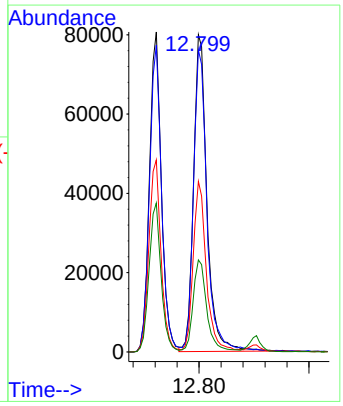
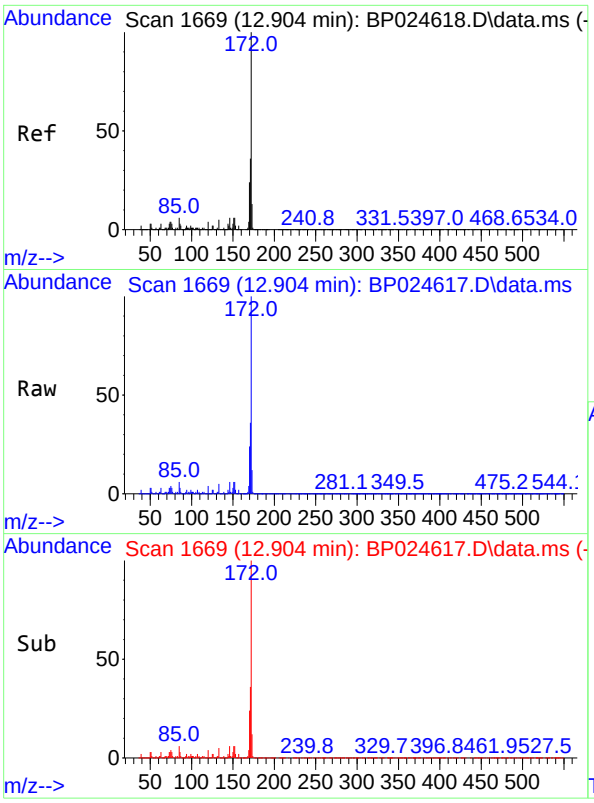


#44
2,4,5-Trichlorophenol
Concen: 19.95 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 135306

Ion	Ratio	Lower	Upper
196	100		
198	95.2	79.2	118.8
97	53.8	42.3	63.5
132	29.0	23.3	34.9

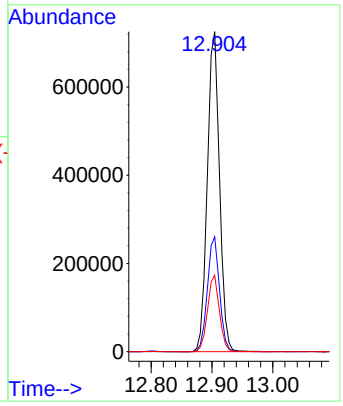




#45
2-Fluorobiphenyl
Concen: 40.69 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:172 Resp: 100615

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
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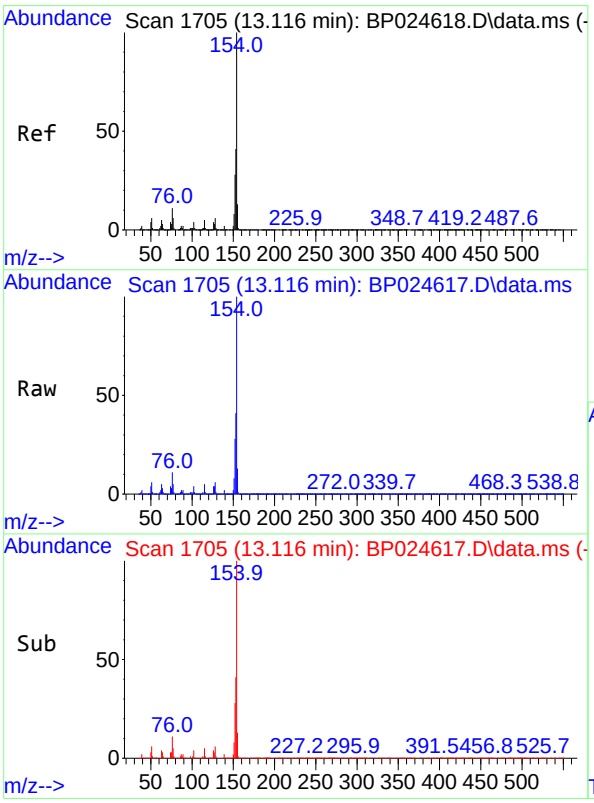
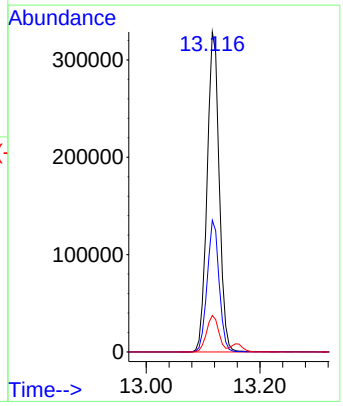
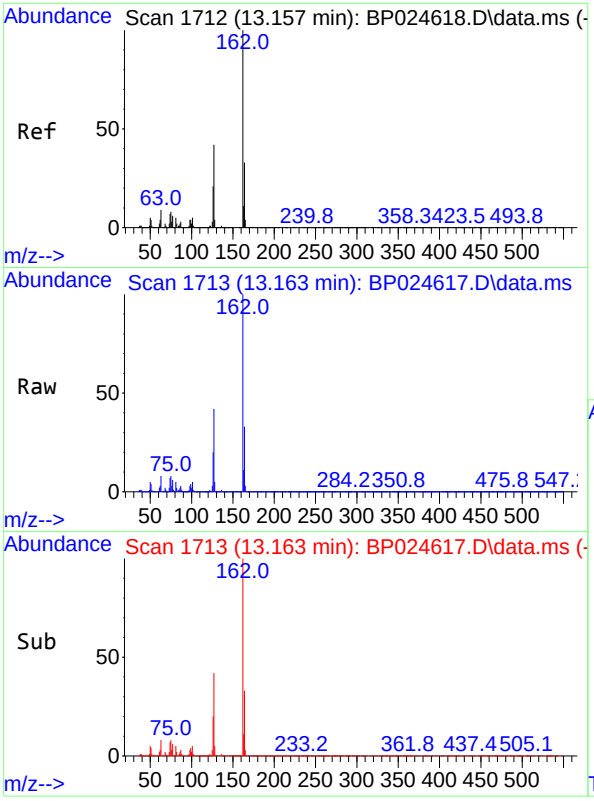


#46
1,1'-Biphenyl
Concen: 20.19 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 483352

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.4	0.0	31.5

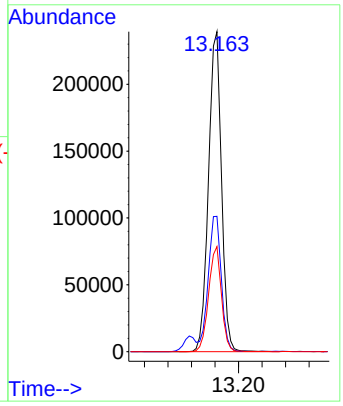




#47
2-Chloronaphthalene
Concen: 20.06 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 36624

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.8	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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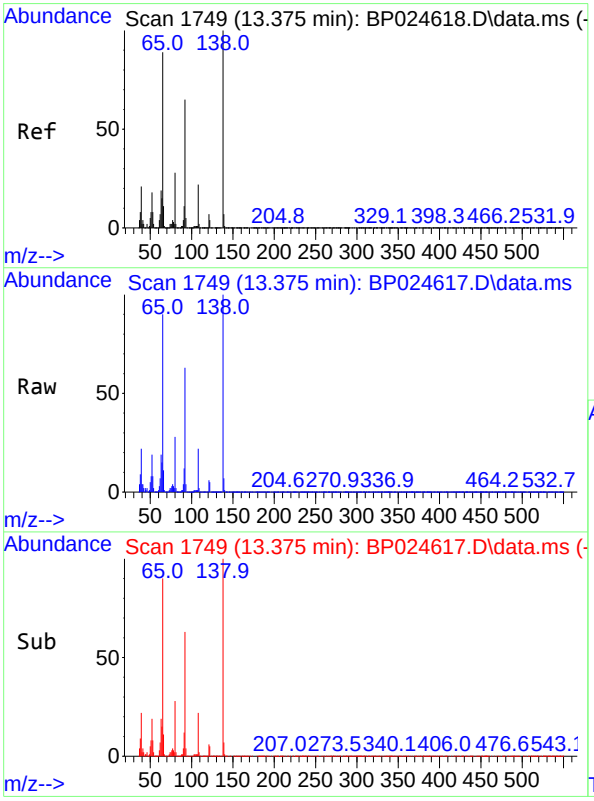
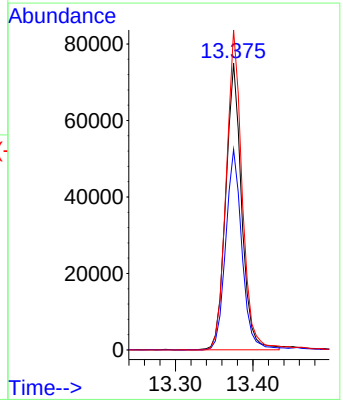
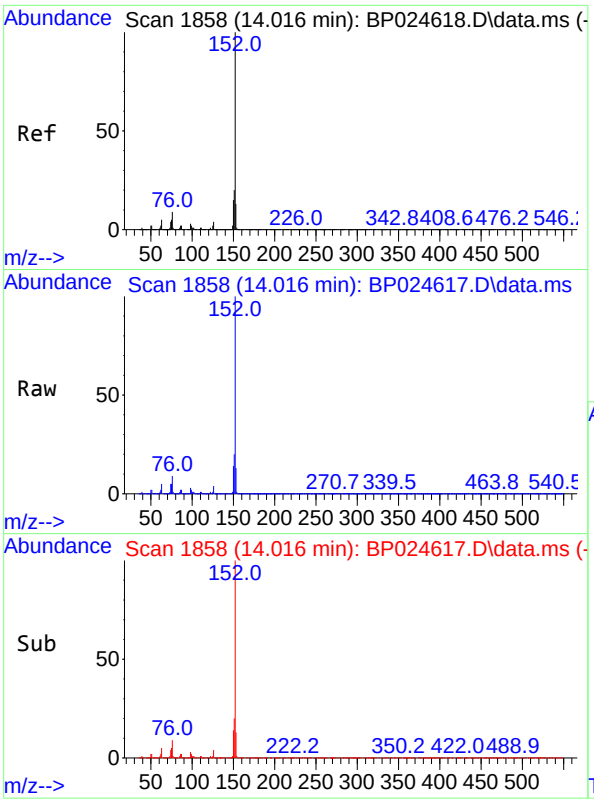


#48
2-Nitroaniline
Concen: 19.81 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 65 Resp: 107062

Ion	Ratio	Lower	Upper
65	100		
92	69.8	58.7	88.1
138	111.5	90.2	135.2

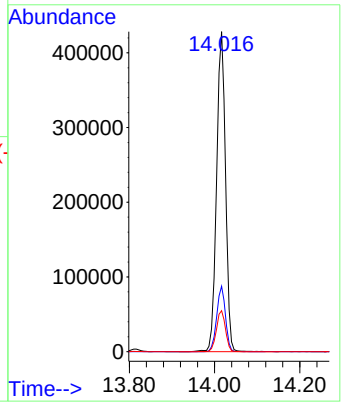




#49
Acenaphthylene
Concen: 20.36 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 62199

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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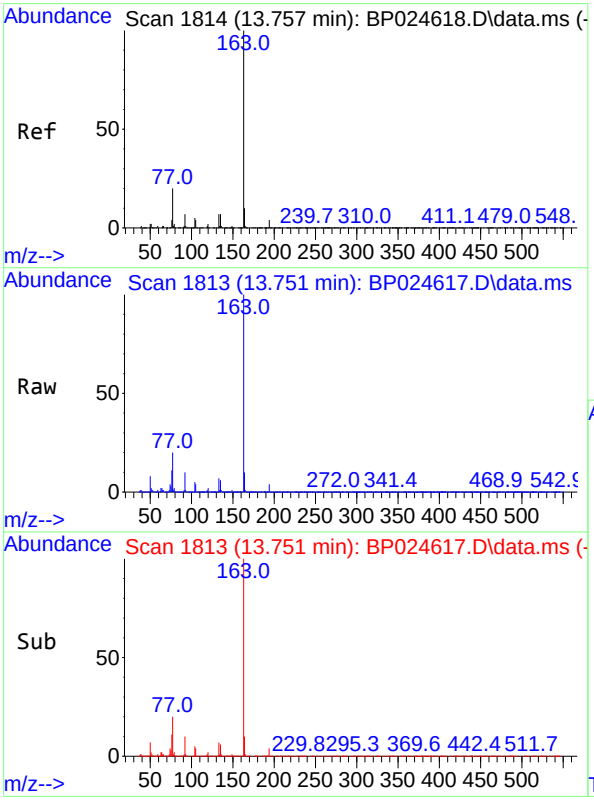
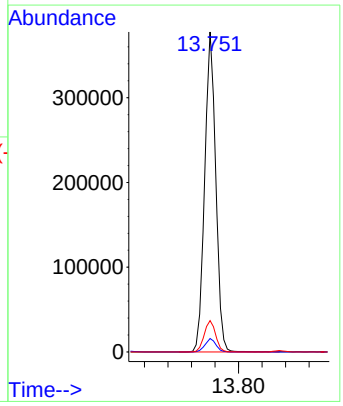
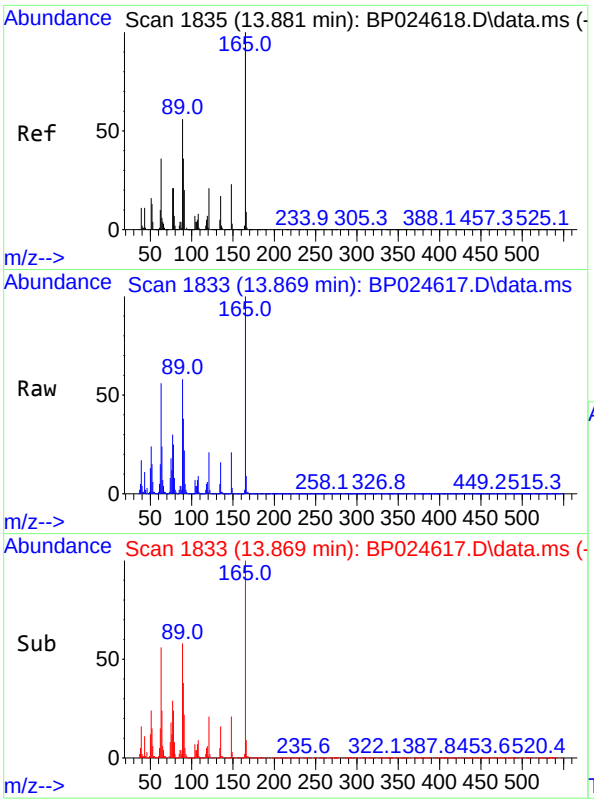


#50
Dimethylphthalate
Concen: 19.91 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:163 Resp: 491623

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.8	8.1	12.1

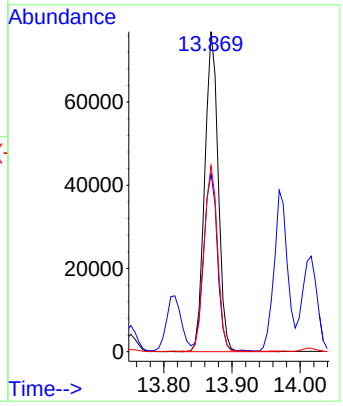




#51
2,6-Dinitrotoluene
Concen: 20.23 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:165 Resp: 10547

Ion	Ratio	Lower	Upper
165	100		
63	55.6	42.4	63.6
89	58.1	44.8	67.2



Instrument :
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ClientSampleId :
SSTDICC020

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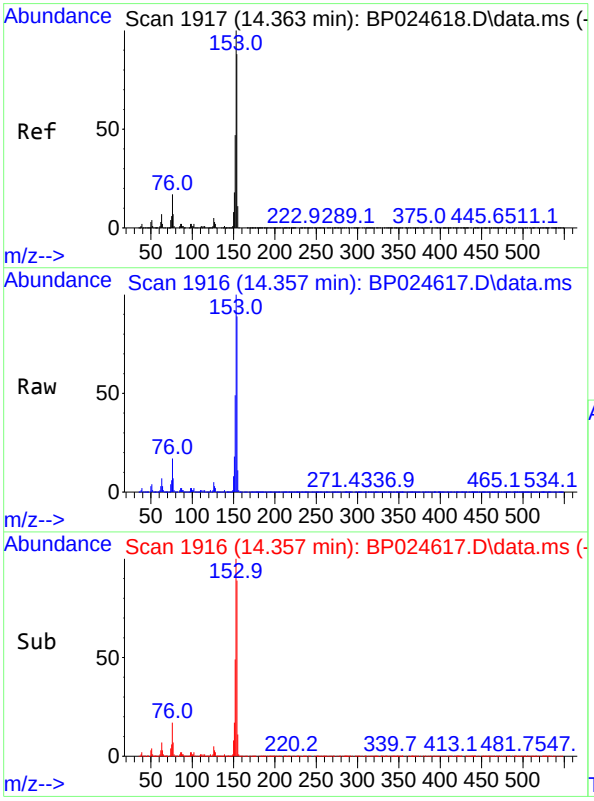
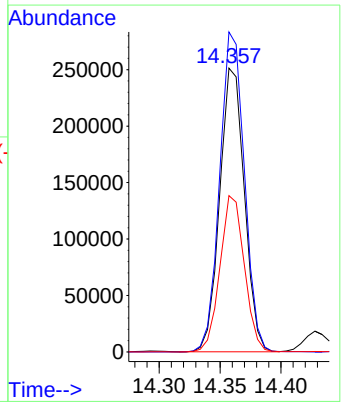
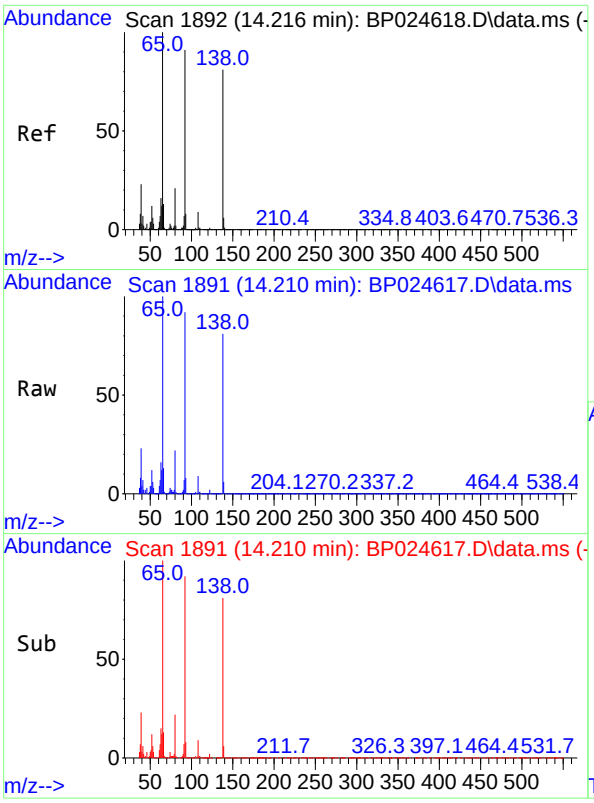


#52
Acenaphthene
Concen: 20.19 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 354519

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.0	136.4
152	55.1	42.9	64.3

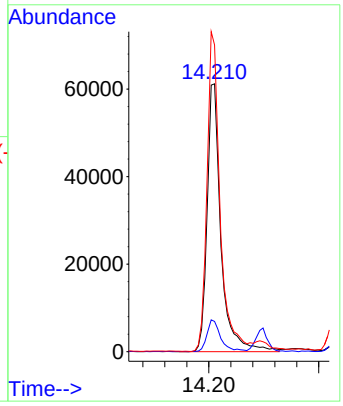




#53
3-Nitroaniline
Concen: 20.01 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 10652

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	114.5	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
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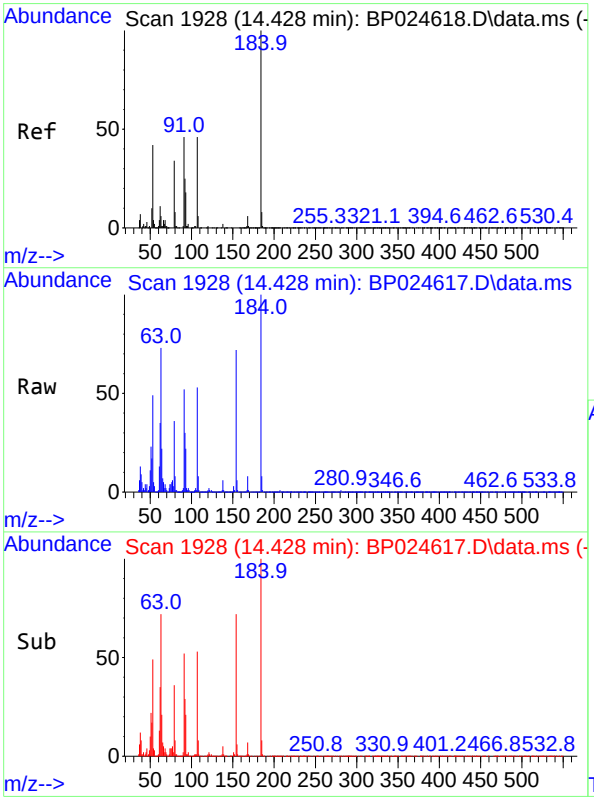
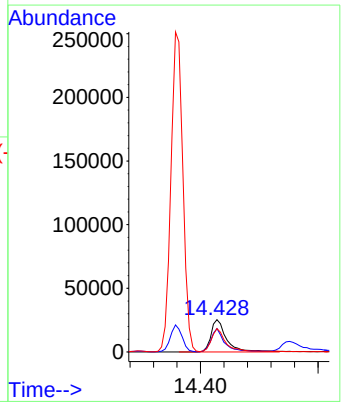
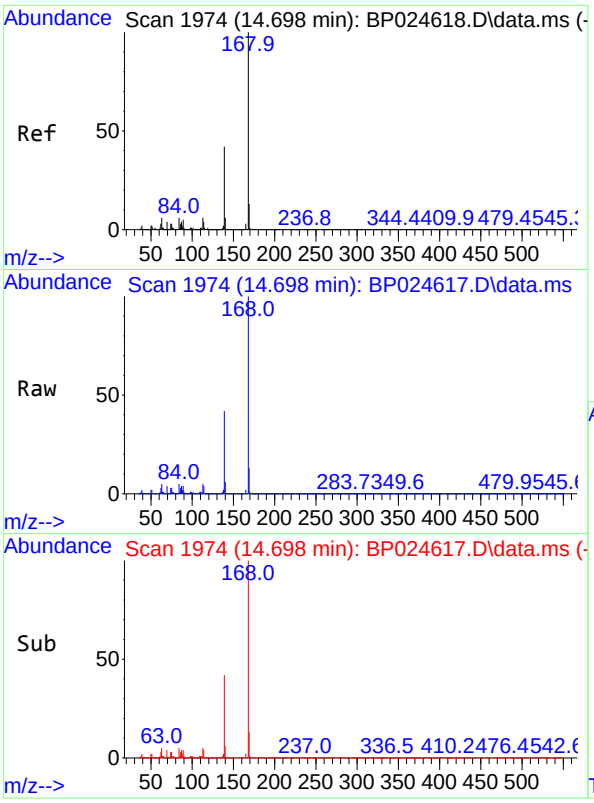


#54
2,4-Dinitrophenol
Concen: 19.37 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 46351

Ion	Ratio	Lower	Upper
184	100		
63	72.5	51.3	76.9
154	72.4	53.5	80.3

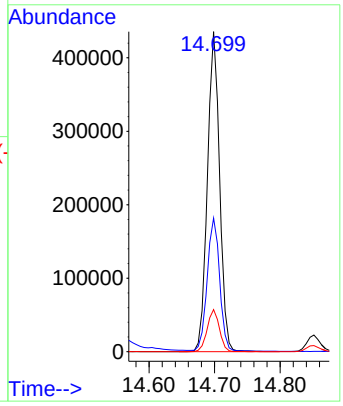




#55
Dibenzofuran
Concen: 20.12 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:168 Resp: 56371

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	13.1	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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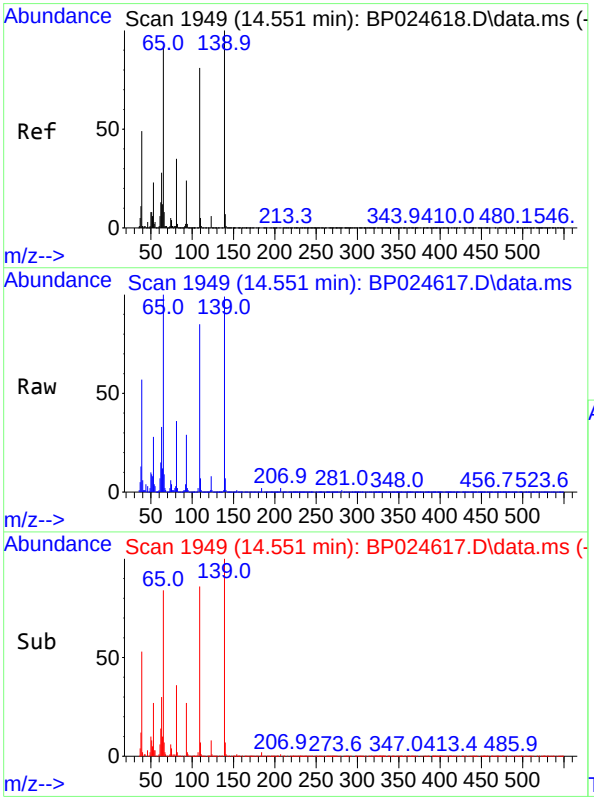
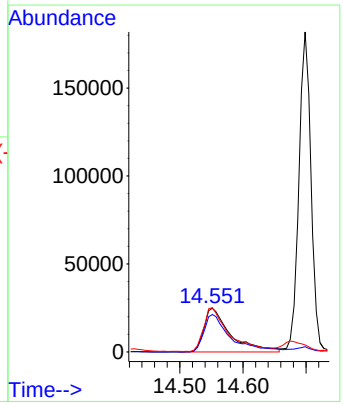
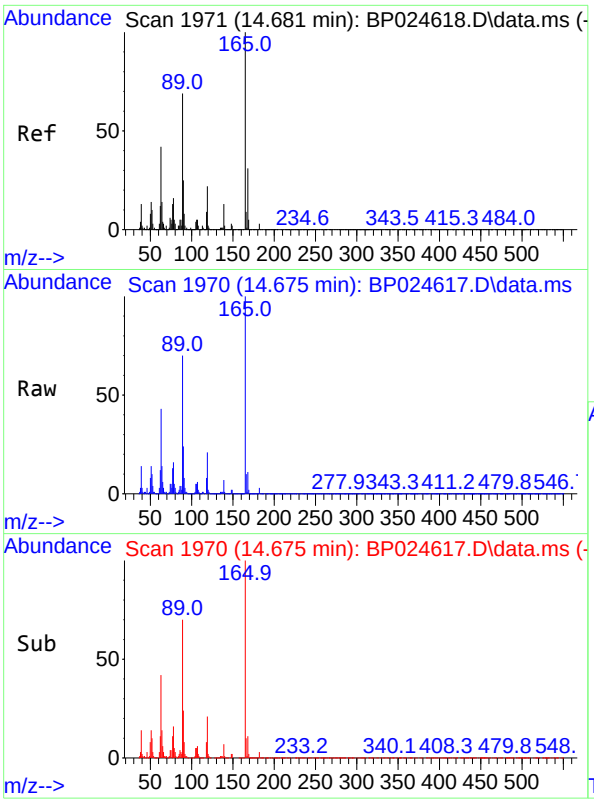


#56
4-Nitrophenol
Concen: 19.02 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 71975

Ion	Ratio	Lower	Upper
139	100		
109	85.7	61.4	101.4
65	101.4	72.2	112.2

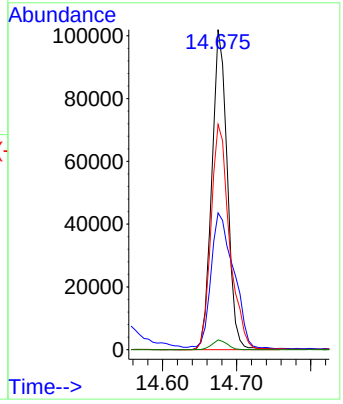




#57
2,4-Dinitrotoluene
Concen: 20.09 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:165 Resp: 14767

Ion	Ratio	Lower	Upper
165	100		
63	42.7	33.8	50.6
89	70.4	55.6	83.4
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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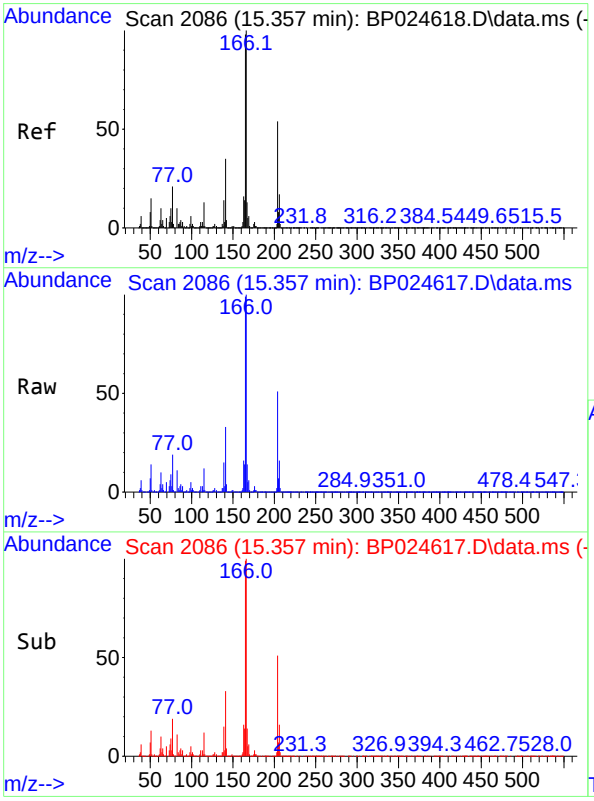
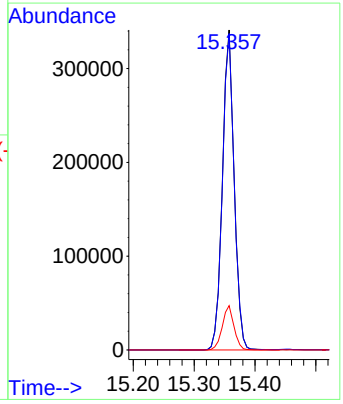
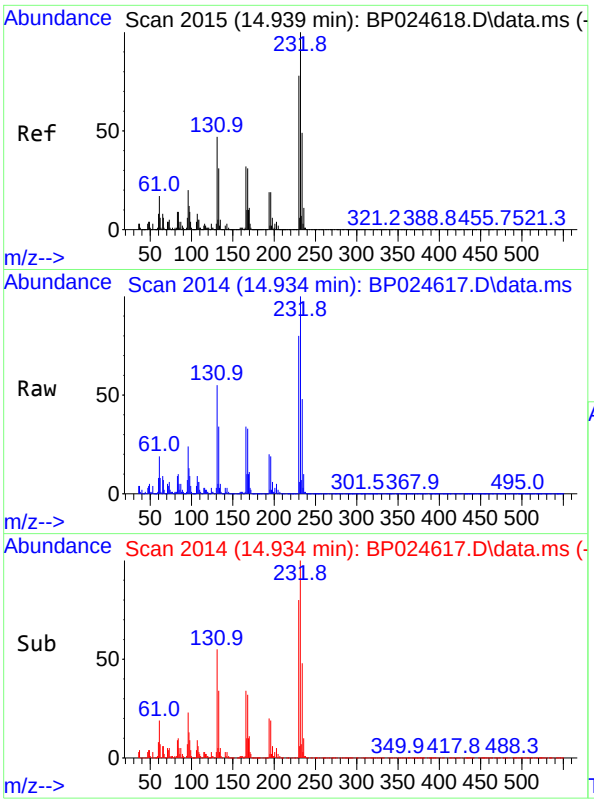


#58
Fluorene
Concen: 20.00 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:166 Resp: 456792

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.5	117.7
167	13.8	10.7	16.1

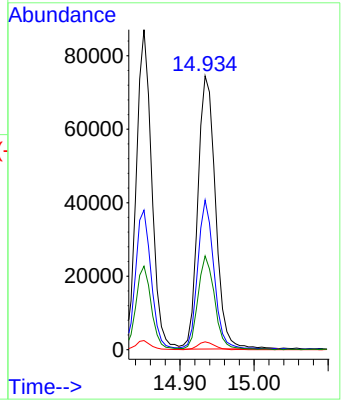




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.59 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:232 Resp: 12326

Ion	Ratio	Lower	Upper
232	100		
131	50.2	39.5	59.3
130	2.7	2.2	3.4
166	32.0	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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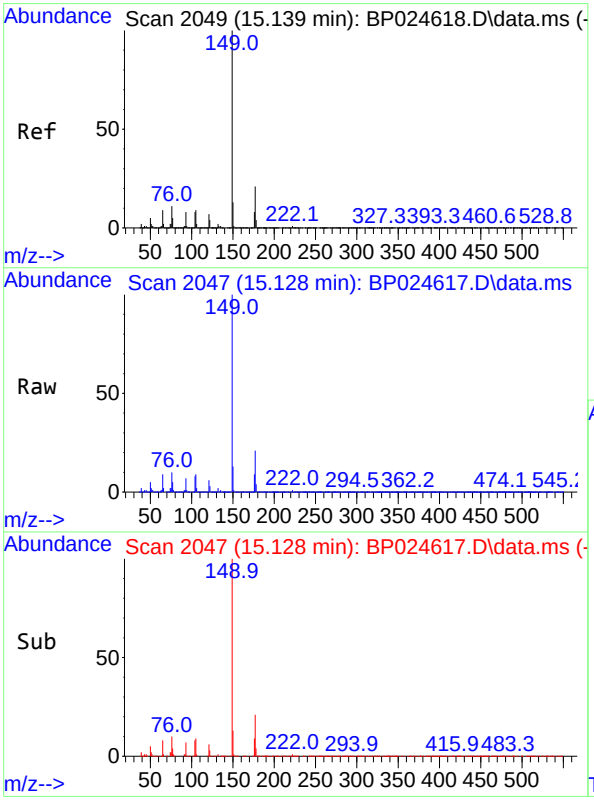
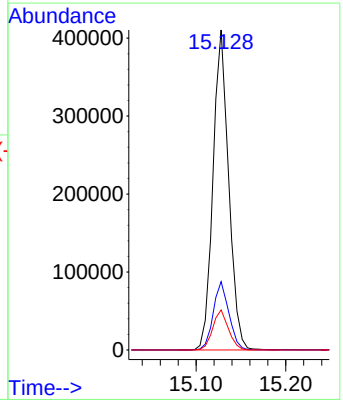
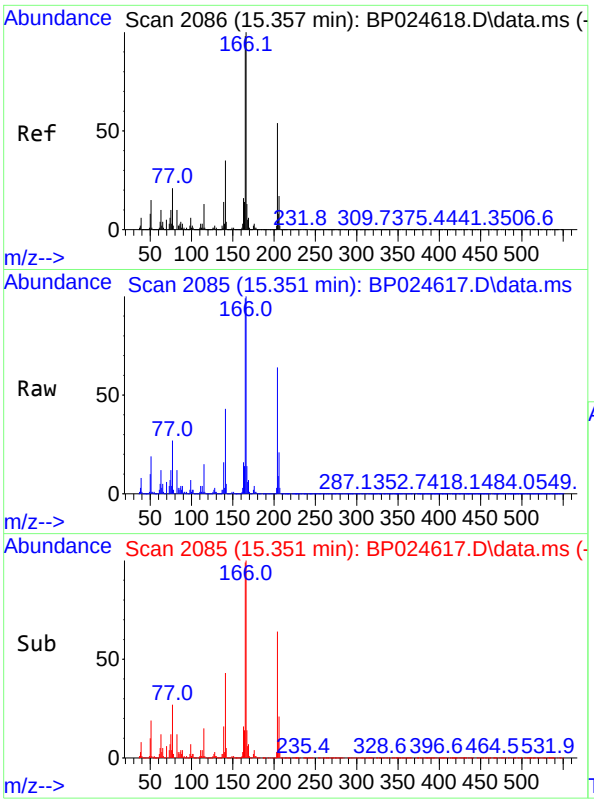


#60
Diethylphthalate
Concen: 19.95 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 497916

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.5	10.2	15.2

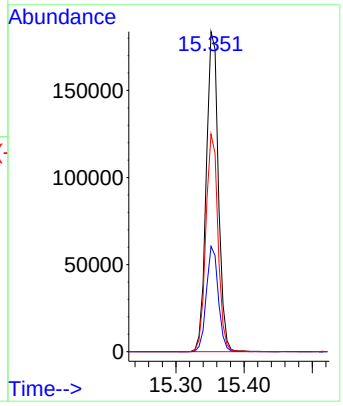




#61
4-Chlorophenyl-phenylether
Concen: 19.91 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:204 Resp: 22679

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	68.0	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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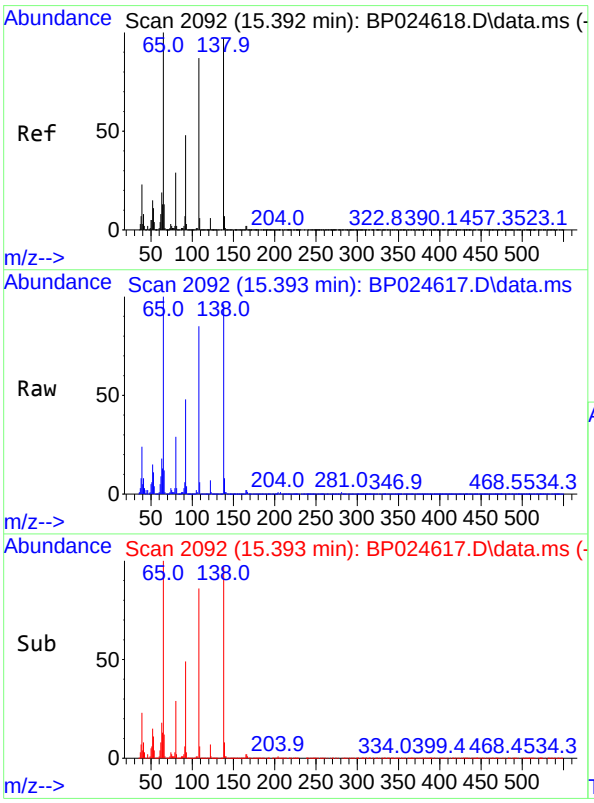
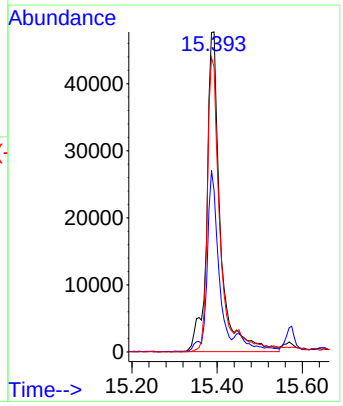
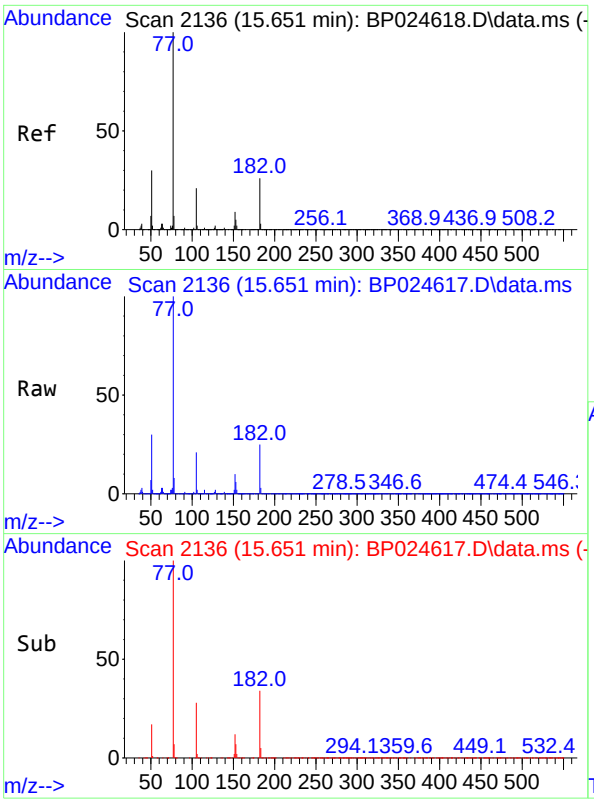


#62
4-Nitroaniline
Concen: 20.37 ng
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 105617

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.2	69.2
108	89.0	69.0	109.0

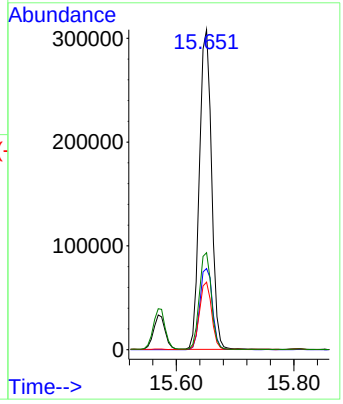




#63
Azobenzene
Concen: 20.57 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 43918

Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.7	45.7
105	21.1	1.3	41.3
51	30.3	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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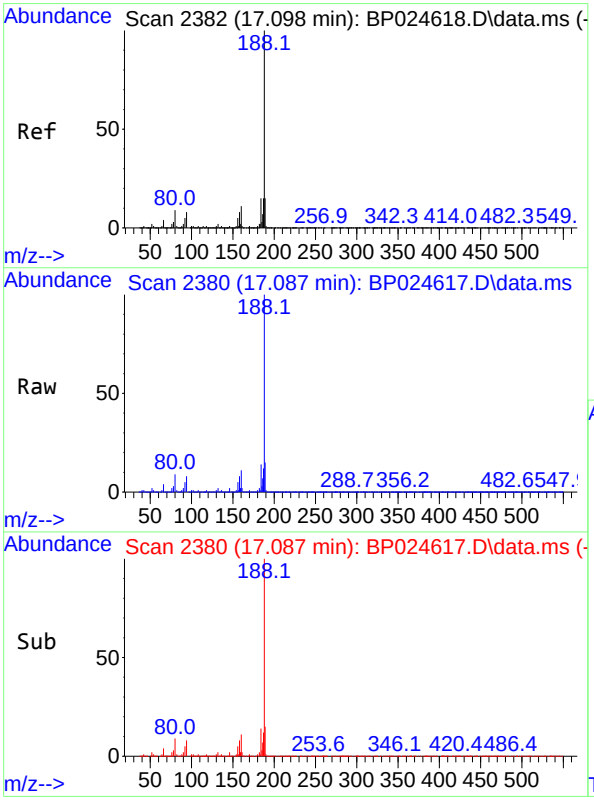
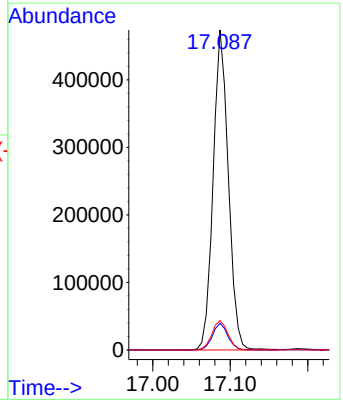
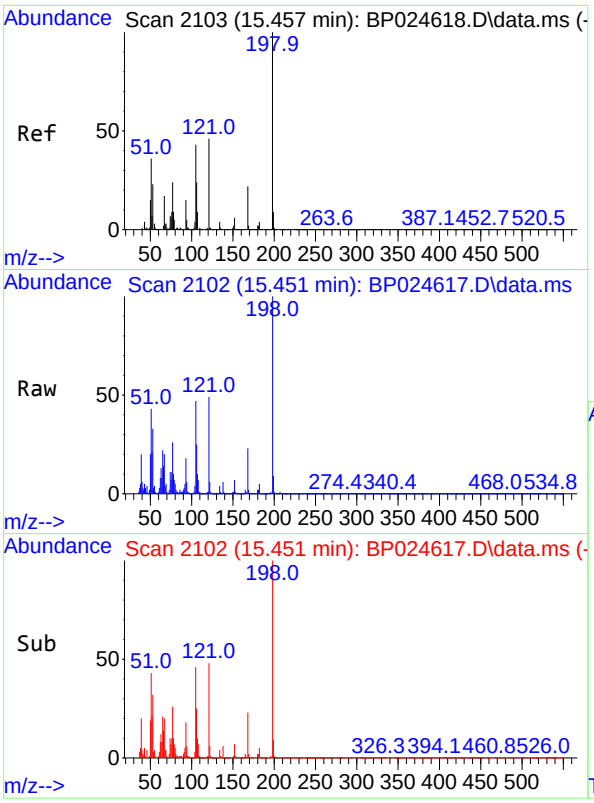


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:188 Resp: 644367

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.5	9.7
80	9.2	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 18.53 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:198 Resp: 7713

Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	46.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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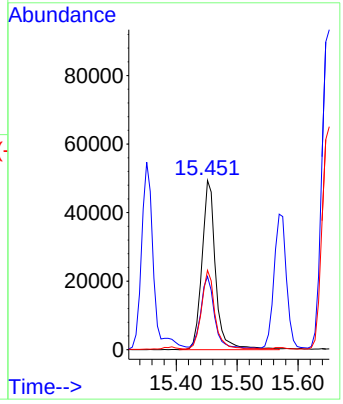
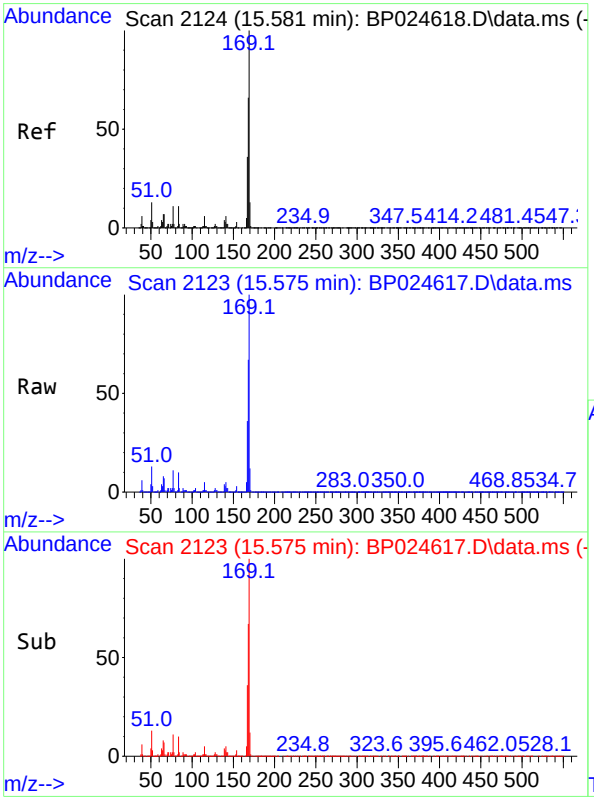
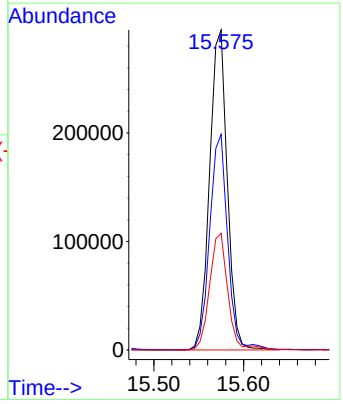


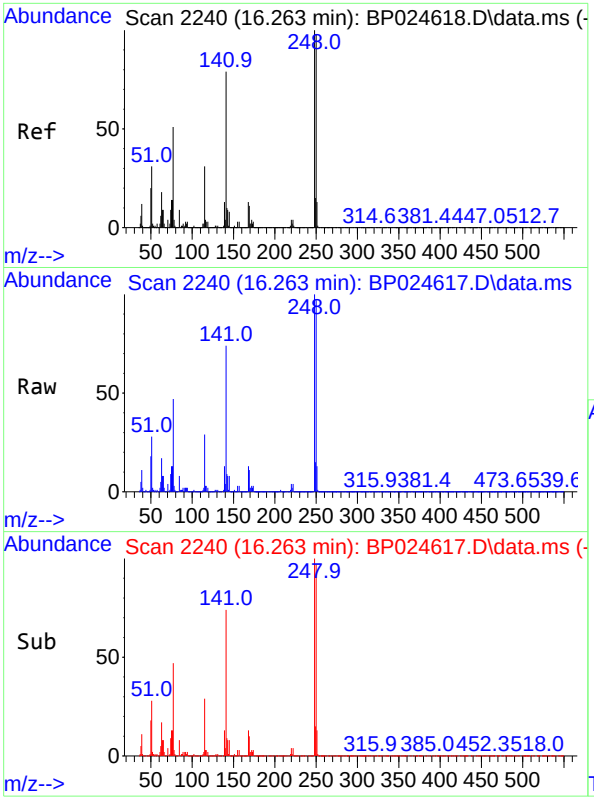


#66
n-Nitrosodiphenylamine
Concen: 20.42 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:169 Resp: 404085

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.2	79.8
167	36.5	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 20.07 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 15239

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	74.2	63.0	94.6

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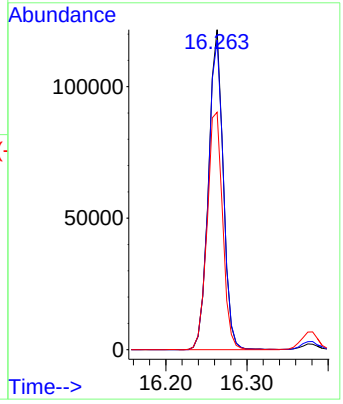
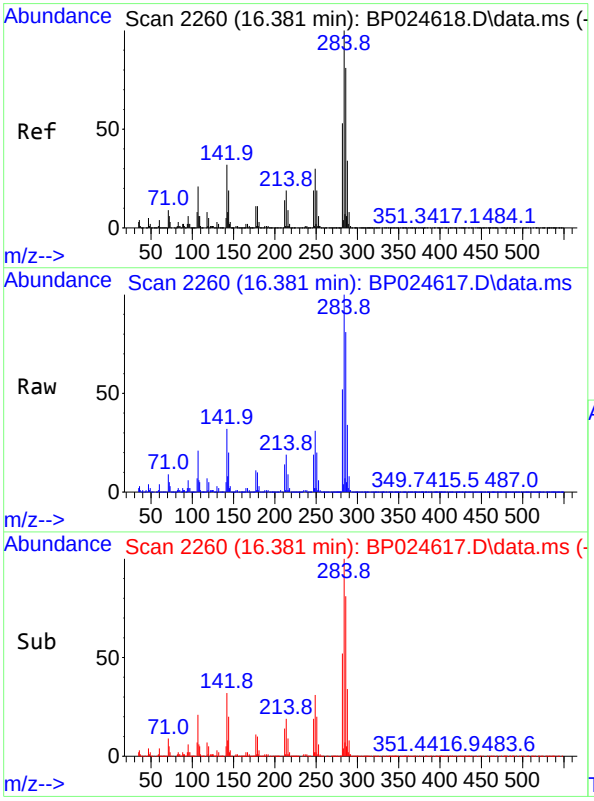
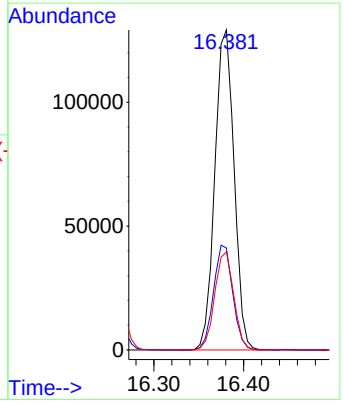


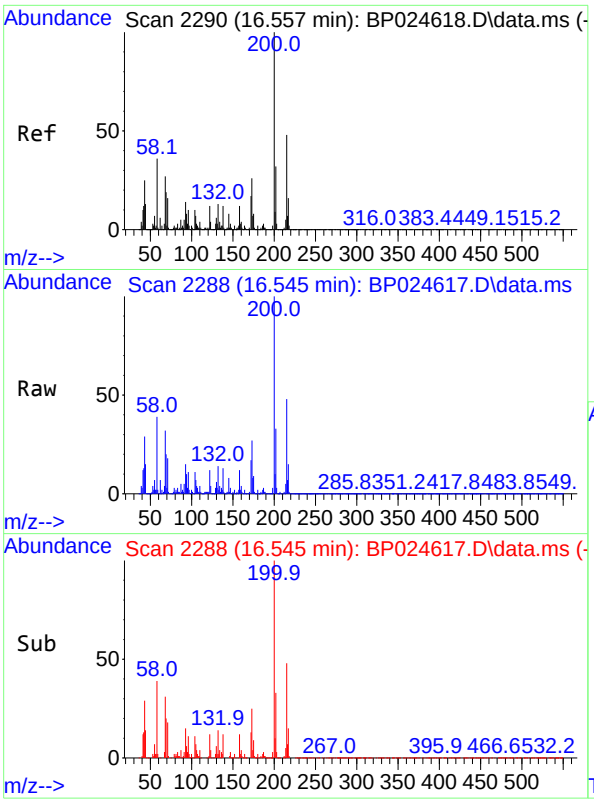


#68
Hexachlorobenzene
Concen: 19.93 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:284 Resp: 192290

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.9	38.9
249	30.7	24.1	36.1

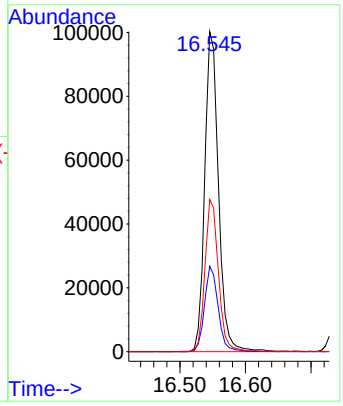




#69
Atrazine
Concen: 20.19 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:200 Resp: 14646

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	47.5	28.3	68.3



Instrument :
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ClientSampleId :
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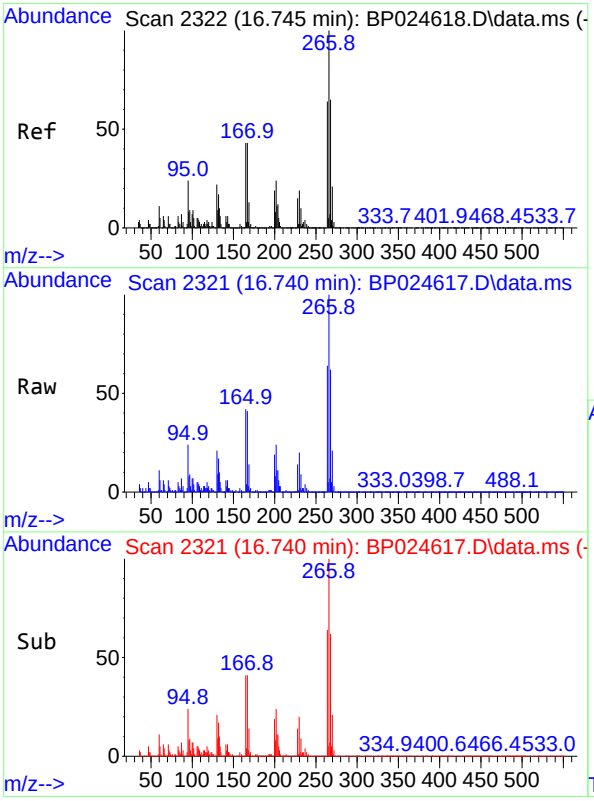
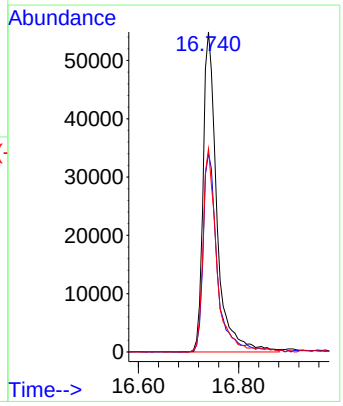
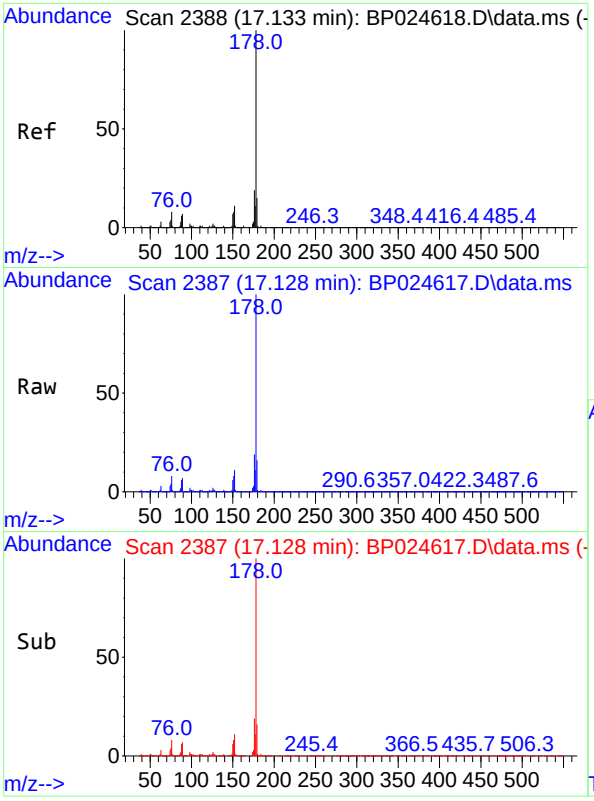


#70
Pentachlorophenol
Concen: 19.36 ng
RT: 16.740 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:266 Resp: 104916

Ion	Ratio	Lower	Upper
266	100		
268	62.1	52.2	78.4
264	63.5	51.1	76.7

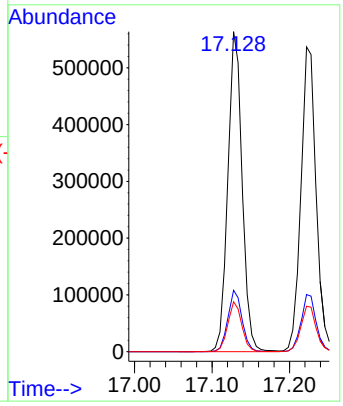




#71
Phenanthrene
Concen: 20.24 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 72492

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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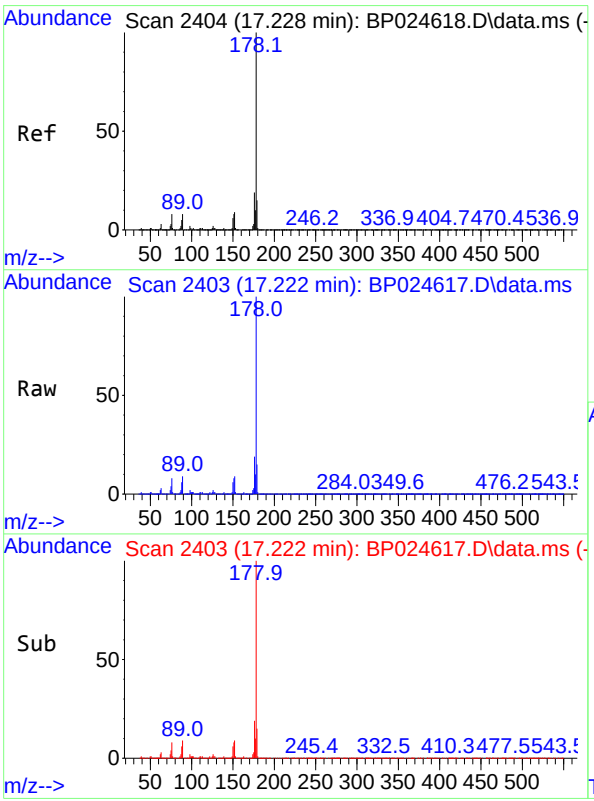
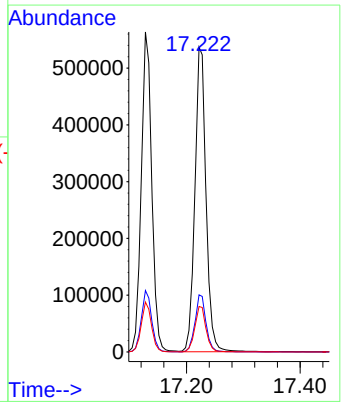
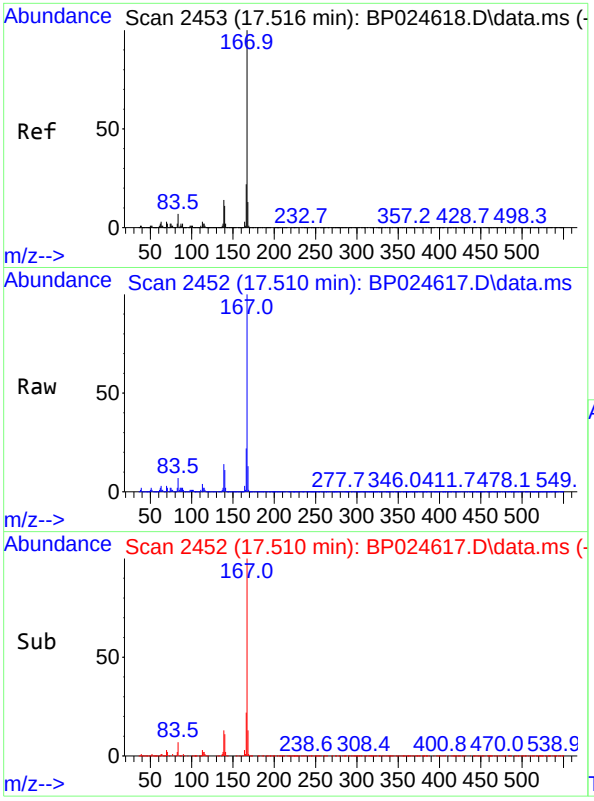


#72
Anthracene
Concen: 20.42 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 735787

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.9	12.2	18.2

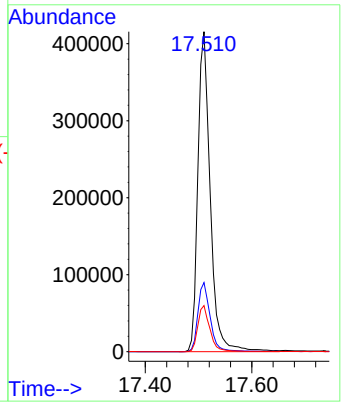




#73
Carbazole
Concen: 20.53 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:167 Resp: 66973

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.7	26.5
139	14.4	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
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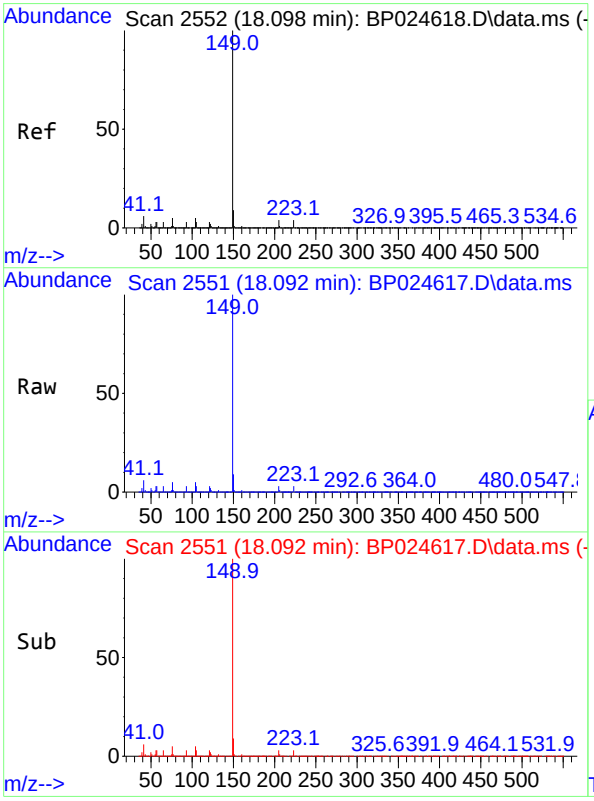
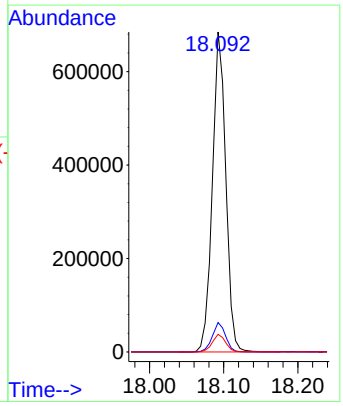
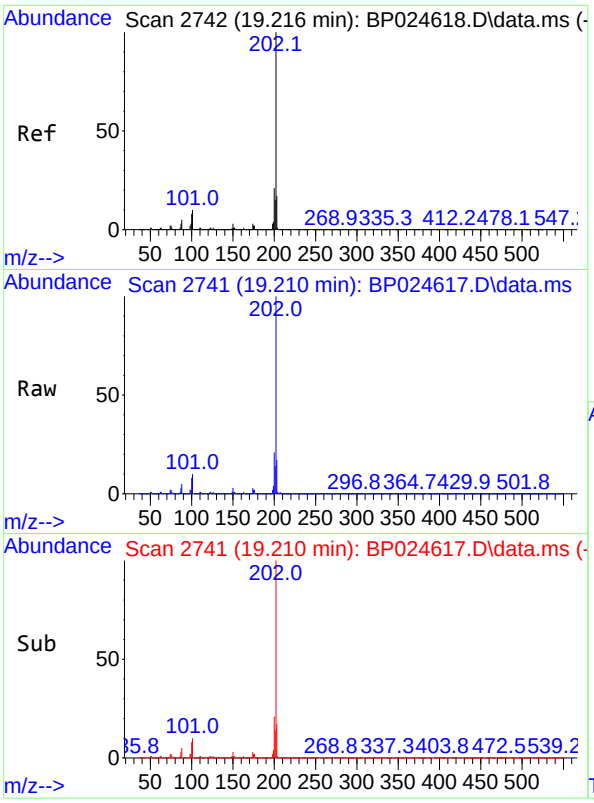


#74
Di-n-butylphthalate
Concen: 20.46 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 858522

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.5	4.3	6.5





#75
Fluoranthene
Concen: 20.22 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 84668

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.3
203	17.3	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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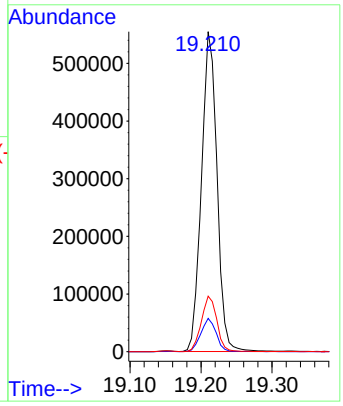
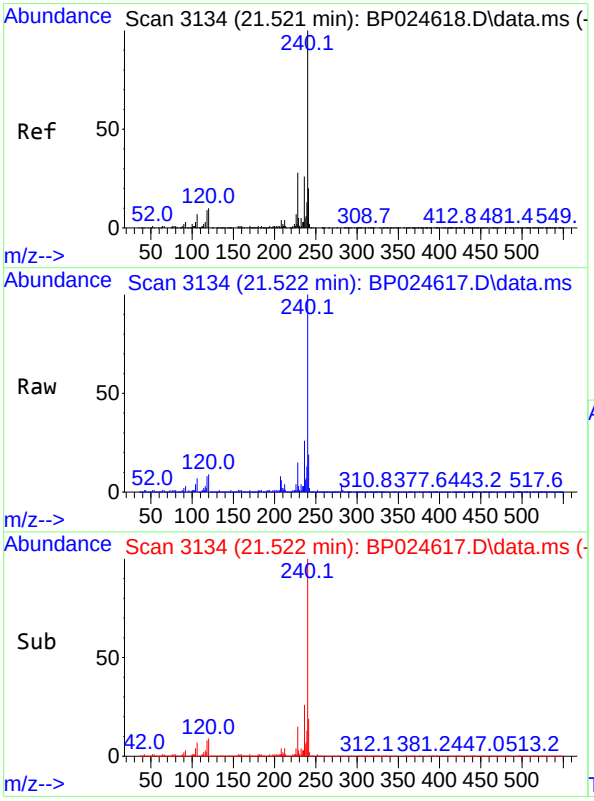
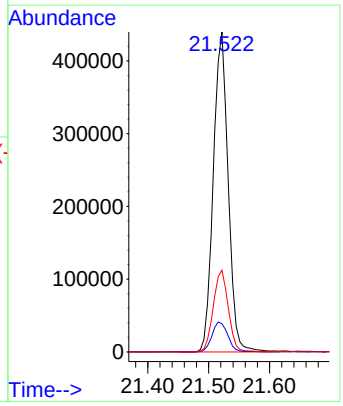


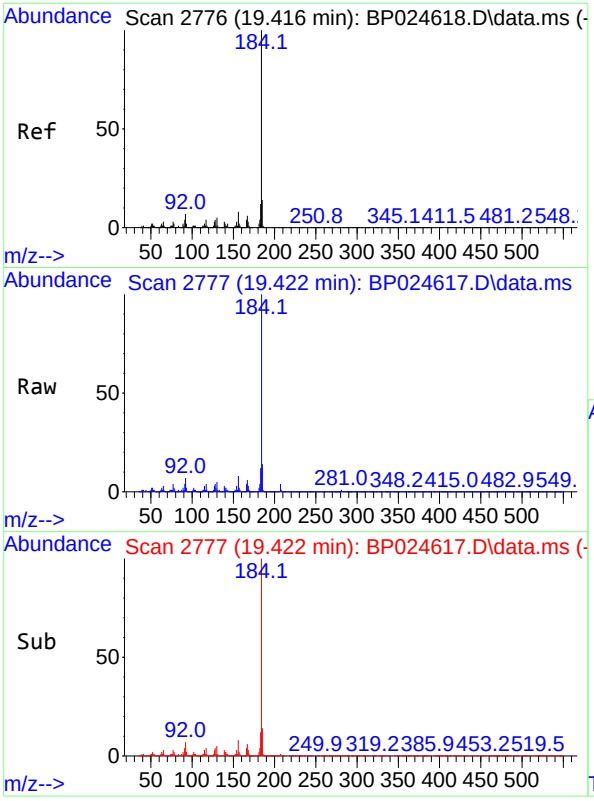


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:240 Resp: 745224

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.5	20.6	31.0





#77
Benzidine
Concen: 19.79 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 40489

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.2	16.8
183	11.8	9.8	14.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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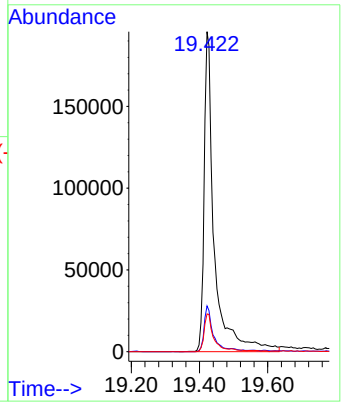
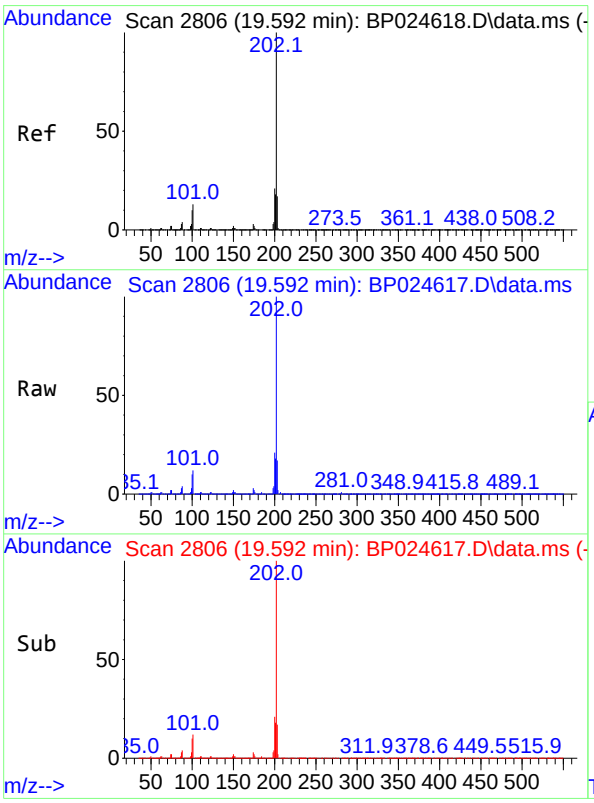
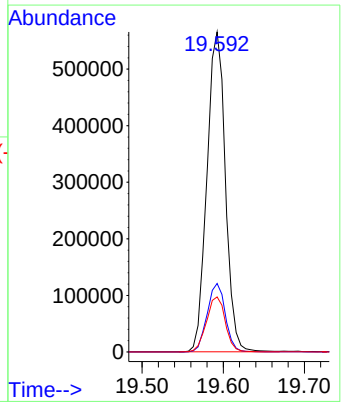


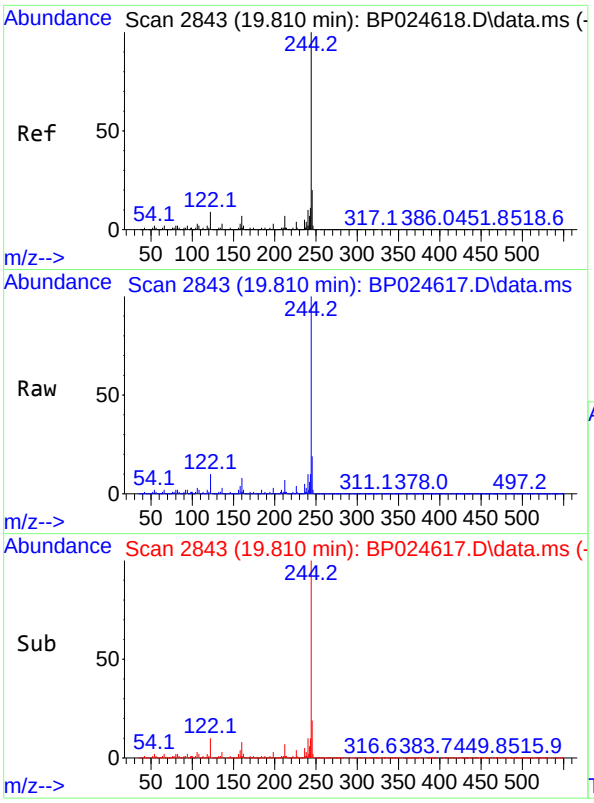


#78
Pyrene
Concen: 19.98 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 892037

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.2	13.9	20.9

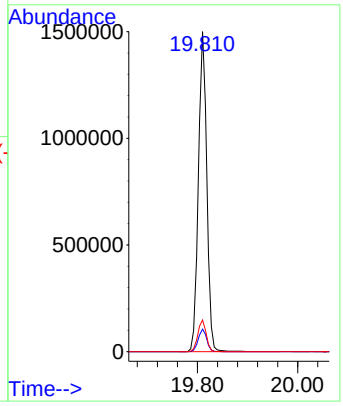




#79
Terphenyl-d14
Concen: 39.96 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:244 Resp: 173687

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.9	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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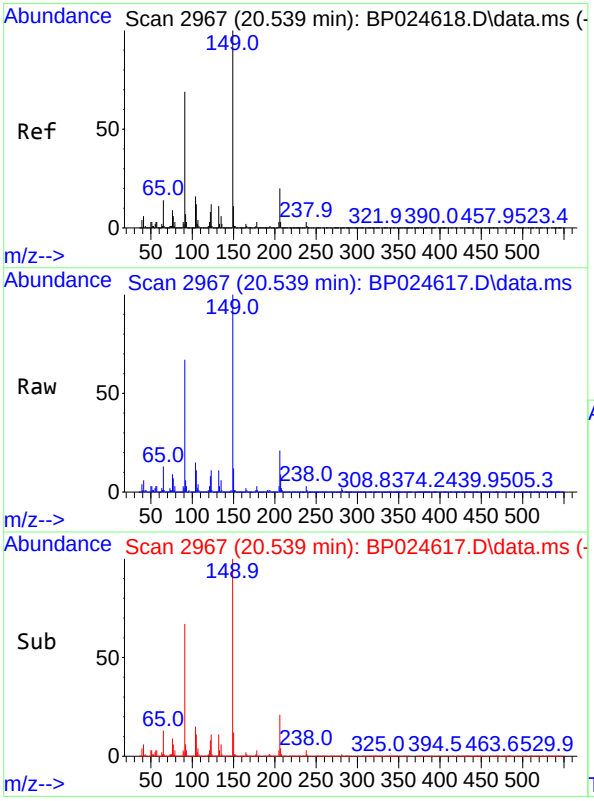
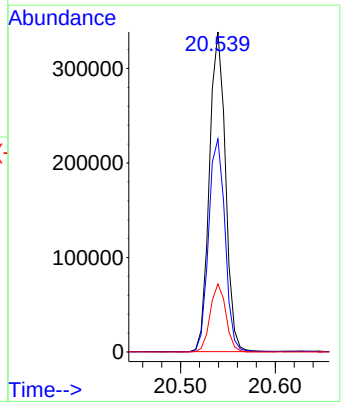
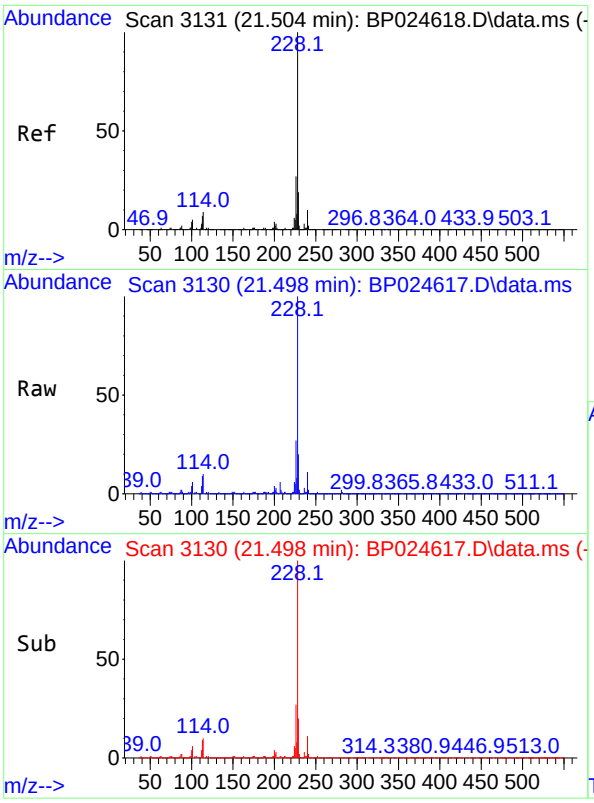


#80
Butylbenzylphthalate
Concen: 20.14 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 400050

Ion	Ratio	Lower	Upper
149	100		
91	66.6	55.4	83.0
206	21.3	16.2	24.2

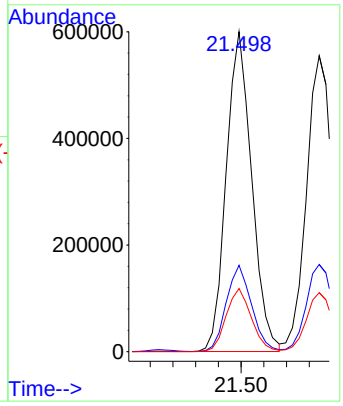




#81
Benzo(a)anthracene
Concen: 19.95 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 93361

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.0
229	19.7	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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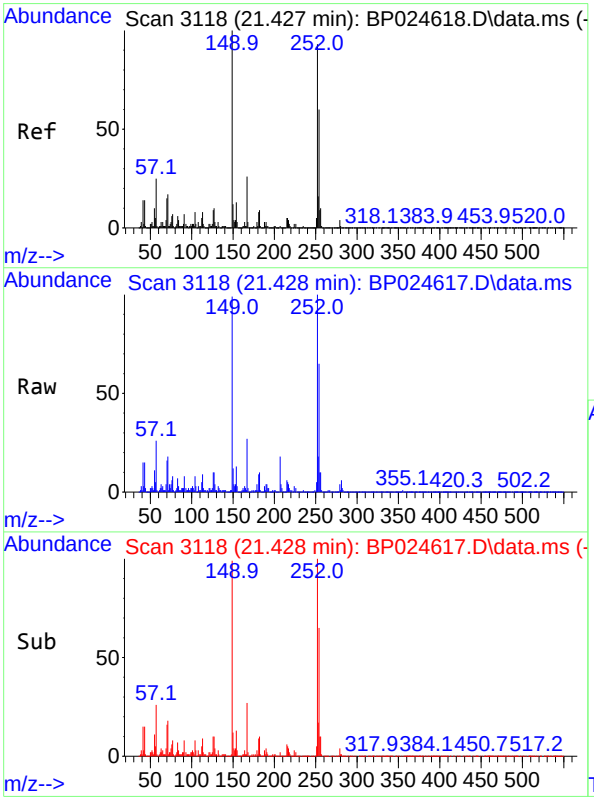
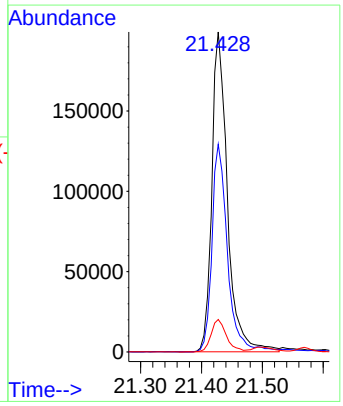
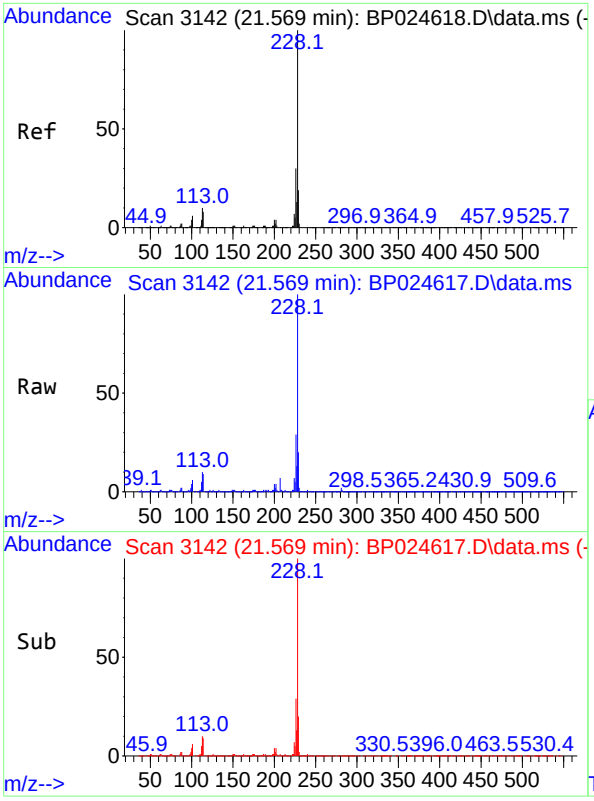


#82
3,3'-Dichlorobenzidine
Concen: 20.31 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 353000

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	10.1	7.7	11.5

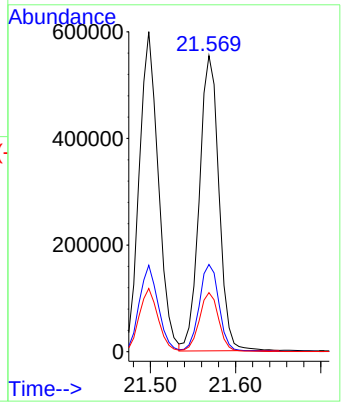




#83
Chrysene
Concen: 19.91 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 88300

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	20.0	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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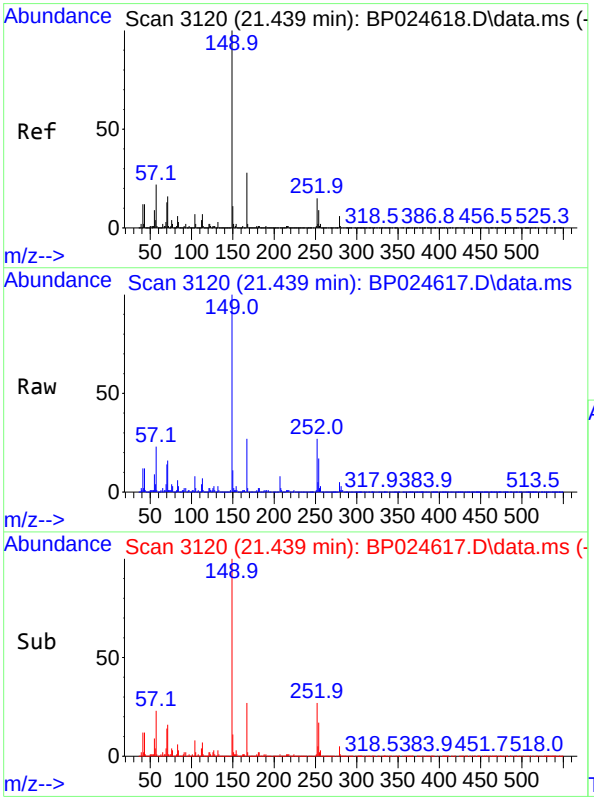
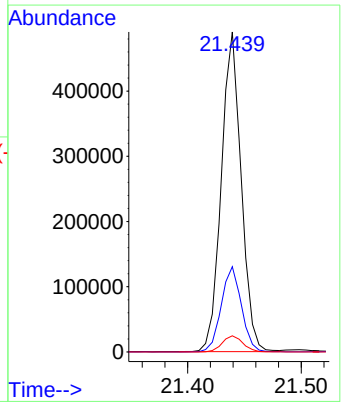
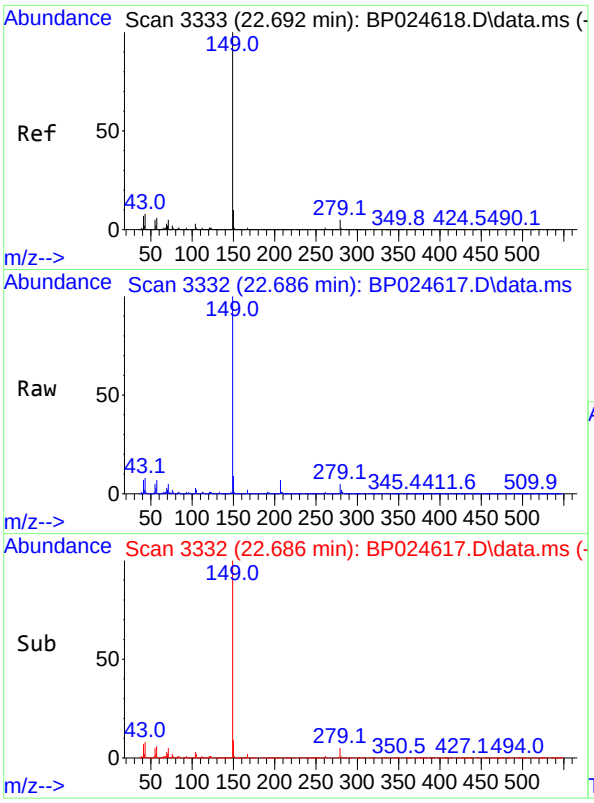


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.45 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 597012

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.1	33.1
279	5.0	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 19.85 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

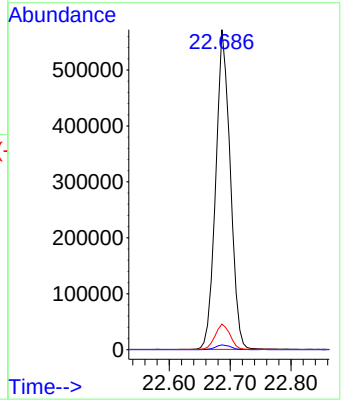
Tgt Ion:149 Resp: 94757

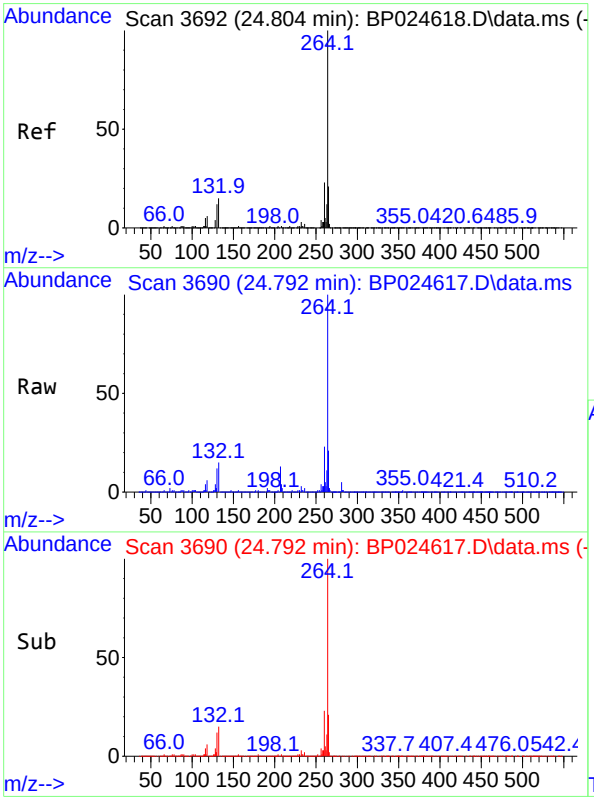
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.3	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

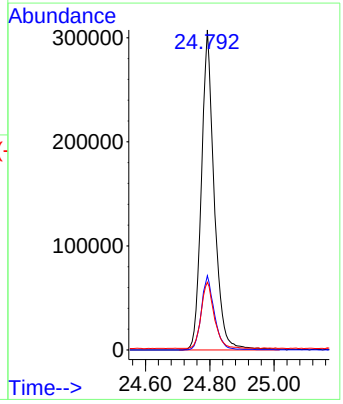


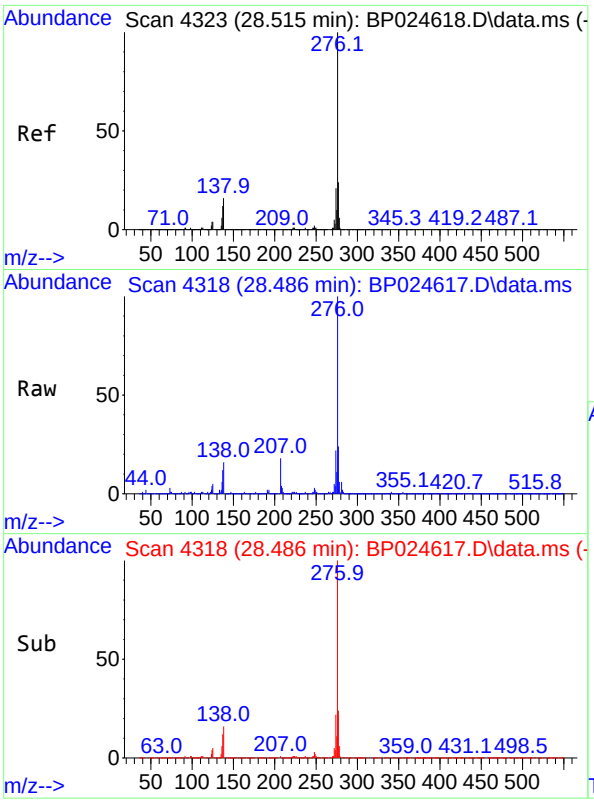


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:264 Resp: 850264

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	17.0	25.6

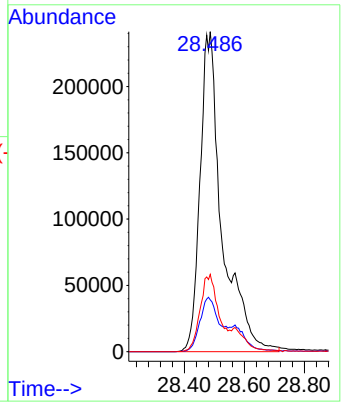




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.81 ng m
RT: 28.486 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 123012

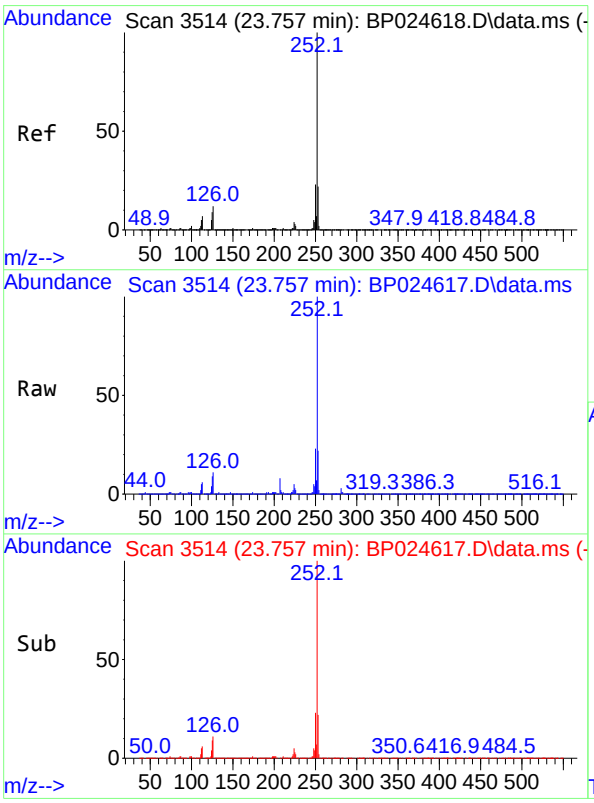
Ion	Ratio	Lower	Upper
276	100		
138	15.2	11.2	16.8
277	20.9	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

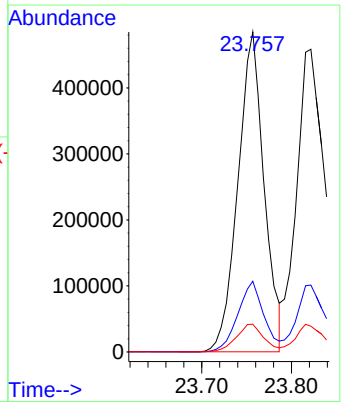
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

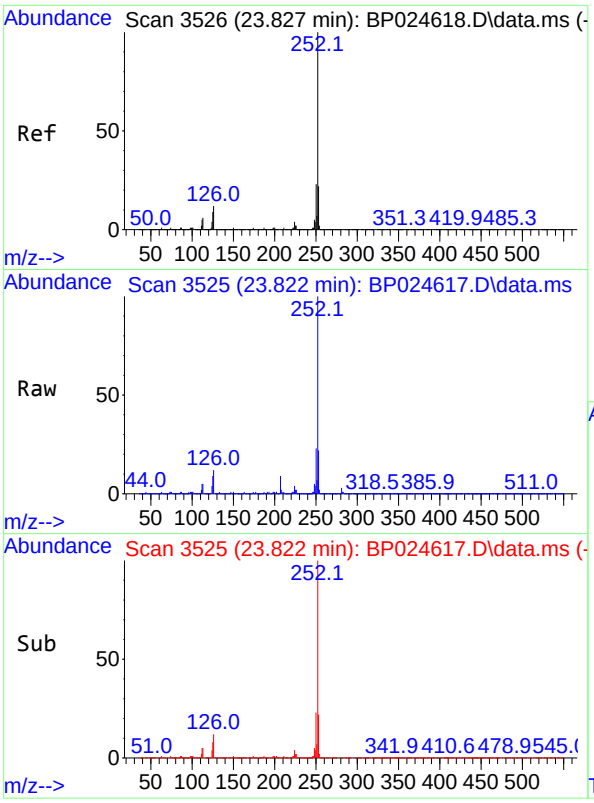


#88
Benzo(b)fluoranthene
Concen: 20.13 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 979873

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.7	7.5	11.3

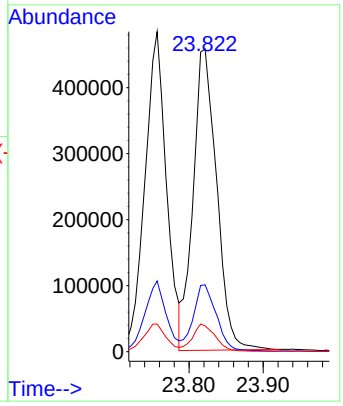




#89
Benzo(k)fluoranthene
Concen: 20.05 ng
RT: 23.822 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 100534

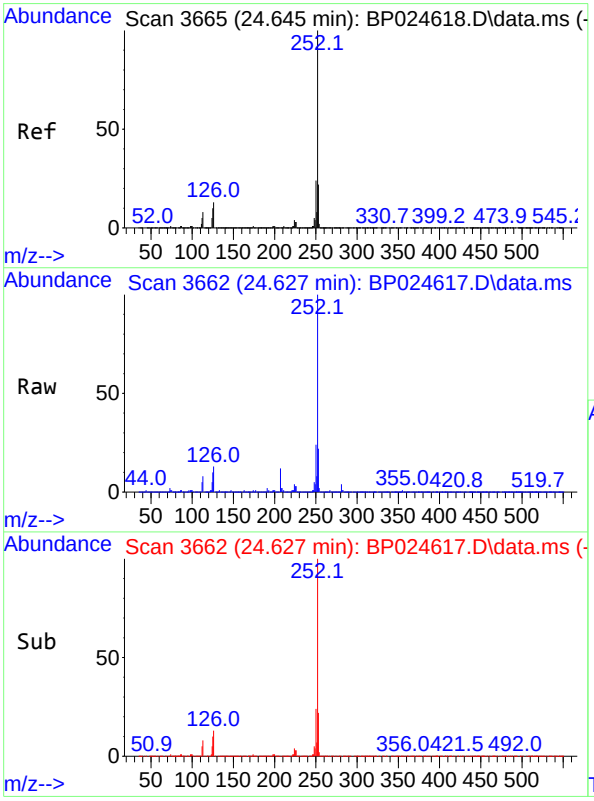
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

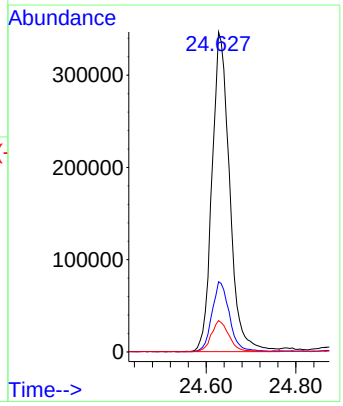
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

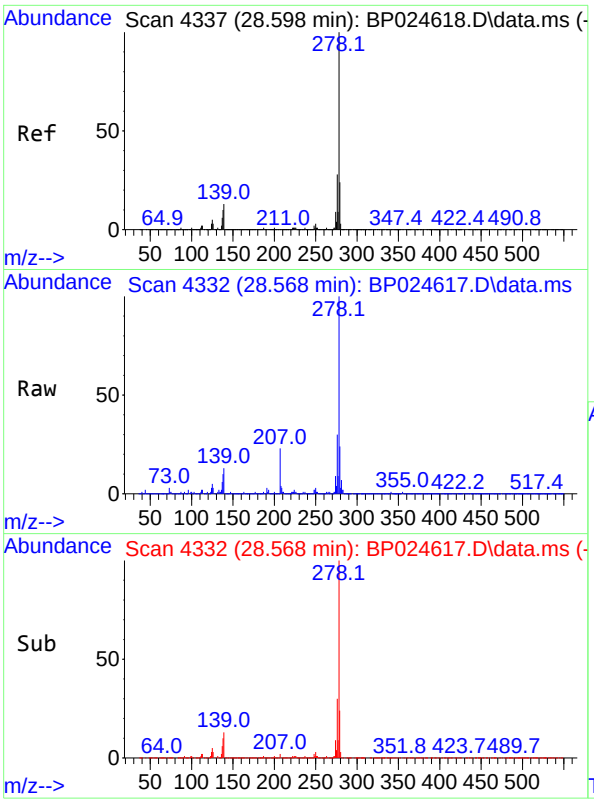


#90
Benzo(a)pyrene
Concen: 20.23 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.017 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 945764

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.8	8.1	12.1

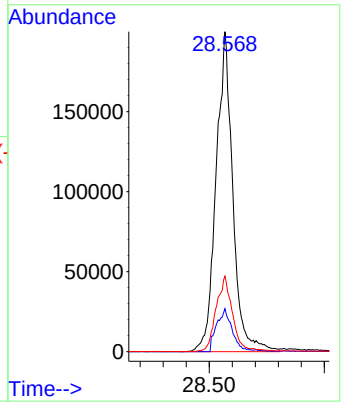




#91
Dibenzo(a,h)anthracene
Concen: 19.97 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:278 Resp: 100828

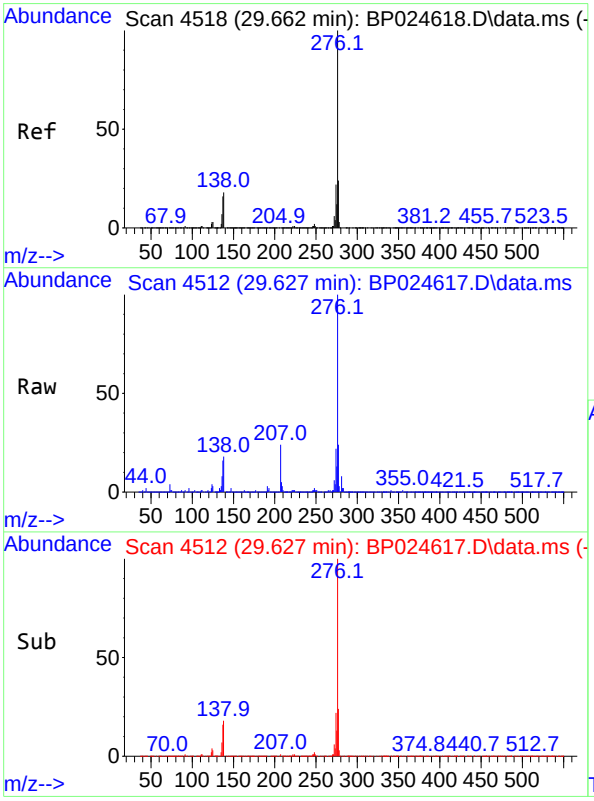
Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.2	15.4
279	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

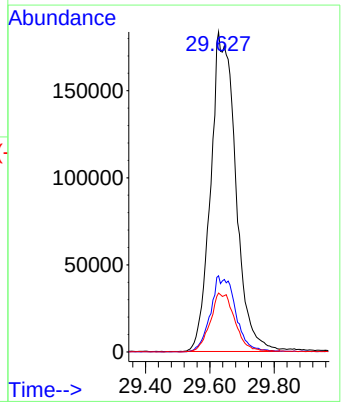
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 19.75 ng
RT: 29.627 min Scan# 4512
Delta R.T. -0.035 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 991852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	18.4	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	120950	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	540452	20.00	ng	0.00
39) Acenaphthene-d10	14.304	164	362458	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	717362	20.00	ng	0.00
76) Chrysene-d12	21.521	240	810498	20.00	ng	0.00
86) Perylene-d12	24.804	264	929890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	534477	75.58	ng	0.00
7) Phenol-d6	6.852	99	712342	78.93	ng	0.00
23) Nitrobenzene-d5	8.810	82	826567	77.28	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	467808	76.13	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2076354	75.05	ng	0.00
79) Terphenyl-d14	19.810	244	3647961	77.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	122181	36.79	ng	100
3) Pyridine	3.622	79	289809	39.36	ng	100
4) n-Nitrosodimethylamine	3.534	42	125087	38.48	ng	100
6) Aniline	7.005	93	463675	39.79	ng	100
8) 2-Chlorophenol	7.240	128	315079	39.25	ng	100
9) Benzaldehyde	6.822	77	231076m	39.62	ng	
10) Phenol	6.881	94	364948	39.18	ng	100
11) bis(2-Chloroethyl)ether	7.099	93	293331	38.32	ng	100
12) 1,3-Dichlorobenzene	7.552	146	348242	37.71	ng	100
13) 1,4-Dichlorobenzene	7.699	146	355533	38.27	ng	100
14) 1,2-Dichlorobenzene	8.010	146	344980	38.11	ng	100
15) Benzyl Alcohol	7.905	79	277892	40.52	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.187	45	354872	38.71	ng	100
17) 2-Methylphenol	8.110	107	265962	39.81	ng	100
18) Hexachloroethane	8.728	117	133224	37.43	ng	100
19) n-Nitroso-di-n-propyla...	8.457	70	253553	40.61	ng	100
20) 3+4-Methylphenols	8.434	107	366564	40.33	ng	100
22) Acetophenone	8.475	105	521603	38.64	ng	100
24) Nitrobenzene	8.852	77	363767	38.65	ng	100
25) Isophorone	9.375	82	727081	39.19	ng	100
26) 2-Nitrophenol	9.563	139	185587	40.24	ng	100
27) 2,4-Dimethylphenol	9.628	122	322227	39.62	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	430958	38.88	ng	100
29) 2,4-Dichlorophenol	10.093	162	314830	39.95	ng	100
30) 1,2,4-Trichlorobenzene	10.299	180	330659	37.23	ng	100
31) Naphthalene	10.481	128	1059316	37.82	ng	100
32) Benzoic acid	9.775	122	206829m	38.01	ng	
33) 4-Chloroaniline	10.599	127	452150	40.01	ng	100
34) Hexachlorobutadiene	10.763	225	213978	37.19	ng	100
35) Caprolactam	11.387	113	118047	41.43	ng	100
36) 4-Chloro-3-methylphenol	11.734	107	385077	40.07	ng	100
37) 2-Methylnaphthalene	12.093	142	692133	38.17	ng	100
38) 1-Methylnaphthalene	12.316	142	745849	38.44	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	398230	37.84	ng	100
41) Hexachlorocyclopentadiene	12.445	237	258329	40.48	ng	100
43) 2,4,6-Trichlorophenol	12.716	196	268675	39.41	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	293079	38.62	ng	100
46) 1,1'-Biphenyl	13.116	154	1002344	37.42	ng	100
47) 2-Chloronaphthalene	13.157	162	771952	37.79	ng	100
48) 2-Nitroaniline	13.375	65	242485	40.10	ng	100
49) Acenaphthylene	14.016	152	1307740	38.26	ng	100
50) Dimethylphthalate	13.757	163	1051056	38.04	ng	100
51) 2,6-Dinitrotoluene	13.881	165	226086	38.75	ng	100
52) Acenaphthene	14.363	154	745335	37.93	ng	100
53) 3-Nitroaniline	14.216	138	246561	41.39	ng	100
54) 2,4-Dinitrophenol	14.428	184	124517	37.54	ng	100
55) Dibenzofuran	14.698	168	1183806	37.77	ng	100
56) 4-Nitrophenol	14.551	139	186112	38.41	ng	100
57) 2,4-Dinitrotoluene	14.681	165	329156	40.02	ng	100
58) Fluorene	15.357	166	968487	37.89	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	274384	38.98	ng	100
60) Diethylphthalate	15.139	149	1046478	37.48	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	475327	37.29	ng	100
62) 4-Nitroaniline	15.392	138	239212	41.24	ng	100
63) Azobenzene	15.651	77	906274	37.94	ng	100
65) 4,6-Dinitro-2-methylph...	15.457	198	184593	39.84	ng	100
66) n-Nitrosodiphenylamine	15.581	169	851188	38.63	ng	100
67) 4-Bromophenyl-phenylether	16.263	248	323558	38.28	ng	100
68) Hexachlorobenzene	16.381	284	403916	37.60	ng	100
69) Atrazine	16.557	200	312226	38.67	ng	100
70) Pentachlorophenol	16.745	266	246828	40.91	ng	100
71) Phenanthrene	17.133	178	1507602	37.80	ng	100
72) Anthracene	17.228	178	1542275	38.44	ng	100
73) Carbazole	17.516	167	1436294	39.55	ng	100
74) Di-n-butylphthalate	18.098	149	1807097	38.69	ng	100
75) Fluoranthene	19.216	202	1794046	38.49	ng	100
77) Benzidine	19.416	184	907109	40.77	ng	100
78) Pyrene	19.592	202	1869519	38.50	ng	100
80) Butylbenzylphthalate	20.539	149	854913	39.58	ng	100
81) Benzo(a)anthracene	21.504	228	1957632	38.47	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	773866	40.94	ng	100
83) Chrysene	21.569	228	1833959	38.01	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1240956	39.09	ng	100
85) Di-n-octyl phthalate	22.692	149	2074694	39.97	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2648648	39.00	ng	100
88) Benzo(b)fluoranthene	23.757	252	2050806	38.53	ng	100
89) Benzo(k)fluoranthene	23.827	252	2120721	38.67	ng	100
90) Benzo(a)pyrene	24.645	252	1979017	38.71	ng	100
91) Dibenzo(a,h)anthracene	28.598	278	2170712	39.30	ng	100
92) Benzo(g,h,i)perylene	29.662	276	2132921	38.84	ng	100

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

ICAL Form

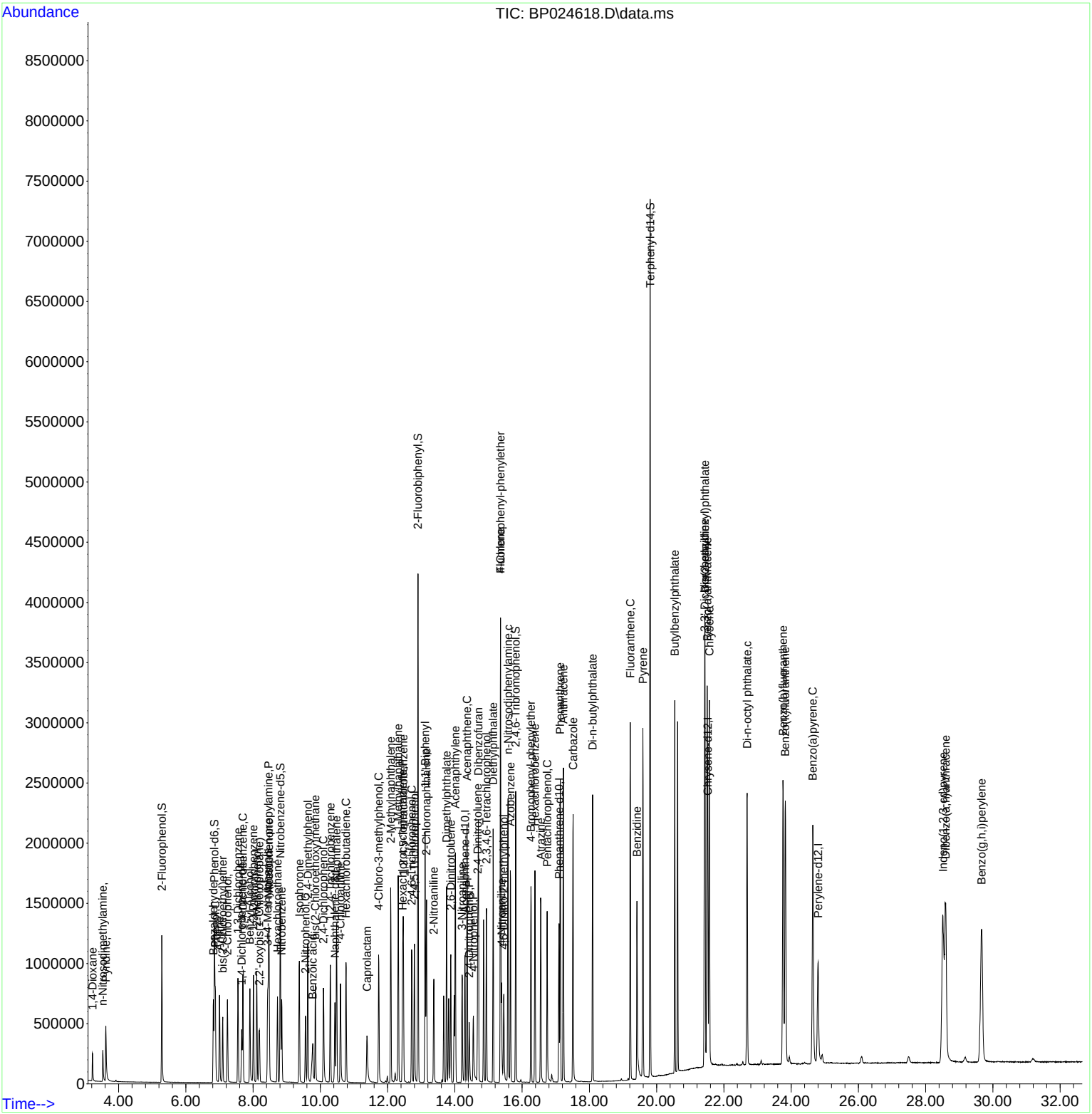
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

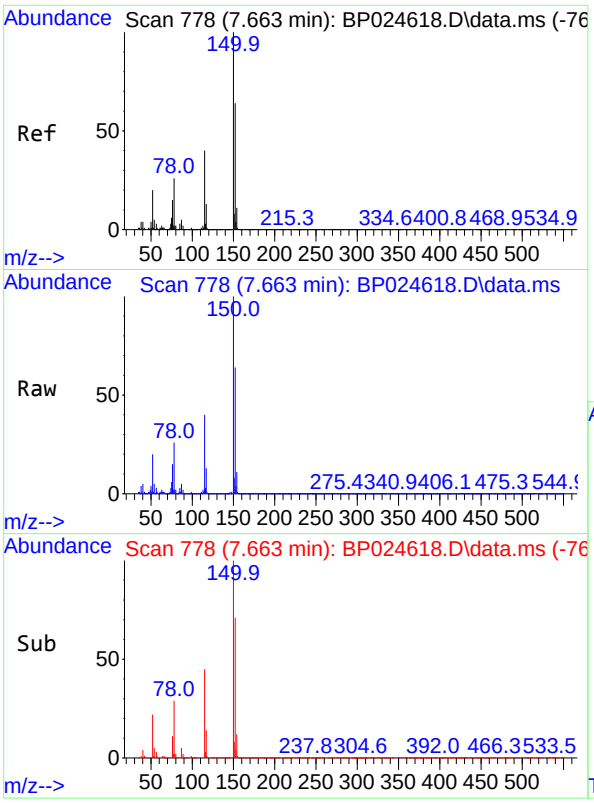
Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

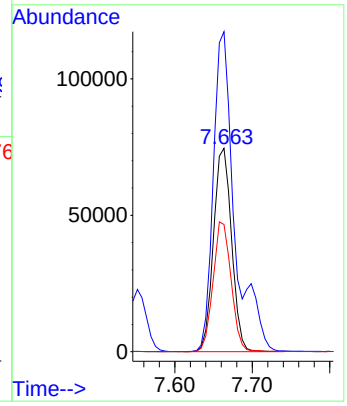




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 12095

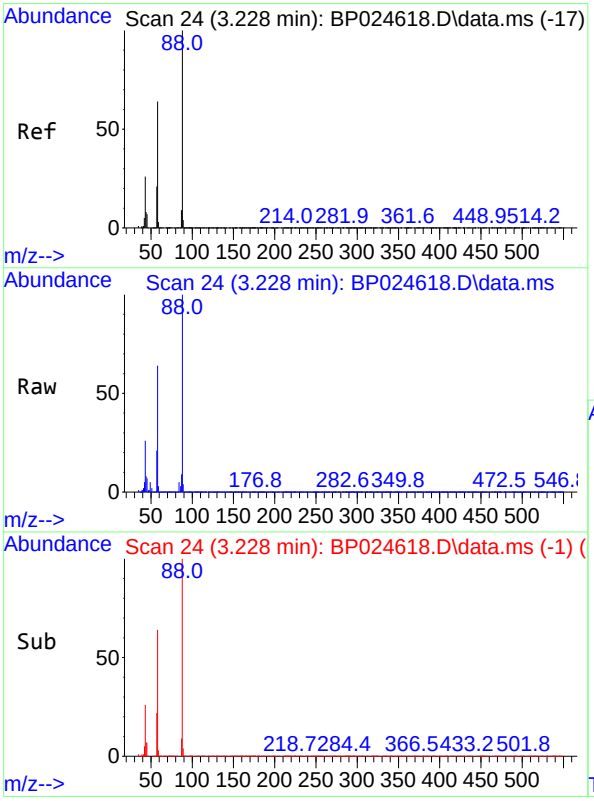
Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

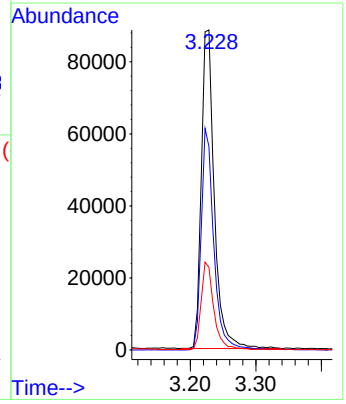
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

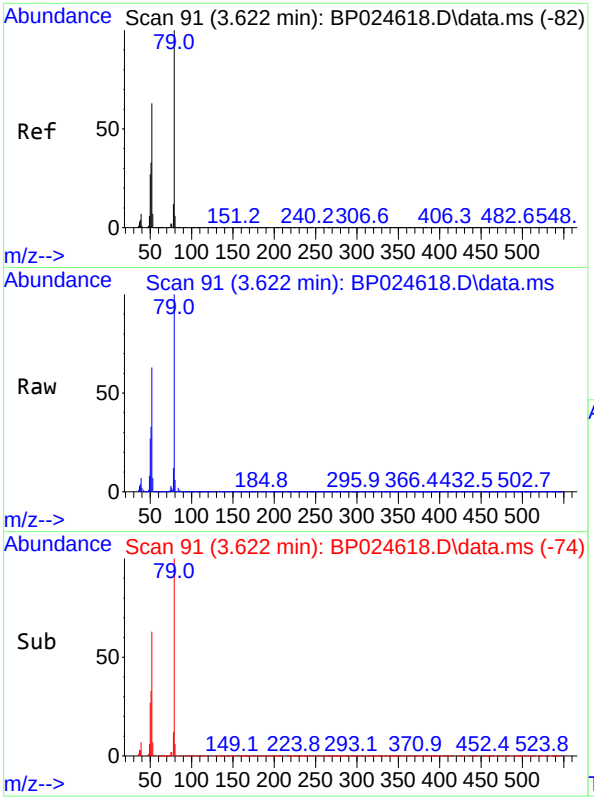


#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 88 Resp: 122181

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.7	21.4	32.0

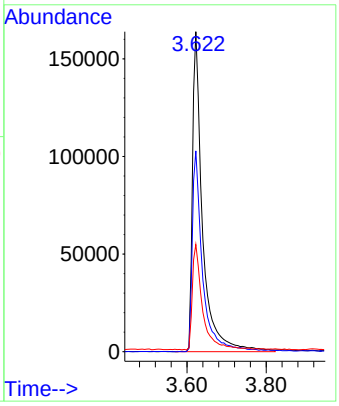




#3
Pyridine
Concen: 39.36 ng
RT: 3.622 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 28980

Ion	Ratio	Lower	Upper
79	100		
52	62.7	50.2	75.2
51	33.5	26.8	40.2



Instrument :
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ClientSampleId :
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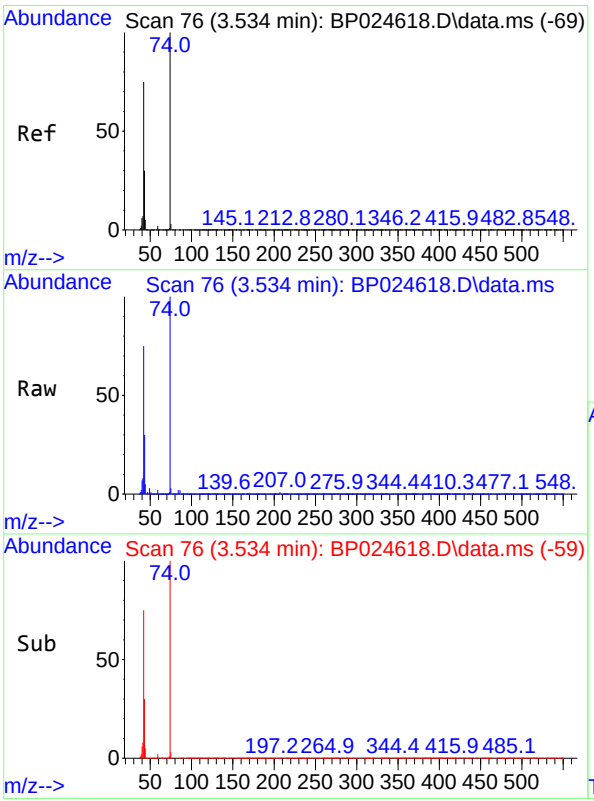
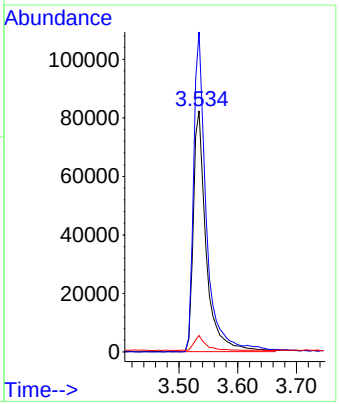
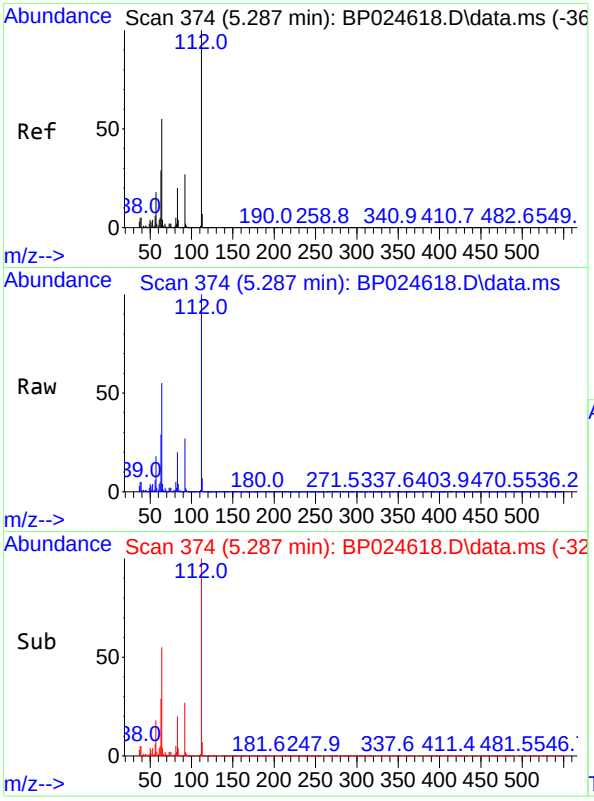


#4
n-Nitrosodimethylamine
Concen: 38.48 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 42 Resp: 125087

Ion	Ratio	Lower	Upper
42	100		
74	132.7	106.2	159.2
44	6.8	5.4	8.2

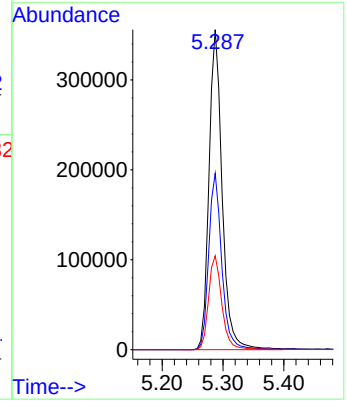




#5
2-Fluorophenol
Concen: 75.58 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:112 Resp: 53447

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.4	23.5	35.3



Instrument :
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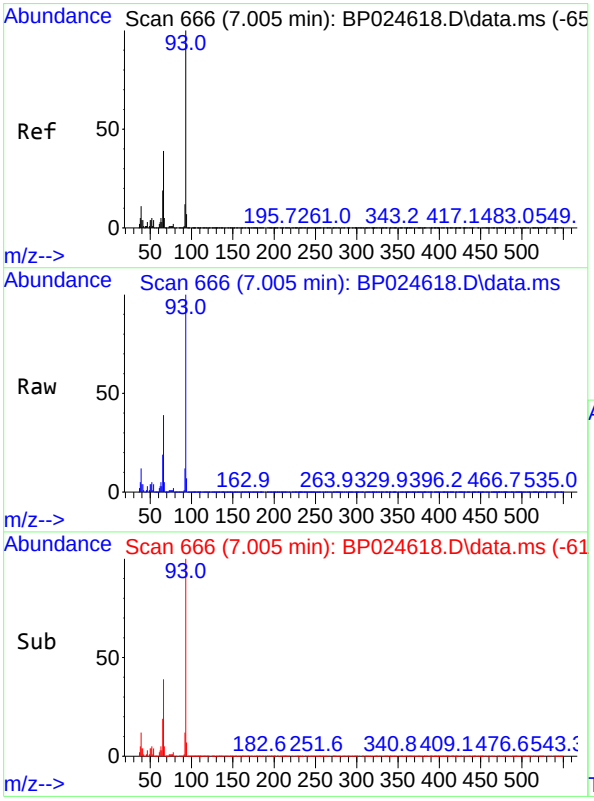
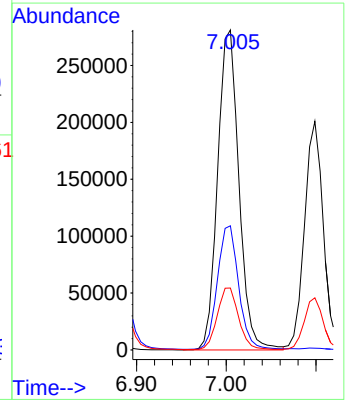
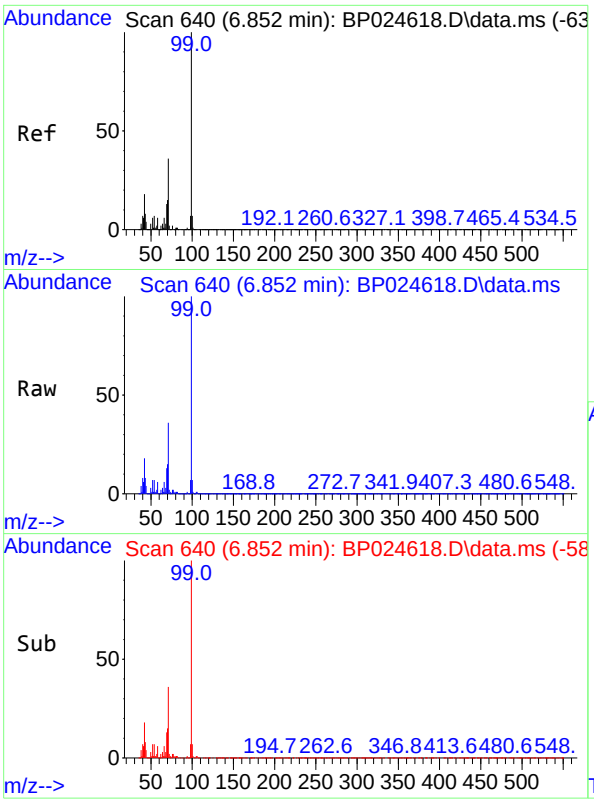


#6
Aniline
Concen: 39.79 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 463675

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.4	15.5	23.3

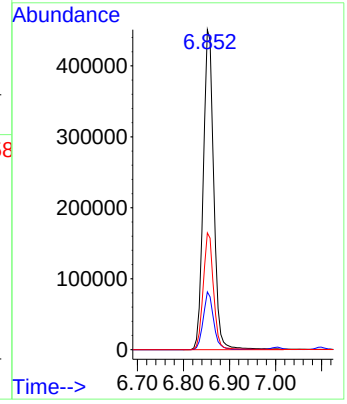




#7
Phenol-d6
Concen: 78.93 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 99 Resp: 71234

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.4	21.6
71	36.5	29.2	43.8



Instrument :
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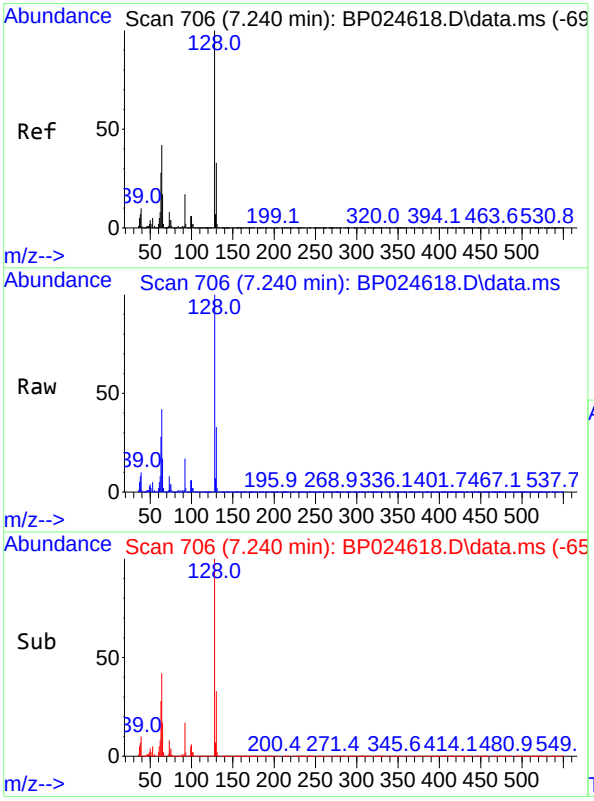
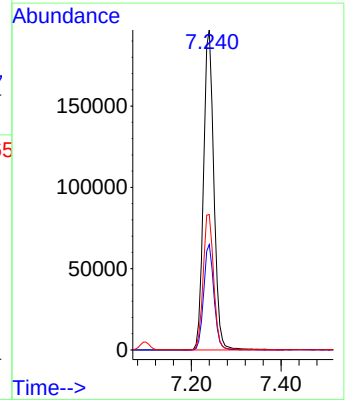
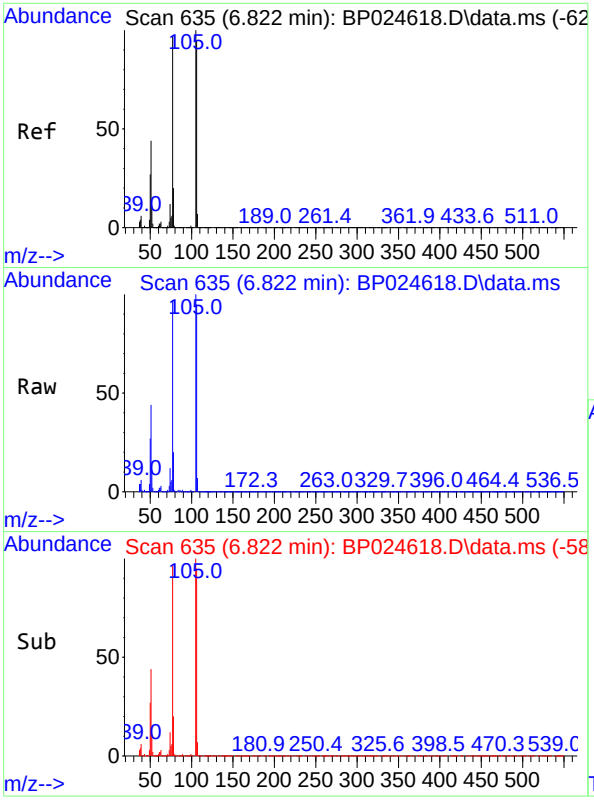


#8
2-Chlorophenol
Concen: 39.25 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 315079

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.0	53.0
64	42.3	22.3	62.3

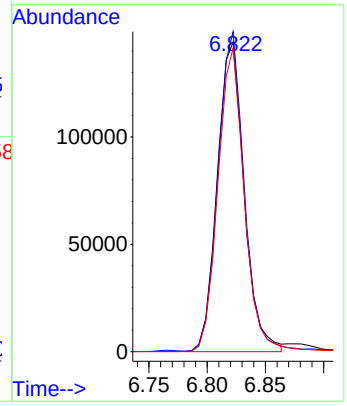




#9
Benzaldehyde
Concen: 39.62 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 23107

Ion	Ratio	Lower	Upper
77	100		
105	103.3	83.3	123.3
106	98.0	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
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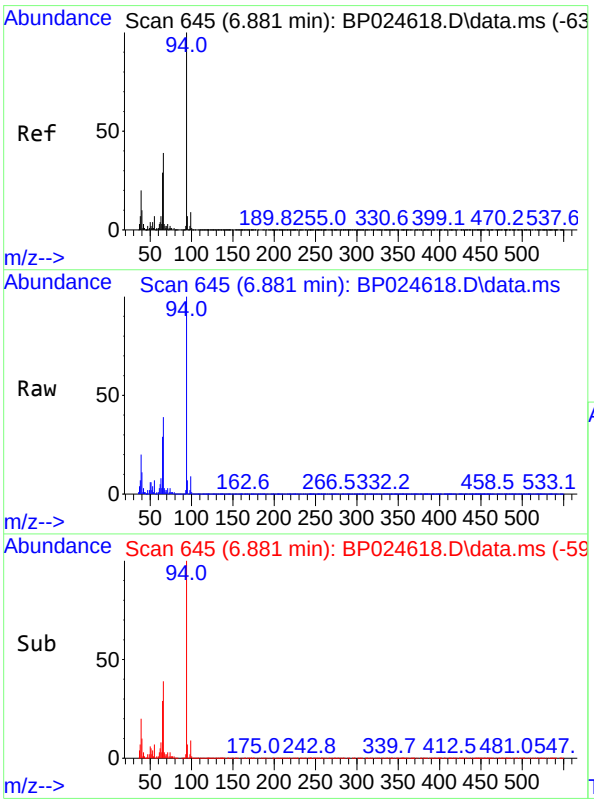
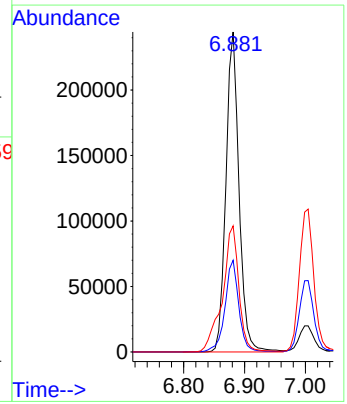
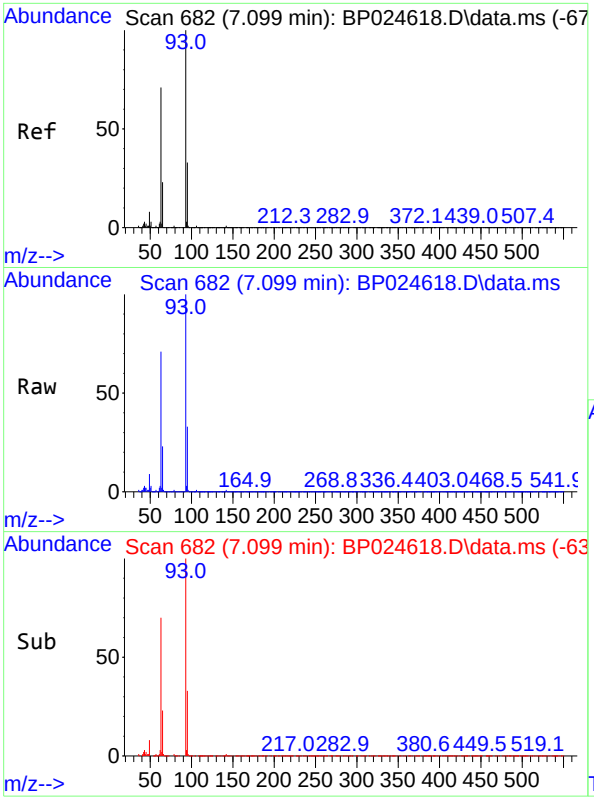


#10
Phenol
Concen: 39.18 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 94 Resp: 364948

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.7	48.7
66	39.4	19.4	59.4

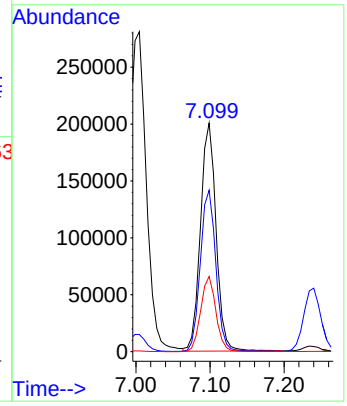




#11
bis(2-Chloroethyl)ether
Concen: 38.32 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 29333

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.9	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
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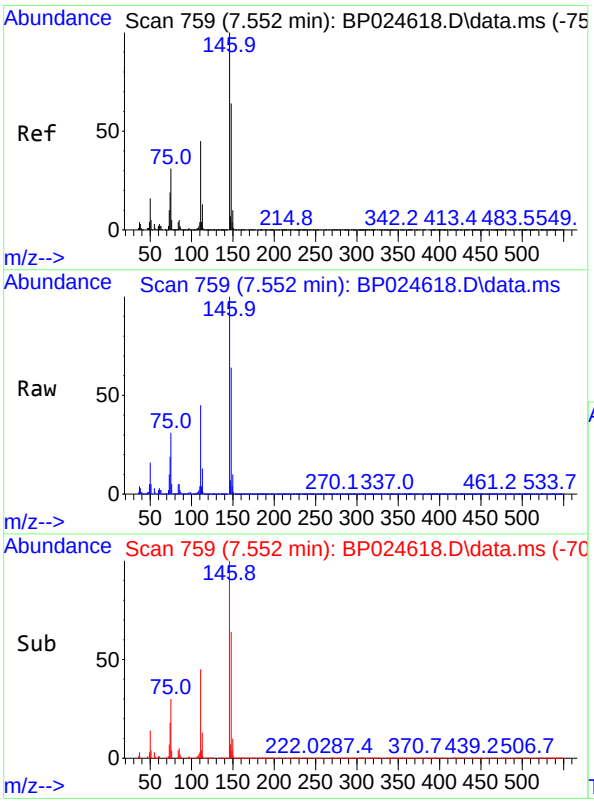
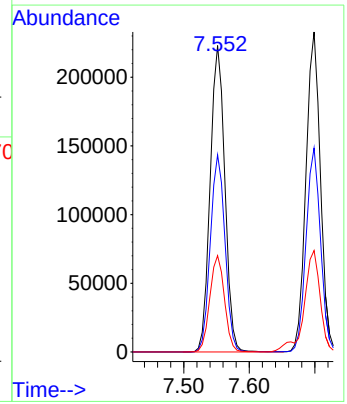
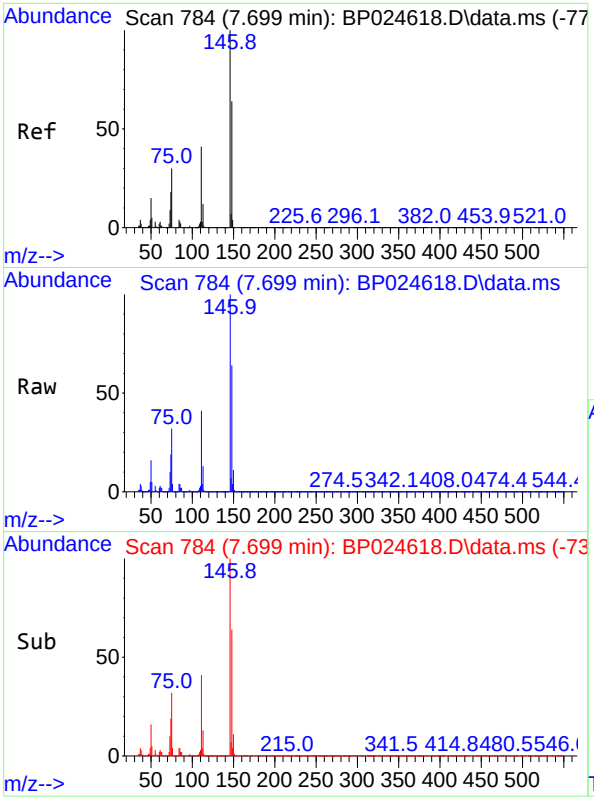


#12
1,3-Dichlorobenzene
Concen: 37.71 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 348242

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	31.5	25.2	37.8

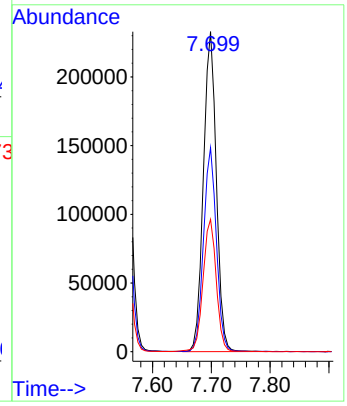




#13
1,4-Dichlorobenzene
Concen: 38.27 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 35553

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	41.3	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
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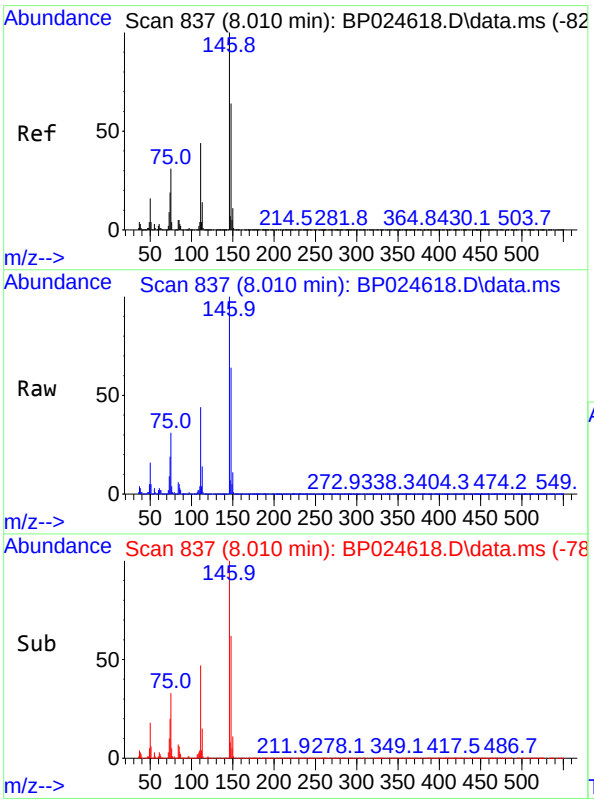
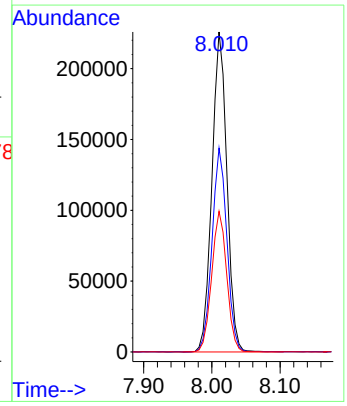
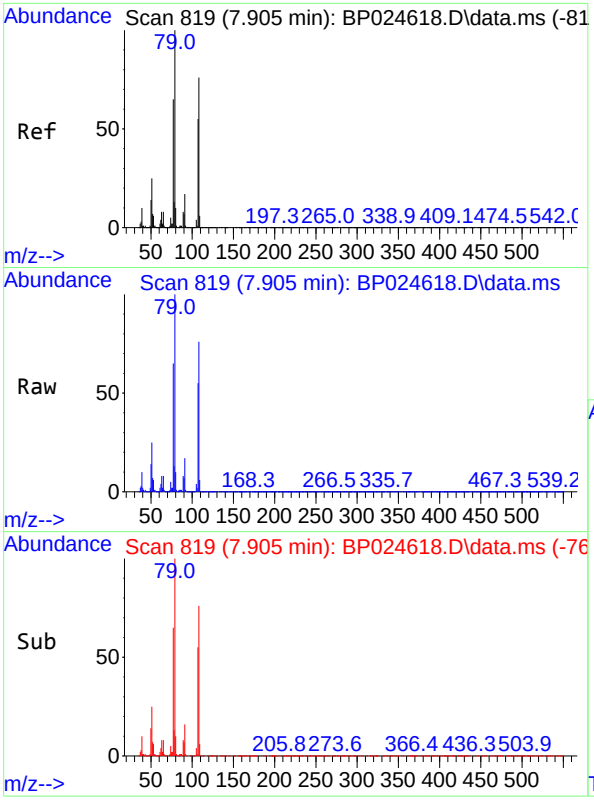


#14
1,2-Dichlorobenzene
Concen: 38.11 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 344980

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	44.0	35.2	52.8





#15
Benzyl Alcohol
Concen: 40.52 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 27789

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	64.9	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
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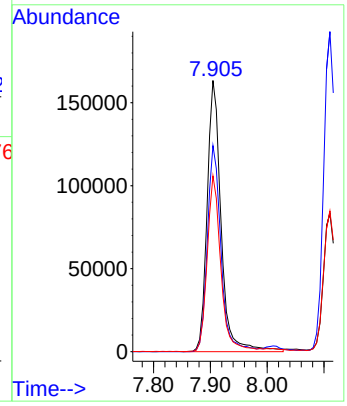
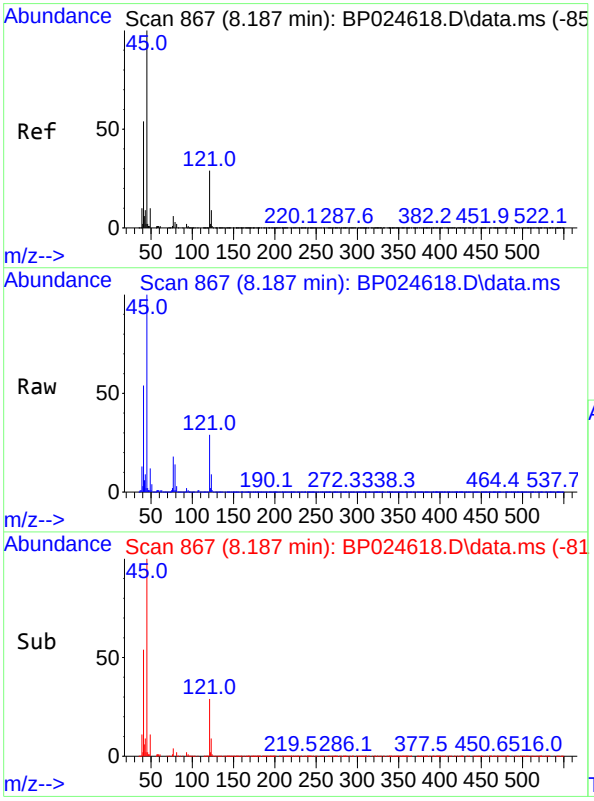
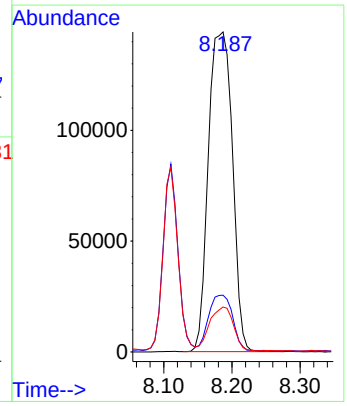


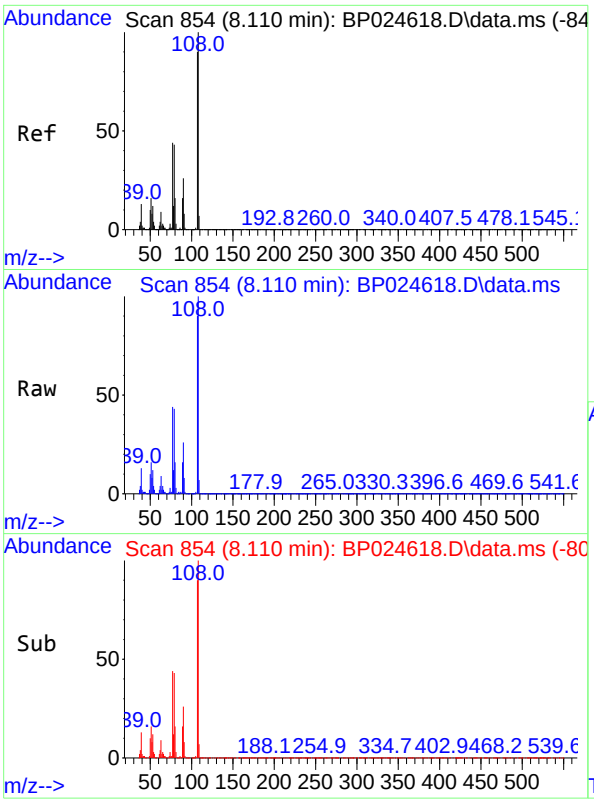


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.71 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 45 Resp: 354872

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	14.0	0.0	34.0

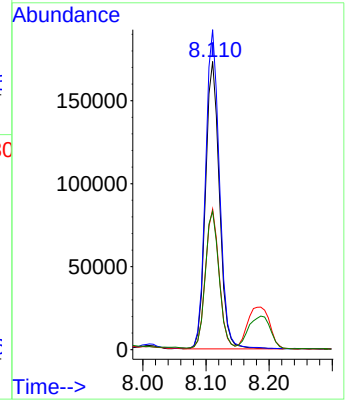




#17
2-Methylphenol
Concen: 39.81 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 26596

Ion	Ratio	Lower	Upper
107	100		
108	111.1	88.9	133.3
77	48.8	39.0	58.6
79	48.0	38.4	57.6



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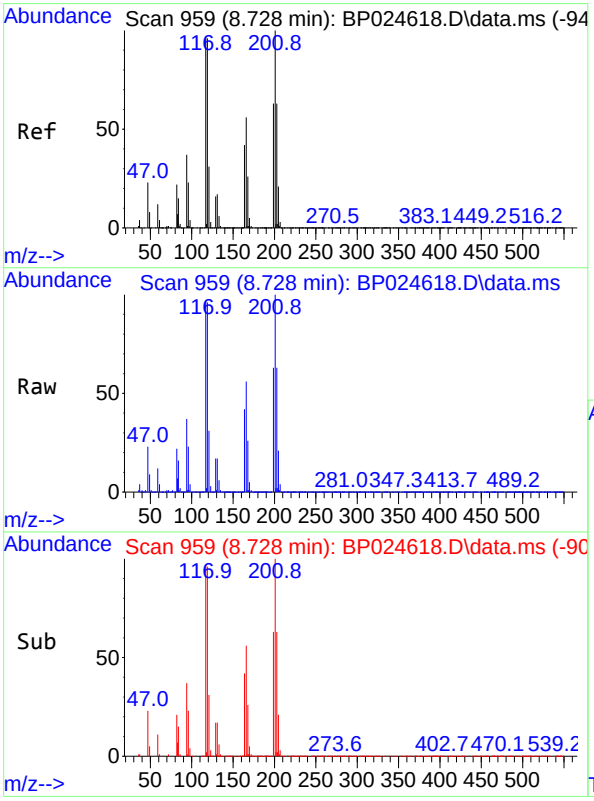
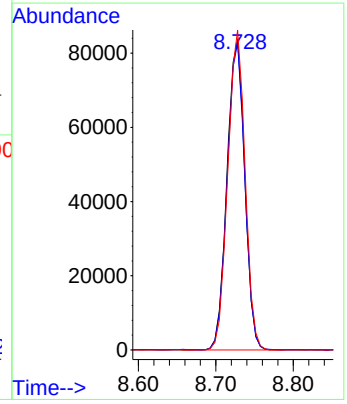
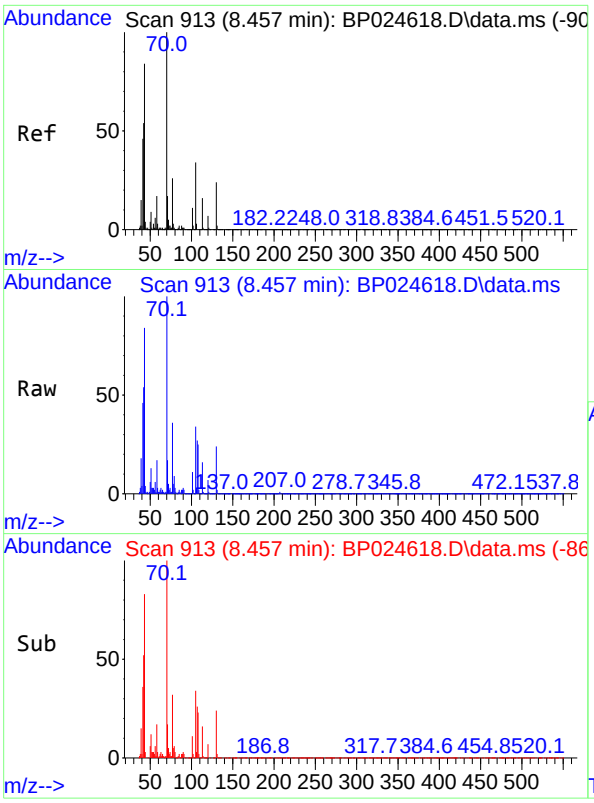


#18
Hexachloroethane
Concen: 37.43 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:117 Resp: 133224

Ion	Ratio	Lower	Upper
117	100		
119	99.2	79.4	119.0
201	103.4	82.7	124.1

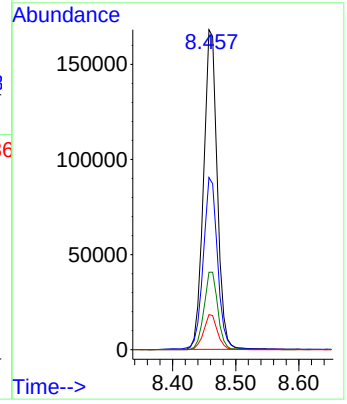




#19
n-Nitroso-di-n-propylamine
Concen: 40.61 ng
RT: 8.457 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 70 Resp: 25355

Ion	Ratio	Lower	Upper
70	100		
42	53.8	43.0	64.6
101	10.9	8.7	13.1
130	24.2	19.4	29.0



Instrument :
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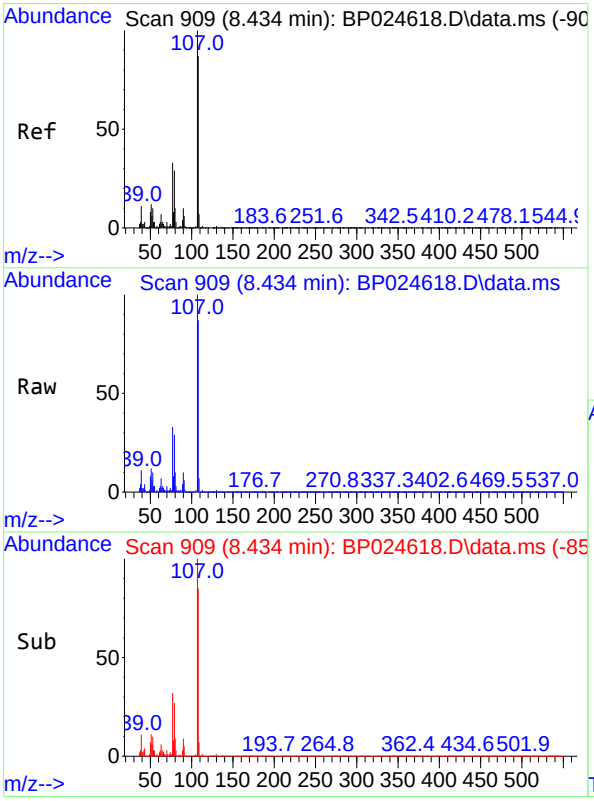
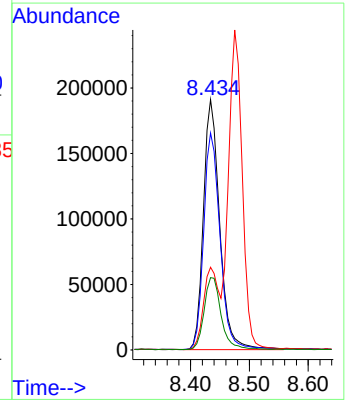
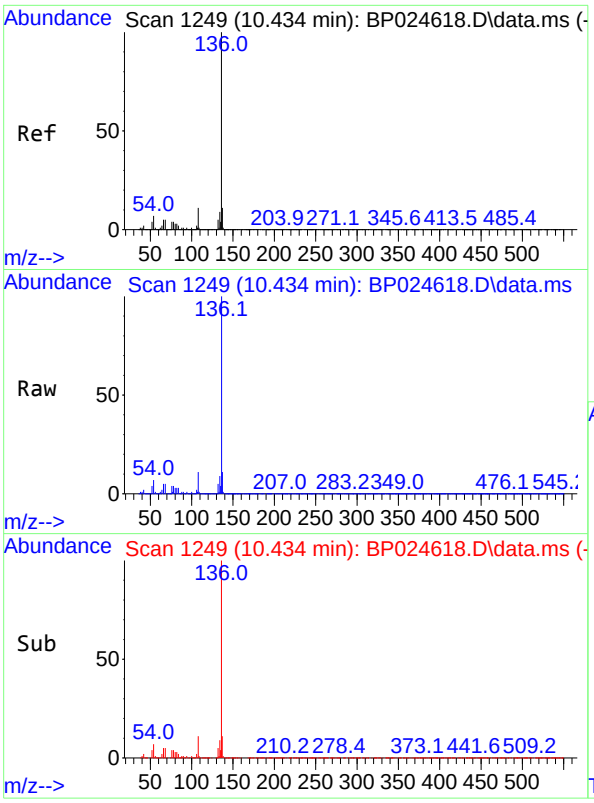


#20
3+4-Methylphenols
Concen: 40.33 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 366564

Ion	Ratio	Lower	Upper
107	100		
108	86.7	66.7	106.7
77	33.1	13.1	53.1
79	28.9	8.9	48.9

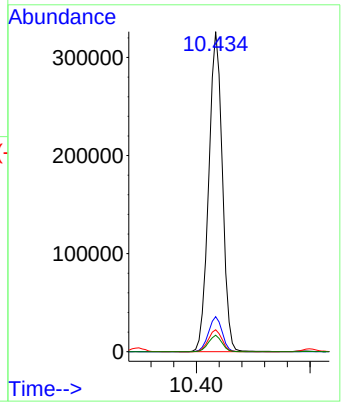




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:136 Resp: 54045

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.5	8.3
68	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
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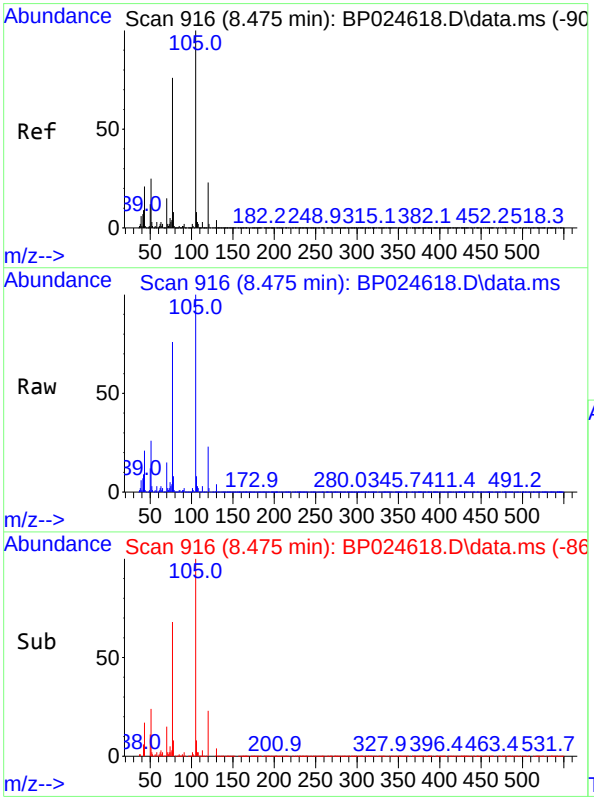
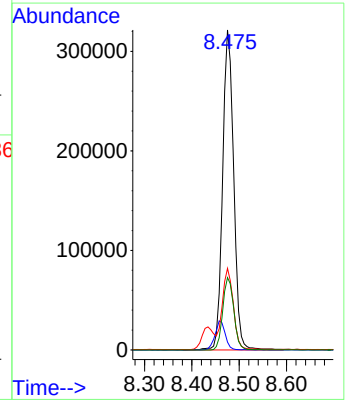
Supervised By :Jagrut Upadhyay 05/14/2025

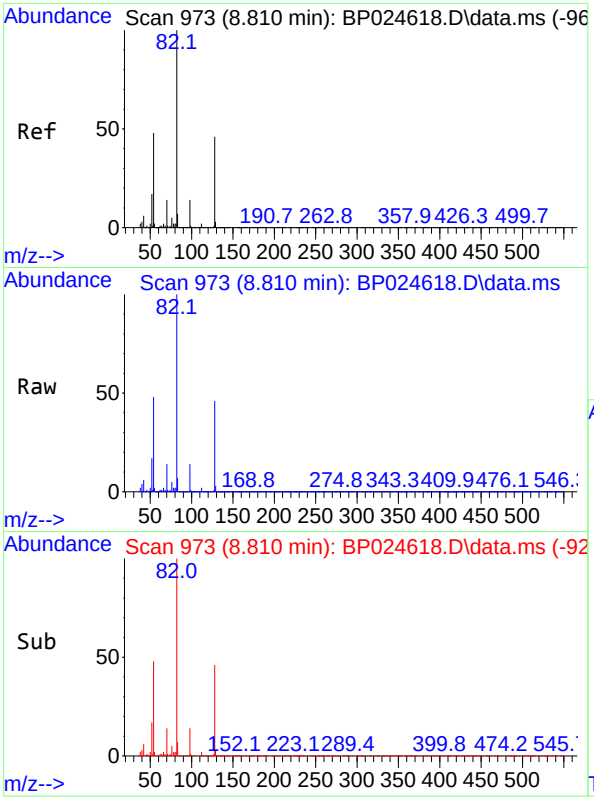


#22
Acetophenone
Concen: 38.64 ng
RT: 8.475 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:105 Resp: 521603

Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.0	3.0
51	25.5	20.4	30.6
120	22.6	18.1	27.1

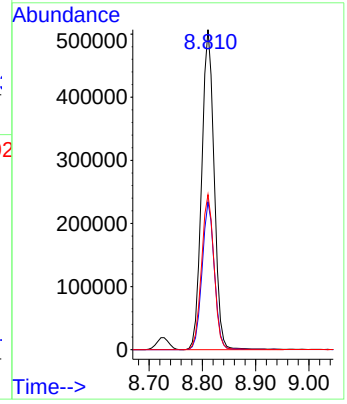




#23
Nitrobenzene-d5
Concen: 77.28 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 82 Resp: 82656

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.4
54	48.4	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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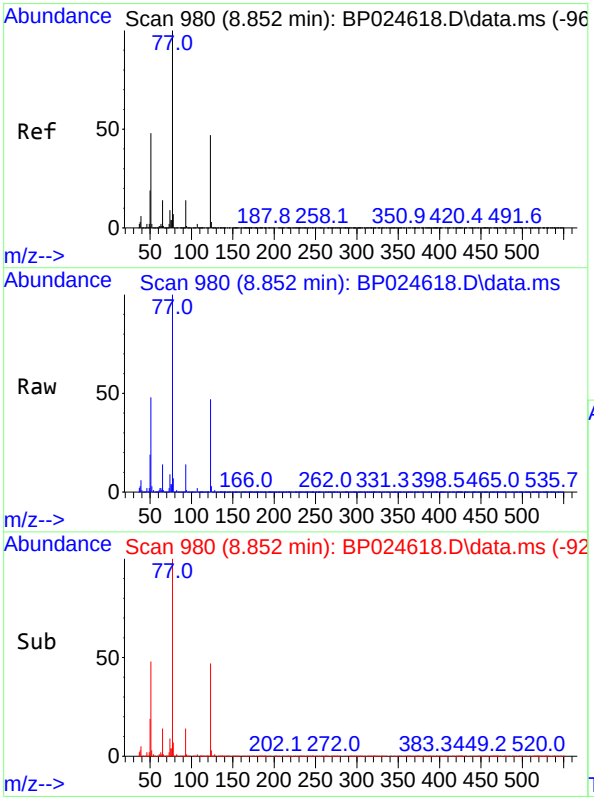
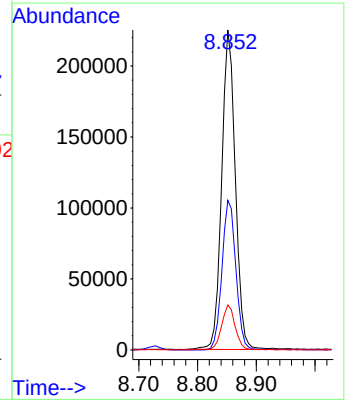
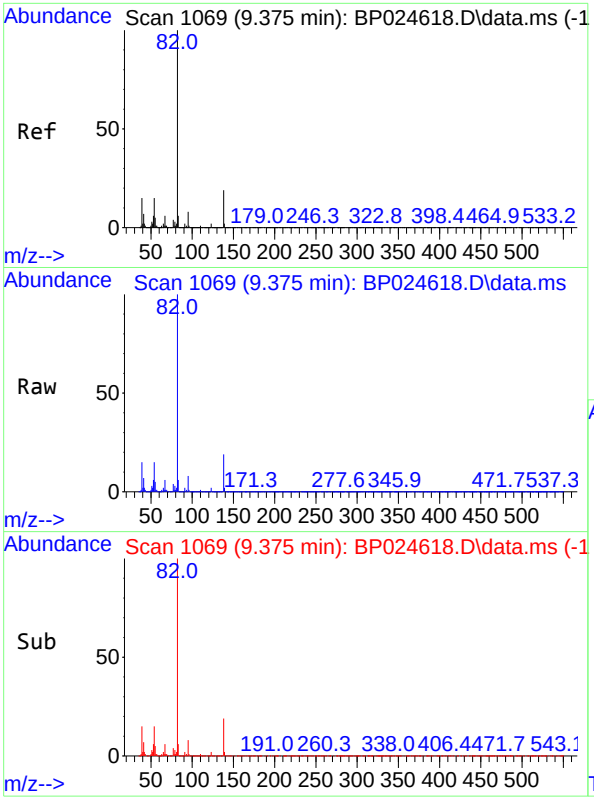


#24
Nitrobenzene
Concen: 38.65 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 363767

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.4	56.0
65	14.1	11.3	16.9

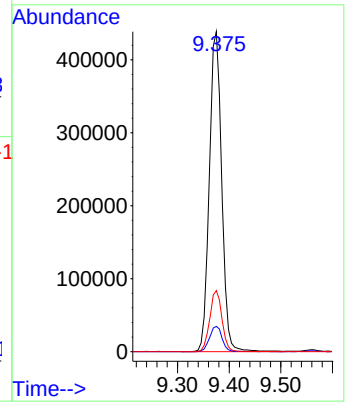




#25
Isophorone
Concen: 39.19 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 82 Resp: 72708

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.1	15.3	22.9



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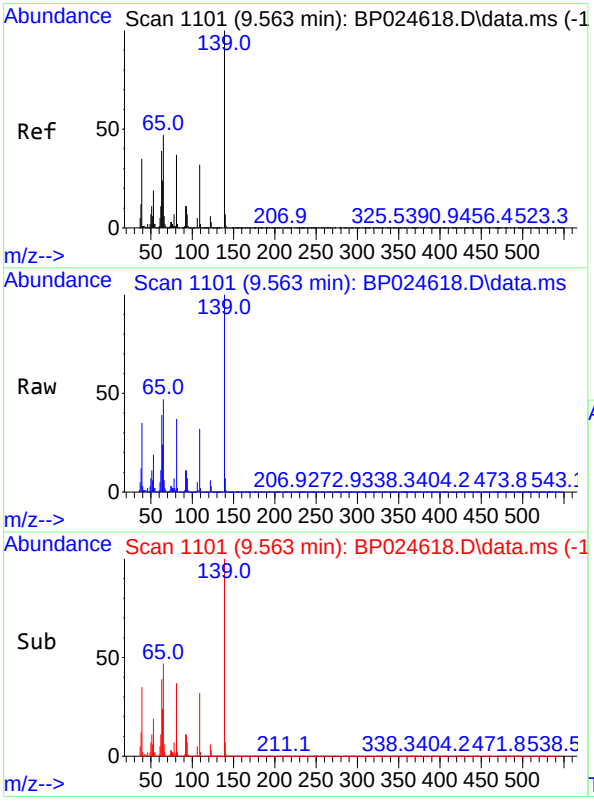
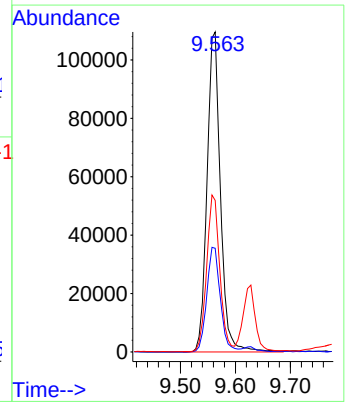
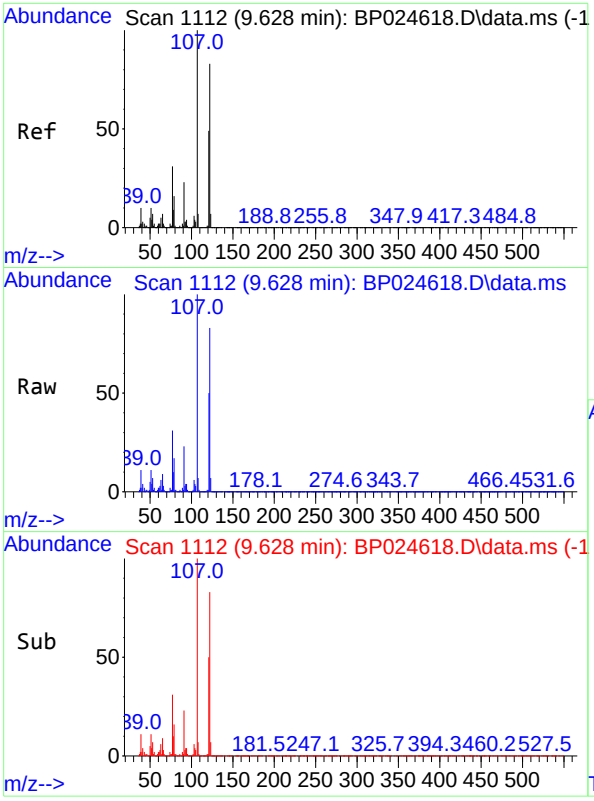


#26
2-Nitrophenol
Concen: 40.24 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 185587

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	47.4	37.9	56.9

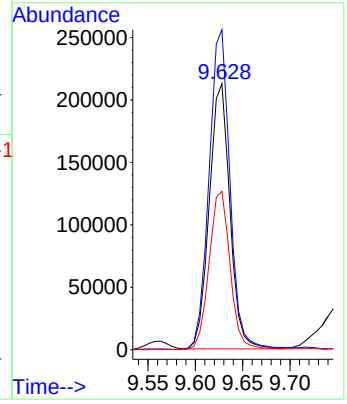




#27
2,4-Dimethylphenol
Concen: 39.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 32222

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.2
121	59.5	47.6	71.4



Instrument :
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ClientSampleId :
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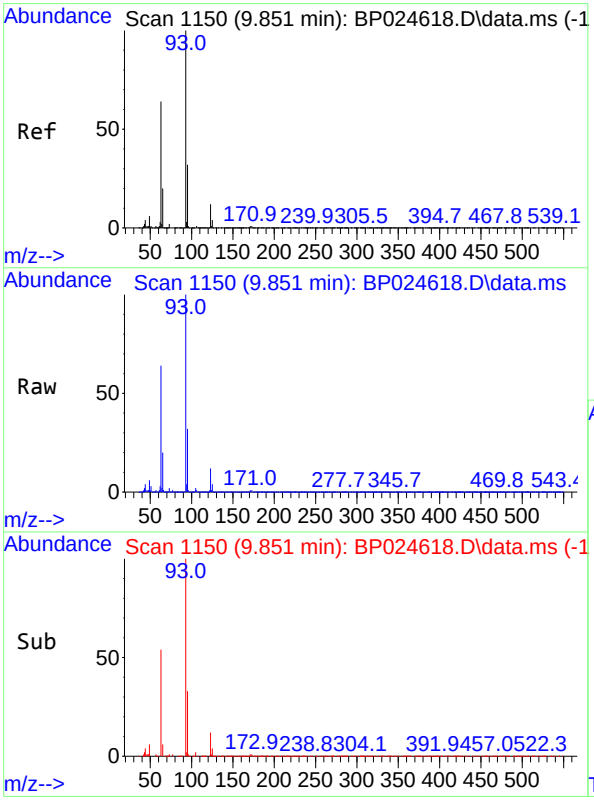
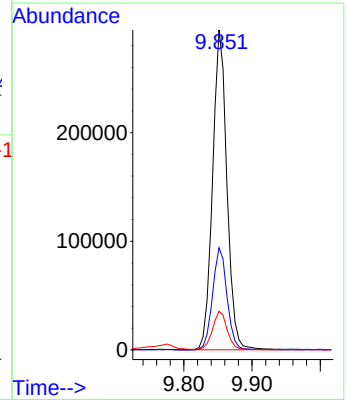
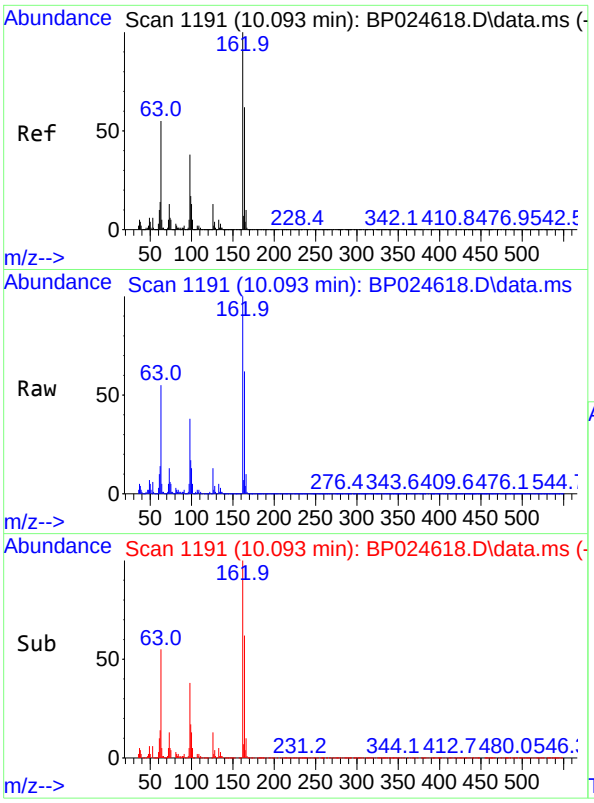


#28
bis(2-Chloroethoxy)methane
Concen: 38.88 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 430958

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.1	9.7	14.5

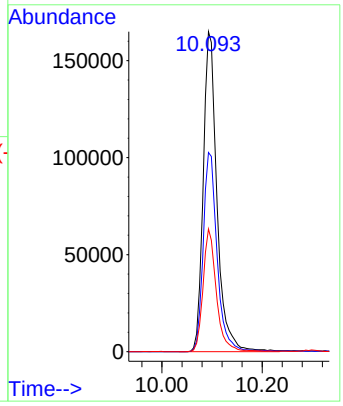




#29
2,4-Dichlorophenol
Concen: 39.95 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 31483

Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.3	82.3
98	38.4	18.4	58.4



Instrument :
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ClientSampleId :
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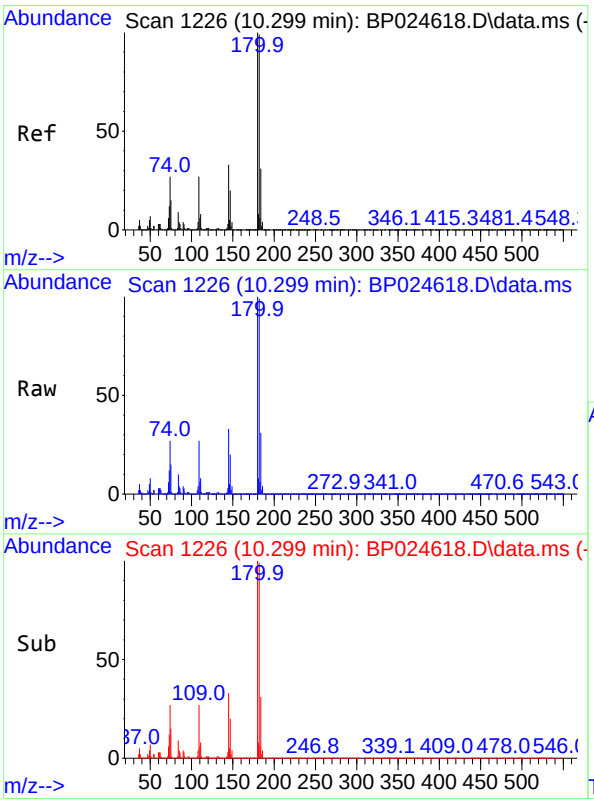
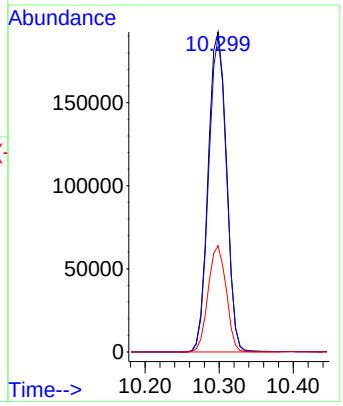
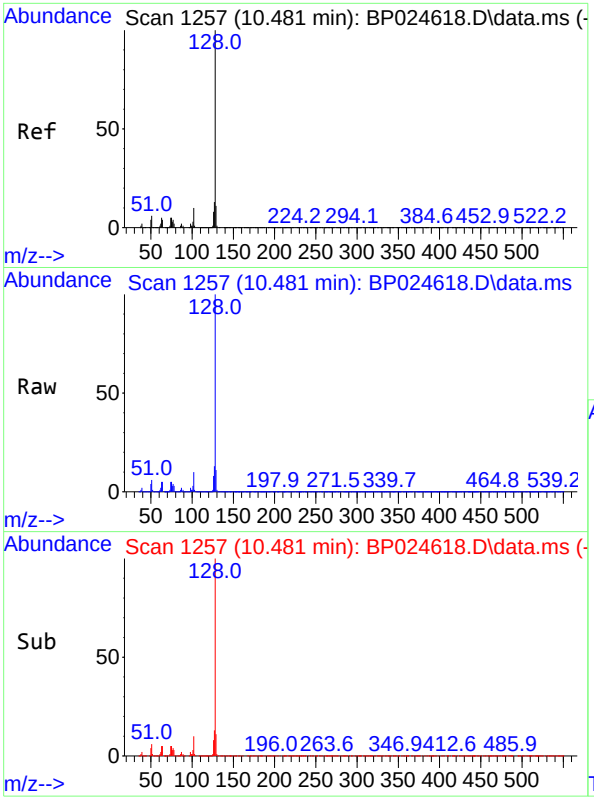


#30
1,2,4-Trichlorobenzene
Concen: 37.23 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:180 Resp: 330659

Ion	Ratio	Lower	Upper
180	100		
182	98.7	79.0	118.4
145	33.2	26.6	39.8

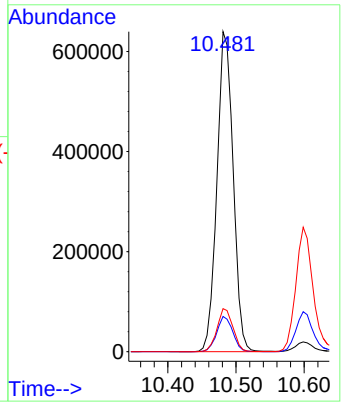




#31
Naphthalene
Concen: 37.82 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 105931

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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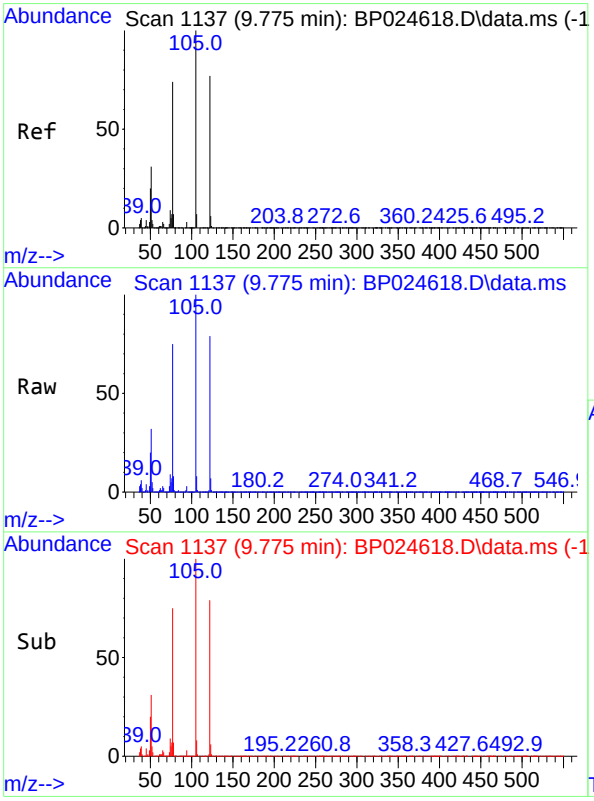
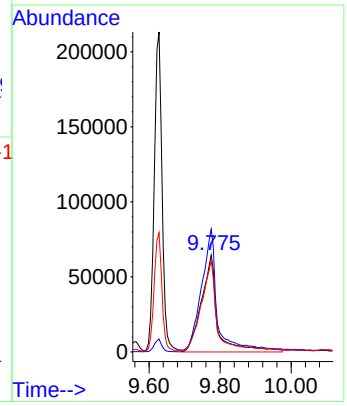
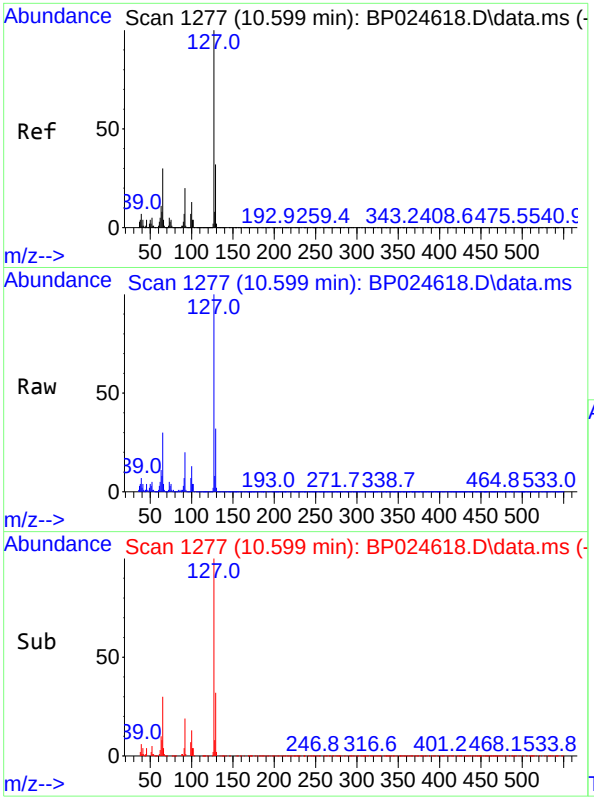


#32
Benzoic acid
Concen: 38.01 ng m
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 206829

Ion	Ratio	Lower	Upper
122	100		
105	126.9	106.9	146.9
77	95.1	75.1	115.1

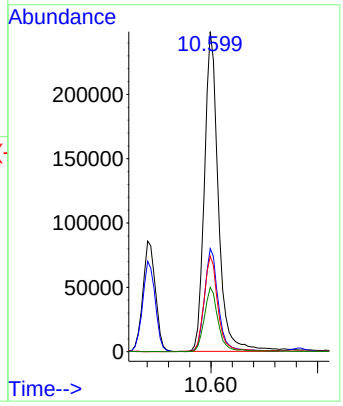




#33
4-Chloroaniline
Concen: 40.01 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:127 Resp: 45215

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.9	23.9	35.9
92	20.1	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
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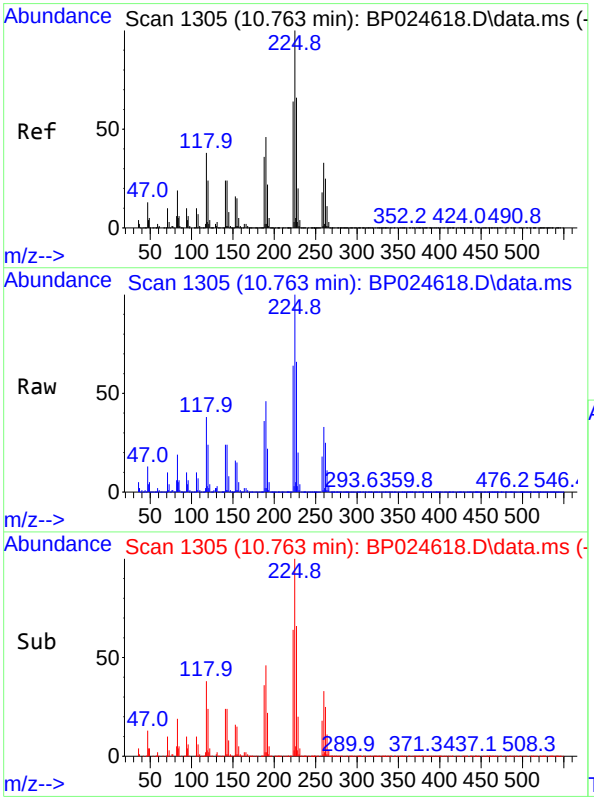
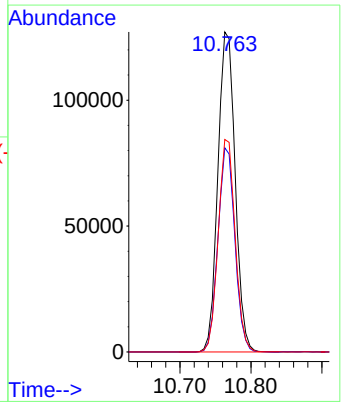
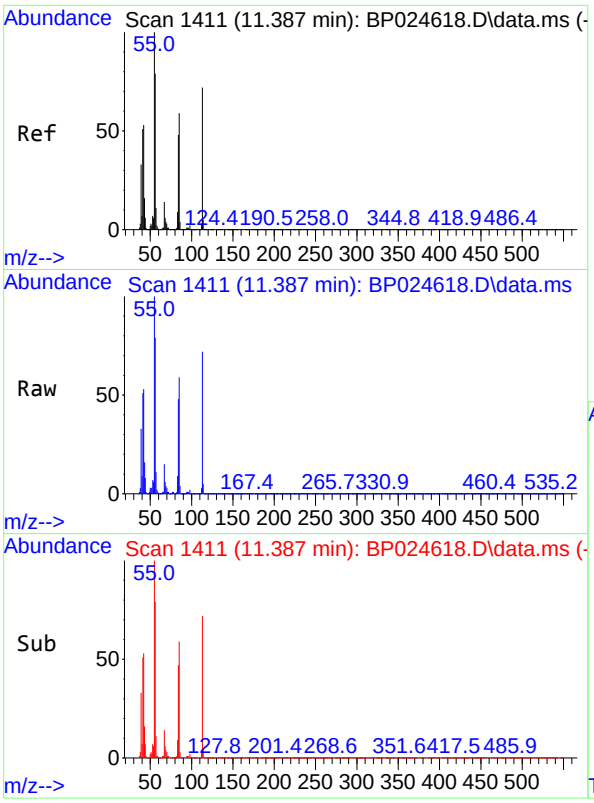


#34
Hexachlorobutadiene
Concen: 37.19 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:225 Resp: 213978

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	66.4	53.1	79.7





#35
Caprolactam
Concen: 41.43 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:113 Resp: 11804

Ion	Ratio	Lower	Upper
113	100		
55	139.0	119.0	159.0
56	110.3	90.3	130.3

Instrument :
BNA_P
ClientSampleId :
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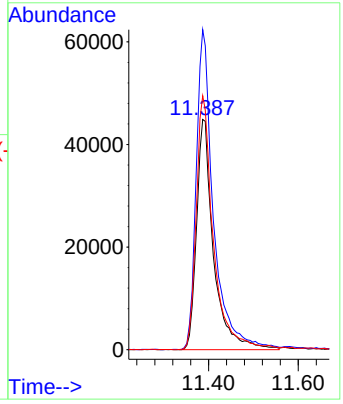
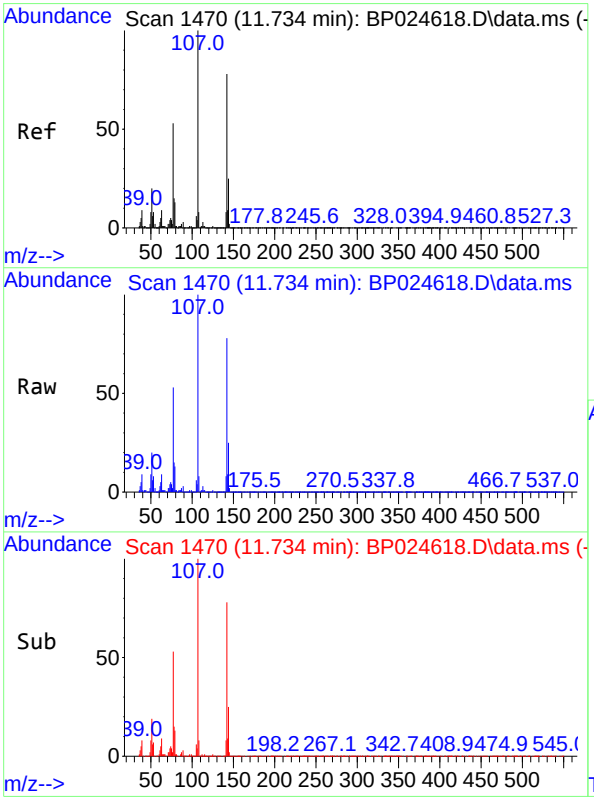
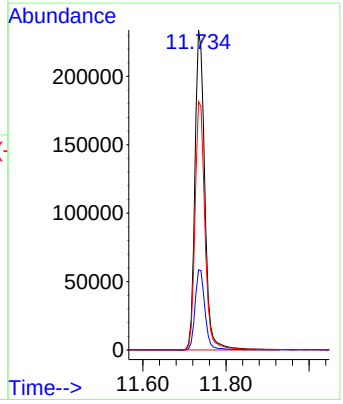


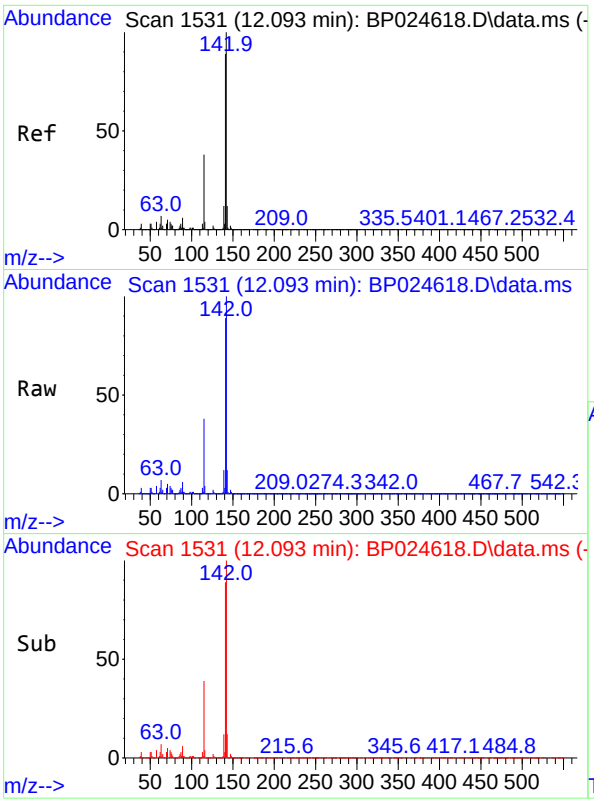


#36
4-Chloro-3-methylphenol
Concen: 40.07 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 385077

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.1	30.1
142	77.6	62.1	93.1

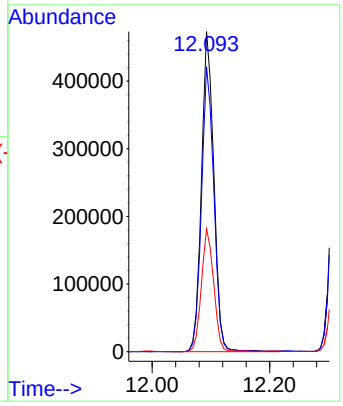




#37
2-Methylnaphthalene
Concen: 38.17 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 69213

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	38.3	30.6	46.0



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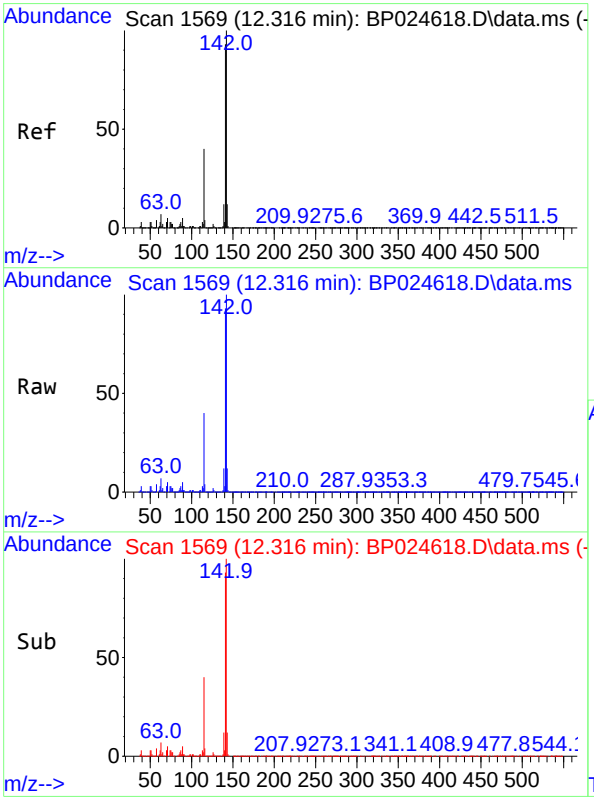
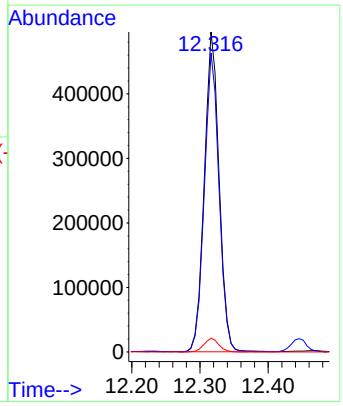
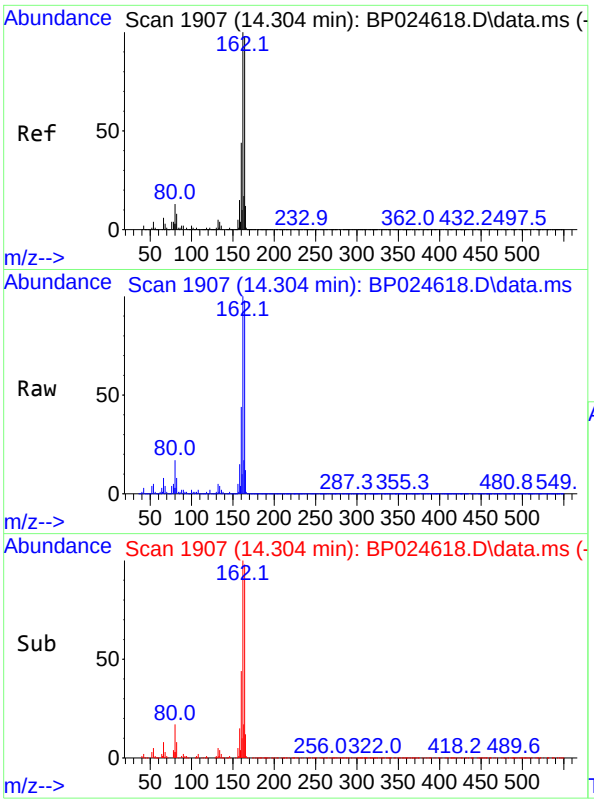


#38
1-Methylnaphthalene
Concen: 38.44 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 745849

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.3	3.4	5.2

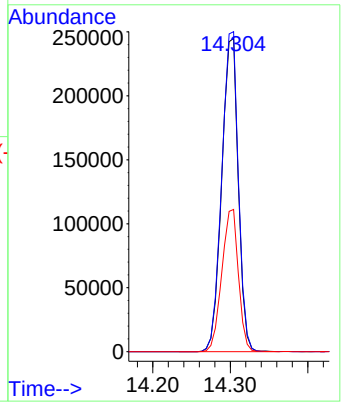




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:164 Resp: 36245

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.4	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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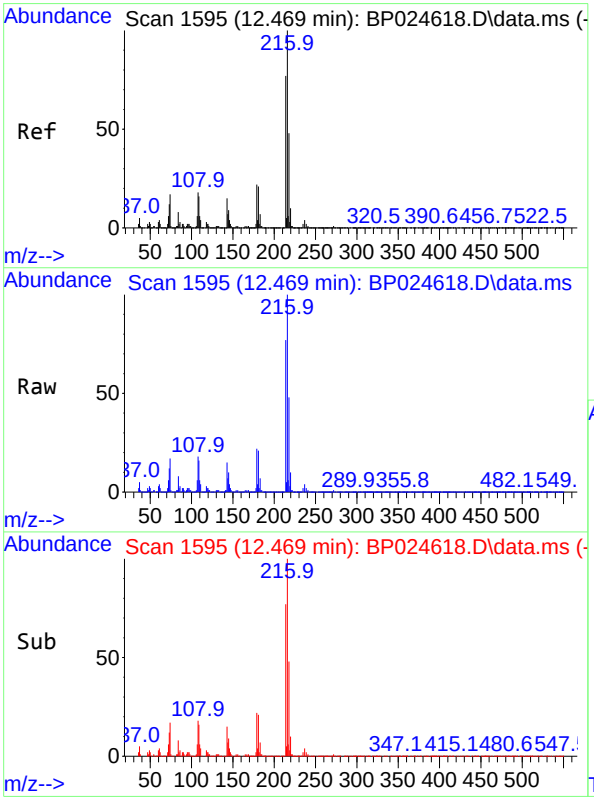
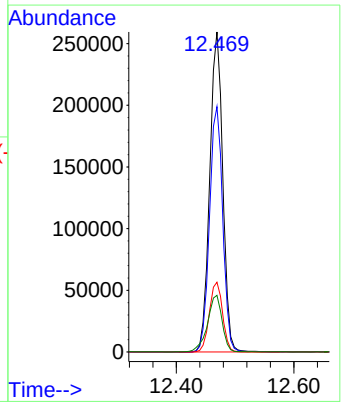
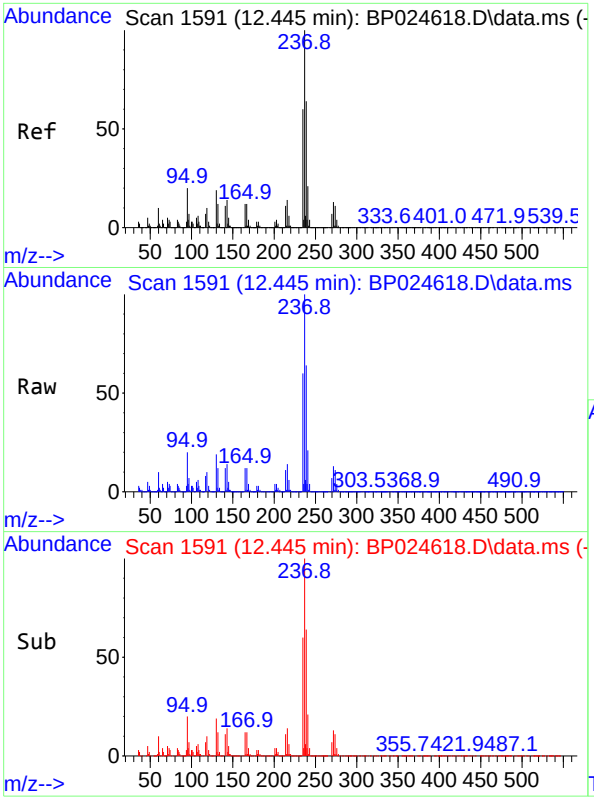


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.84 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:216 Resp: 398230

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.1	17.7	26.5
108	20.0	16.0	24.0

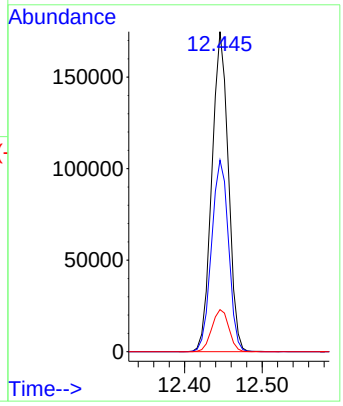




#41
Hexachlorocyclopentadiene
Concen: 40.48 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:237 Resp: 25832

Ion	Ratio	Lower	Upper
237	100		
235	59.9	39.9	79.9
272	13.2	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
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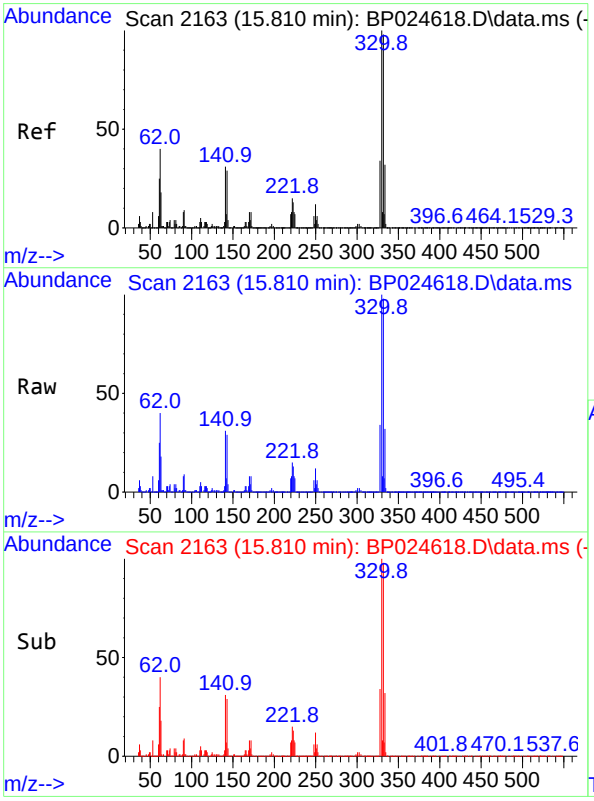
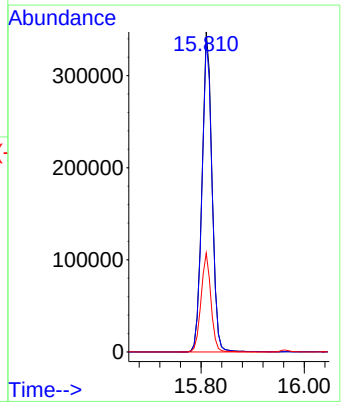
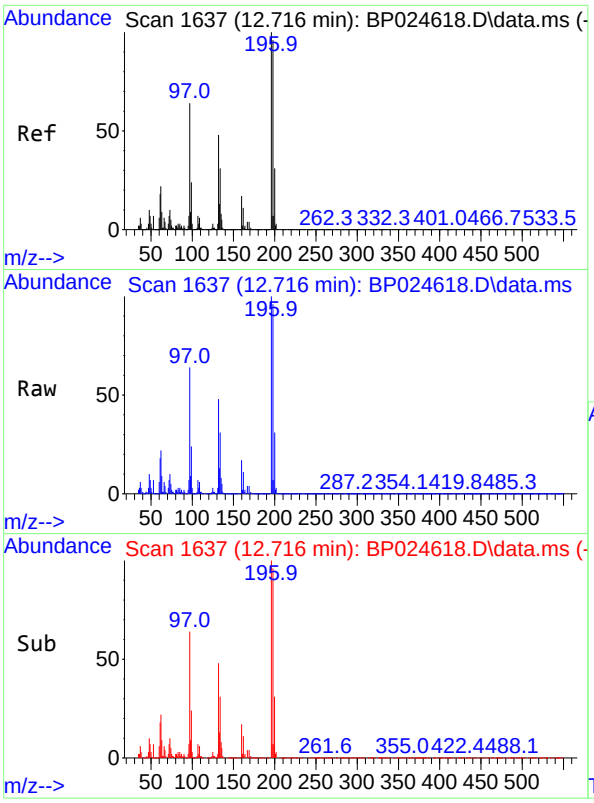


#42
2,4,6-Tribromophenol
Concen: 76.13 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:330 Resp: 467808

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.4	24.3	36.5

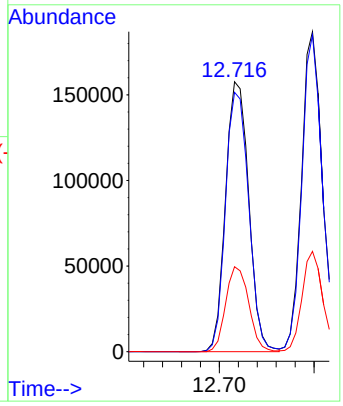




#43
2,4,6-Trichlorophenol
Concen: 39.41 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 26867

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	31.5	25.2	37.8



Instrument :
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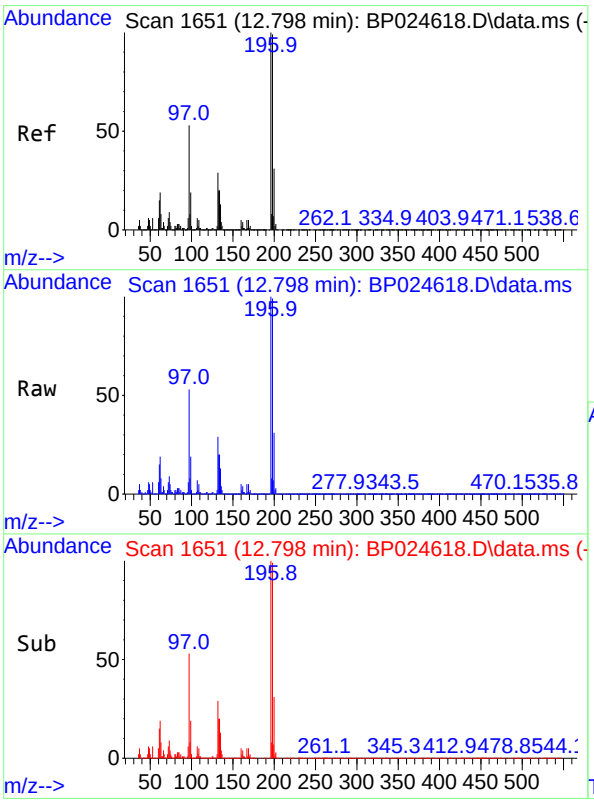
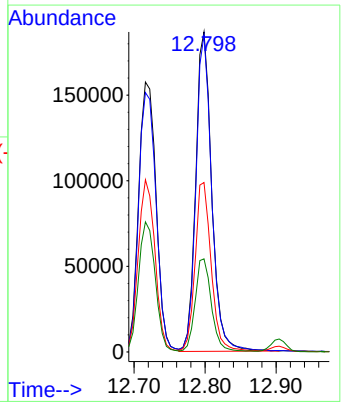
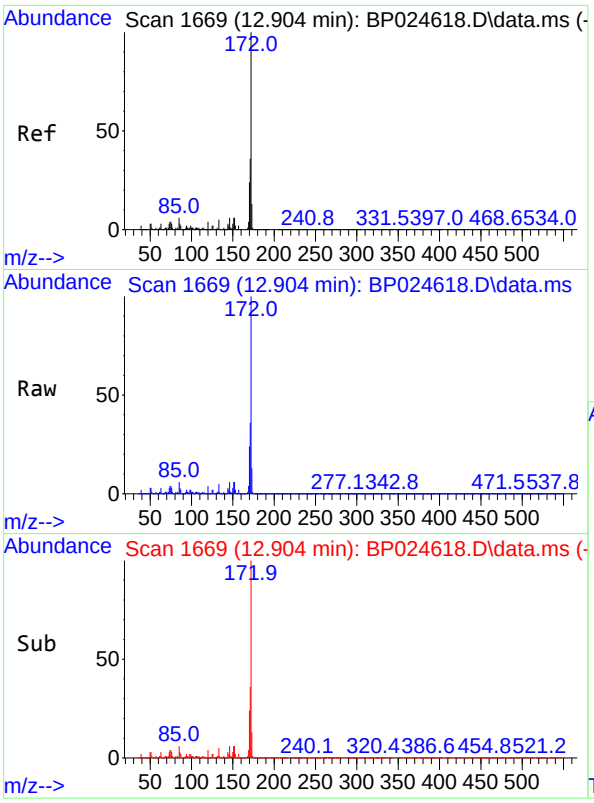


#44
2,4,5-Trichlorophenol
Concen: 38.62 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 293079

Ion	Ratio	Lower	Upper
196	100		
198	99.0	79.2	118.8
97	52.9	42.3	63.5
132	29.1	23.3	34.9

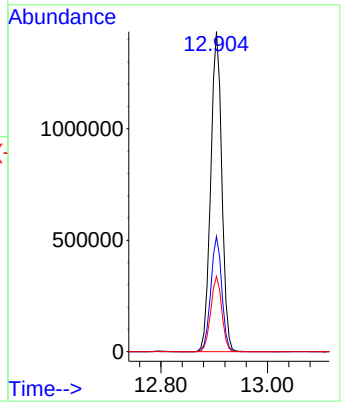




#45
2-Fluorobiphenyl
Concen: 75.05 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:172 Resp: 207635

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	18.8	28.2



Instrument :
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ClientSampleId :
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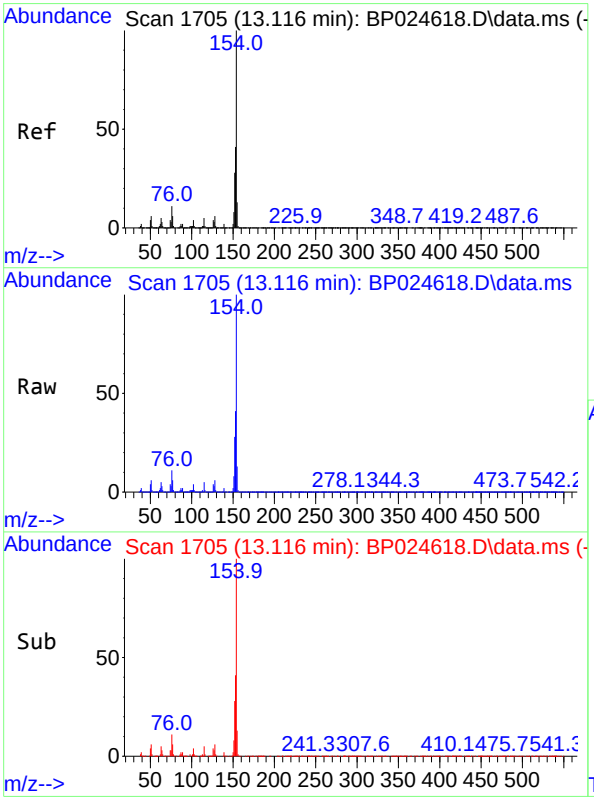
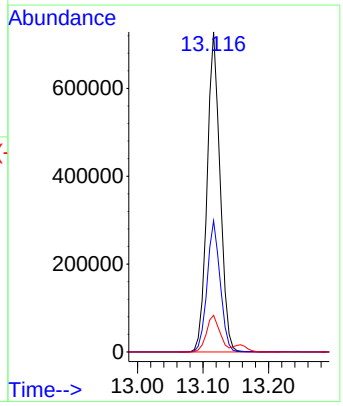
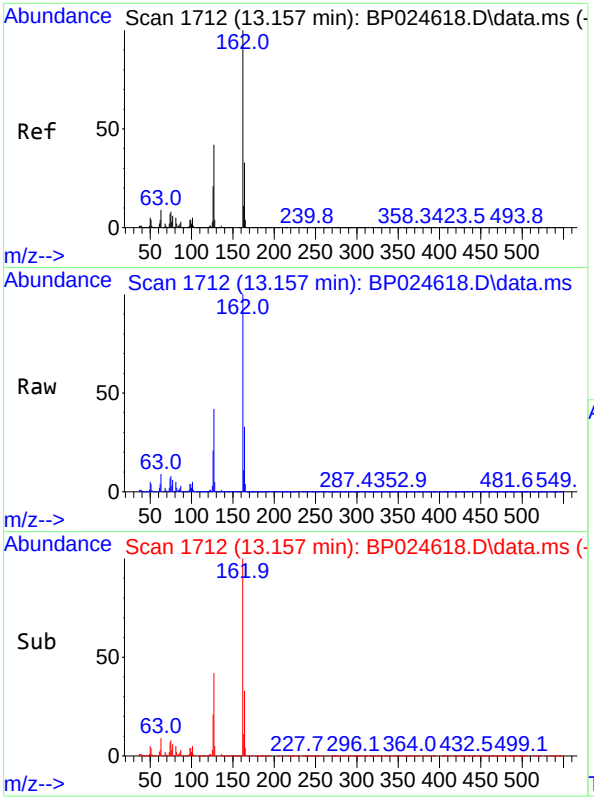


#46
1,1'-Biphenyl
Concen: 37.42 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 1002344

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.0	61.0
76	11.5	0.0	31.5

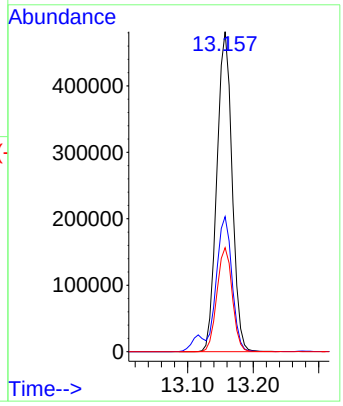




#47
2-Chloronaphthalene
Concen: 37.79 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 77195

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.5	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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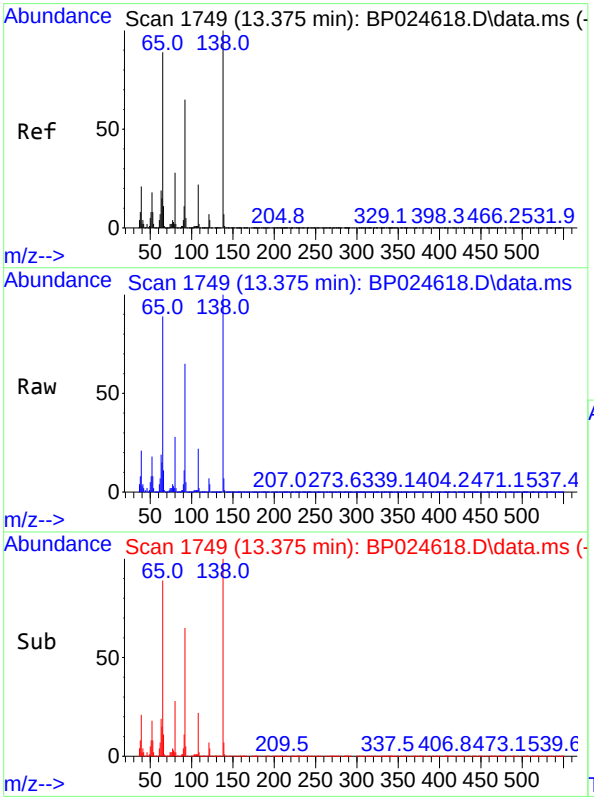
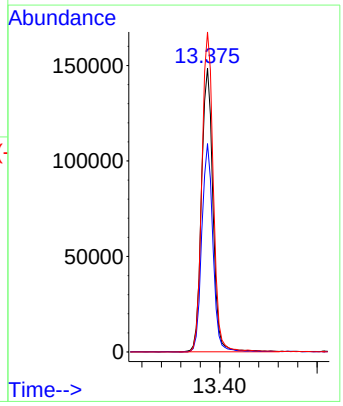
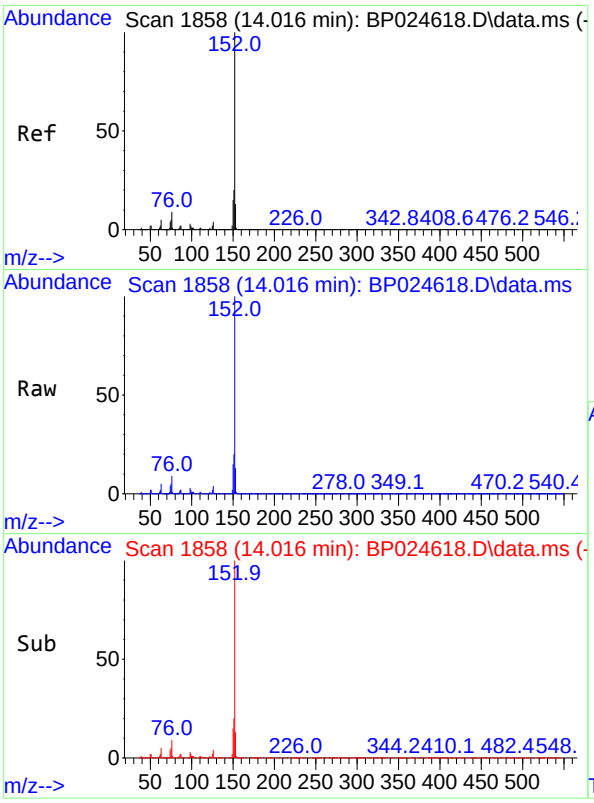


#48
2-Nitroaniline
Concen: 40.10 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 65 Resp: 242485

Ion	Ratio	Lower	Upper
65	100		
92	73.4	58.7	88.1
138	112.7	90.2	135.2

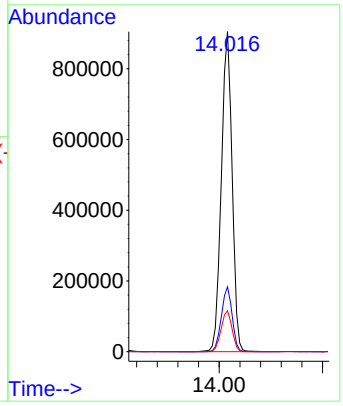




#49
Acenaphthylene
Concen: 38.26 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 130774

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	12.8	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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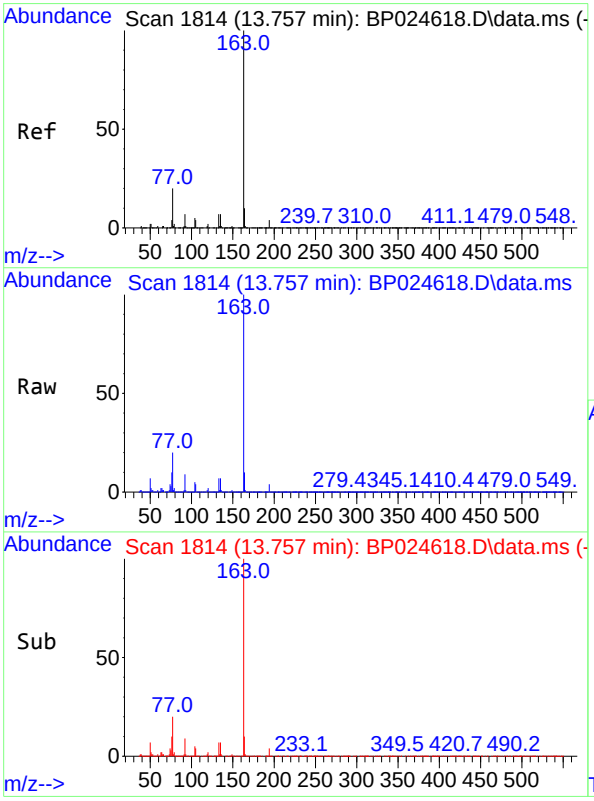
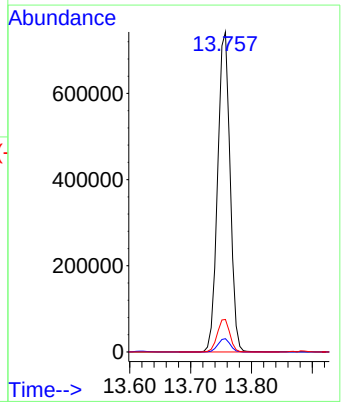
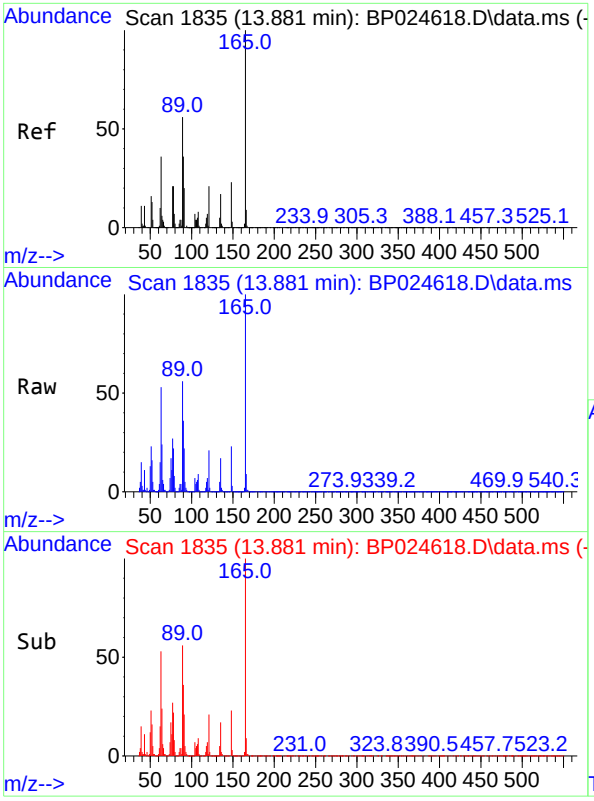


#50
Dimethylphthalate
Concen: 38.04 ng
RT: 13.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:163 Resp: 1051056

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.1	12.1

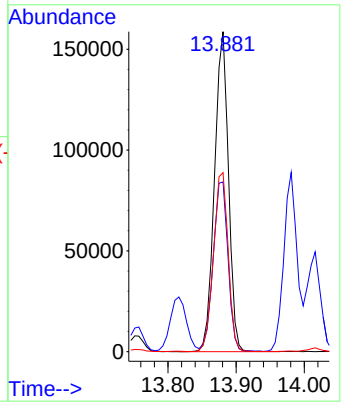




#51
2,6-Dinitrotoluene
Concen: 38.75 ng
RT: 13.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:165 Resp: 22608

Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.4	63.6
89	56.0	44.8	67.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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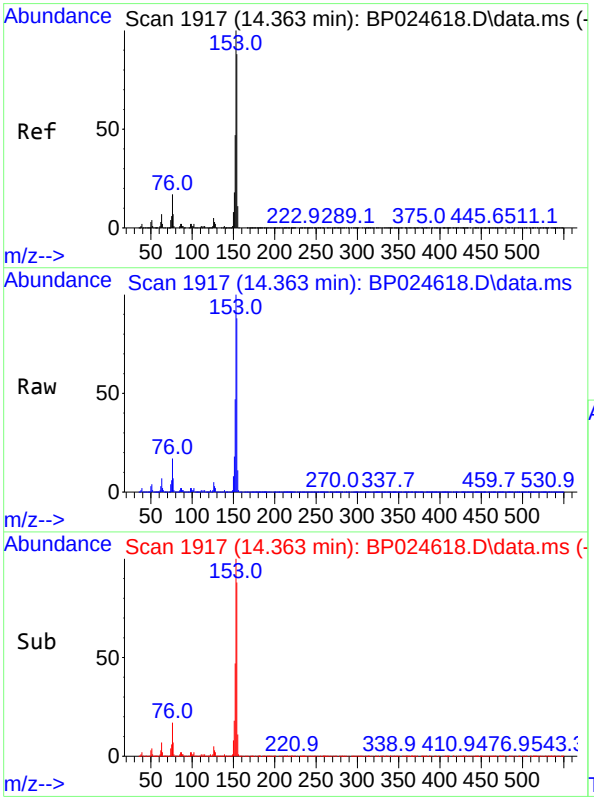
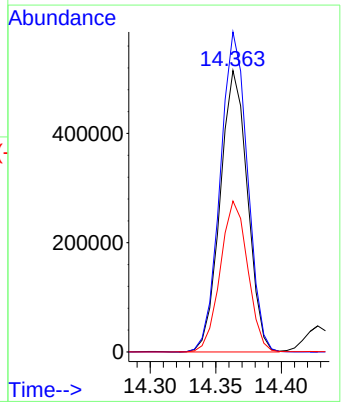
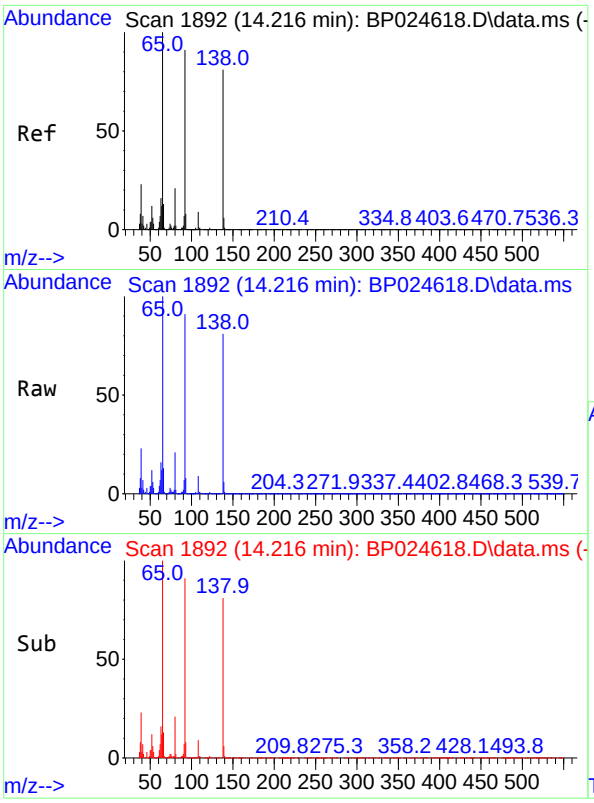


#52
Acenaphthene
Concen: 37.93 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 745335

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	53.6	42.9	64.3

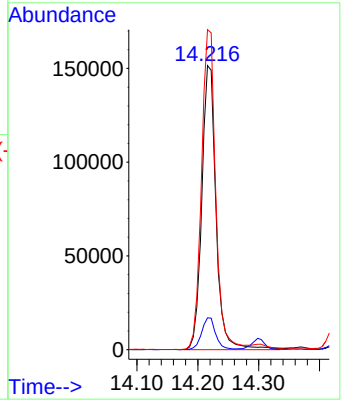




#53
3-Nitroaniline
Concen: 41.39 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 24656

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	112.6	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
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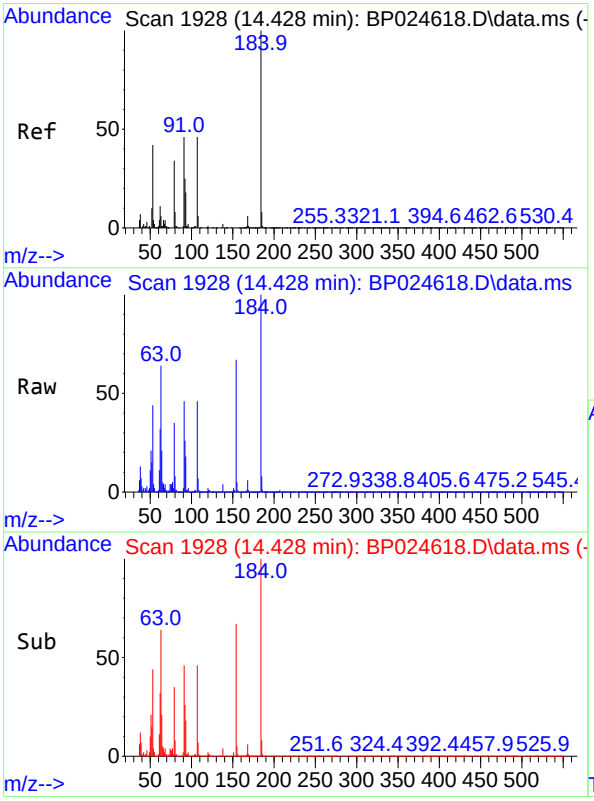
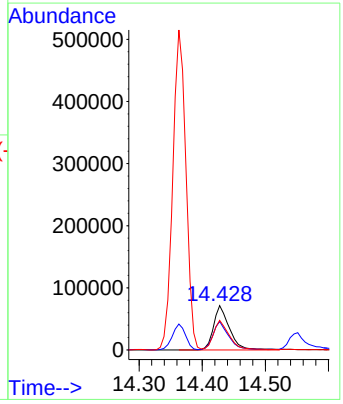
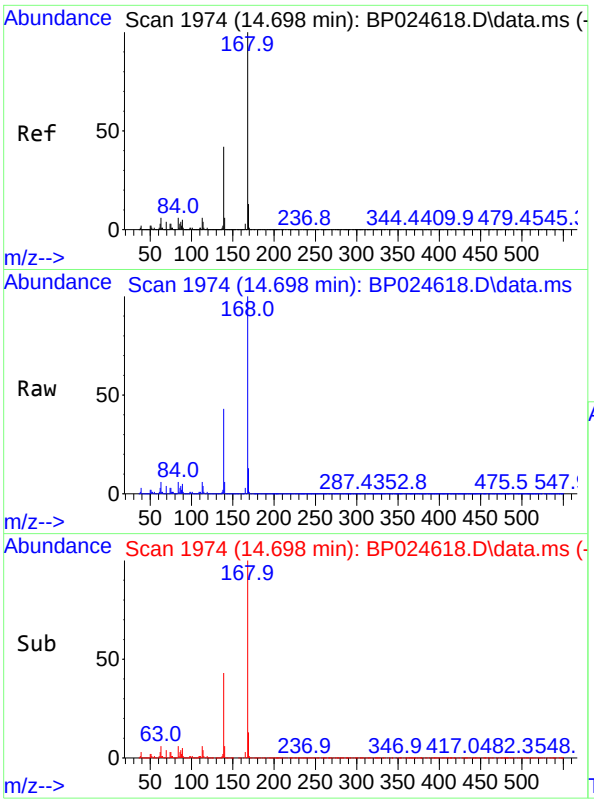


#54
2,4-Dinitrophenol
Concen: 37.54 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 124517

Ion	Ratio	Lower	Upper
184	100		
63	64.1	51.3	76.9
154	66.9	53.5	80.3

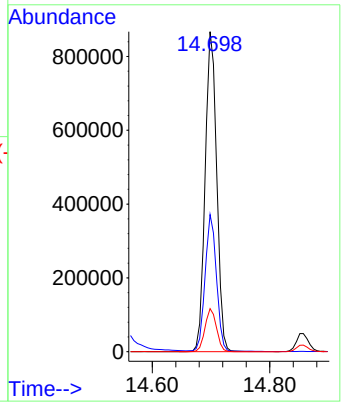




#55
Dibenzofuran
Concen: 37.77 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:168 Resp: 118380

Ion	Ratio	Lower	Upper
168	100		
139	42.8	34.2	51.4
169	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
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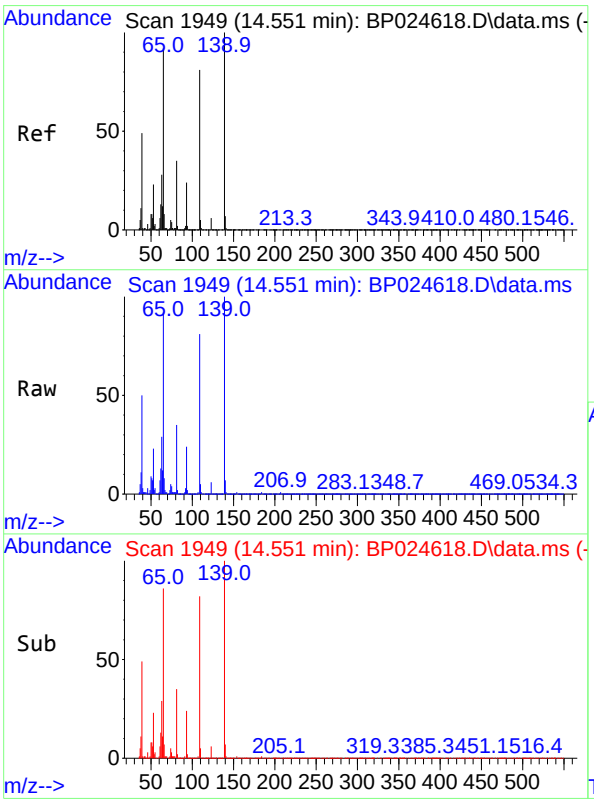
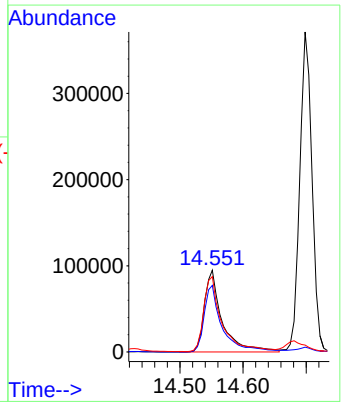
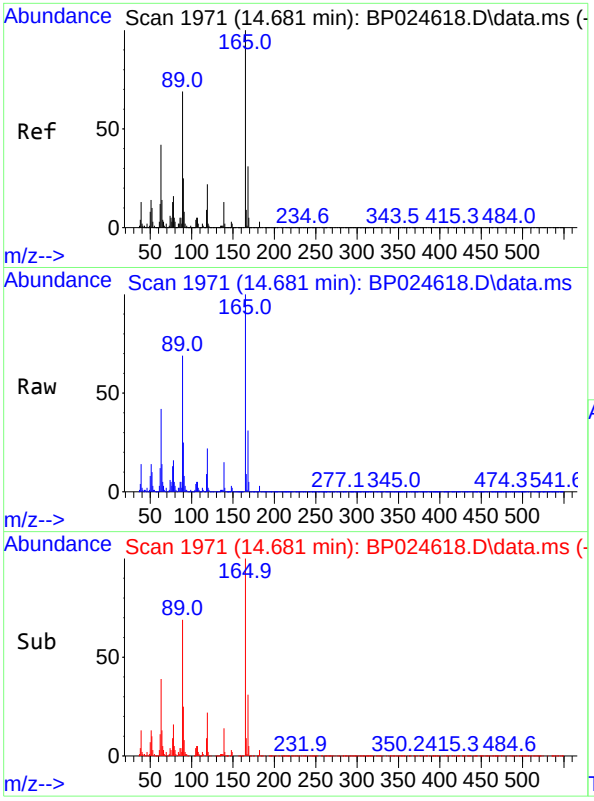


#56
4-Nitrophenol
Concen: 38.41 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 186112

Ion	Ratio	Lower	Upper
139	100		
109	81.4	61.4	101.4
65	92.2	72.2	112.2

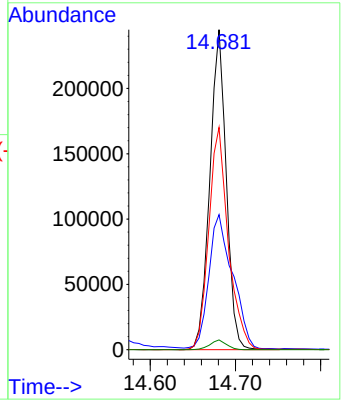




#57
2,4-Dinitrotoluene
Concen: 40.02 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:165 Resp: 32915

Ion	Ratio	Lower	Upper
165	100		
63	42.2	33.8	50.6
89	69.5	55.6	83.4
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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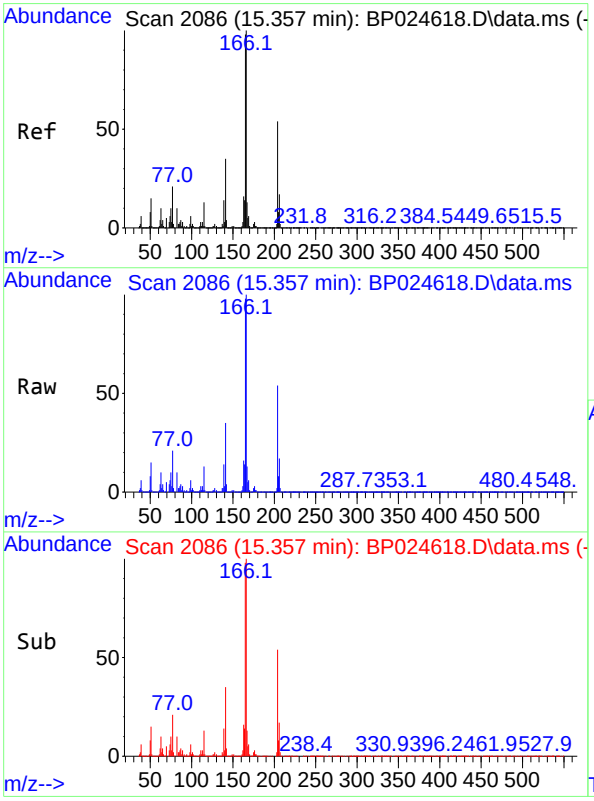
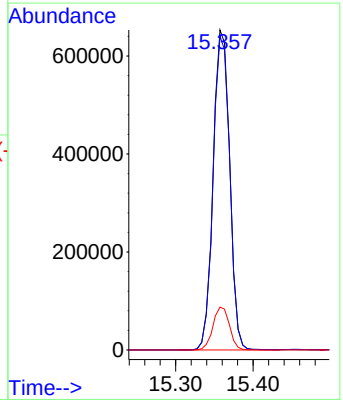
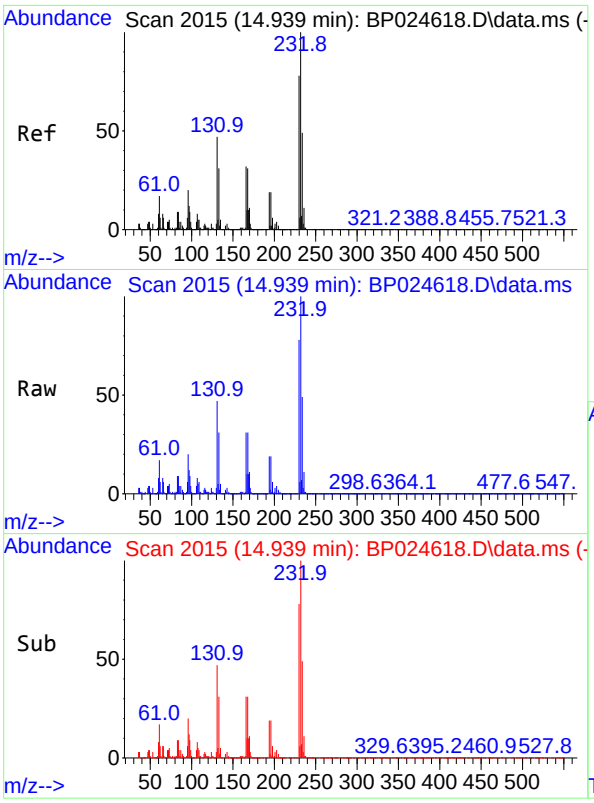


#58
Fluorene
Concen: 37.89 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:166 Resp: 968487

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.4	10.7	16.1

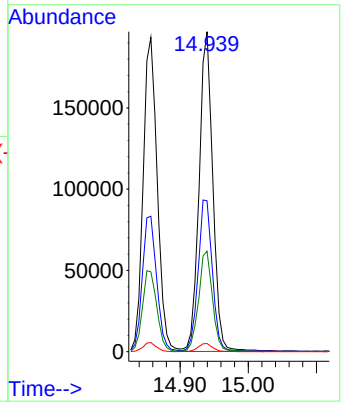




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.98 ng
RT: 14.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:232 Resp: 27438

Ion	Ratio	Lower	Upper
232	100		
131	49.4	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
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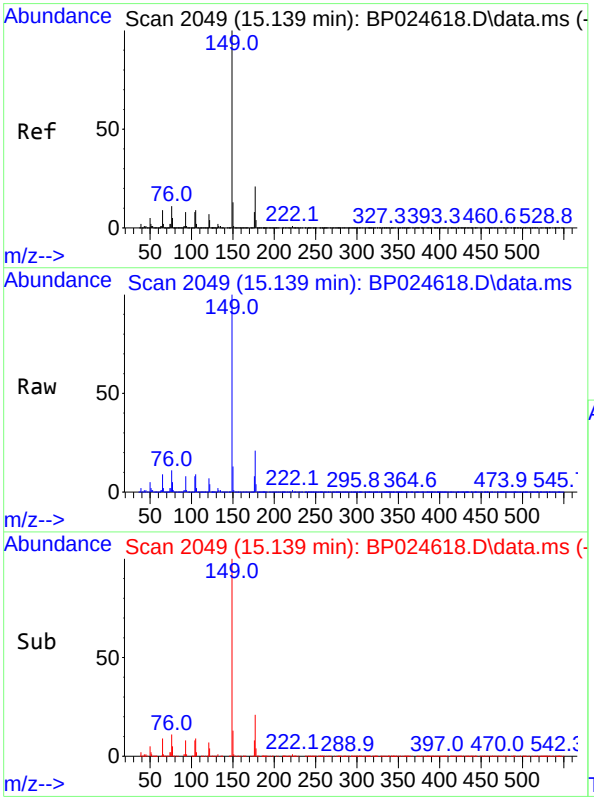
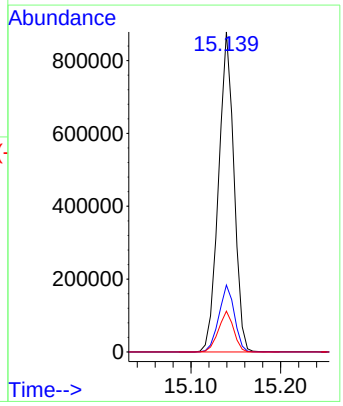
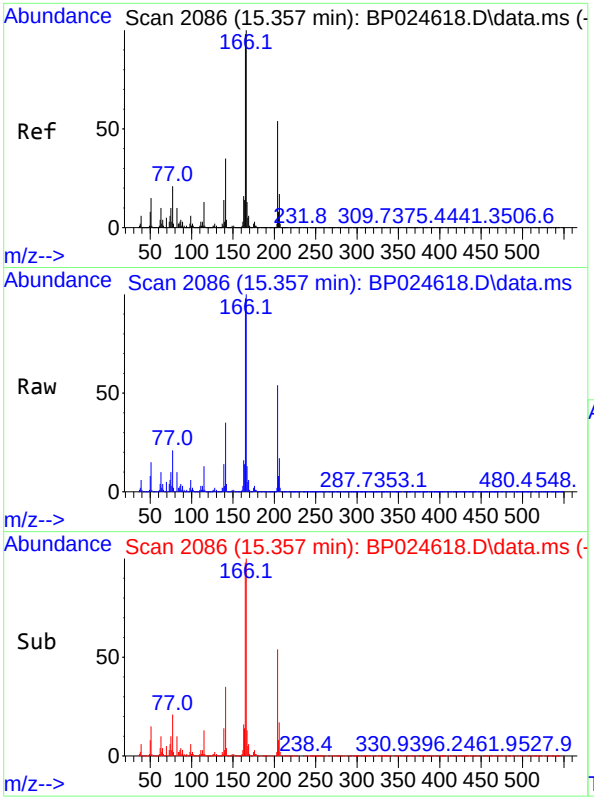


#60
Diethylphthalate
Concen: 37.48 ng
RT: 15.139 min Scan# 2049
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1046478

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	12.7	10.2	15.2

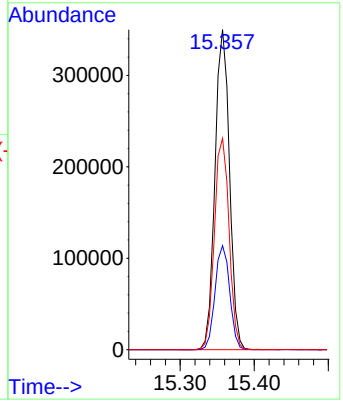




#61
4-Chlorophenyl-phenylether
Concen: 37.29 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:204 Resp: 47532

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.0	39.0
141	66.1	52.9	79.3



Instrument :
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ClientSampleId :
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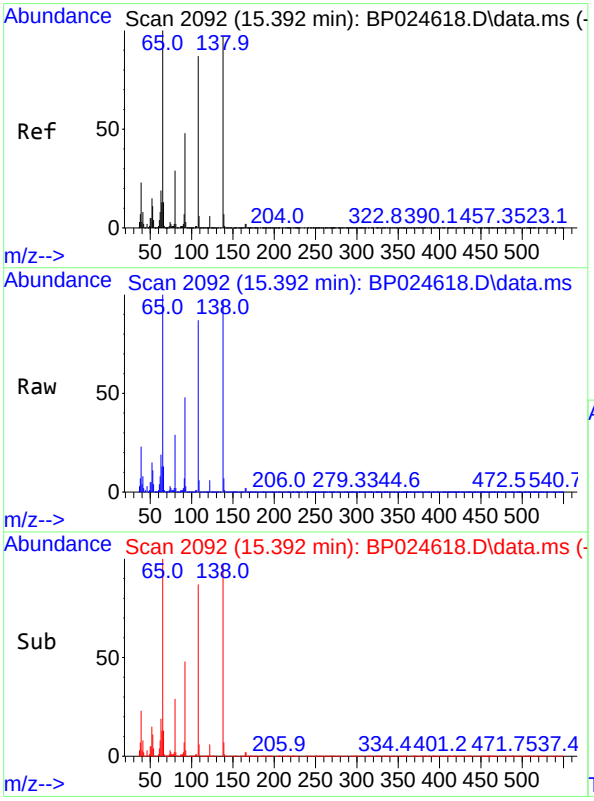
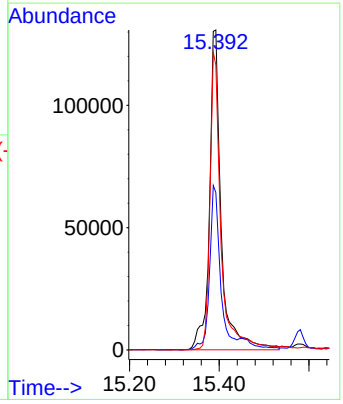
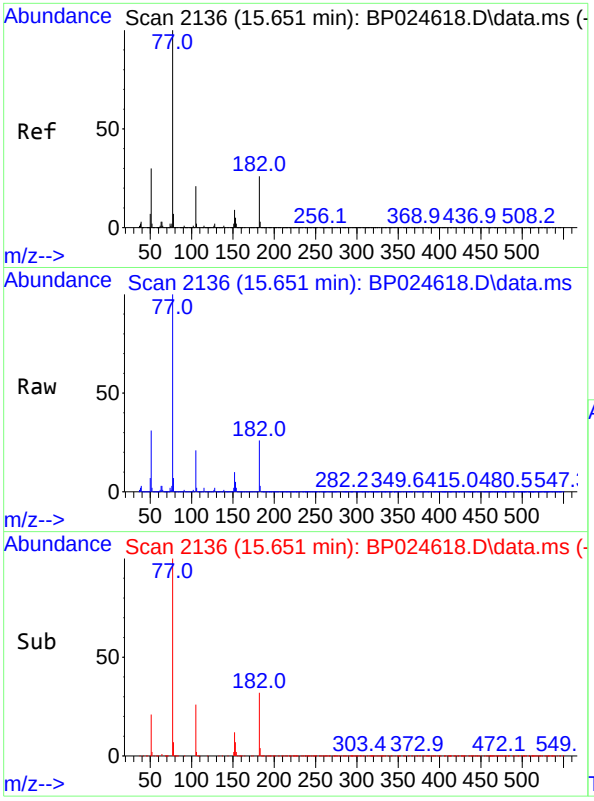


#62
4-Nitroaniline
Concen: 41.24 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 239212

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	89.0	69.0	109.0

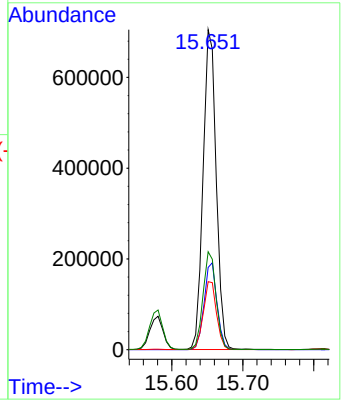




#63
Azobenzene
Concen: 37.94 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 90627

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.7	45.7
105	21.3	1.3	41.3
51	30.6	10.6	50.6



Instrument :
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ClientSampleId :
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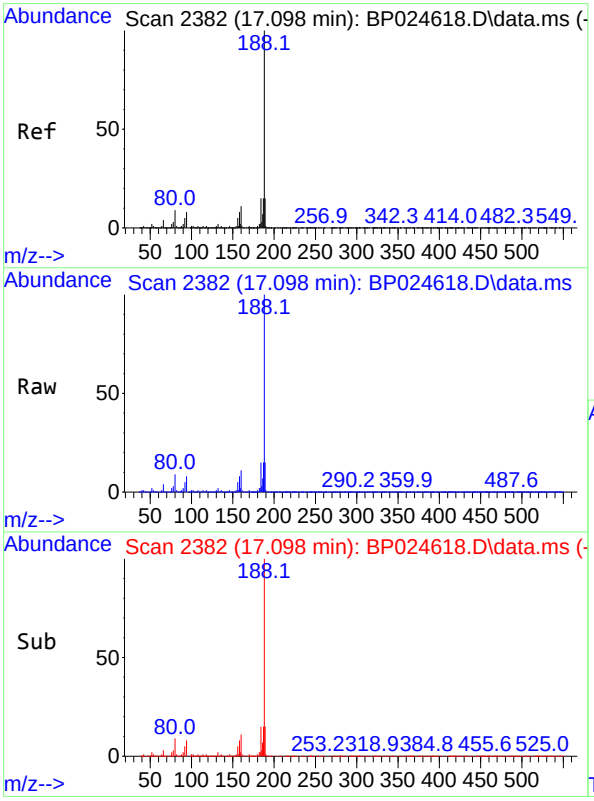
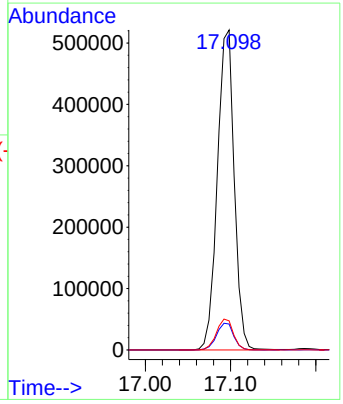
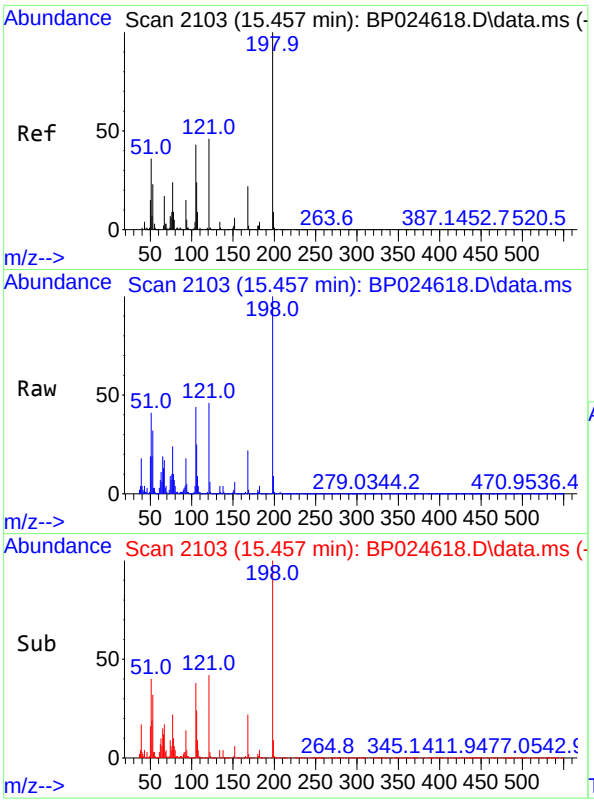


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:188 Resp: 717362

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	9.1	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.84 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:198 Resp: 18459

Ion	Ratio	Lower	Upper
198	100		
51	41.1	21.1	61.1
105	43.6	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
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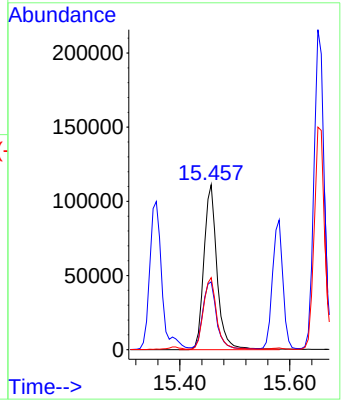
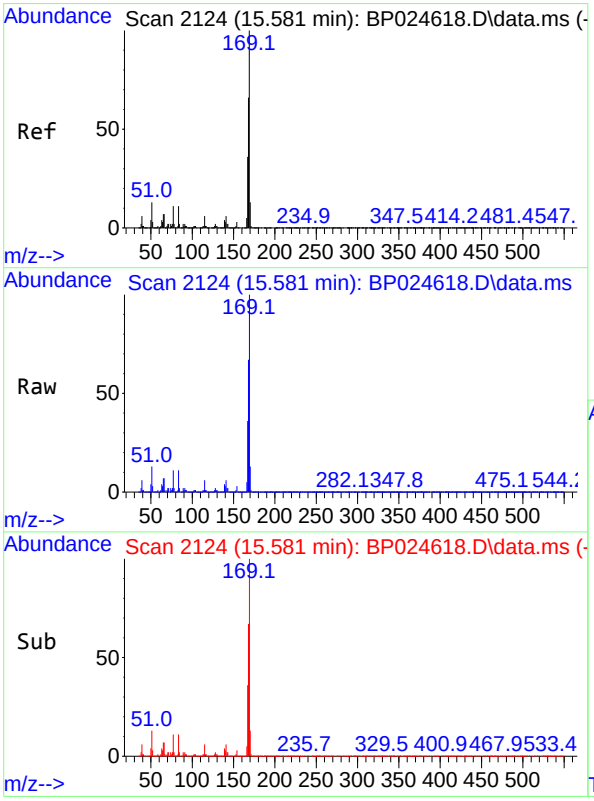
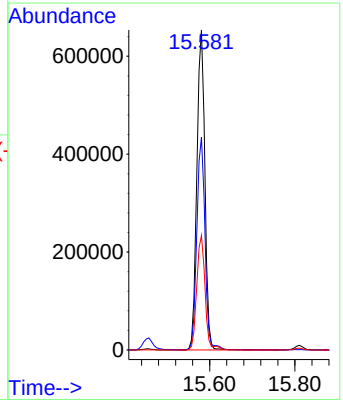


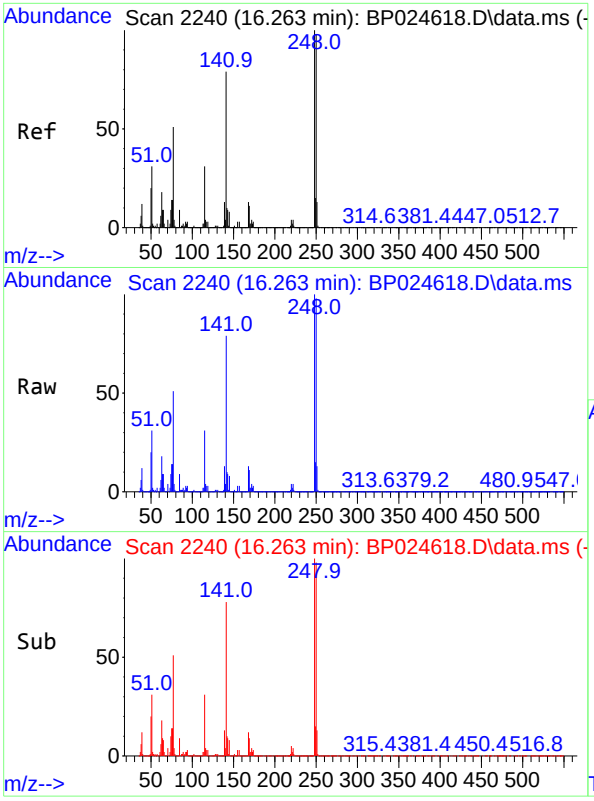


#66
n-Nitrosodiphenylamine
Concen: 38.63 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:169 Resp: 851188

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.8	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 38.28 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 32355

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	78.8	63.0	94.6

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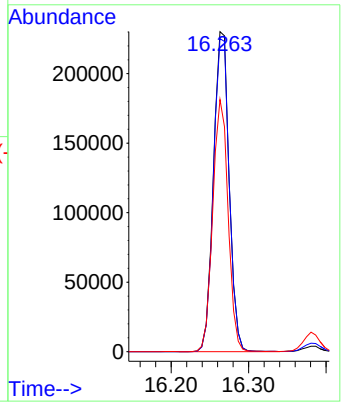
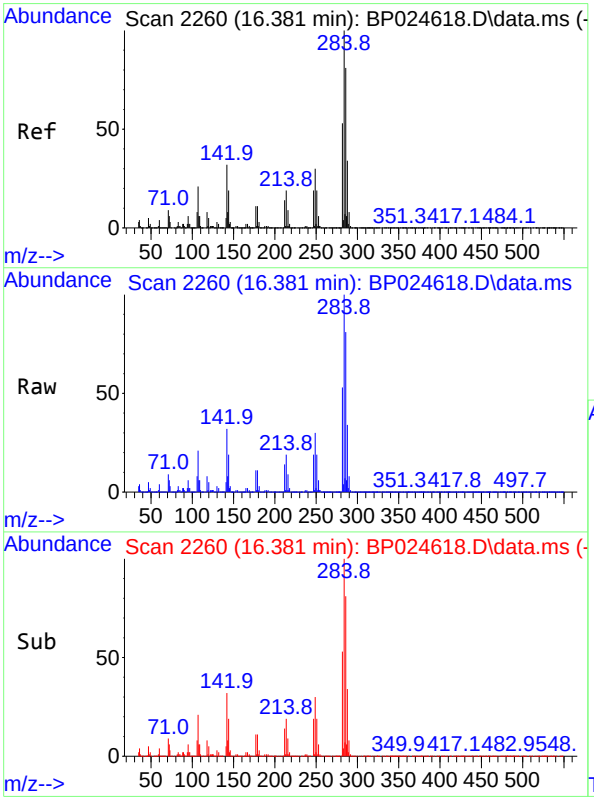
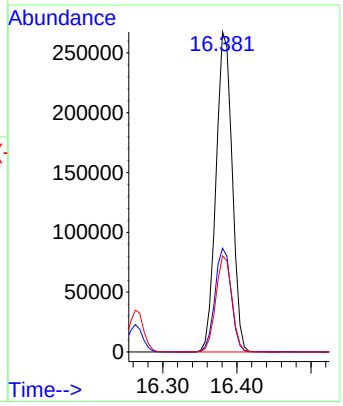


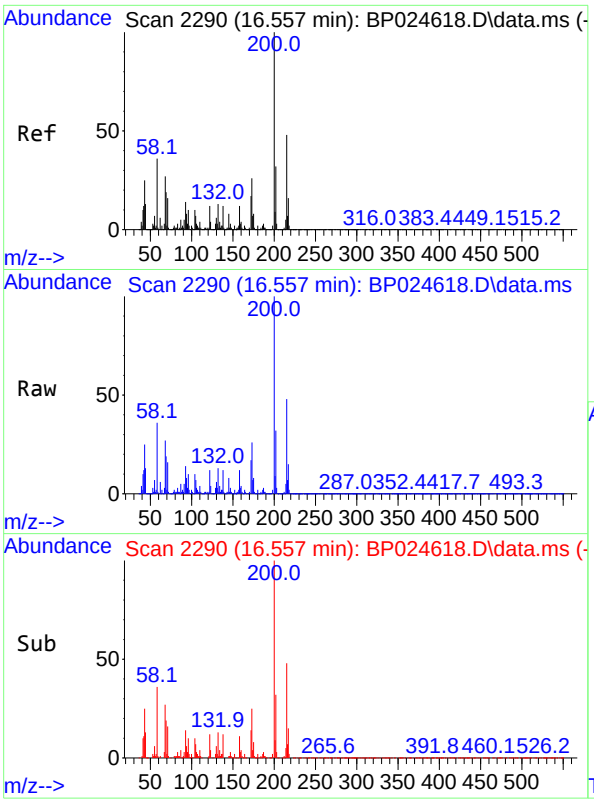


#68
Hexachlorobenzene
Concen: 37.60 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:284 Resp: 403916

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.9	38.9
249	30.1	24.1	36.1

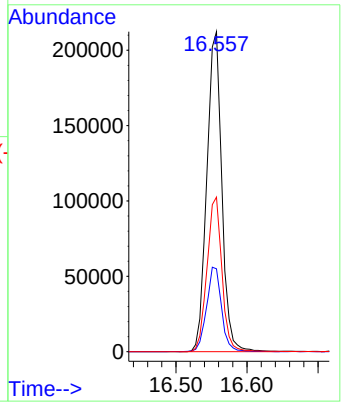




#69
Atrazine
Concen: 38.67 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:200 Resp: 31222

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	48.3	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
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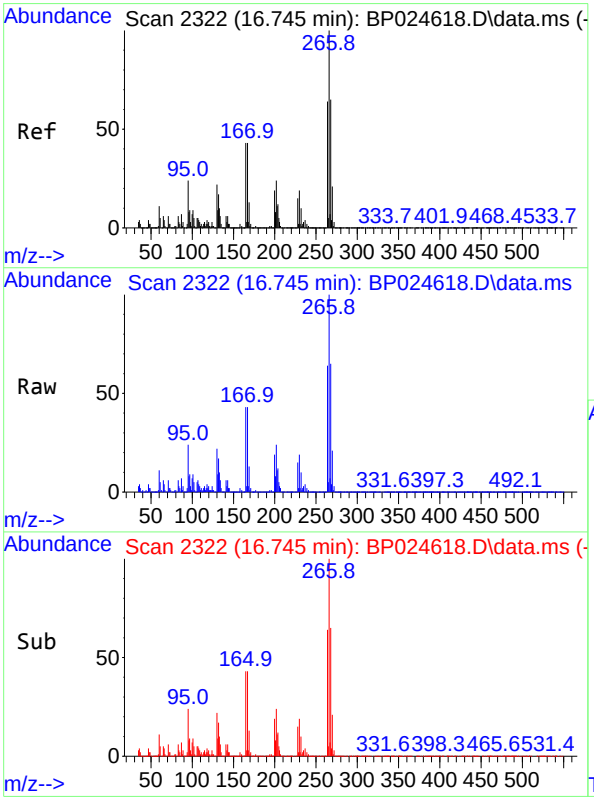
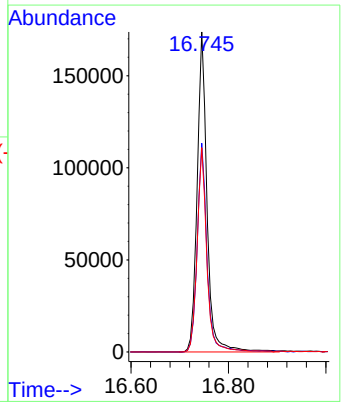
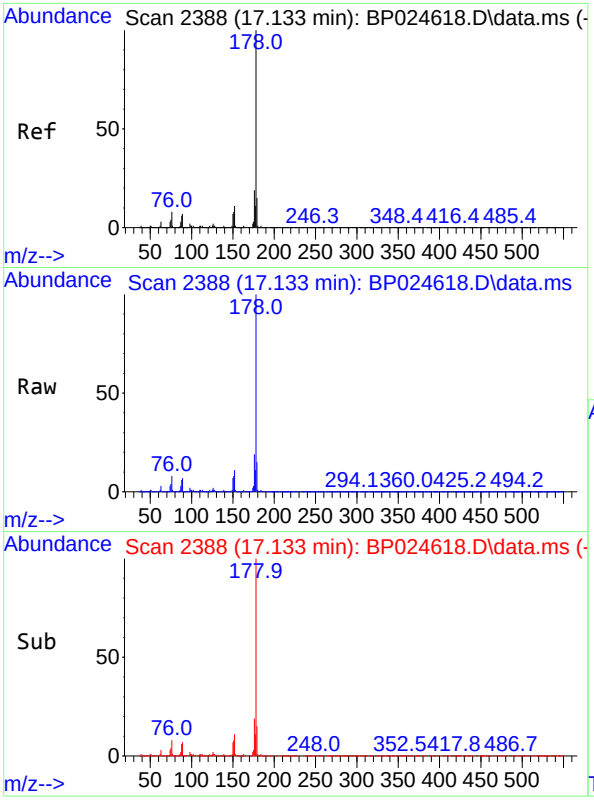


#70
Pentachlorophenol
Concen: 40.91 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:266 Resp: 246828

Ion	Ratio	Lower	Upper
266	100		
268	65.3	52.2	78.4
264	63.9	51.1	76.7

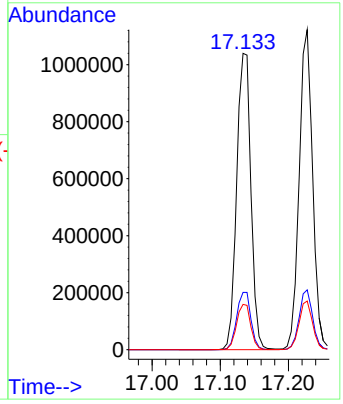




#71
Phenanthrene
Concen: 37.80 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 150760

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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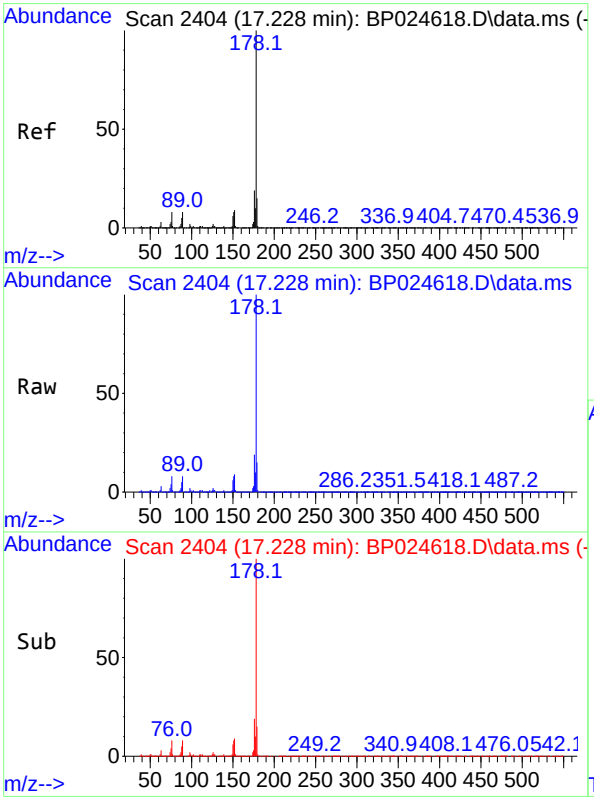
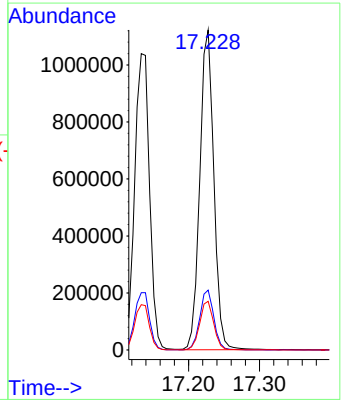
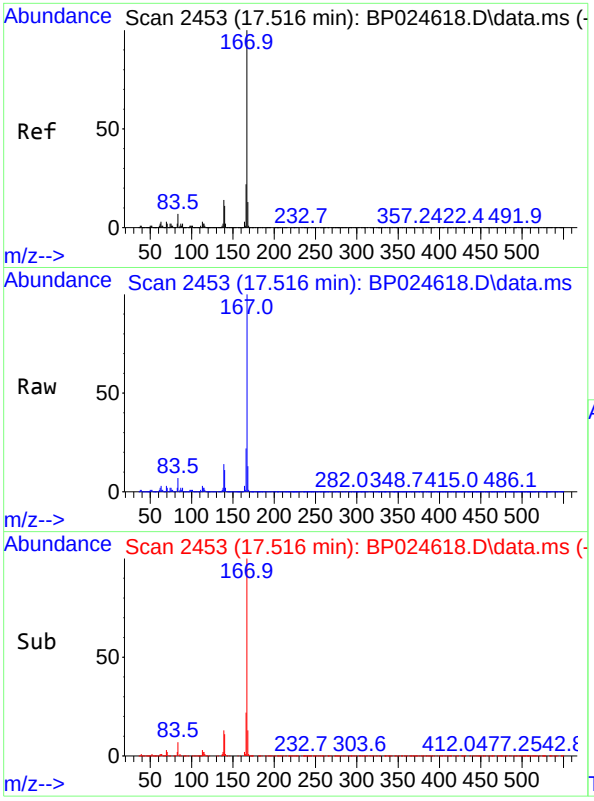


#72
Anthracene
Concen: 38.44 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 1542275

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.2	12.2	18.2

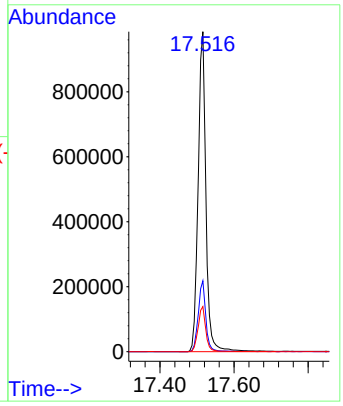




#73
Carbazole
Concen: 39.55 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:167 Resp: 143629

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.1	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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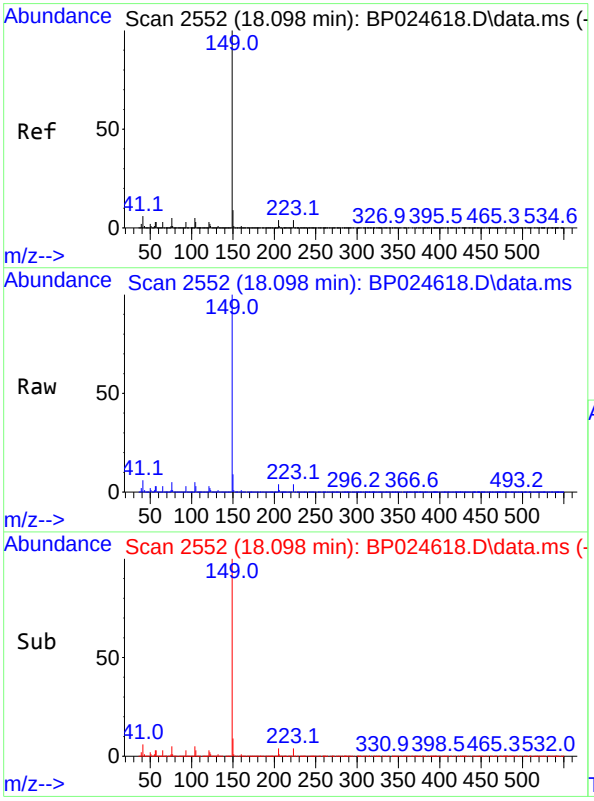
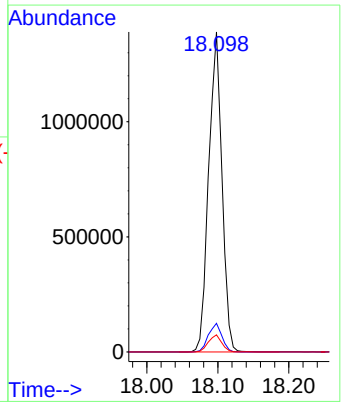
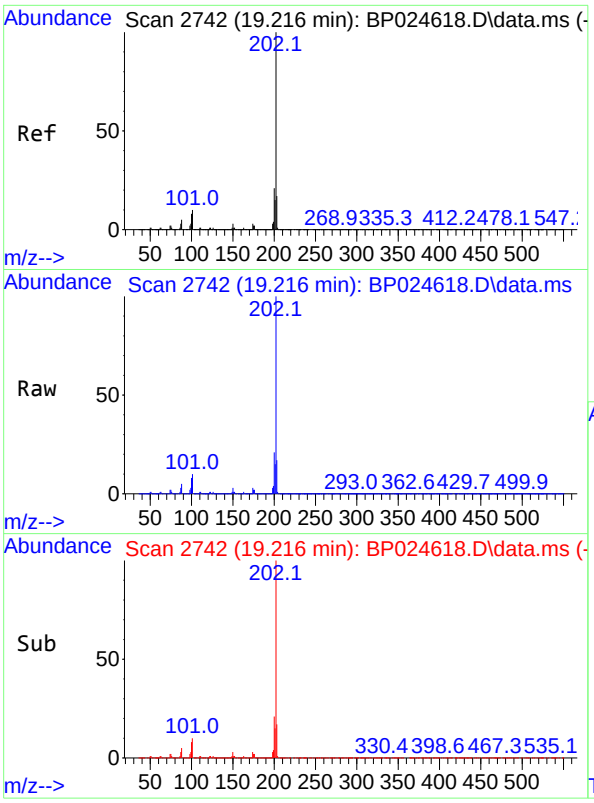


#74
Di-n-butylphthalate
Concen: 38.69 ng
RT: 18.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1807097

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	5.4	4.3	6.5

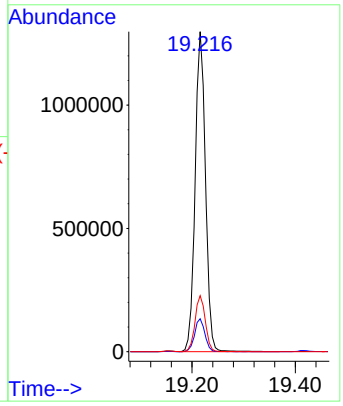




#75
Fluoranthene
Concen: 38.49 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 179404

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.3
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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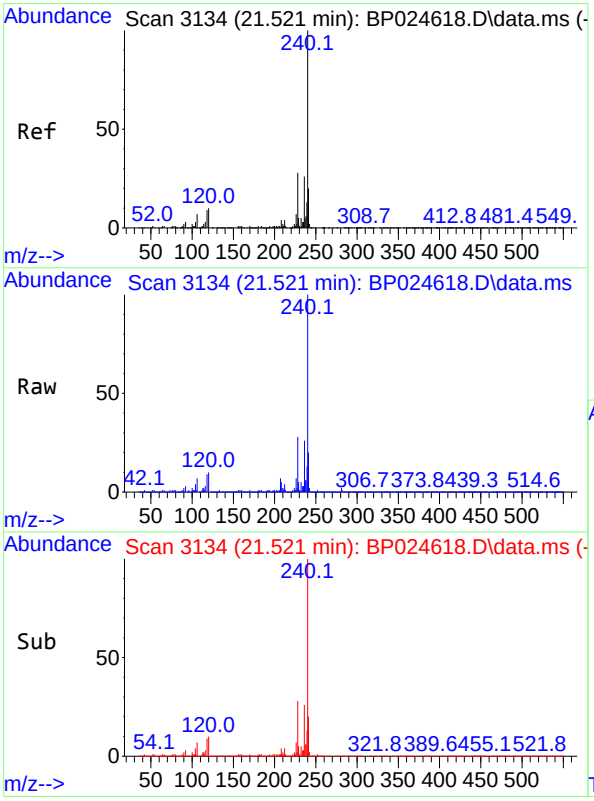
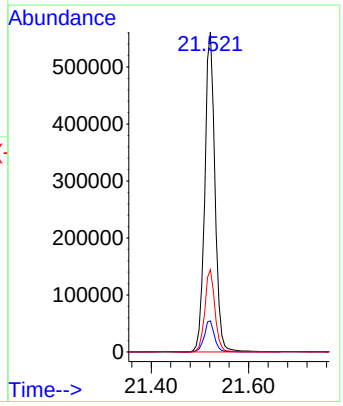
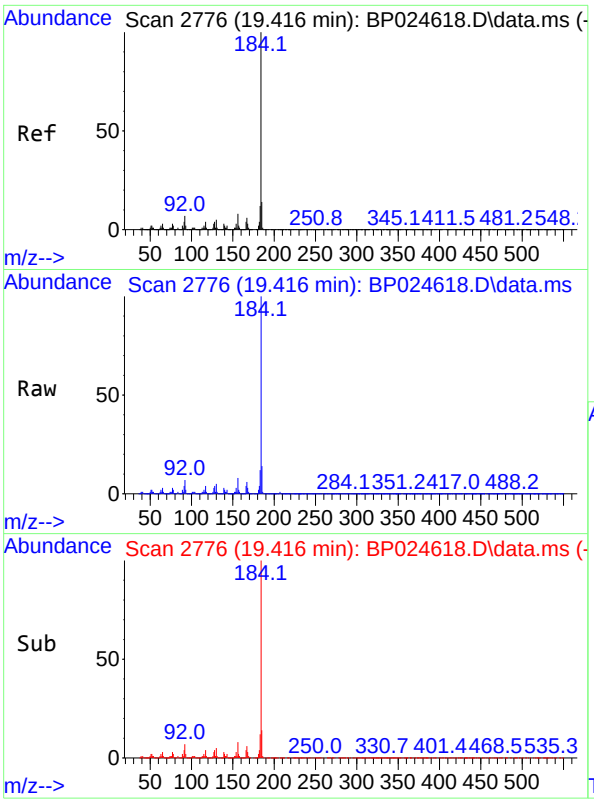


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:240 Resp: 810498

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.8	20.6	31.0

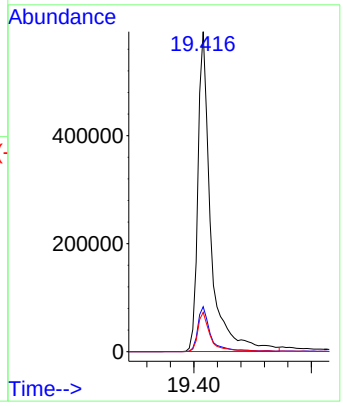




#77
Benzidine
Concen: 40.77 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 90710

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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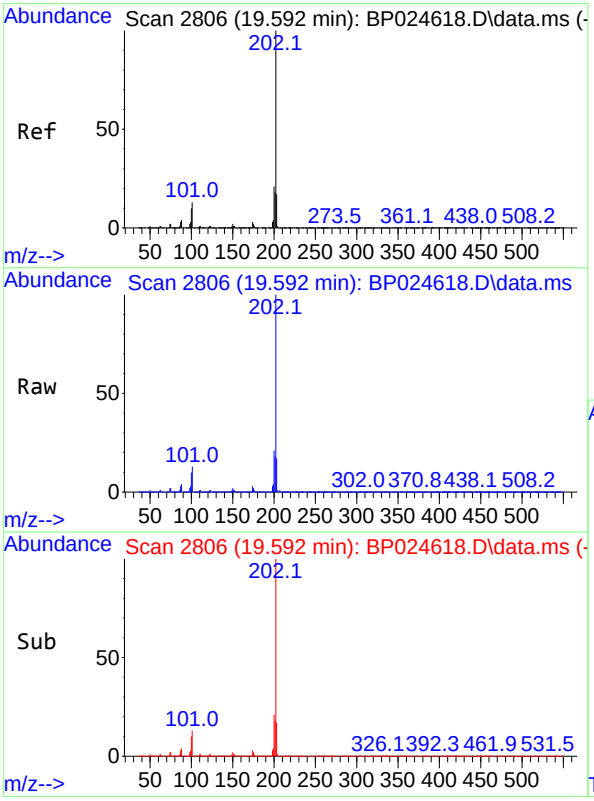
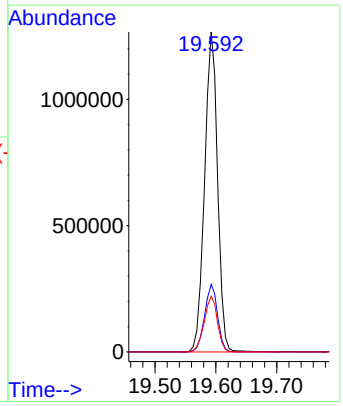
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

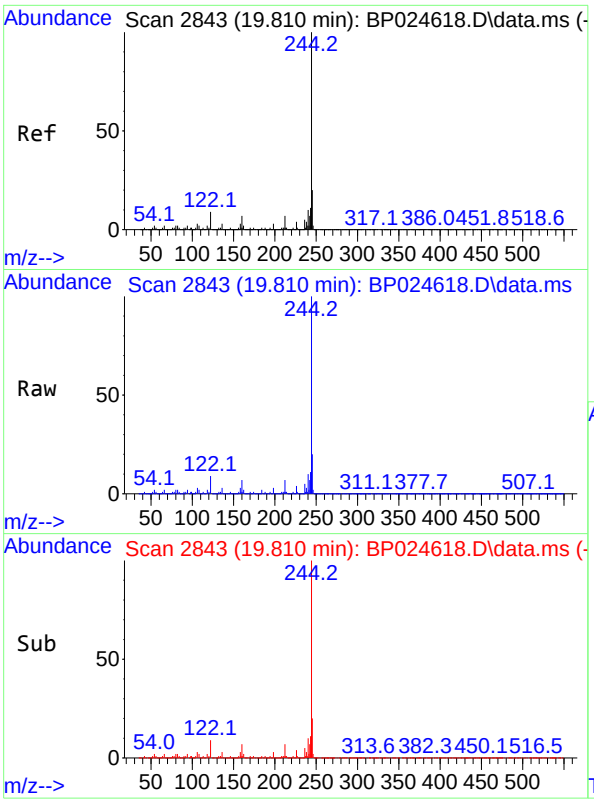


#78
Pyrene
Concen: 38.50 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 1869519

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9

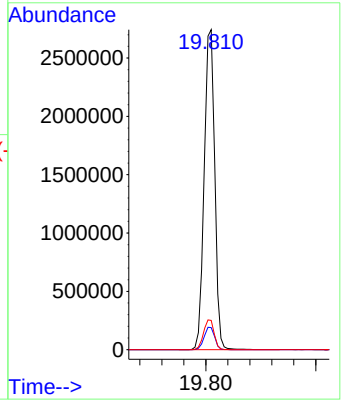




#79
Terphenyl-d14
Concen: 77.18 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:244 Resp: 364796

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.2	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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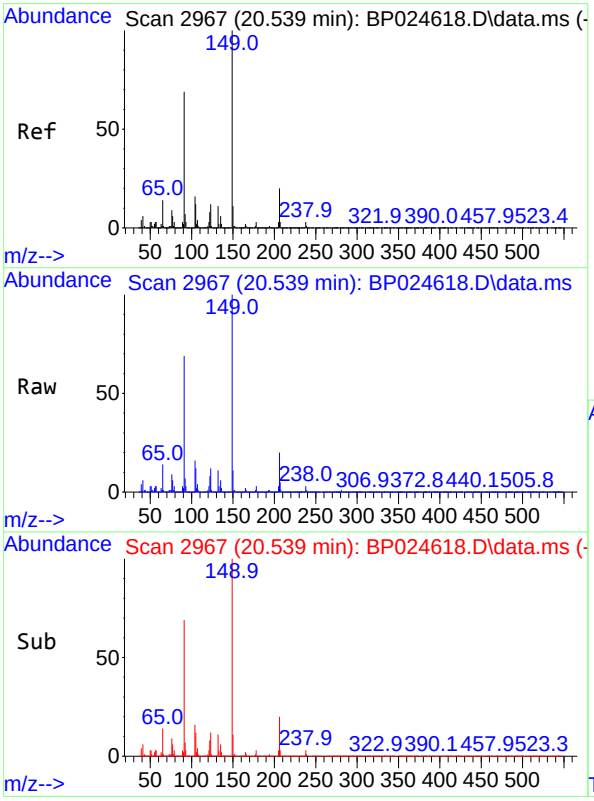
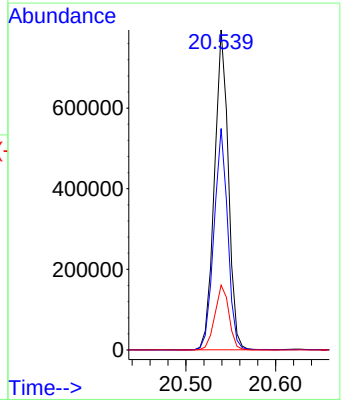
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

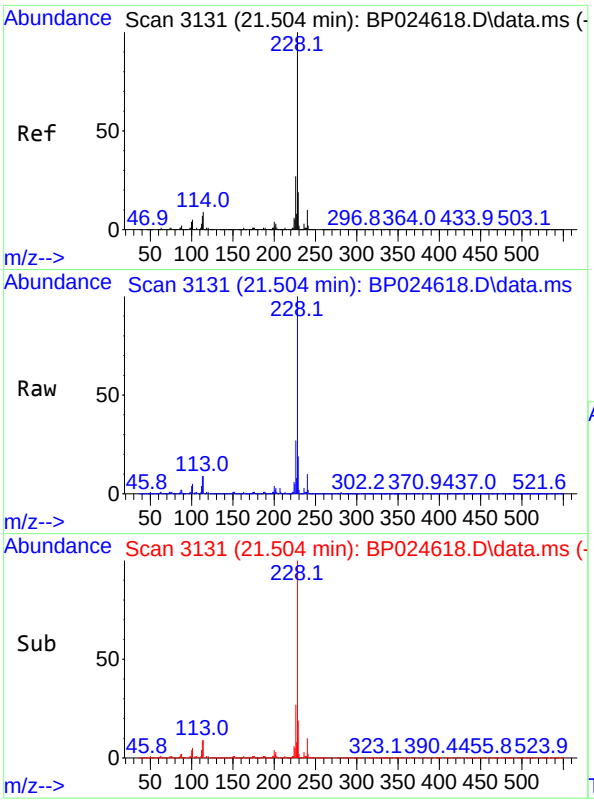


#80
Butylbenzylphthalate
Concen: 39.58 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 854913

Ion	Ratio	Lower	Upper
149	100		
91	69.2	55.4	83.0
206	20.2	16.2	24.2

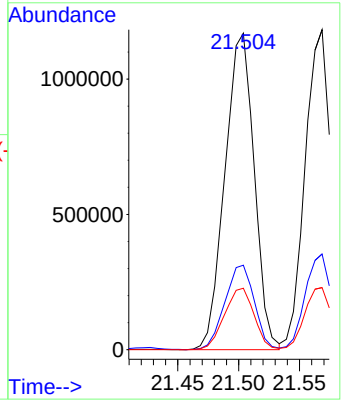




#81
Benzo(a)anthracene
Concen: 38.47 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 195763

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	19.4	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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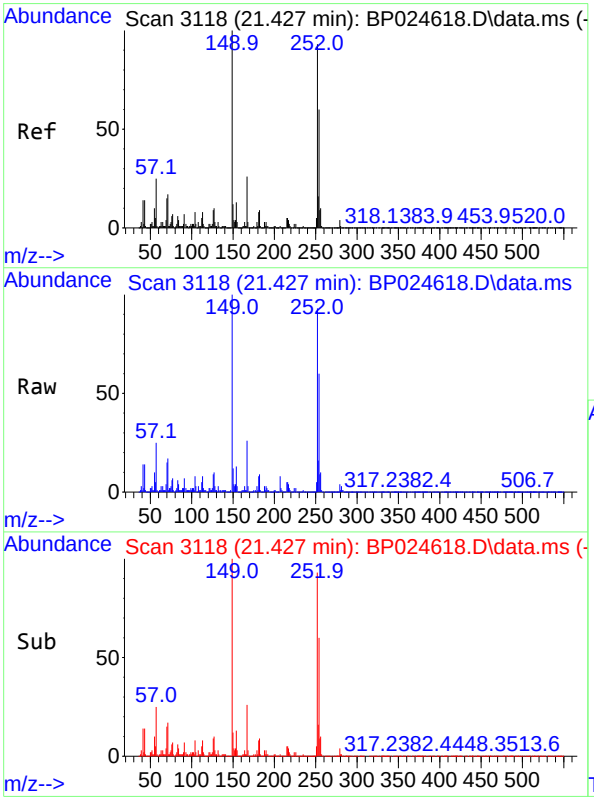
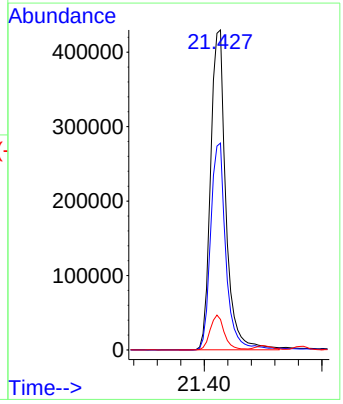
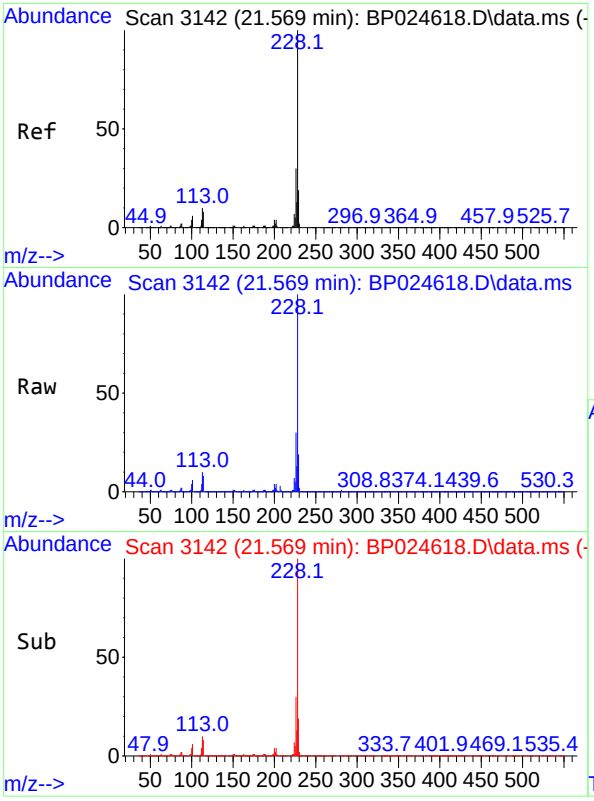


#82
3,3'-Dichlorobenzidine
Concen: 40.94 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 773866

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	9.6	7.7	11.5

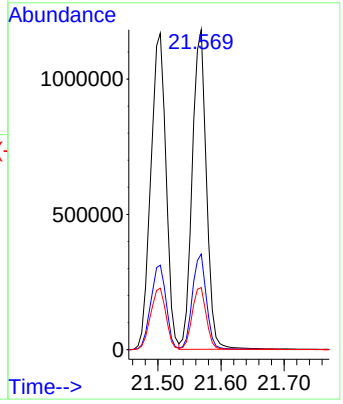




#83
Chrysene
Concen: 38.01 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 183395

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.4	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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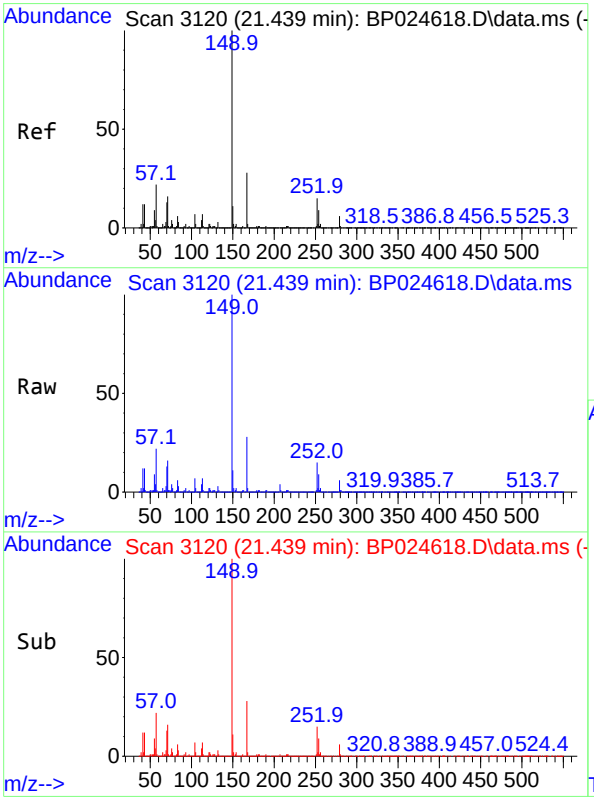
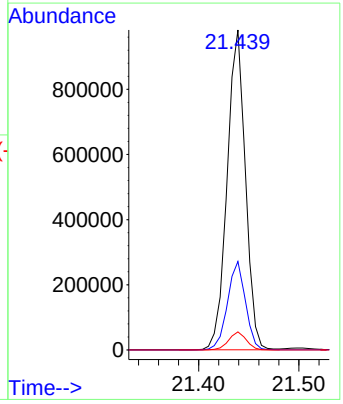
Supervised By :Jagrut Upadhyay 05/14/2025

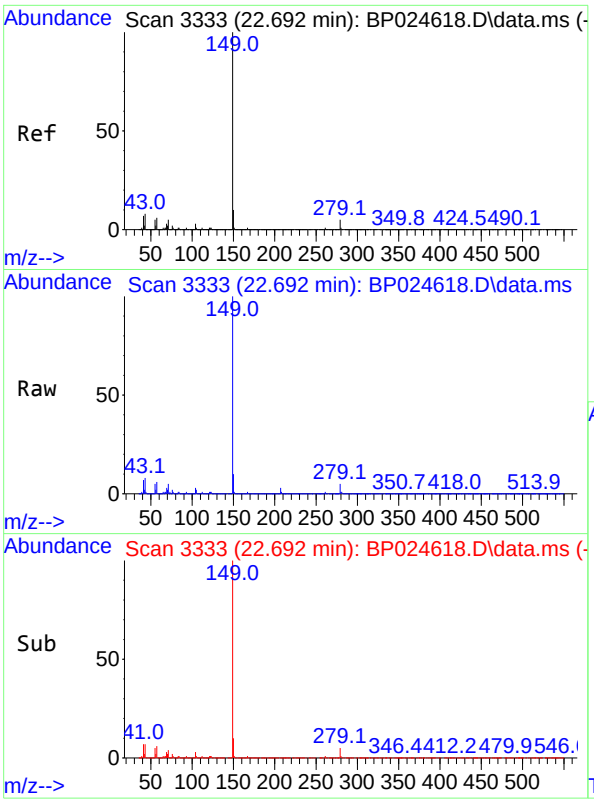


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.09 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1240956

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 39.97 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 207469

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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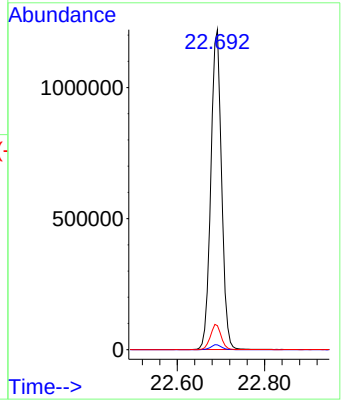
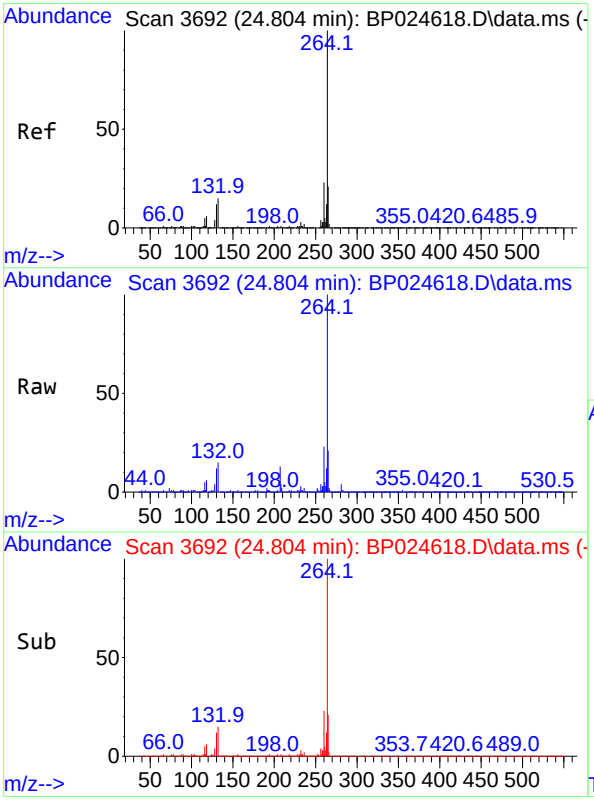
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

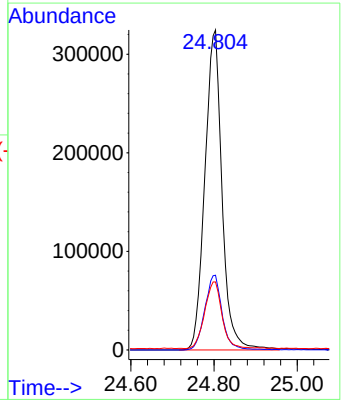


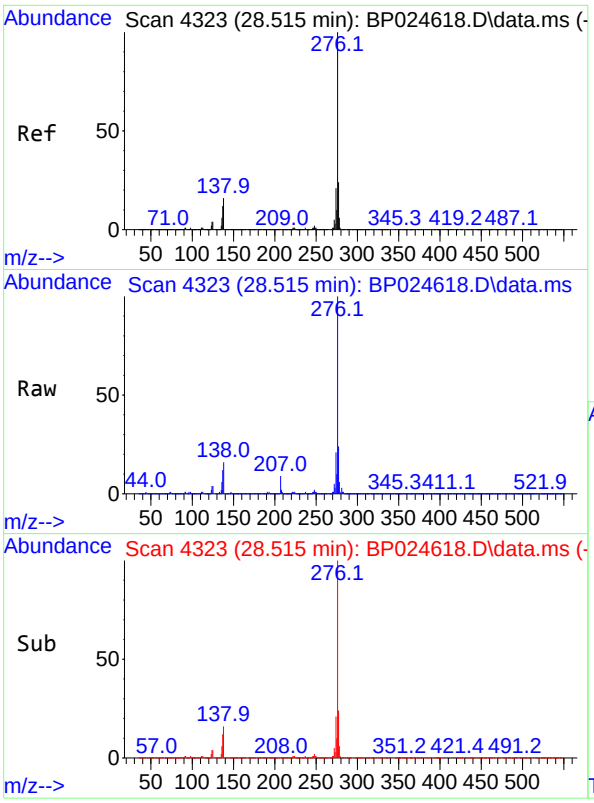


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:264 Resp: 929890

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.3	17.0	25.6

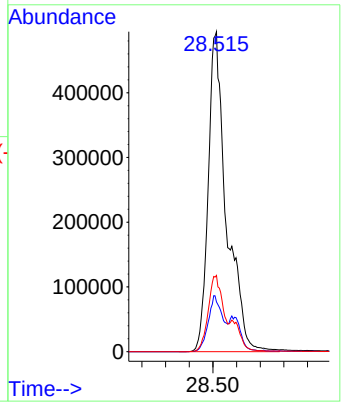




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.00 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 264864

Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.2	16.8
277	19.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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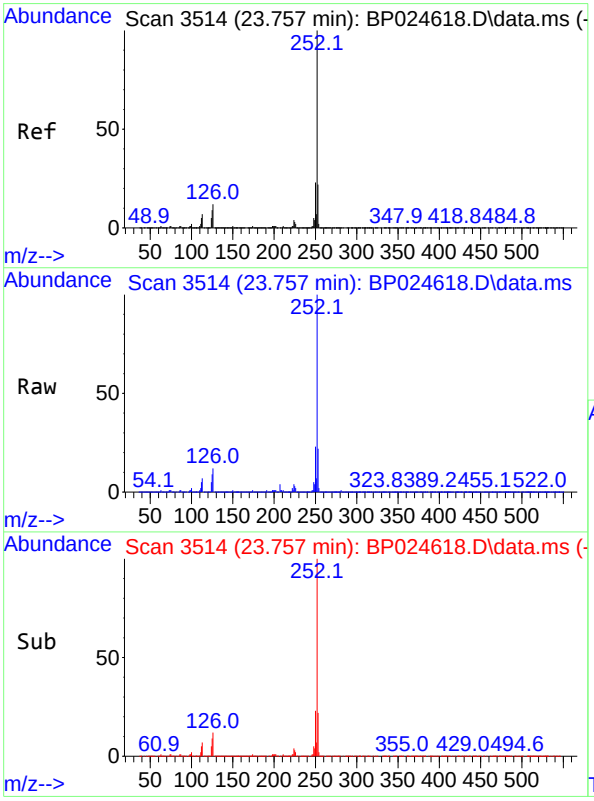
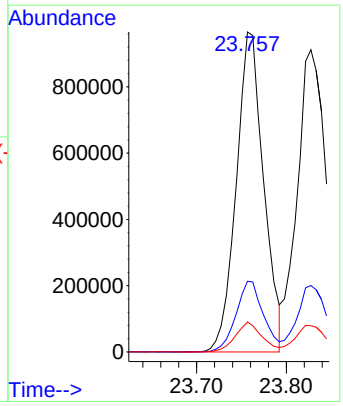
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

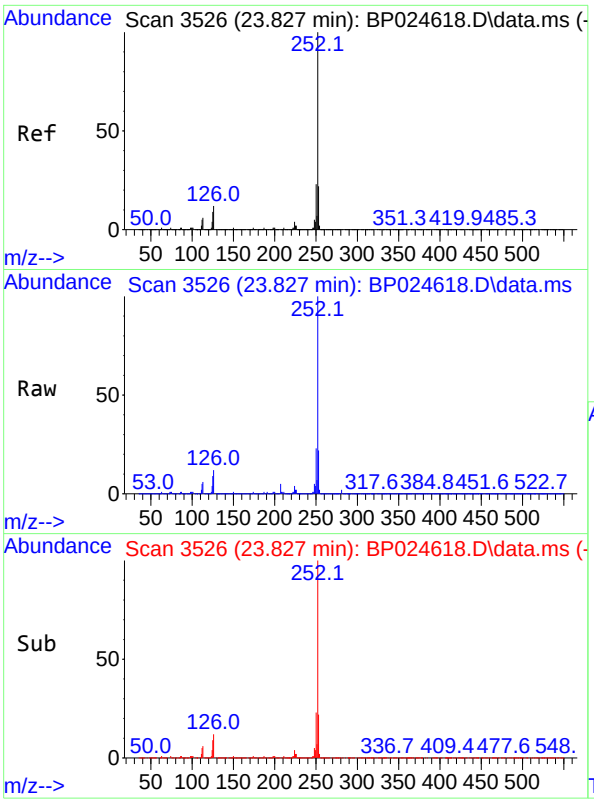


#88
Benzo(b)fluoranthene
Concen: 38.53 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 2050806

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.4	7.5	11.3

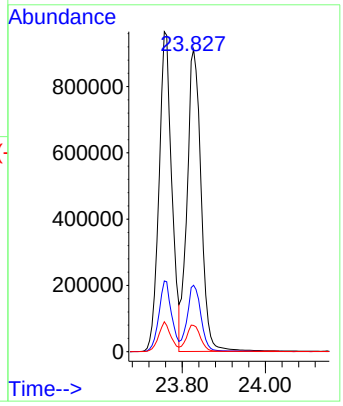




#89
Benzo(k)fluoranthene
Concen: 38.67 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 212072

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.7	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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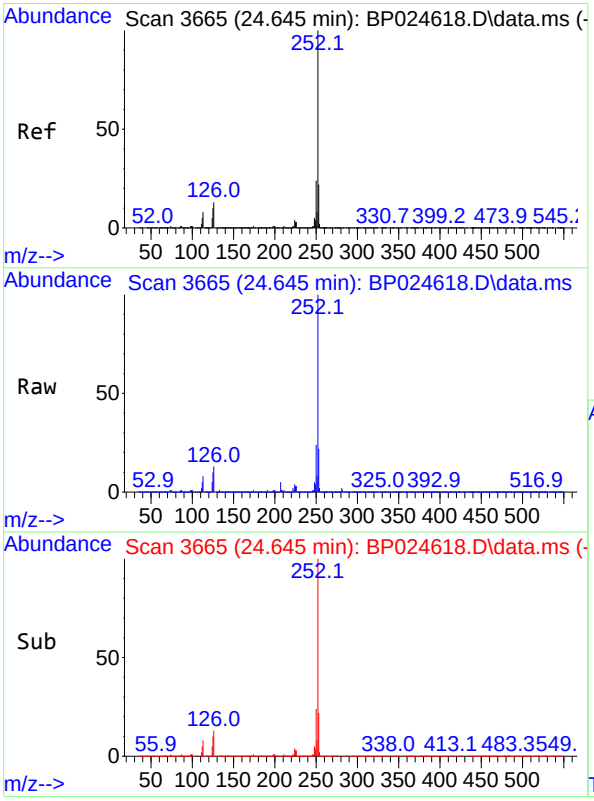
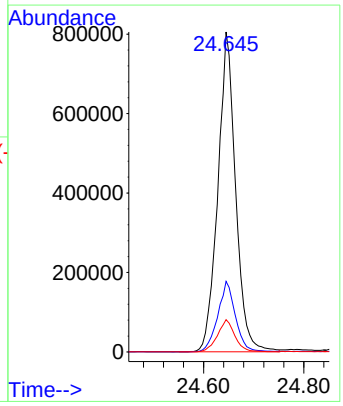
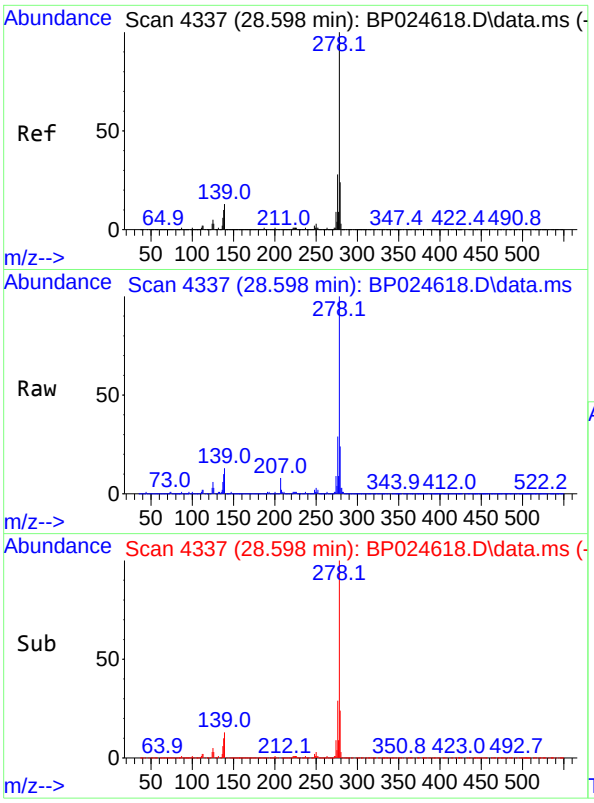


#90
Benzo(a)pyrene
Concen: 38.71 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 1979017

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.1	8.1	12.1

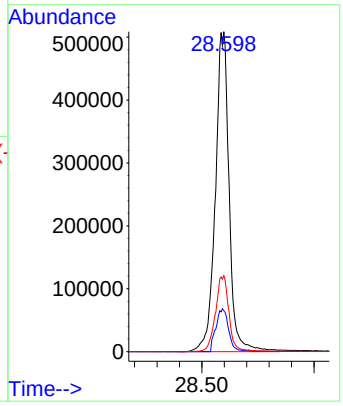




#91
Dibenzo(a,h)anthracene
Concen: 39.30 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:278 Resp: 217071

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.4
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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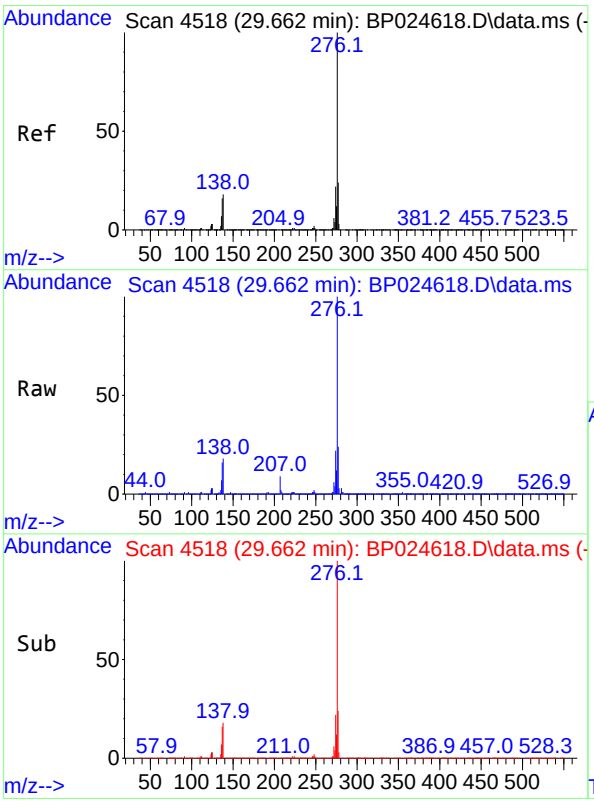
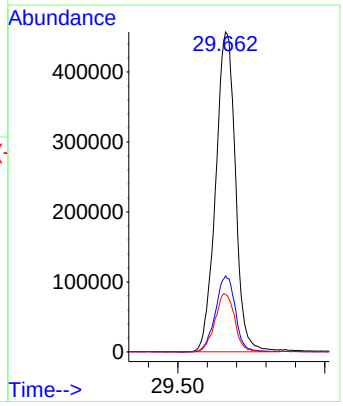
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 38.84 ng
RT: 29.662 min Scan# 4518
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 2132921

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	18.0	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	111395	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	489806	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	318760	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	628781	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	717340	20.00	ng		0.00
86) Perylene-d12	24.810	264	811421	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	708626	108.80	ng		0.00
7) Phenol-d6	6.852	99	930484	111.94	ng		0.00
23) Nitrobenzene-d5	8.810	82	1049445	108.26	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	587523	108.72	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	2553765	104.96	ng		0.00
79) Terphenyl-d14	19.822	244	4398872	105.15	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	156571	51.20	ng		98
3) Pyridine	3.622	79	379522	55.97	ng		99
4) n-Nitrosodimethylamine	3.534	42	161654	54.00	ng		99
6) Aniline	7.005	93	593141	55.27	ng		99
8) 2-Chlorophenol	7.240	128	408016	55.19	ng		99
9) Benzaldehyde	6.822	77	290405	54.06	ng		100
10) Phenol	6.881	94	475413	55.41	ng		99
11) bis(2-Chloroethyl)ether	7.093	93	377787	53.59	ng		100
12) 1,3-Dichlorobenzene	7.552	146	451750	53.11	ng		99
13) 1,4-Dichlorobenzene	7.699	146	455796	53.28	ng		99
14) 1,2-Dichlorobenzene	8.010	146	439707	52.74	ng		100
15) Benzyl Alcohol	7.910	79	363689	57.58	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	450215	53.33	ng		98
17) 2-Methylphenol	8.110	107	347065	56.40	ng		98
18) Hexachloroethane	8.728	117	173580	52.95	ng		98
19) n-Nitroso-di-n-propyla...	8.463	70	318058	55.32	ng		99
20) 3+4-Methylphenols	8.440	107	474048	56.64	ng		98
22) Acetophenone	8.481	105	653878	53.44	ng	#	98
24) Nitrobenzene	8.852	77	456929	53.56	ng		99
25) Isophorone	9.375	82	921892	54.82	ng		99
26) 2-Nitrophenol	9.557	139	239844	57.38	ng		98
27) 2,4-Dimethylphenol	9.628	122	402585	54.62	ng		99
28) bis(2-Chloroethoxy)met...	9.852	93	542581	54.01	ng		100
29) 2,4-Dichlorophenol	10.099	162	400983	56.14	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	424561	52.75	ng		97
31) Naphthalene	10.481	128	1336265	52.65	ng		100
32) Benzoic acid	9.787	122	263657	50.71	ng		99
33) 4-Chloroaniline	10.599	127	569812	55.63	ng		99
34) Hexachlorobutadiene	10.769	225	271578	52.09	ng		99
35) Caprolactam	11.393	113	148586	57.53	ng		98
36) 4-Chloro-3-methylphenol	11.734	107	478787	54.97	ng		99
37) 2-Methylnaphthalene	12.093	142	873274	53.13	ng		99
38) 1-Methylnaphthalene	12.316	142	919827	52.31	ng		98
40) 1,2,4,5-Tetrachloroben...	12.469	216	497848	53.78	ng		100
41) Hexachlorocyclopentadiene	12.446	237	334752	59.64	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	341059	56.89	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

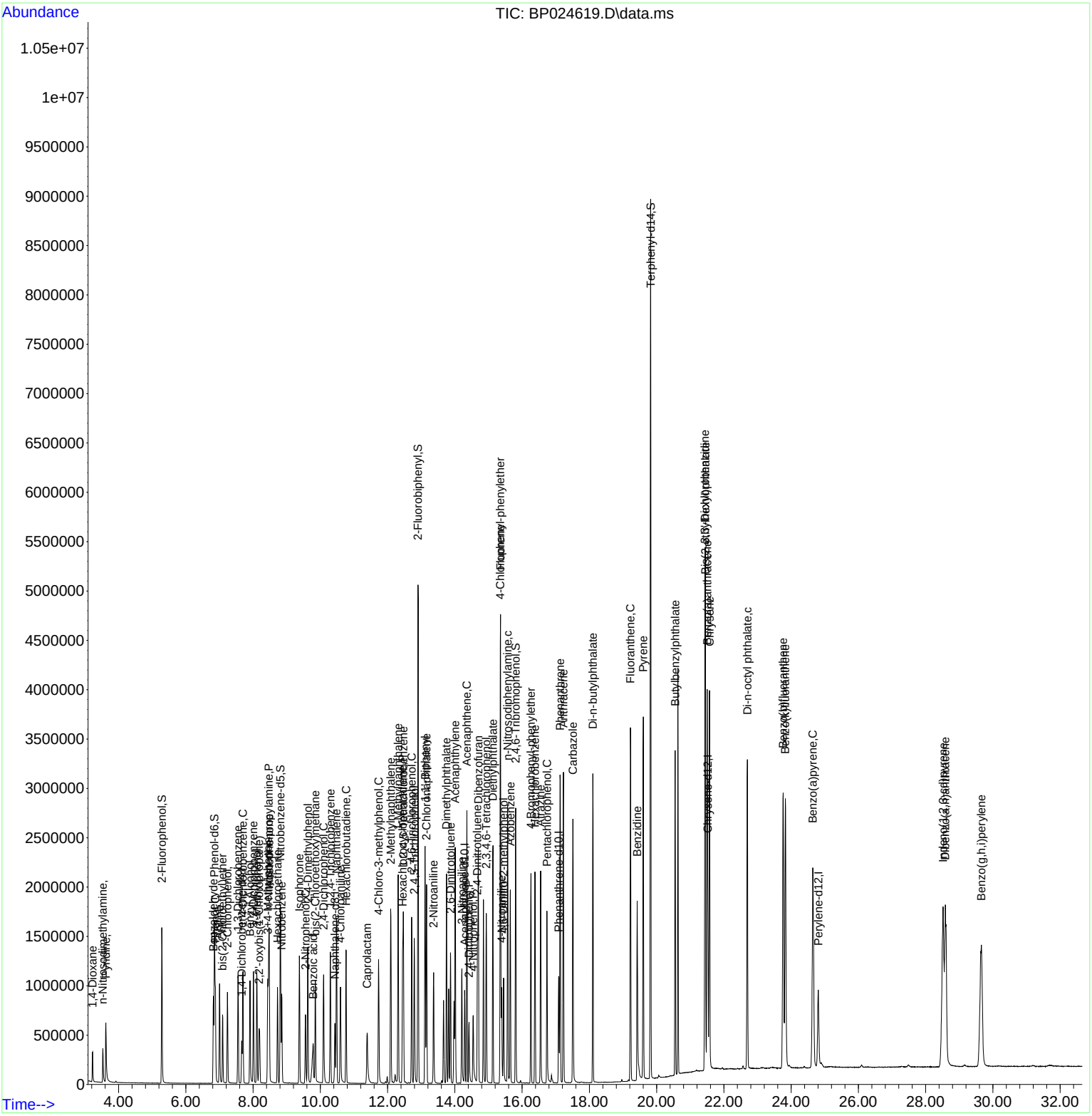
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.793	196	375330	56.24	ng	98
46) 1,1'-Biphenyl	13.116	154	1263640	53.64	ng	100
47) 2-Chloronaphthalene	13.157	162	952857	53.04	ng	99
48) 2-Nitroaniline	13.369	65	303475	57.06	ng	99
49) Acenaphthylene	14.010	152	1616938	53.79	ng	100
50) Dimethylphthalate	13.751	163	1283491	52.83	ng	99
51) 2,6-Dinitrotoluene	13.875	165	281728	54.91	ng	99
52) Acenaphthene	14.357	154	923238	53.42	ng	100
53) 3-Nitroaniline	14.210	138	302341	57.71	ng	99
54) 2,4-Dinitrophenol	14.422	184	159888	51.86	ng	98
55) Dibenzofuran	14.698	168	1447333	52.50	ng	99
56) 4-Nitrophenol	14.545	139	238294	53.99	ng	99
57) 2,4-Dinitrotoluene	14.669	165	404684	55.94	ng	98
58) Fluorene	15.357	166	1190632	52.97	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	341204	55.11	ng	100
60) Diethylphthalate	15.134	149	1305791	53.18	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	590421	52.67	ng	97
62) 4-Nitroaniline	15.392	138	298681	58.55	ng	99
63) Azobenzene	15.651	77	1121556	53.39	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	234095	57.64	ng	98
66) n-Nitrosodiphenylamine	15.569	169	1048396	54.28	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	396385	53.50	ng	99
68) Hexachlorobenzene	16.381	284	504987	53.64	ng	99
69) Atrazine	16.551	200	389749	55.07	ng	100
70) Pentachlorophenol	16.739	266	310477	58.71	ng	98
71) Phenanthrene	17.128	178	1838891	52.61	ng	100
72) Anthracene	17.228	178	1894573	53.87	ng	100
73) Carbazole	17.510	167	1750681	55.00	ng	100
74) Di-n-butylphthalate	18.104	149	2275163	55.58	ng	100
75) Fluoranthene	19.222	202	2199818	53.84	ng	100
77) Benzidine	19.422	184	1178505	59.85	ng	99
78) Pyrene	19.604	202	2282702	53.11	ng	100
80) Butylbenzylphthalate	20.551	149	1083395	56.68	ng	97
81) Benzo(a)anthracene	21.504	228	2396398	53.20	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	966906	57.80	ng	100
83) Chrysene	21.574	228	2250800	52.71	ng	100
84) Bis(2-ethylhexyl)phtha...	21.451	149	1585070	56.42	ng	100
85) Di-n-octyl phthalate	22.698	149	2614856	56.91	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	3262830	55.06	ng	99
88) Benzo(b)fluoranthene	23.763	252	2612438	56.25	ng	99
89) Benzo(k)fluoranthene	23.827	252	2552663	53.34	ng	99
90) Benzo(a)pyrene	24.645	252	2475976	55.51	ng	100
91) Dibenzo(a,h)anthracene	28.586	278	2679367	55.60	ng	99
92) Benzo(g,h,i)perylene	29.656	276	2625625	54.79	ng	99

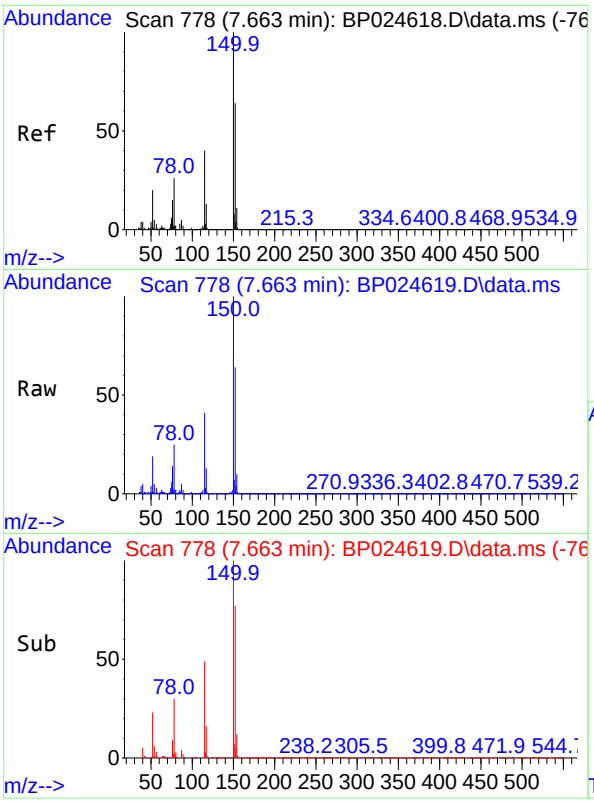
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



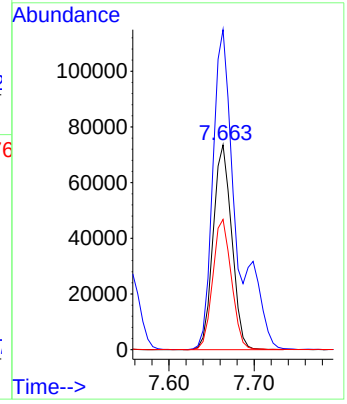


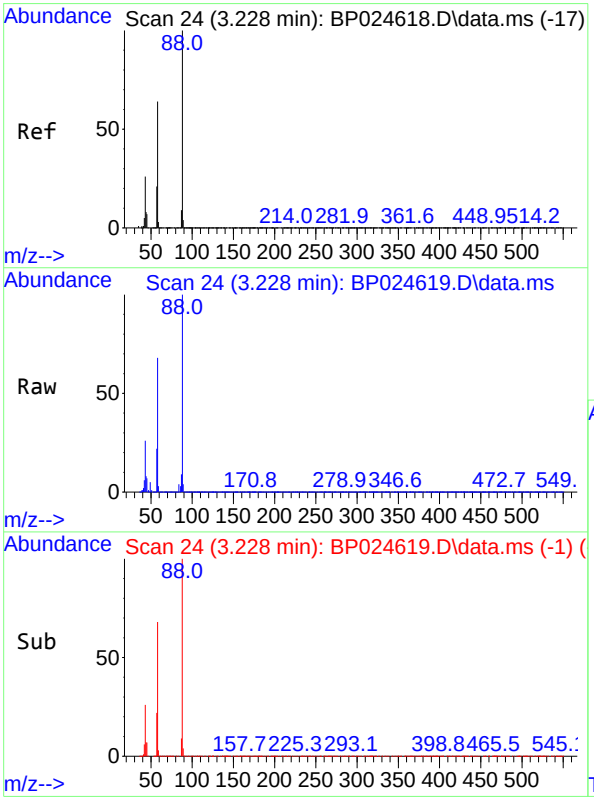
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 111395

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.9	188.9
115	63.6	50.1	75.1

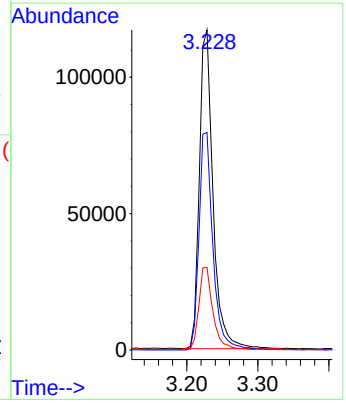


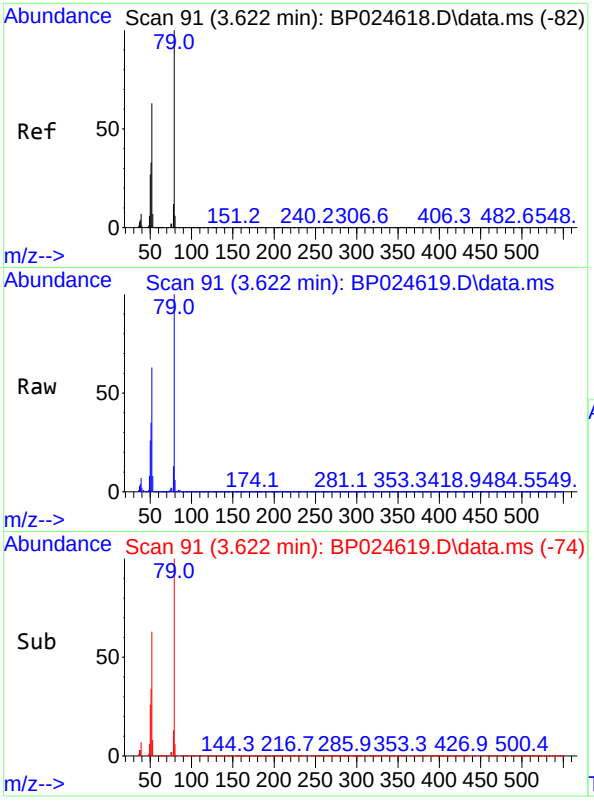


#2
1,4-Dioxane
Concen: 51.20 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 88 Resp: 156571

Ion	Ratio	Lower	Upper
88	100		
58	70.0	54.0	81.0
43	26.5	21.4	32.0



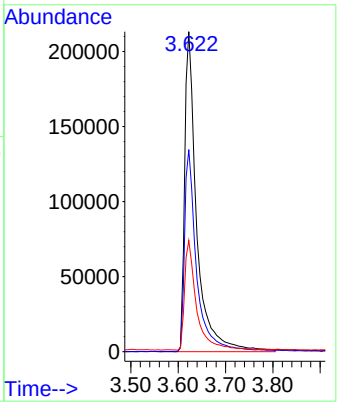


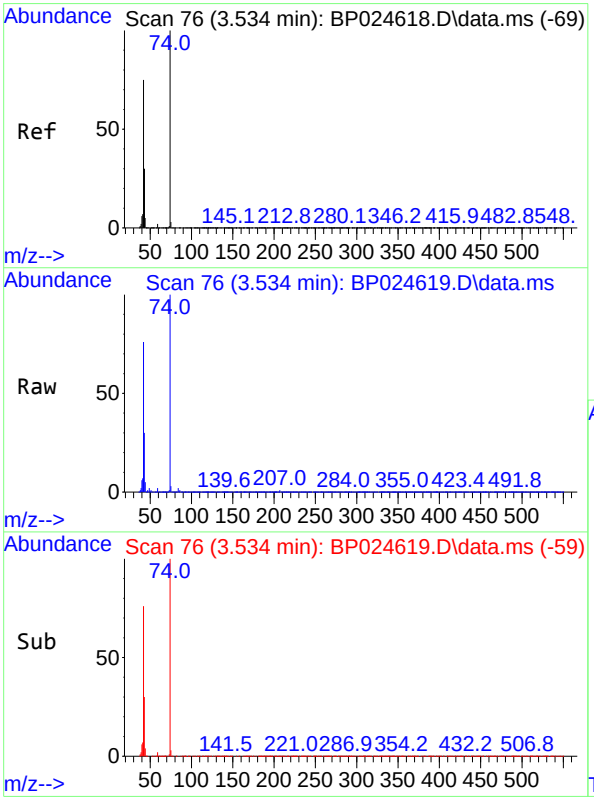
#3
Pyridine
Concen: 55.97 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 379522

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.2	75.2
51	34.8	26.8	40.2

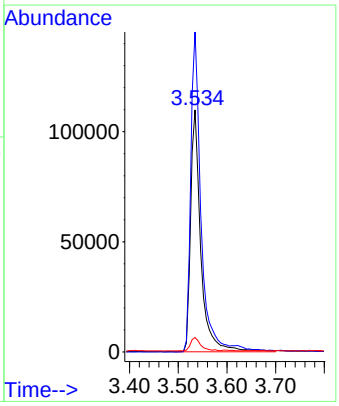


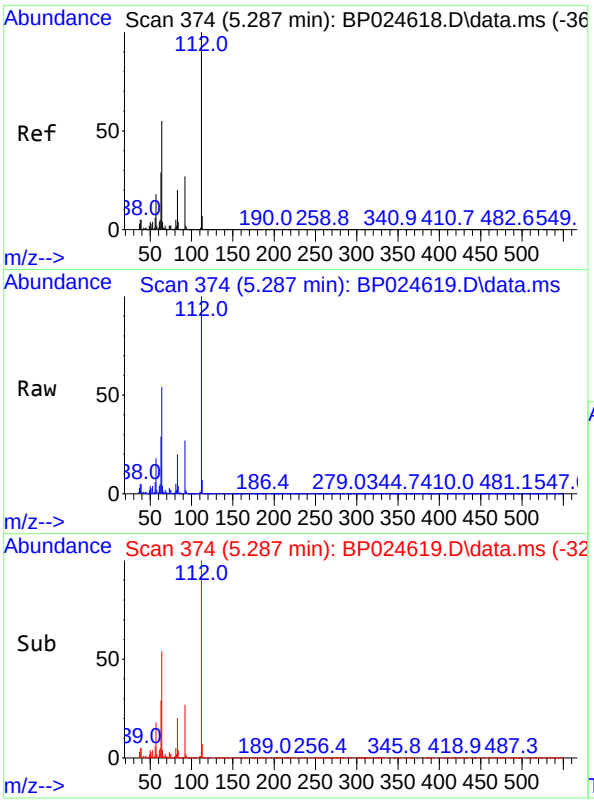


#4
n-Nitrosodimethylamine
Concen: 54.00 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 42 Resp: 161654

Ion	Ratio	Lower	Upper
42	100		
74	132.2	106.2	159.2
44	6.0	5.4	8.2



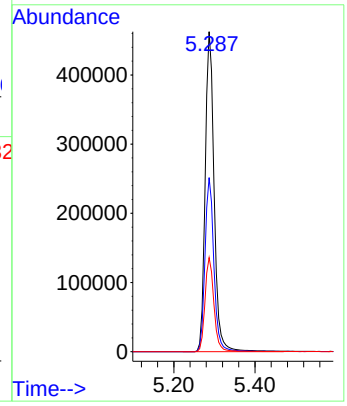


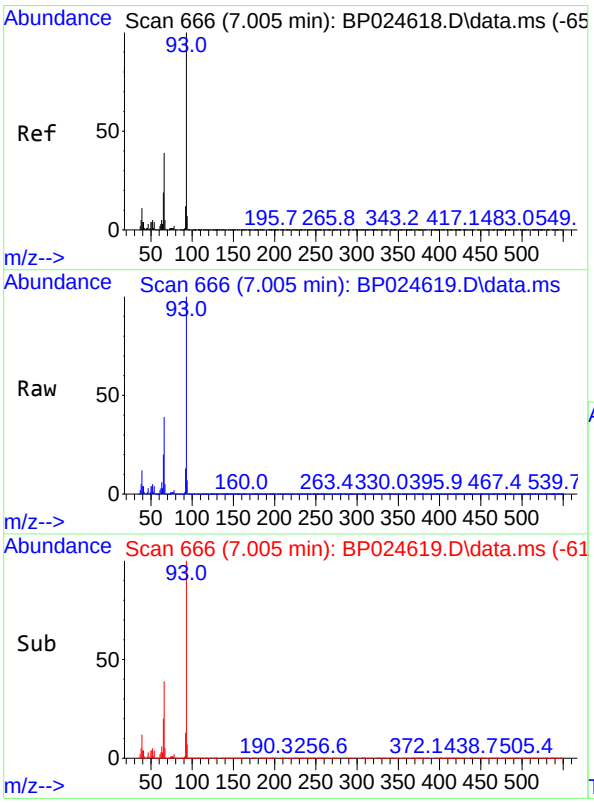
#5
2-Fluorophenol
Concen: 108.80 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 708626

Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.1	66.1
63	29.4	23.5	35.3

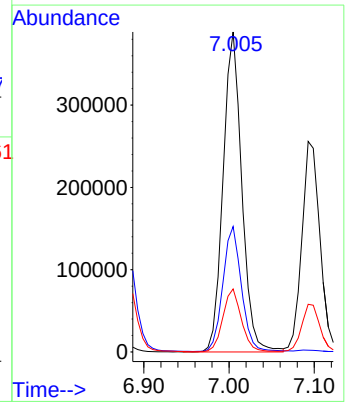


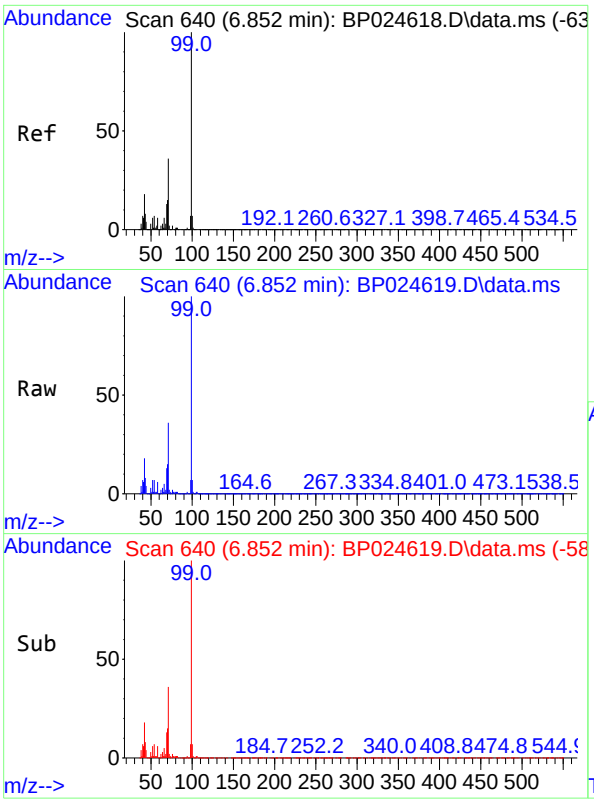


#6
Aniline
Concen: 55.27 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 593141

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.0	46.6
65	19.7	15.5	23.3



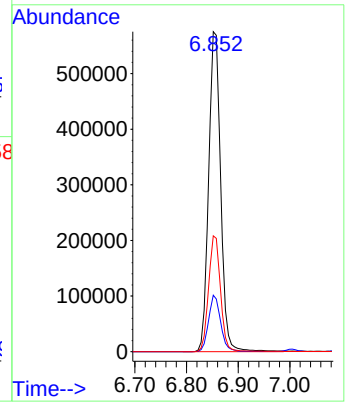


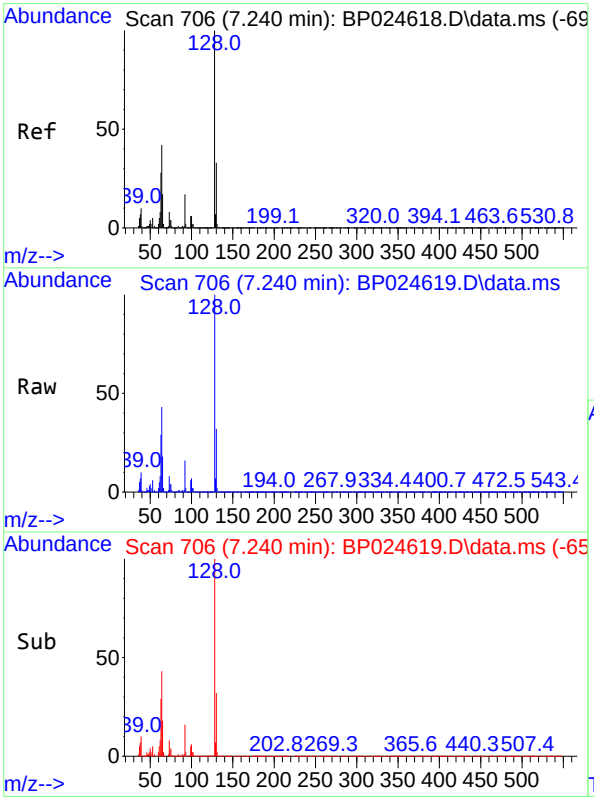
#7
Phenol-d6
Concen: 111.94 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 930484

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	36.2	29.2	43.8

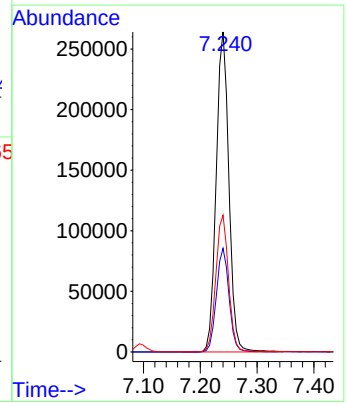


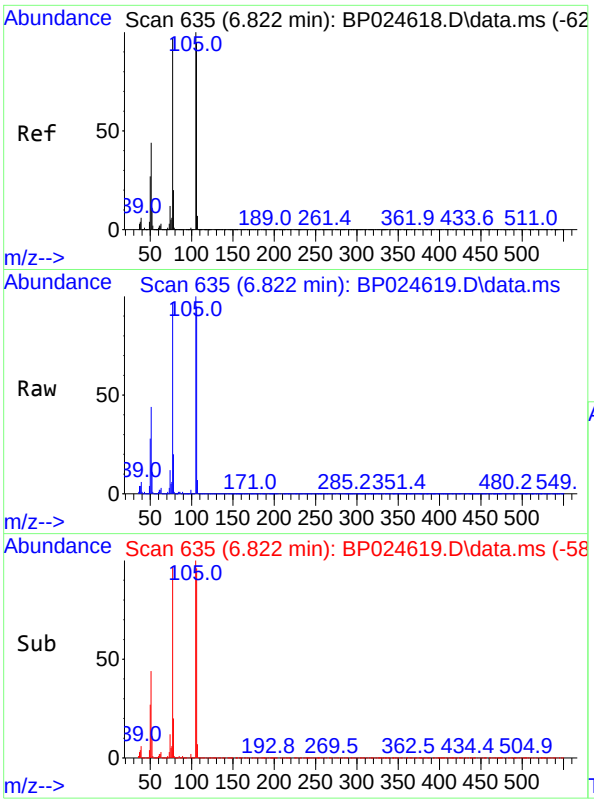


#8
2-Chlorophenol
Concen: 55.19 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:128 Resp: 408016

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	42.8	22.3	62.3



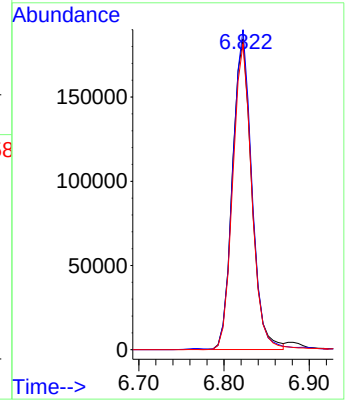


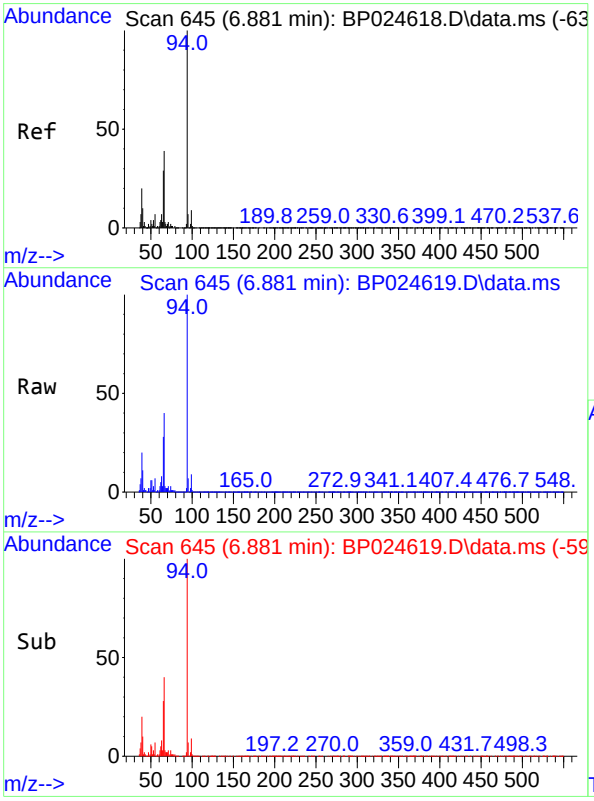
#9
Benzaldehyde
Concen: 54.06 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 290405

Ion	Ratio	Lower	Upper
77	100		
105	103.0	83.3	123.3
106	98.4	78.0	118.0

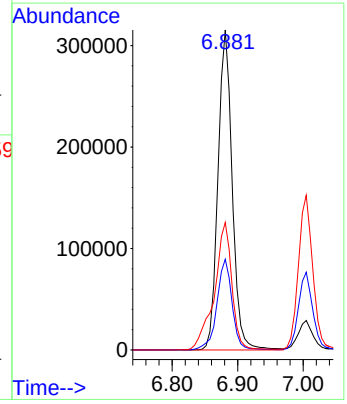


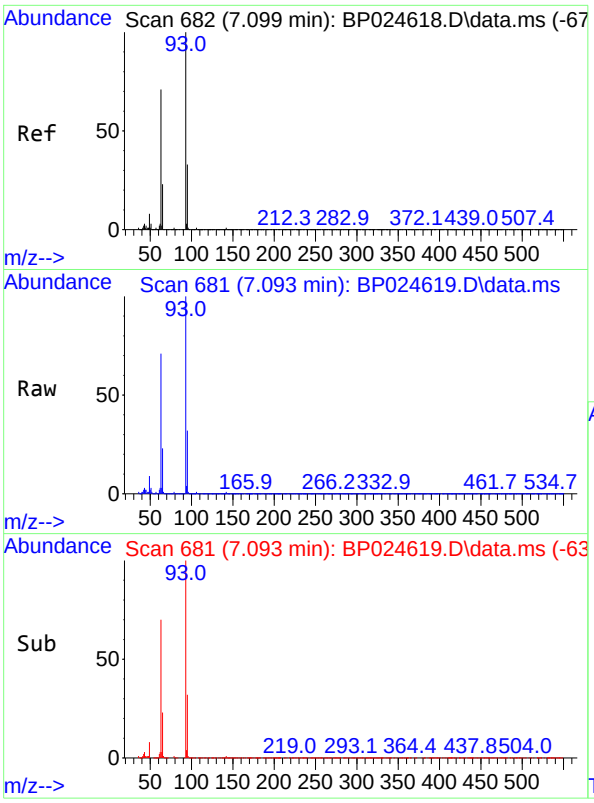


#10
Phenol
Concen: 55.41 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 94 Resp: 475413

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.7	48.7
66	39.9	19.4	59.4



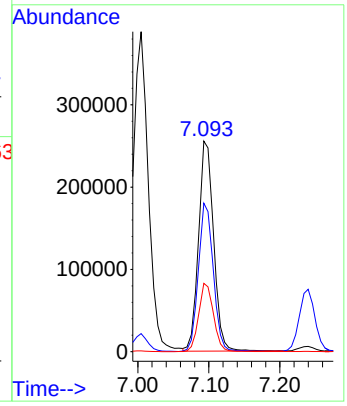


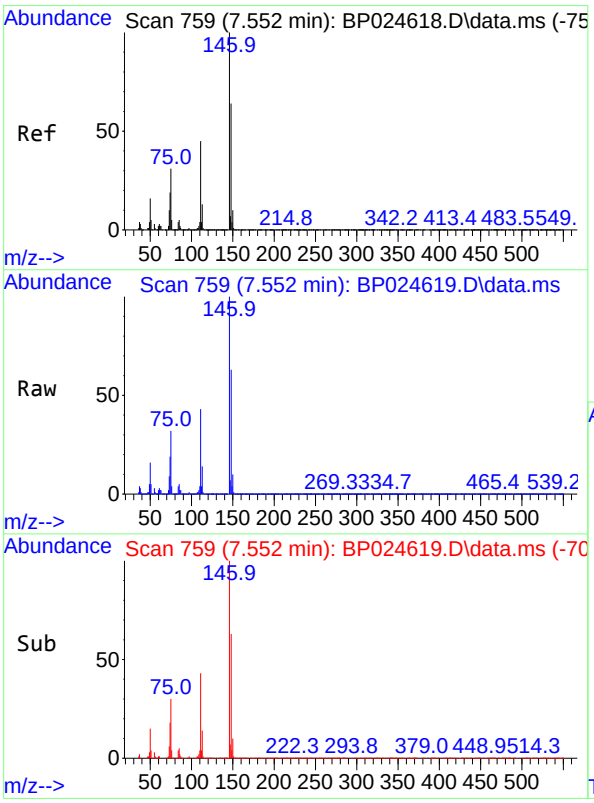
#11
bis(2-Chloroethyl)ether
Concen: 53.59 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 377787

Ion	Ratio	Lower	Upper
93	100		
63	70.5	50.6	90.6
95	32.5	12.9	52.9

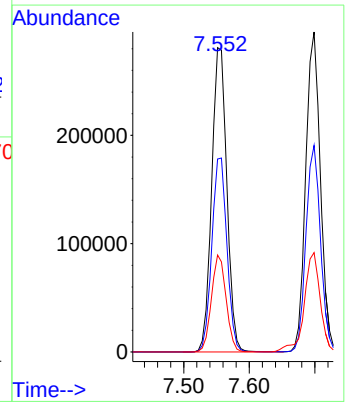


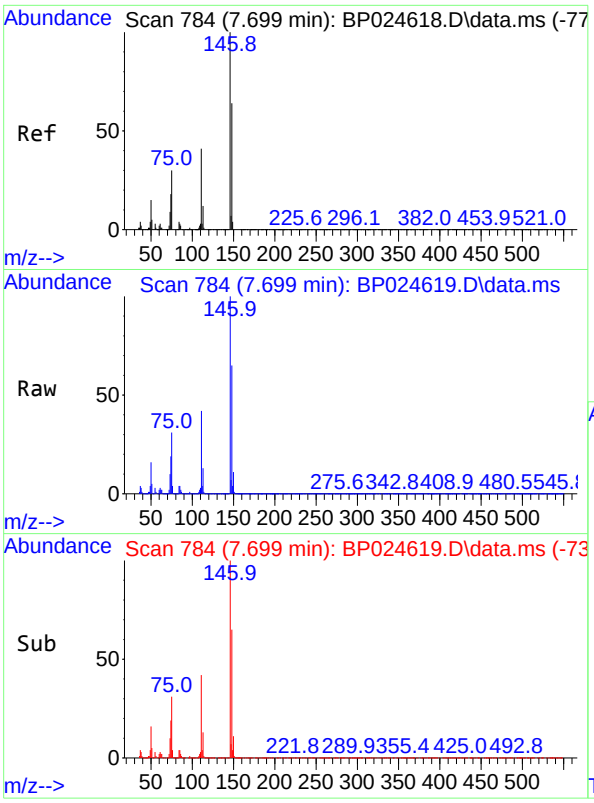


#12
1,3-Dichlorobenzene
Concen: 53.11 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 451750

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
75	31.9	25.2	37.8



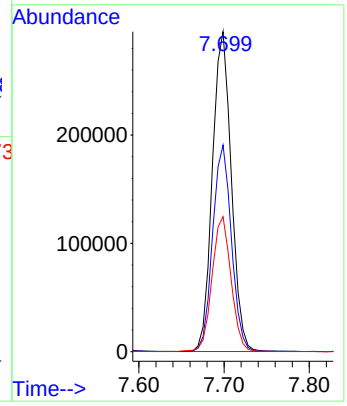


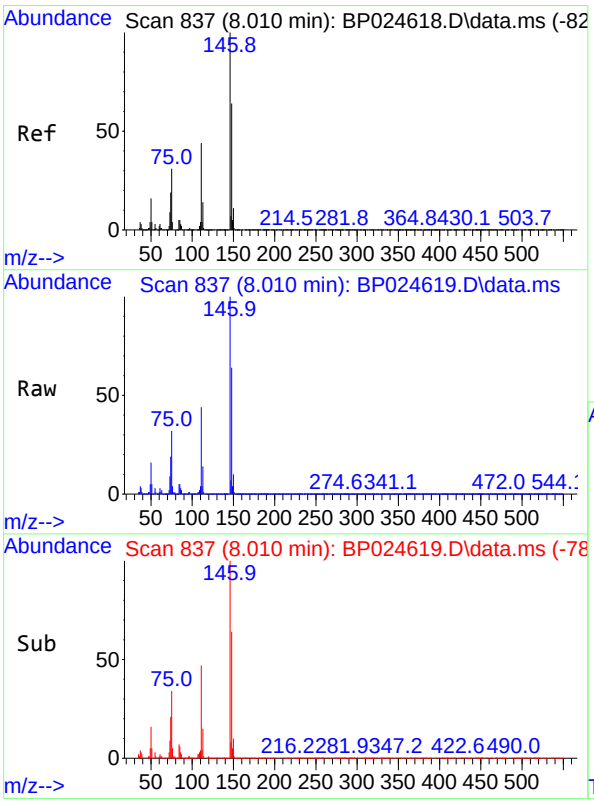
#13
1,4-Dichlorobenzene
Concen: 53.28 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 455796

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	42.2	33.0	49.6

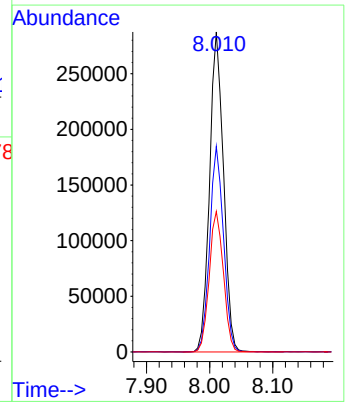


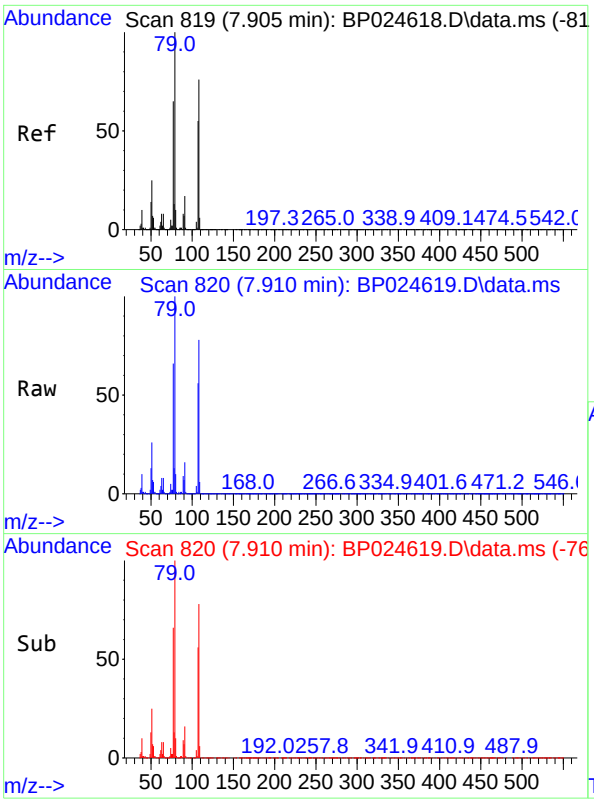


#14
1,2-Dichlorobenzene
Concen: 52.74 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 439707

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	43.9	35.2	52.8



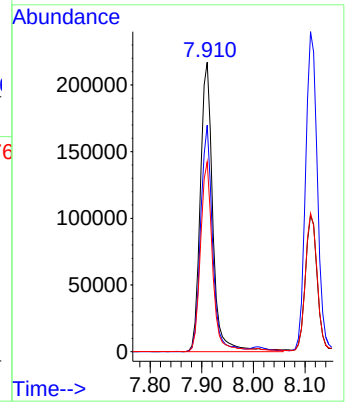


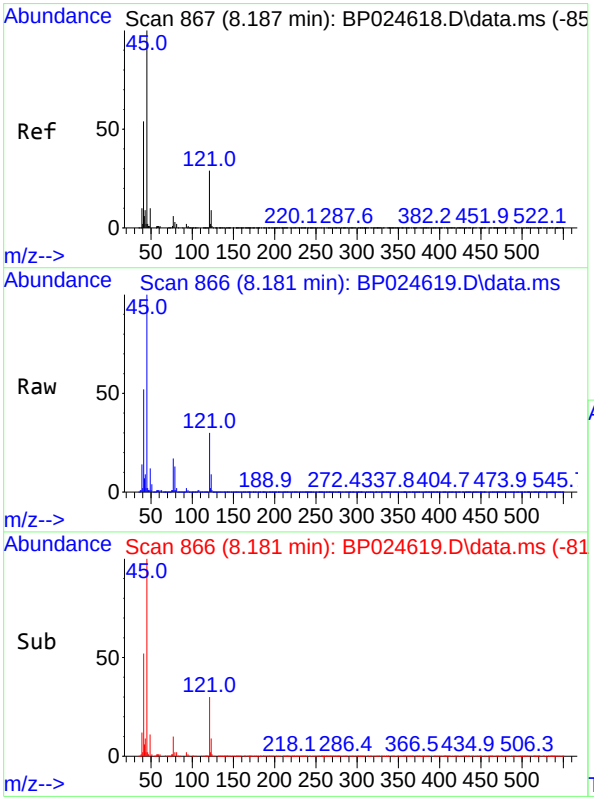
#15
Benzyl Alcohol
Concen: 57.58 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 363689

Ion	Ratio	Lower	Upper
79	100		
108	78.2	60.8	91.2
77	65.6	51.9	77.9

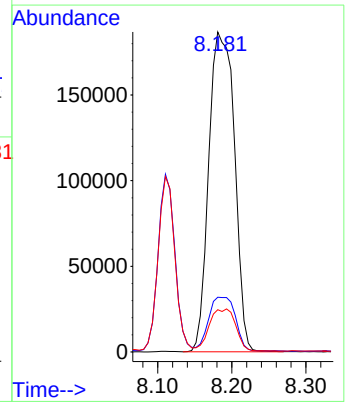


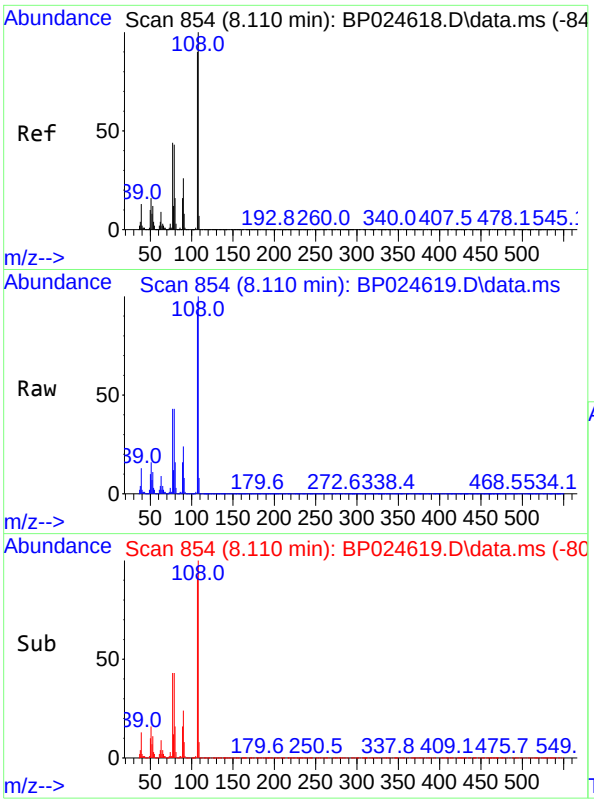


#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.33 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 45 Resp: 450215

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	37.7
79	13.2	0.0	34.0



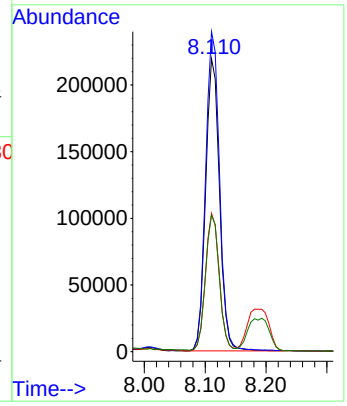


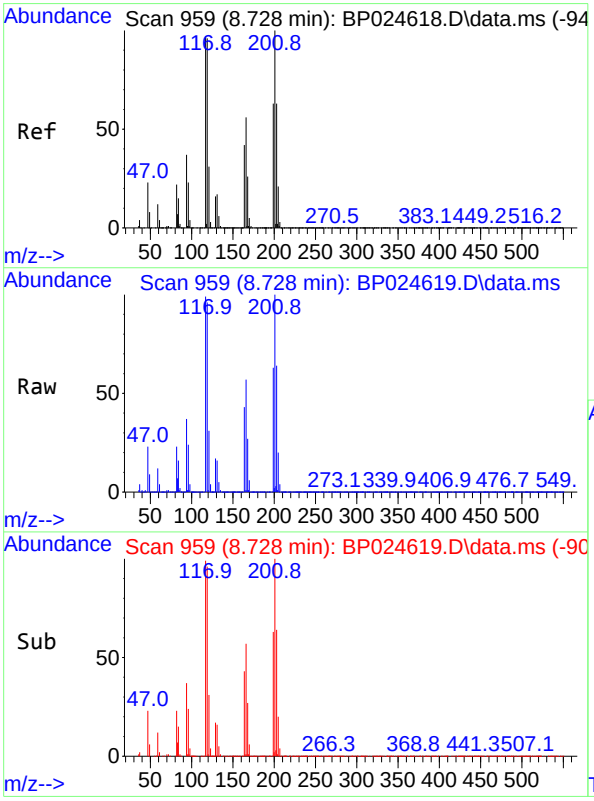
#17
2-Methylphenol
Concen: 56.40 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 347065

Ion	Ratio	Lower	Upper
107	100		
108	109.2	88.9	133.3
77	47.2	39.0	58.6
79	46.6	38.4	57.6

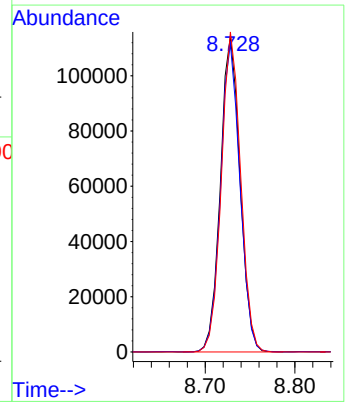


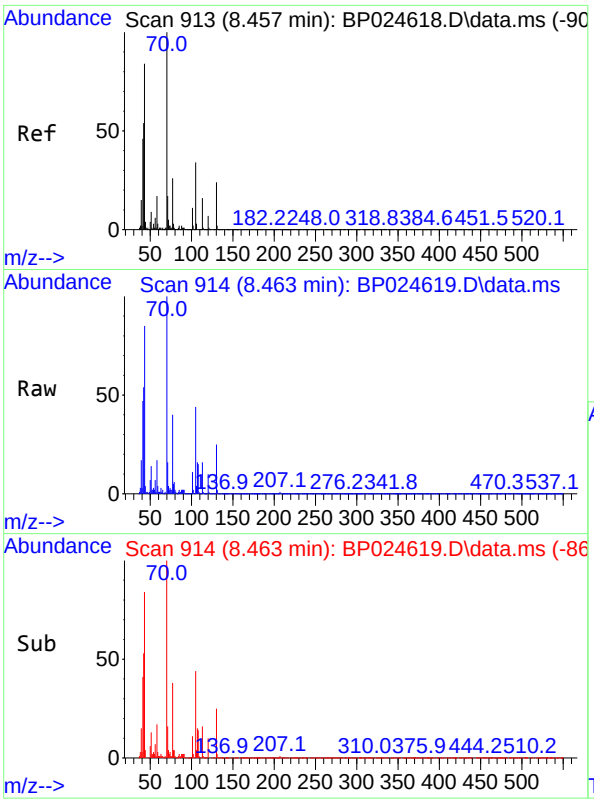


#18
Hexachloroethane
Concen: 52.95 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:117 Resp: 173580

Ion	Ratio	Lower	Upper
117	100		
119	97.5	79.4	119.0
201	101.3	82.7	124.1



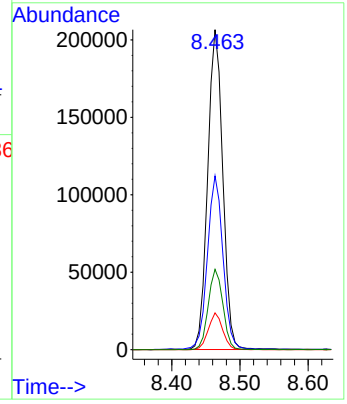


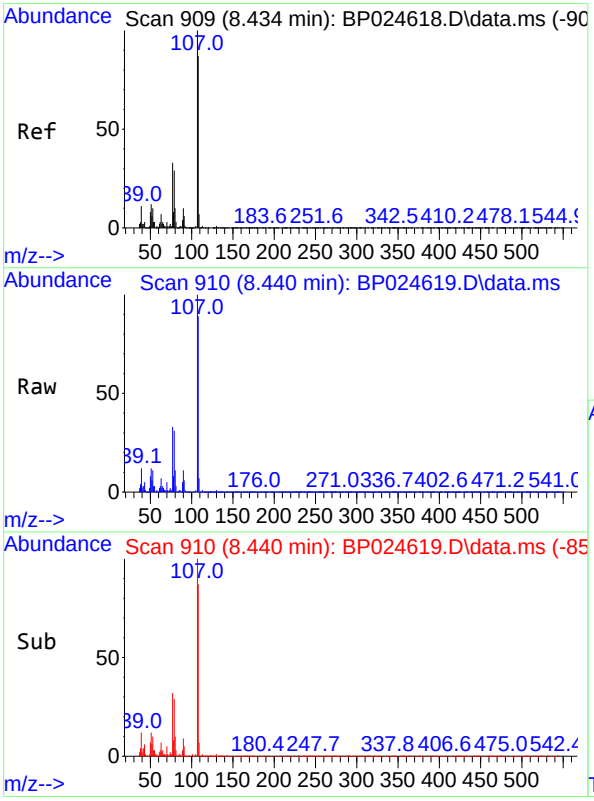
#19
n-Nitroso-di-n-propylamine
Concen: 55.32 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 318058

Ion	Ratio	Lower	Upper
70	100		
42	54.3	43.0	64.6
101	11.5	8.7	13.1
130	25.1	19.4	29.0

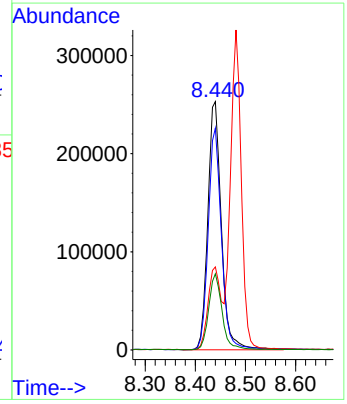


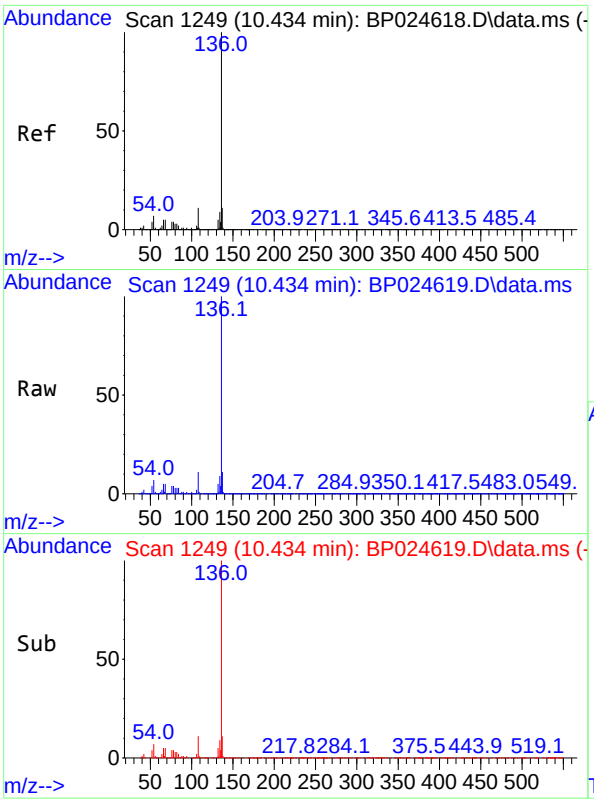


#20
3+4-Methylphenols
Concen: 56.64 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 474048

Ion	Ratio	Lower	Upper
107	100		
108	89.3	66.7	106.7
77	33.4	13.1	53.1
79	30.7	8.9	48.9



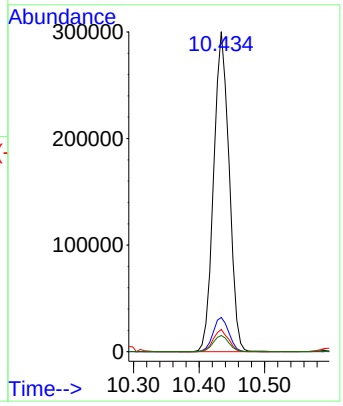


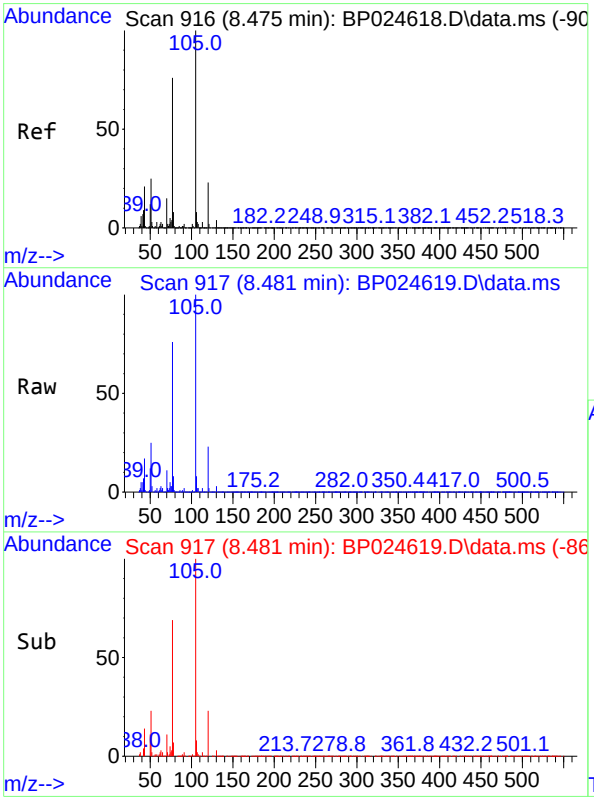
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 489806

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.0	5.5	8.3
68	5.0	4.2	6.2

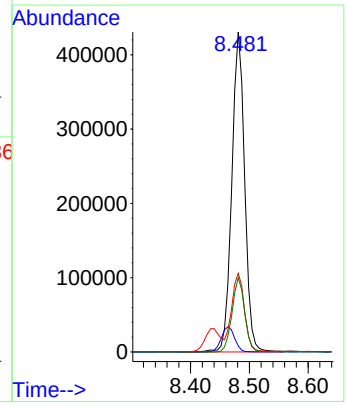


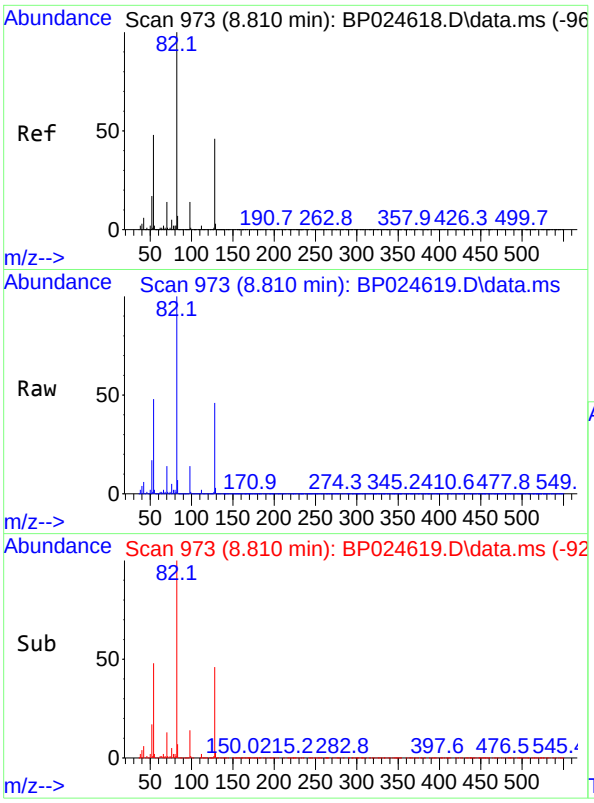


#22
Acetophenone
Concen: 53.44 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:105 Resp: 653878

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	24.6	20.4	30.6
120	23.2	18.1	27.1



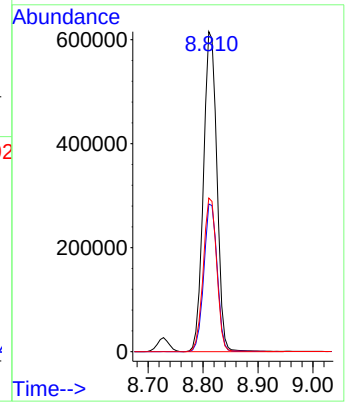


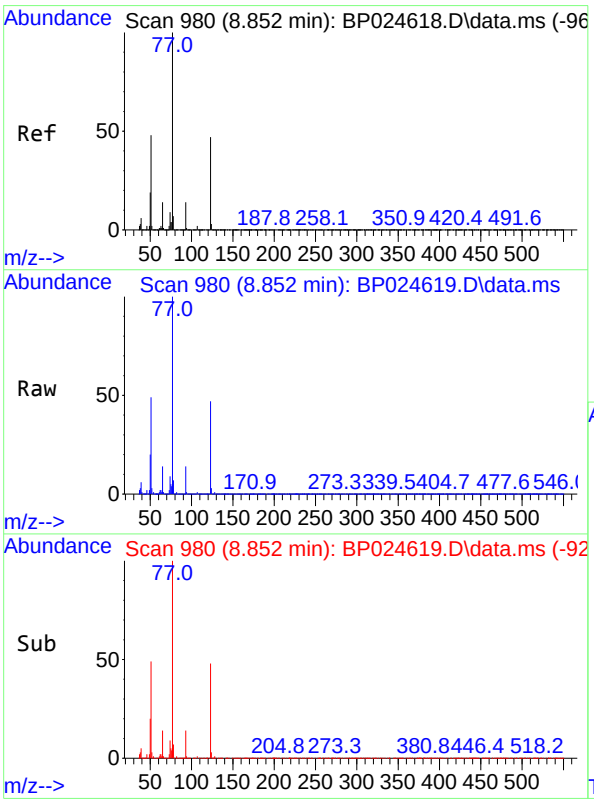
#23
Nitrobenzene-d5
Concen: 108.26 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1049445

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.0	55.4
54	48.0	38.7	58.1

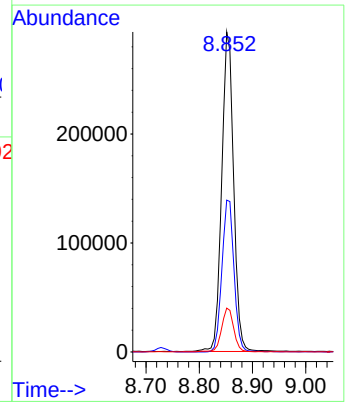


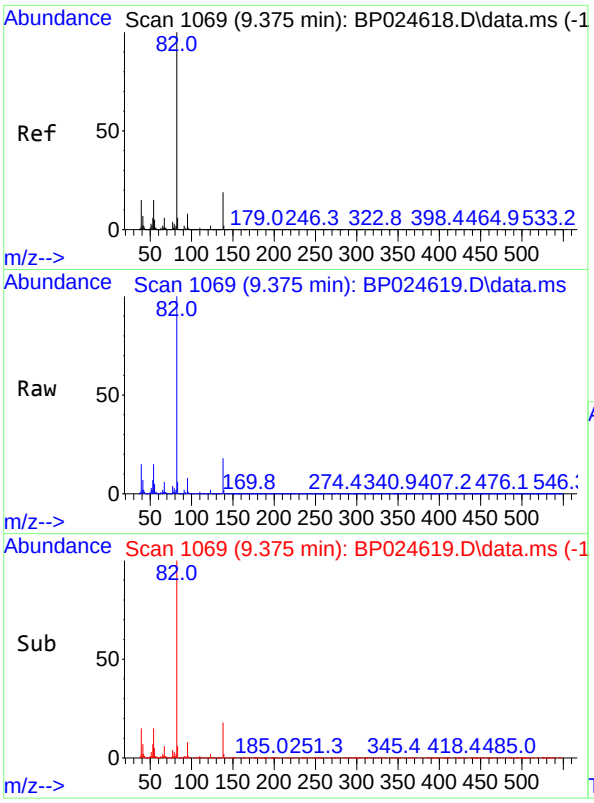


#24
Nitrobenzene
Concen: 53.56 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 77 Resp: 456929

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.4	56.0
65	13.7	11.3	16.9



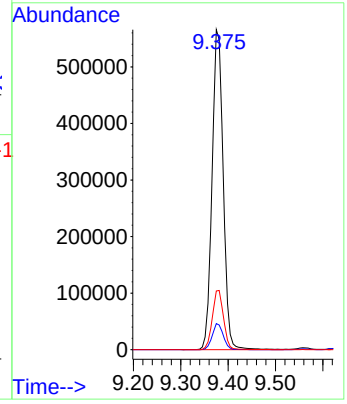


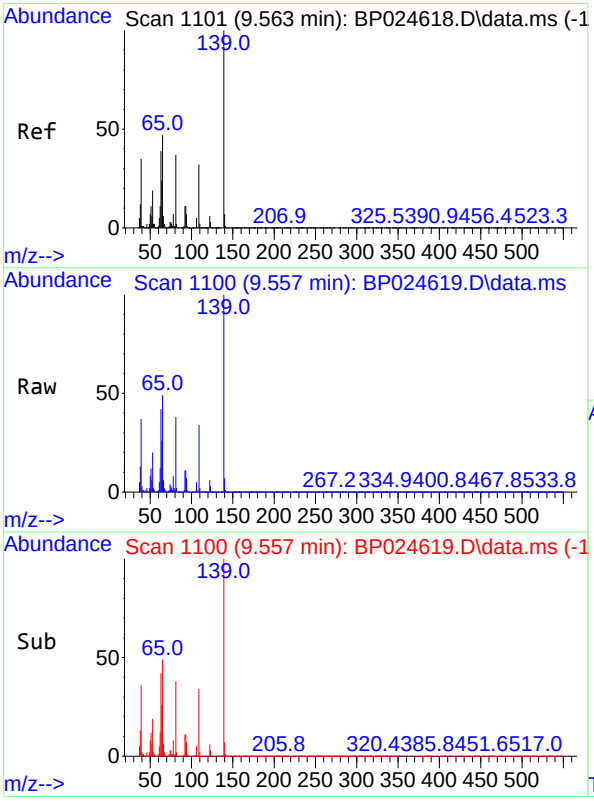
#25
Isophorone
Concen: 54.82 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 921892

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.3	9.5
138	18.3	15.3	22.9

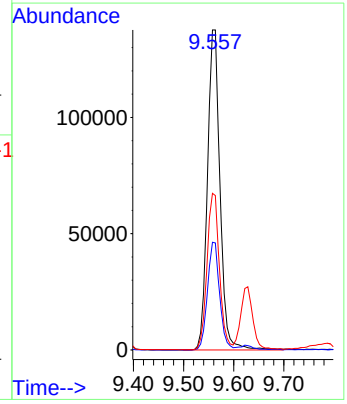


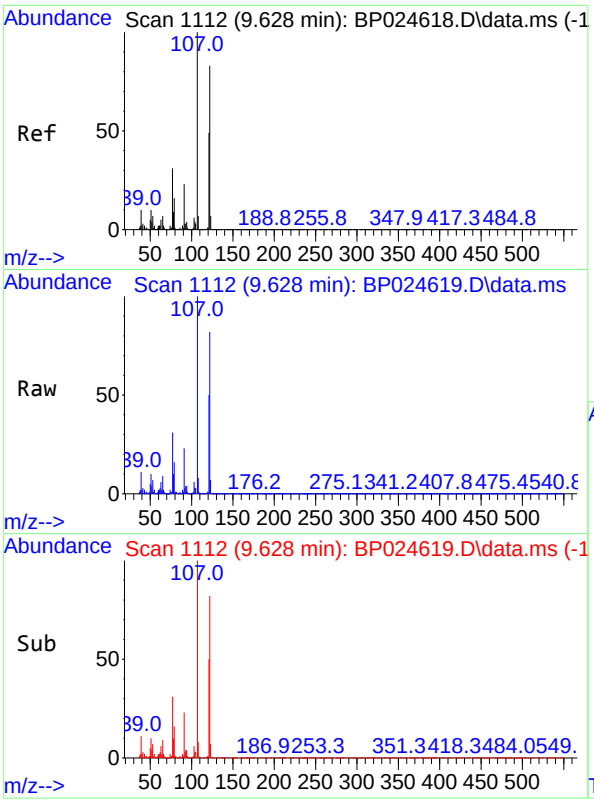


#26
2-Nitrophenol
Concen: 57.38 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 239844

Ion	Ratio	Lower	Upper
139	100		
109	33.6	25.9	38.9
65	49.0	37.9	56.9



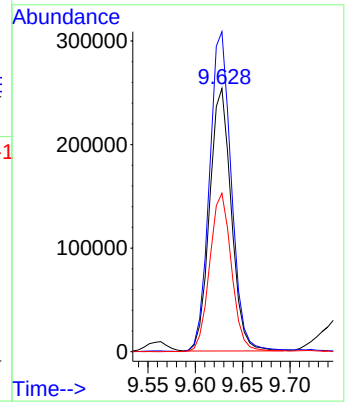


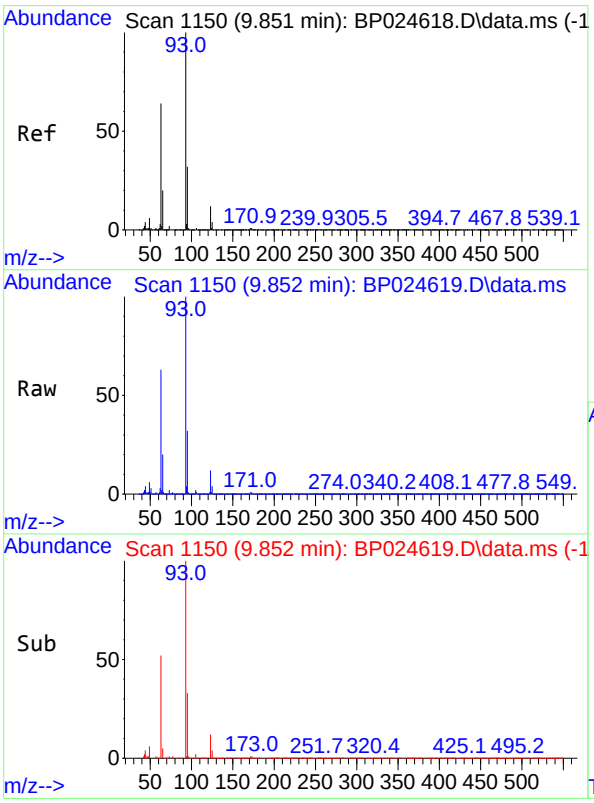
#27
2,4-Dimethylphenol
Concen: 54.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 402585

Ion	Ratio	Lower	Upper
122	100		
107	121.6	96.2	144.2
121	60.2	47.6	71.4

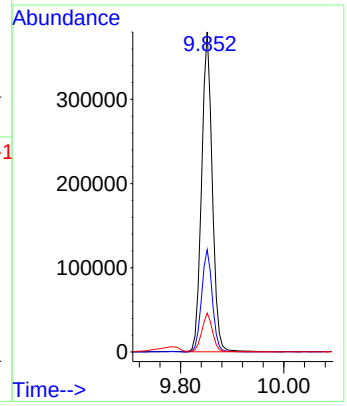


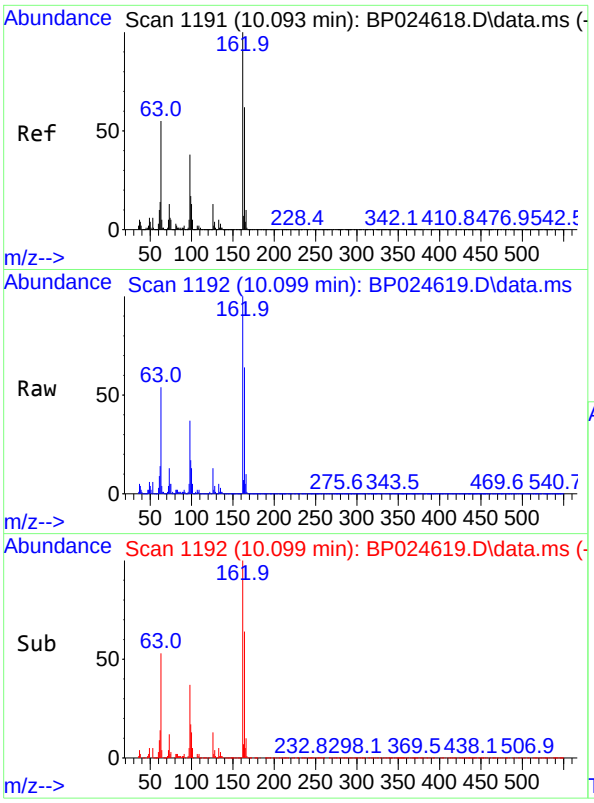


#28
bis(2-Chloroethoxy)methane
Concen: 54.01 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 542581

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.2	9.7	14.5



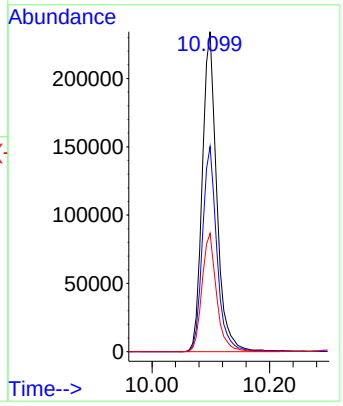


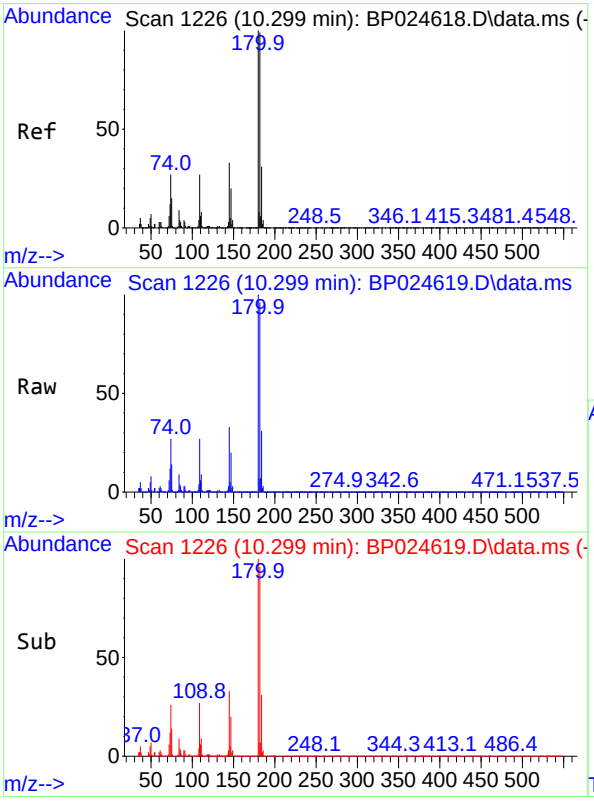
#29
2,4-Dichlorophenol
Concen: 56.14 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 400983

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	37.0	18.4	58.4

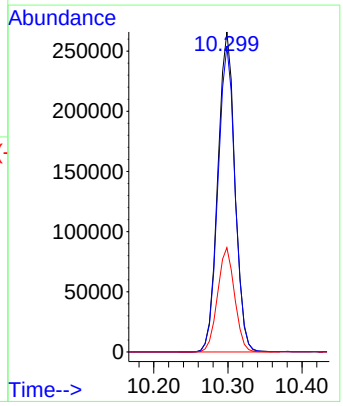


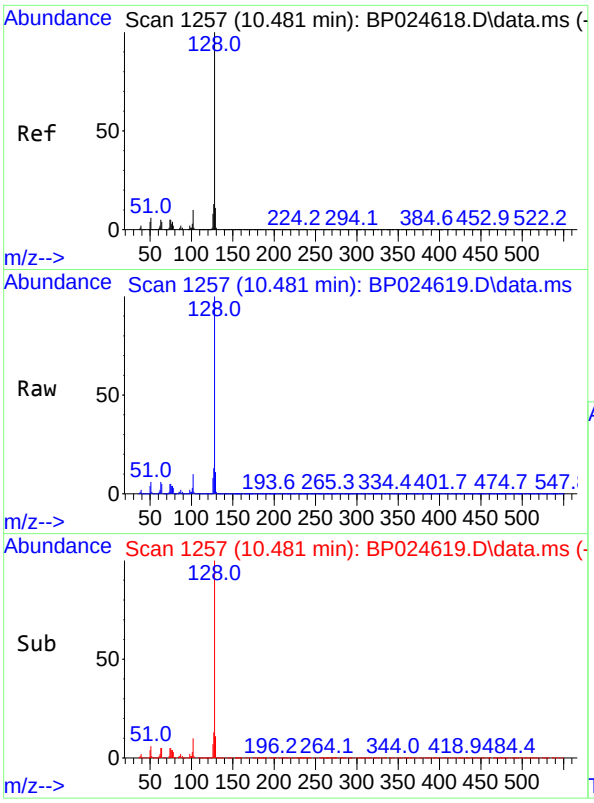


#30
1,2,4-Trichlorobenzene
Concen: 52.75 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:180 Resp: 424561

Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.0	118.4
145	32.6	26.6	39.8



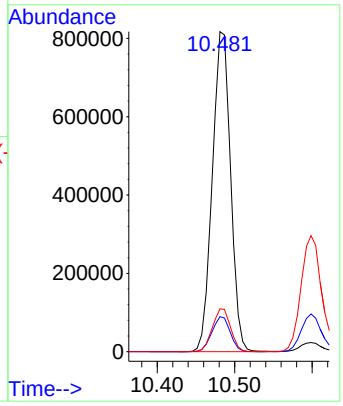


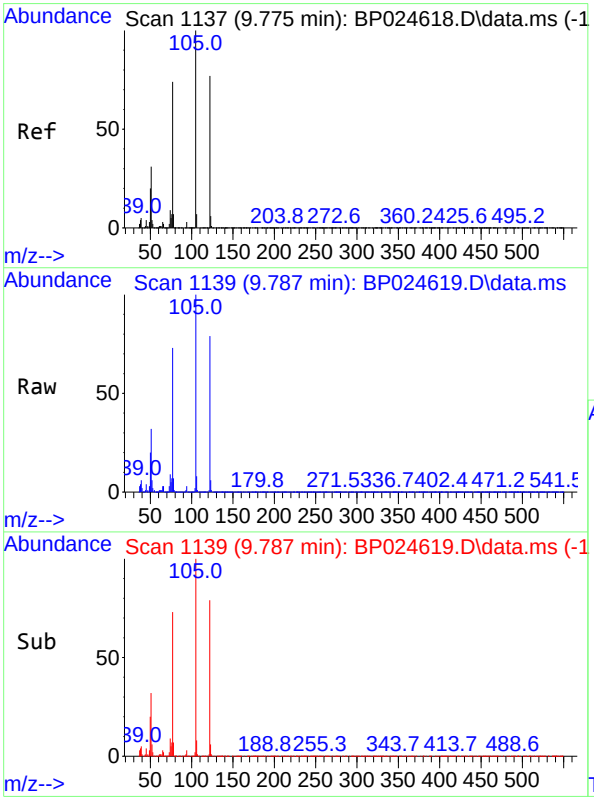
#31
Naphthalene
Concen: 52.65 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1336265

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.7	16.1

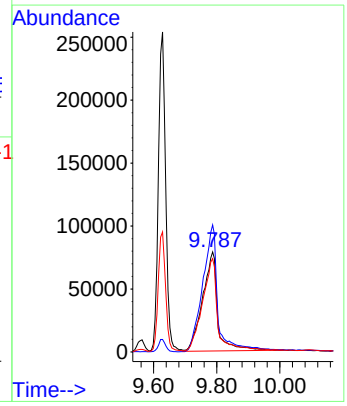


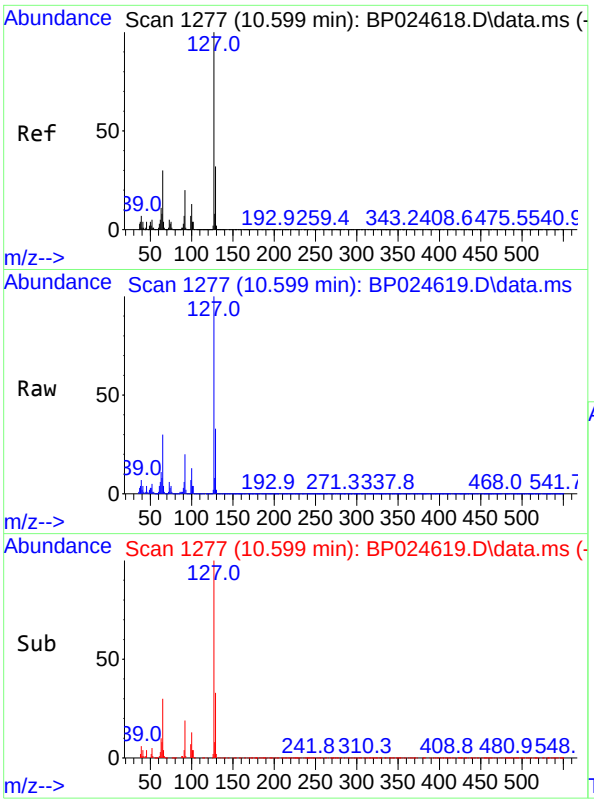


#32
Benzoic acid
Concen: 50.71 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:122 Resp: 263657

Ion	Ratio	Lower	Upper
122	100		
105	127.2	106.9	146.9
77	93.3	75.1	115.1



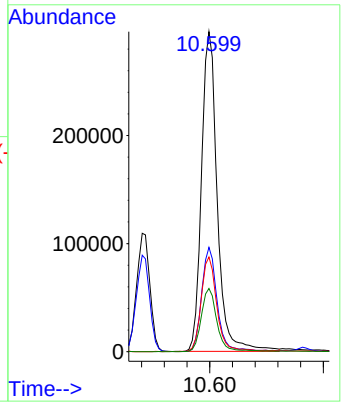


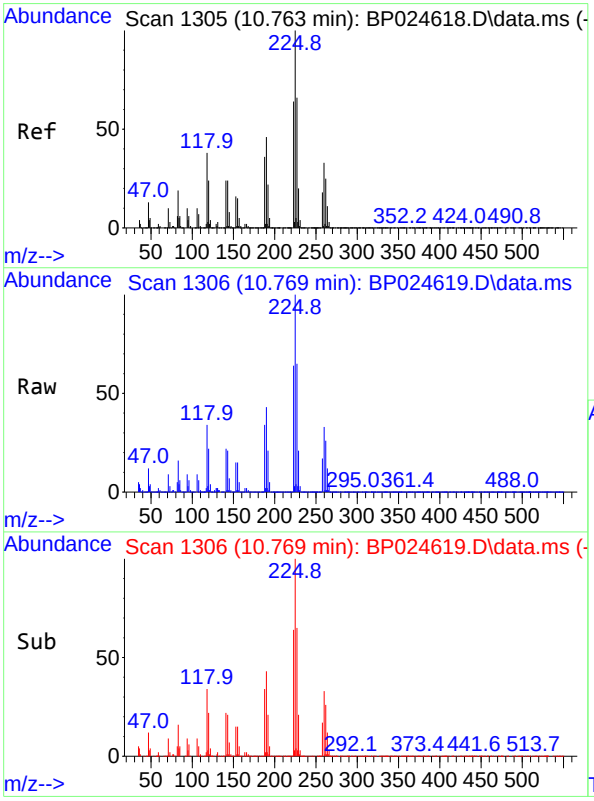
#33
4-Chloroaniline
Concen: 55.63 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 569812

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6
65	29.6	23.9	35.9
92	19.7	16.1	24.1

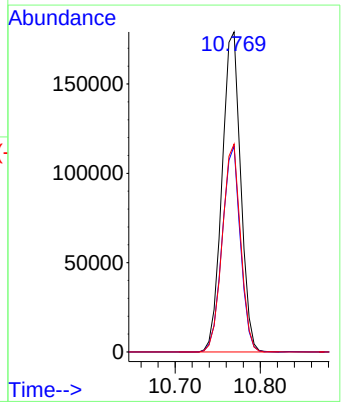


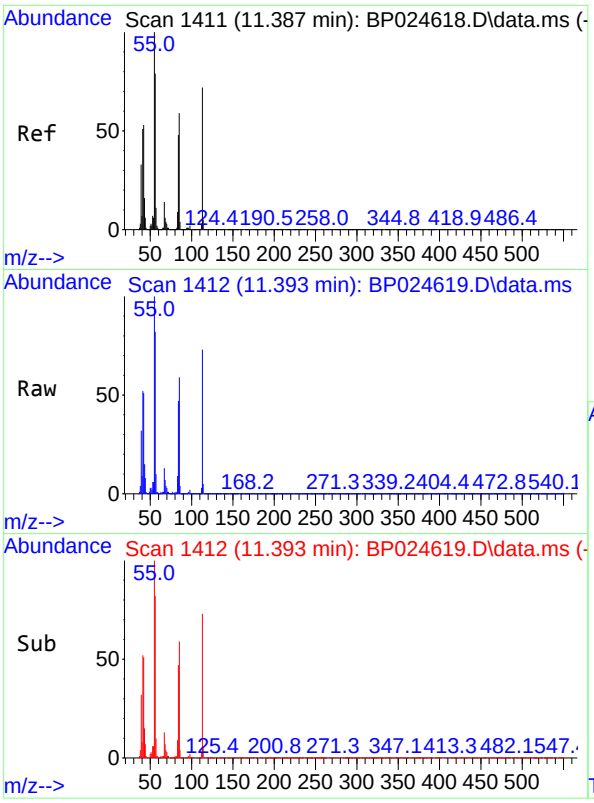


#34
Hexachlorobutadiene
Concen: 52.09 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:225 Resp: 271578

Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.0	76.6
227	64.9	53.1	79.7



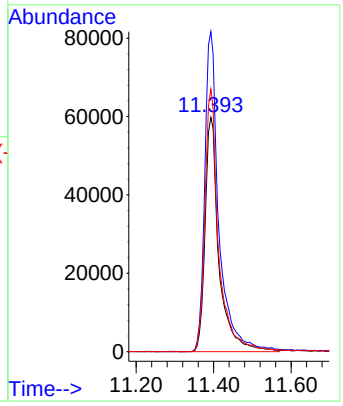


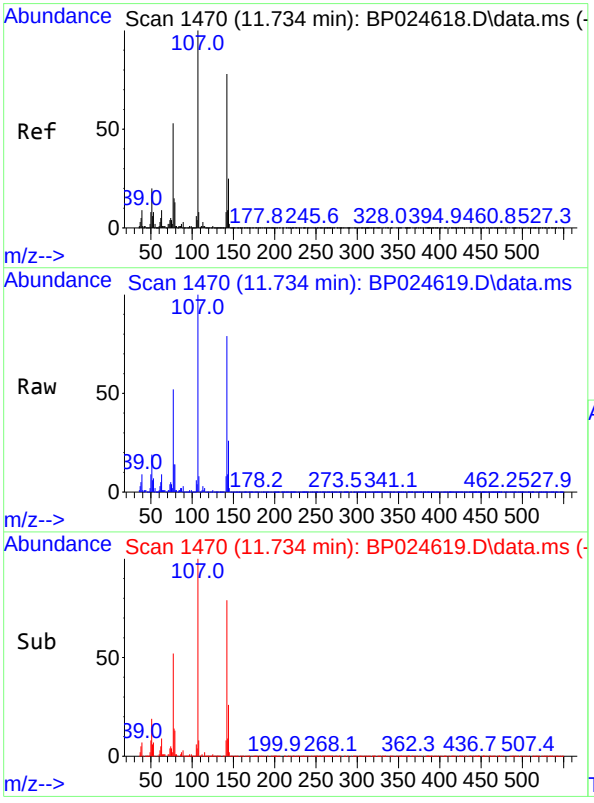
#35
Caprolactam
Concen: 57.53 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 148586

Ion	Ratio	Lower	Upper
113	100		
55	136.6	119.0	159.0
56	112.0	90.3	130.3

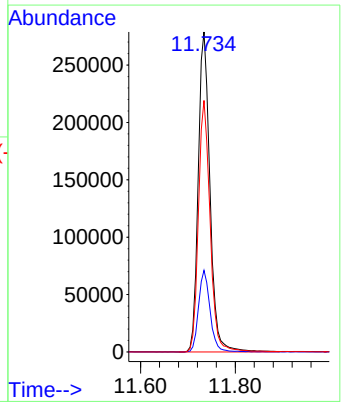


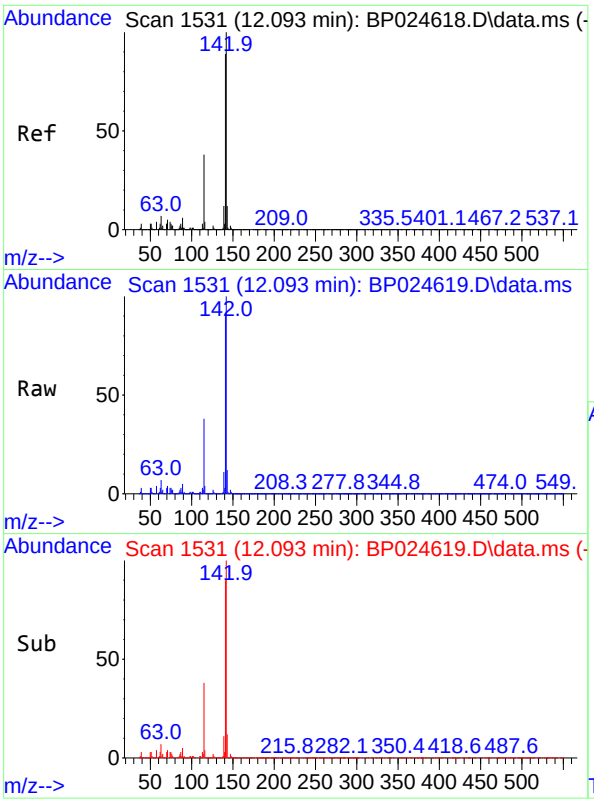


#36
4-Chloro-3-methylphenol
Concen: 54.97 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 478787

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.1	30.1
142	78.6	62.1	93.1



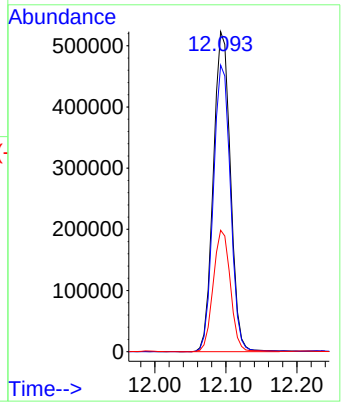


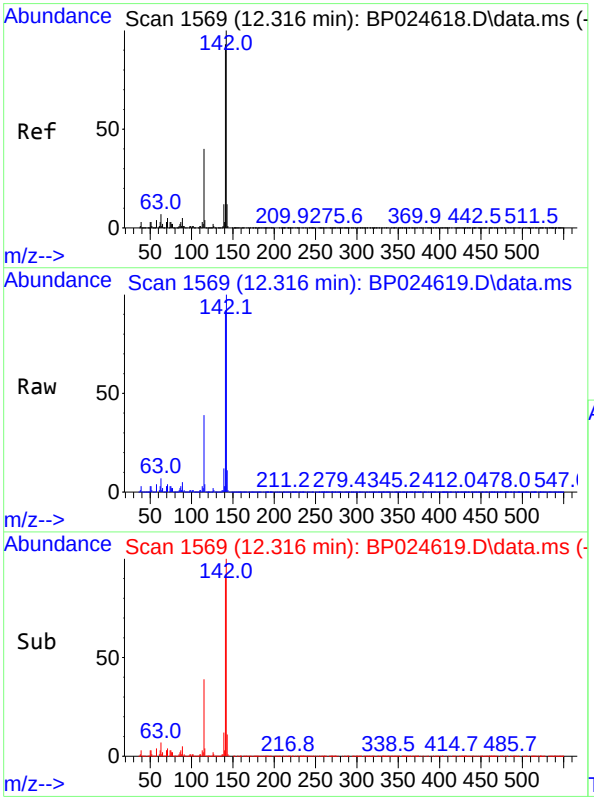
#37
2-Methylnaphthalene
Concen: 53.13 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 873274

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8
115	37.9	30.6	46.0

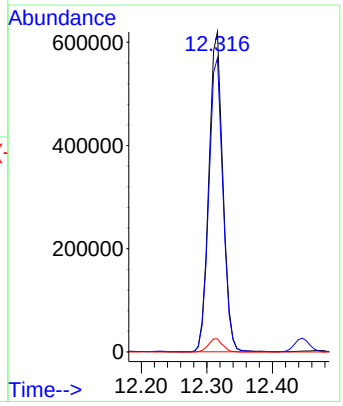


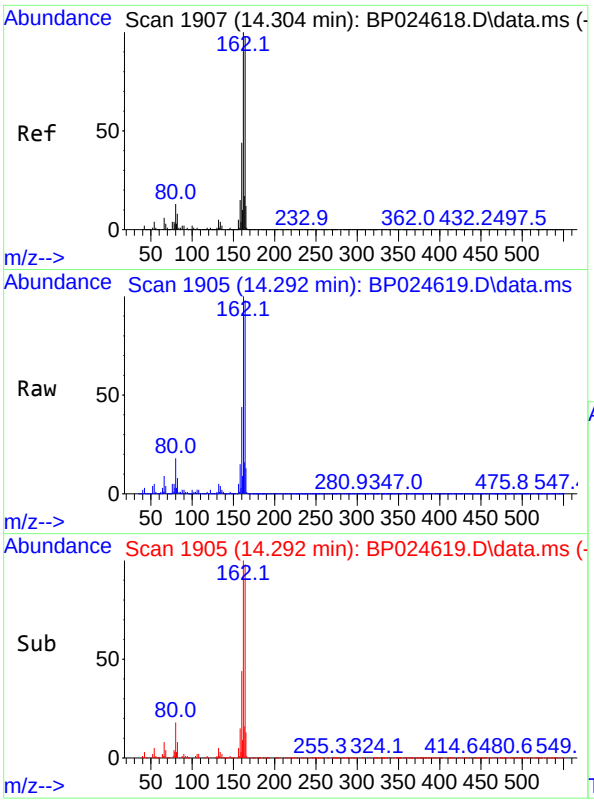


#38
1-Methylnaphthalene
Concen: 52.31 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:142 Resp: 919827

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.7	112.1
116	4.1	3.4	5.2



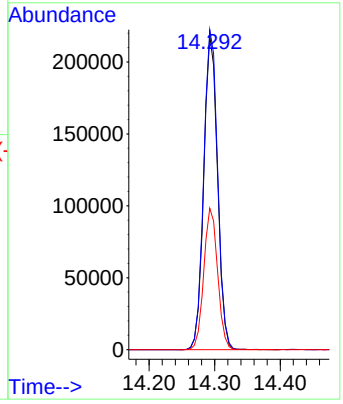


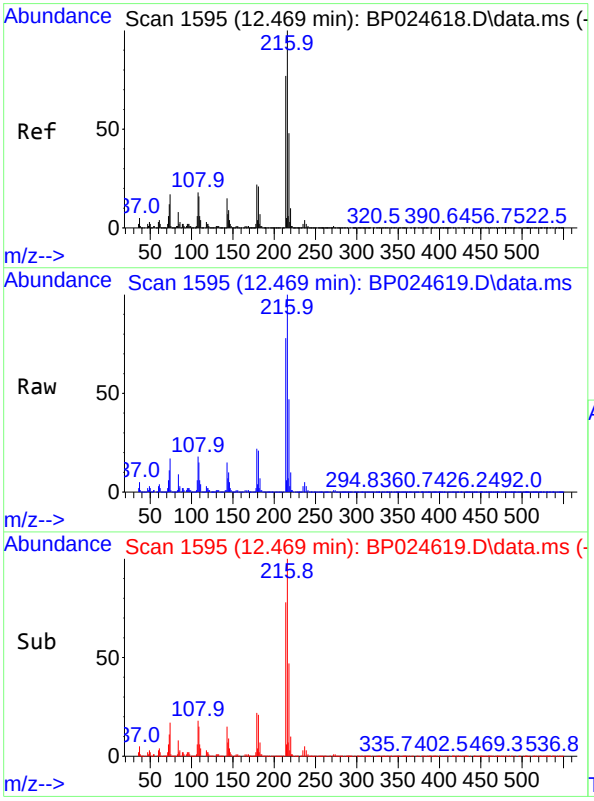
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 318760

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	45.1	36.3	54.5

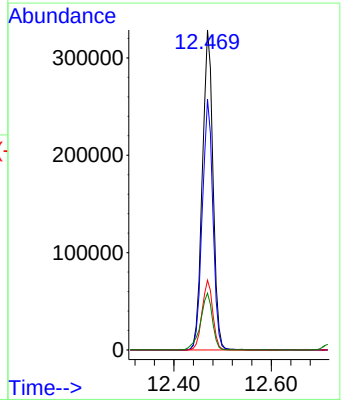


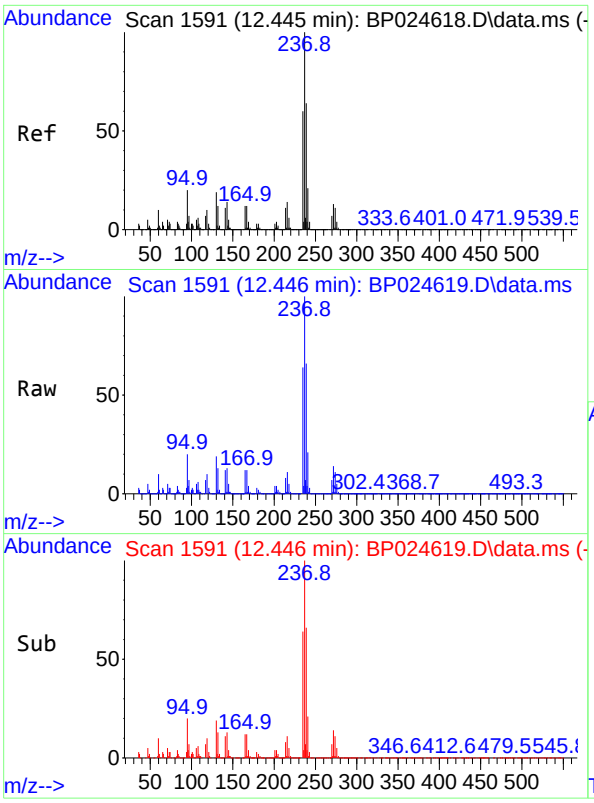


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.78 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:216 Resp: 497848

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	21.9	17.7	26.5
108	19.7	16.0	24.0



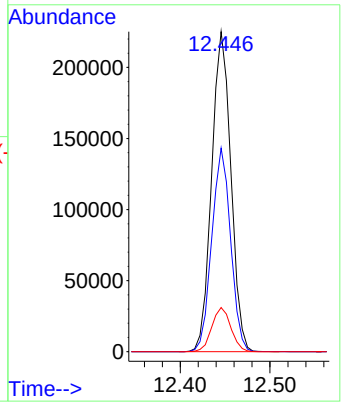


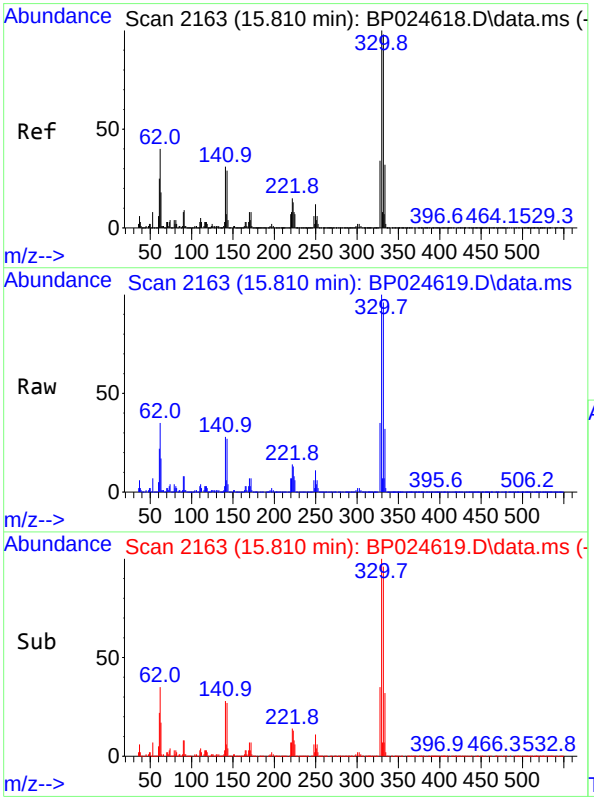
#41
Hexachlorocyclopentadiene
Concen: 59.64 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 334752

Ion	Ratio	Lower	Upper
237	100		
235	63.6	39.9	79.9
272	13.8	0.0	33.2

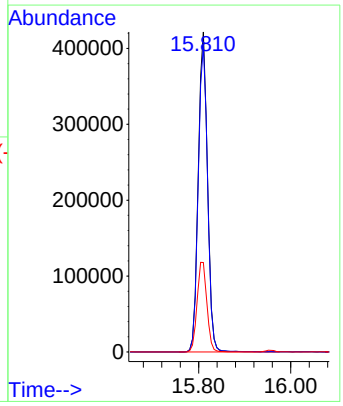


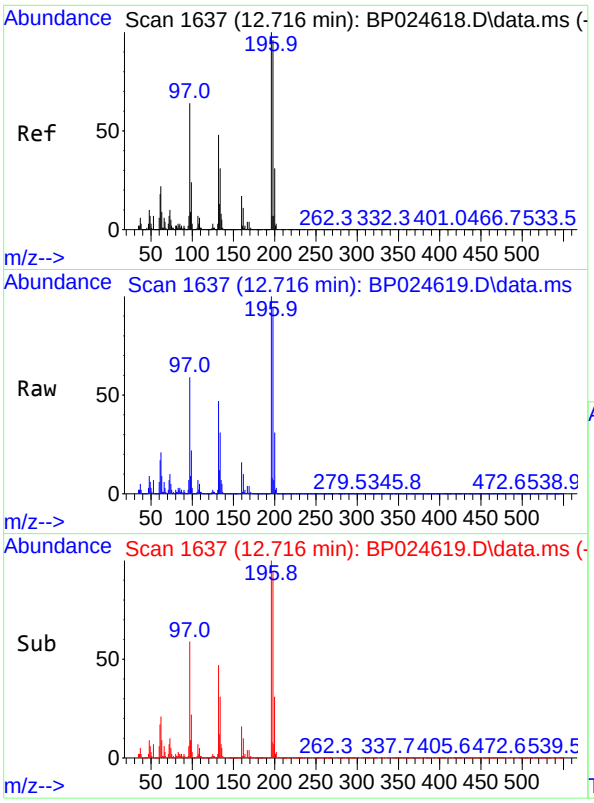


#42
2,4,6-Tribromophenol
Concen: 108.72 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:330 Resp: 587523

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.4
141	29.7	24.3	36.5



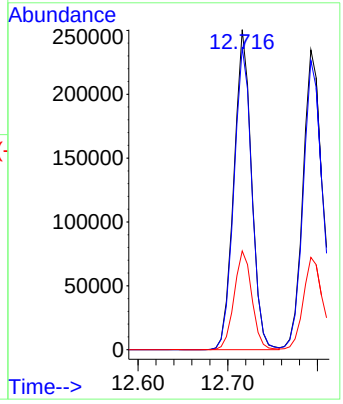


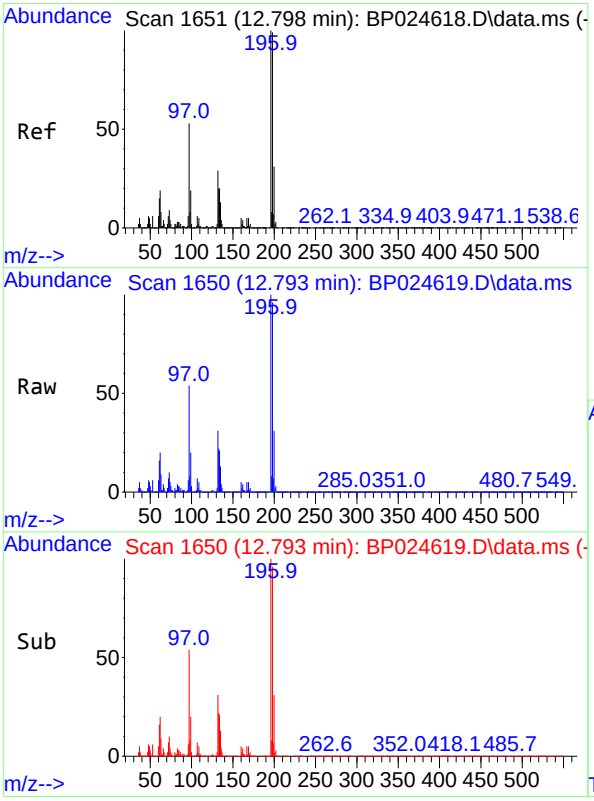
#43
2,4,6-Trichlorophenol
Concen: 56.89 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 341059

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.9	115.3
200	30.9	25.2	37.8

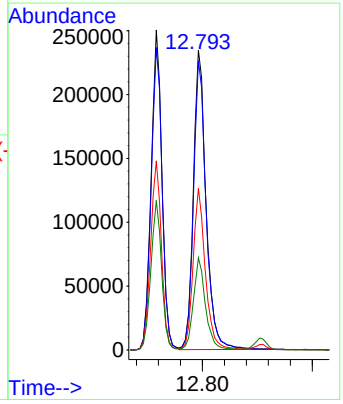


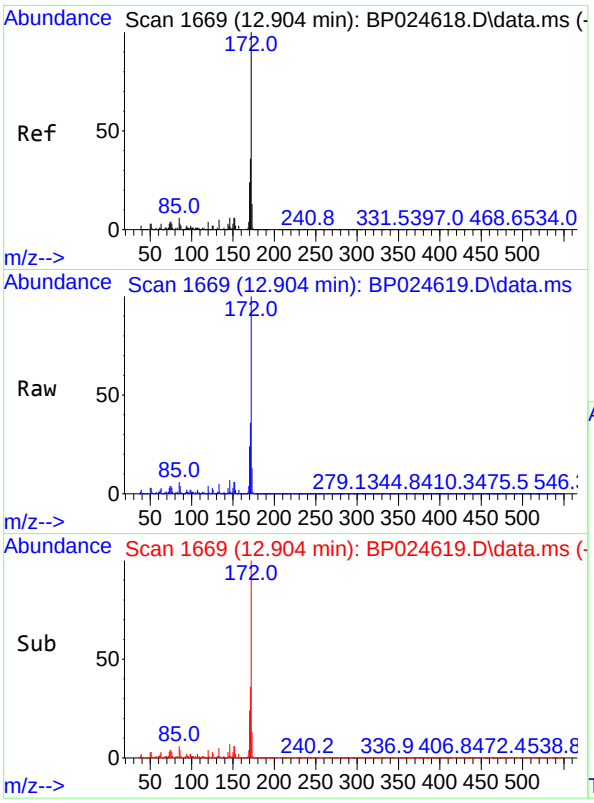


#44
2,4,5-Trichlorophenol
Concen: 56.24 ng
RT: 12.793 min Scan# 1650
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:196 Resp: 375330

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.2	118.8
97	54.0	42.3	63.5
132	30.8	23.3	34.9



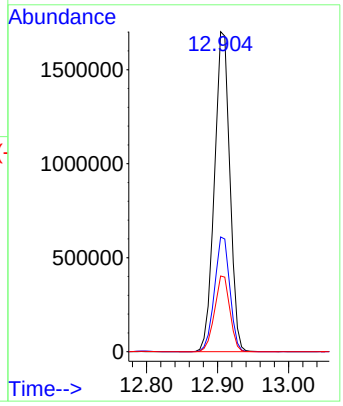


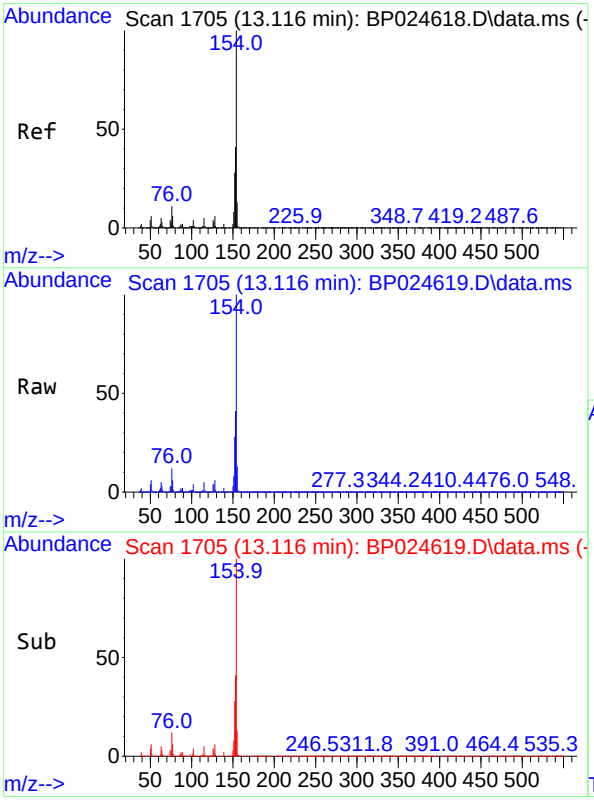
#45
2-Fluorobiphenyl
Concen: 104.96 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2553765

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	18.8	28.2

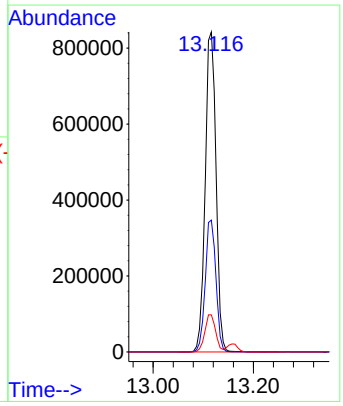


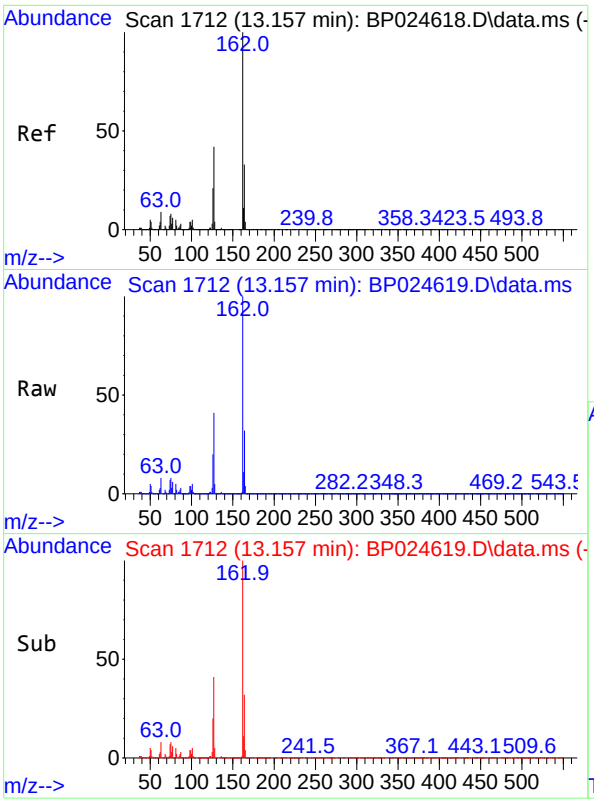


#46
1,1'-Biphenyl
Concen: 53.64 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 1263640

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.6	0.0	31.5



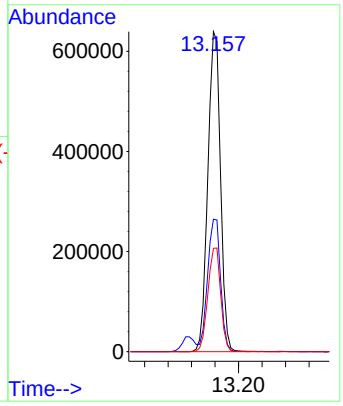


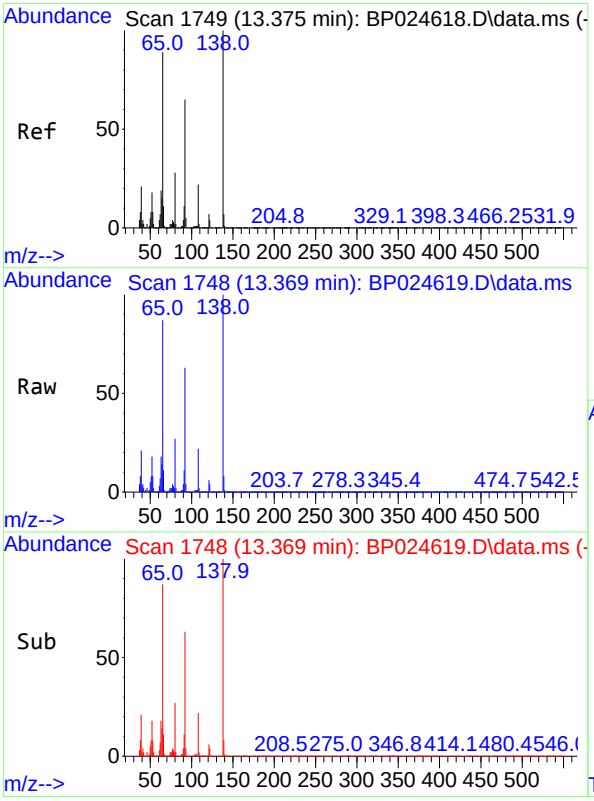
#47
2-Chloronaphthalene
Concen: 53.04 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 952857

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.8	50.6
164	32.3	26.0	39.0

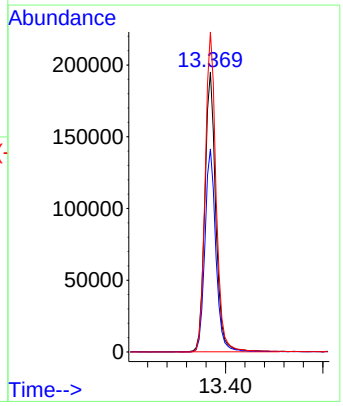


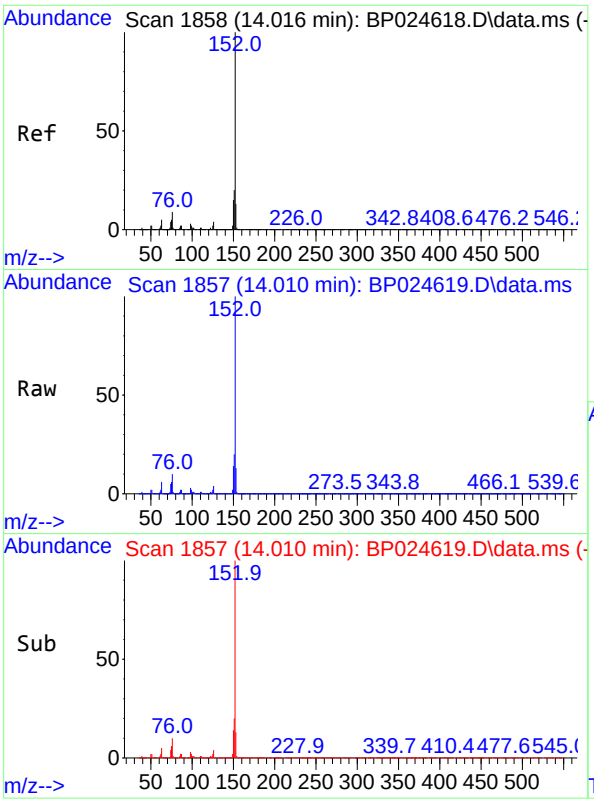


#48
2-Nitroaniline
Concen: 57.06 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 65 Resp: 303475

Ion	Ratio	Lower	Upper
65	100		
92	72.5	58.7	88.1
138	114.3	90.2	135.2



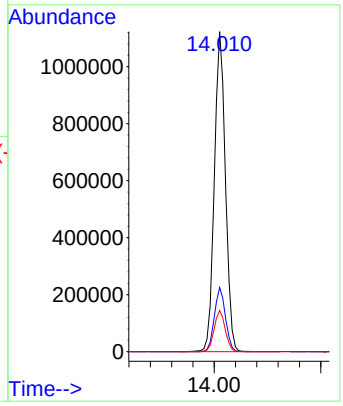


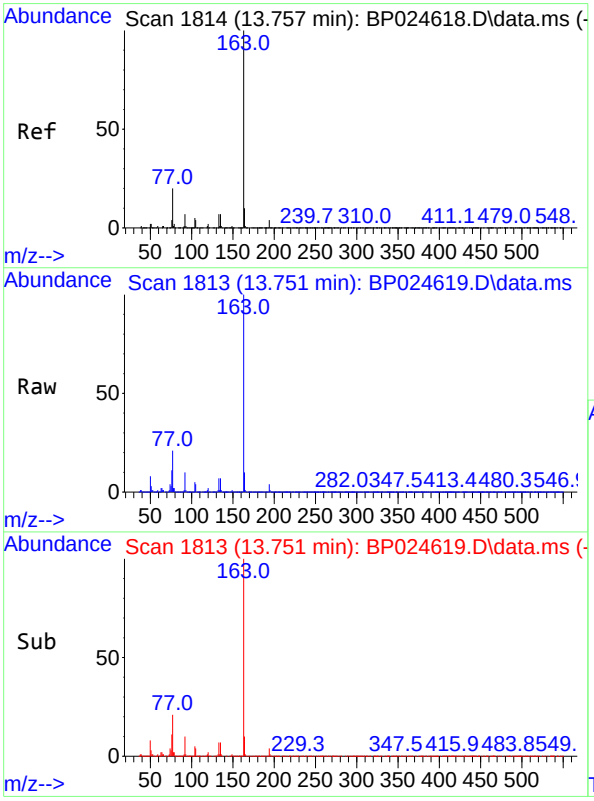
#49
Acenaphthylene
Concen: 53.79 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1616938

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	12.9	10.2	15.4

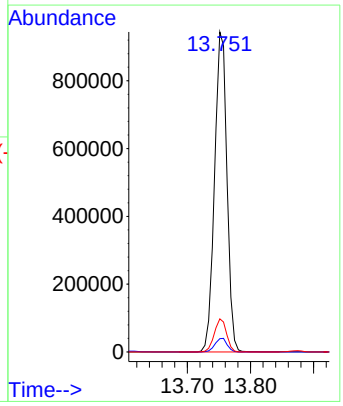


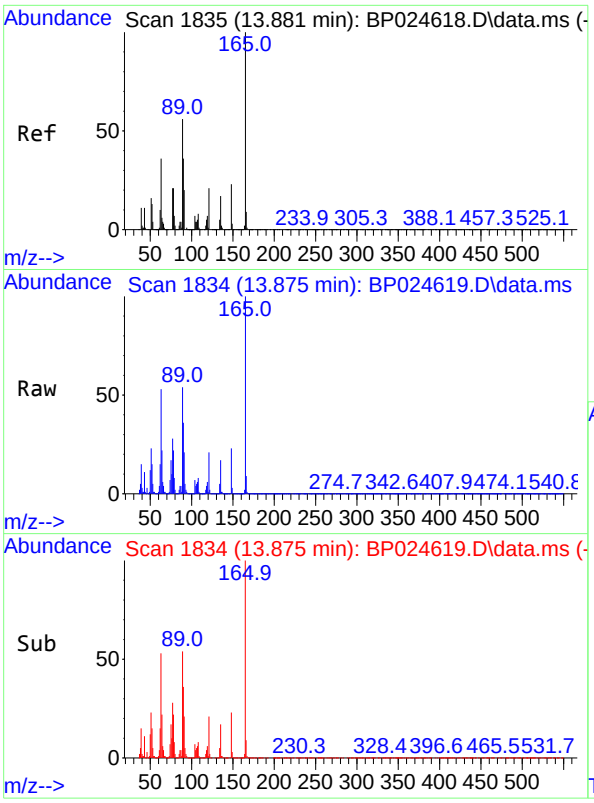


#50
Dimethylphthalate
Concen: 52.83 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:163 Resp: 1283491

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	8.1	12.1



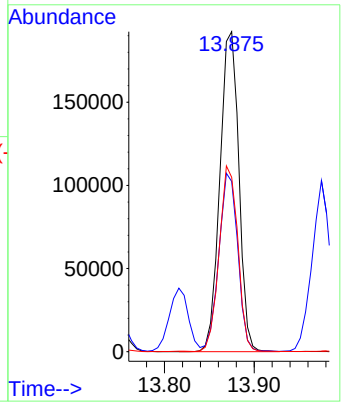


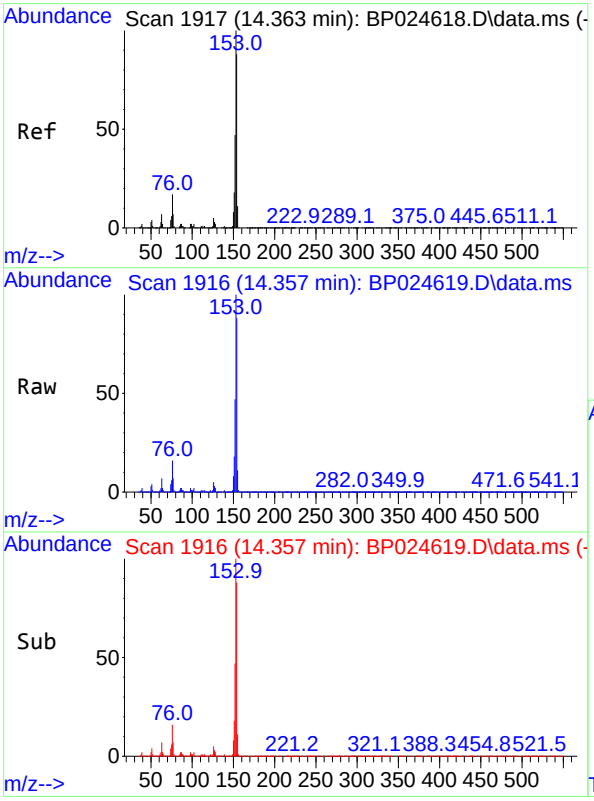
#51
2,6-Dinitrotoluene
Concen: 54.91 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 281728

Ion	Ratio	Lower	Upper
165	100		
63	53.2	42.4	63.6
89	54.5	44.8	67.2

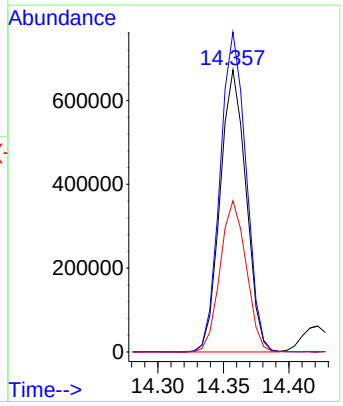


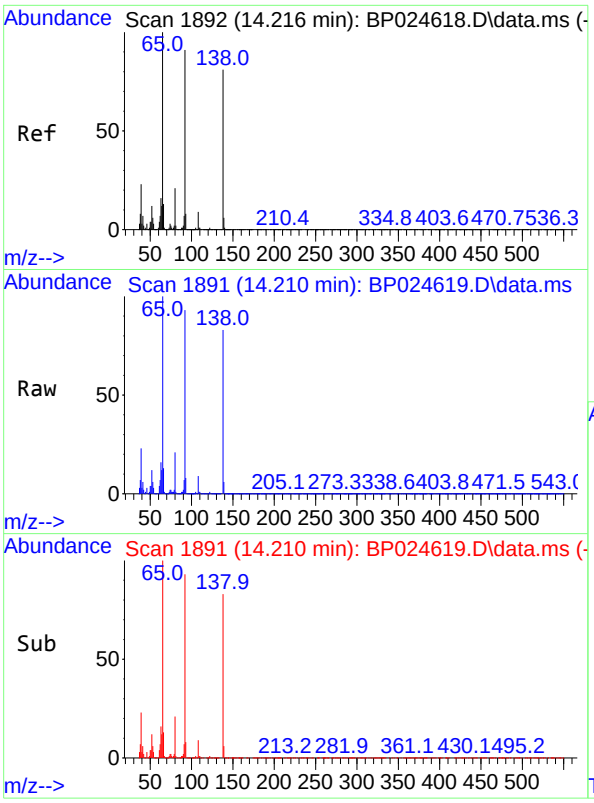


#52
Acenaphthene
Concen: 53.42 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 923238

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.0	136.4
152	53.6	42.9	64.3



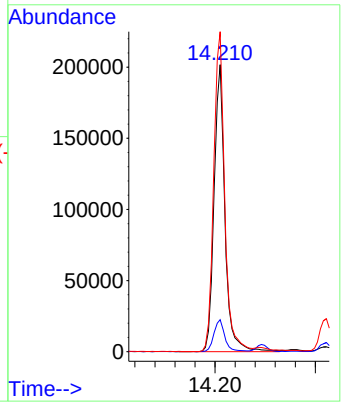


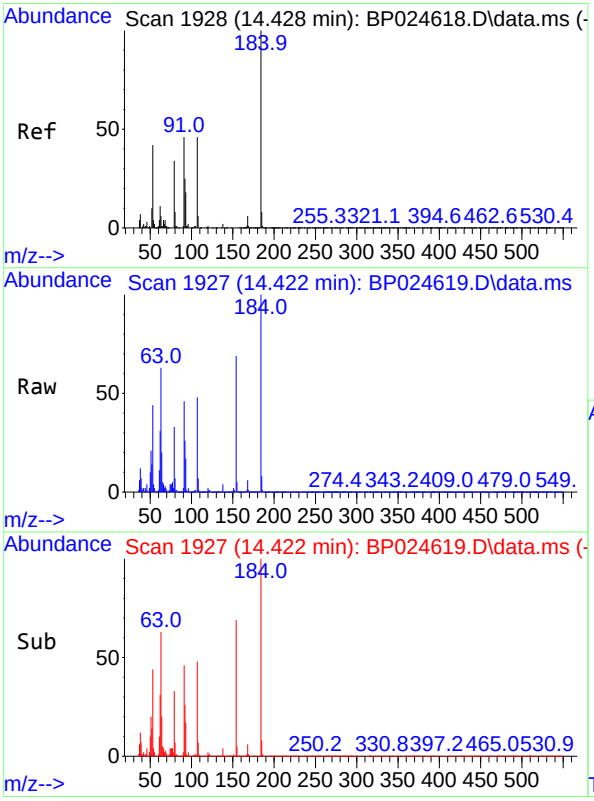
#53
3-Nitroaniline
Concen: 57.71 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 302341

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	111.5	90.1	135.1

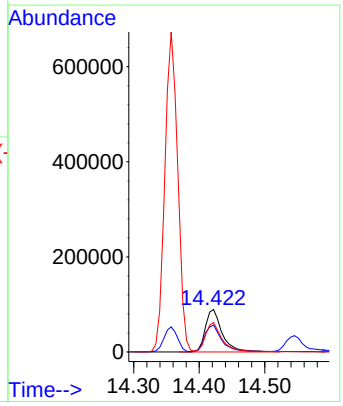


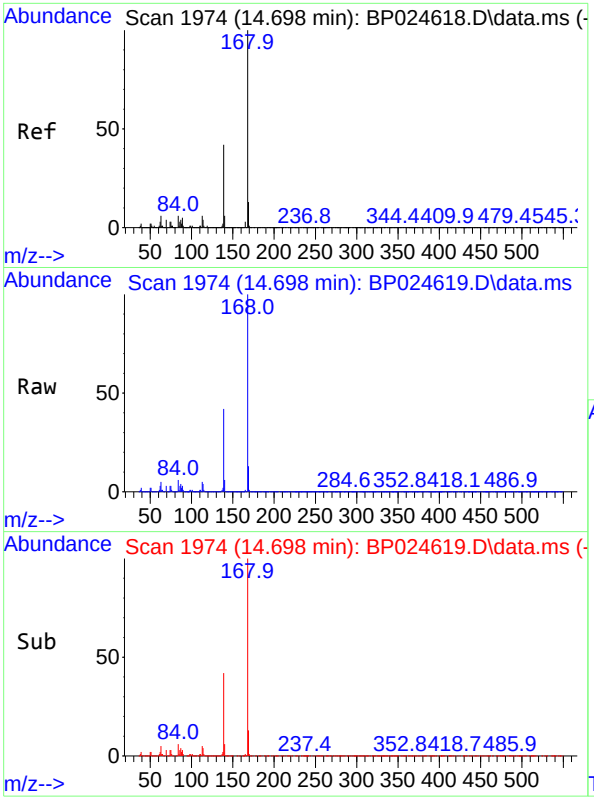


#54
2,4-Dinitrophenol
Concen: 51.86 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:184 Resp: 159888

Ion	Ratio	Lower	Upper
184	100		
63	63.3	51.3	76.9
154	69.3	53.5	80.3



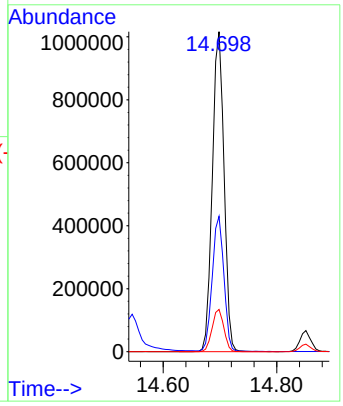


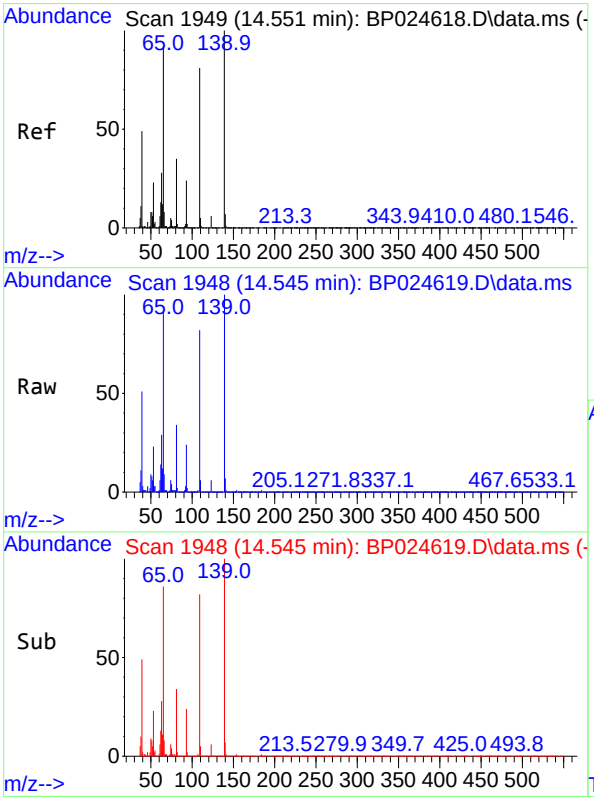
#55
Dibenzofuran
Concen: 52.50 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1447333

Ion	Ratio	Lower	Upper
168	100		
139	42.3	34.2	51.4
169	13.2	10.8	16.2

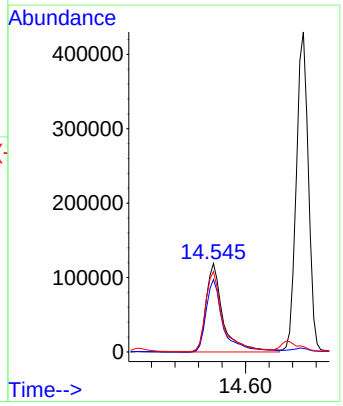


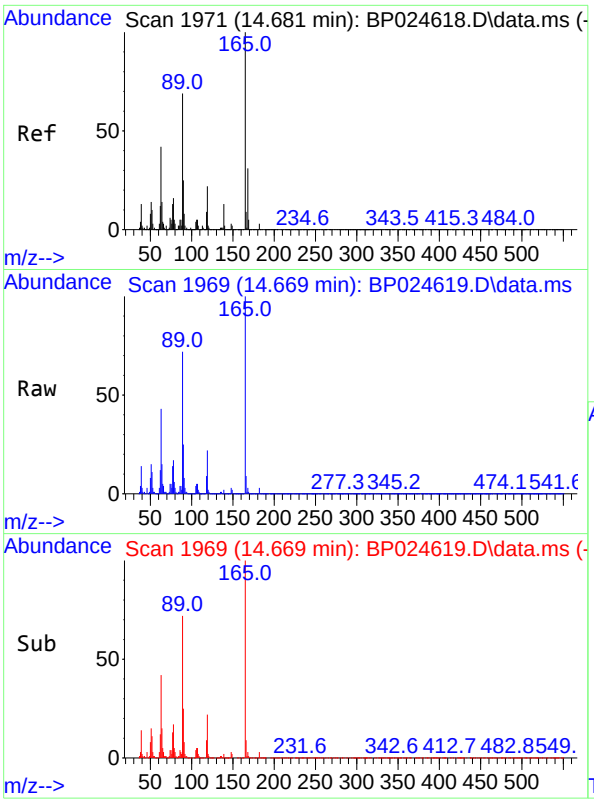


#56
4-Nitrophenol
Concen: 53.99 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 238294

Ion	Ratio	Lower	Upper
139	100		
109	82.0	61.4	101.4
65	90.8	72.2	112.2



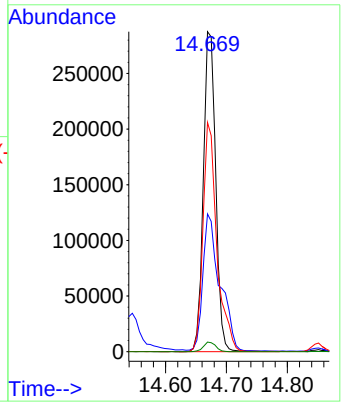


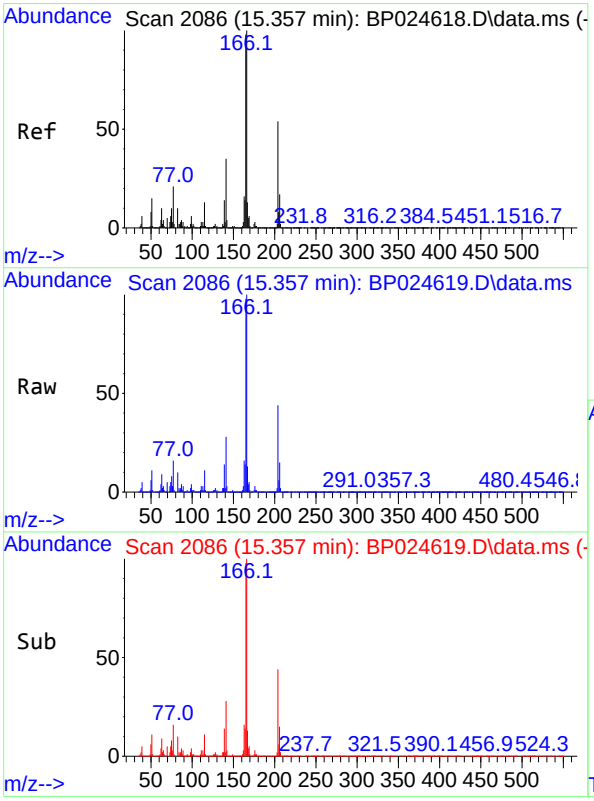
#57
2,4-Dinitrotoluene
Concen: 55.94 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 404684

Ion	Ratio	Lower	Upper
165	100		
63	43.0	33.8	50.6
89	71.7	55.6	83.4
182	3.0	2.4	3.6

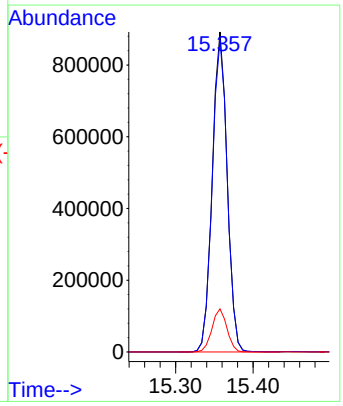


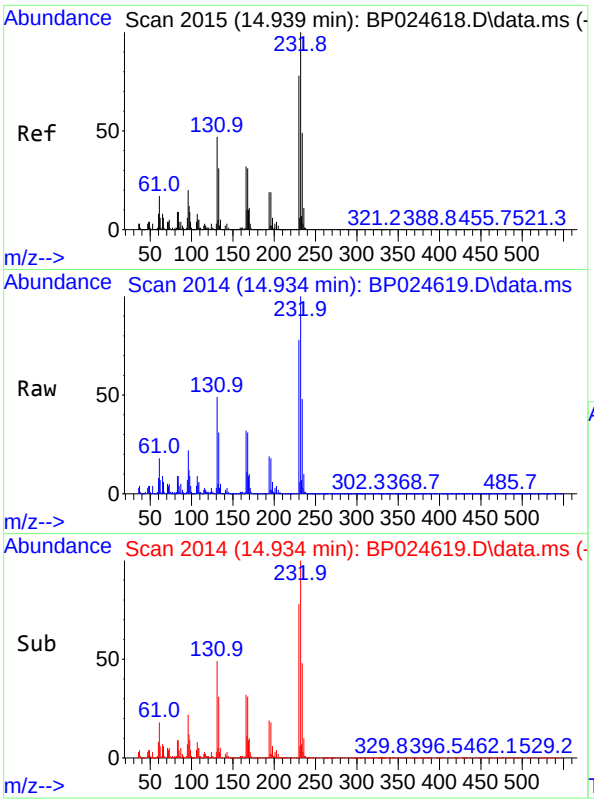


#58
Fluorene
Concen: 52.97 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:166 Resp: 1190632

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.5	117.7
167	13.4	10.7	16.1



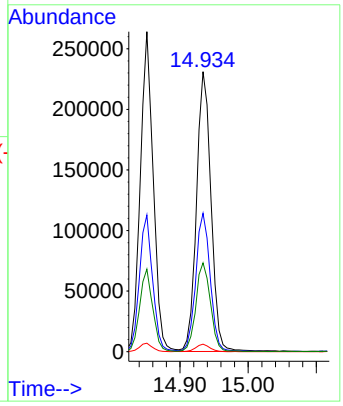


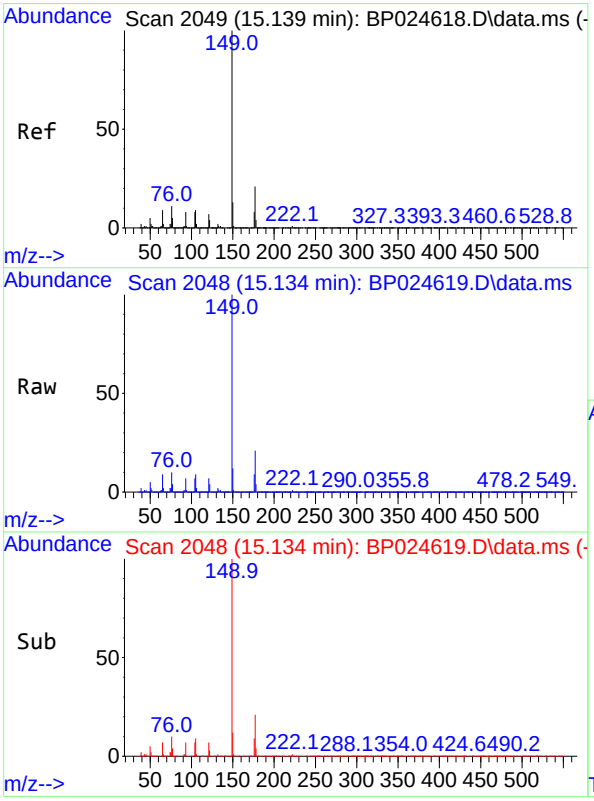
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.11 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 341204

Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.5	59.3
130	2.6	2.2	3.4
166	31.8	25.7	38.5

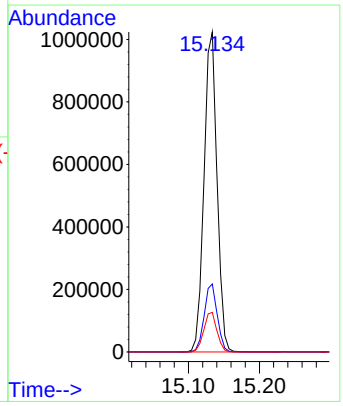


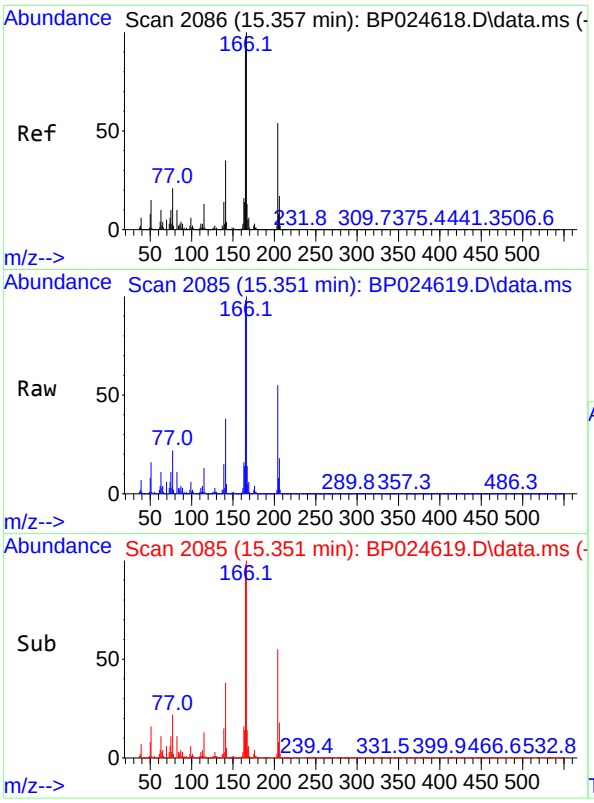


#60
Diethylphthalate
Concen: 53.18 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1305791

Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.7	25.1
150	12.3	10.2	15.2



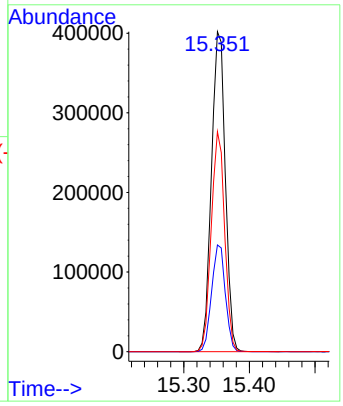


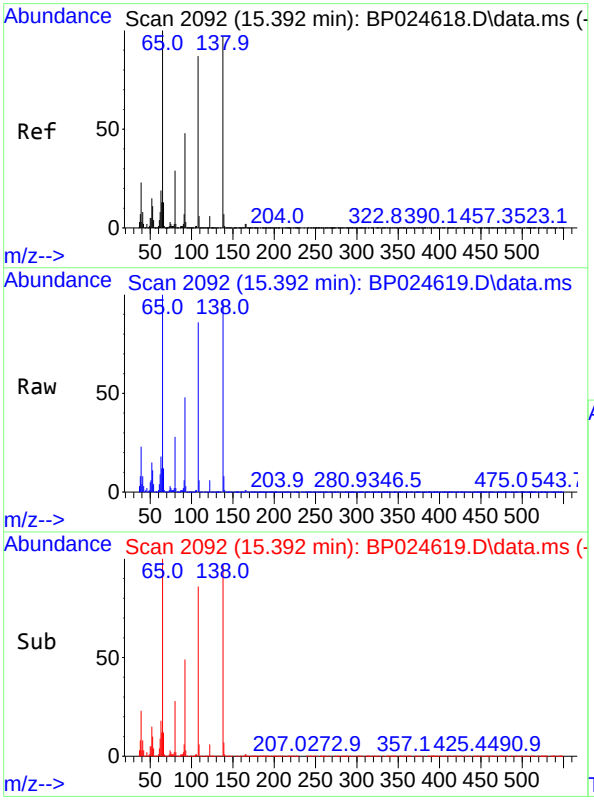
#61
4-Chlorophenyl-phenylether
Concen: 52.67 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 590421

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.0	39.0
141	68.7	52.9	79.3

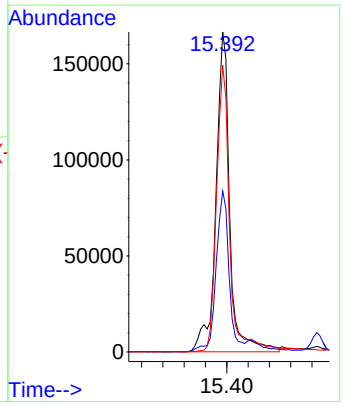


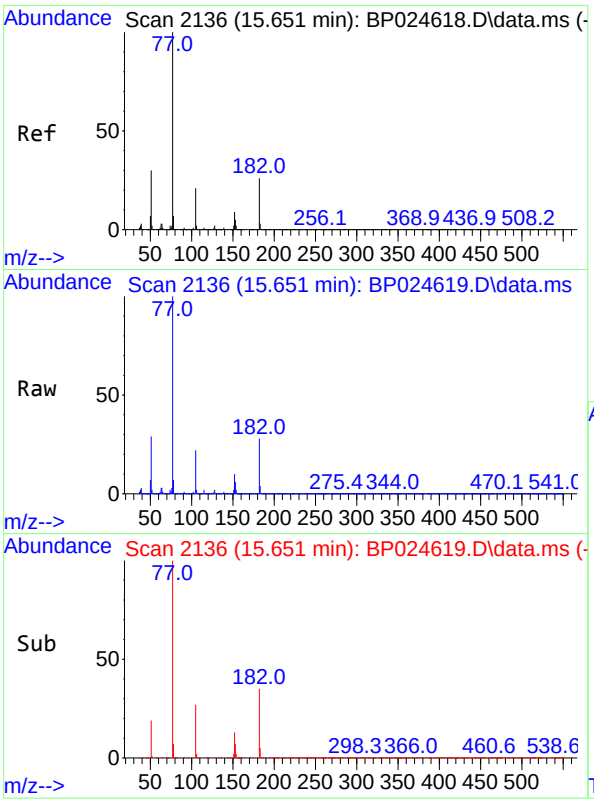


#62
4-Nitroaniline
Concen: 58.55 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:138 Resp: 298681

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.2	69.2
108	89.6	69.0	109.0



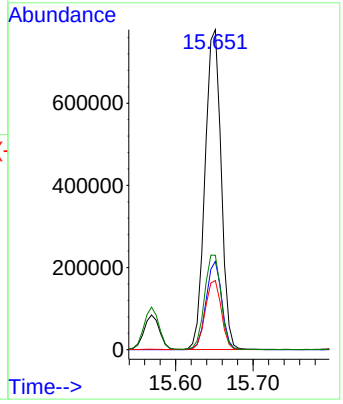


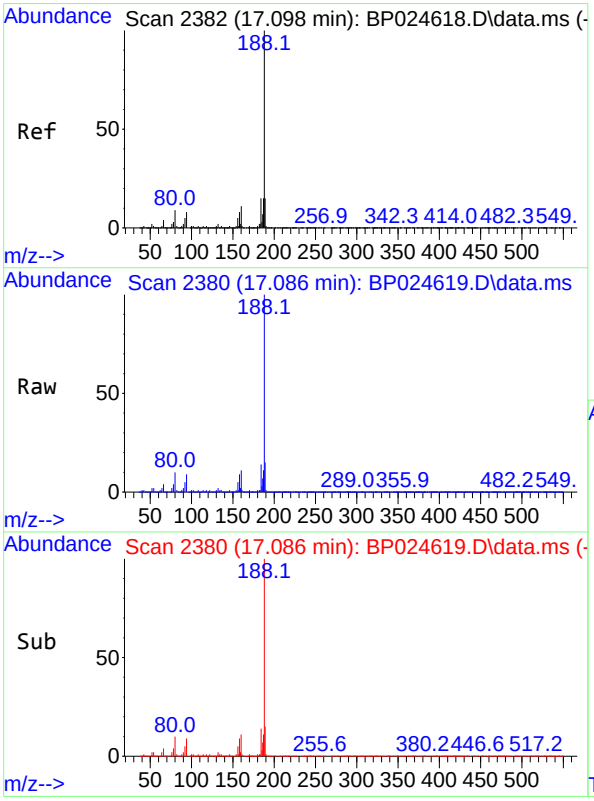
#63
Azobenzene
Concen: 53.39 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1121556

Ion	Ratio	Lower	Upper
77	100		
182	27.6	5.7	45.7
105	21.6	1.3	41.3
51	29.5	10.6	50.6

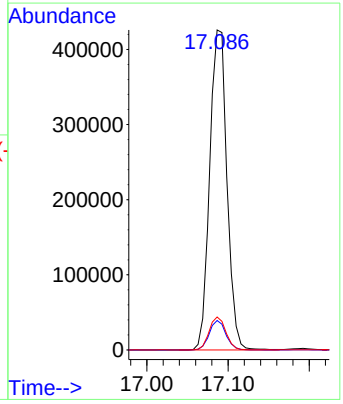


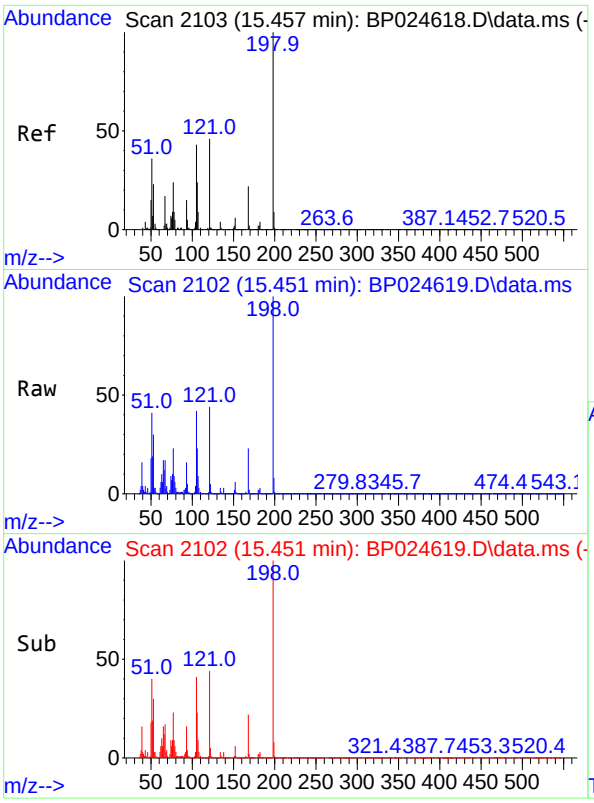


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:188 Resp: 628781

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.5	9.7
80	10.3	7.3	10.9



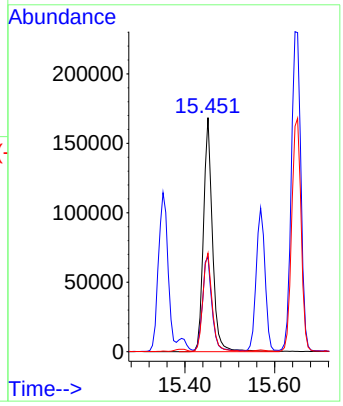


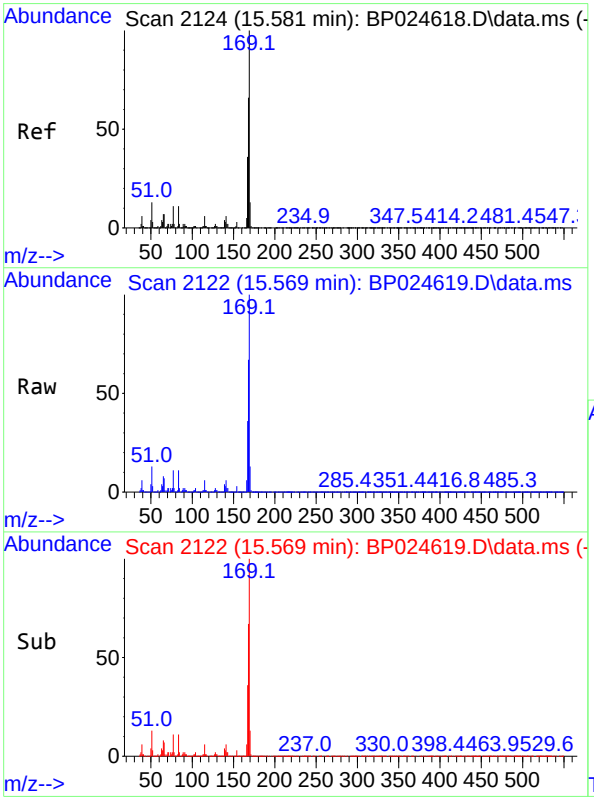
#65
4,6-Dinitro-2-methylphenol
Concen: 57.64 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 234095

Ion	Ratio	Lower	Upper
198	100		
51	40.5	21.1	61.1
105	42.1	23.6	63.6

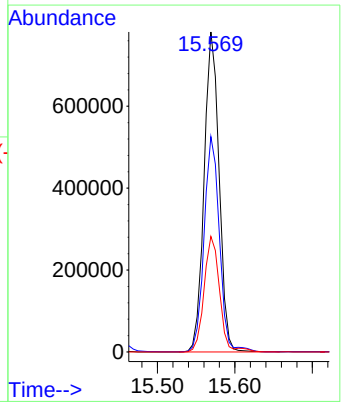


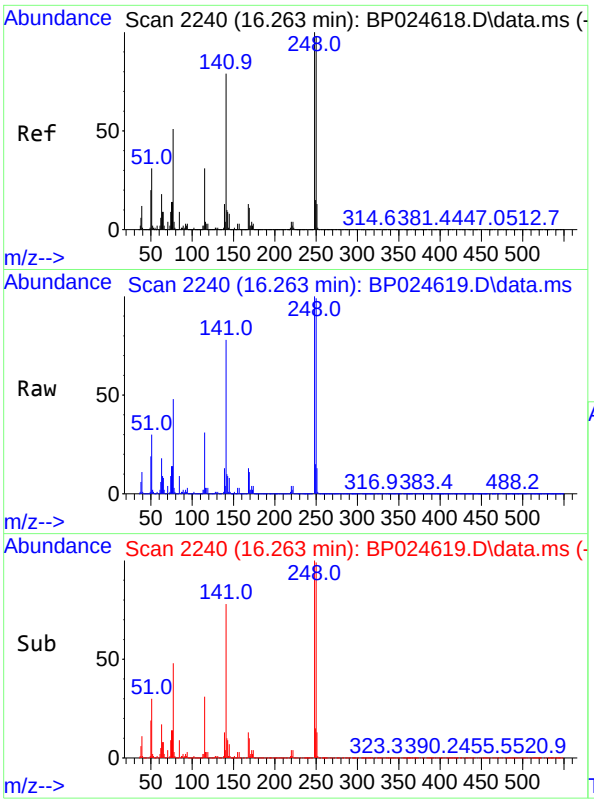


#66
n-Nitrosodiphenylamine
Concen: 54.28 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:169 Resp: 1048396

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.2	79.8
167	36.1	28.6	43.0



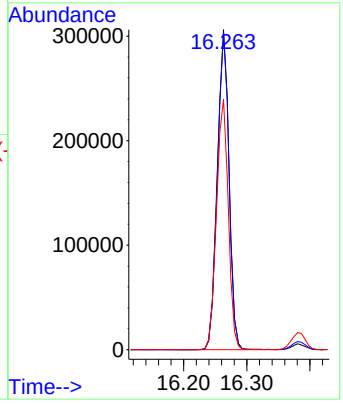


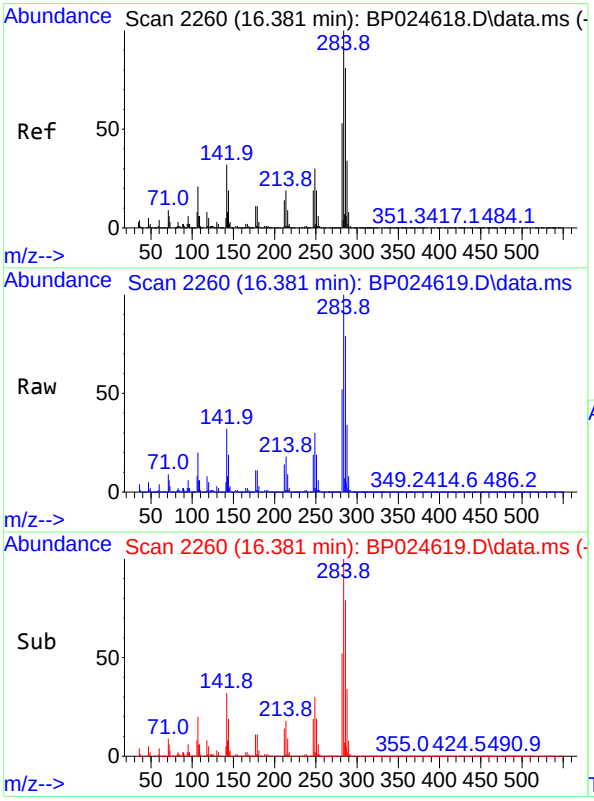
#67
4-Bromophenyl-phenylether
Concen: 53.50 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 396385

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	78.2	63.0	94.6

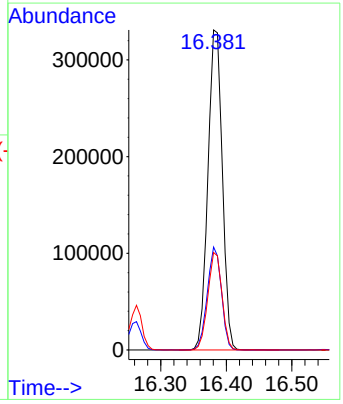


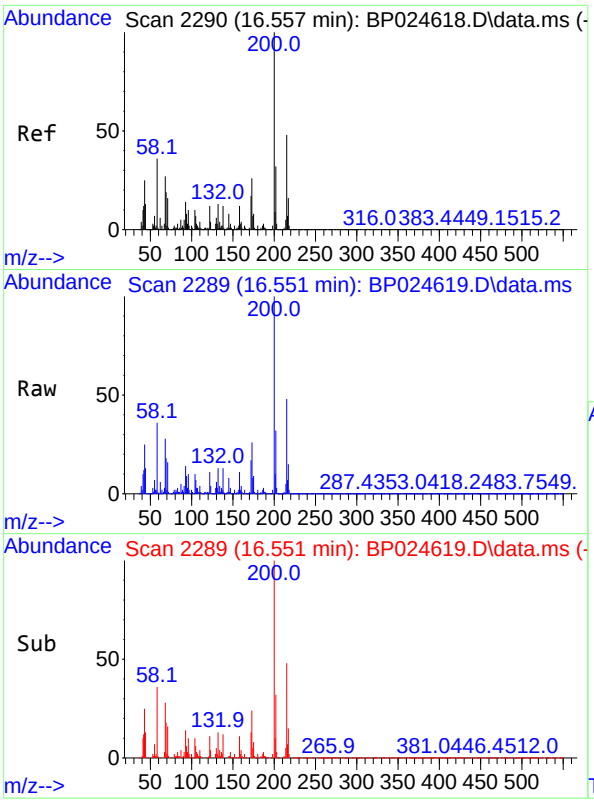


#68
Hexachlorobenzene
Concen: 53.64 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:284 Resp: 504987

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.9	38.9
249	30.4	24.1	36.1



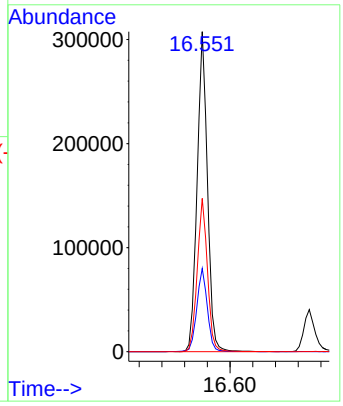


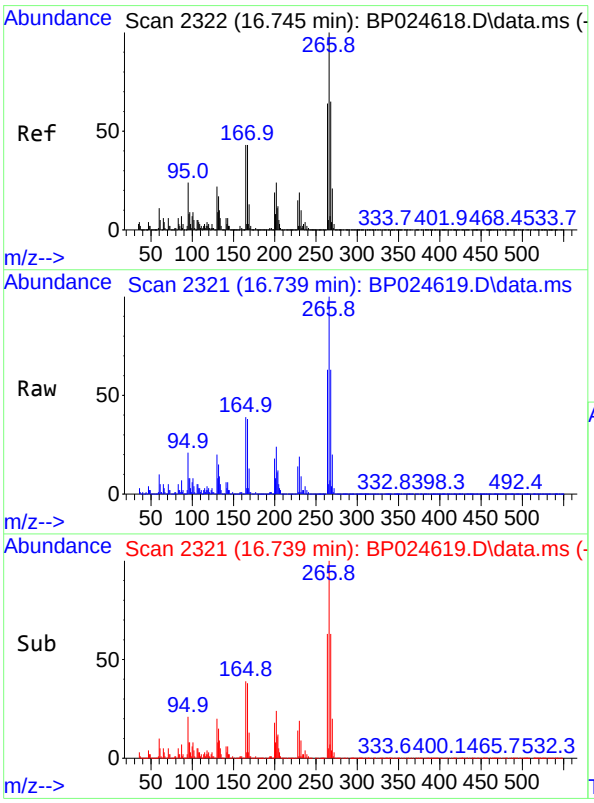
#69
Atrazine
Concen: 55.07 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 389749

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.9	45.9
215	47.9	28.3	68.3

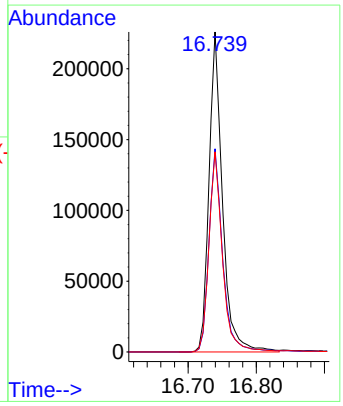


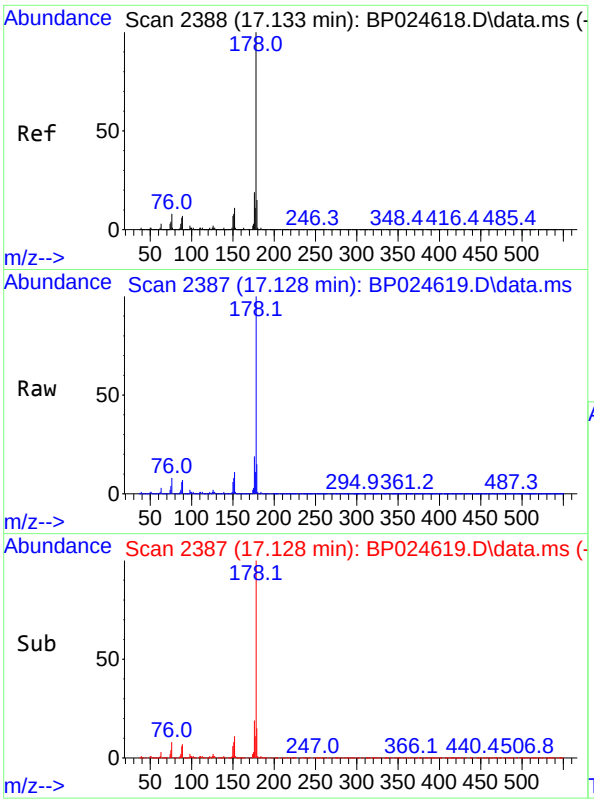


#70
Pentachlorophenol
Concen: 58.71 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:266 Resp: 310477

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.2	78.4
264	62.6	51.1	76.7



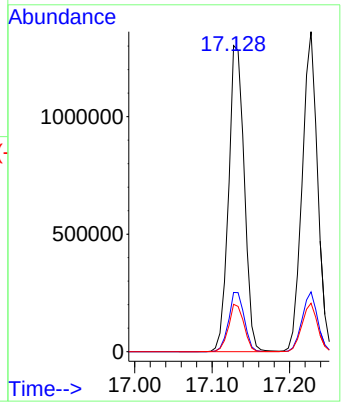


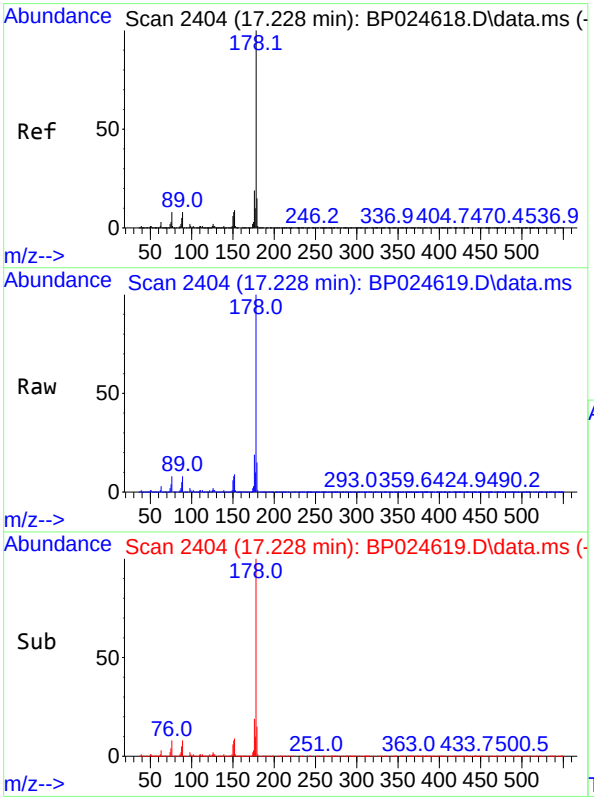
#71
Phenanthrene
Concen: 52.61 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1838891

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.2	18.4

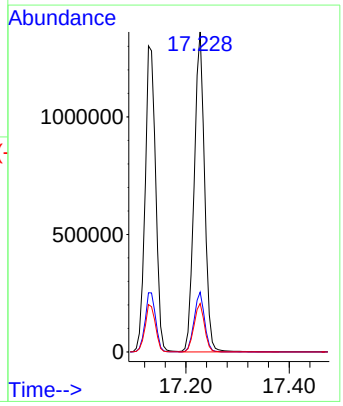


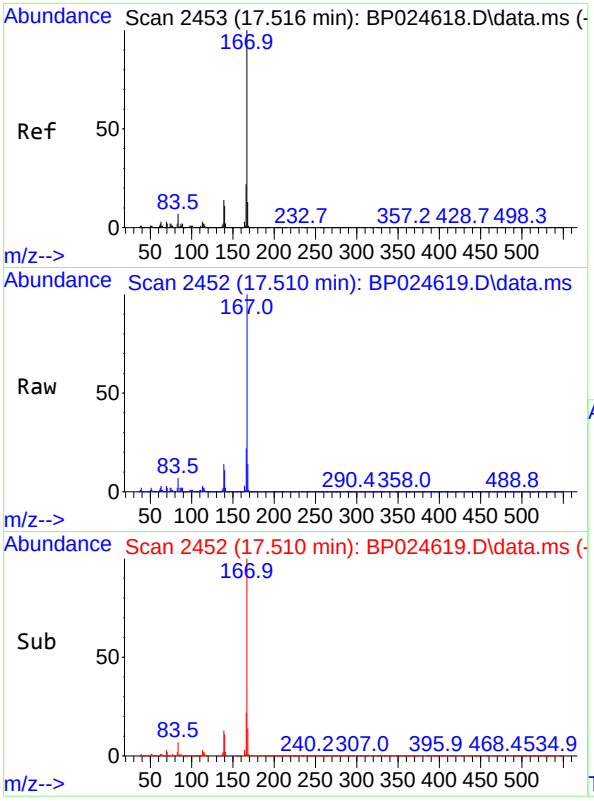


#72
Anthracene
Concen: 53.87 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:178 Resp: 1894573

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.1	12.2	18.2



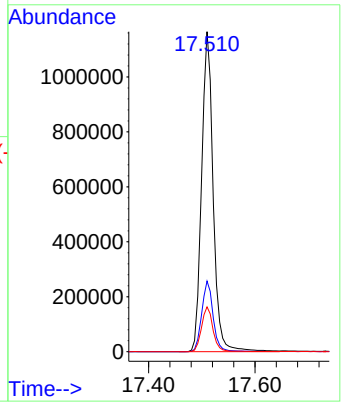


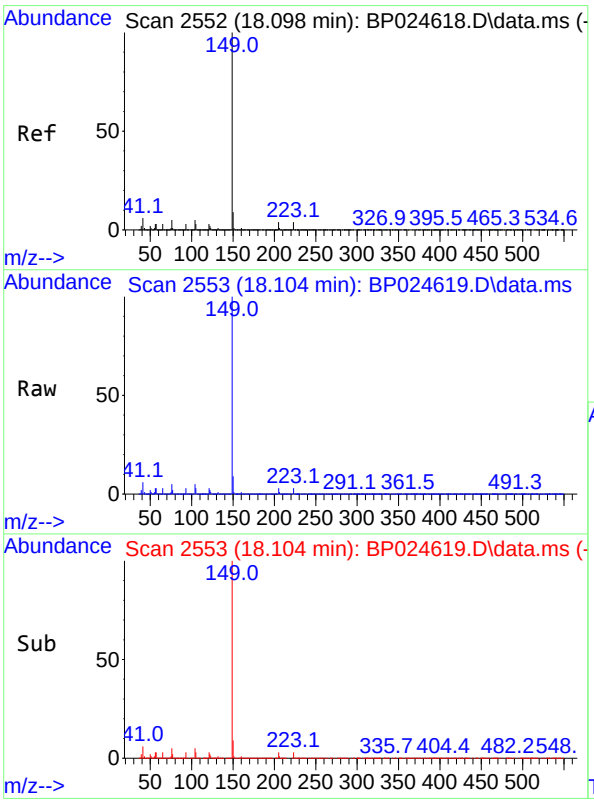
#73
Carbazole
Concen: 55.00 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1750681

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.0	11.3	16.9

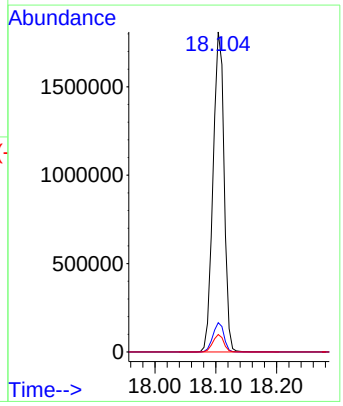


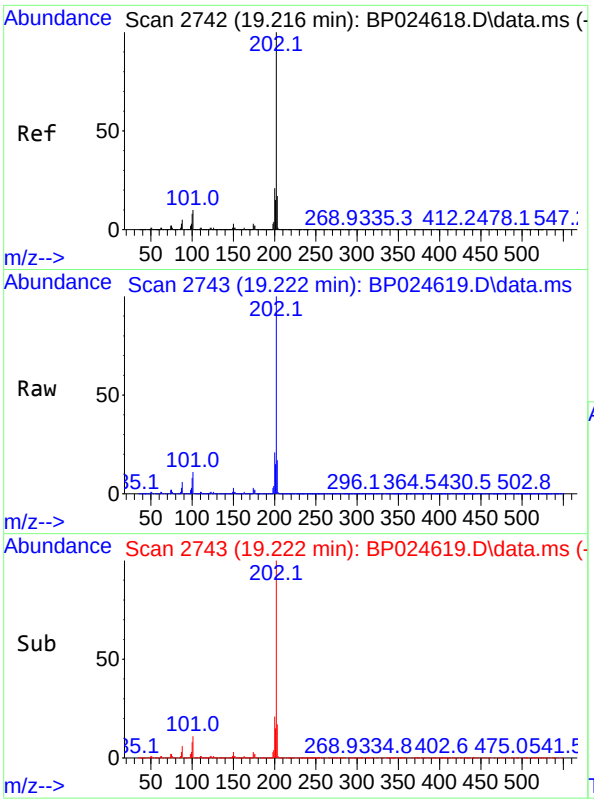


#74
Di-n-butylphthalate
Concen: 55.58 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 2275163

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.4	4.3	6.5



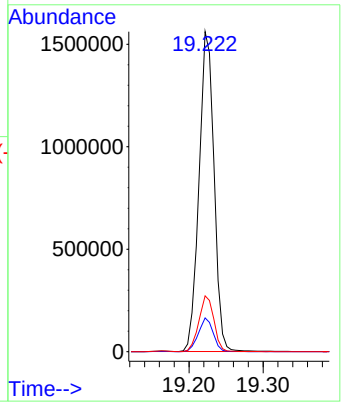


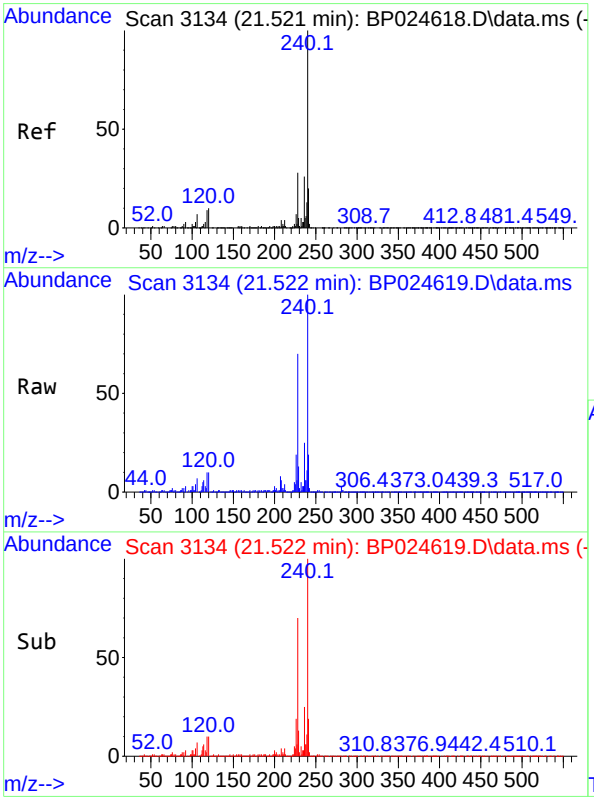
#75
Fluoranthene
Concen: 53.84 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2199818

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.4	0.0	37.5

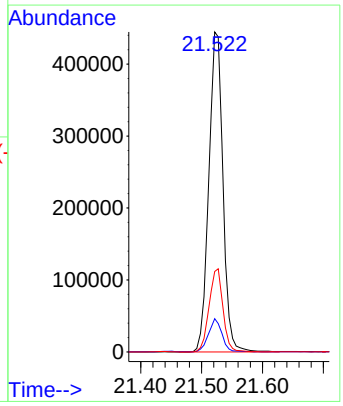


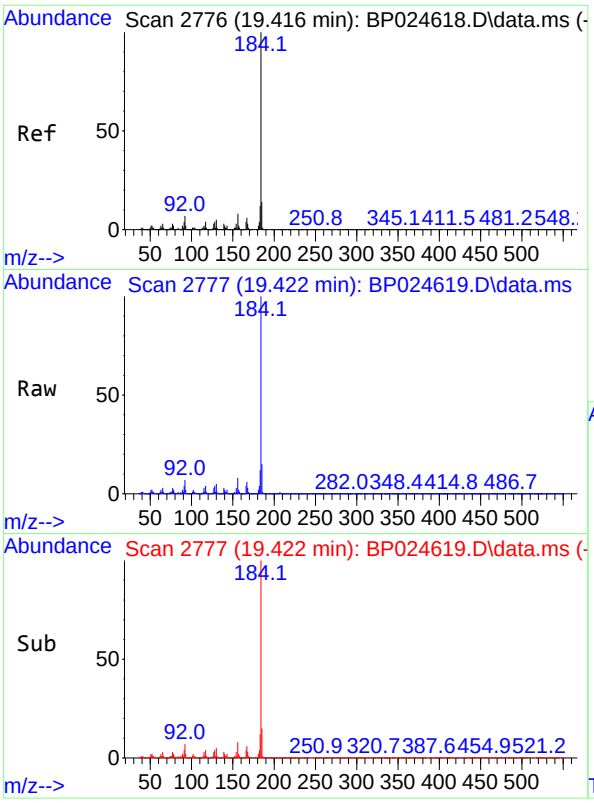


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:240 Resp: 717340

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.8	11.6
236	25.1	20.6	31.0



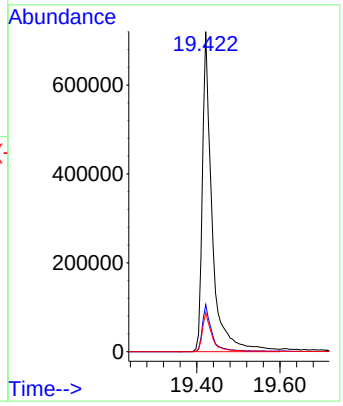


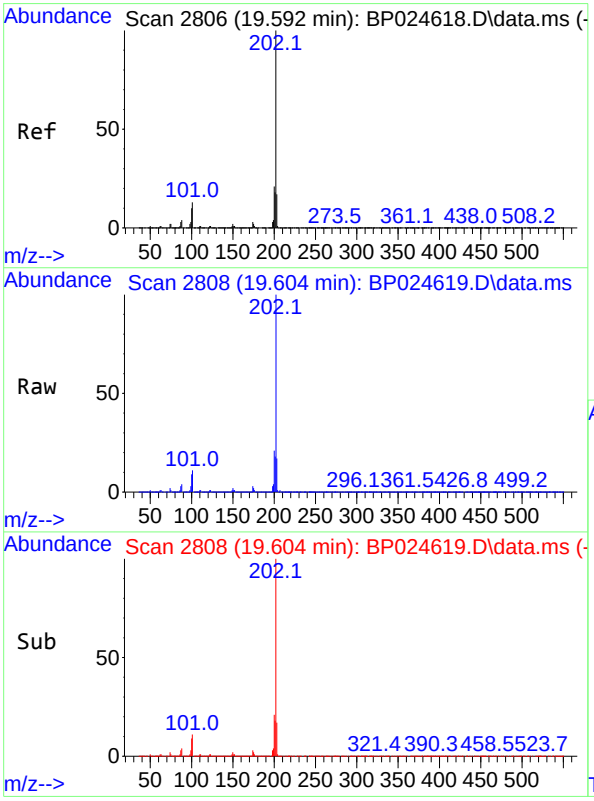
#77
Benzidine
Concen: 59.85 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1178505

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.2	16.8
183	12.2	9.8	14.8

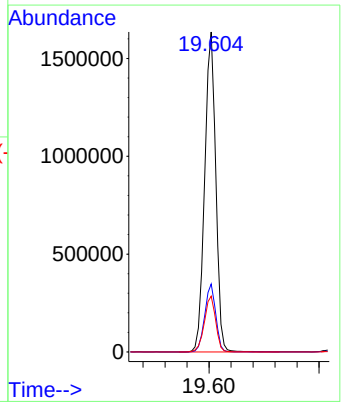


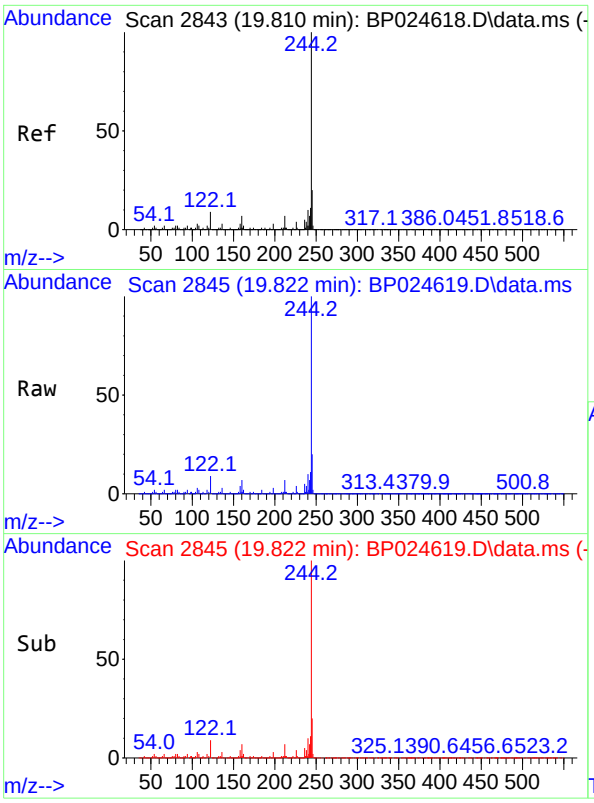


#78
Pyrene
Concen: 53.11 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:202 Resp: 2282702

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.4	13.9	20.9



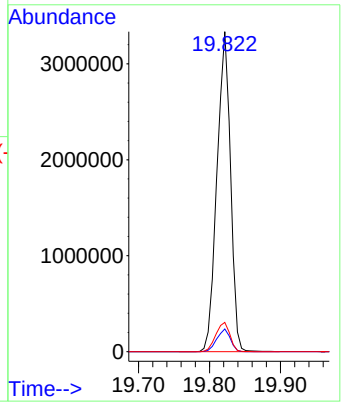


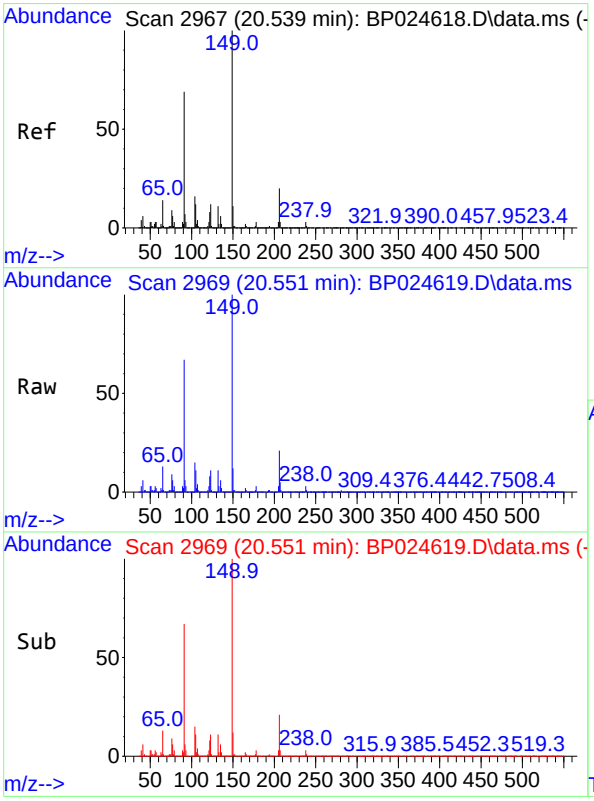
#79
Terphenyl-d14
Concen: 105.15 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 4398872

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.2	7.4	11.0

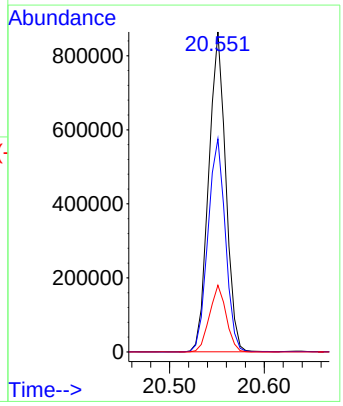


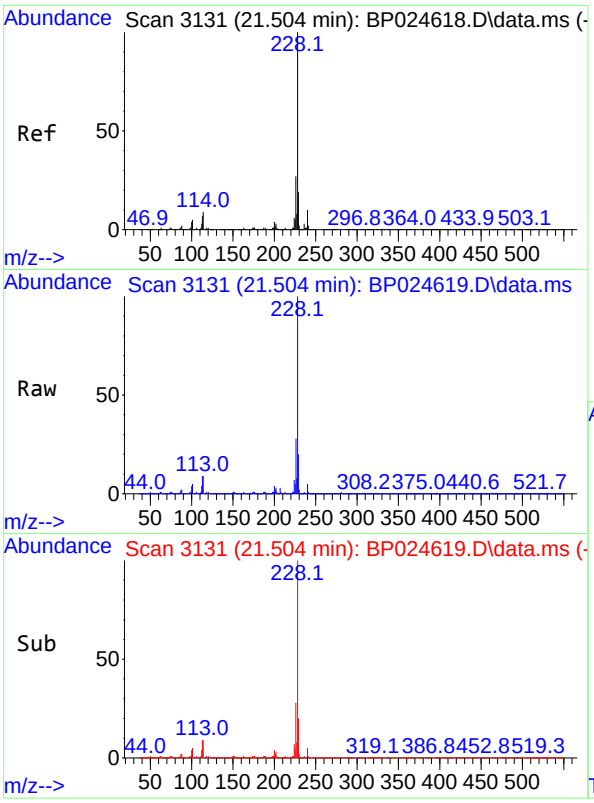


#80
Butylbenzylphthalate
Concen: 56.68 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1083395

Ion	Ratio	Lower	Upper
149	100		
91	66.6	55.4	83.0
206	20.8	16.2	24.2



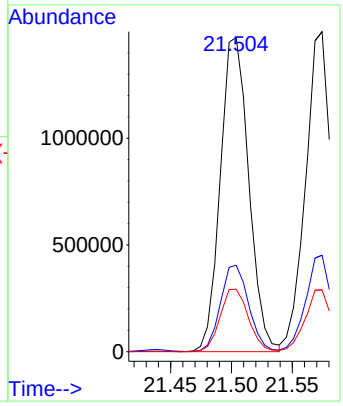


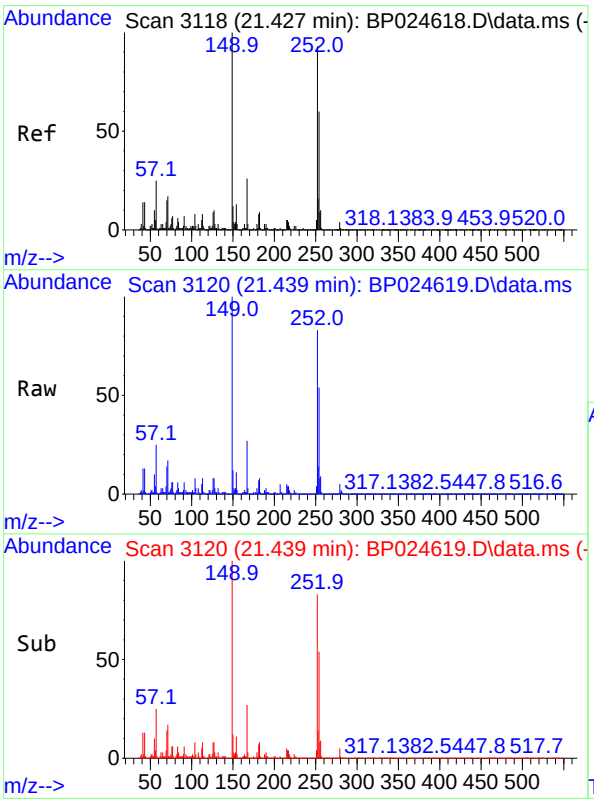
#81
Benzo(a)anthracene
Concen: 53.20 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2396398

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.9	15.5	23.3

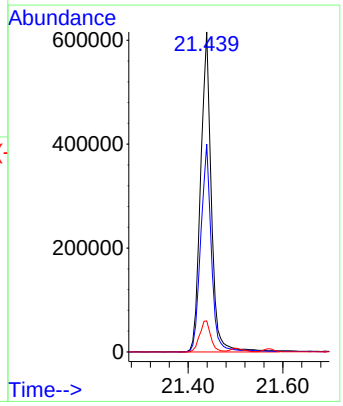


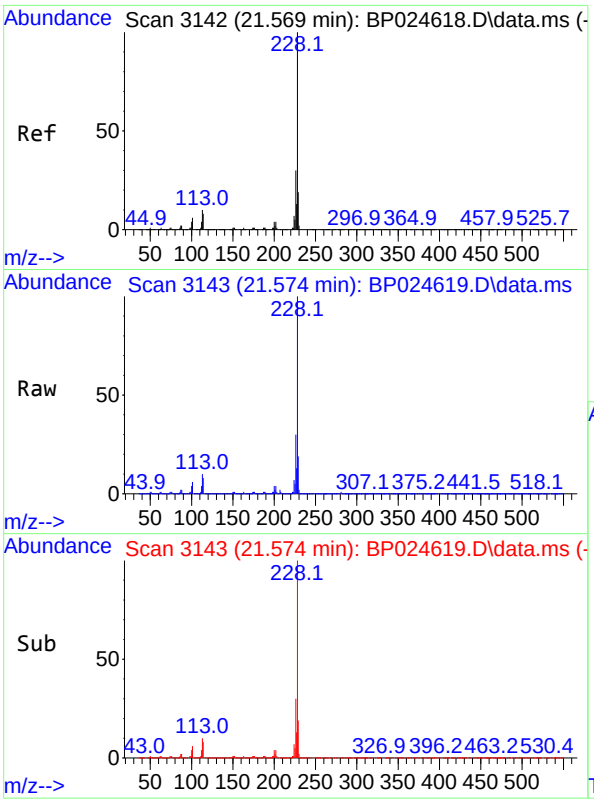


#82
3,3'-Dichlorobenzidine
Concen: 57.80 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 966906

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	9.7	7.7	11.5



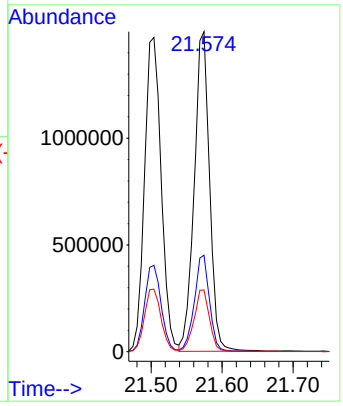


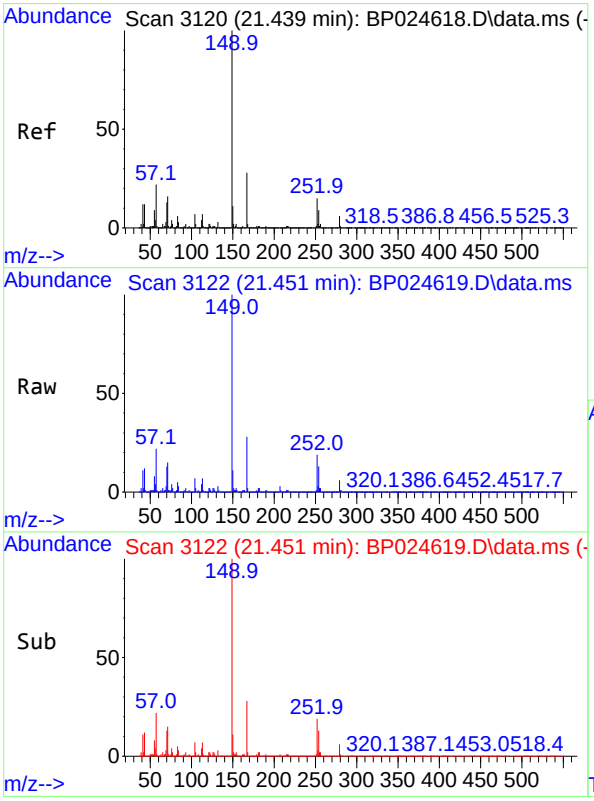
#83
Chrysene
Concen: 52.71 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2250800

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.3	15.5	23.3

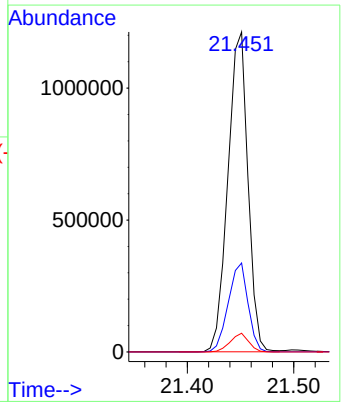


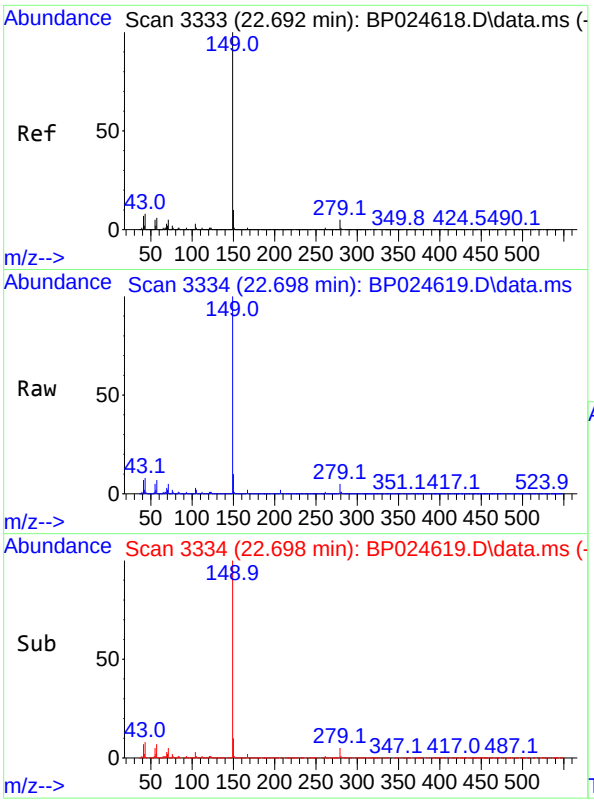


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.42 ng
RT: 21.451 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1585070

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	5.9	4.6	6.8



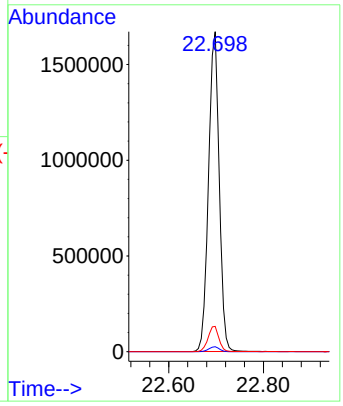


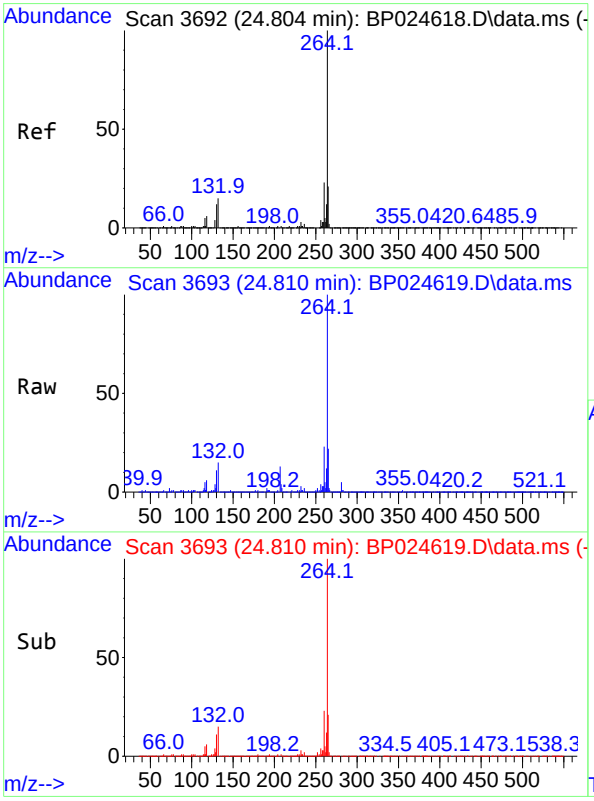
#85
Di-n-octyl phthalate
Concen: 56.91 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 2614856

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.0	6.3	9.5

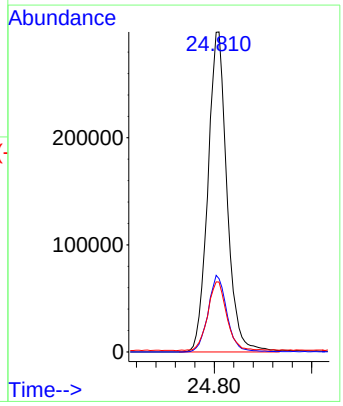


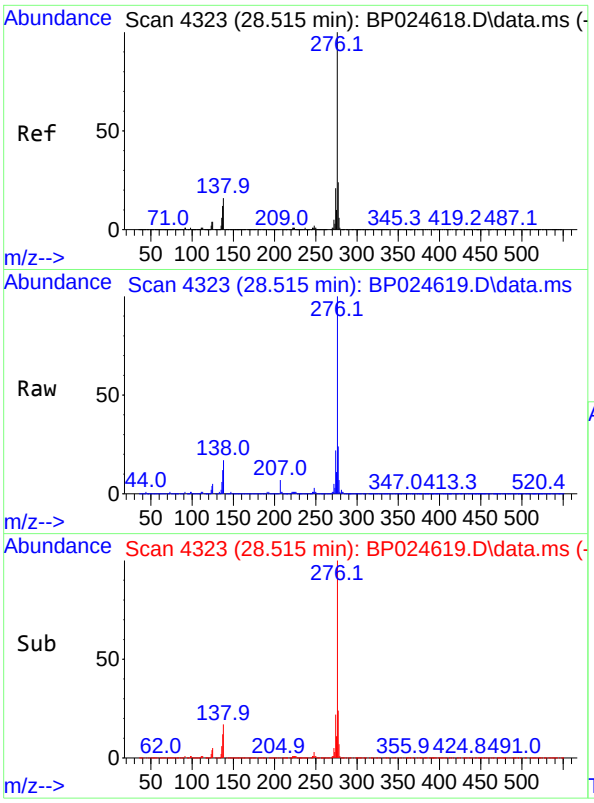


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:264 Resp: 811421

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.9	17.0	25.6



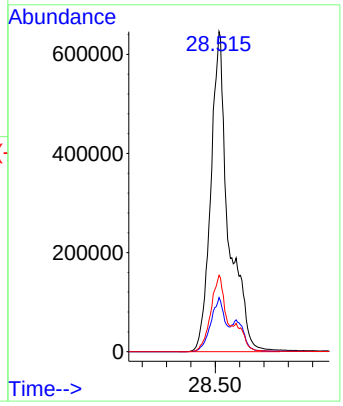


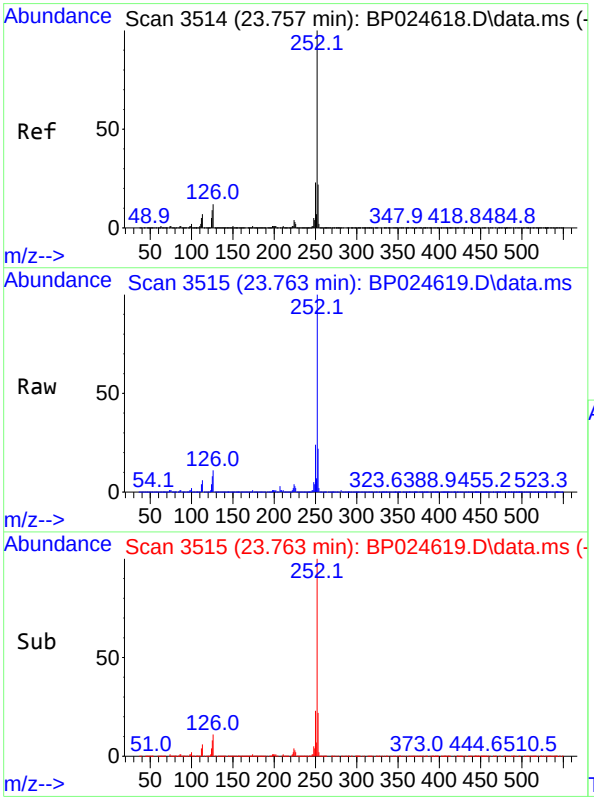
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.06 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 3262830

Ion	Ratio	Lower	Upper
276	100		
138	13.6	11.2	16.8
277	19.3	15.7	23.5

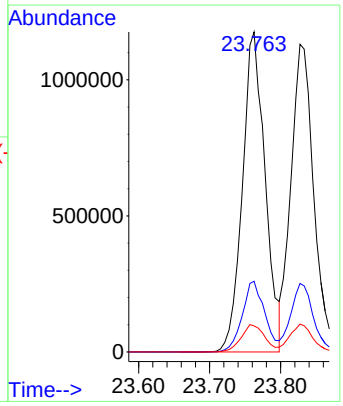


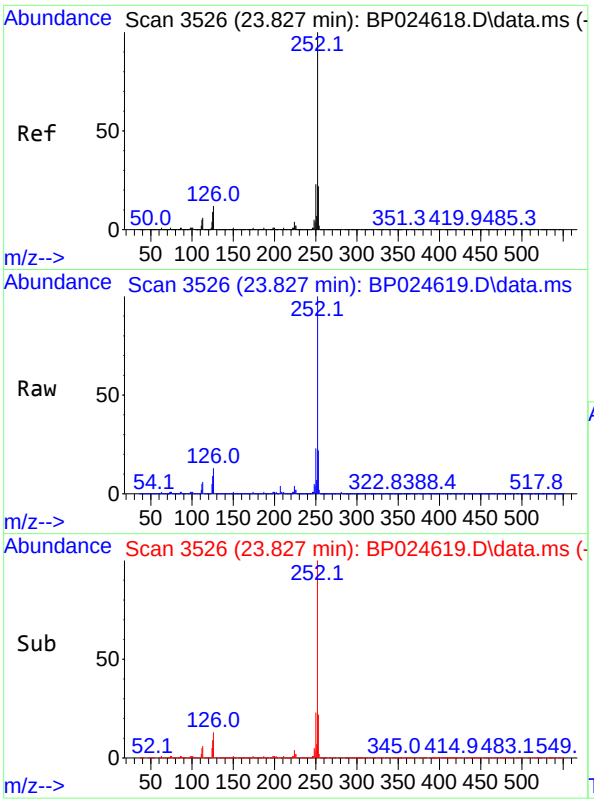


#88
Benzo(b)fluoranthene
Concen: 56.25 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2612438

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.2	7.5	11.3



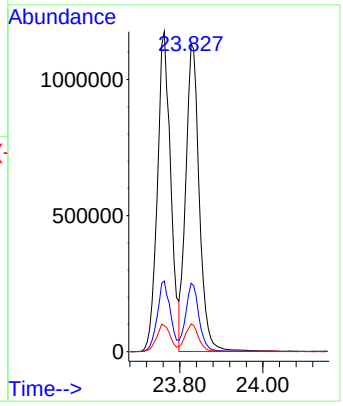


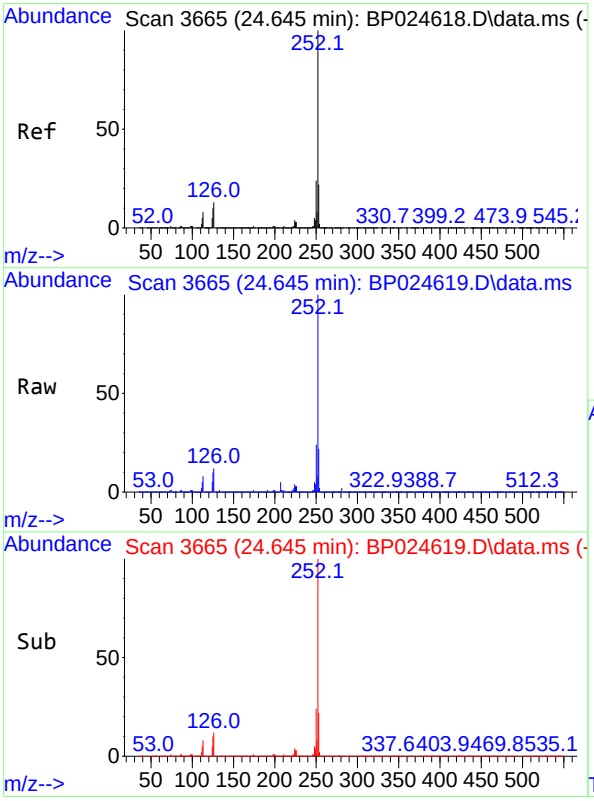
#89
Benzo(k)fluoranthene
Concen: 53.34 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 2552663

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	9.1	7.0	10.4

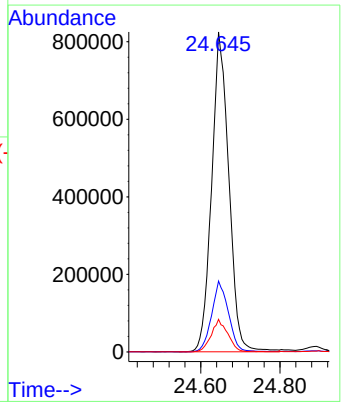


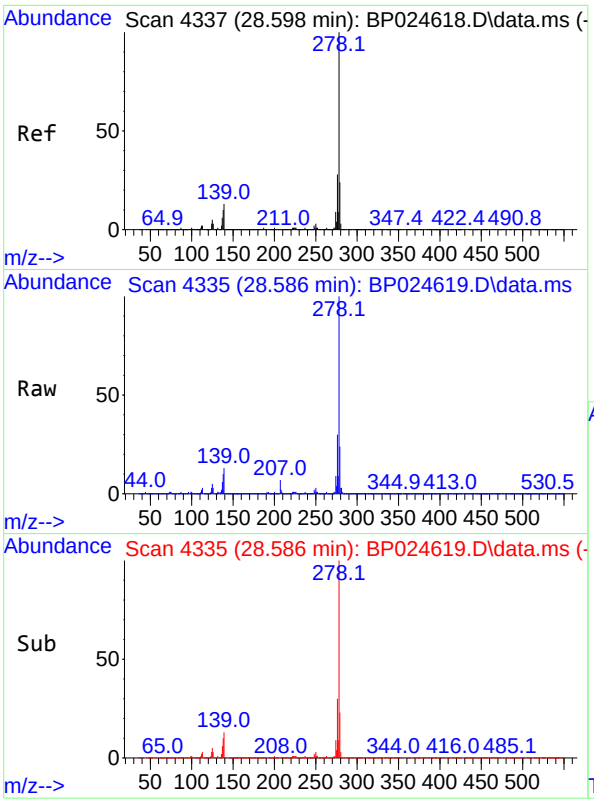


#90
Benzo(a)pyrene
Concen: 55.51 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2475976

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.1	12.1



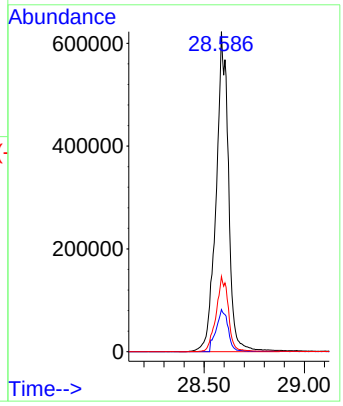


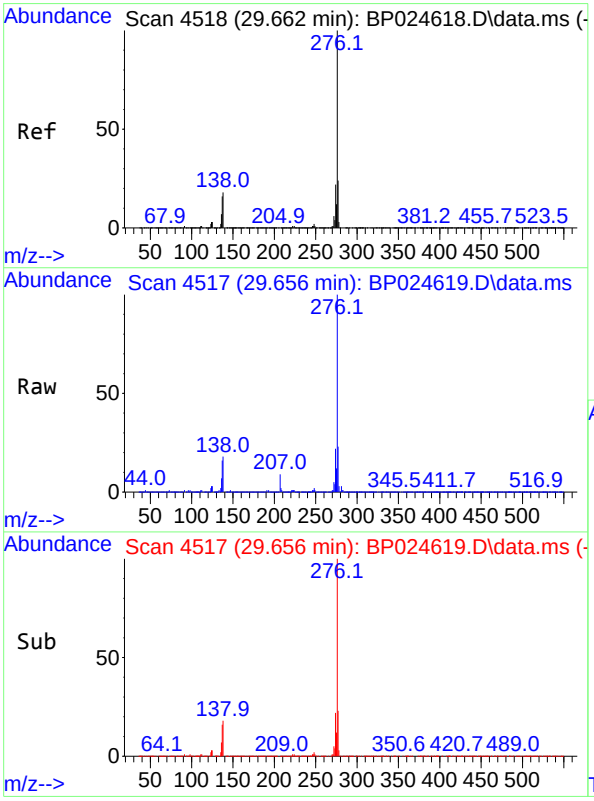
#91
Dibenzo(a,h)anthracene
Concen: 55.60 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 2679367

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.2	15.4
279	23.5	19.0	28.4

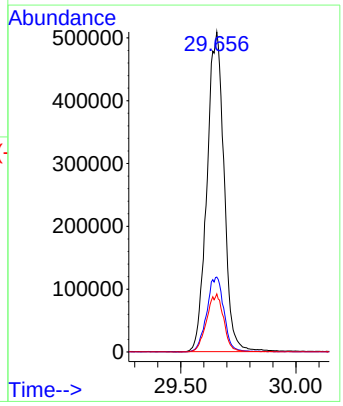




#92
Benzo(g,h,i)perylene
Concen: 54.79 ng
RT: 29.656 min Scan# 4517
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:276 Resp: 2625625

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	18.2	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	106955	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	484921	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	325327	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	646756	20.00	ng		-0.01
76) Chrysene-d12	21.521	240	726281	20.00	ng		0.00
86) Perylene-d12	24.810	264	822943	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.281	112	784577	125.47	ng		0.00
7) Phenol-d6	6.858	99	1039562	130.26	ng		0.00
23) Nitrobenzene-d5	8.816	82	1188192	123.80	ng		0.00
42) 2,4,6-Tribromophenol	15.816	330	696428	126.27	ng		0.00
45) 2-Fluorobiphenyl	12.910	172	2956939	119.08	ng		0.00
79) Terphenyl-d14	19.822	244	5119872	120.88	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	170174	57.95	ng		99
3) Pyridine	3.617	79	419426	64.42	ng		98
4) n-Nitrosodimethylamine	3.528	42	178836	62.22	ng		99
6) Aniline	7.005	93	670773	65.10	ng		100
8) 2-Chlorophenol	7.240	128	459952	64.79	ng		99
9) Benzaldehyde	6.816	77	305987	59.33	ng		98
10) Phenol	6.881	94	535743	65.04	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	416957	61.60	ng		99
12) 1,3-Dichlorobenzene	7.552	146	496139	60.75	ng		99
13) 1,4-Dichlorobenzene	7.699	146	502743	61.20	ng		99
14) 1,2-Dichlorobenzene	8.010	146	490458	61.27	ng		99
15) Benzyl Alcohol	7.910	79	413146	68.12	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	501972	61.93	ng		98
17) 2-Methylphenol	8.110	107	389272	65.89	ng		98
18) Hexachloroethane	8.728	117	191530	60.85	ng		97
19) n-Nitroso-di-n-propyla...	8.463	70	363059	65.76	ng		99
20) 3+4-Methylphenols	8.434	107	543003	67.57	ng		99
22) Acetophenone	8.481	105	744359	61.45	ng	#	98
24) Nitrobenzene	8.857	77	518098	61.34	ng		97
25) Isophorone	9.381	82	1048461	62.98	ng		99
26) 2-Nitrophenol	9.557	139	278764	67.36	ng		99
27) 2,4-Dimethylphenol	9.622	122	462148	63.34	ng		100
28) bis(2-Chloroethoxy)met...	9.851	93	610221	61.35	ng		99
29) 2,4-Dichlorophenol	10.093	162	459806	65.03	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	478505	60.05	ng		97
31) Naphthalene	10.487	128	1508460	60.03	ng		100
32) Benzoic acid	9.799	122	319375	60.53	ng		99
33) 4-Chloroaniline	10.599	127	671888	66.26	ng		99
34) Hexachlorobutadiene	10.769	225	303458	58.79	ng		98
35) Caprolactam	11.404	113	175653	68.70	ng		97
36) 4-Chloro-3-methylphenol	11.740	107	559138	64.84	ng		100
37) 2-Methylnaphthalene	12.098	142	1008171	61.96	ng		99
38) 1-Methylnaphthalene	12.316	142	1066290	61.25	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	566530	59.97	ng		100
41) Hexachlorocyclopentadiene	12.445	237	381621	66.62	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	400552	65.46	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	436361	64.06	ng		99
46) 1,1'-Biphenyl	13.122	154	1437786	59.80	ng		100
47) 2-Chloronaphthalene	13.163	162	1105298	60.29	ng		100
48) 2-Nitroaniline	13.369	65	354977	65.40	ng		98
49) Acenaphthylene	14.016	152	1884018	61.41	ng		100
50) Dimethylphthalate	13.757	163	1498318	60.42	ng		100
51) 2,6-Dinitrotoluene	13.875	165	328682	62.76	ng		99
52) Acenaphthene	14.363	154	1072483	60.80	ng		100
53) 3-Nitroaniline	14.210	138	361174	67.54	ng		99
54) 2,4-Dinitrophenol	14.428	184	196350	61.10	ng		96
55) Dibenzofuran	14.698	168	1691790	60.13	ng		99
56) 4-Nitrophenol	14.545	139	281293	61.78	ng		98
57) 2,4-Dinitrotoluene	14.675	165	471525	63.87	ng		99
58) Fluorene	15.363	166	1376412	60.00	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	396678	62.78	ng		99
60) Diethylphthalate	15.134	149	1525628	60.87	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	692230	60.51	ng		99
62) 4-Nitroaniline	15.404	138	354287	68.05	ng		99
63) Azobenzene	15.657	77	1310800	61.14	ng		97
65) 4,6-Dinitro-2-methylph...	15.457	198	278024	66.55	ng		95
66) n-Nitrosodiphenylamine	15.575	169	1205525	60.68	ng		100
67) 4-Bromophenyl-phenylether	16.269	248	469127	61.56	ng		99
68) Hexachlorobenzene	16.386	284	590615	60.99	ng		99
69) Atrazine	16.557	200	460742	63.29	ng		98
70) Pentachlorophenol	16.739	266	371465	68.29	ng		99
71) Phenanthrene	17.133	178	2183329	60.73	ng		100
72) Anthracene	17.233	178	2210412	61.11	ng		99
73) Carbazole	17.510	167	2042777	62.39	ng		100
74) Di-n-butylphthalate	18.098	149	2644959	62.81	ng		99
75) Fluoranthene	19.222	202	2594532	61.73	ng		100
77) Benzidine	19.422	184	1304259	65.42	ng		99
78) Pyrene	19.598	202	2661811	61.17	ng		100
80) Butylbenzylphthalate	20.551	149	1243403	64.25	ng		100
81) Benzo(a)anthracene	21.504	228	2778689	60.93	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	1114122	65.77	ng		100
83) Chrysene	21.574	228	2588513	59.88	ng		100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1822019	64.05	ng		99
85) Di-n-octyl phthalate	22.692	149	2998832	64.47	ng		100
87) Indeno(1,2,3-cd)pyrene	28.533	276	3824922	63.64	ng	#	92
88) Benzo(b)fluoranthene	23.768	252	2922103	62.04	ng		99
89) Benzo(k)fluoranthene	23.845	252	3055252	62.95	ng		100
90) Benzo(a)pyrene	24.657	252	2881508	63.69	ng		100
91) Dibenzo(a,h)anthracene	28.603	278	3137905	64.20	ng		99
92) Benzo(g,h,i)perylene	29.692	276	3065416	63.07	ng		100

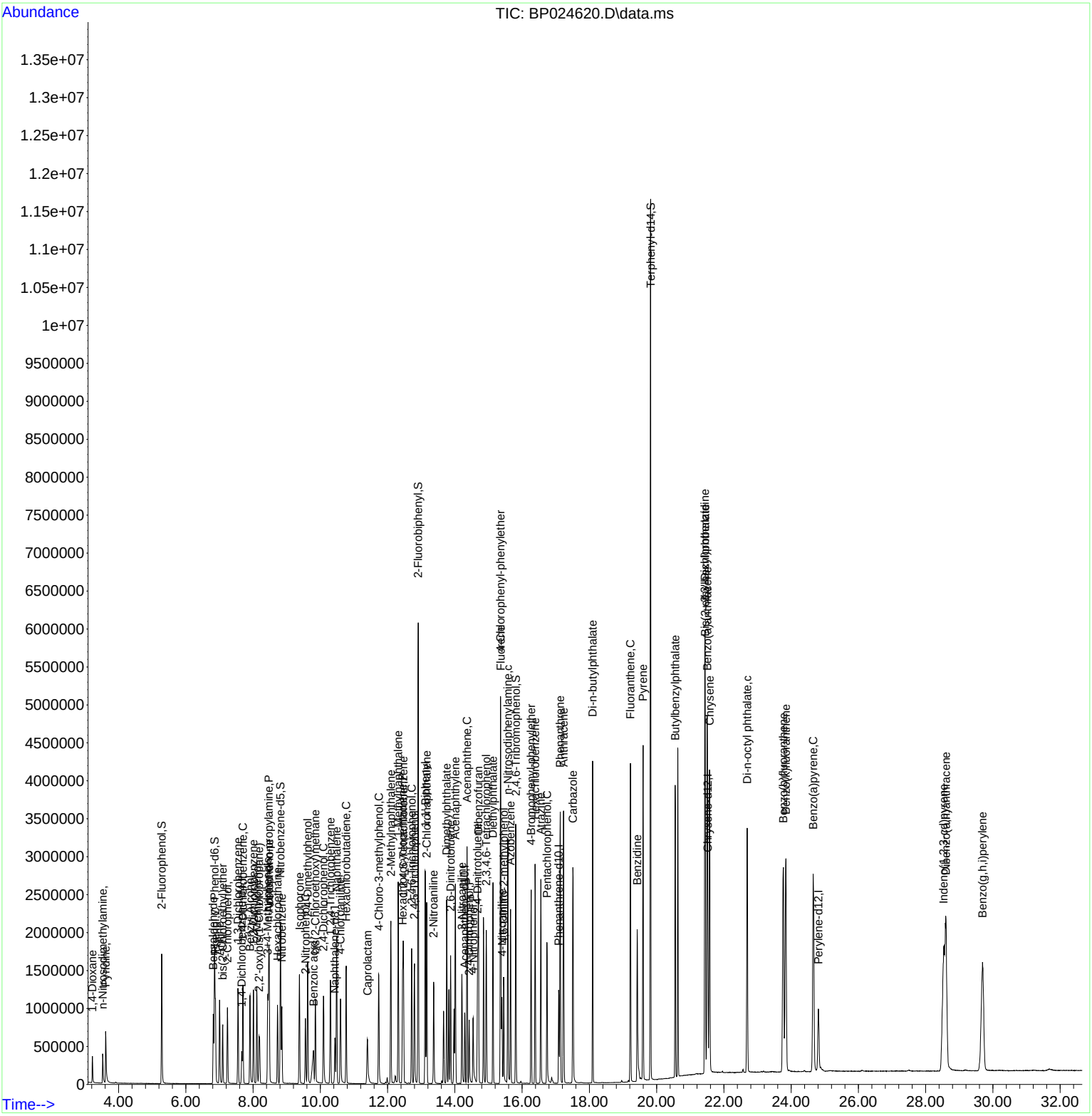
(#) = qualifier out of range (m) = manual integration (+) = signals summed

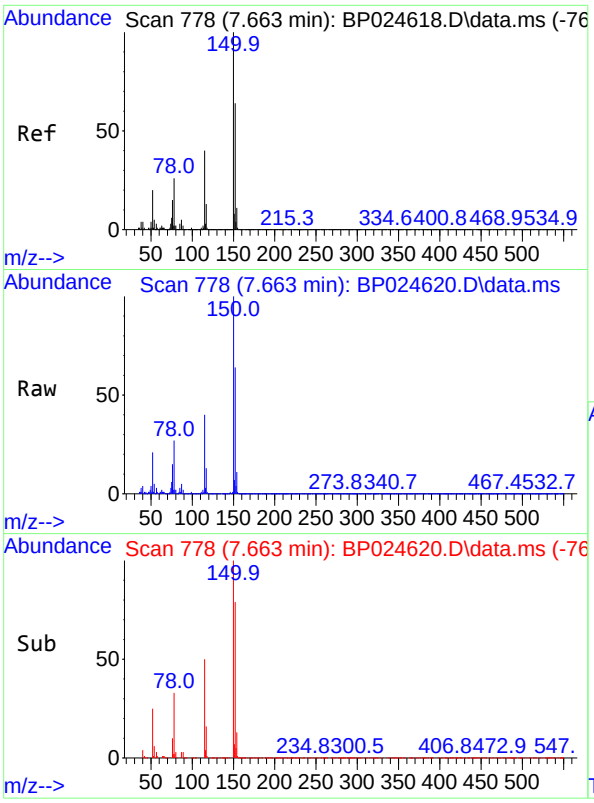
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



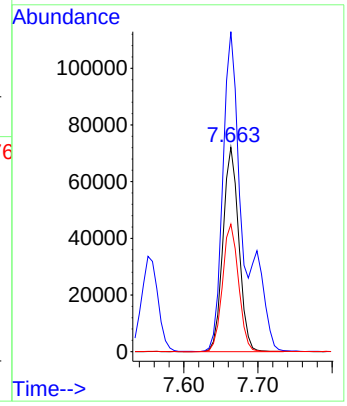


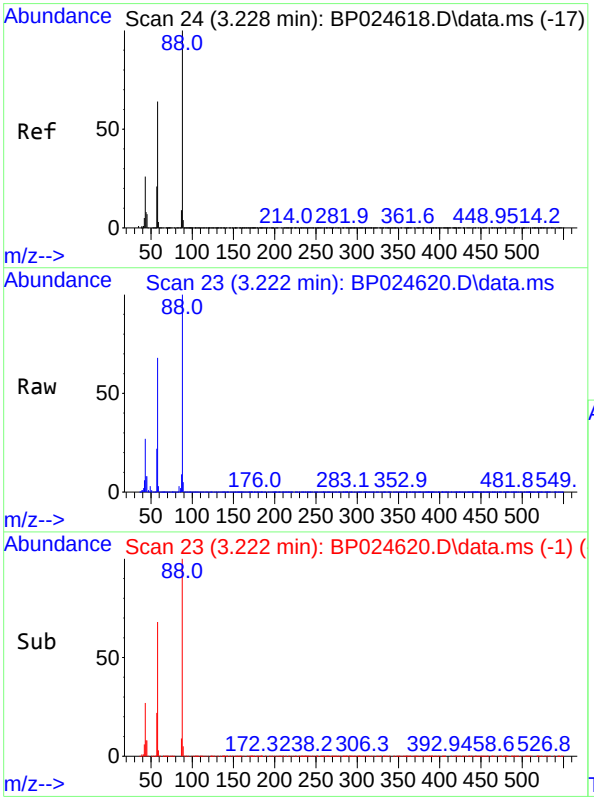
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 106955

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	62.4	50.1	75.1

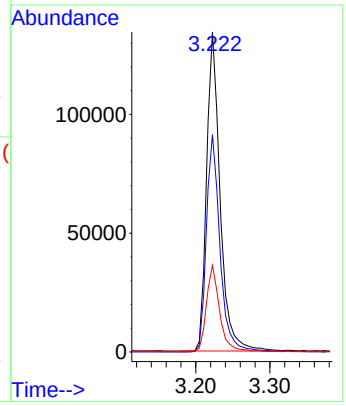


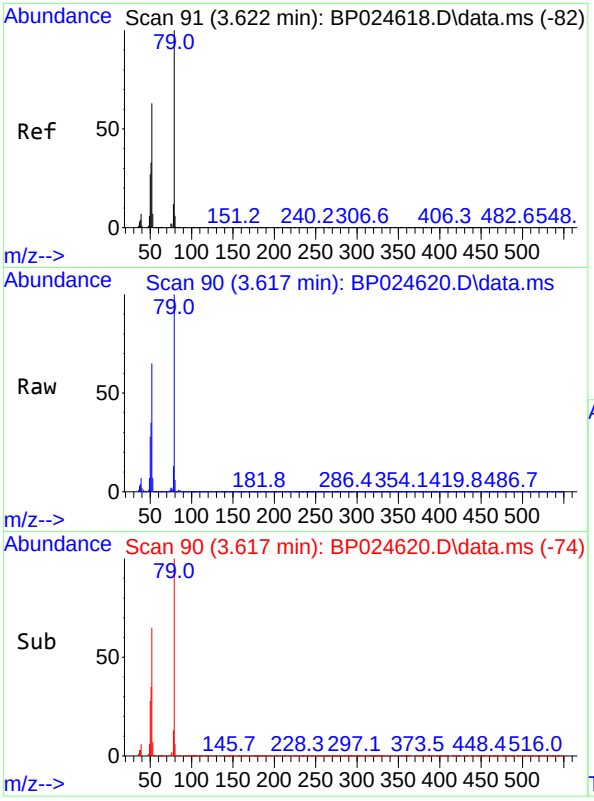


#2
1,4-Dioxane
Concen: 57.95 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 88 Resp: 170174

Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.0	81.0
43	26.5	21.4	32.0



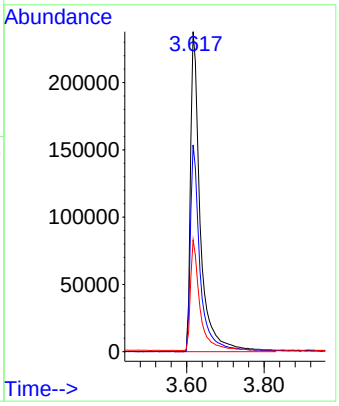


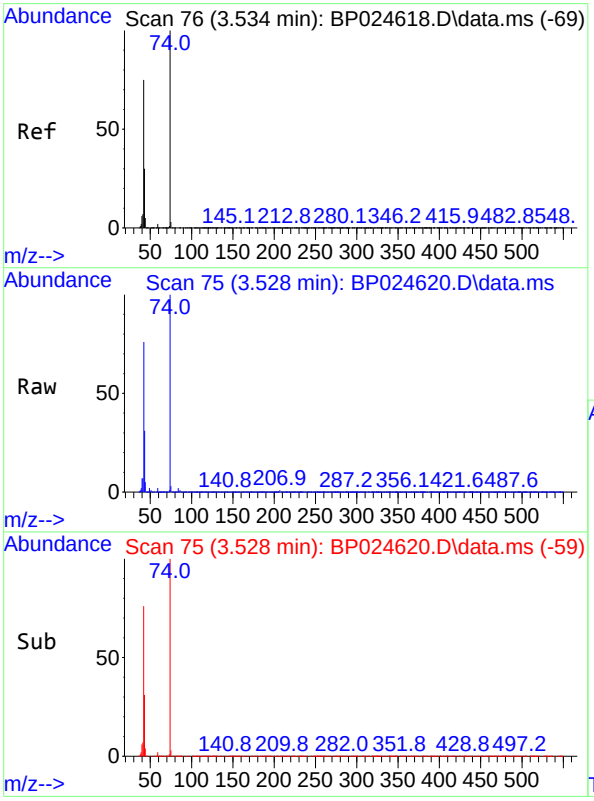
#3
Pyridine
Concen: 64.42 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 419426

Ion	Ratio	Lower	Upper
79	100		
52	64.6	50.2	75.2
51	34.9	26.8	40.2

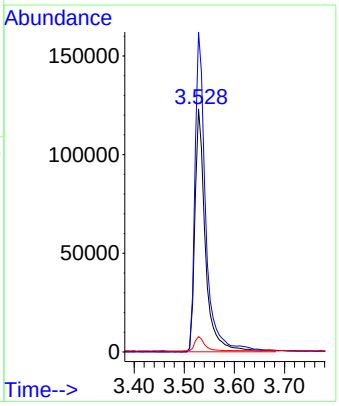


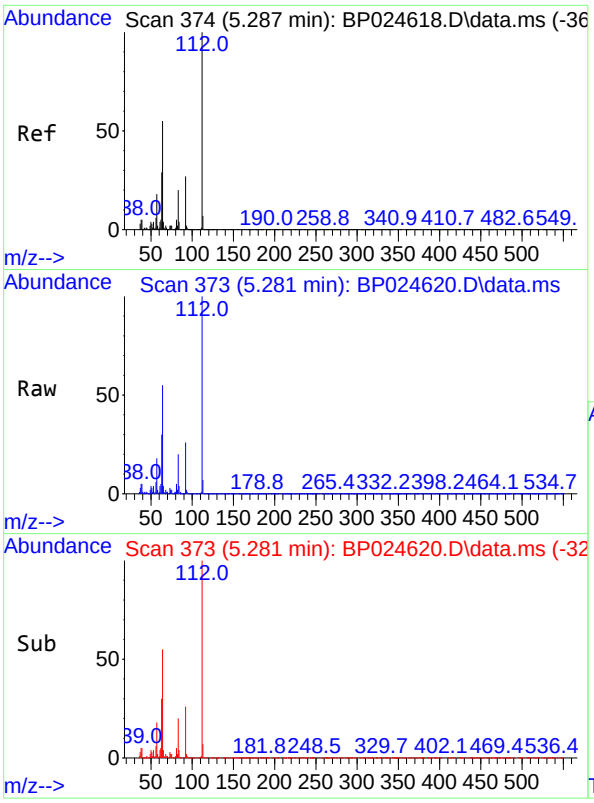


#4
n-Nitrosodimethylamine
Concen: 62.22 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 42 Resp: 178836

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.2	159.2
44	6.3	5.4	8.2



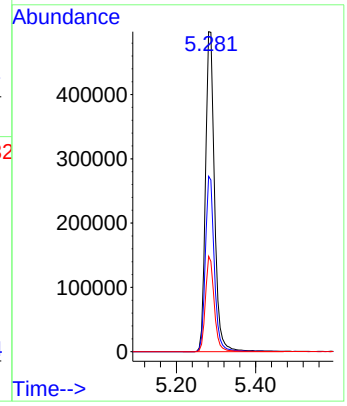


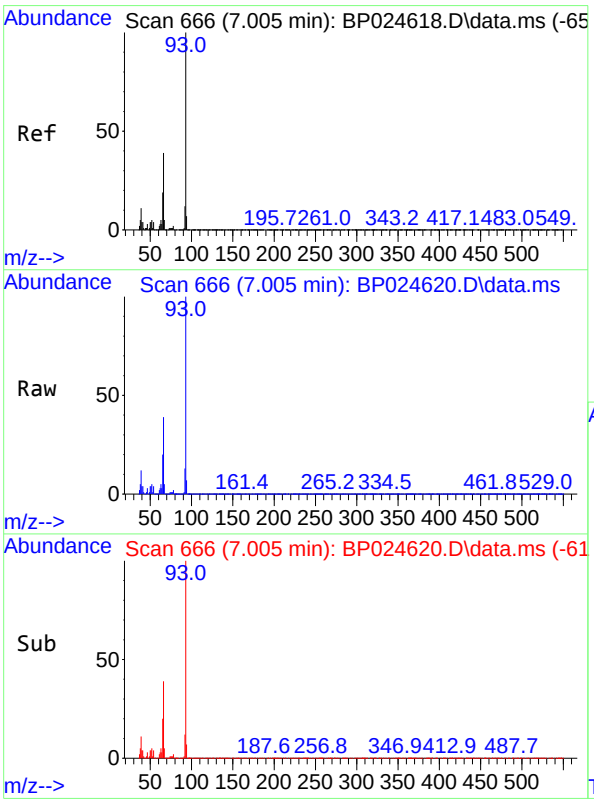
#5
2-Fluorophenol
Concen: 125.47 ng
RT: 5.281 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 784577

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.8	23.5	35.3

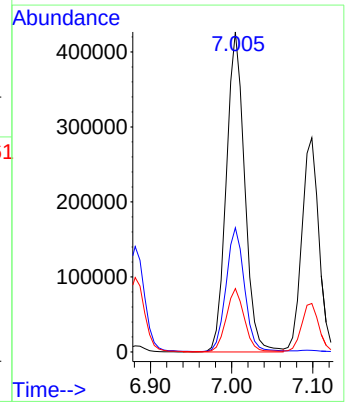


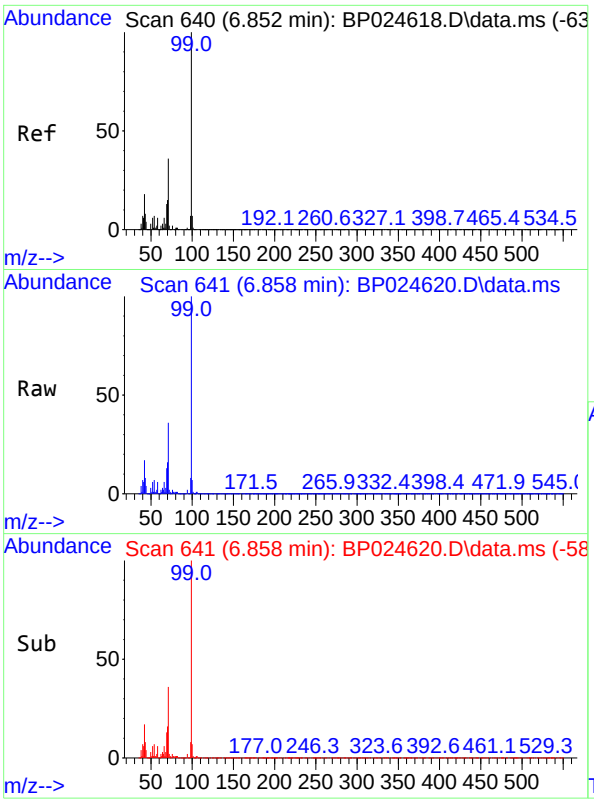


#6
Aniline
Concen: 65.10 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 670773

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.8	15.5	23.3



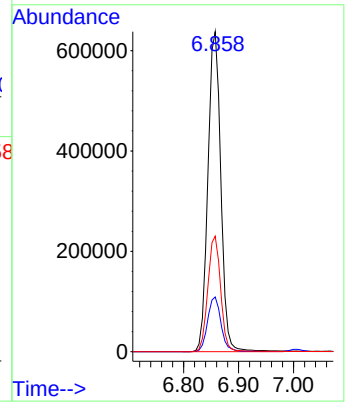


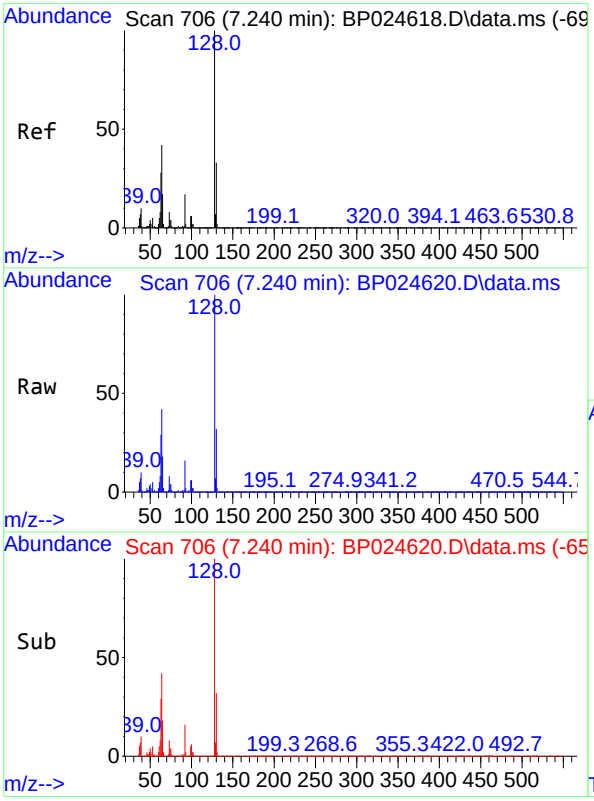
#7
Phenol-d6
Concen: 130.26 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1039562

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.4	21.6
71	36.1	29.2	43.8

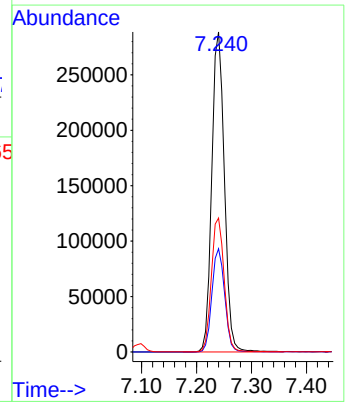


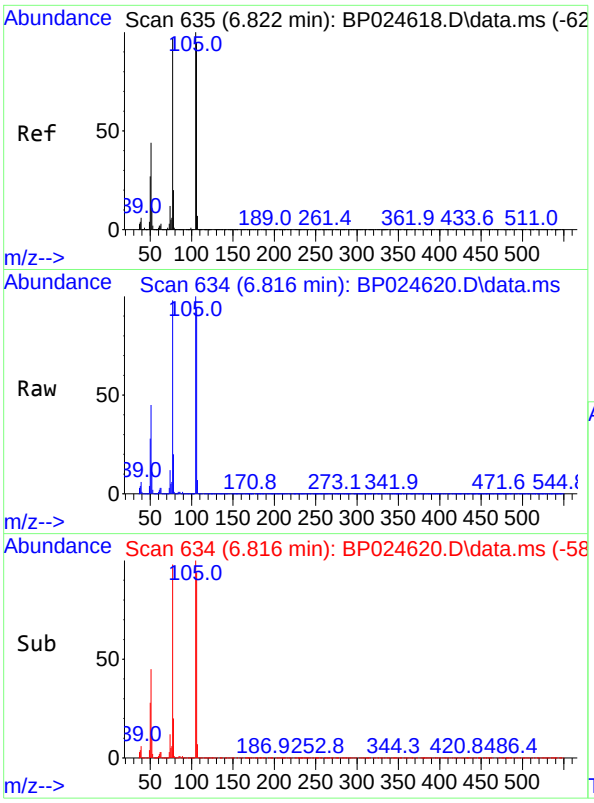


#8
2-Chlorophenol
Concen: 64.79 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:128 Resp: 459952

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.0	53.0
64	41.9	22.3	62.3



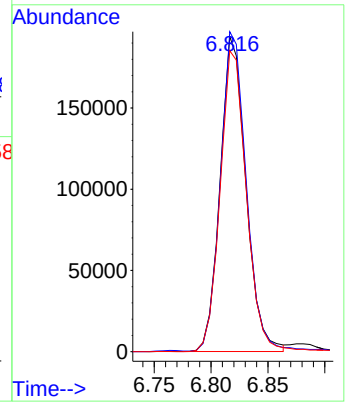


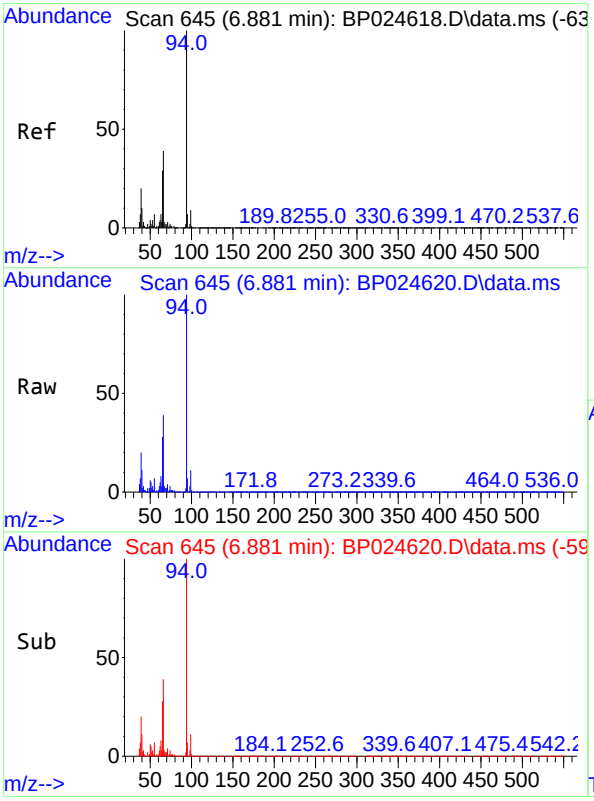
#9
Benzaldehyde
Concen: 59.33 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 305987

Ion	Ratio	Lower	Upper
77	100		
105	101.6	83.3	123.3
106	95.5	78.0	118.0

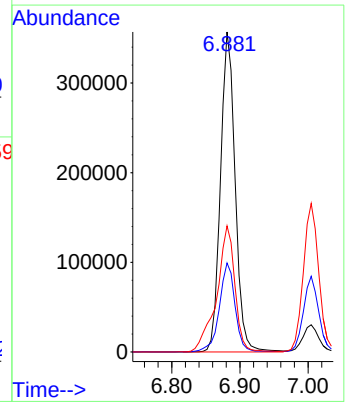


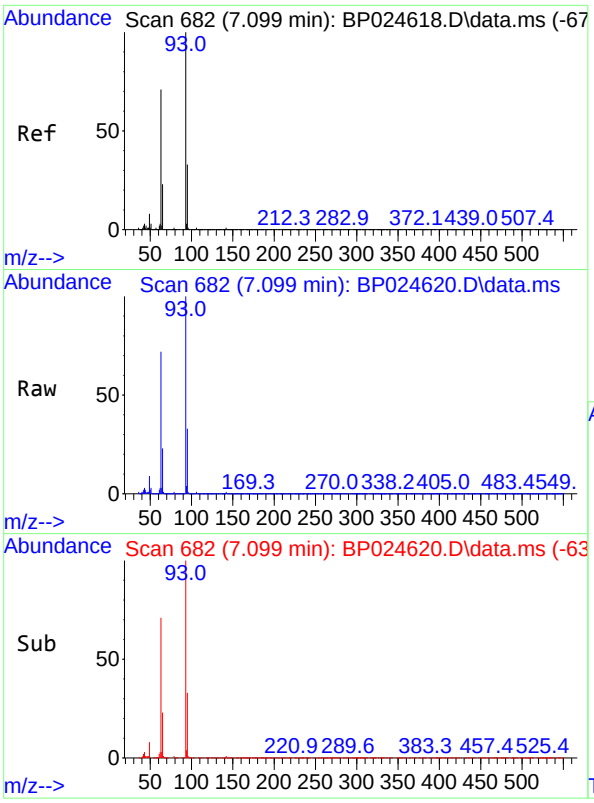


#10
Phenol
Concen: 65.04 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 94 Resp: 535743

Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.7	48.7
66	39.4	19.4	59.4



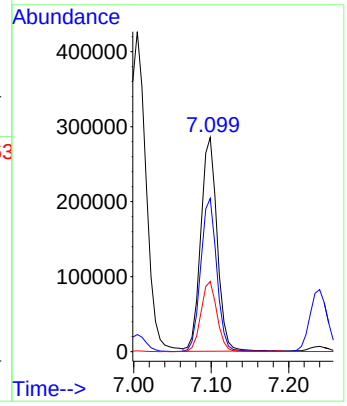


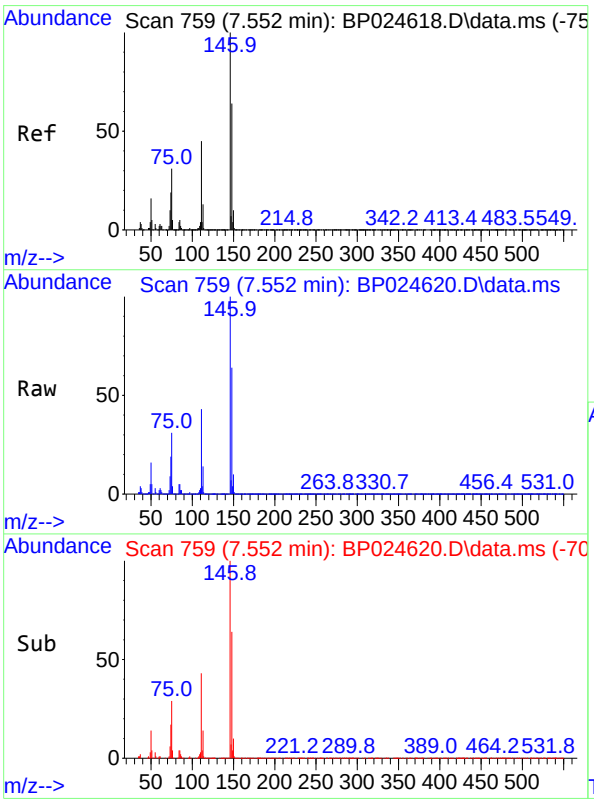
#11
bis(2-Chloroethyl)ether
Concen: 61.60 ng
RT: 7.099 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 416957

Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.6	90.6
95	32.8	12.9	52.9

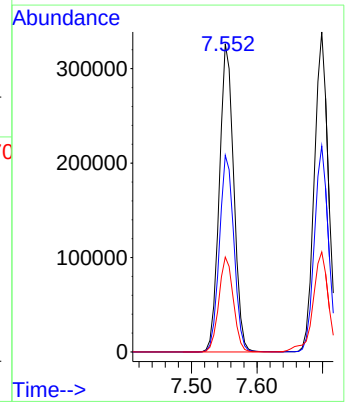


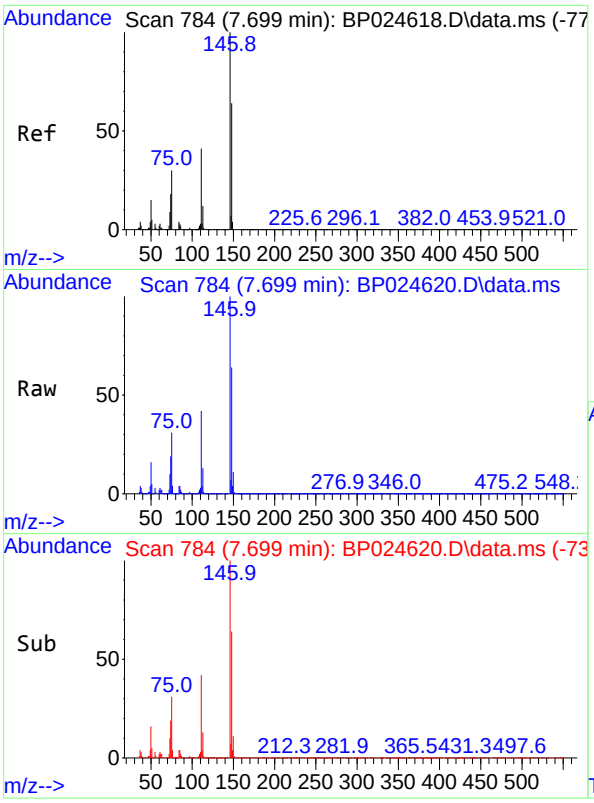


#12
1,3-Dichlorobenzene
Concen: 60.75 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 496139

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
75	30.8	25.2	37.8



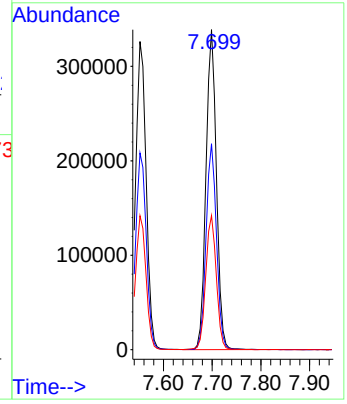


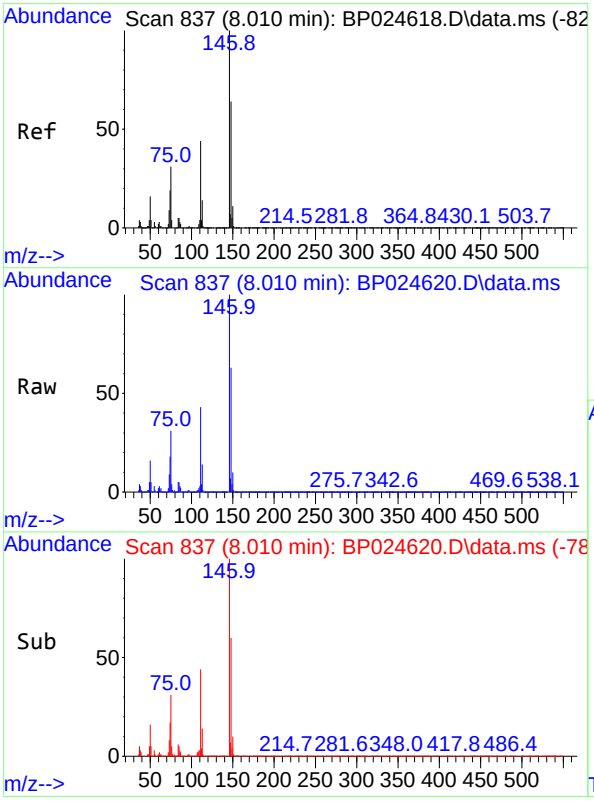
#13
1,4-Dichlorobenzene
Concen: 61.20 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 502743

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	41.9	33.0	49.6

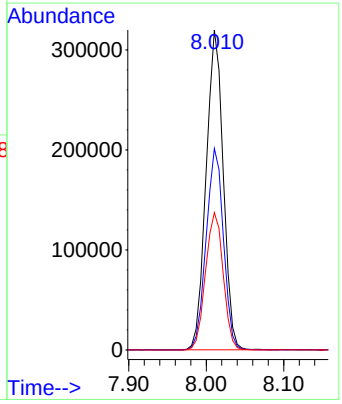


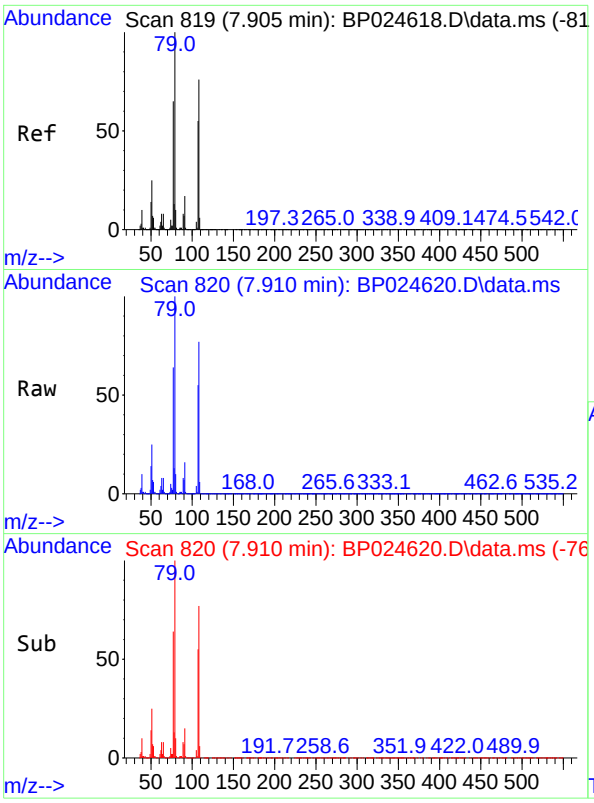


#14
1,2-Dichlorobenzene
Concen: 61.27 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 490458

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
111	42.9	35.2	52.8



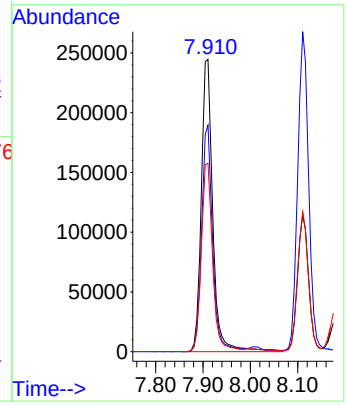


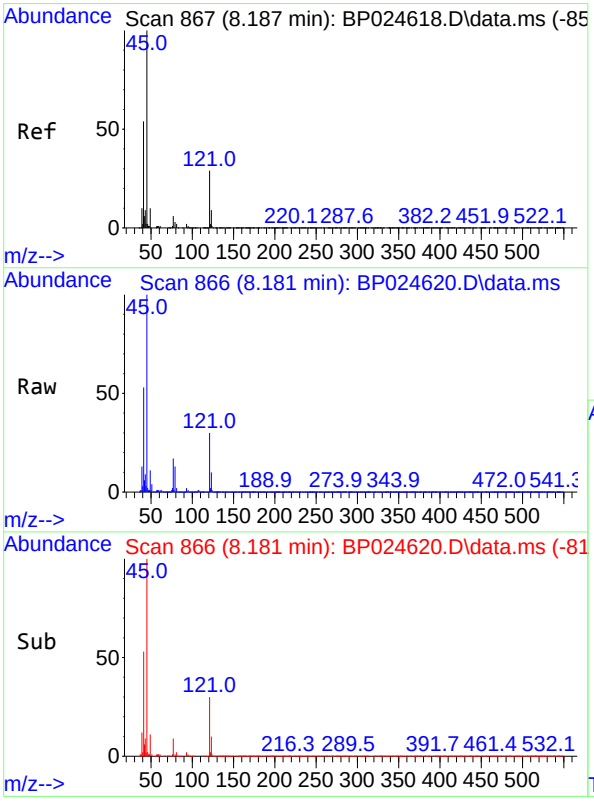
#15
Benzyl Alcohol
Concen: 68.12 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 413146

Ion	Ratio	Lower	Upper
79	100		
108	77.5	60.8	91.2
77	64.4	51.9	77.9

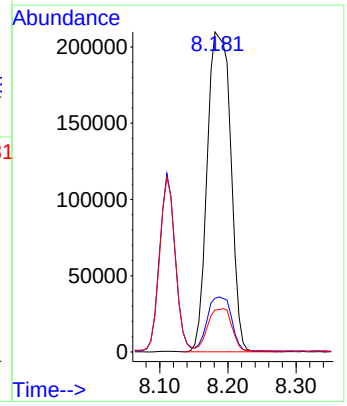


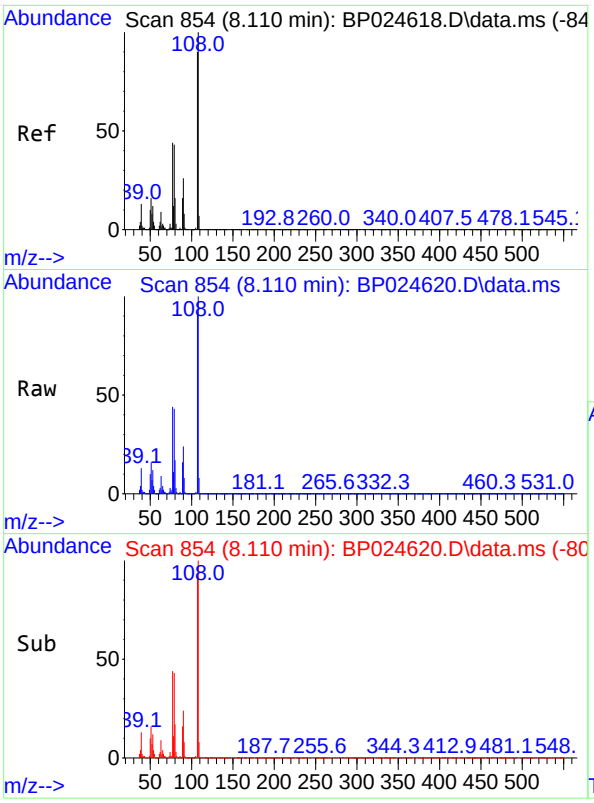


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.93 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 45 Resp: 501972

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	37.7
79	13.1	0.0	34.0



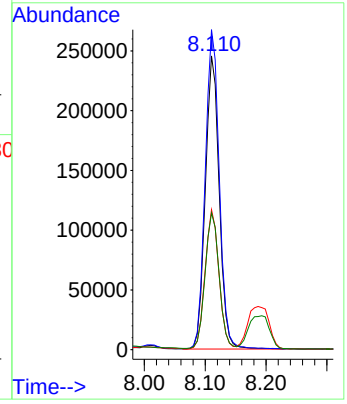


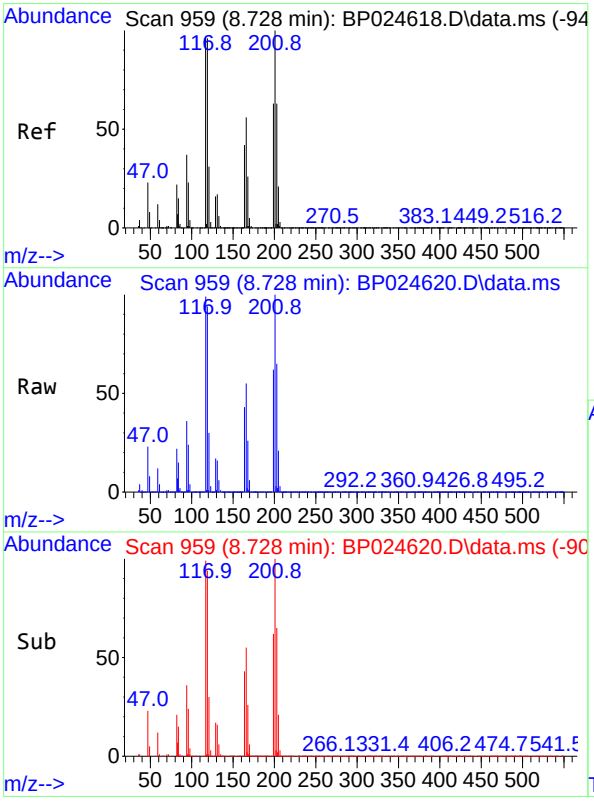
#17
2-Methylphenol
Concen: 65.89 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 389272

Ion	Ratio	Lower	Upper
107	100		
108	109.0	88.9	133.3
77	47.6	39.0	58.6
79	46.6	38.4	57.6

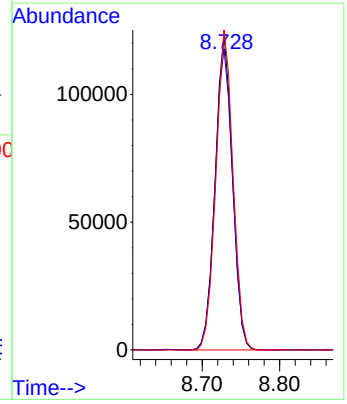


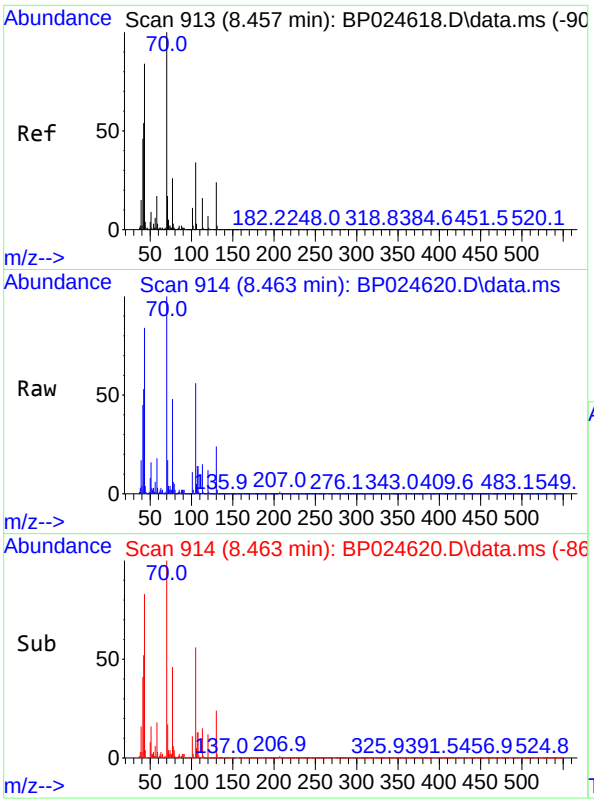


#18
Hexachloroethane
Concen: 60.85 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:117 Resp: 191530

Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.4	119.0
201	101.2	82.7	124.1



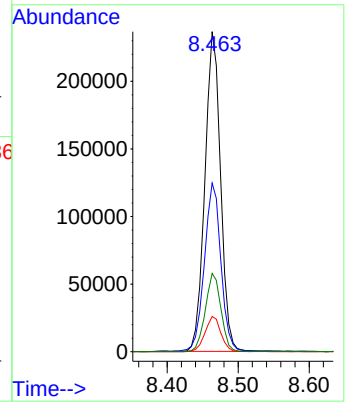


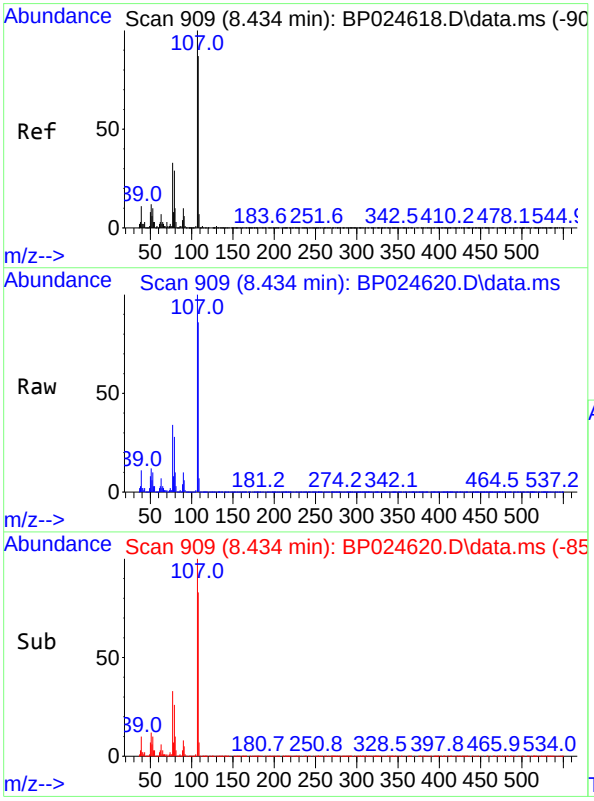
#19
n-Nitroso-di-n-propylamine
Concen: 65.76 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 363059

Ion	Ratio	Lower	Upper
70	100		
42	52.7	43.0	64.6
101	11.0	8.7	13.1
130	24.4	19.4	29.0

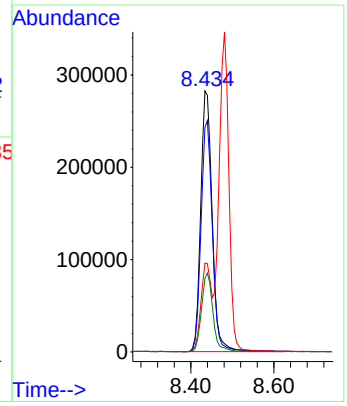


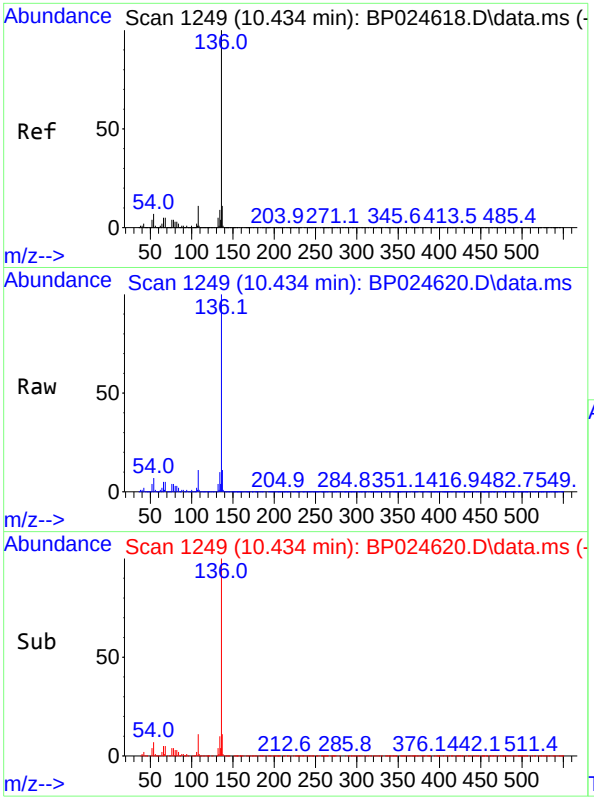


#20
3+4-Methylphenols
Concen: 67.57 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 543003

Ion	Ratio	Lower	Upper
107	100		
108	86.0	66.7	106.7
77	34.0	13.1	53.1
79	28.2	8.9	48.9



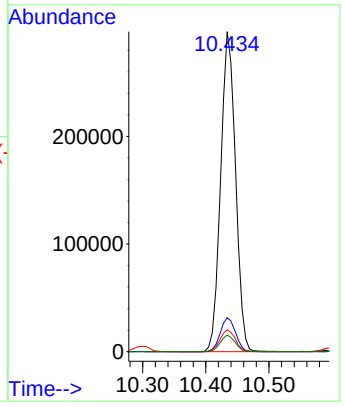


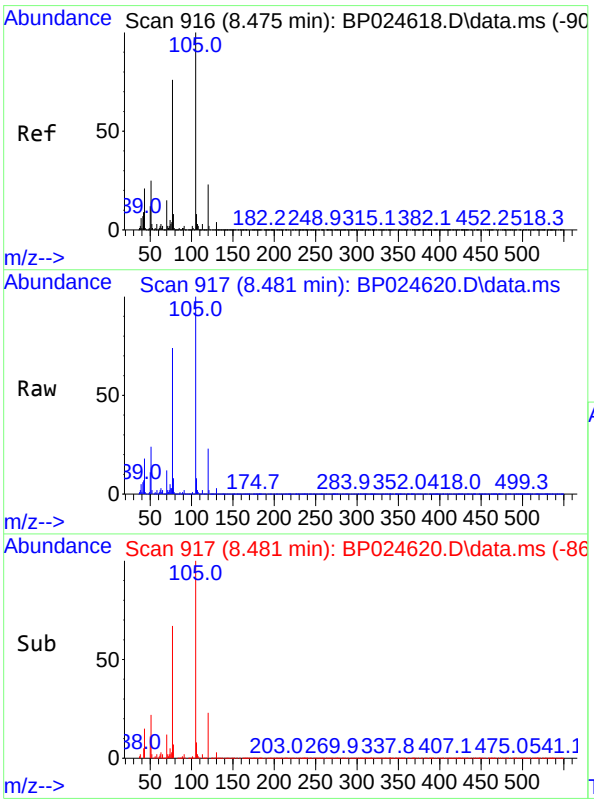
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 484921

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	5.2	4.2	6.2

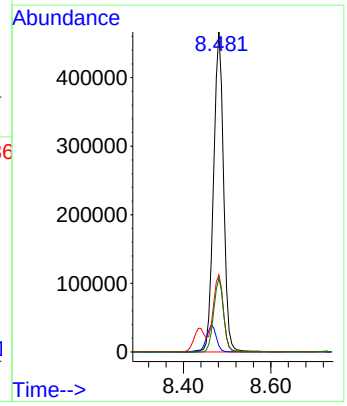


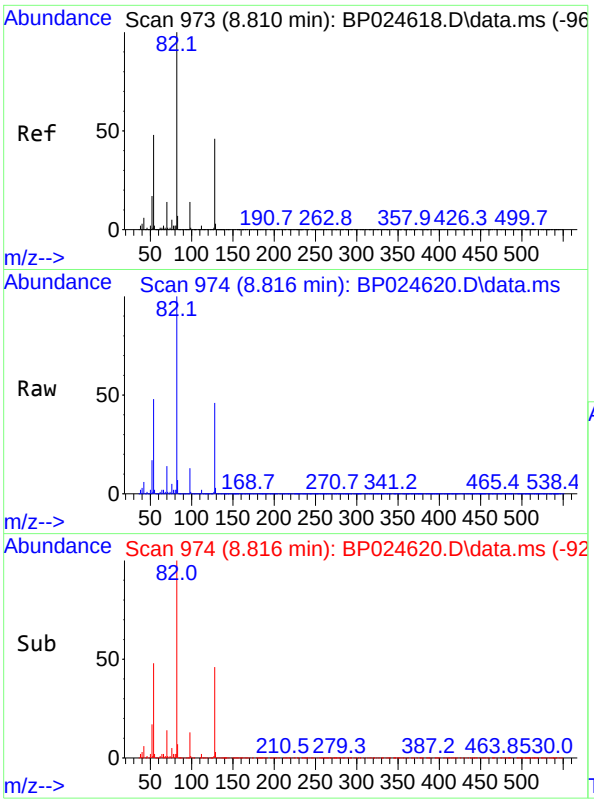


#22
Acetophenone
Concen: 61.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:105 Resp: 744359

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	24.1	20.4	30.6
120	23.0	18.1	27.1



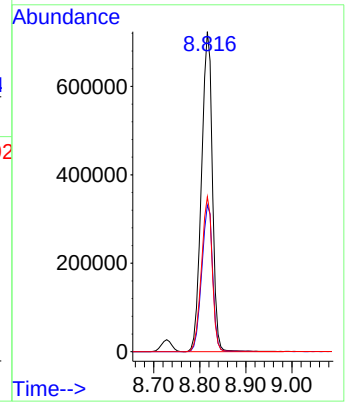


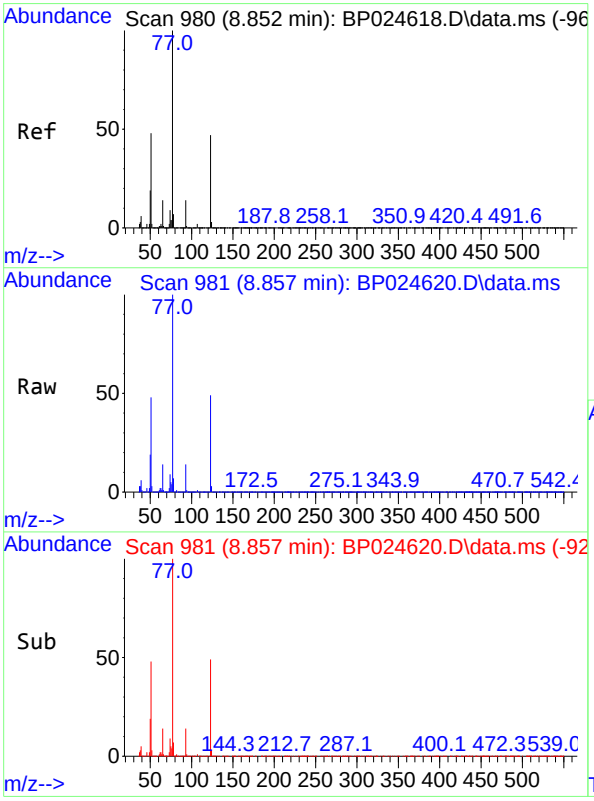
#23
Nitrobenzene-d5
Concen: 123.80 ng
RT: 8.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1188192

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.4
54	48.4	38.7	58.1

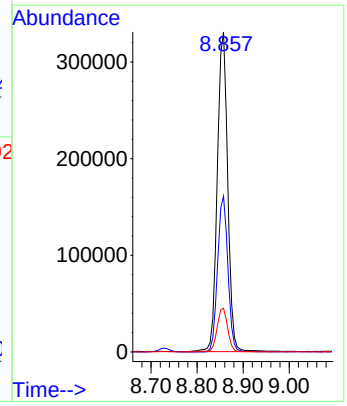


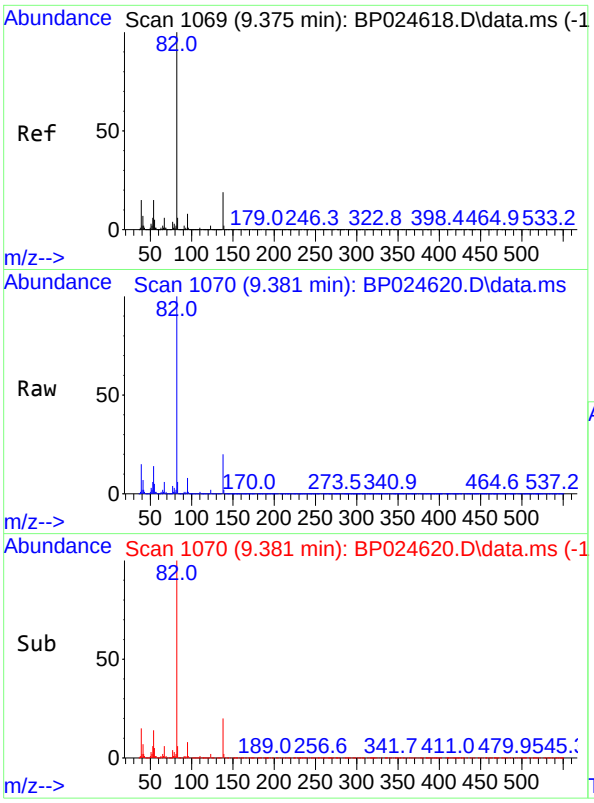


#24
Nitrobenzene
Concen: 61.34 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 77 Resp: 518098

Ion	Ratio	Lower	Upper
77	100		
123	48.7	37.4	56.0
65	13.7	11.3	16.9



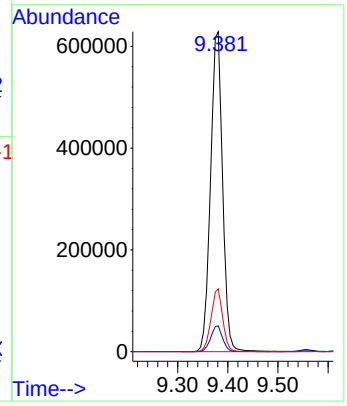


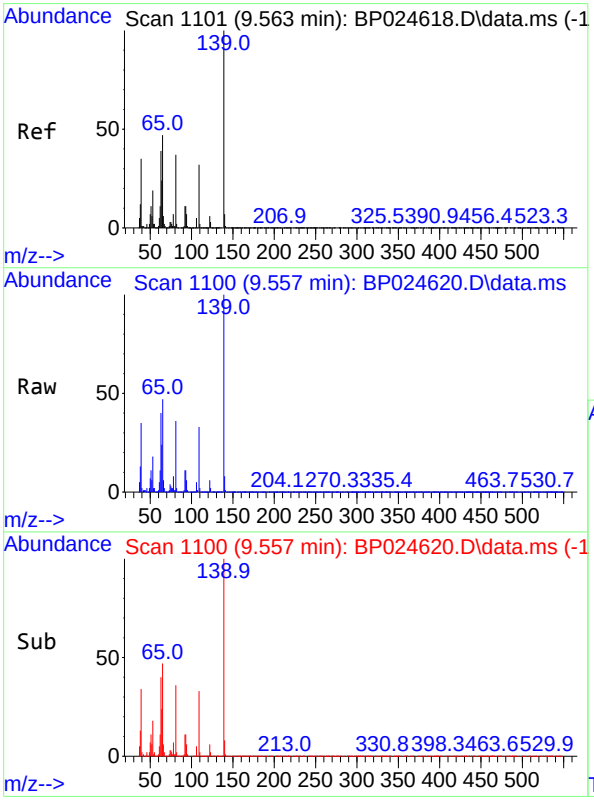
#25
Isophorone
Concen: 62.98 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1048461

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.3	9.5
138	19.7	15.3	22.9

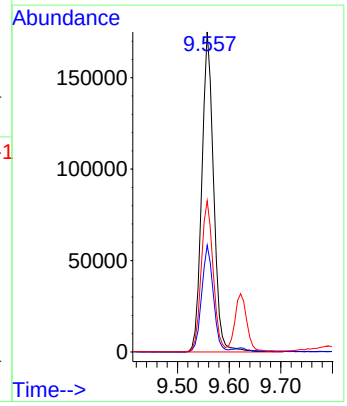


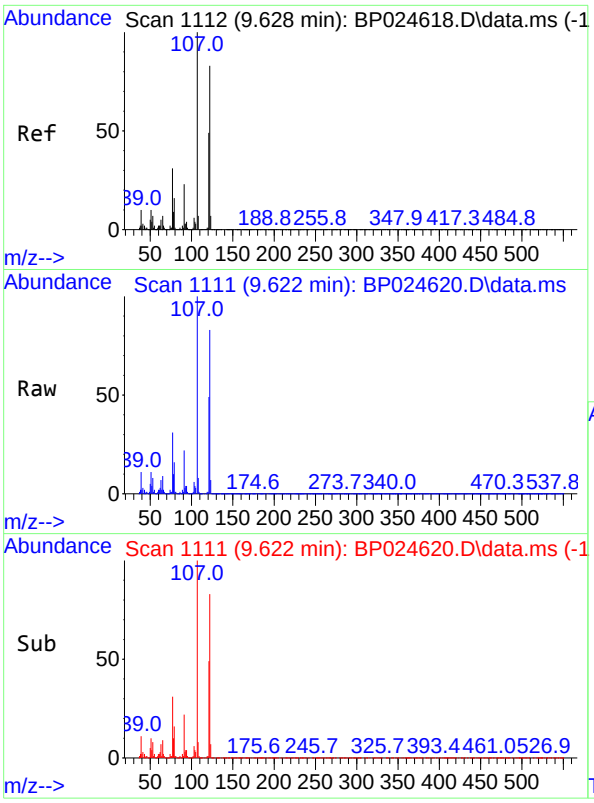


#26
2-Nitrophenol
Concen: 67.36 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 278764

Ion	Ratio	Lower	Upper
139	100		
109	33.4	25.9	38.9
65	47.3	37.9	56.9



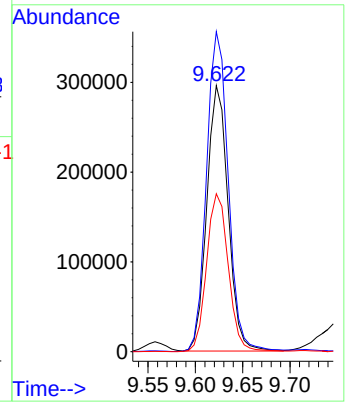


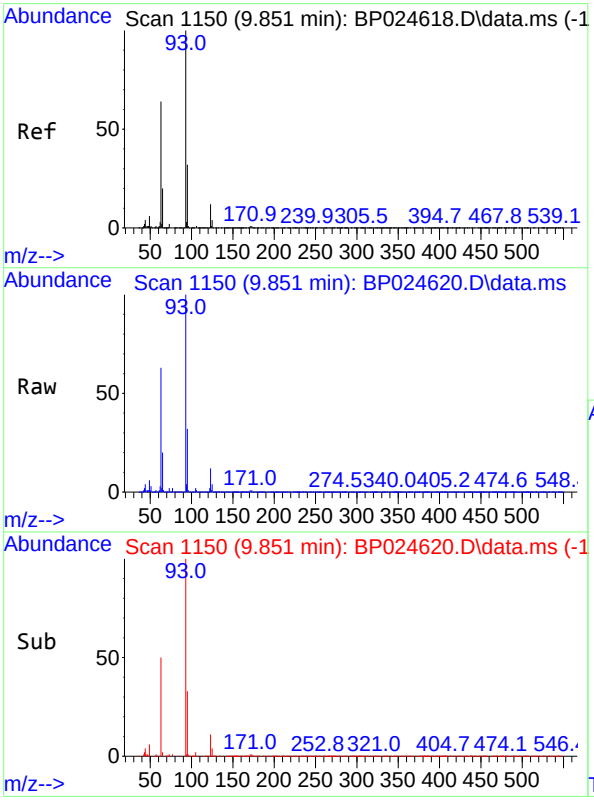
#27
2,4-Dimethylphenol
Concen: 63.34 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 462148

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.2
121	59.3	47.6	71.4

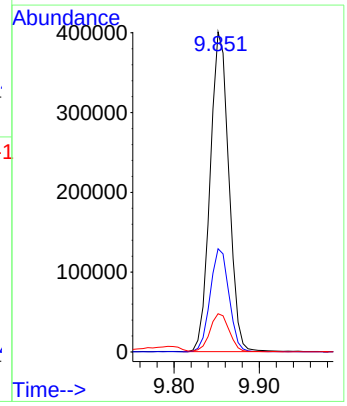


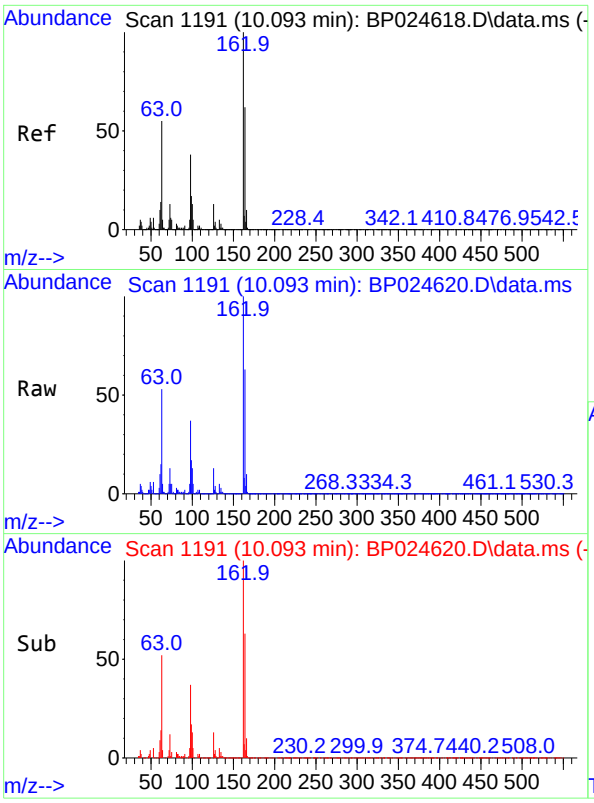


#28
bis(2-Chloroethoxy)methane
Concen: 61.35 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 610221

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.5	38.3
123	11.9	9.7	14.5



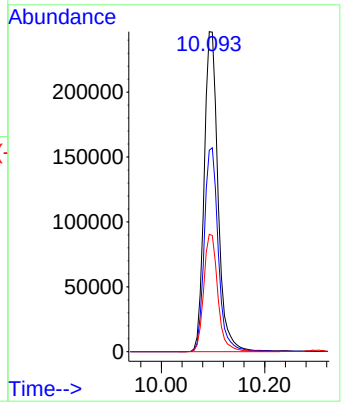


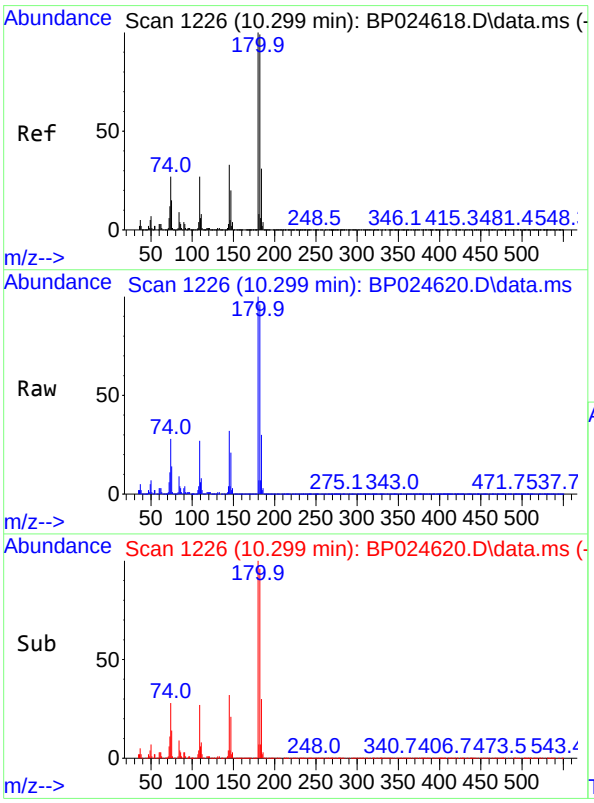
#29
2,4-Dichlorophenol
Concen: 65.03 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 459806

Ion	Ratio	Lower	Upper
162	100		
164	62.9	42.3	82.3
98	36.7	18.4	58.4

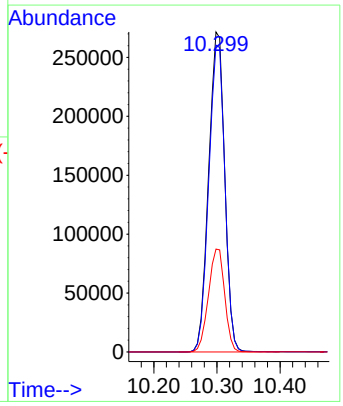


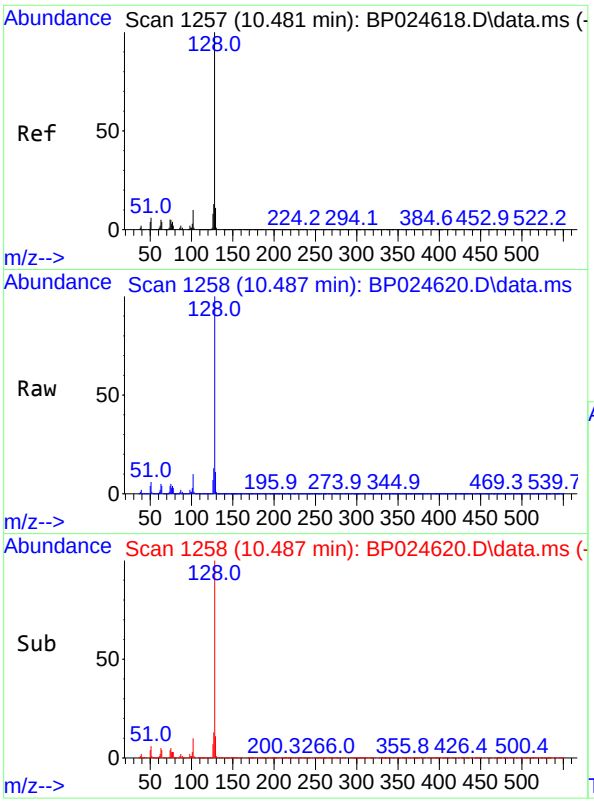


#30
1,2,4-Trichlorobenzene
Concen: 60.05 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:180 Resp: 478505

Ion	Ratio	Lower	Upper
180	100		
182	95.9	79.0	118.4
145	32.2	26.6	39.8



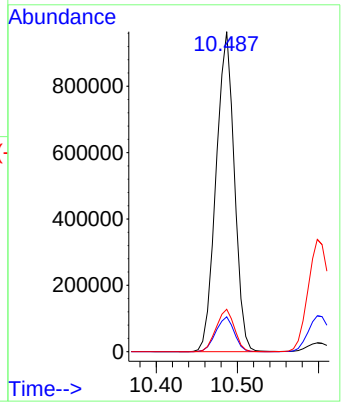


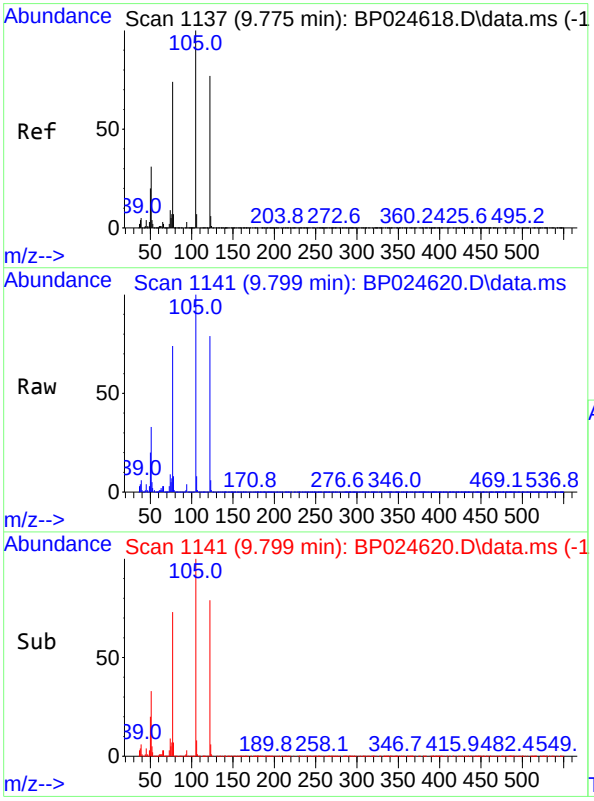
#31
Naphthalene
Concen: 60.03 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1508460

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.7	16.1

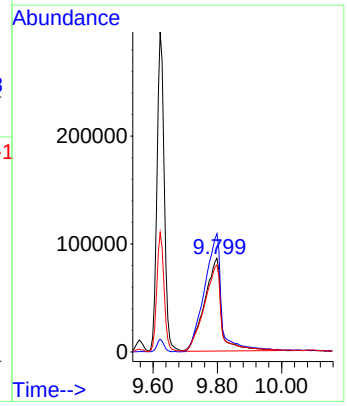


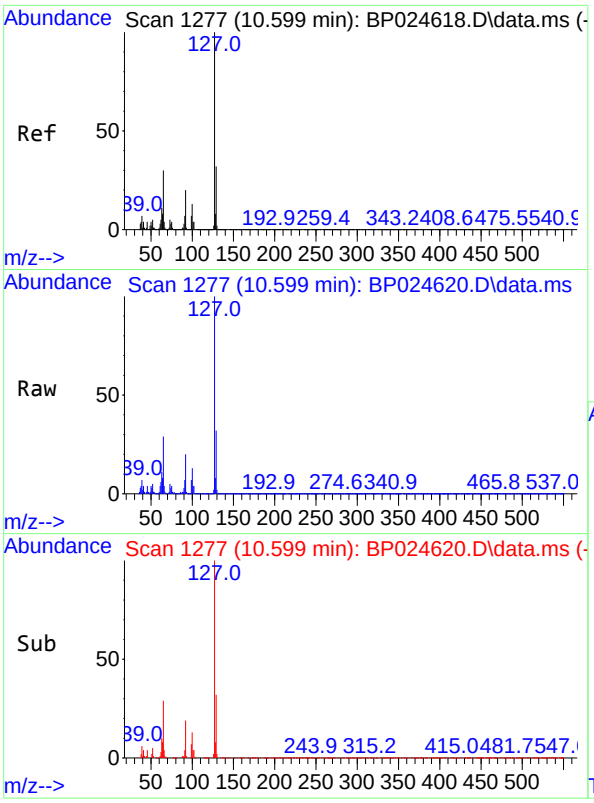


#32
Benzoic acid
Concen: 60.53 ng
RT: 9.799 min Scan# 1141
Delta R.T. 0.024 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:122 Resp: 319375

Ion	Ratio	Lower	Upper
122	100		
105	126.3	106.9	146.9
77	93.0	75.1	115.1



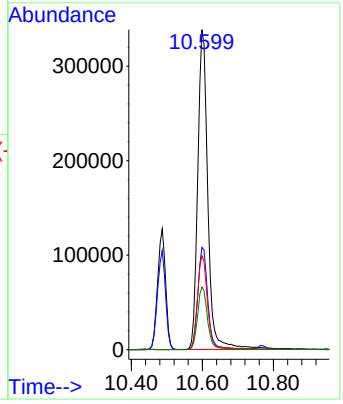


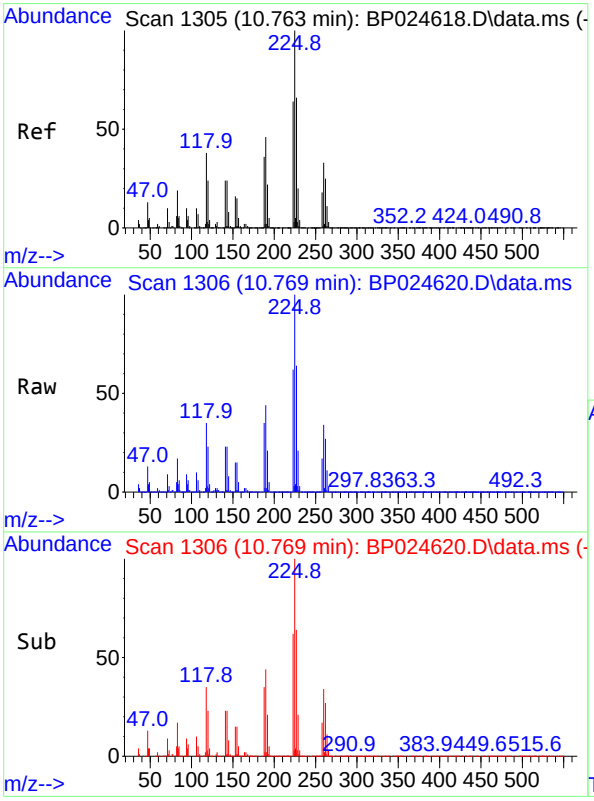
#33
4-Chloroaniline
Concen: 66.26 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 671888

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	29.4	23.9	35.9
92	19.6	16.1	24.1

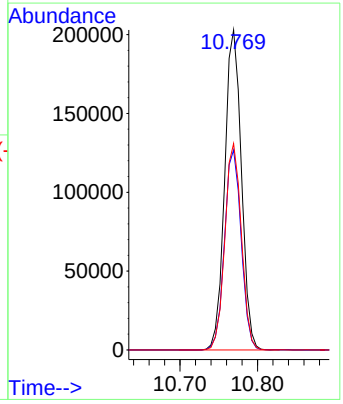


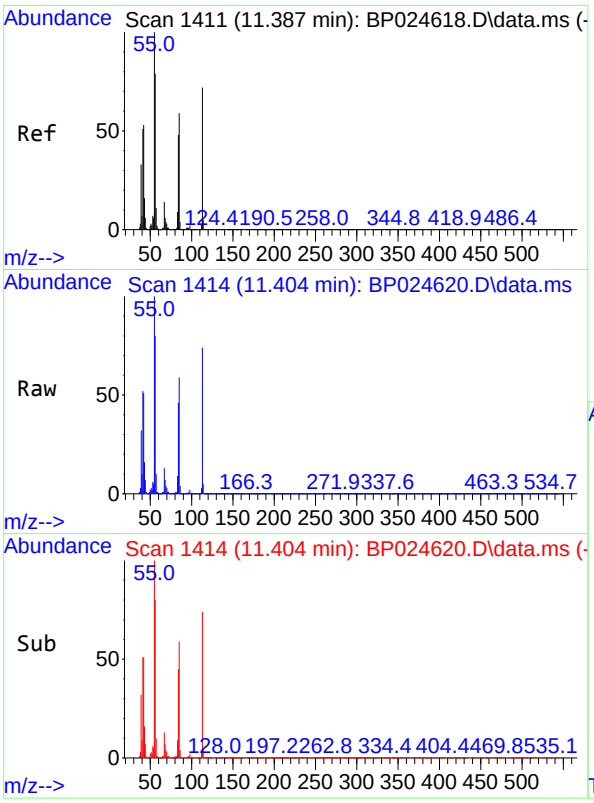


#34
Hexachlorobutadiene
Concen: 58.79 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:225 Resp: 303458

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.5	53.1	79.7



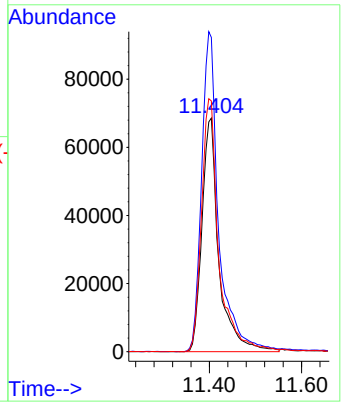


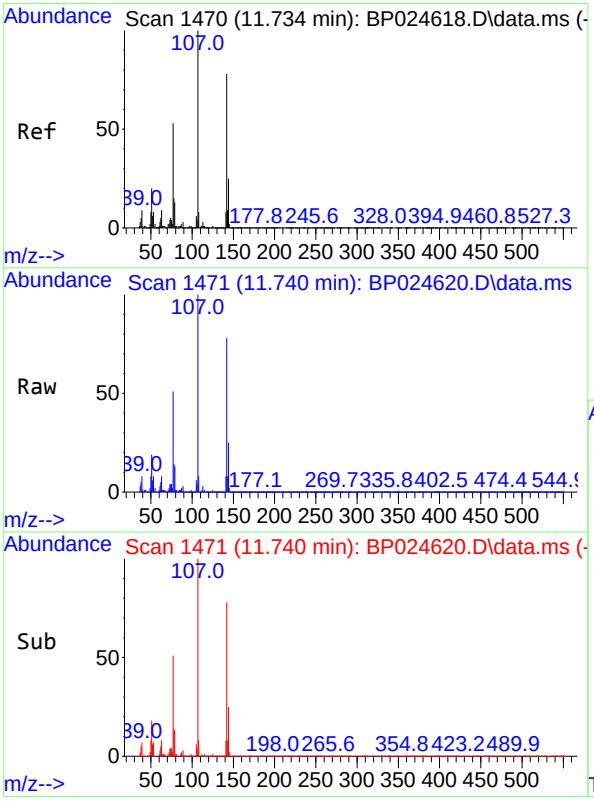
#35
Caprolactam
Concen: 68.70 ng
RT: 11.404 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 175653

Ion	Ratio	Lower	Upper
113	100		
55	134.5	119.0	159.0
56	107.3	90.3	130.3

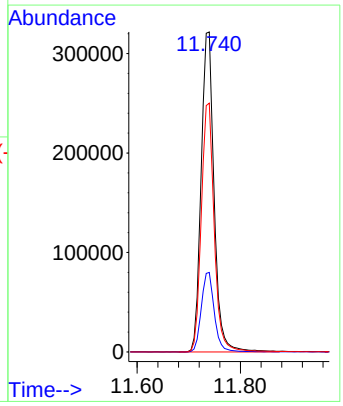


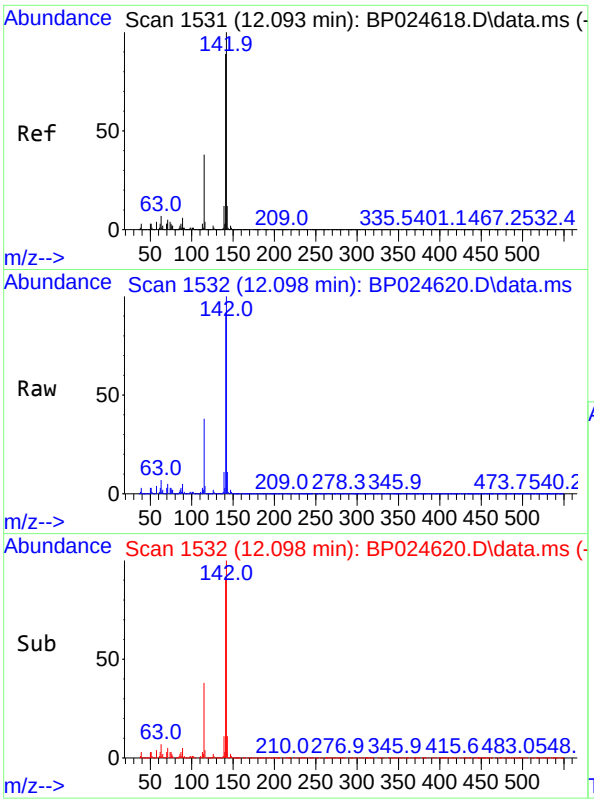


#36
4-Chloro-3-methylphenol
Concen: 64.84 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 559138

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.1	30.1
142	77.8	62.1	93.1



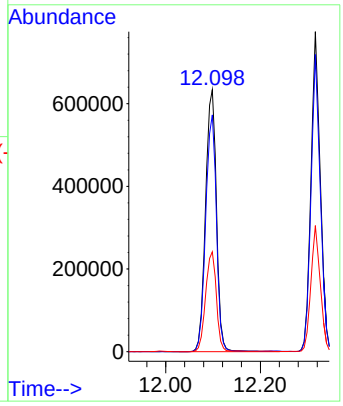


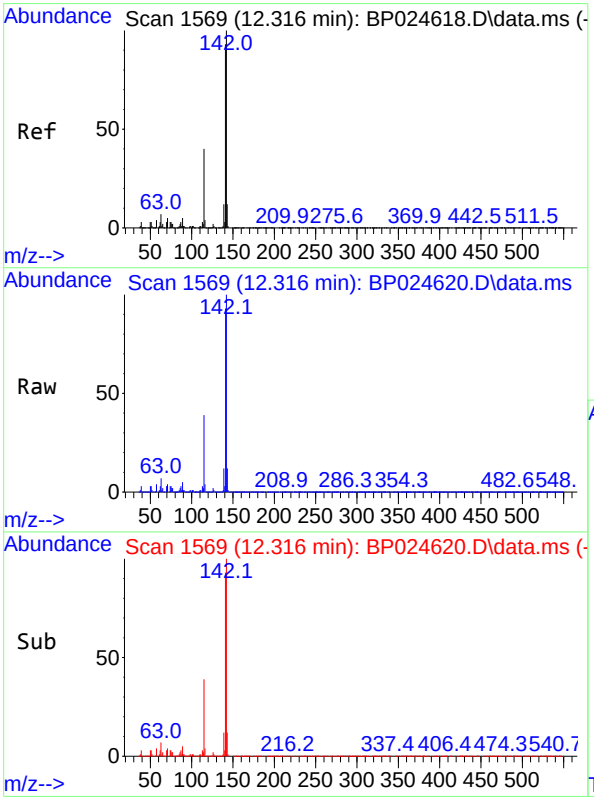
#37
2-Methylnaphthalene
Concen: 61.96 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1008171

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.2	106.8
115	38.1	30.6	46.0

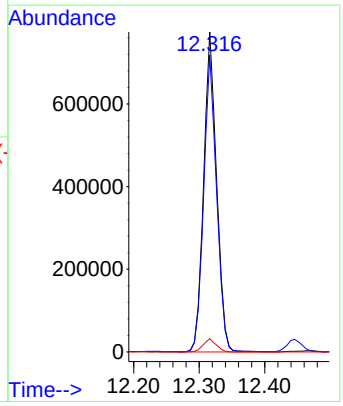


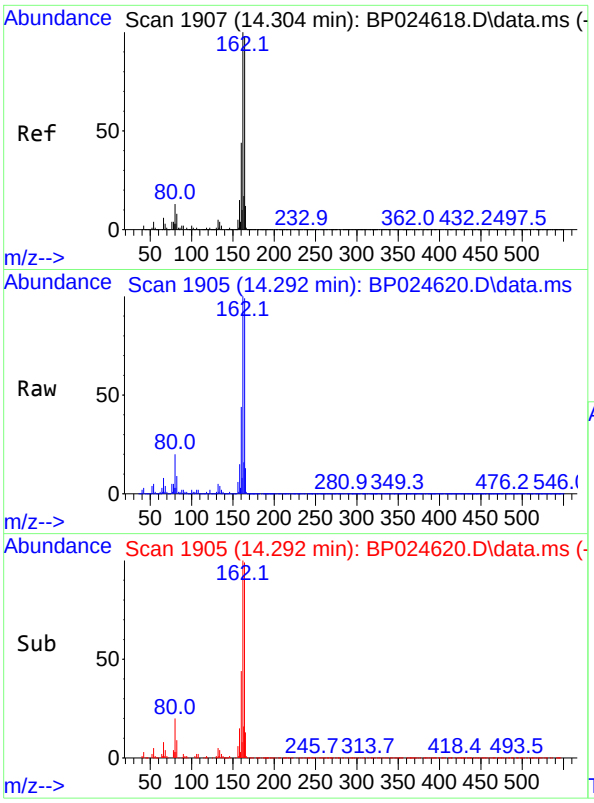


#38
1-Methylnaphthalene
Concen: 61.25 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:142 Resp: 1066290

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.7	112.1
116	4.2	3.4	5.2



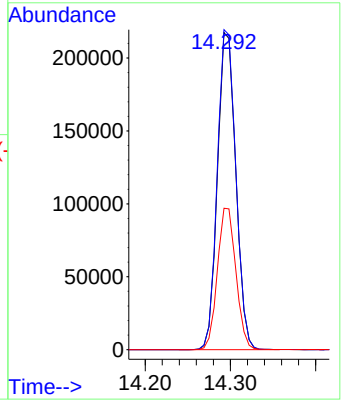


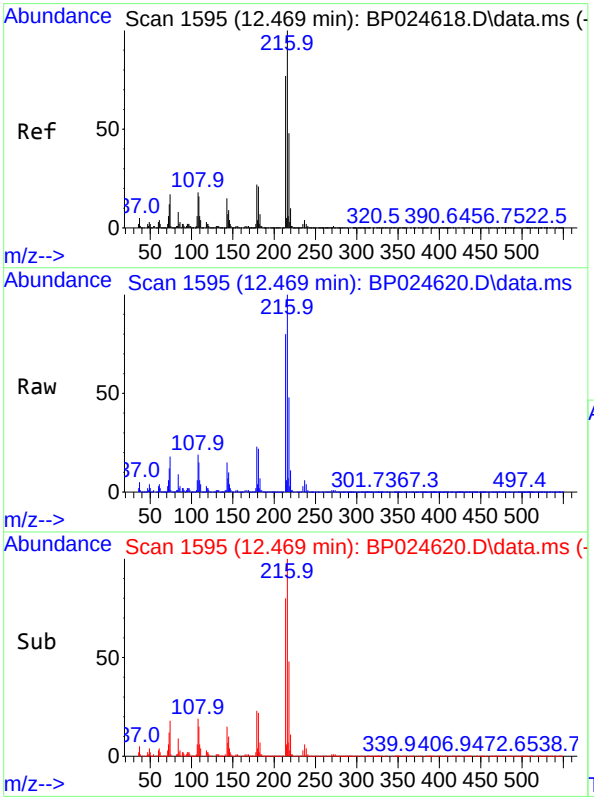
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 325327

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.6	36.3	54.5

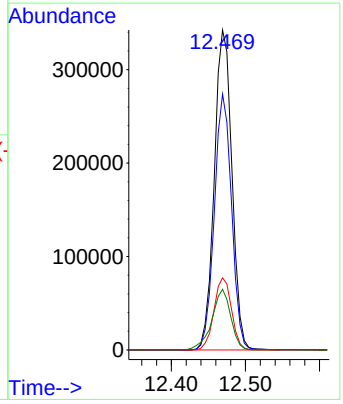


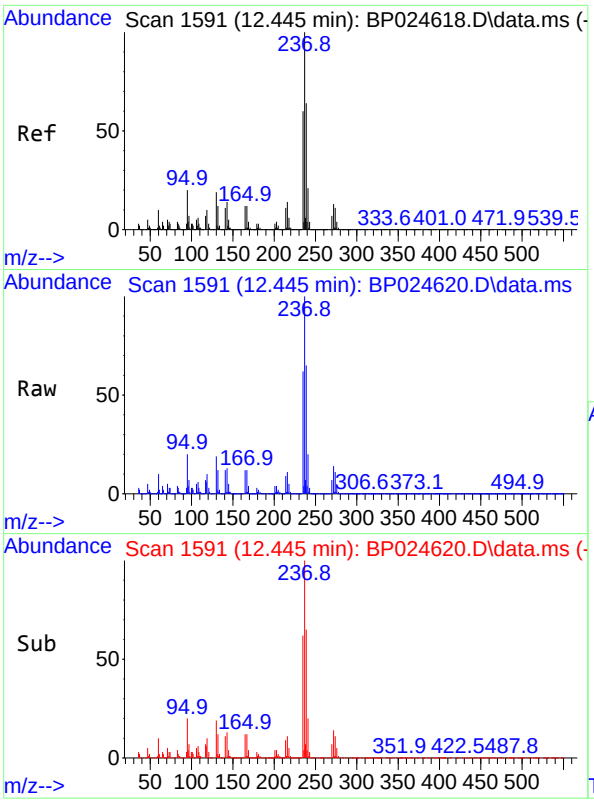


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.97 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:216 Resp: 566530

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	22.4	17.7	26.5
108	20.3	16.0	24.0



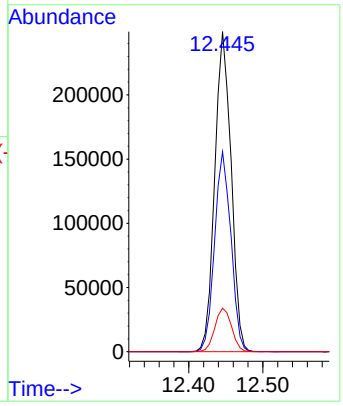


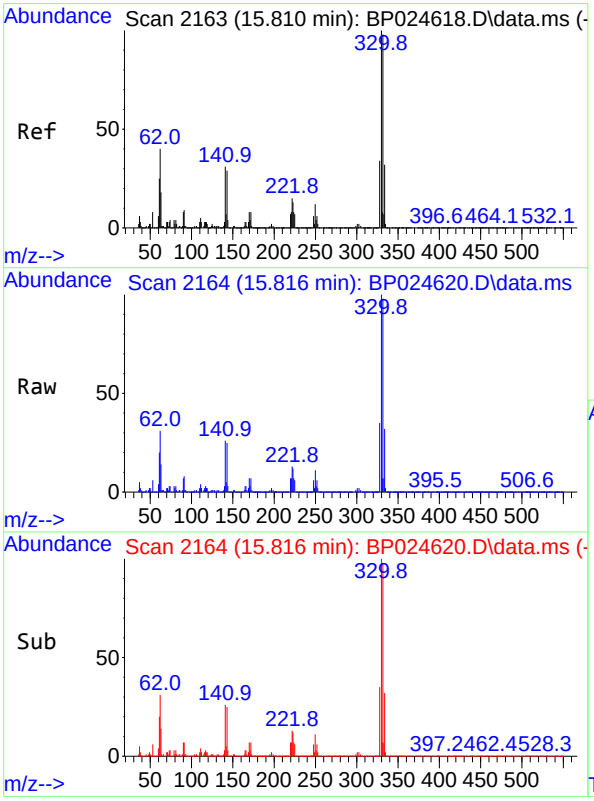
#41
Hexachlorocyclopentadiene
Concen: 66.62 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 381621

Ion	Ratio	Lower	Upper
237	100		
235	62.4	39.9	79.9
272	13.6	0.0	33.2

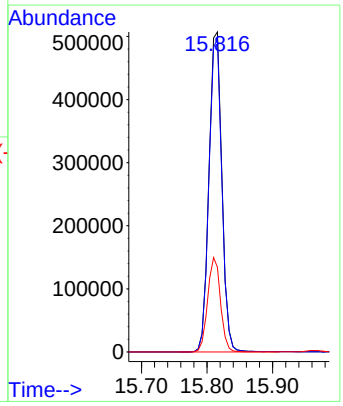


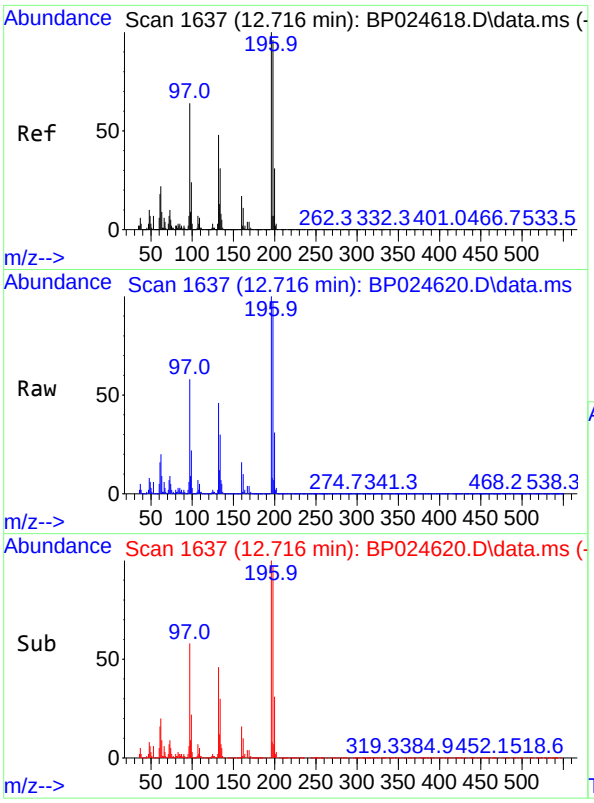


#42
2,4,6-Tribromophenol
Concen: 126.27 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:330 Resp: 696428

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.2	117.4
141	29.3	24.3	36.5



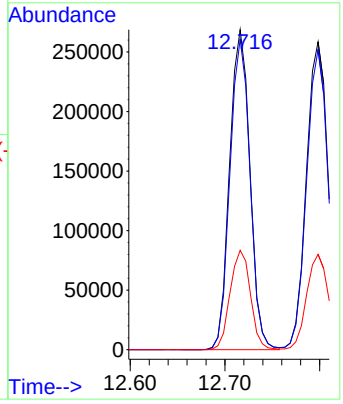


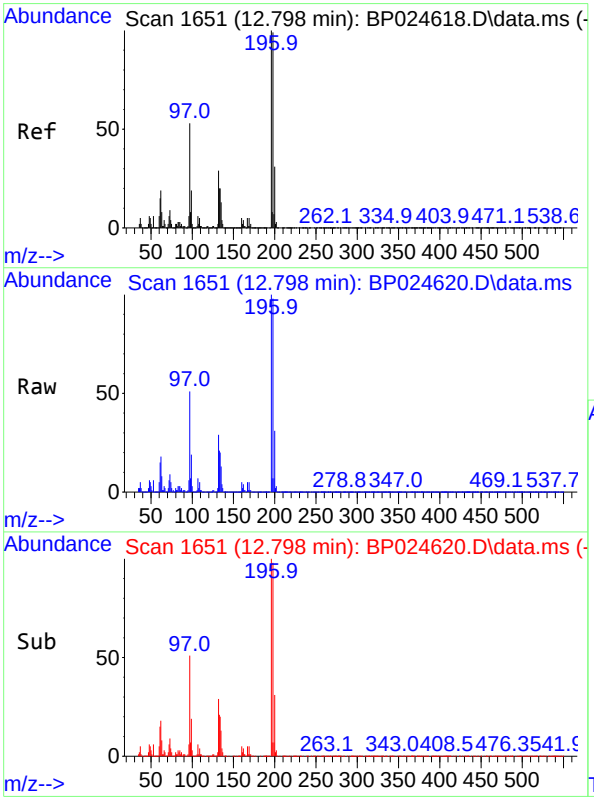
#43
2,4,6-Trichlorophenol
Concen: 65.46 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 400552

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.9	115.3
200	31.0	25.2	37.8

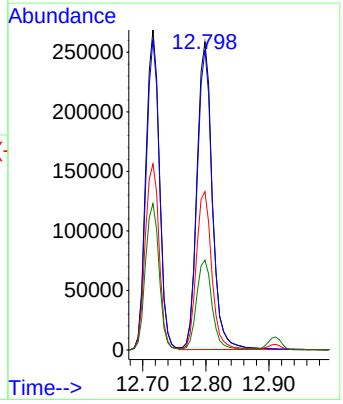


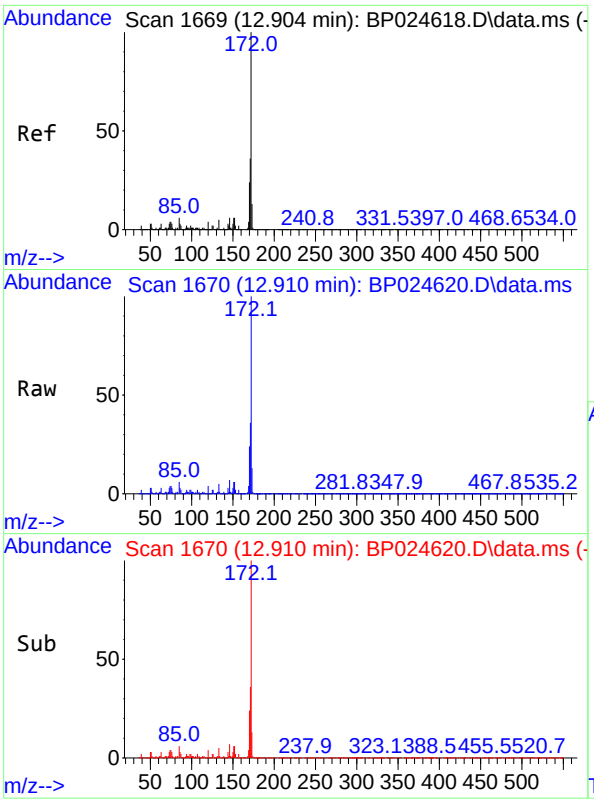


#44
2,4,5-Trichlorophenol
Concen: 64.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:196 Resp: 436361

Ion	Ratio	Lower	Upper
196	100		
198	97.5	79.2	118.8
97	51.4	42.3	63.5
132	29.2	23.3	34.9



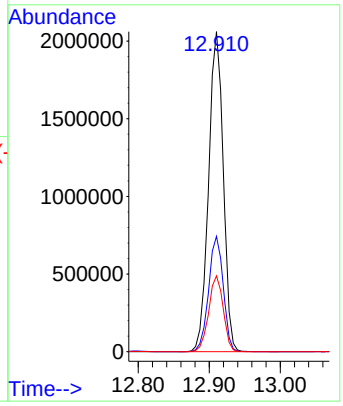


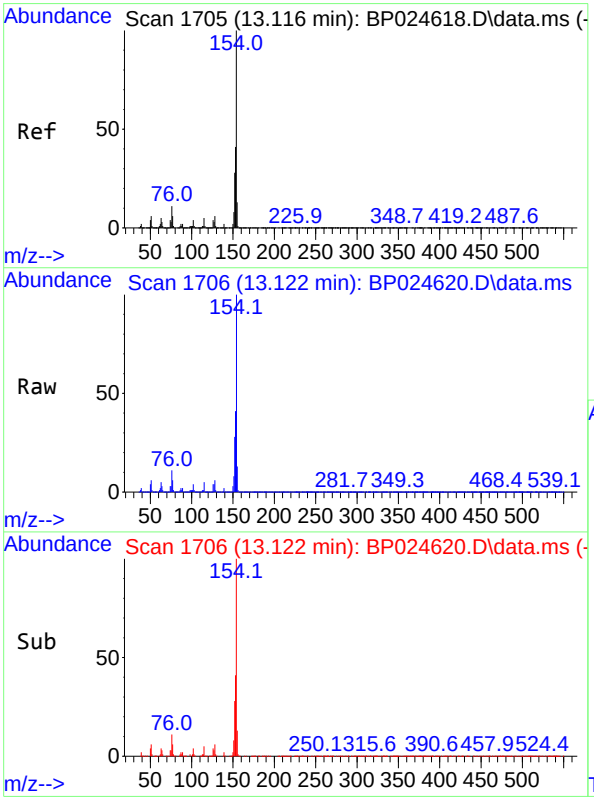
#45
2-Fluorobiphenyl
Concen: 119.08 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2956939

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.7	18.8	28.2

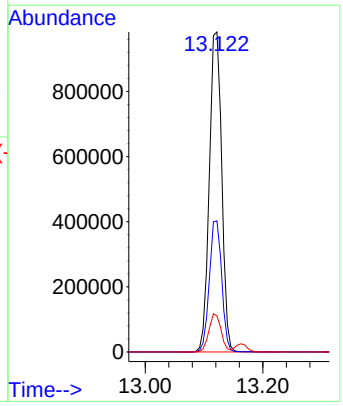


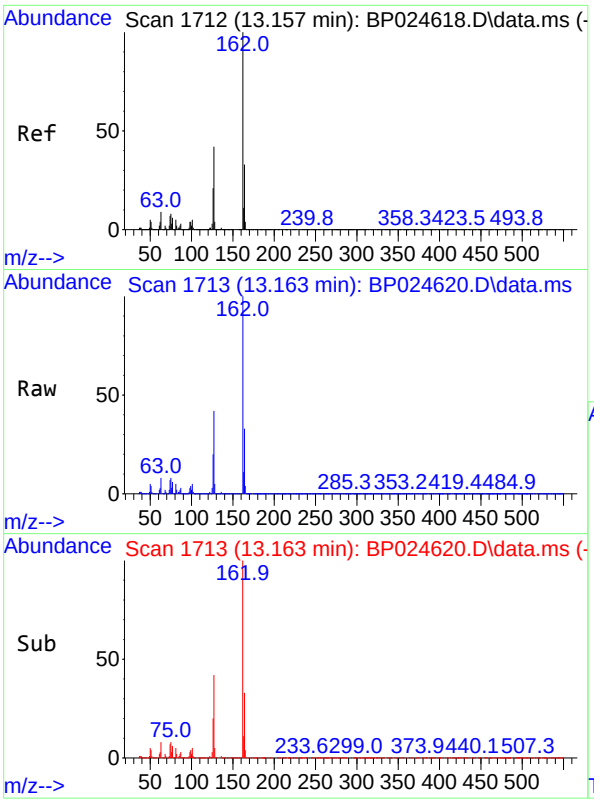


#46
1,1'-Biphenyl
Concen: 59.80 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1437786

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.0	61.0
76	11.3	0.0	31.5



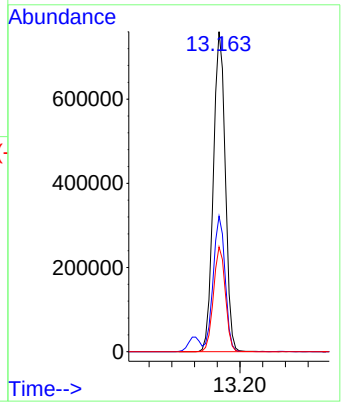


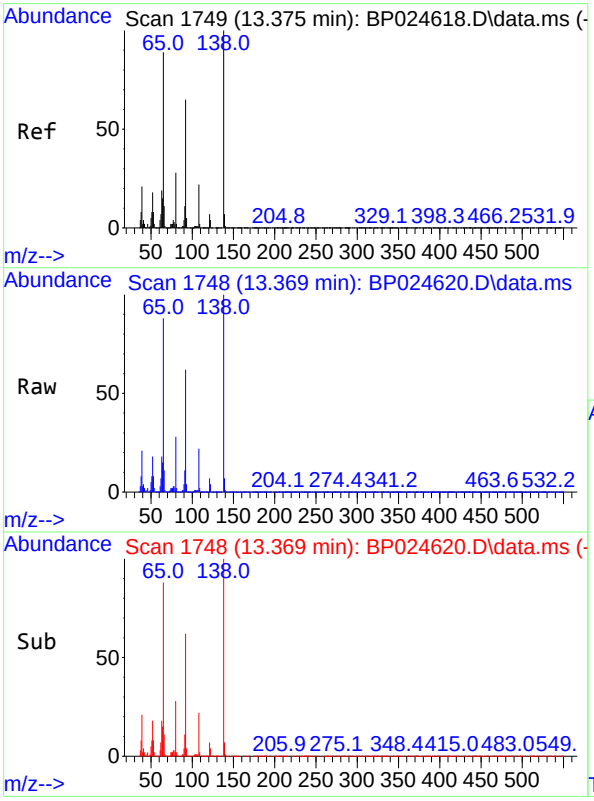
#47
2-Chloronaphthalene
Concen: 60.29 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1105298

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.8	26.0	39.0

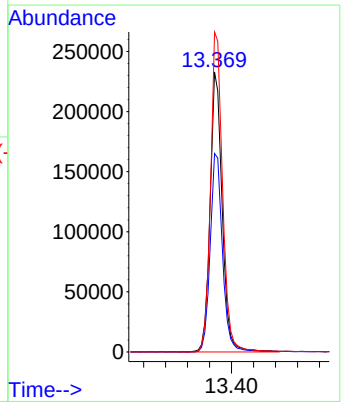


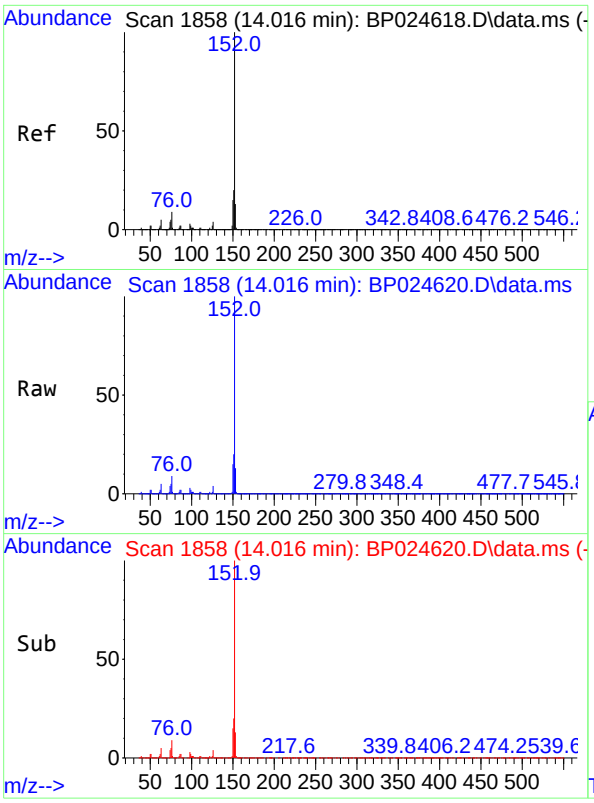


#48
2-Nitroaniline
Concen: 65.40 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 65 Resp: 354977

Ion	Ratio	Lower	Upper
65	100		
92	70.9	58.7	88.1
138	114.3	90.2	135.2



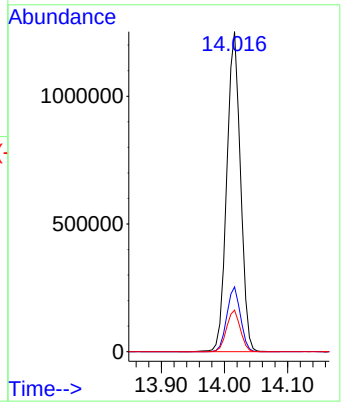


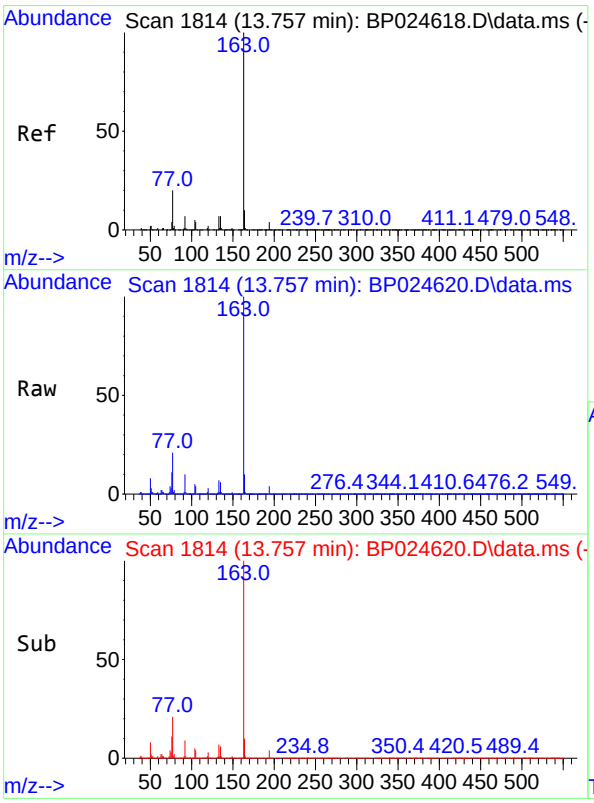
#49
Acenaphthylene
Concen: 61.41 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1884018

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.0	10.2	15.4

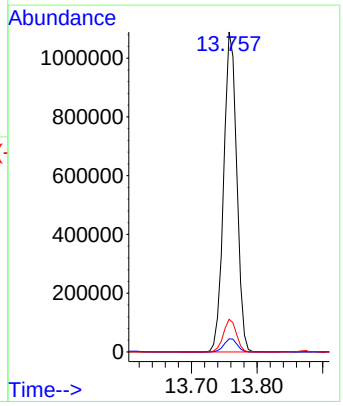


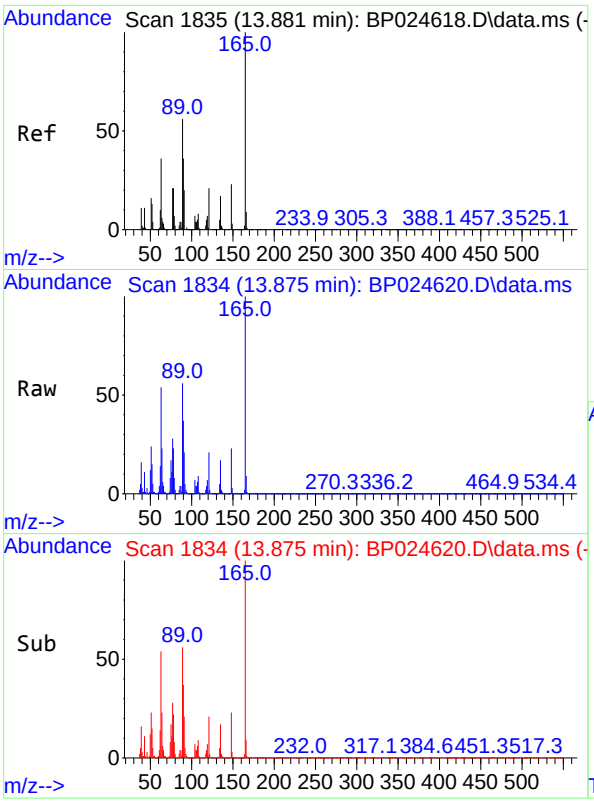


#50
Dimethylphthalate
Concen: 60.42 ng
RT: 13.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:163 Resp: 1498318

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	8.1	12.1



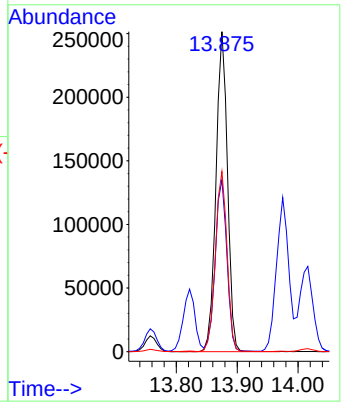


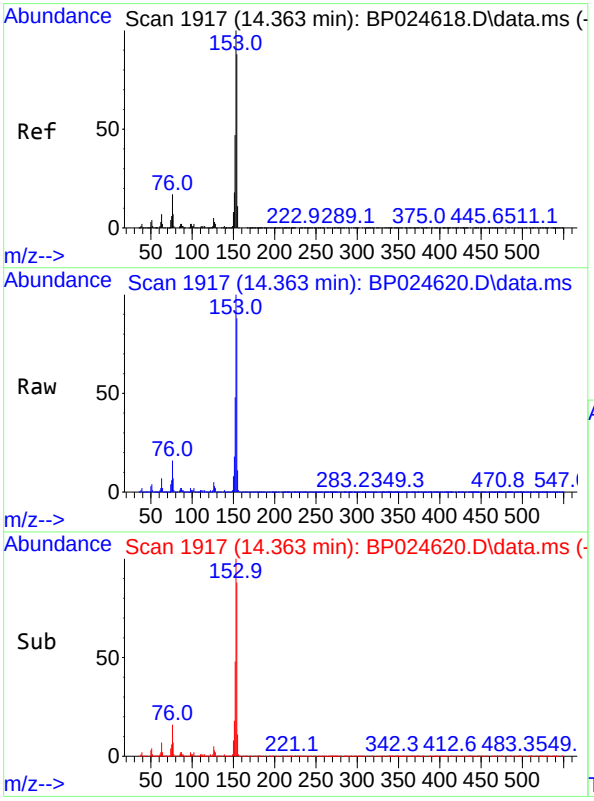
#51
2,6-Dinitrotoluene
Concen: 62.76 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 328682

Ion	Ratio	Lower	Upper
165	100		
63	53.7	42.4	63.6
89	56.3	44.8	67.2

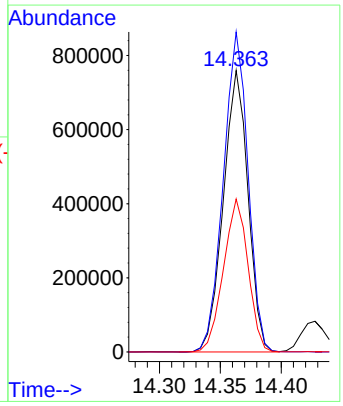


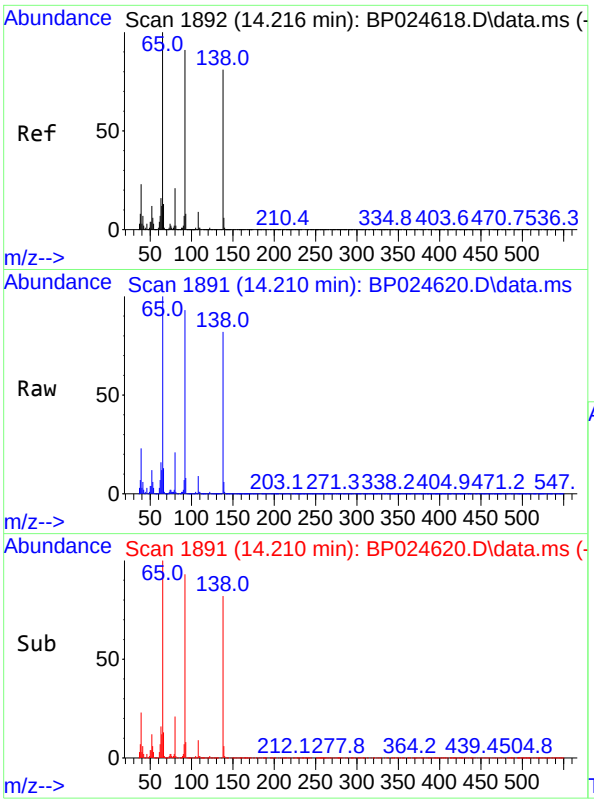


#52
Acenaphthene
Concen: 60.80 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1072483

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	54.4	42.9	64.3



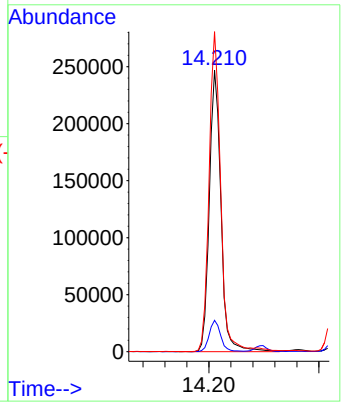


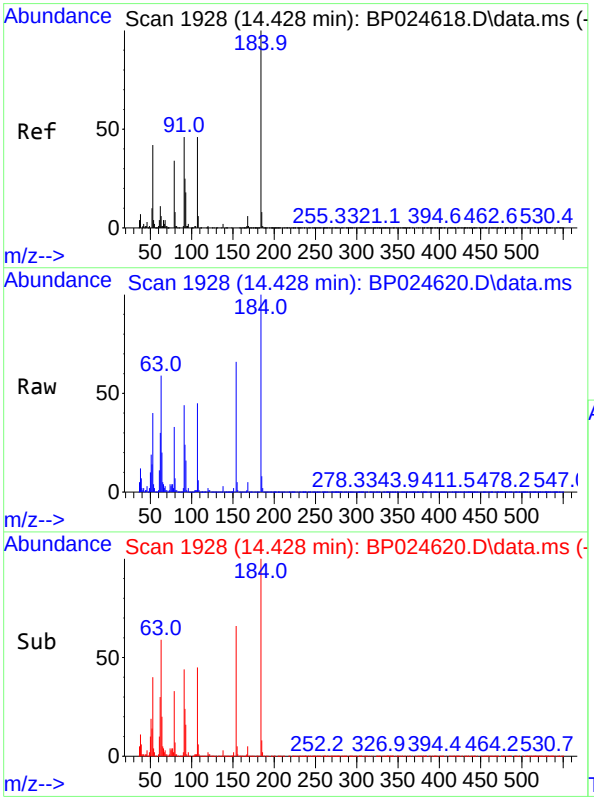
#53
3-Nitroaniline
Concen: 67.54 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 361174

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	113.7	90.1	135.1

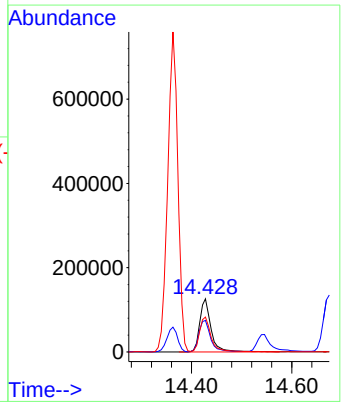


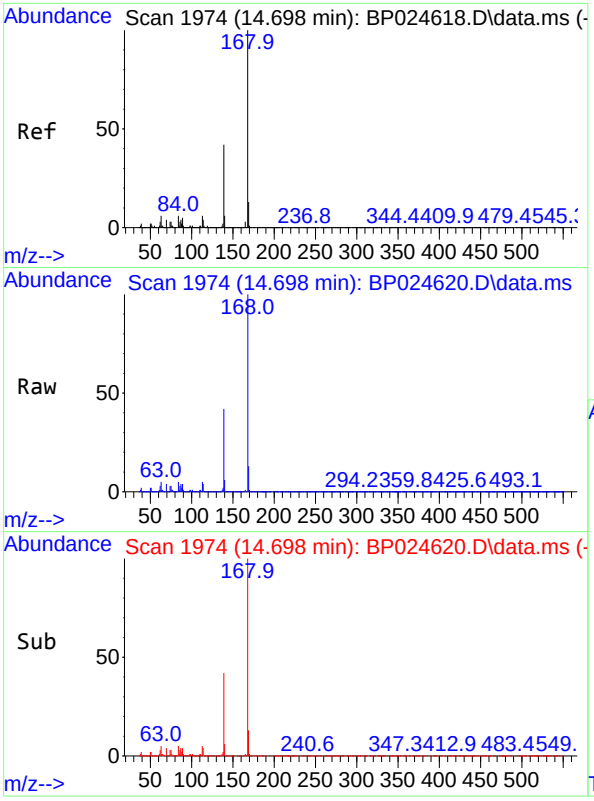


#54
2,4-Dinitrophenol
Concen: 61.10 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:184 Resp: 196350

Ion	Ratio	Lower	Upper
184	100		
63	59.3	51.3	76.9
154	65.7	53.5	80.3



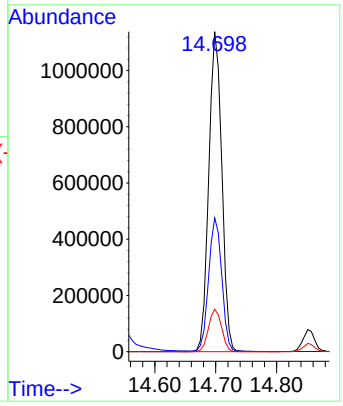


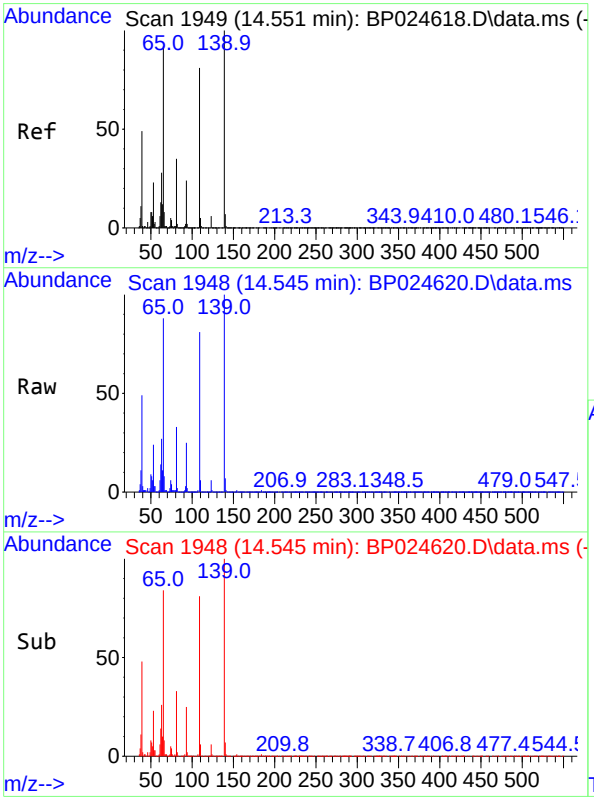
#55
Dibenzofuran
Concen: 60.13 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1691790

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	13.3	10.8	16.2

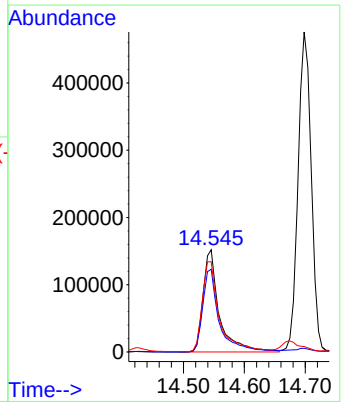


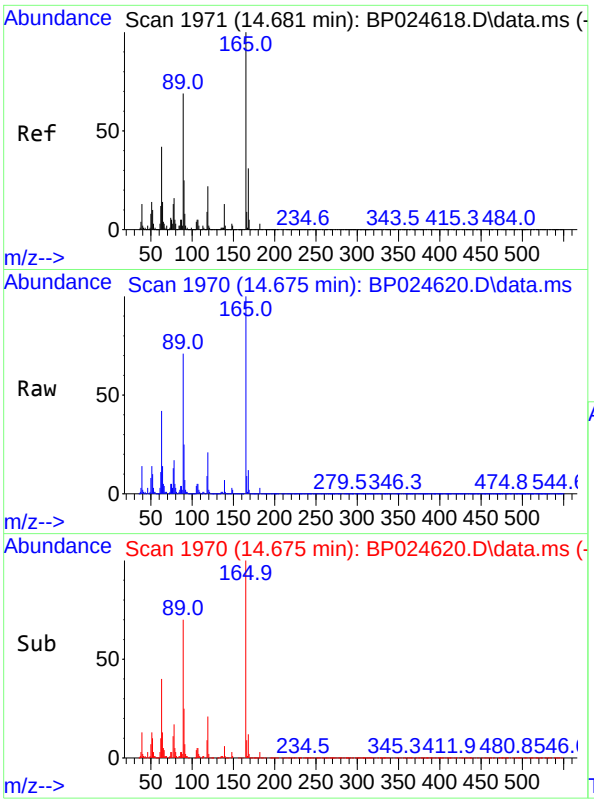


#56
4-Nitrophenol
Concen: 61.78 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 281293

Ion	Ratio	Lower	Upper
139	100		
109	80.9	61.4	101.4
65	88.2	72.2	112.2



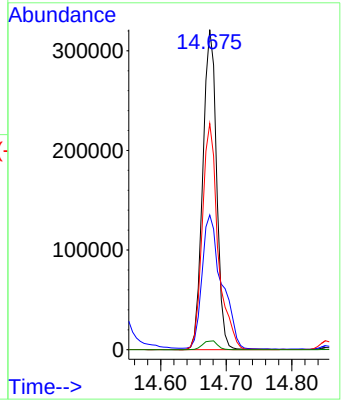


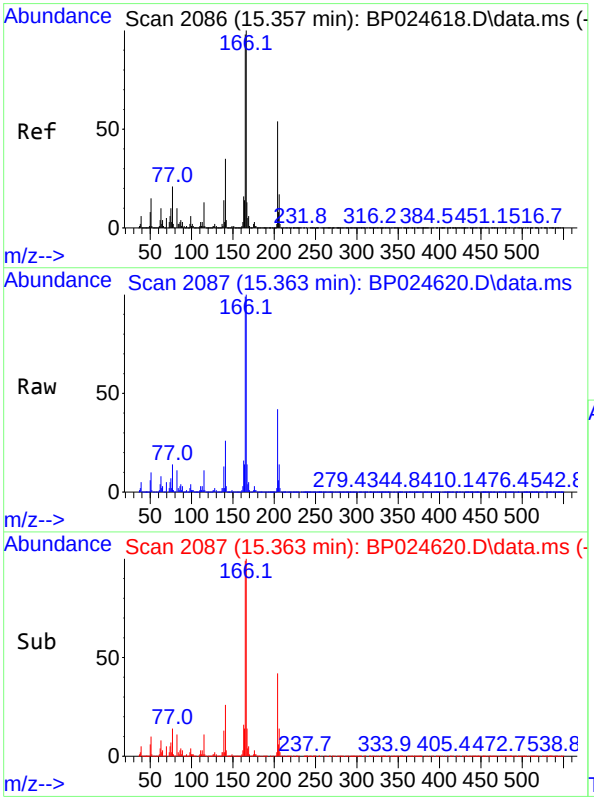
#57
2,4-Dinitrotoluene
Concen: 63.87 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 471525

Ion	Ratio	Lower	Upper
165	100		
63	42.1	33.8	50.6
89	70.6	55.6	83.4
182	2.7	2.4	3.6

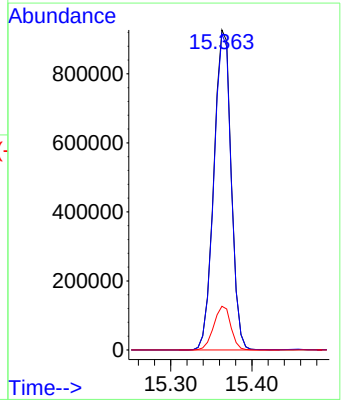


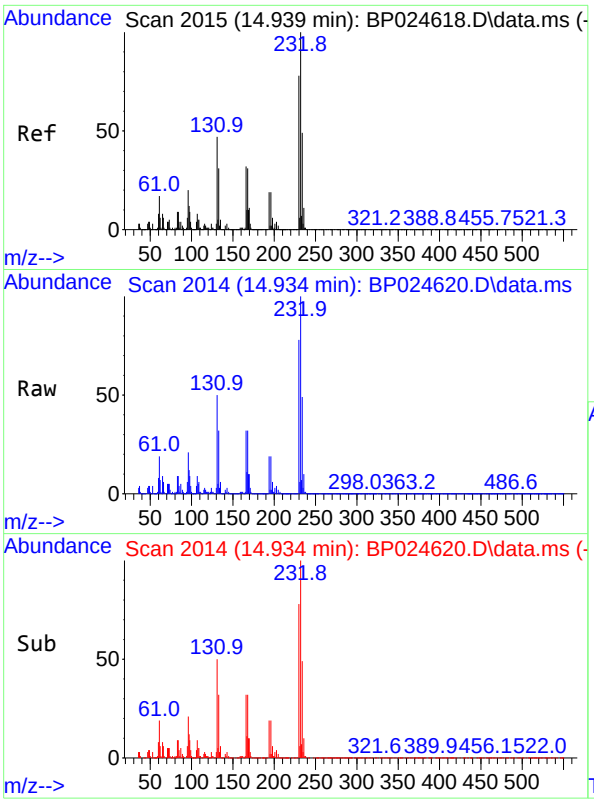


#58
Fluorene
Concen: 60.00 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:166 Resp: 1376412

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.6	10.7	16.1



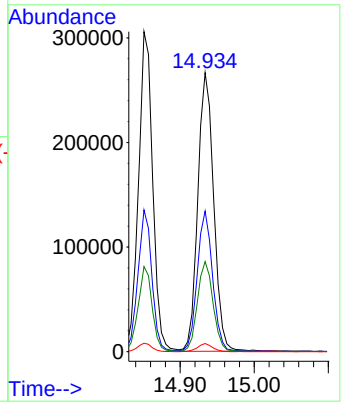


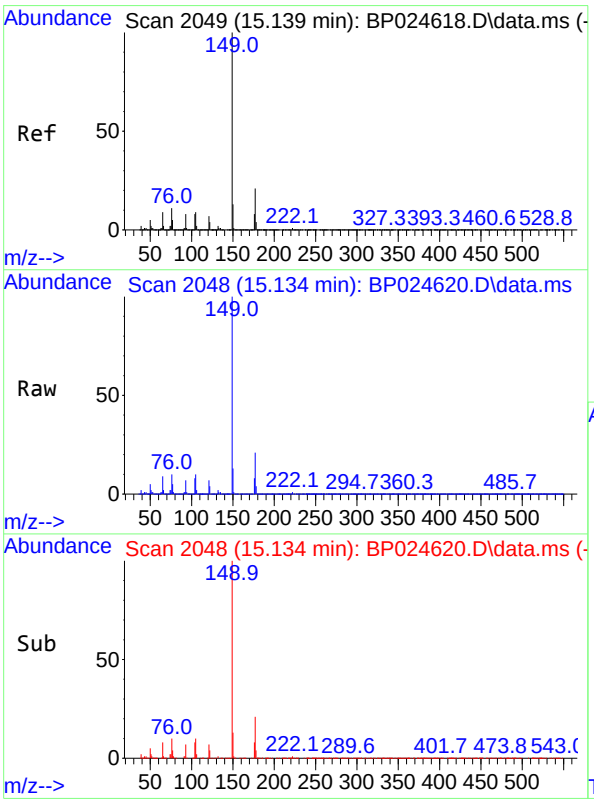
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.78 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 396678

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.5	59.3
130	2.7	2.2	3.4
166	31.9	25.7	38.5

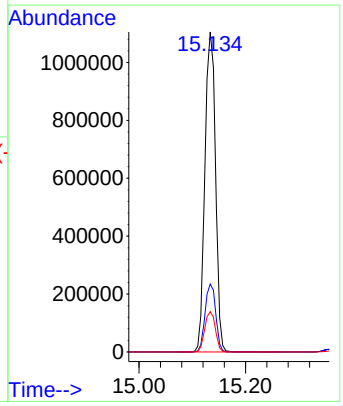


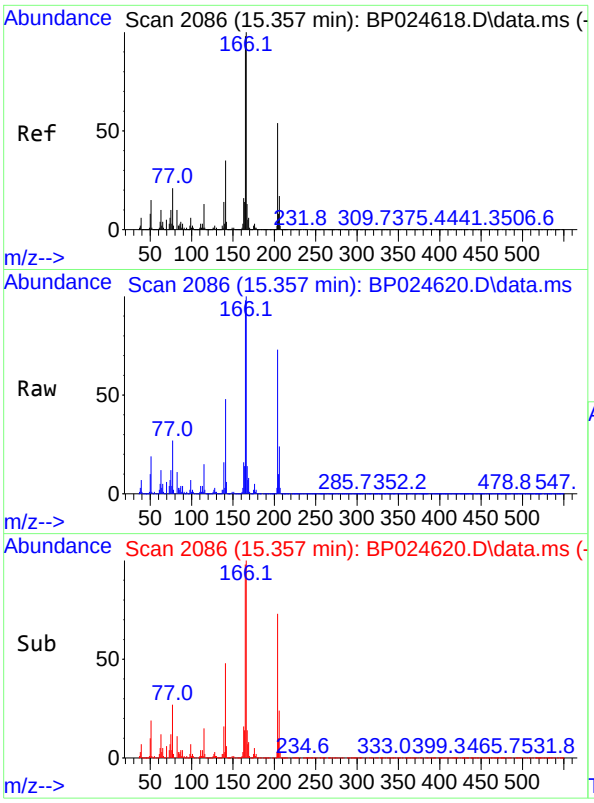


#60
Diethylphthalate
Concen: 60.87 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1525628

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	12.6	10.2	15.2



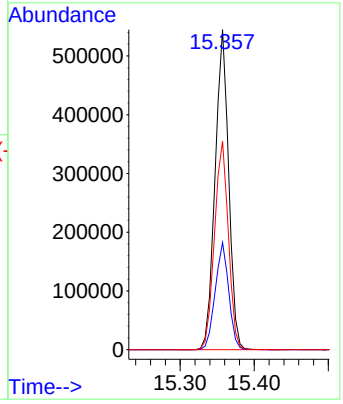


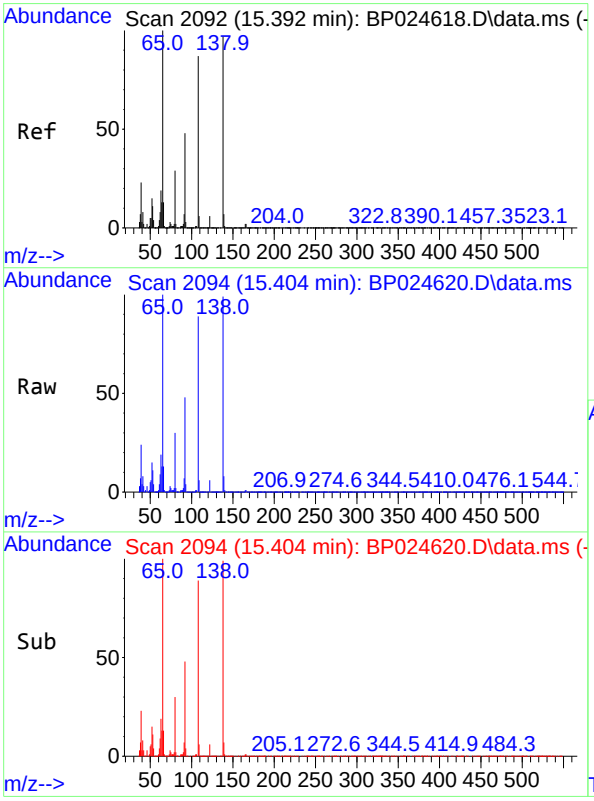
#61
4-Chlorophenyl-phenylether
Concen: 60.51 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 692230

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.0	39.0
141	65.2	52.9	79.3

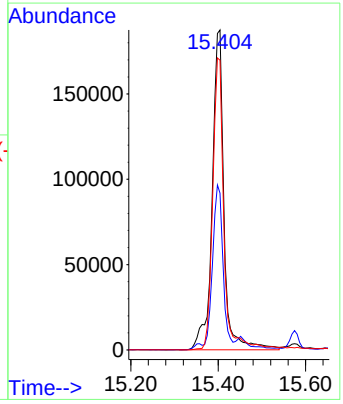


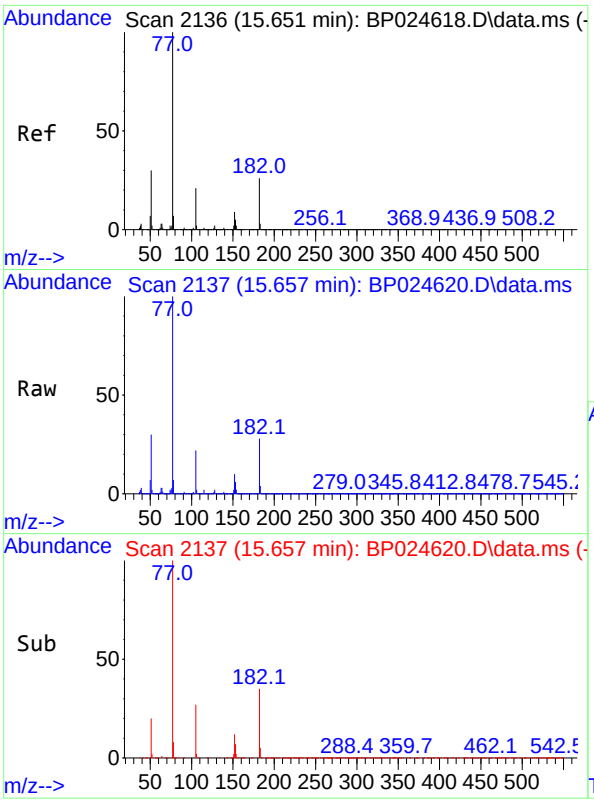


#62
4-Nitroaniline
Concen: 68.05 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:138 Resp: 354287

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.2	69.2
108	90.5	69.0	109.0



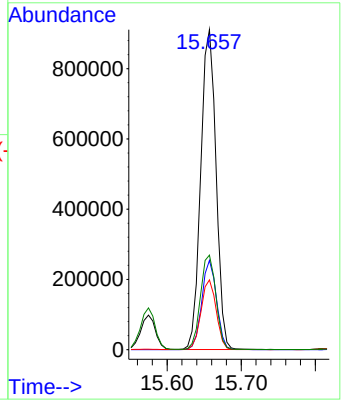


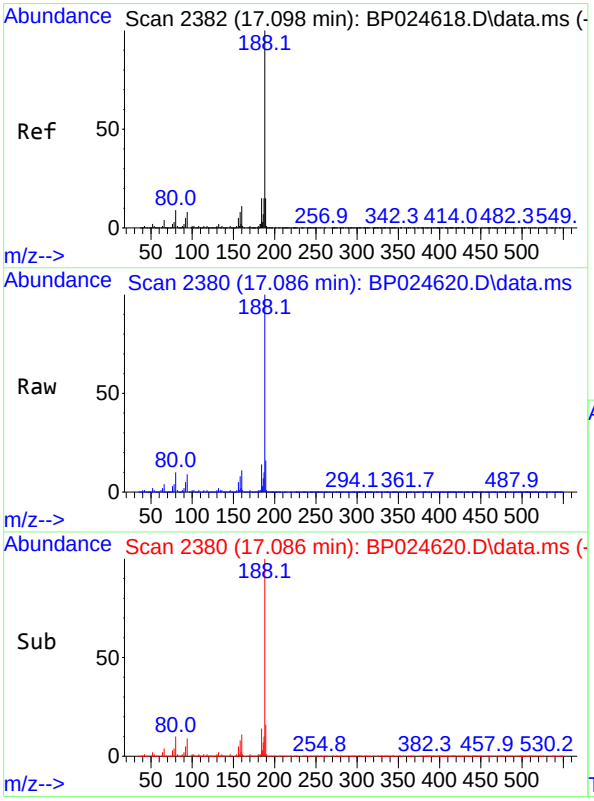
#63
Azobenzene
Concen: 61.14 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1310800

Ion	Ratio	Lower	Upper
77	100		
182	27.9	5.7	45.7
105	21.8	1.3	41.3
51	29.6	10.6	50.6

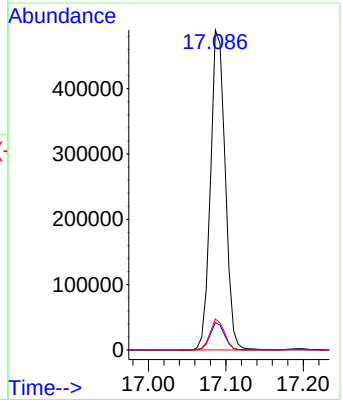


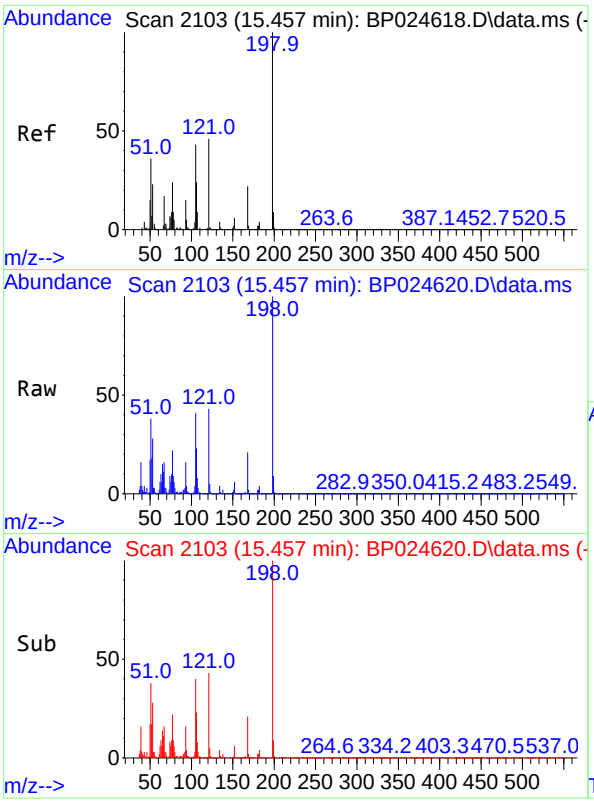


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:188 Resp: 646756

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.5	9.7
80	9.6	7.3	10.9



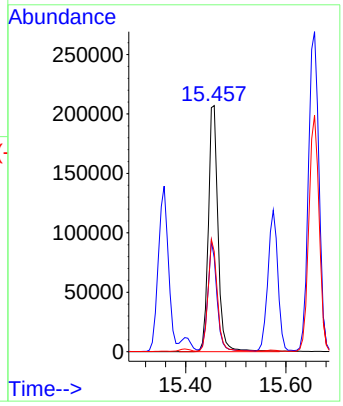


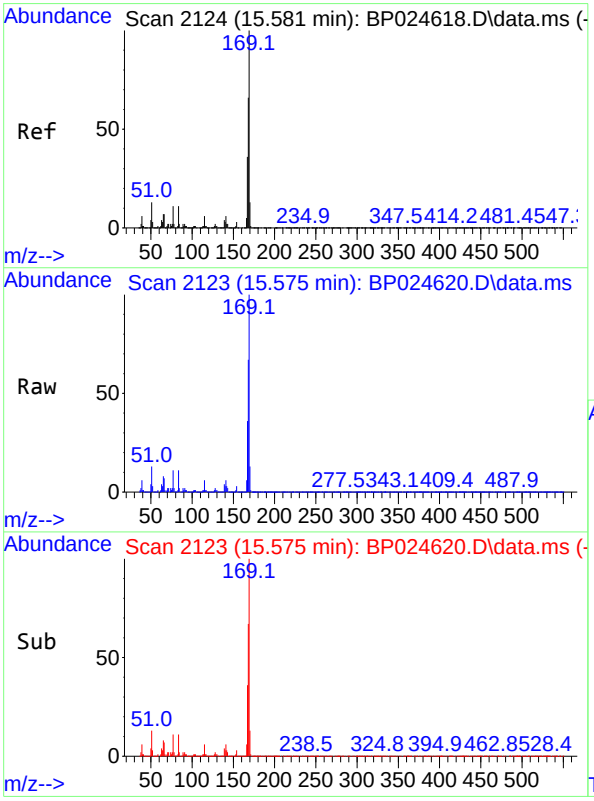
#65
4,6-Dinitro-2-methylphenol
Concen: 66.55 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 278024

Ion	Ratio	Lower	Upper
198	100		
51	38.1	21.1	61.1
105	40.6	23.6	63.6

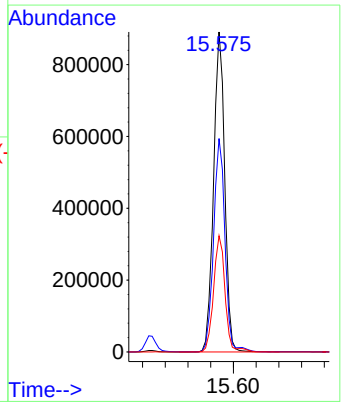


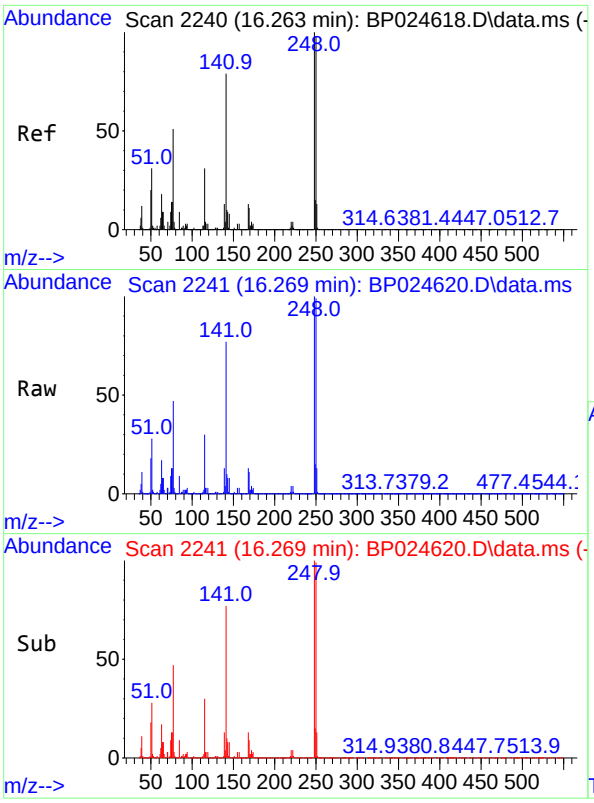


#66
n-Nitrosodiphenylamine
Concen: 60.68 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:169 Resp: 1205525

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.3	28.6	43.0



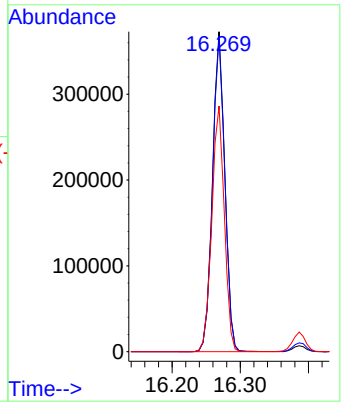


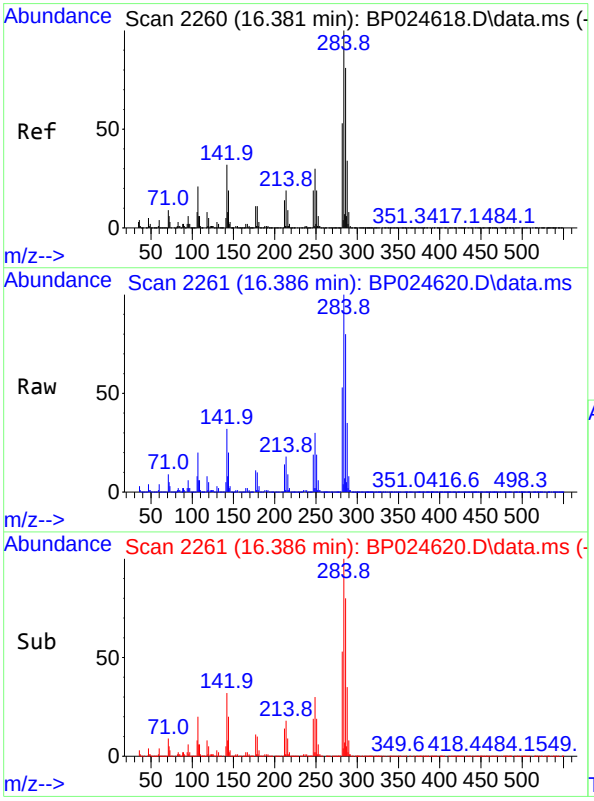
#67
4-Bromophenyl-phenylether
Concen: 61.56 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 469127

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.2	117.4
141	76.7	63.0	94.6

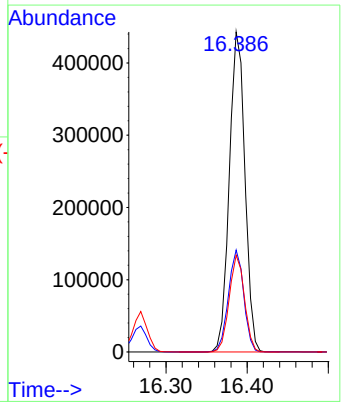


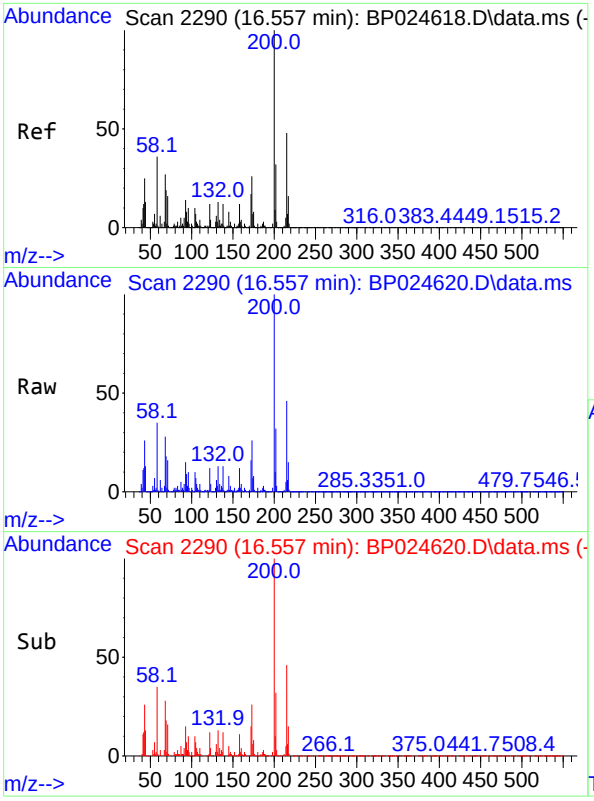


#68
Hexachlorobenzene
Concen: 60.99 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:284 Resp: 590615

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.9	38.9
249	30.3	24.1	36.1



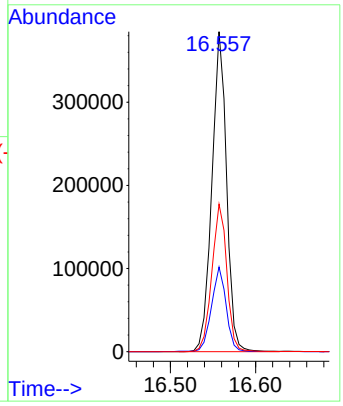


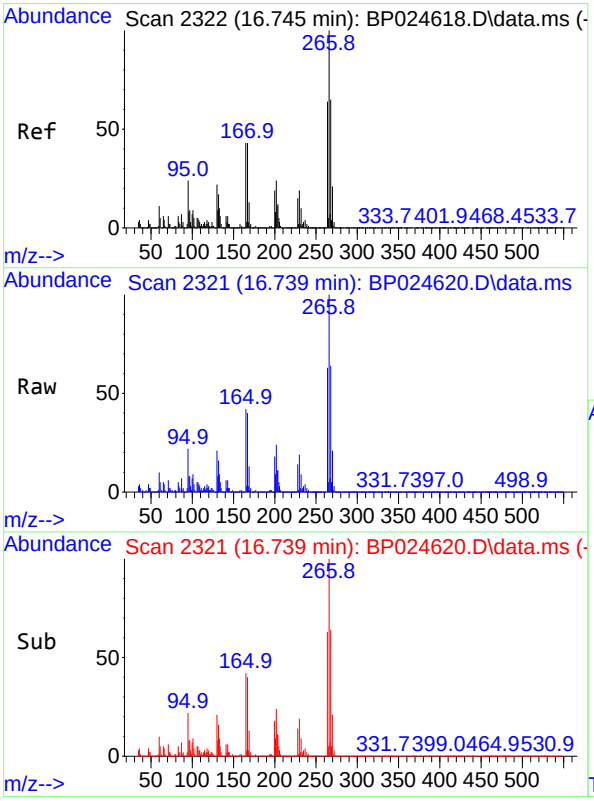
#69
Atrazine
Concen: 63.29 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 460742

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	46.1	28.3	68.3

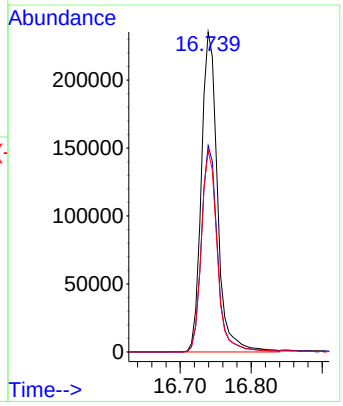


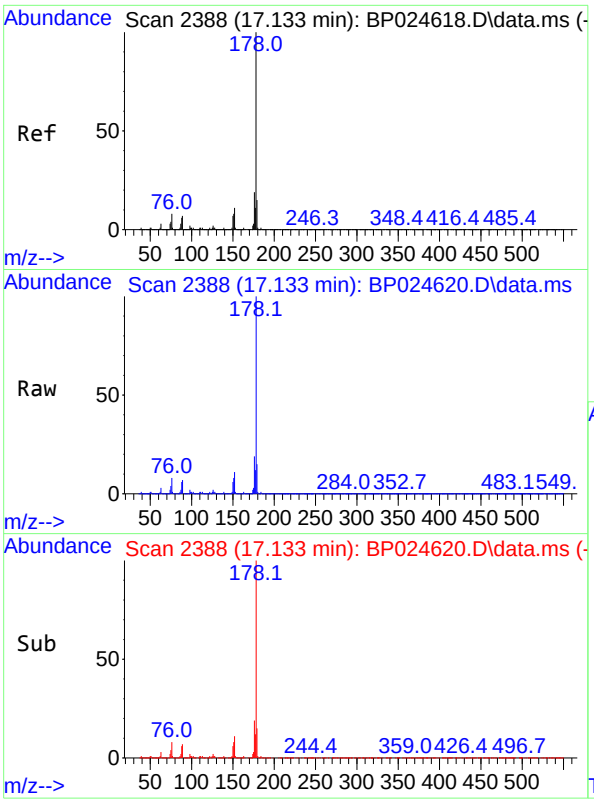


#70
Pentachlorophenol
Concen: 68.29 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:266 Resp: 371465

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.2	78.4
264	62.9	51.1	76.7



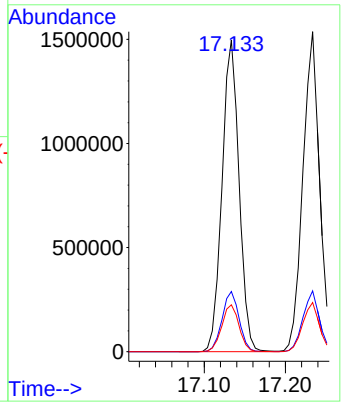


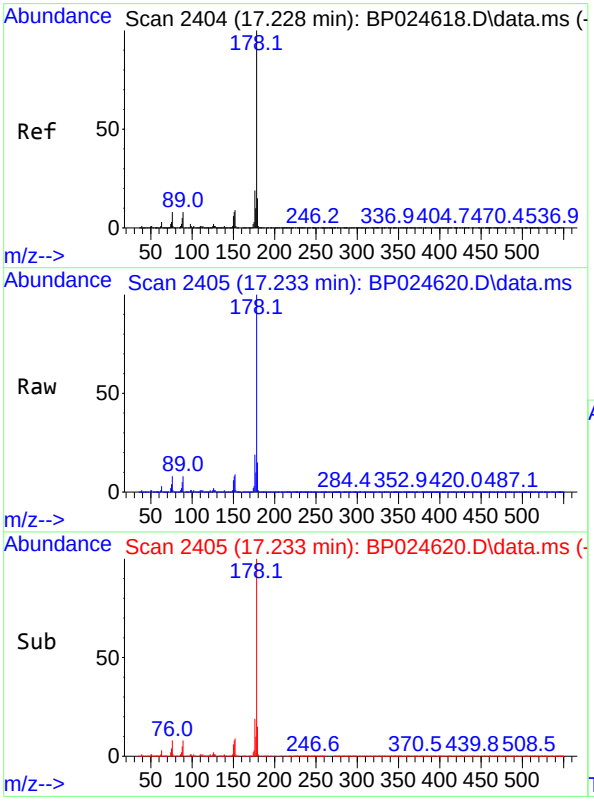
#71
Phenanthrene
Concen: 60.73 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2183329

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.1	12.2	18.4

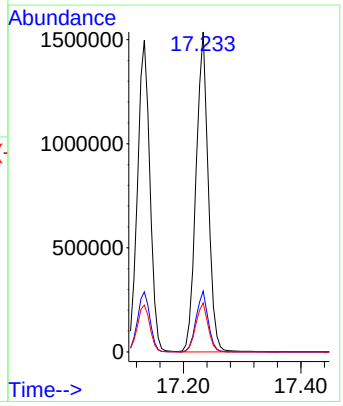


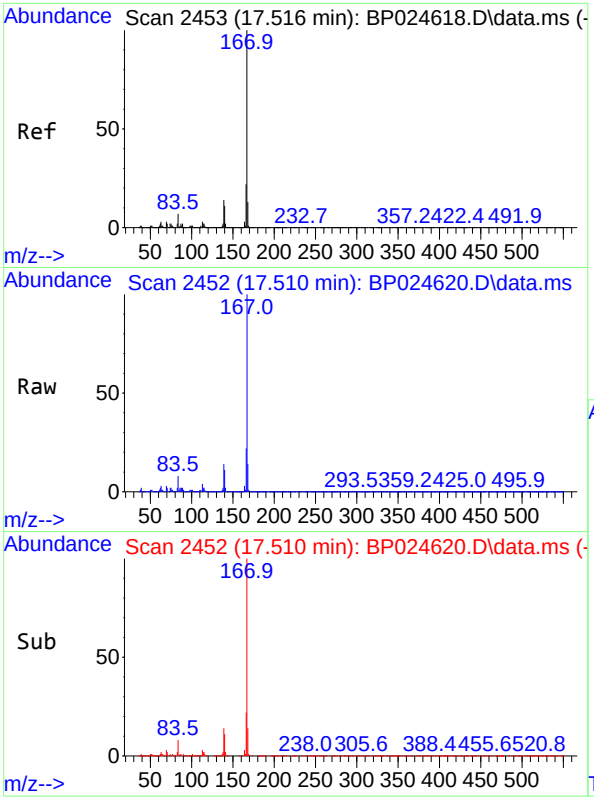


#72
Anthracene
Concen: 61.11 ng
RT: 17.233 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:178 Resp: 2210412

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.3	12.2	18.2



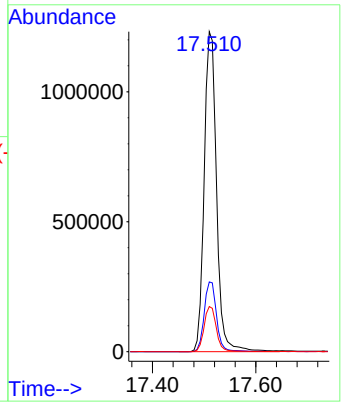


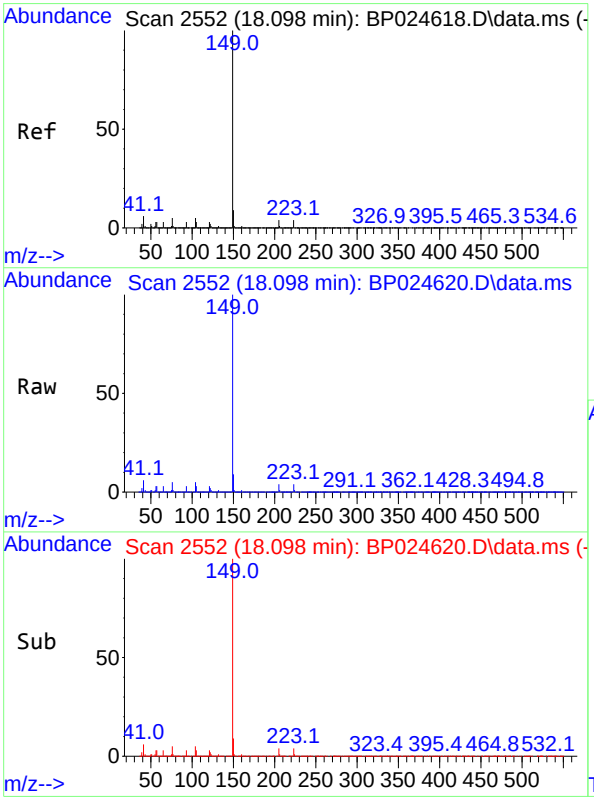
#73
Carbazole
Concen: 62.39 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2042777

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.1	11.3	16.9

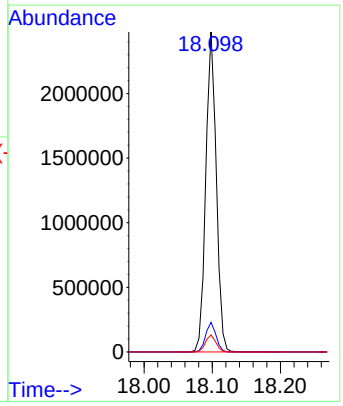


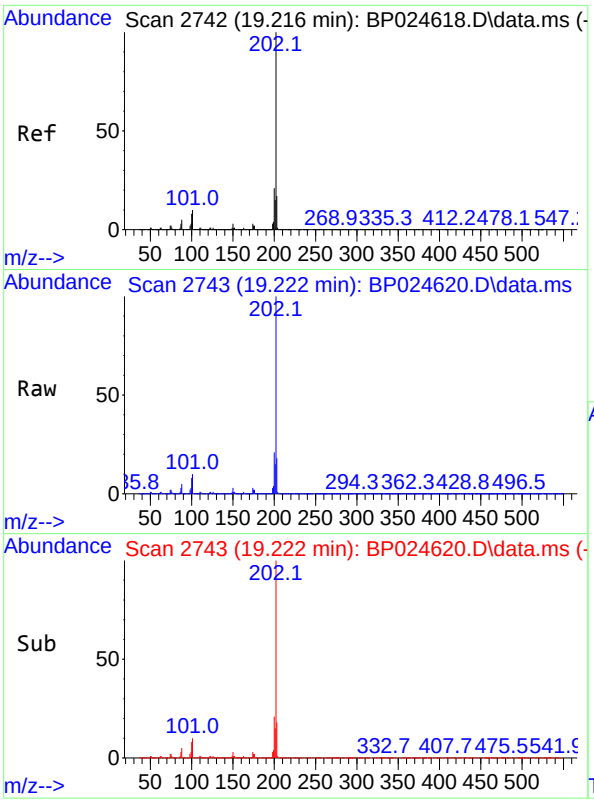


#74
Di-n-butylphthalate
Concen: 62.81 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 2644959

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.3	4.3	6.5



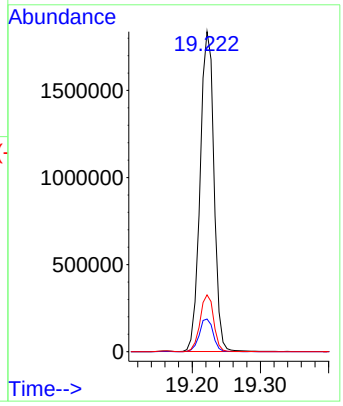


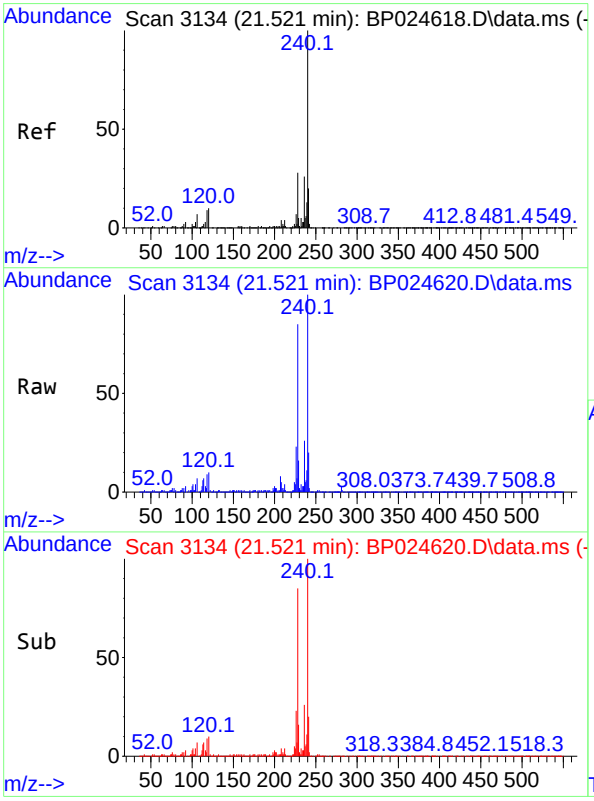
#75
Fluoranthene
Concen: 61.73 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2594532

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.3
203	17.8	0.0	37.5

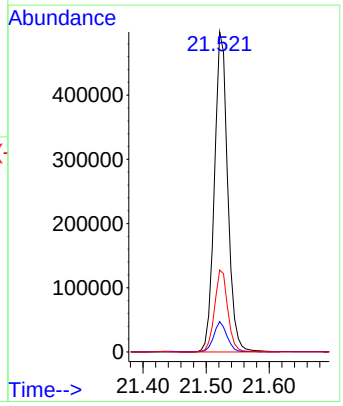


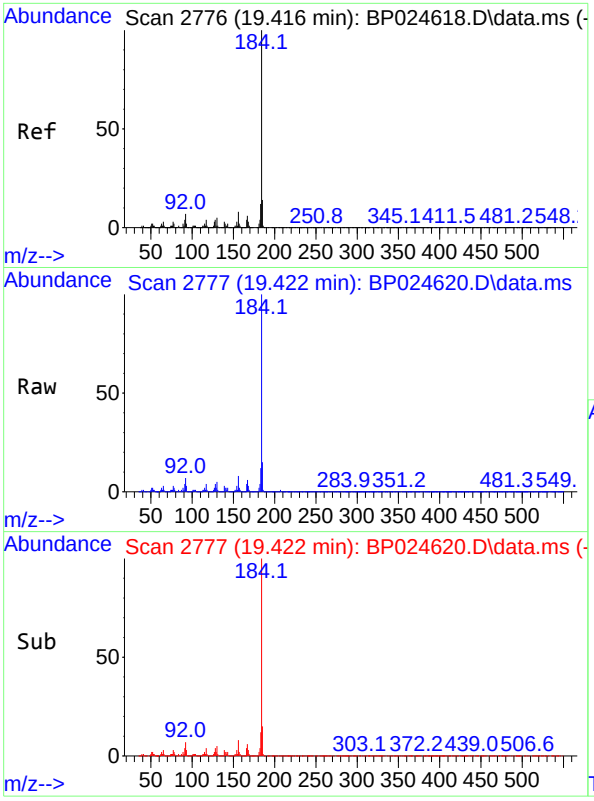


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:240 Resp: 726281

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.6	20.6	31.0



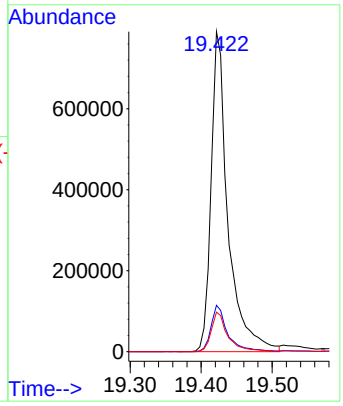


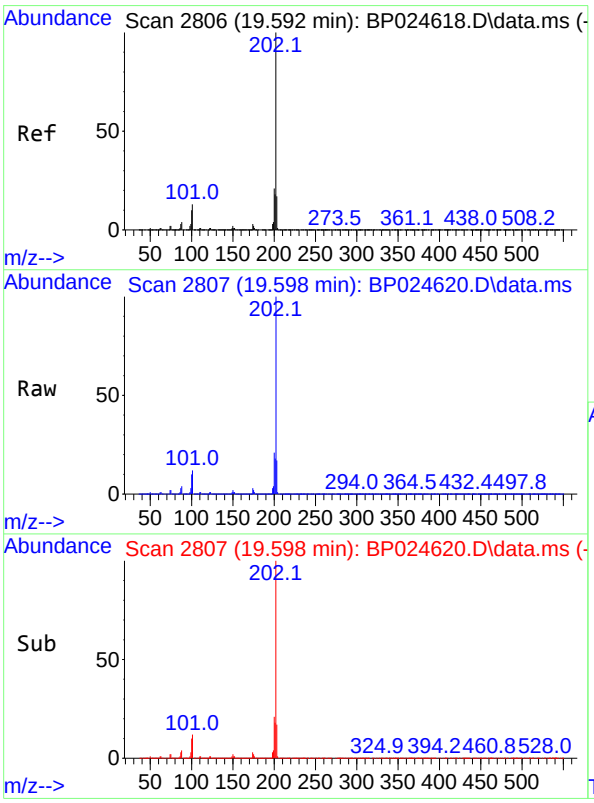
#77
Benzidine
Concen: 65.42 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1304259

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.2	16.8
183	12.4	9.8	14.8

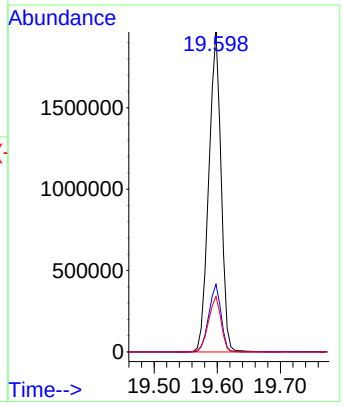


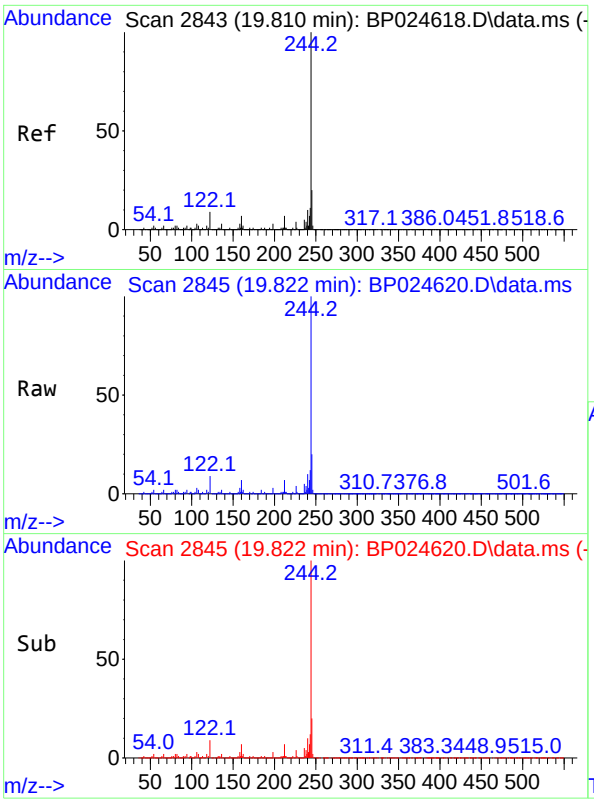


#78
Pyrene
Concen: 61.17 ng
RT: 19.598 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:202 Resp: 2661811

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9



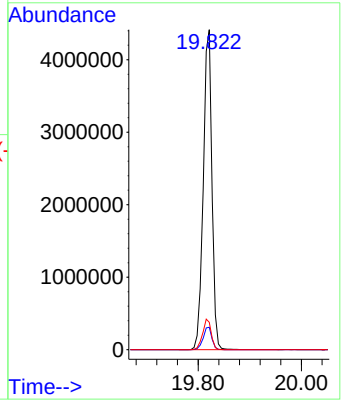


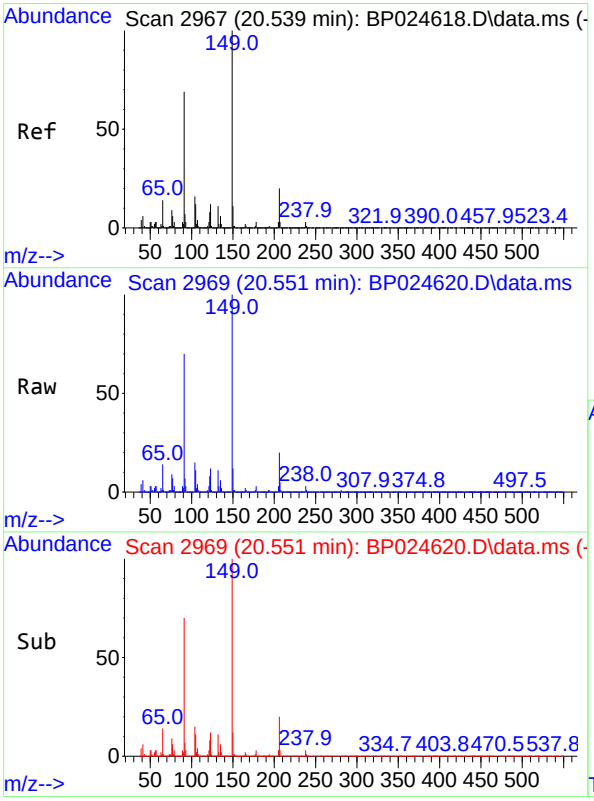
#79
Terphenyl-d14
Concen: 120.88 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 5119872

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.6	7.4	11.0

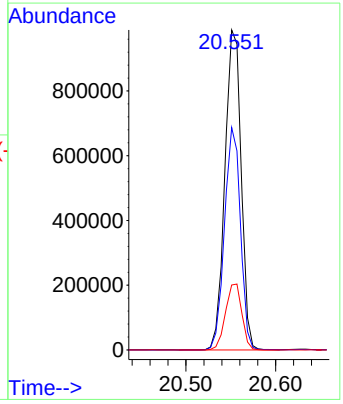


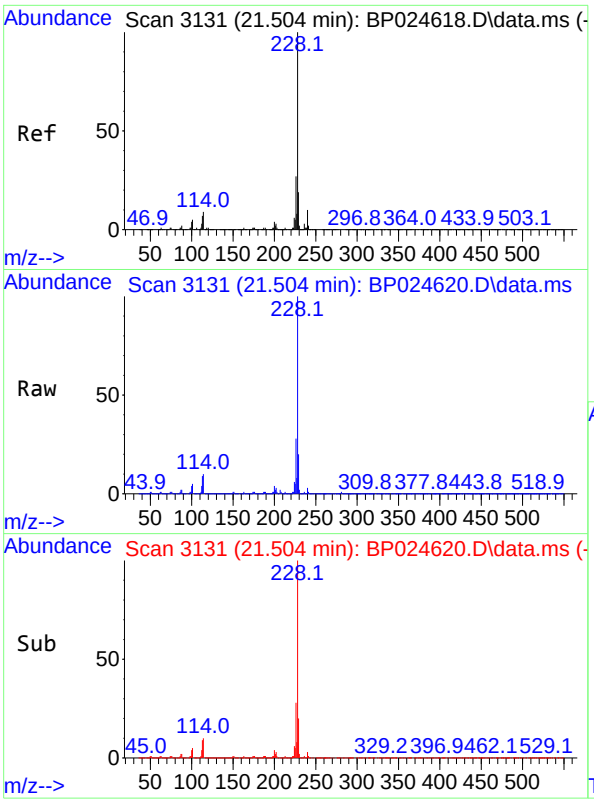


#80
Butylbenzylphthalate
Concen: 64.25 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1243403

Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.4	83.0
206	20.3	16.2	24.2



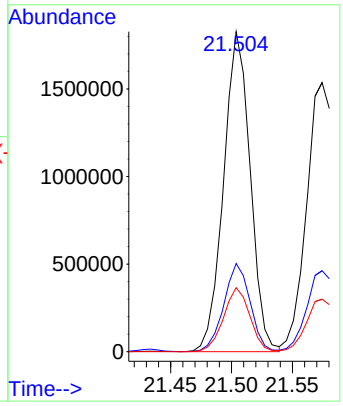


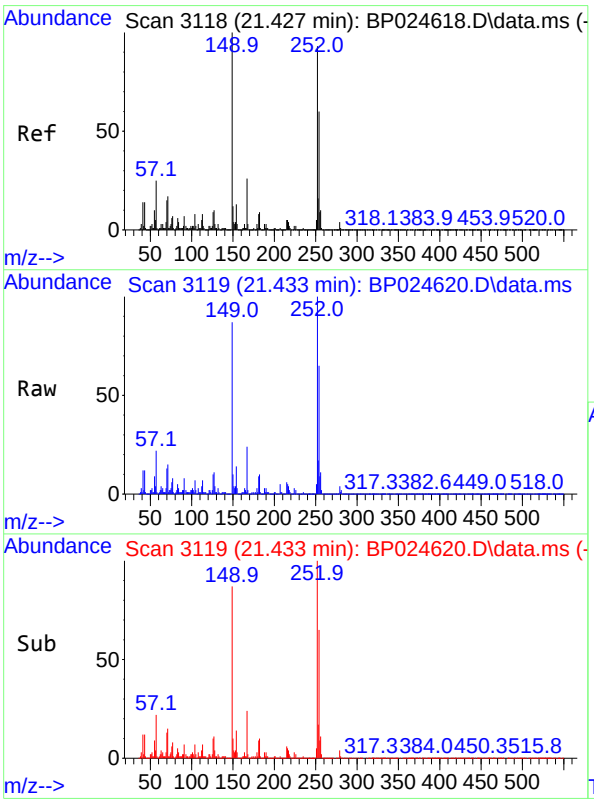
#81
Benzo(a)anthracene
Concen: 60.93 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2778689

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	20.0	15.5	23.3

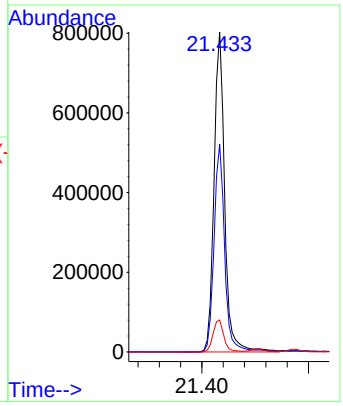


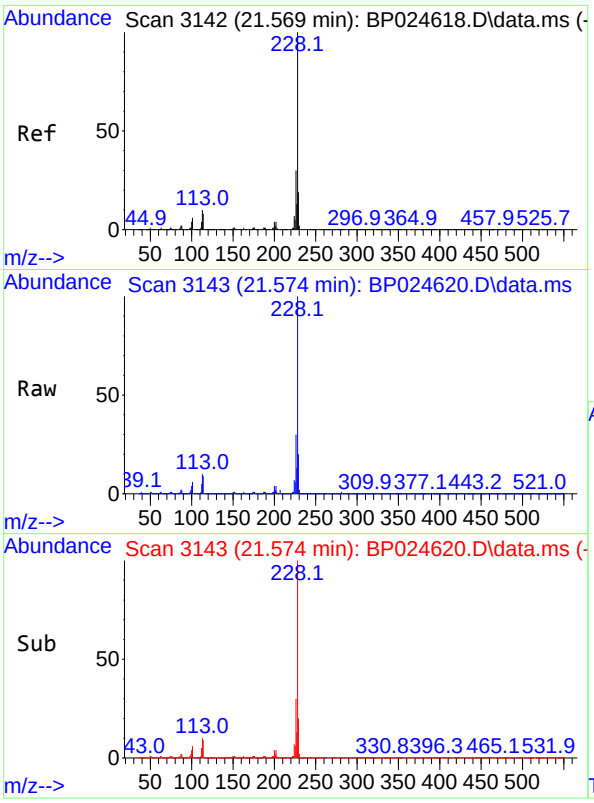


#82
3,3'-Dichlorobenzidine
Concen: 65.77 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 1114122

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	10.0	7.7	11.5



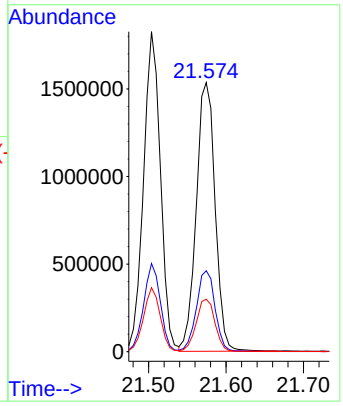


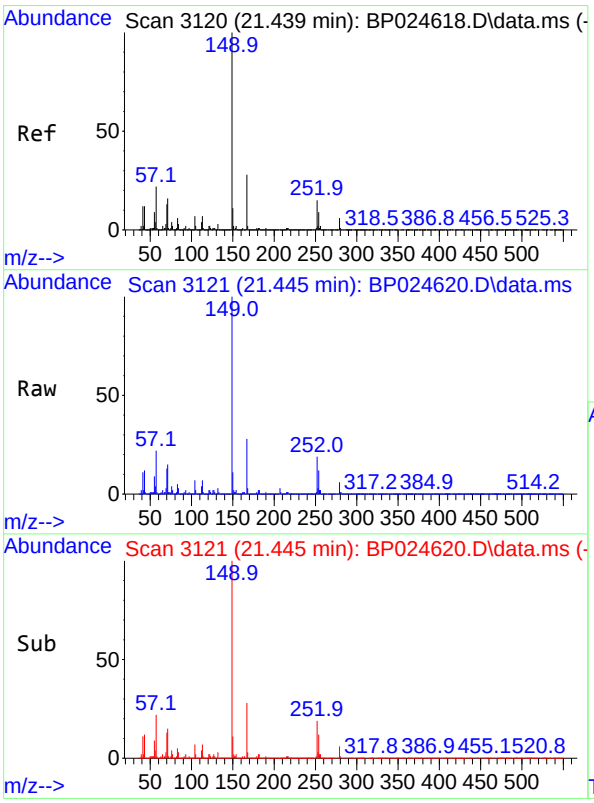
#83
Chrysene
Concen: 59.88 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2588513

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.5	15.5	23.3

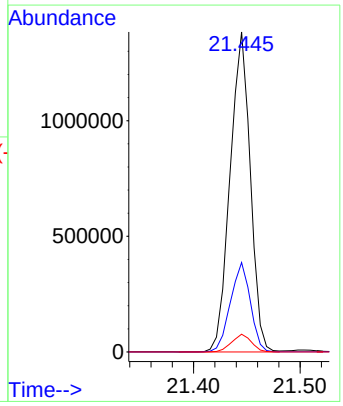


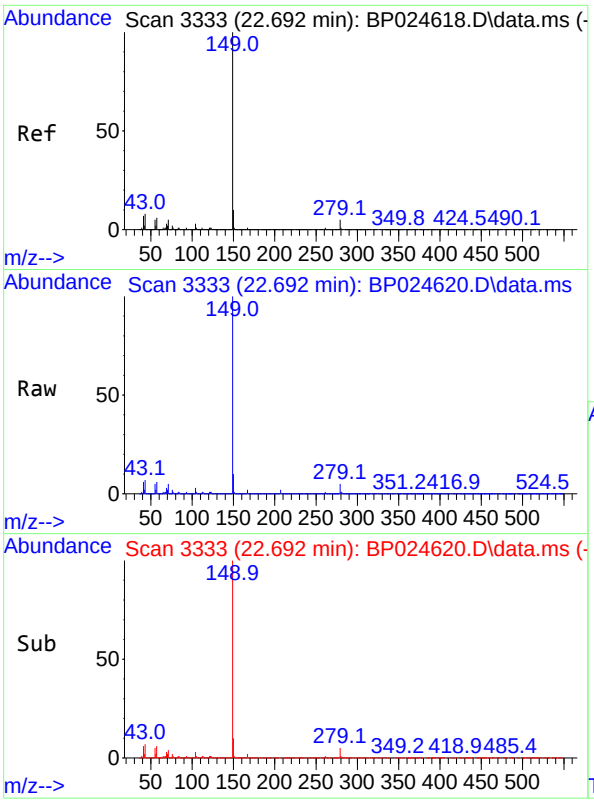


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.05 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1822019

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	5.6	4.6	6.8



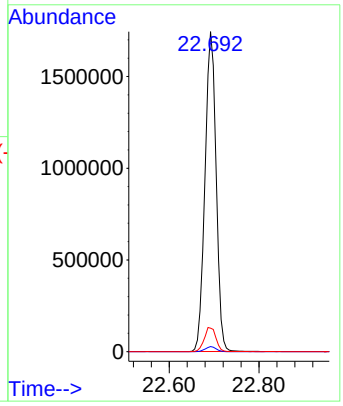


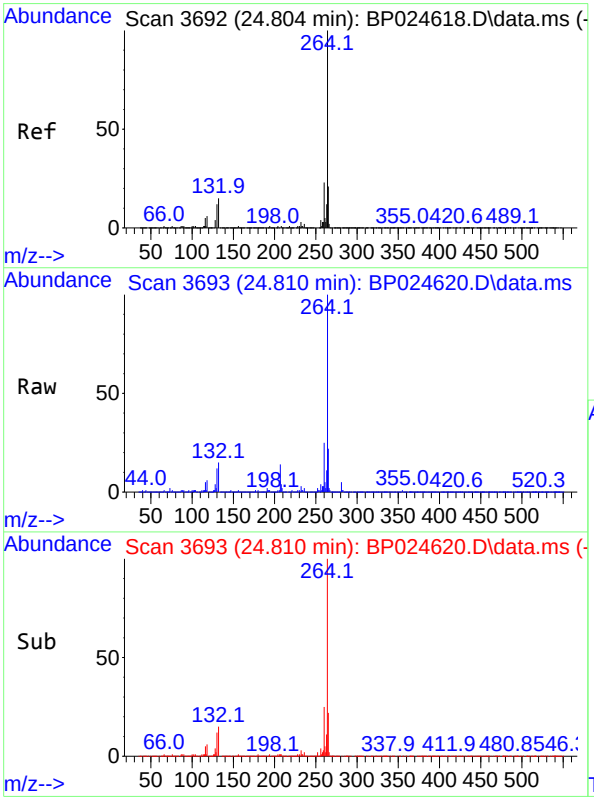
#85
Di-n-octyl phthalate
Concen: 64.47 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2998832

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.9	6.3	9.5

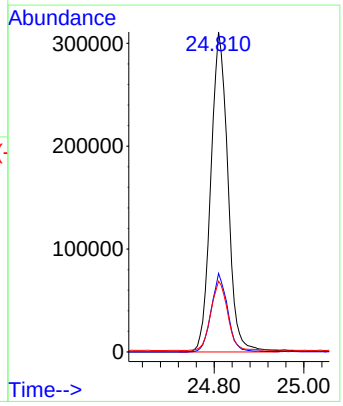


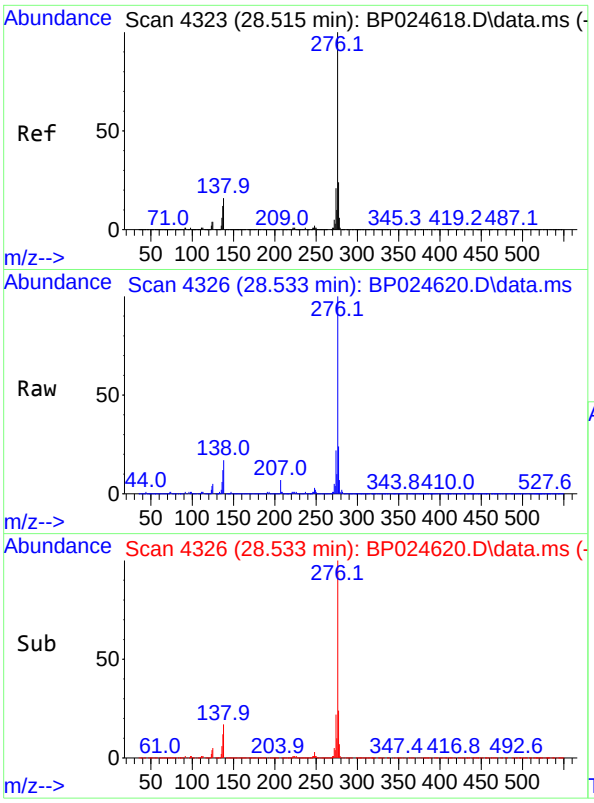


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:264 Resp: 822943

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.1	17.0	25.6



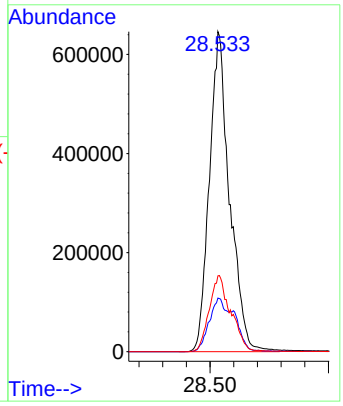


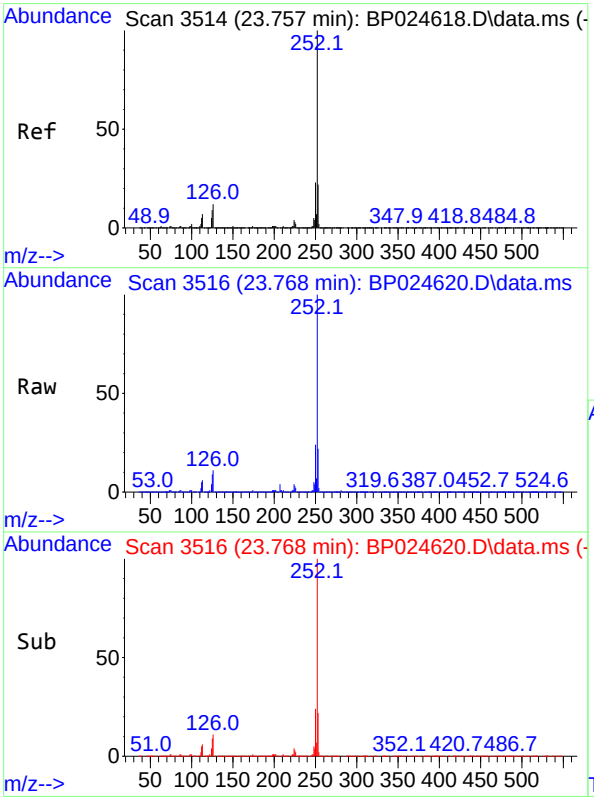
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.64 ng
RT: 28.533 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 3824922

Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.2	16.8
277	25.5	15.7	23.5#

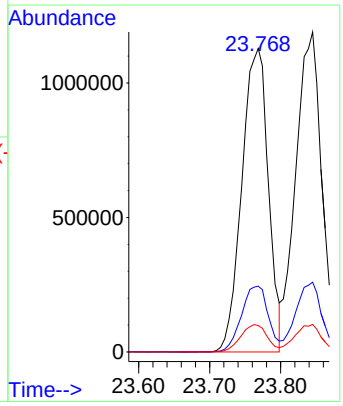


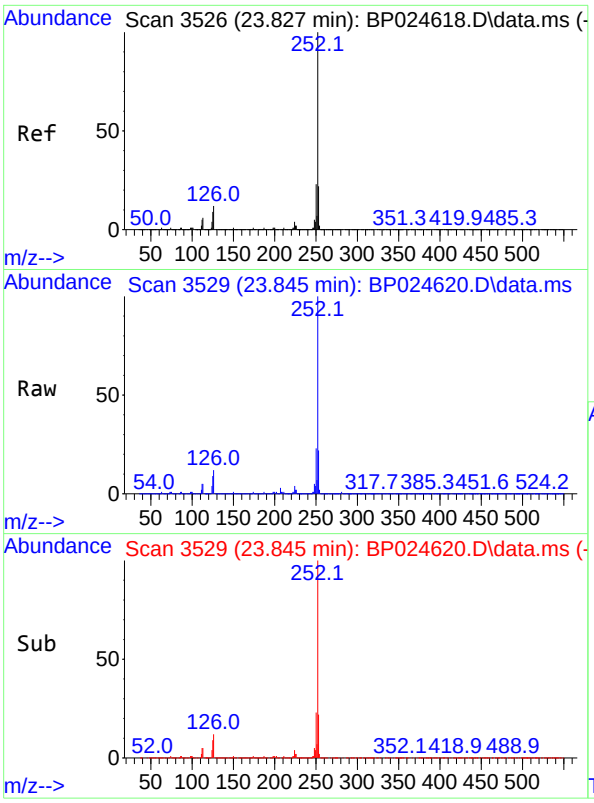


#88
Benzo(b)fluoranthene
Concen: 62.04 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2922103

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.7	7.5	11.3



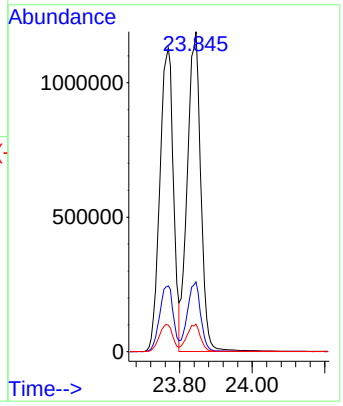


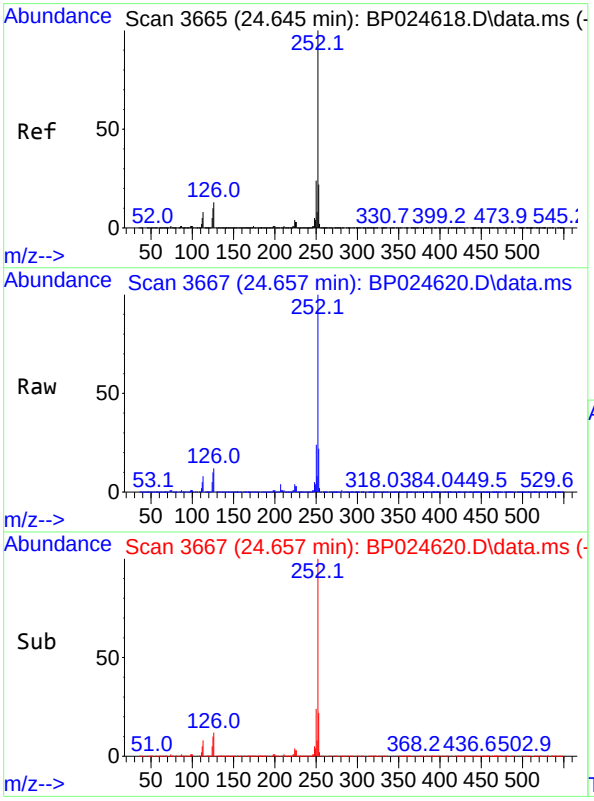
#89
Benzo(k)fluoranthene
Concen: 62.95 ng
RT: 23.845 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 3055252

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.6	7.0	10.4

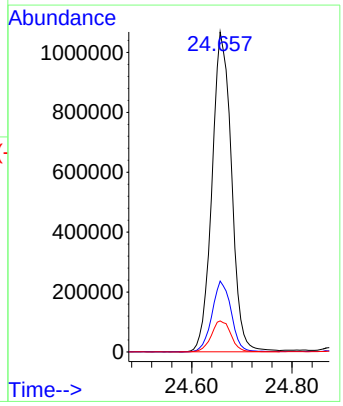


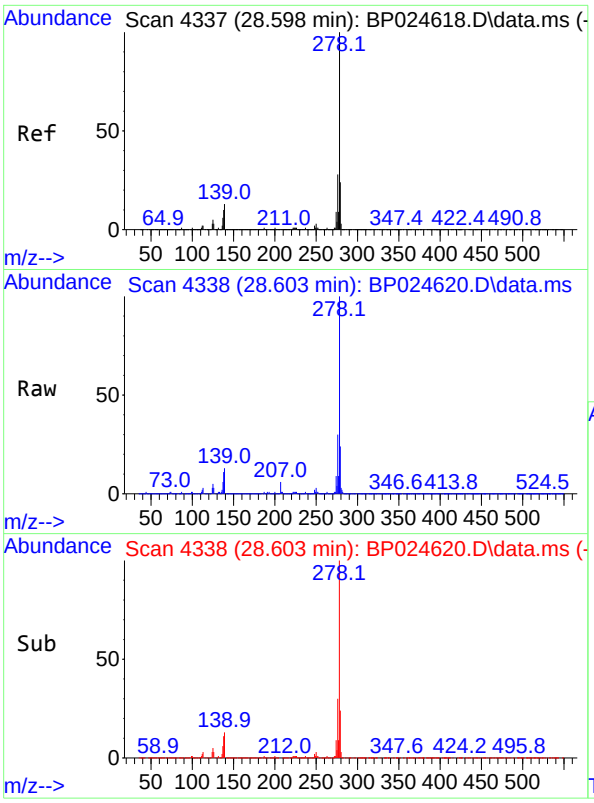


#90
Benzo(a)pyrene
Concen: 63.69 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2881508

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.7	8.1	12.1



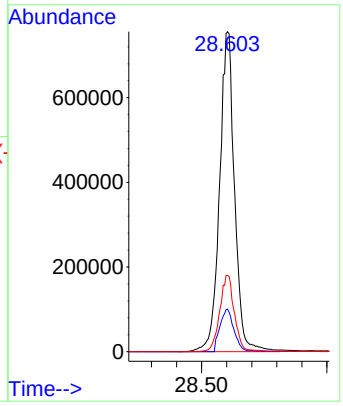


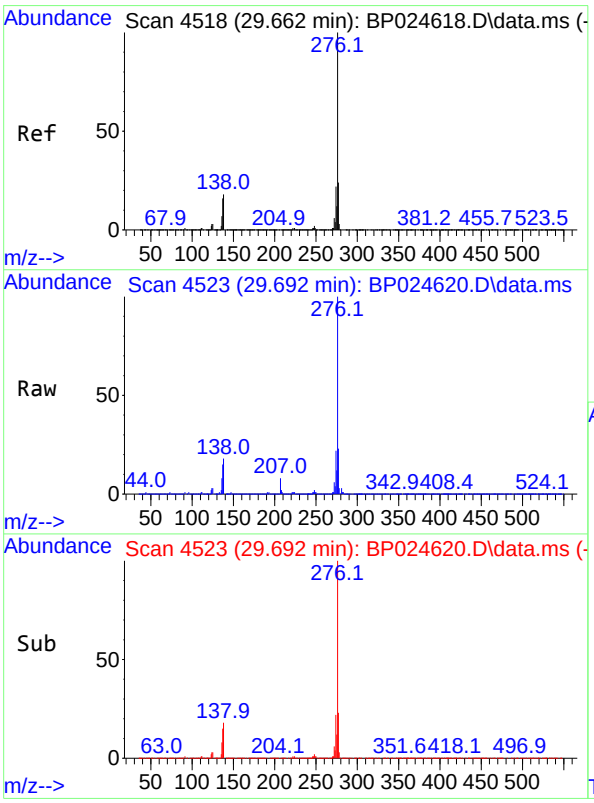
#91
Dibenzo(a,h)anthracene
Concen: 64.20 ng
RT: 28.603 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 3137905

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.4
279	23.8	19.0	28.4

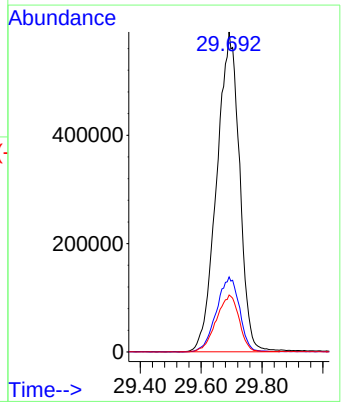




#92
Benzo(g,h,i)perylene
Concen: 63.07 ng
RT: 29.692 min Scan# 4523
Delta R.T. 0.029 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:276 Resp: 3065416

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	17.8	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	134481	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	584325	20.00	ng		0.00
39) Acenaphthene-d10	14.298	164	373575	20.00	ng		0.00
64) Phenanthrene-d10	17.104	188	713479	20.00	ng		0.00
76) Chrysene-d12	21.516	240	765954	20.00	ng		0.00
86) Perylene-d12	24.804	264	877352	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1283582	163.25	ng		0.00
7) Phenol-d6	6.858	99	1670035	166.42	ng		0.00
23) Nitrobenzene-d5	8.822	82	1840183	159.12	ng		0.01
42) 2,4,6-Tribromophenol	15.828	330	1032638	163.05	ng		0.02
45) 2-Fluorobiphenyl	12.910	172	4438179	155.65	ng		0.00
79) Terphenyl-d14	19.816	244	7152255	160.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	275790	74.70	ng		99
3) Pyridine	3.622	79	679364	82.98	ng		98
4) n-Nitrosodimethylamine	3.534	42	289012	79.96	ng		100
6) Aniline	7.005	93	1075238	82.99	ng		100
8) 2-Chlorophenol	7.240	128	740005	82.91	ng		99
9) Benzaldehyde	6.822	77	412028	63.54	ng		100
10) Phenol	6.887	94	859122	82.95	ng		100
11) bis(2-Chloroethyl)ether	7.099	93	670572	78.79	ng		100
12) 1,3-Dichlorobenzene	7.552	146	795953	77.51	ng		100
13) 1,4-Dichlorobenzene	7.699	146	802182	77.67	ng		98
14) 1,2-Dichlorobenzene	8.010	146	779316	77.43	ng		99
15) Benzyl Alcohol	7.910	79	664684	87.16	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	782240	76.75	ng		98
17) 2-Methylphenol	8.110	107	620901	83.58	ng		99
18) Hexachloroethane	8.728	117	306812	77.52	ng		97
19) n-Nitroso-di-n-propyla...	8.469	70	551845	79.50	ng		98
20) 3+4-Methylphenols	8.440	107	852078	84.32	ng		99
22) Acetophenone	8.481	105	1147610	78.62	ng	#	99
24) Nitrobenzene	8.857	77	804153	79.02	ng		98
25) Isophorone	9.381	82	1593235	79.42	ng		100
26) 2-Nitrophenol	9.557	139	442185	88.67	ng		98
27) 2,4-Dimethylphenol	9.628	122	722439	82.17	ng		100
28) bis(2-Chloroethoxy)met...	9.857	93	946615	78.98	ng		99
29) 2,4-Dichlorophenol	10.099	162	721701	84.70	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	755529	78.69	ng		98
31) Naphthalene	10.487	128	2354789	77.77	ng		100
32) Benzoic acid	9.828	122	525308	80.15	ng		99
33) 4-Chloroaniline	10.599	127	1033865	84.61	ng		99
34) Hexachlorobutadiene	10.769	225	481140	77.35	ng		97
35) Caprolactam	11.416	113	257252	83.50	ng		96
36) 4-Chloro-3-methylphenol	11.734	107	838983	80.74	ng		99
37) 2-Methylnaphthalene	12.093	142	1529445	78.01	ng		100
38) 1-Methylnaphthalene	12.322	142	1613775	76.92	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	875750	80.73	ng		100
41) Hexachlorocyclopentadiene	12.446	237	628436	95.54	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	601332	85.58	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	657399	84.05	ng	97
46) 1,1'-Biphenyl	13.122	154	2175624	78.79	ng	100
47) 2-Chloronaphthalene	13.163	162	1662979	78.99	ng	99
48) 2-Nitroaniline	13.375	65	512458	82.22	ng	97
49) Acenaphthylene	14.016	152	2773742	78.73	ng	99
50) Dimethylphthalate	13.763	163	2182359	76.64	ng	100
51) 2,6-Dinitrotoluene	13.887	165	476606	79.26	ng	97
52) Acenaphthene	14.363	154	1572103	77.62	ng	99
53) 3-Nitroaniline	14.222	138	522849	85.15	ng	100
54) 2,4-Dinitrophenol	14.428	184	300458	79.29	ng	98
55) Dibenzofuran	14.704	168	2477374	76.68	ng	99
56) 4-Nitrophenol	14.557	139	409954	77.27	ng	98
57) 2,4-Dinitrotoluene	14.681	165	678287	80.01	ng	97
58) Fluorene	15.363	166	2003709	76.06	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	588947	81.17	ng	98
60) Diethylphthalate	15.145	149	2193488	76.22	ng	99
61) 4-Chlorophenyl-phenyle...	15.363	204	997863	75.96	ng	99
62) 4-Nitroaniline	15.404	138	509582	85.24	ng	99
63) Azobenzene	15.663	77	1858146	75.47	ng	99
65) 4,6-Dinitro-2-methylph...	15.469	198	401011	87.01	ng	98
66) n-Nitrosodiphenylamine	15.587	169	1711679	78.10	ng	99
67) 4-Bromophenyl-phenylether	16.281	248	684619	81.43	ng	98
68) Hexachlorobenzene	16.398	284	856547	80.18	ng	99
69) Atrazine	16.575	200	645877	80.42	ng	99
70) Pentachlorophenol	16.751	266	548492	91.41	ng	99
71) Phenanthrene	17.145	178	3091665	77.95	ng	99
72) Anthracene	17.239	178	3161669	79.23	ng	99
73) Carbazole	17.522	167	2892236	80.08	ng	99
74) Di-n-butylphthalate	18.110	149	3747927	80.68	ng	99
75) Fluoranthene	19.228	202	3629085	78.27	ng	99
77) Benzidine	19.422	184	1678507	79.83	ng	100
78) Pyrene	19.604	202	3747276	81.65	ng	99
80) Butylbenzylphthalate	20.545	149	1741954	85.34	ng	98
81) Benzo(a)anthracene	21.498	228	3829787	79.63	ng	99
82) 3,3'-Dichlorobenzidine	21.422	252	1575691	88.21	ng	100
83) Chrysene	21.569	228	3615014	79.29	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	2577445	85.91	ng	99
85) Di-n-octyl phthalate	22.686	149	4341653	88.50	ng	99
87) Indeno(1,2,3-cd)pyrene	28.515	276	5243999m	81.85	ng	
88) Benzo(b)fluoranthene	23.768	252	4173798	83.11	ng	99
89) Benzo(k)fluoranthene	23.833	252	4160268	80.40	ng	100
90) Benzo(a)pyrene	24.645	252	3988360	82.69	ng	99
91) Dibenzo(a,h)anthracene	28.598	278	4338518	83.26	ng	99
92) Benzo(g,h,i)perylene	29.680	276	4253459	82.08	ng	99

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

ICAL Form

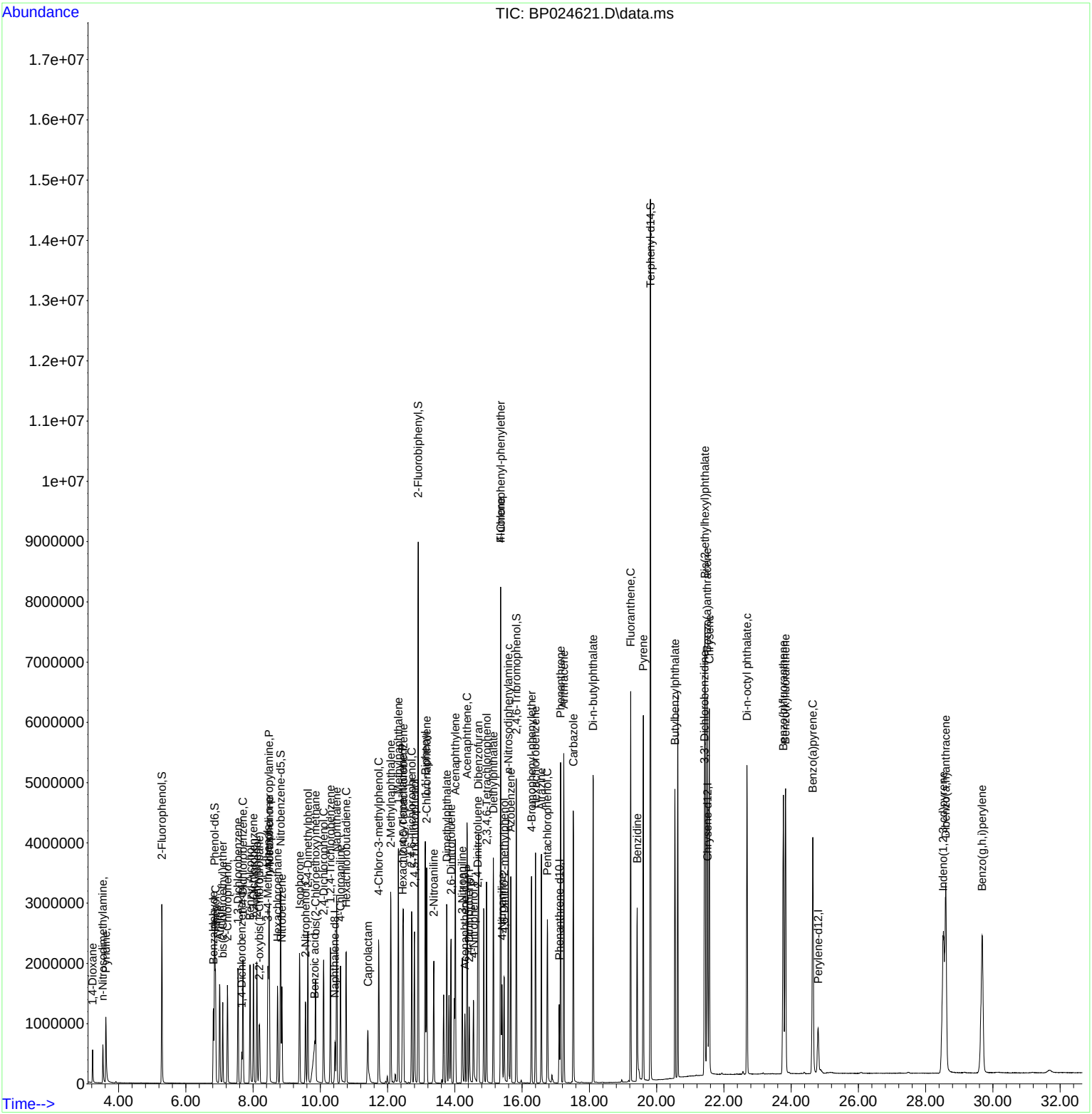
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

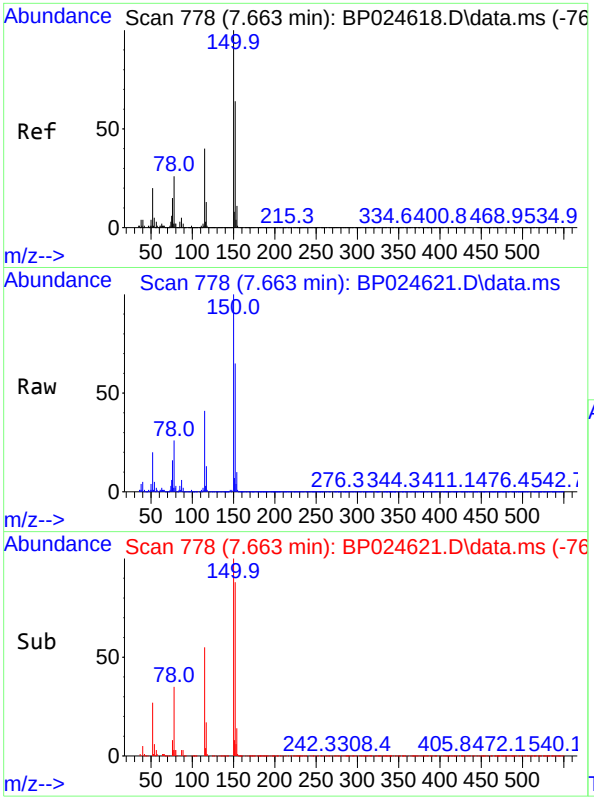
Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

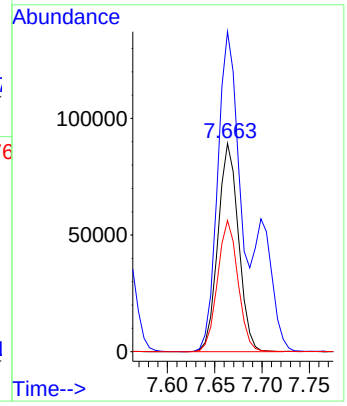




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 13448

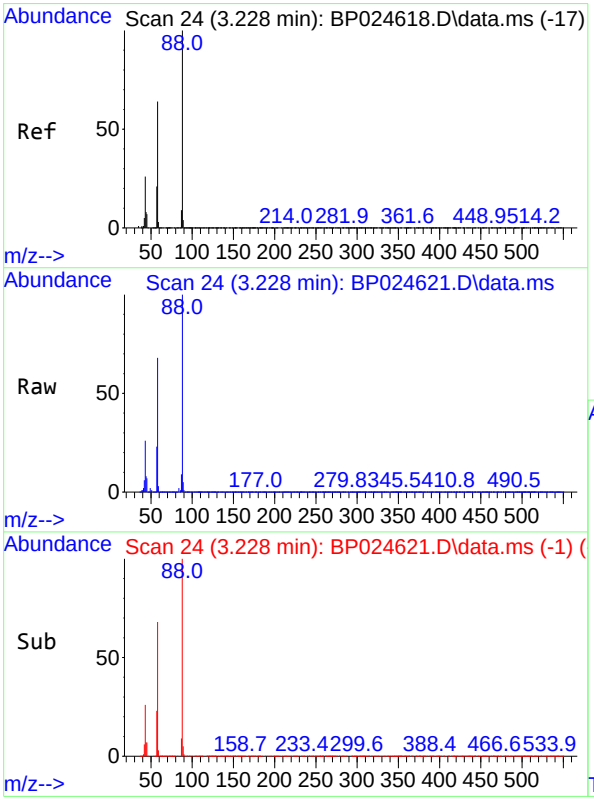
Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.9	188.9
115	63.0	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

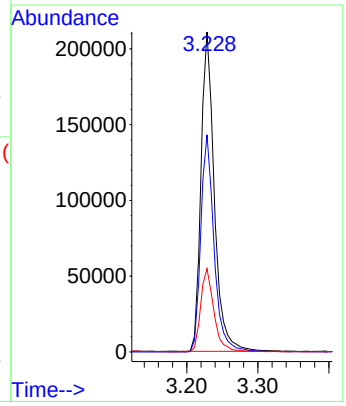
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

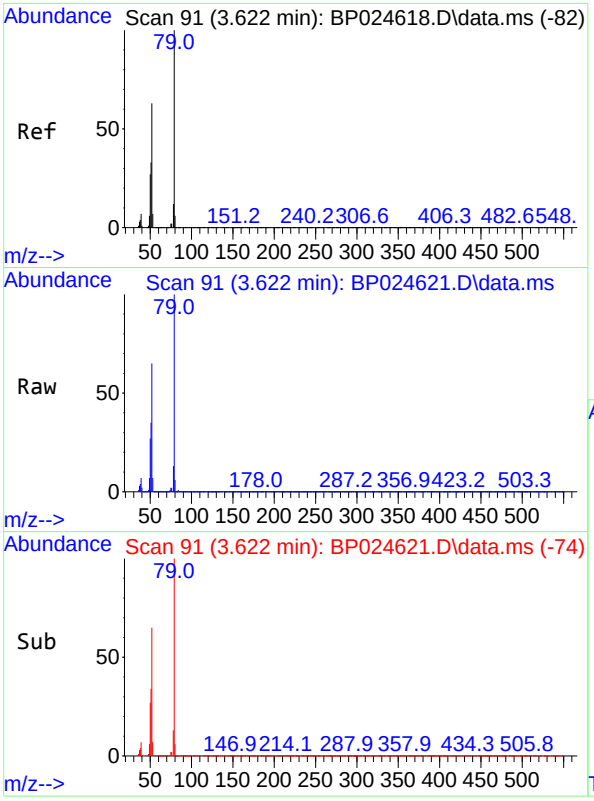


#2
1,4-Dioxane
Concen: 74.70 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 88 Resp: 275790

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.0	81.0
43	26.1	21.4	32.0

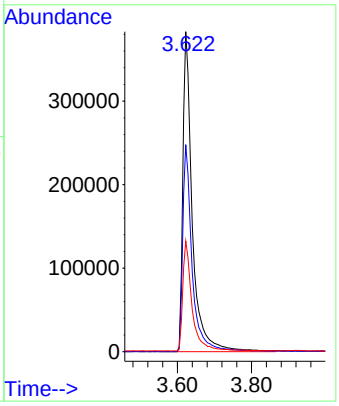




#3
Pyridine
Concen: 82.98 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 79 Resp: 67936

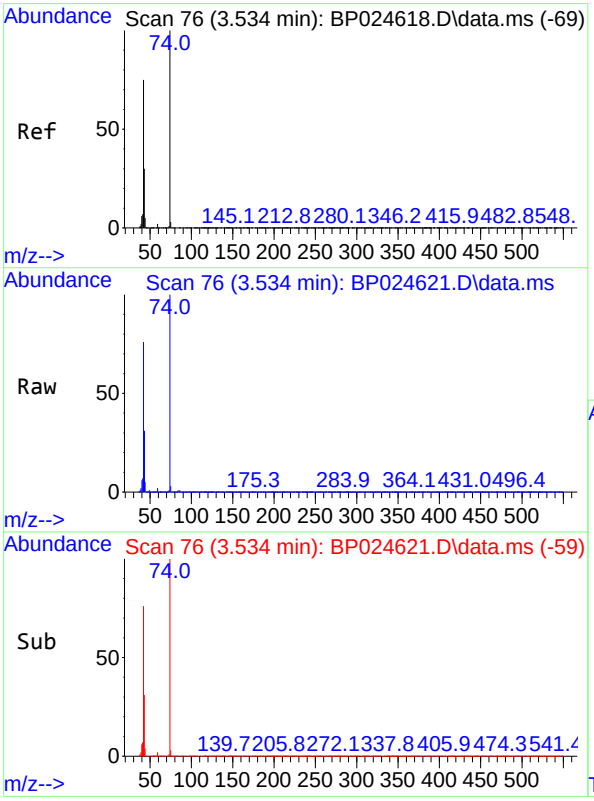
Ion	Ratio	Lower	Upper
79	100		
52	64.7	50.2	75.2
51	34.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

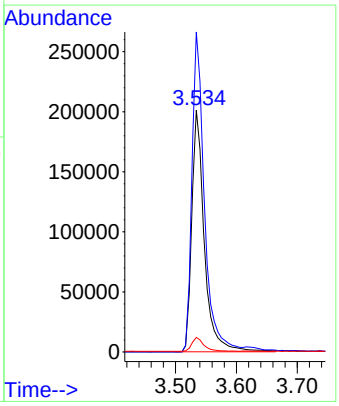
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

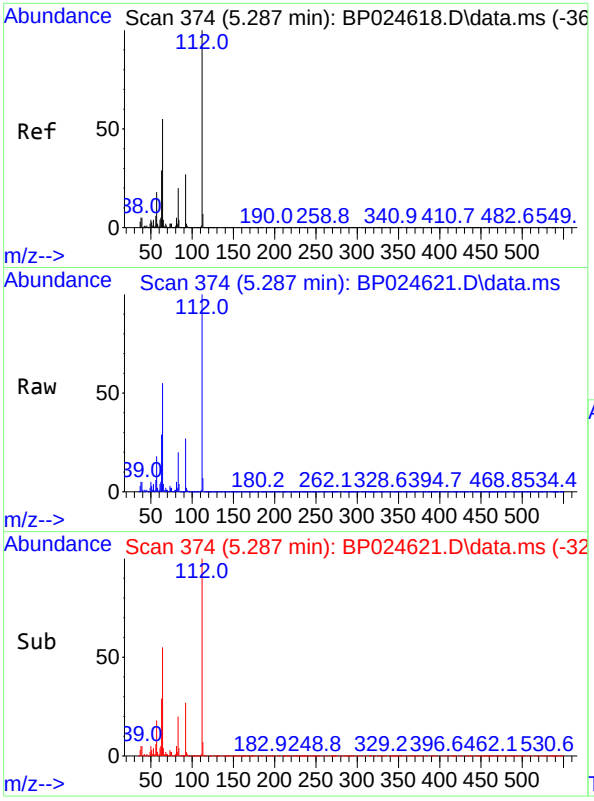


#4
n-Nitrosodimethylamine
Concen: 79.96 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 42 Resp: 289012

Ion	Ratio	Lower	Upper
42	100		
74	132.2	106.2	159.2
44	6.0	5.4	8.2

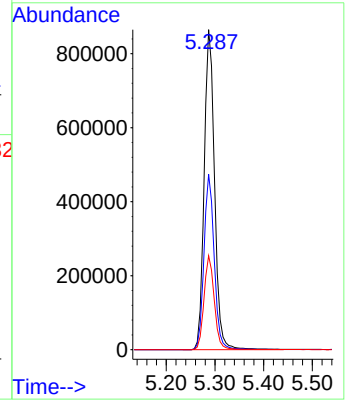




#5
2-Fluorophenol
Concen: 163.25 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:112 Resp: 128358

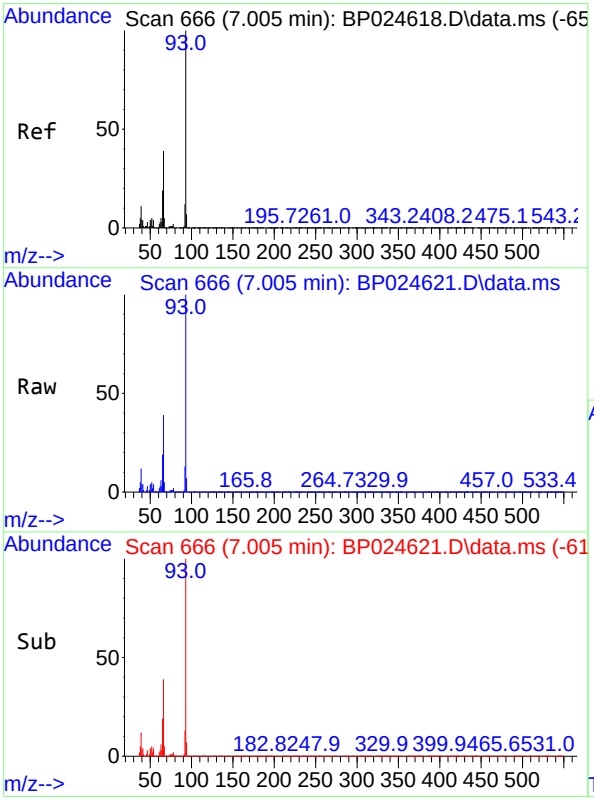
Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

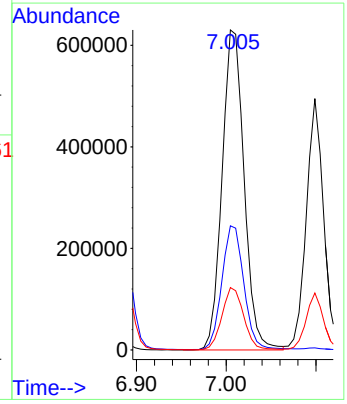
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

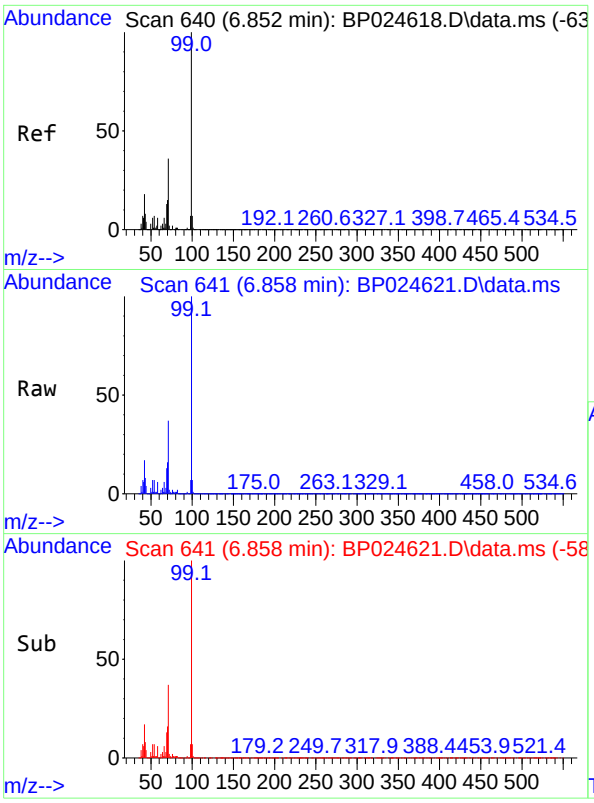


#6
Aniline
Concen: 82.99 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 1075238

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3

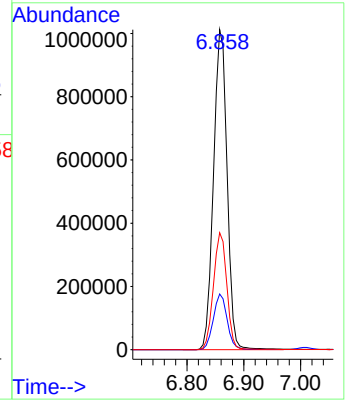




#7
Phenol-d6
Concen: 166.42 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 99 Resp: 167003

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	36.6	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
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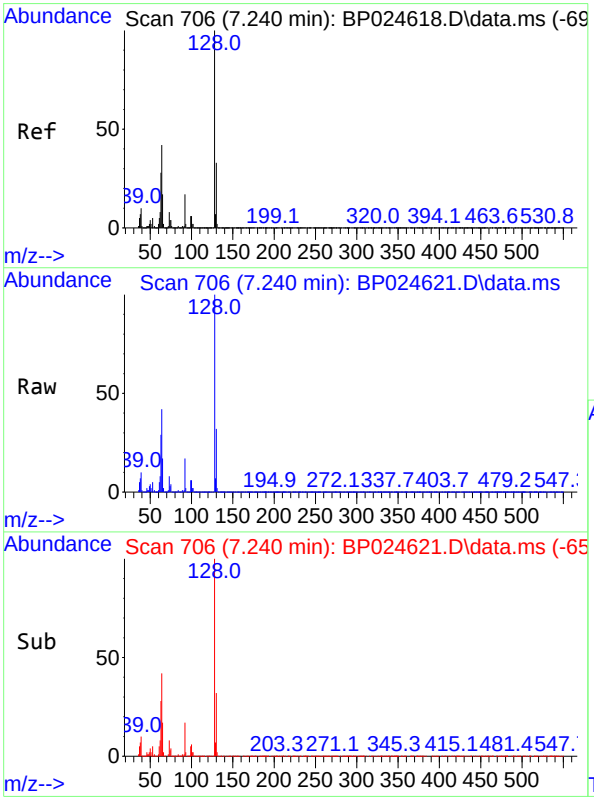
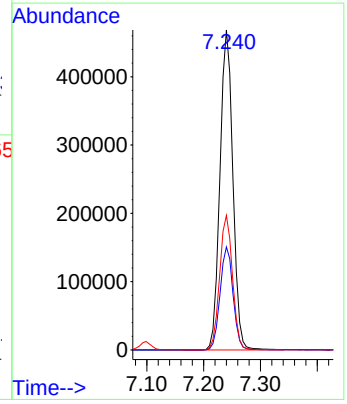
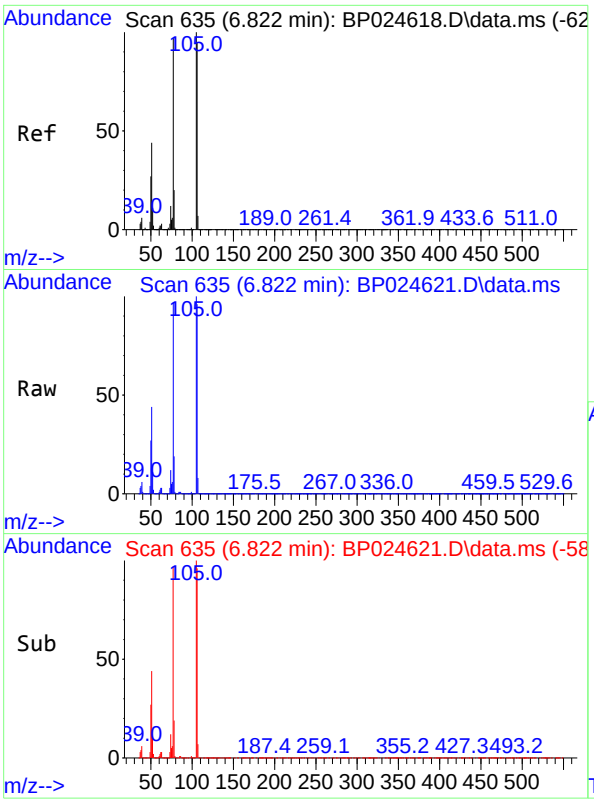


#8
2-Chlorophenol
Concen: 82.91 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 740005

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.0	53.0
64	42.1	22.3	62.3

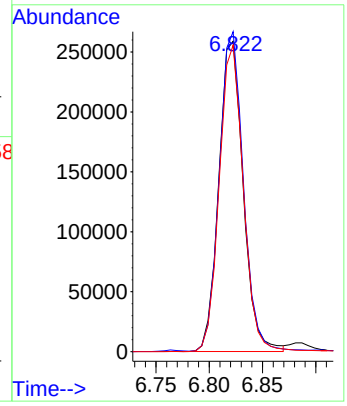




#9
Benzaldehyde
Concen: 63.54 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 41202

Ion	Ratio	Lower	Upper
77	100		
105	103.1	83.3	123.3
106	98.7	78.0	118.0



Instrument :
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ClientSampleId :
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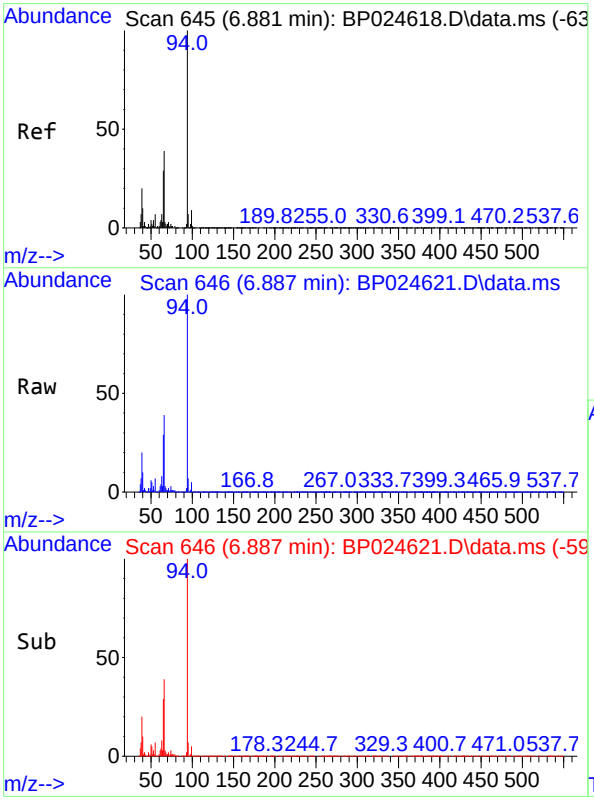
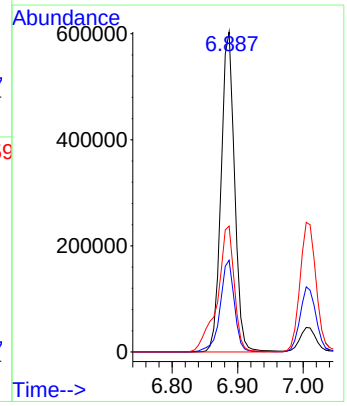
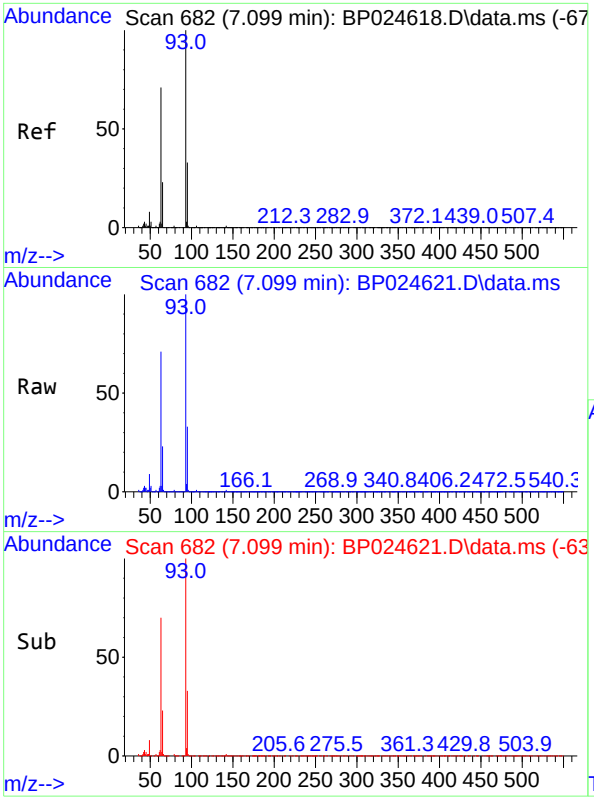


#10
Phenol
Concen: 82.95 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 94 Resp: 859122

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	39.3	19.4	59.4

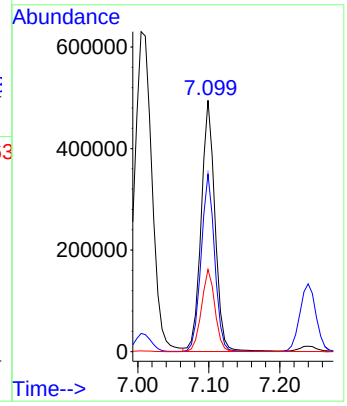




#11
bis(2-Chloroethyl)ether
Concen: 78.79 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 67057

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.7	12.9	52.9



Instrument :
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ClientSampleId :
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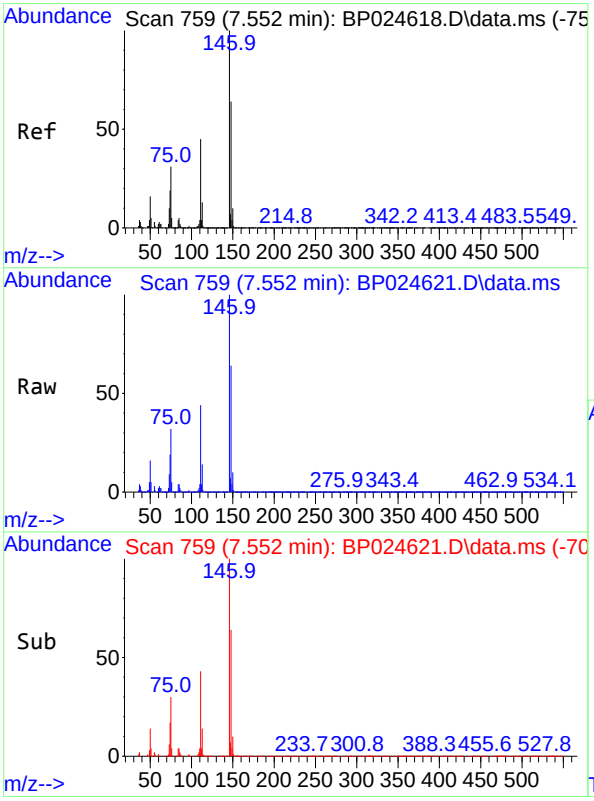
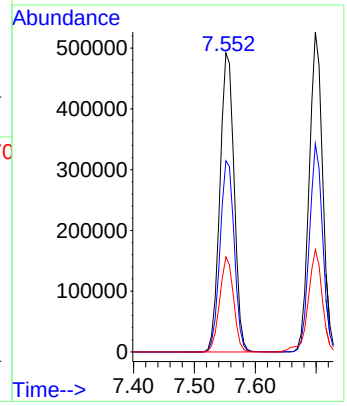
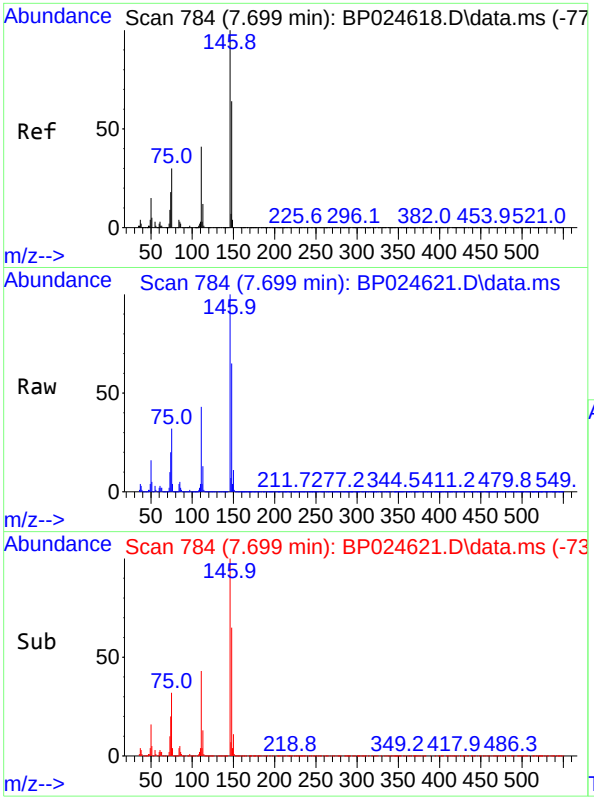


#12
1,3-Dichlorobenzene
Concen: 77.51 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 795953

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	31.8	25.2	37.8

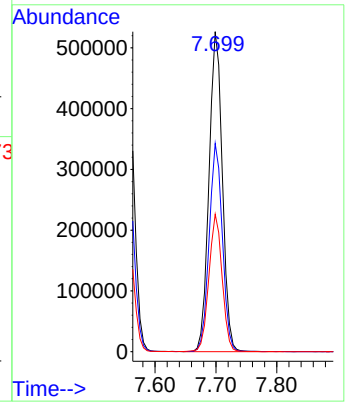




#13
1,4-Dichlorobenzene
Concen: 77.67 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 80218

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	43.0	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
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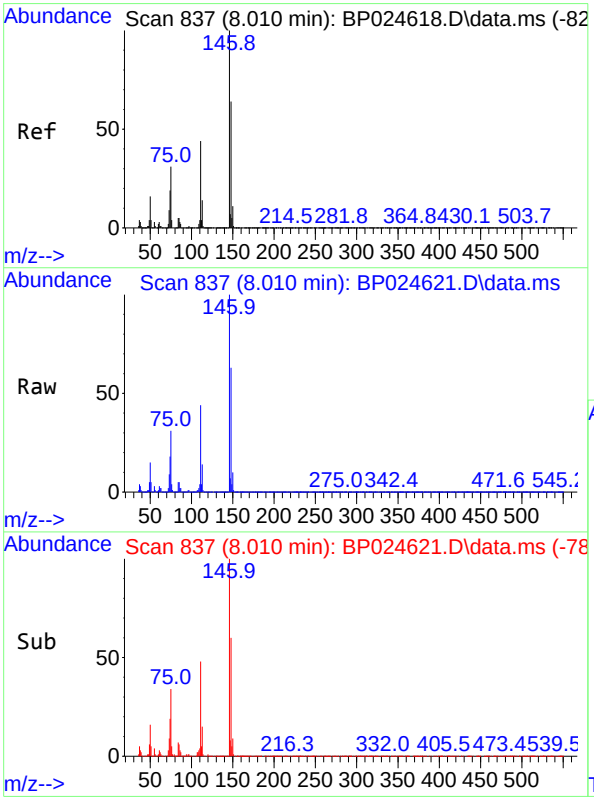
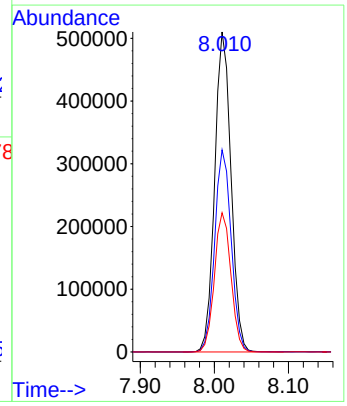
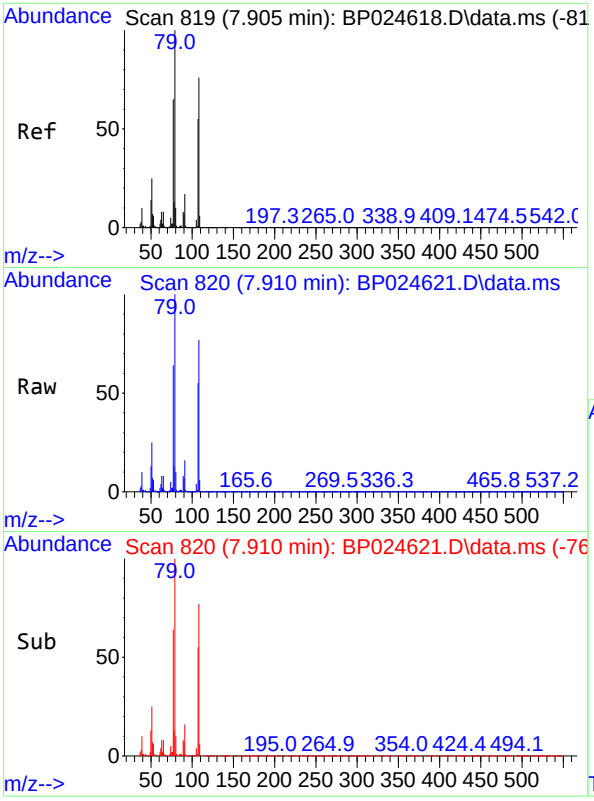


#14
1,2-Dichlorobenzene
Concen: 77.43 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 779316

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	43.5	35.2	52.8





#15
Benzyl Alcohol
Concen: 87.16 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 79 Resp: 66468

Ion	Ratio	Lower	Upper
79	100		
108	76.7	60.8	91.2
77	63.9	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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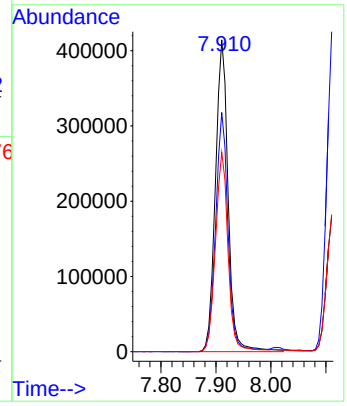
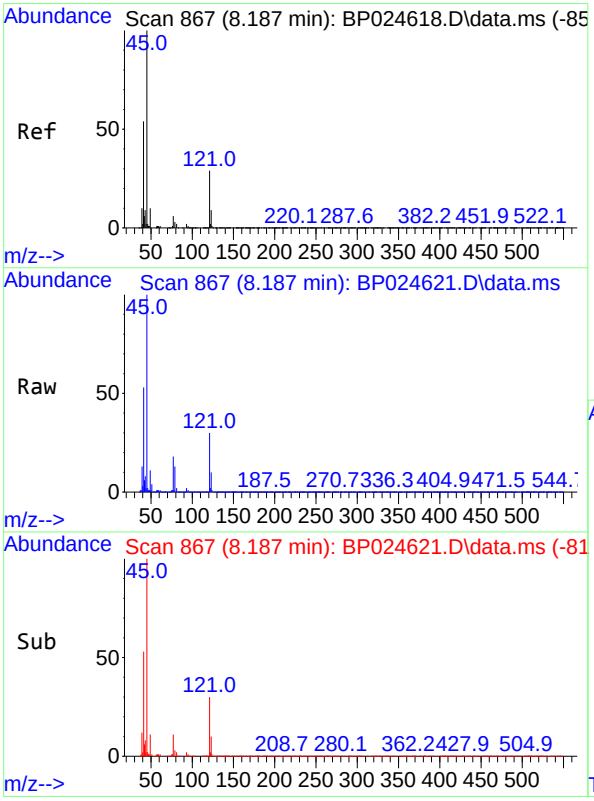
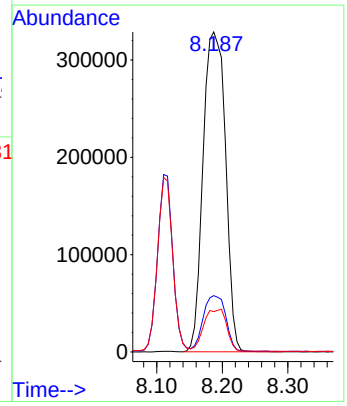


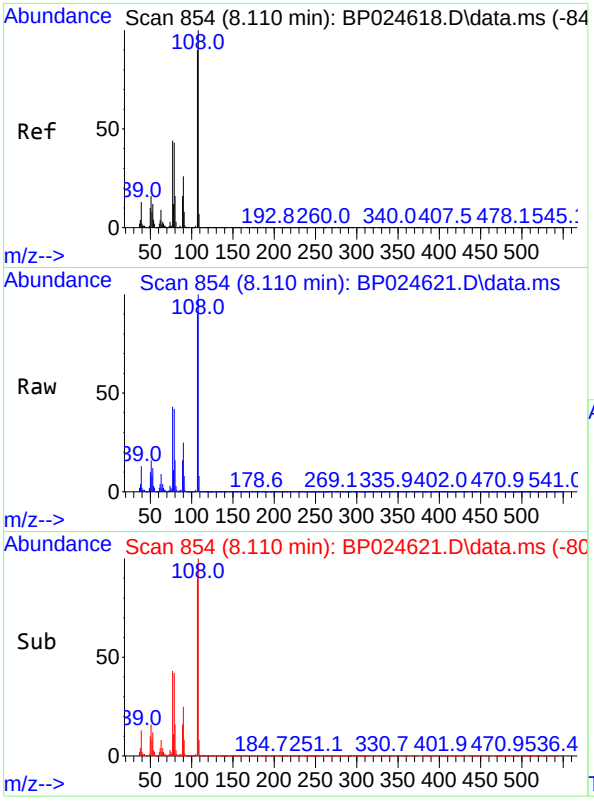


#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.75 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 45 Resp: 782240

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	12.6	0.0	34.0

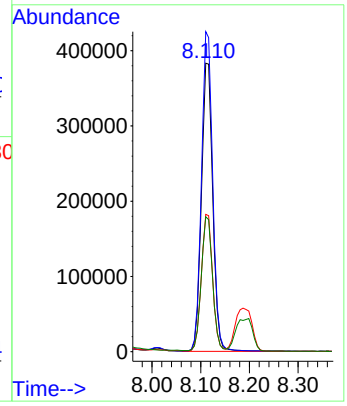




#17
2-Methylphenol
Concen: 83.58 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 62090

Ion	Ratio	Lower	Upper
107	100		
108	110.9	88.9	133.3
77	47.6	39.0	58.6
79	46.7	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
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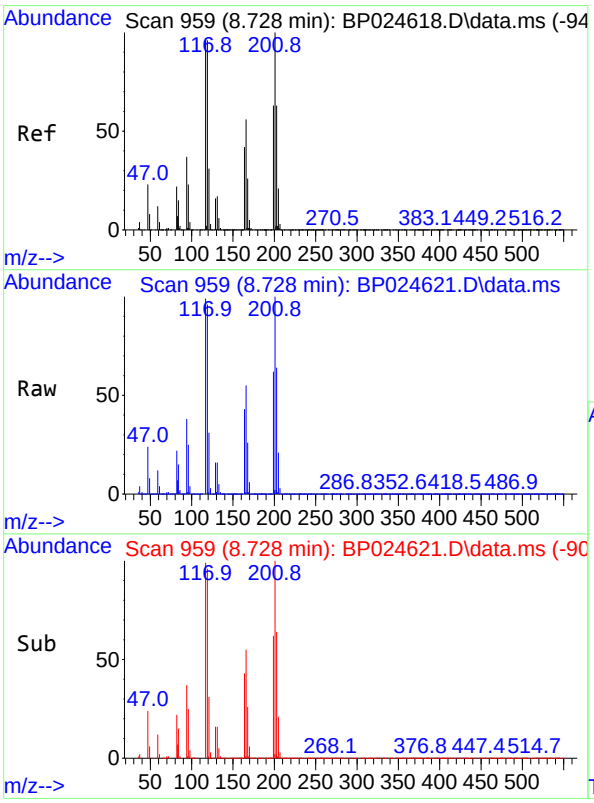
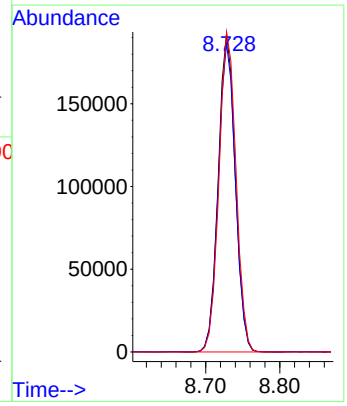
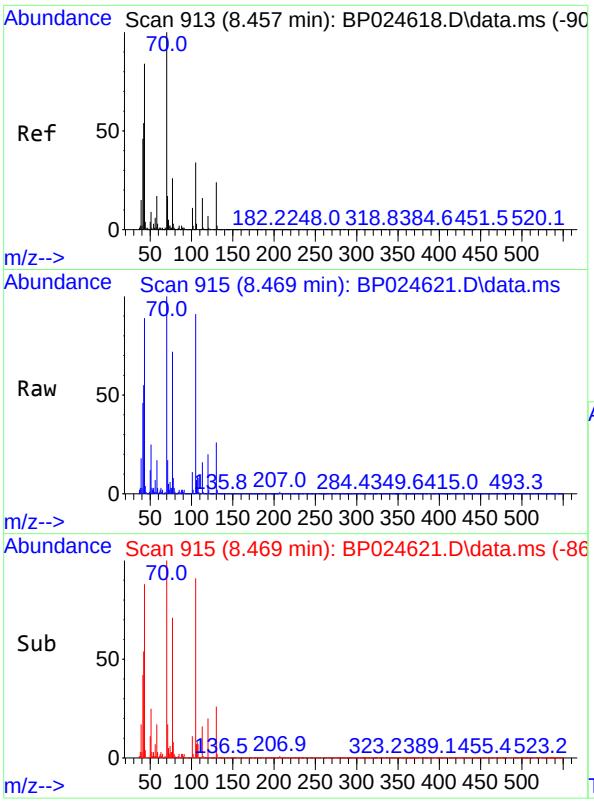


#18
Hexachloroethane
Concen: 77.52 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:117 Resp: 306812

Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.4	119.0
201	100.5	82.7	124.1

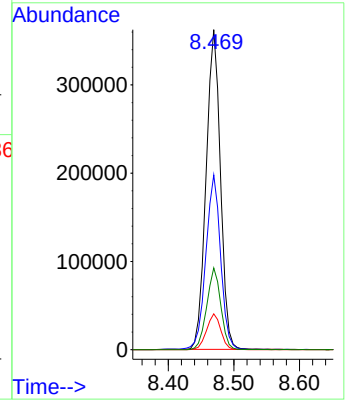




#19
n-Nitroso-di-n-propylamine
Concen: 79.50 ng
RT: 8.469 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 70 Resp: 55184

Ion	Ratio	Lower	Upper
70	100		
42	54.6	43.0	64.6
101	11.2	8.7	13.1
130	25.6	19.4	29.0



Instrument :
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ClientSampleId :
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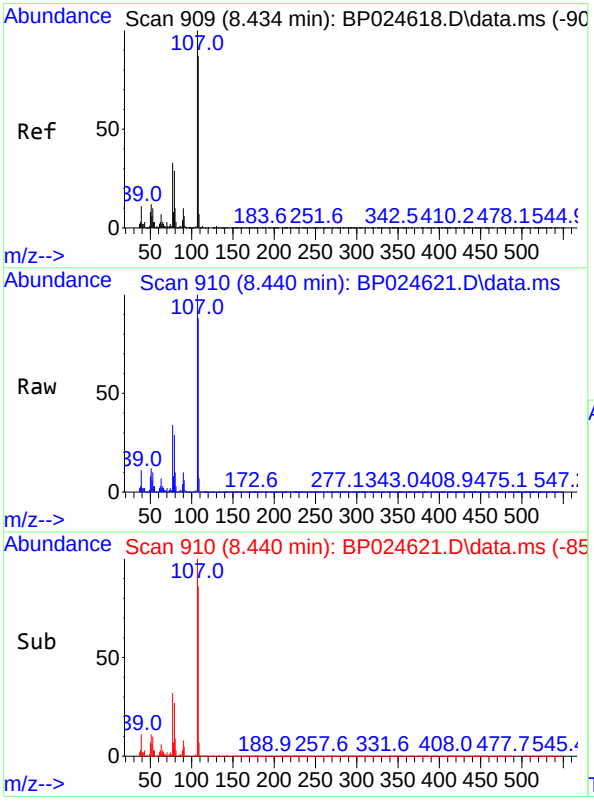
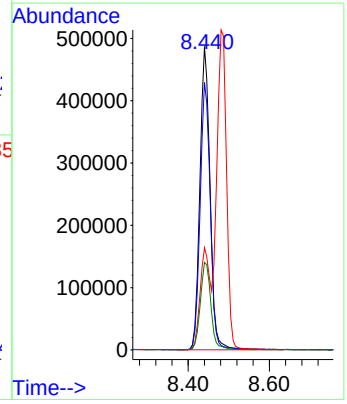
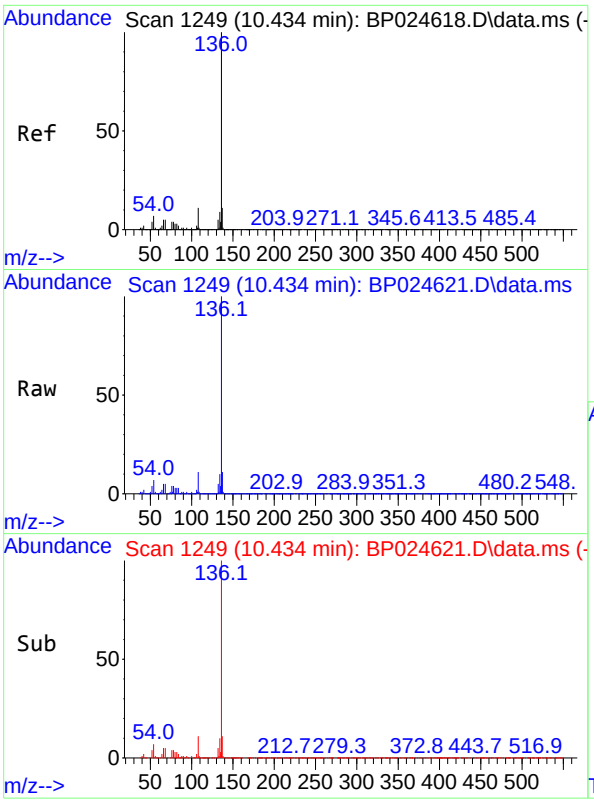


#20
3+4-Methylphenols
Concen: 84.32 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 852078

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.7	13.1	53.1
79	28.8	8.9	48.9

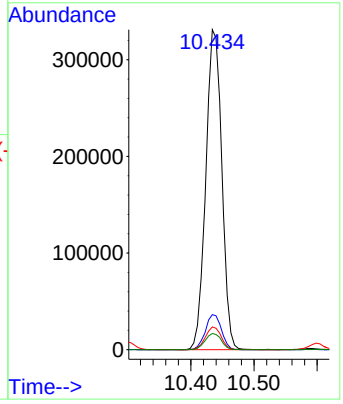




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:136 Resp: 58432

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.5	8.3
68	5.1	4.2	6.2



Instrument :
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ClientSampleId :
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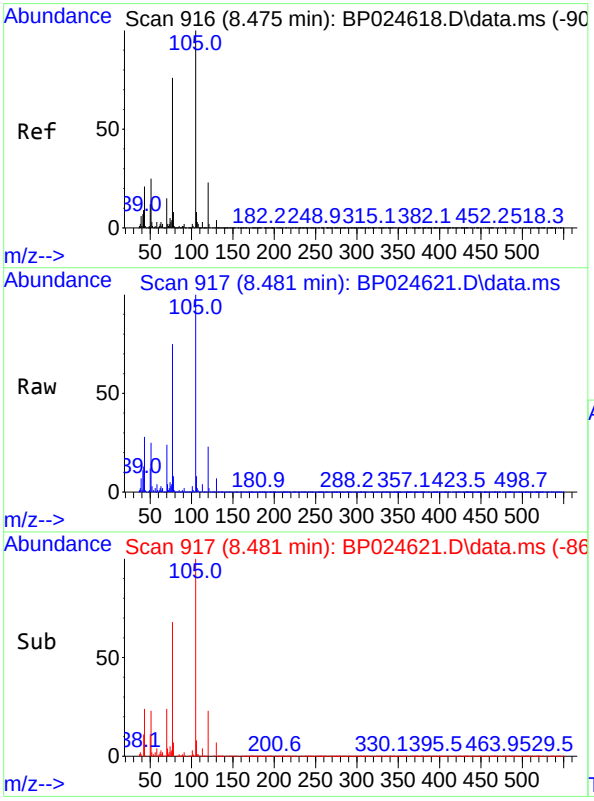
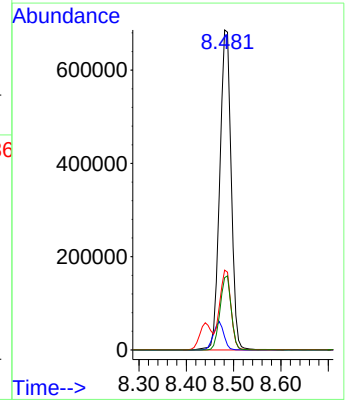
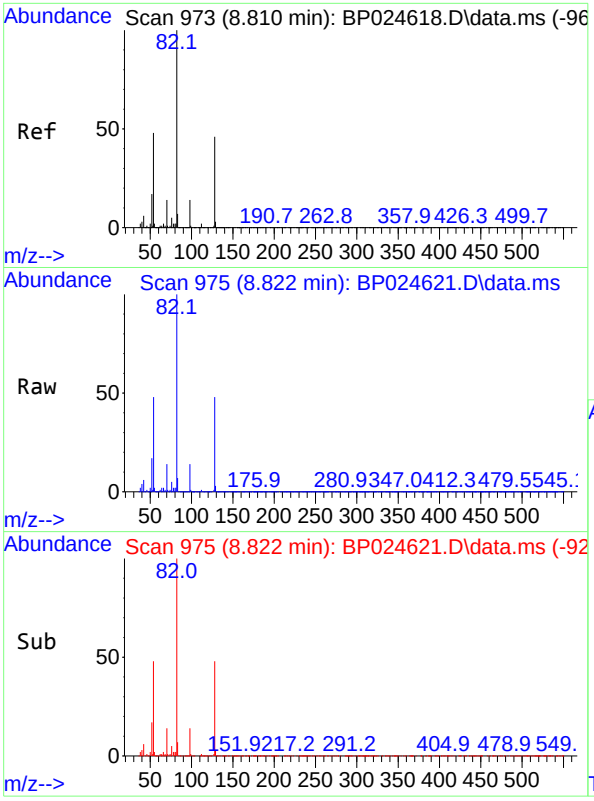


#22
Acetophenone
Concen: 78.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:105 Resp: 1147610

Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.0	3.0#
51	25.0	20.4	30.6
120	22.6	18.1	27.1

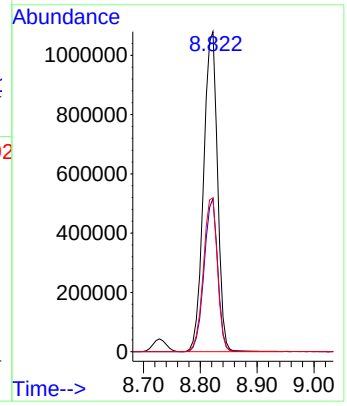




#23
Nitrobenzene-d5
Concen: 159.12 ng
RT: 8.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 184018

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.0	55.4
54	48.0	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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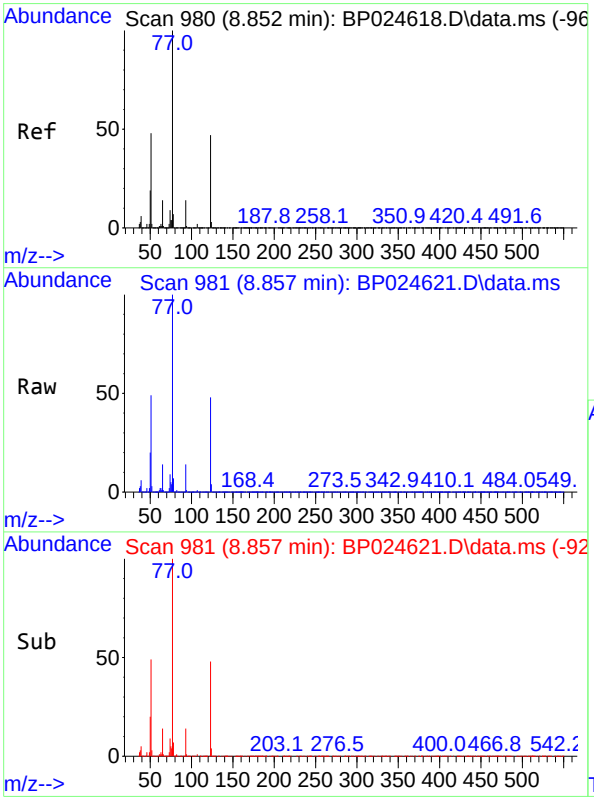
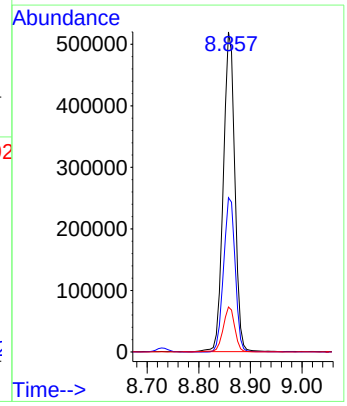
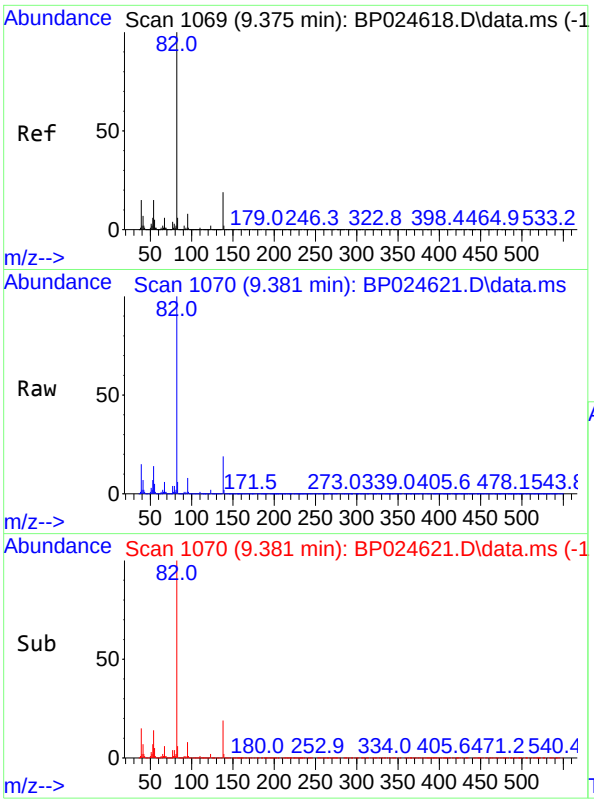


#24
Nitrobenzene
Concen: 79.02 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 804153

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.0
65	14.0	11.3	16.9

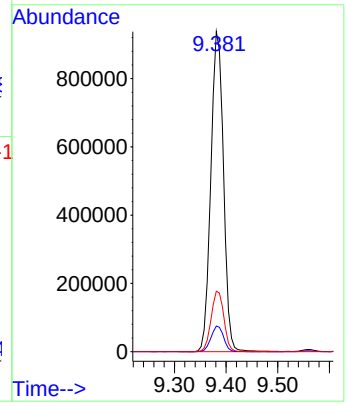




#25
Isophorone
Concen: 79.42 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 159323

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.3	9.5
138	18.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
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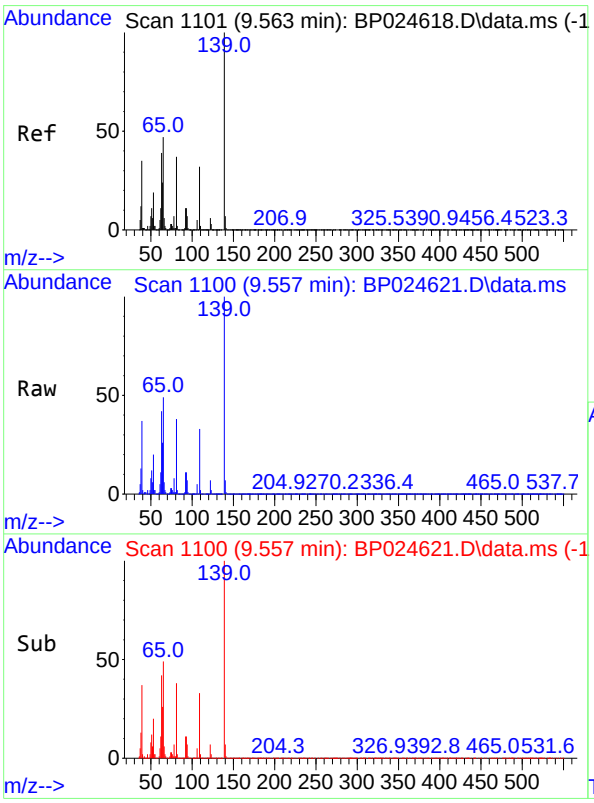
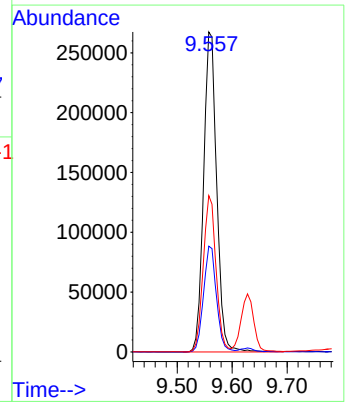
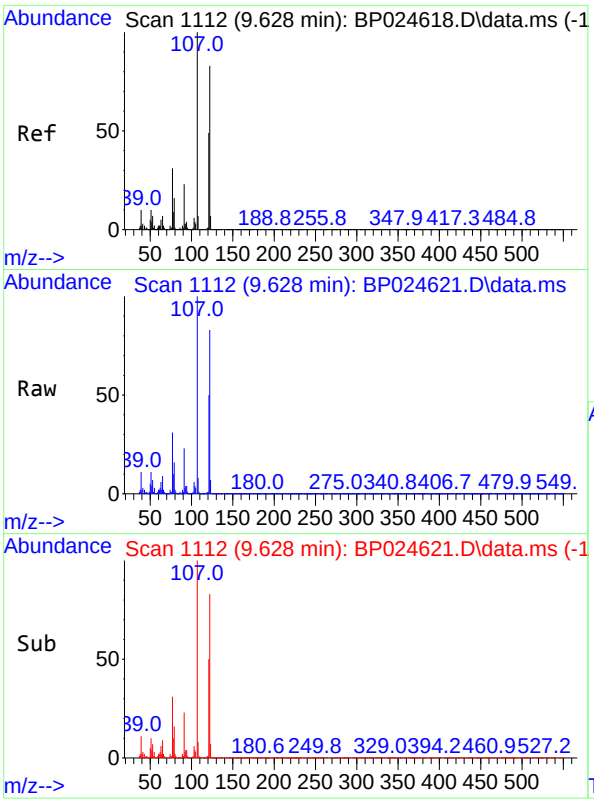


#26
2-Nitrophenol
Concen: 88.67 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 442185

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.9	38.9
65	48.8	37.9	56.9

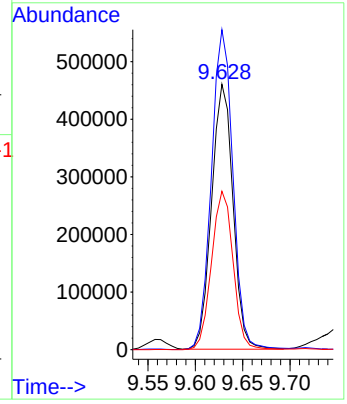




#27
2,4-Dimethylphenol
Concen: 82.17 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 72243

Ion	Ratio	Lower	Upper
122	100		
107	120.6	96.2	144.2
121	59.7	47.6	71.4



Instrument :
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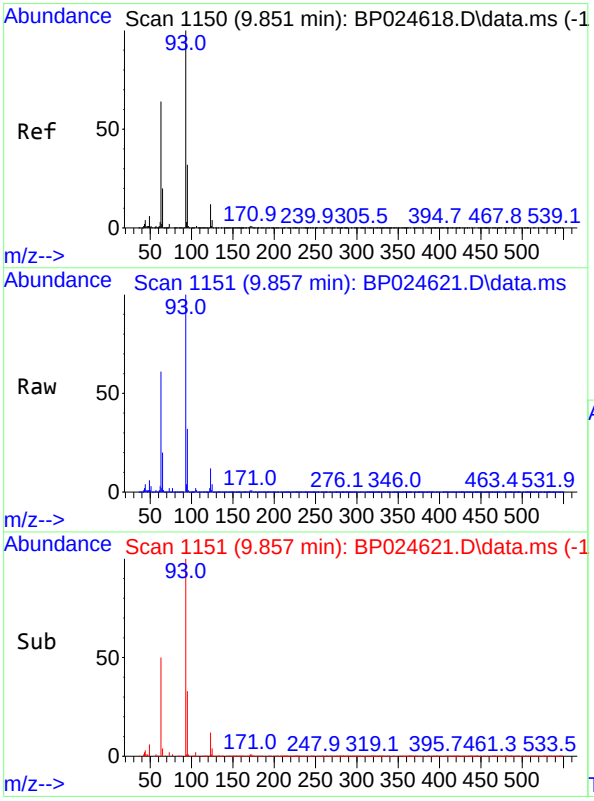
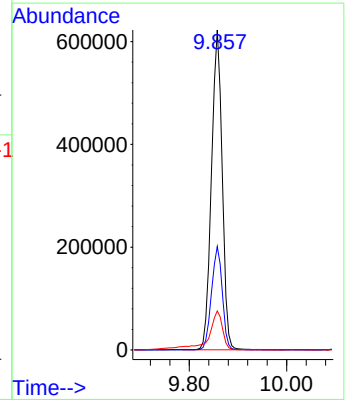
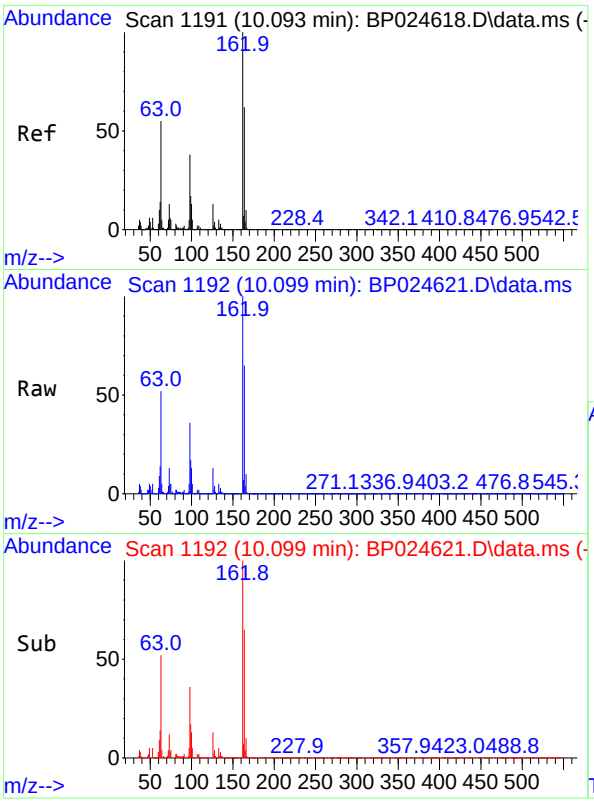


#28
bis(2-Chloroethoxy)methane
Concen: 78.98 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 946615

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	12.2	9.7	14.5

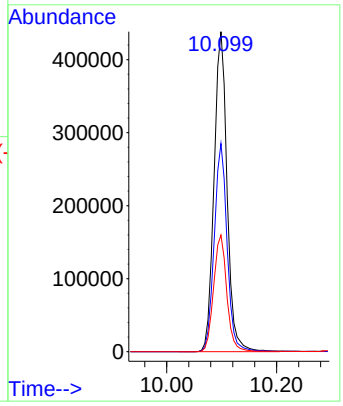




#29
2,4-Dichlorophenol
Concen: 84.70 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 72170

Ion	Ratio	Lower	Upper
162	100		
164	65.1	42.3	82.3
98	36.5	18.4	58.4



Instrument :
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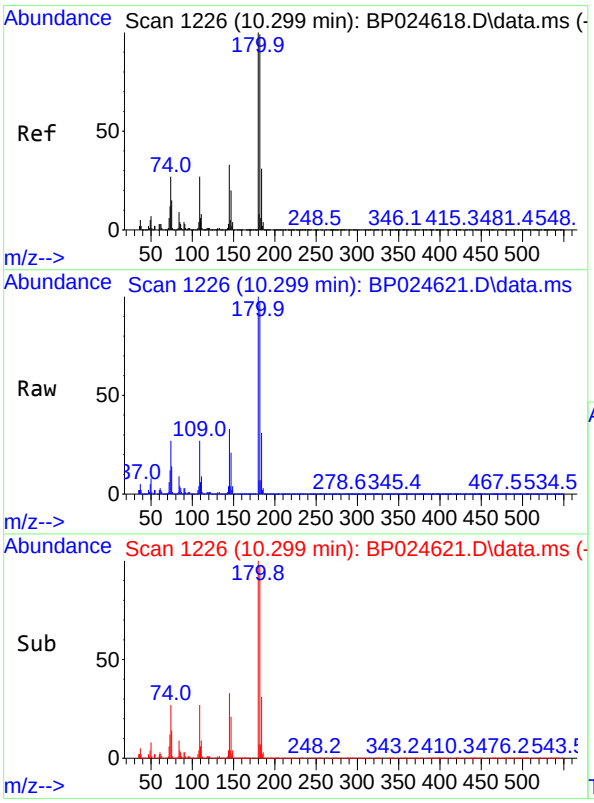
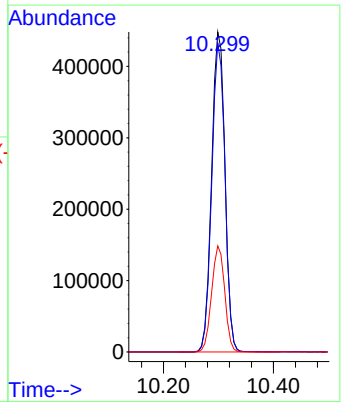
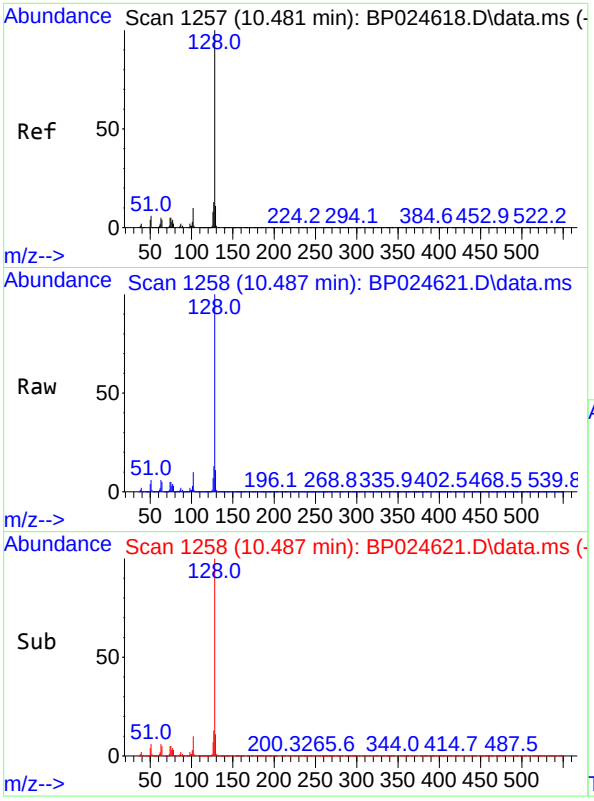


#30
1,2,4-Trichlorobenzene
Concen: 78.69 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:180 Resp: 755529

Ion	Ratio	Lower	Upper
180	100		
182	96.5	79.0	118.4
145	33.1	26.6	39.8

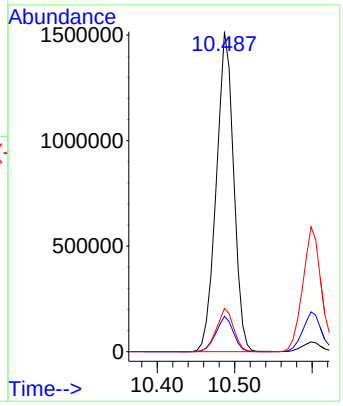




#31
Naphthalene
Concen: 77.77 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 235478

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.7	16.1



Instrument :
BNA_P
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SSTDICC080

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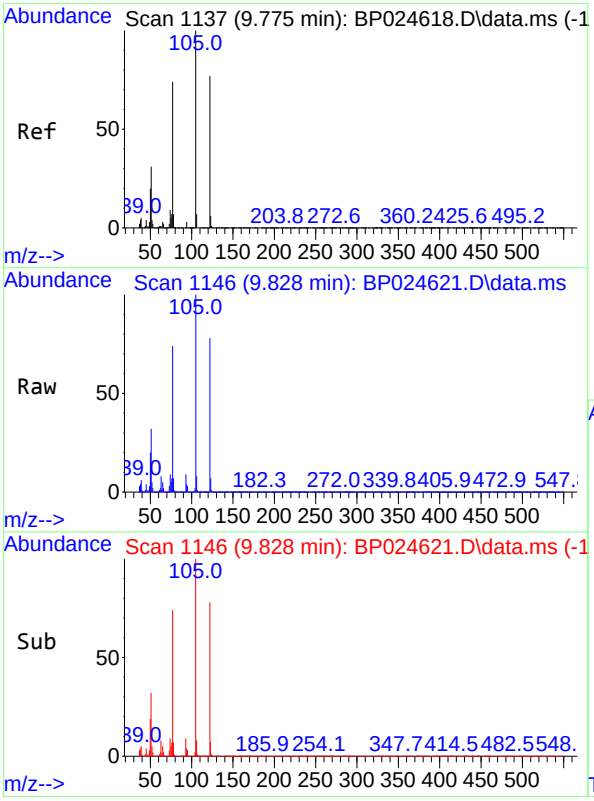
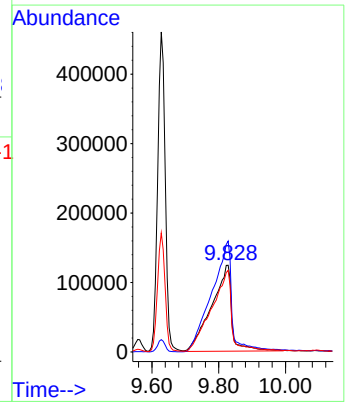
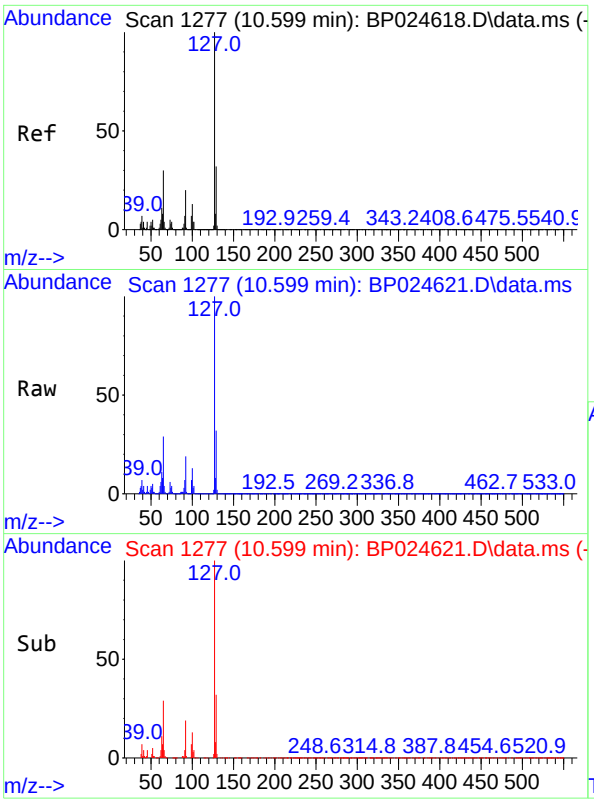


#32
Benzoic acid
Concen: 80.15 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 525308

Ion	Ratio	Lower	Upper
122	100		
105	127.9	106.9	146.9
77	94.2	75.1	115.1

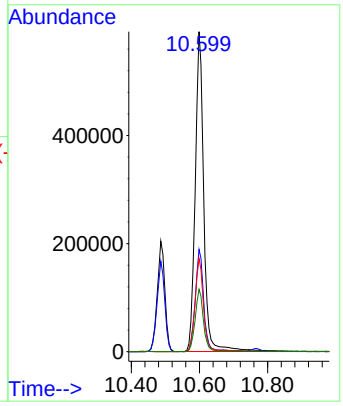




#33
4-Chloroaniline
Concen: 84.61 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:127 Resp: 103386

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.1	23.9	35.9
92	19.5	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
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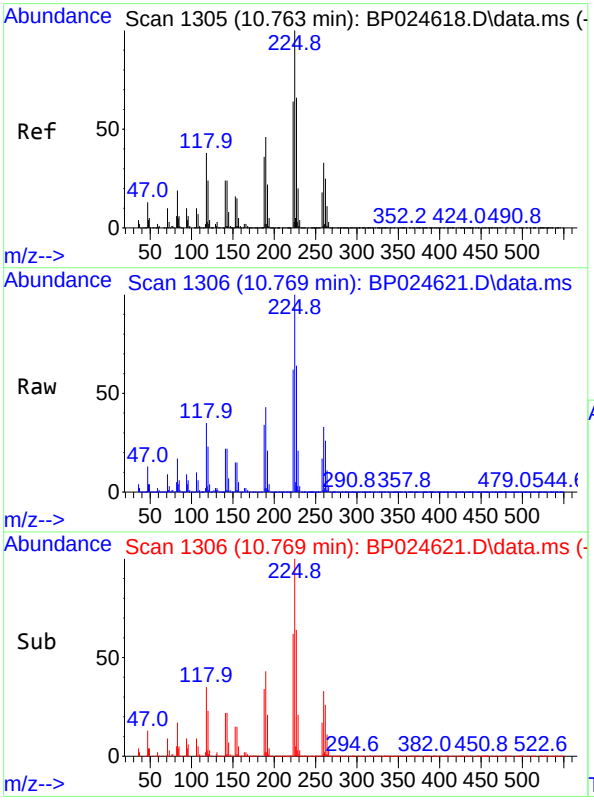
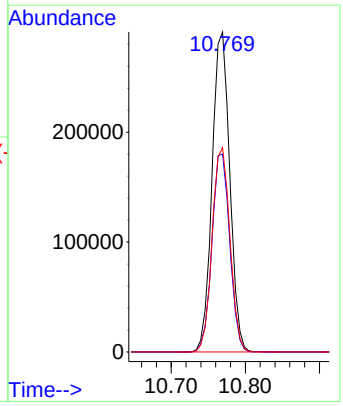
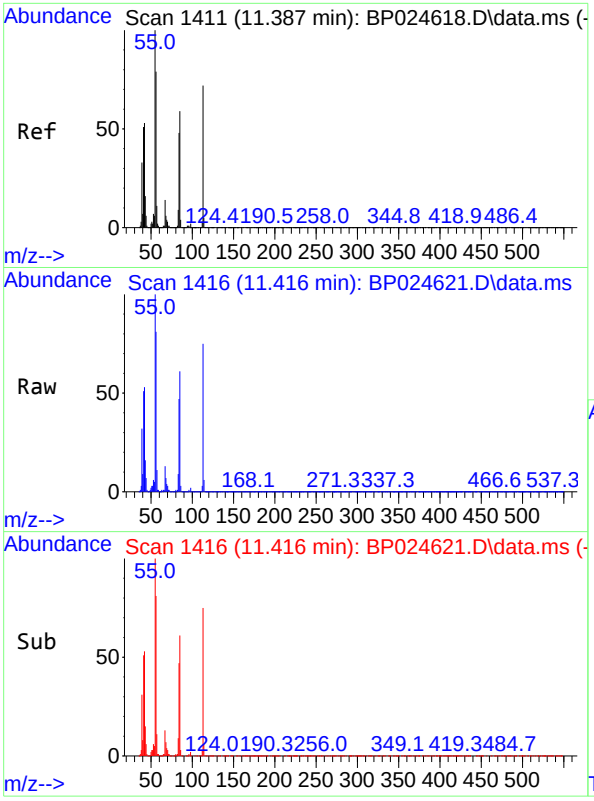


#34
Hexachlorobutadiene
Concen: 77.35 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:225 Resp: 481140

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	63.8	53.1	79.7





#35
Caprolactam
Concen: 83.50 ng
RT: 11.416 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:113 Resp: 25725

Ion	Ratio	Lower	Upper
113	100		
55	133.3	119.0	159.0
56	107.8	90.3	130.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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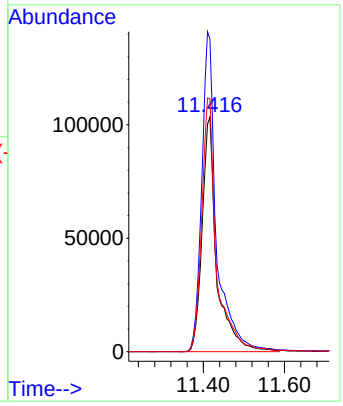
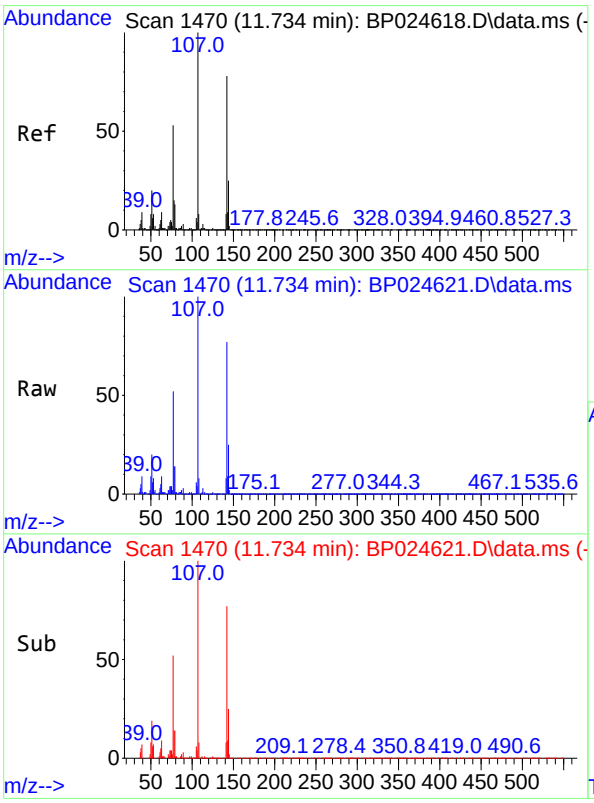
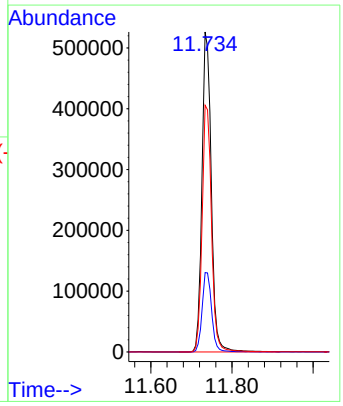


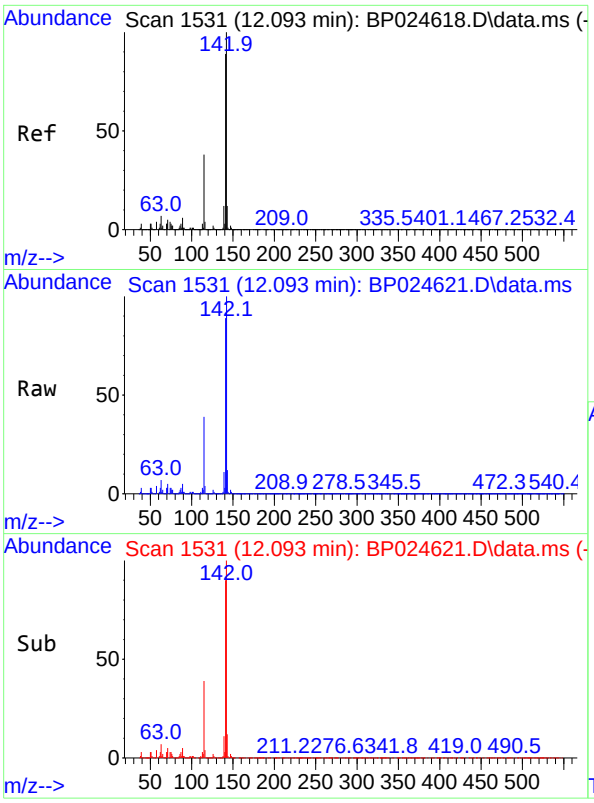


#36
4-Chloro-3-methylphenol
Concen: 80.74 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 838983

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.1	30.1
142	77.1	62.1	93.1





#37
2-Methylnaphthalene
Concen: 78.01 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 152944

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8
115	38.5	30.6	46.0

Instrument :
BNA_P
ClientSampleId :
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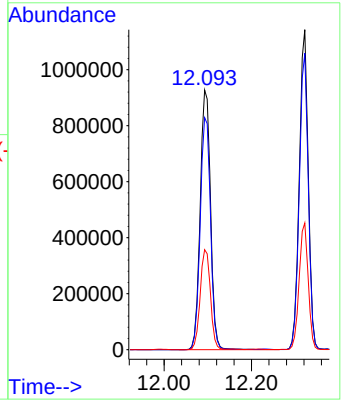
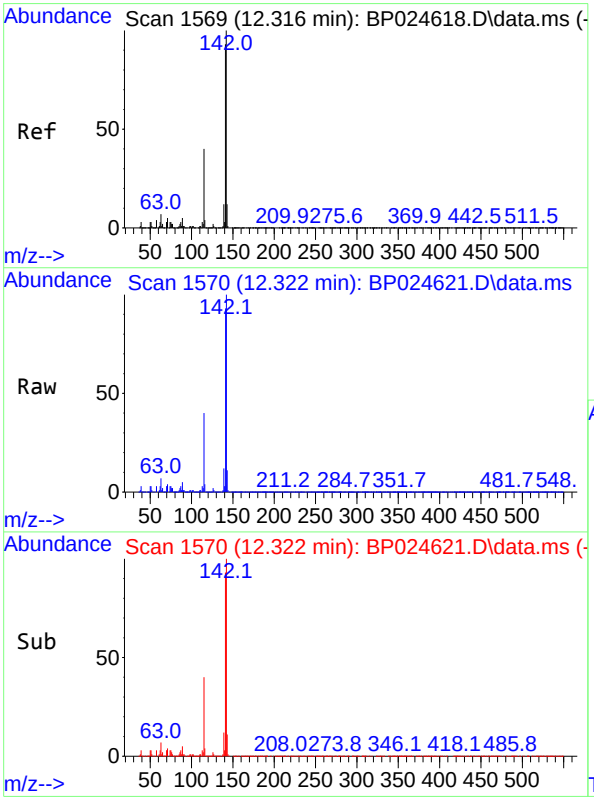
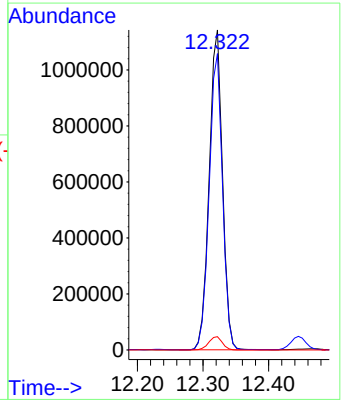


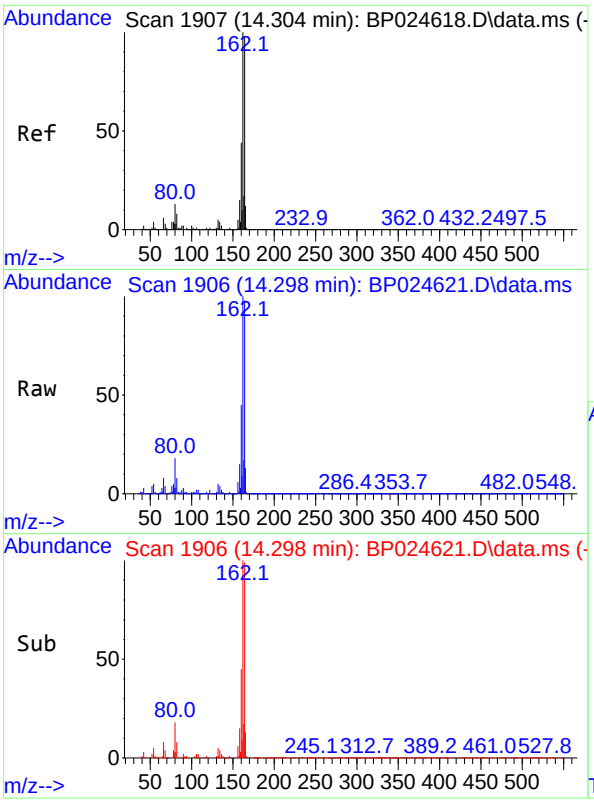


#38
1-Methylnaphthalene
Concen: 76.92 ng
RT: 12.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 1613775

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.1	3.4	5.2

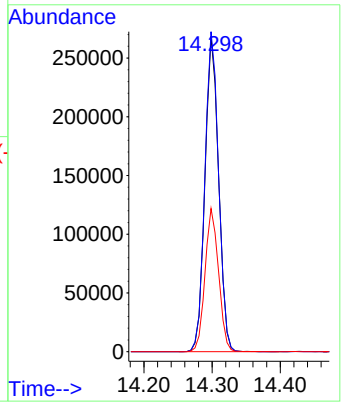




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:164 Resp: 37357

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	45.5	36.3	54.5



Instrument :
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ClientSampleId :
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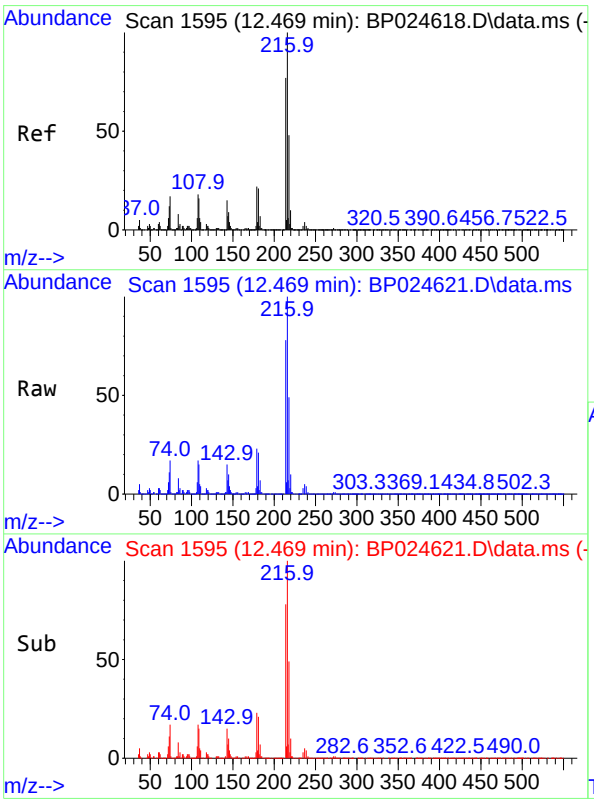
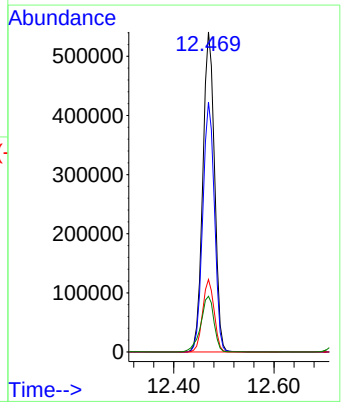
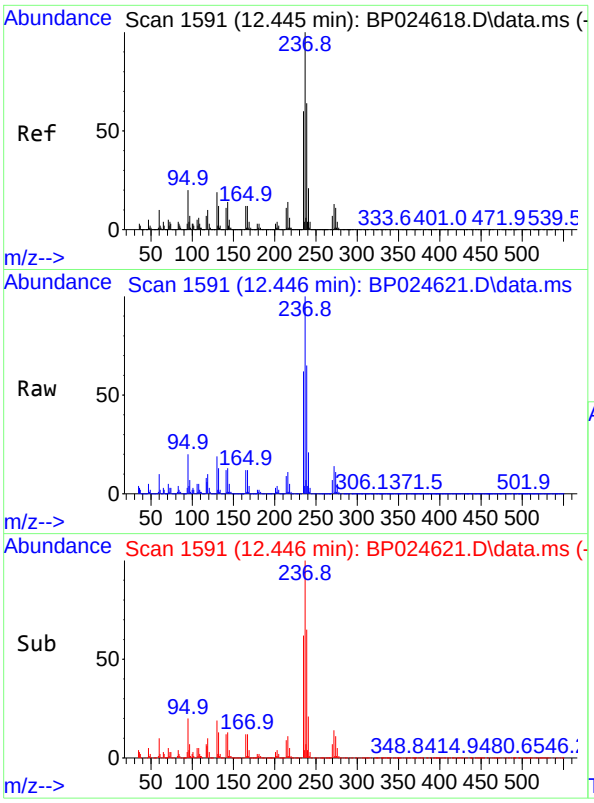


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.73 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:216 Resp: 875750

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.4	17.7	26.5
108	19.6	16.0	24.0

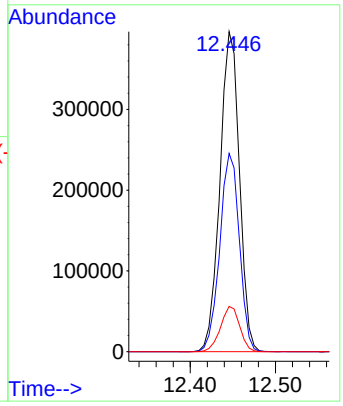




#41
Hexachlorocyclopentadiene
Concen: 95.54 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:237 Resp: 62843

Ion	Ratio	Lower	Upper
237	100		
235	61.9	39.9	79.9
272	14.1	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
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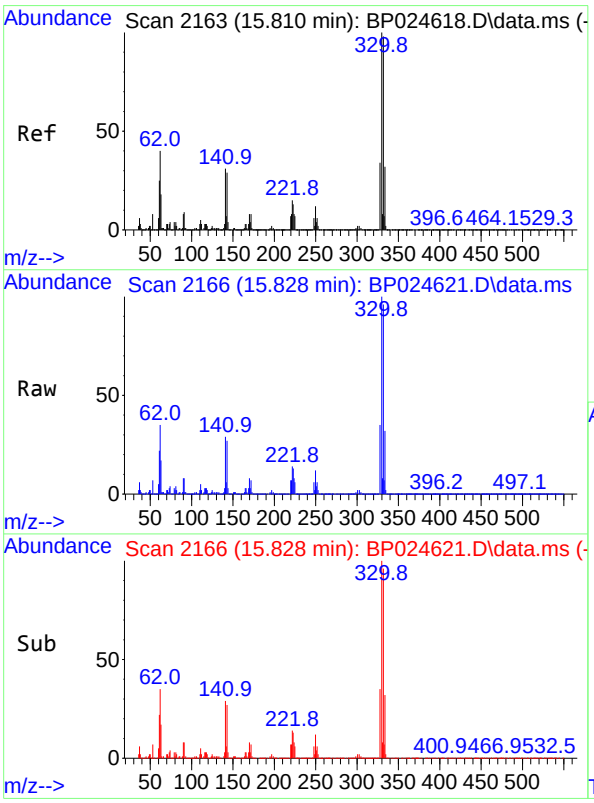
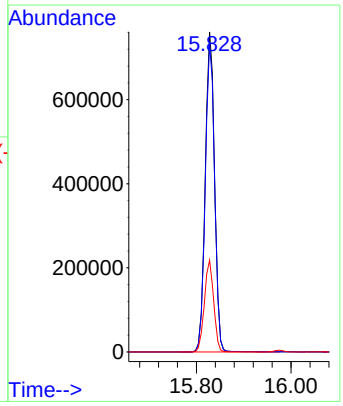
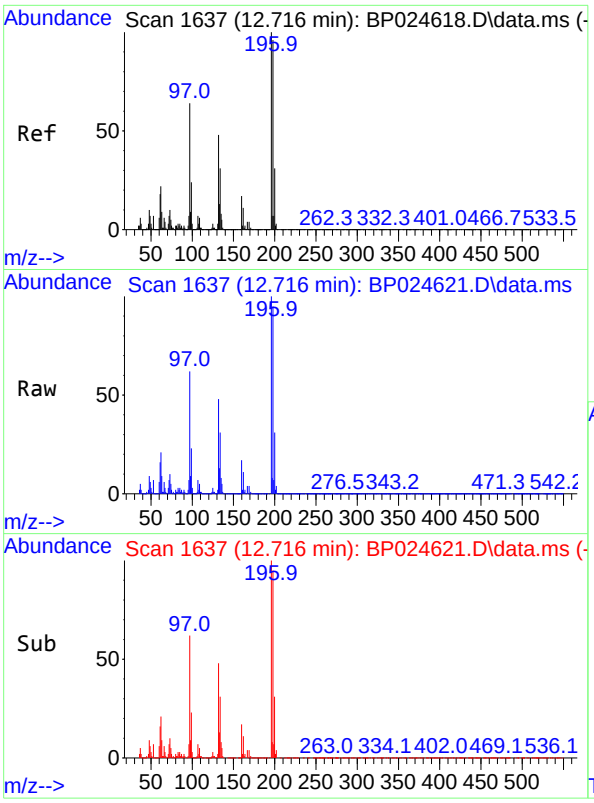


#42
2,4,6-Tribromophenol
Concen: 163.05 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:330 Resp: 1032638

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.4
141	28.8	24.3	36.5

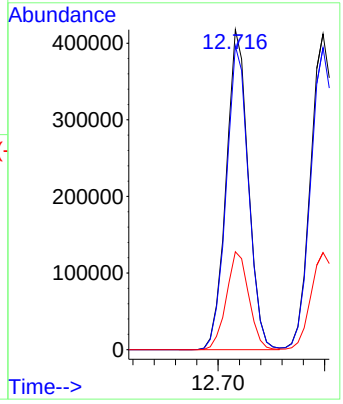




#43
2,4,6-Trichlorophenol
Concen: 85.58 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 60133

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.9	115.3
200	30.6	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
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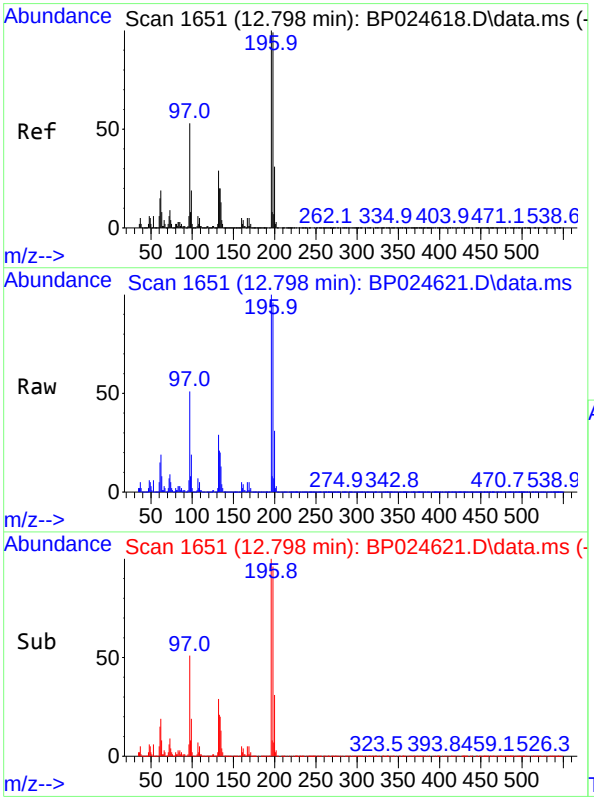
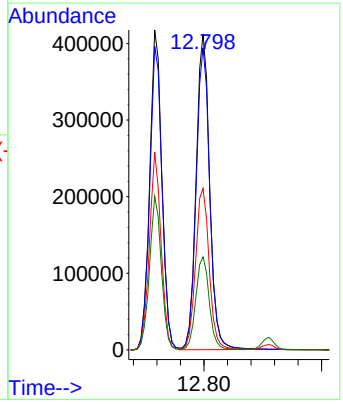
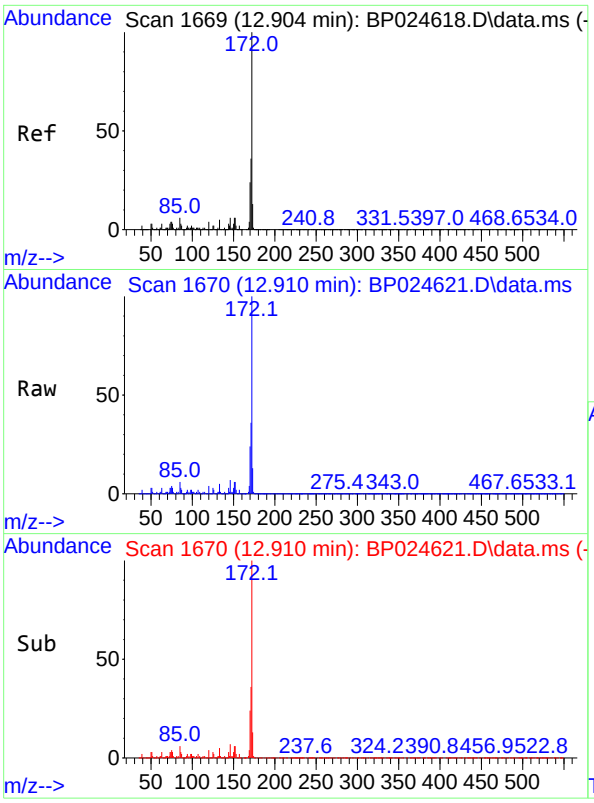


#44
2,4,5-Trichlorophenol
Concen: 84.05 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 657399

Ion	Ratio	Lower	Upper
196	100		
198	95.7	79.2	118.8
97	51.1	42.3	63.5
132	29.5	23.3	34.9

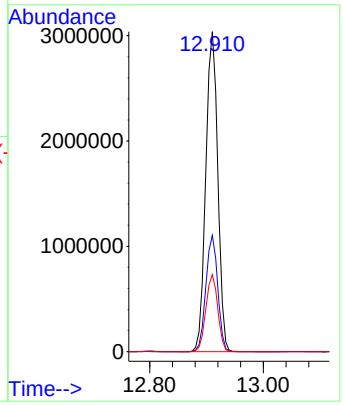




#45
2-Fluorobiphenyl
Concen: 155.65 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:172 Resp: 443817

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	24.1	18.8	28.2



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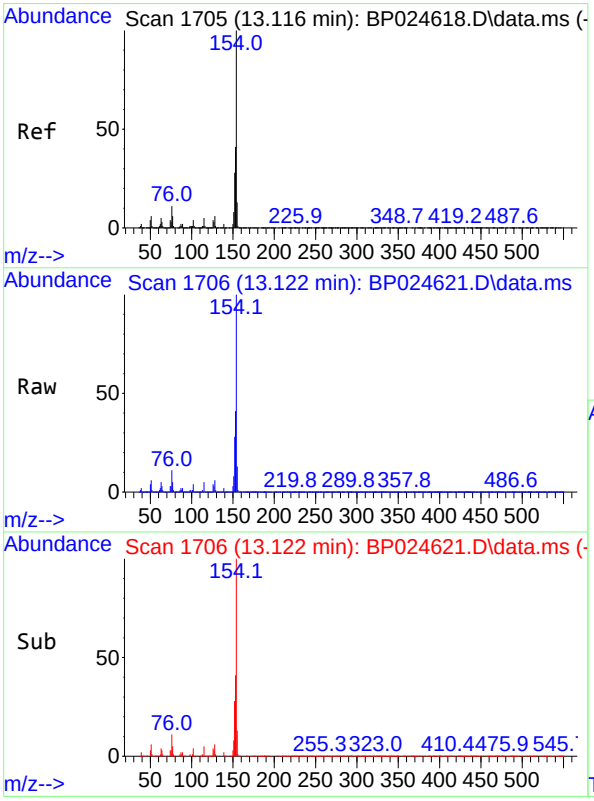
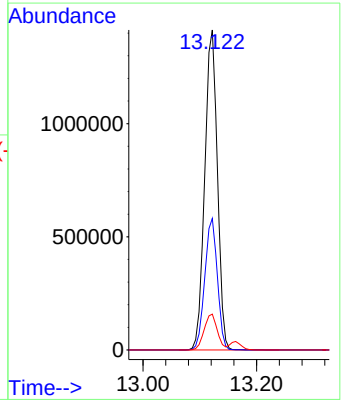
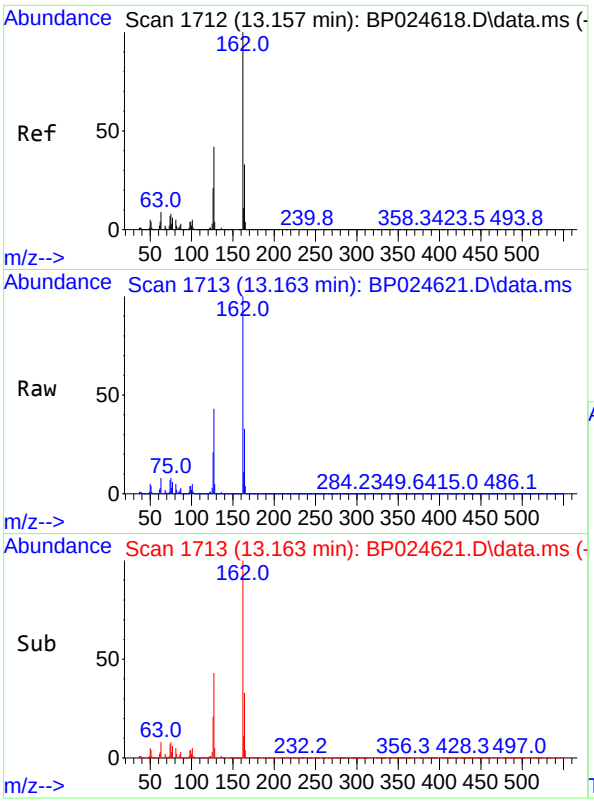


#46
1,1'-Biphenyl
Concen: 78.79 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 2175624

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	11.2	0.0	31.5

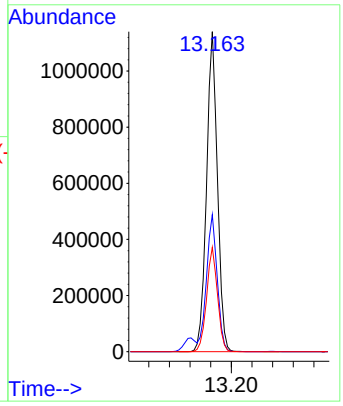




#47
2-Chloronaphthalene
Concen: 78.99 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 166297

Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	32.6	26.0	39.0



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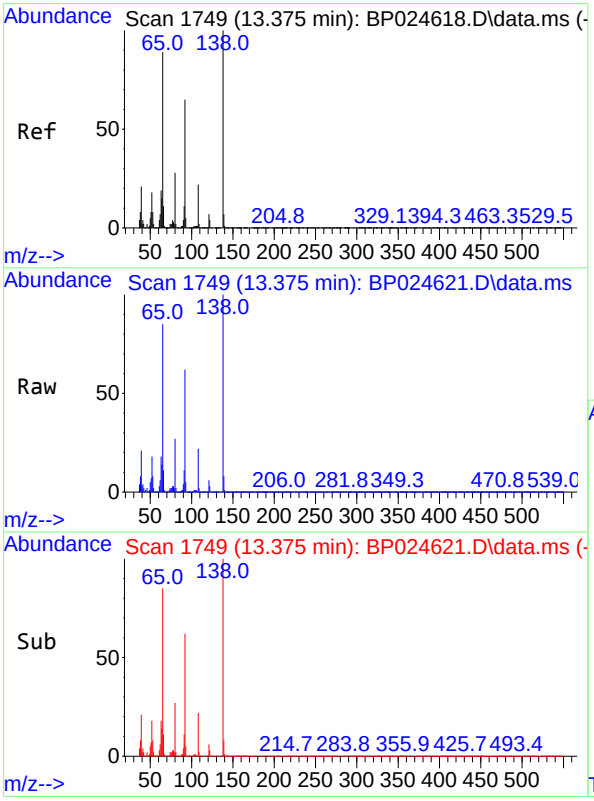
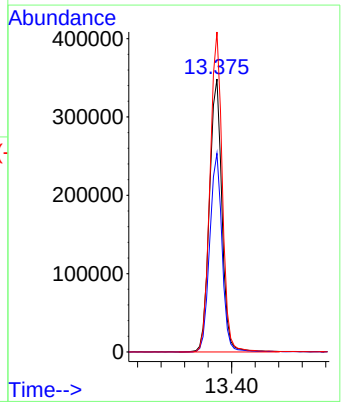
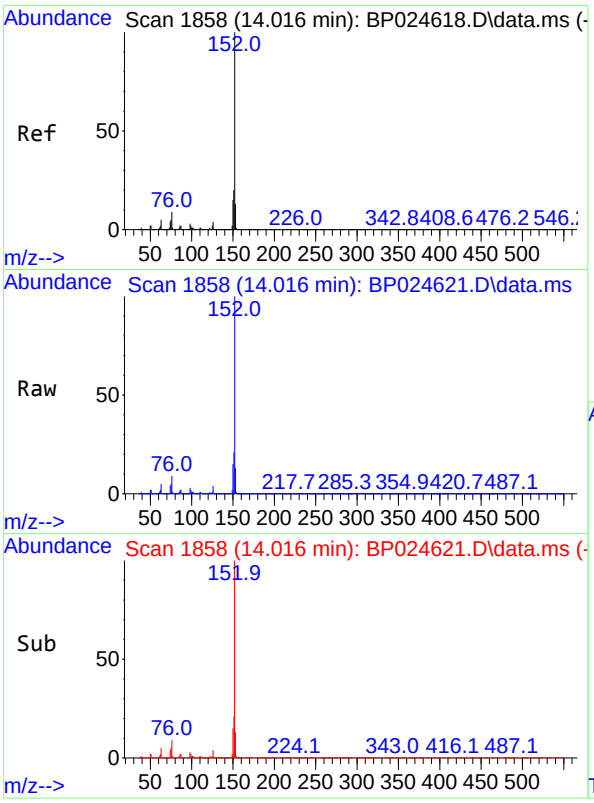


#48
2-Nitroaniline
Concen: 82.22 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 65 Resp: 512458

Ion	Ratio	Lower	Upper
65	100		
92	72.7	58.7	88.1
138	117.2	90.2	135.2

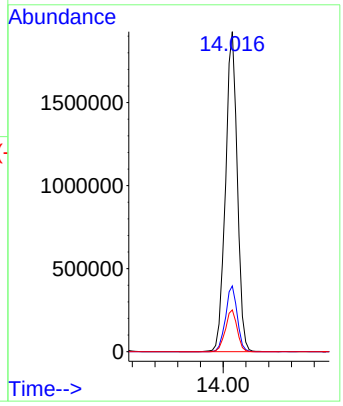




#49
Acenaphthylene
Concen: 78.73 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 277374

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	13.1	10.2	15.4



Instrument :
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ClientSampleId :
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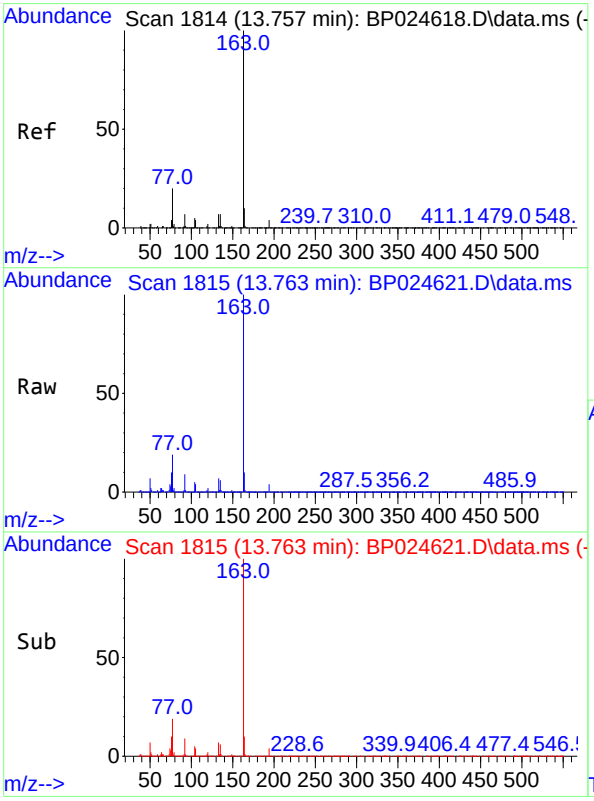
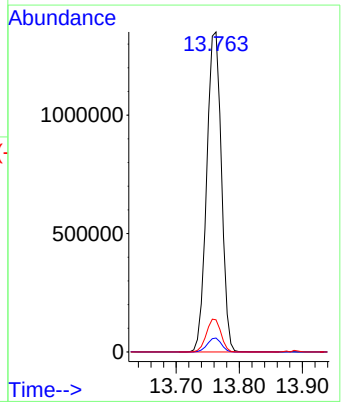
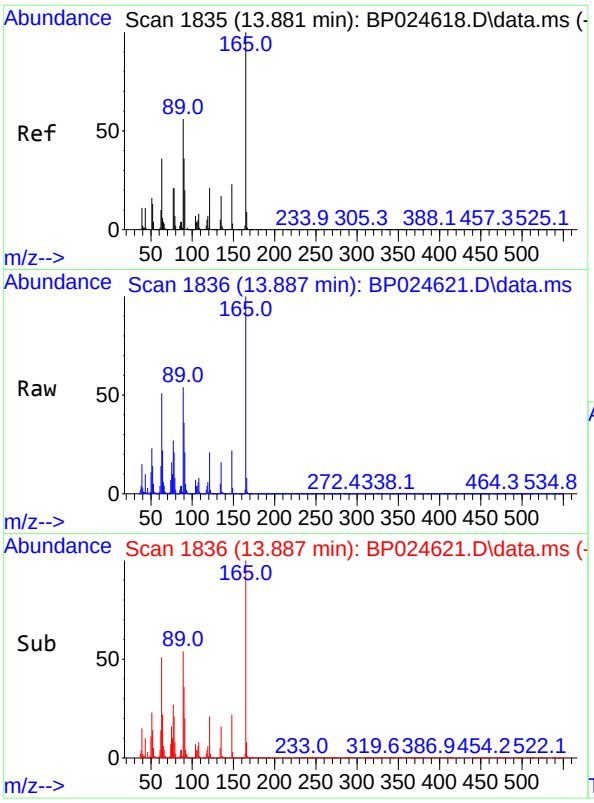


#50
Dimethylphthalate
Concen: 76.64 ng
RT: 13.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:163 Resp: 2182359

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 79.26 ng
RT: 13.887 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:165 Resp: 47660

Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.4	63.6
89	54.4	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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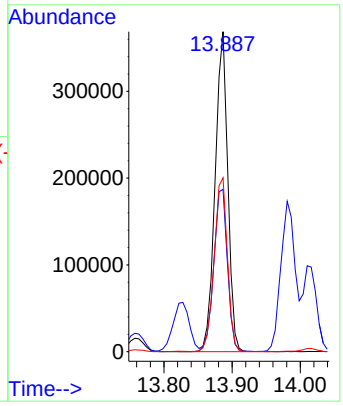
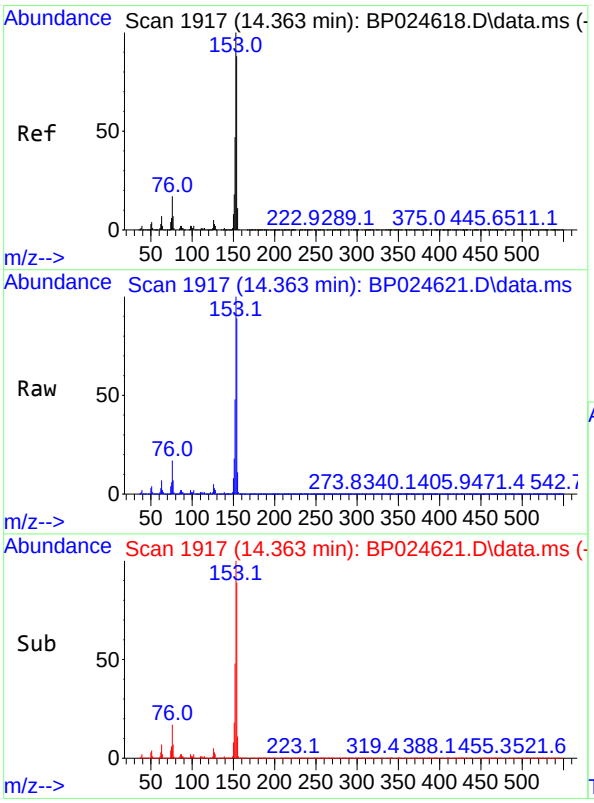
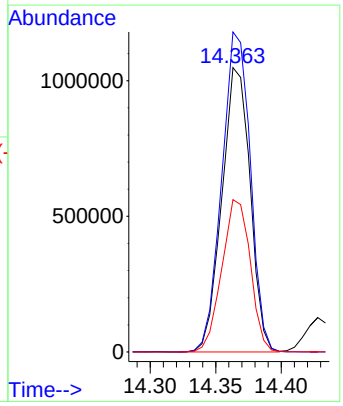


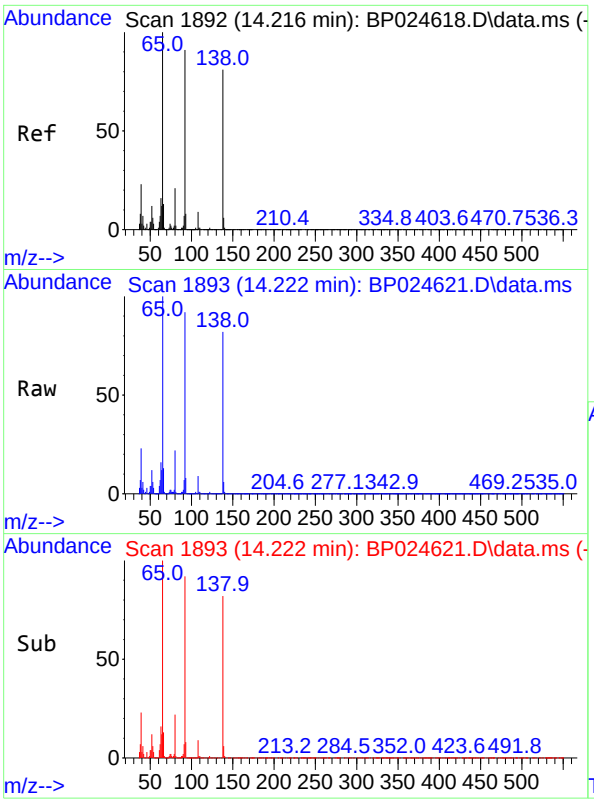


#52
Acenaphthene
Concen: 77.62 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 1572103

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.0	136.4
152	53.6	42.9	64.3

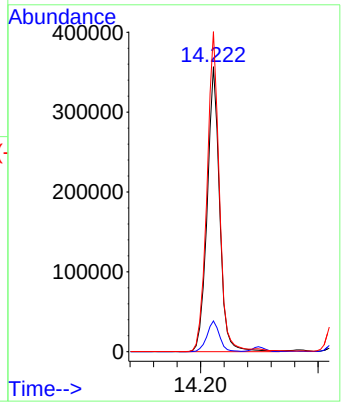




#53
3-Nitroaniline
Concen: 85.15 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 52284

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	112.3	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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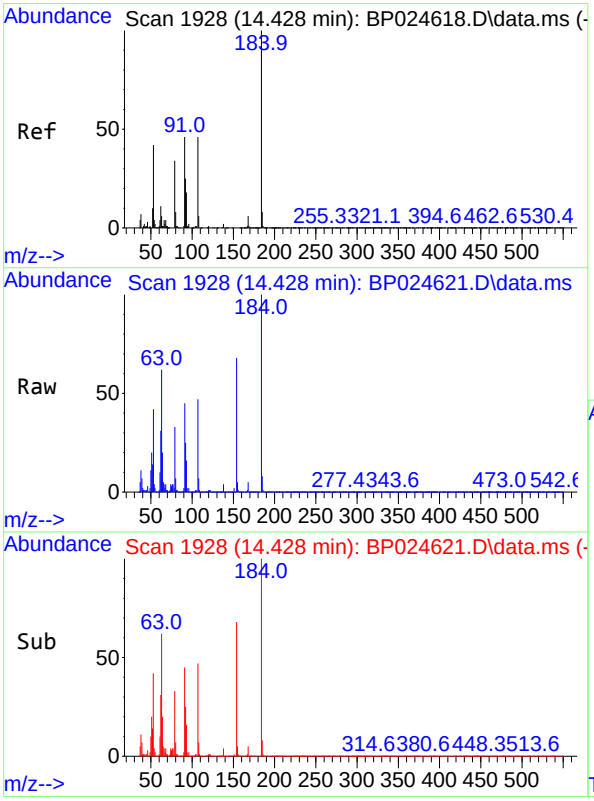
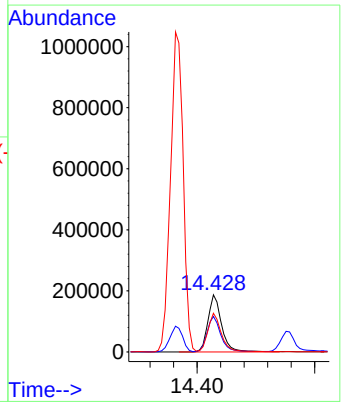
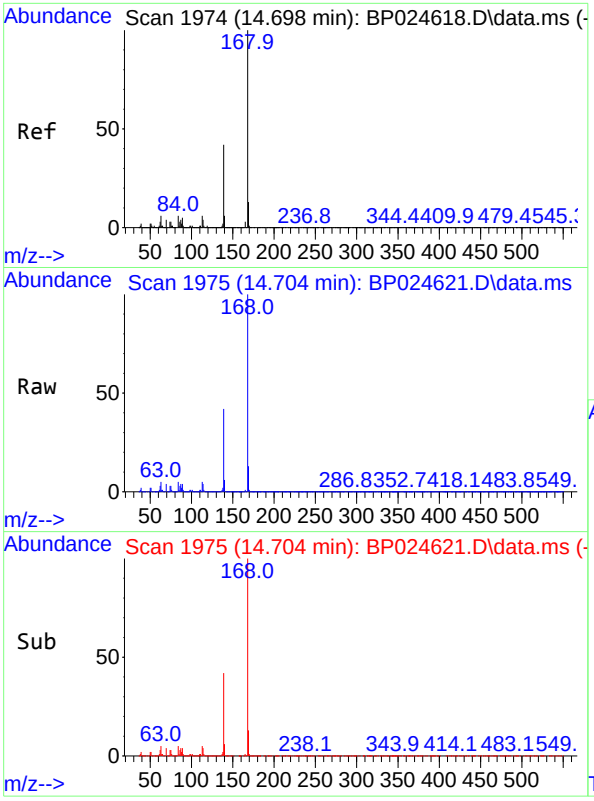


#54
2,4-Dinitrophenol
Concen: 79.29 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 300458

Ion	Ratio	Lower	Upper
184	100		
63	62.1	51.3	76.9
154	67.9	53.5	80.3

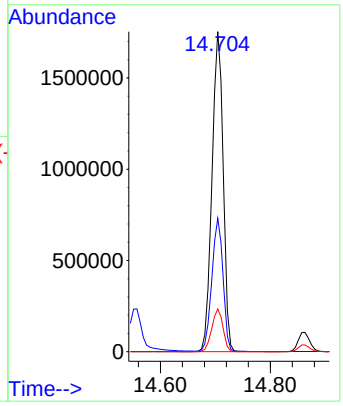




#55
Dibenzofuran
Concen: 76.68 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:168 Resp: 247737

Ion	Ratio	Lower	Upper
168	100		
139	41.7	34.2	51.4
169	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
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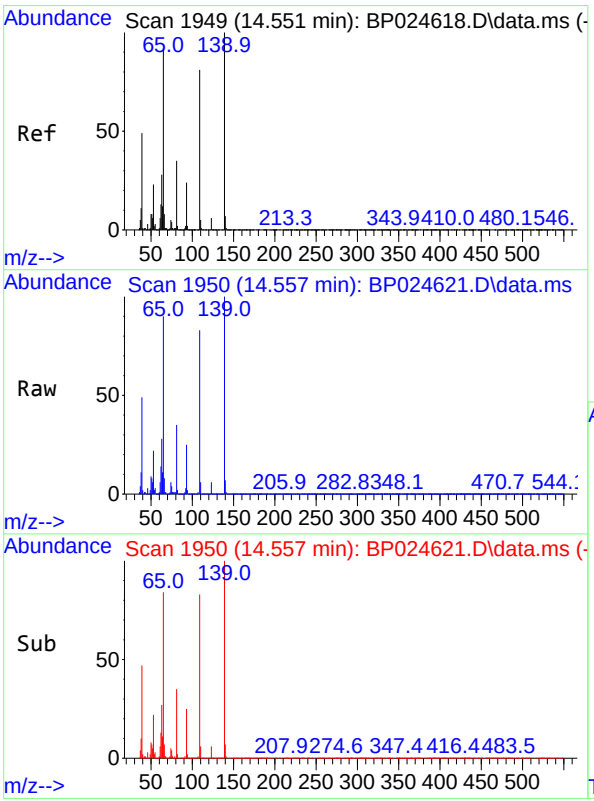
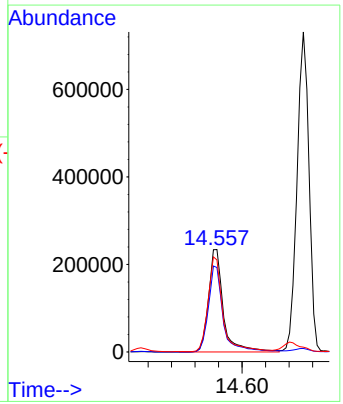
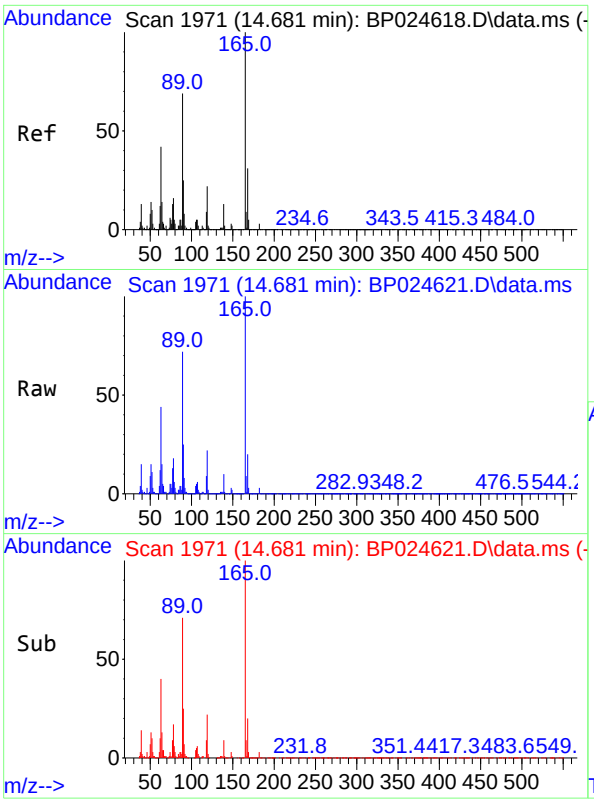


#56
4-Nitrophenol
Concen: 77.27 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 409954

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.4	101.4
65	89.8	72.2	112.2

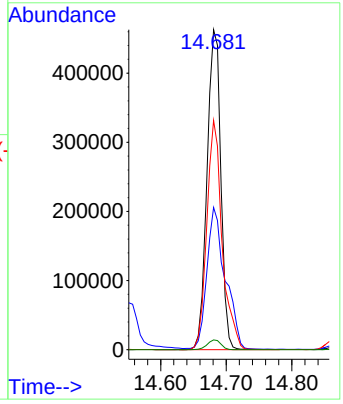




#57
2,4-Dinitrotoluene
Concen: 80.01 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:165 Resp: 67828

Ion	Ratio	Lower	Upper
165	100		
63	44.4	33.8	50.6
89	71.6	55.6	83.4
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
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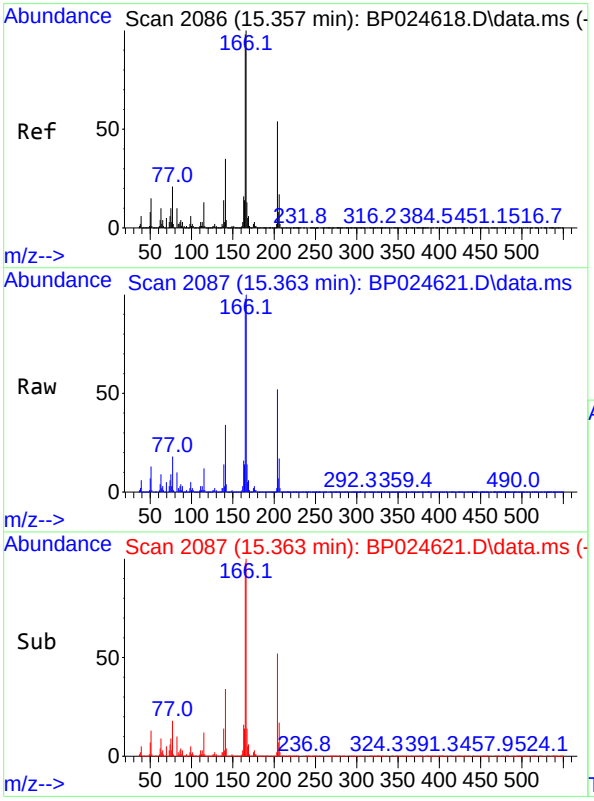
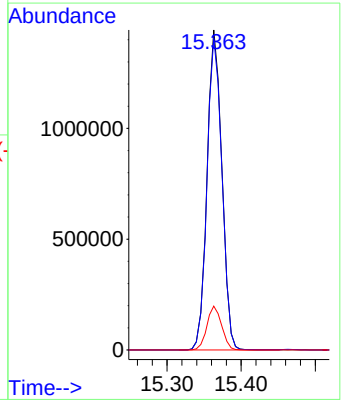
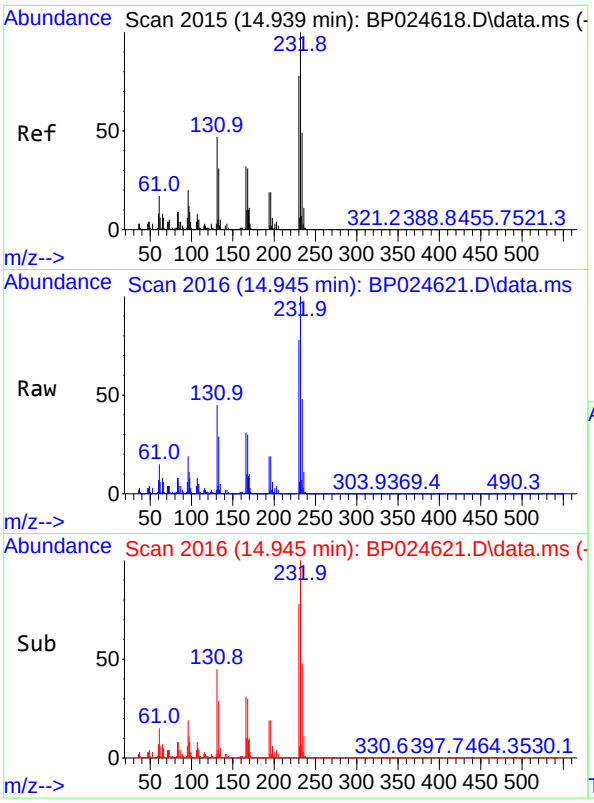


#58
Fluorene
Concen: 76.06 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:166 Resp: 2003709

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.7	10.7	16.1

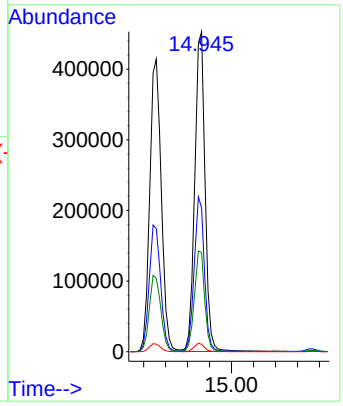




#59
2,3,4,6-Tetrachlorophenol
Concen: 81.17 ng
RT: 14.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:232 Resp: 58894

Ion	Ratio	Lower	Upper
232	100		
131	48.1	39.5	59.3
130	2.6	2.2	3.4
166	31.4	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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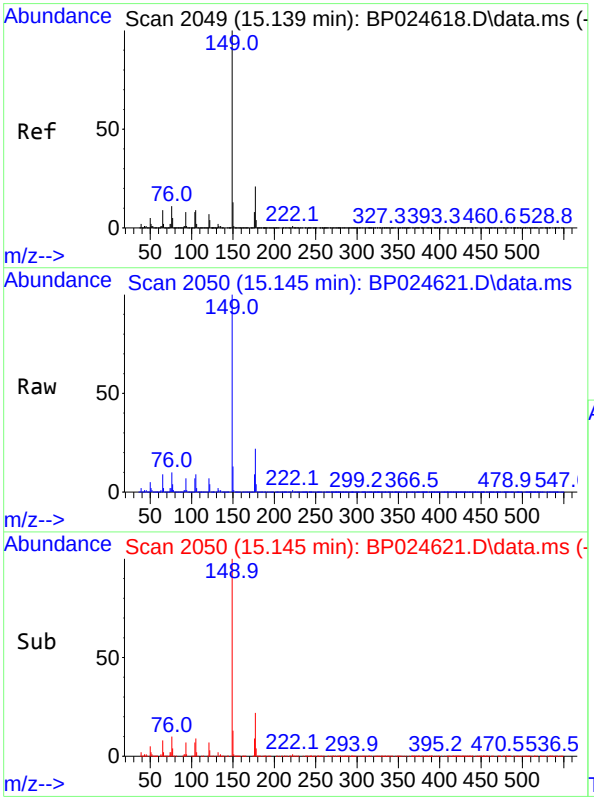
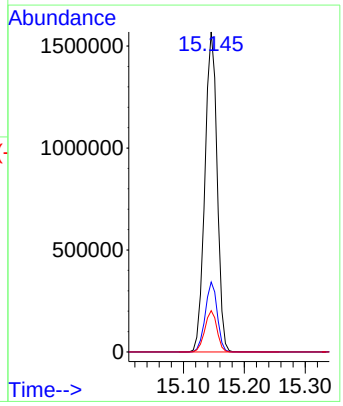
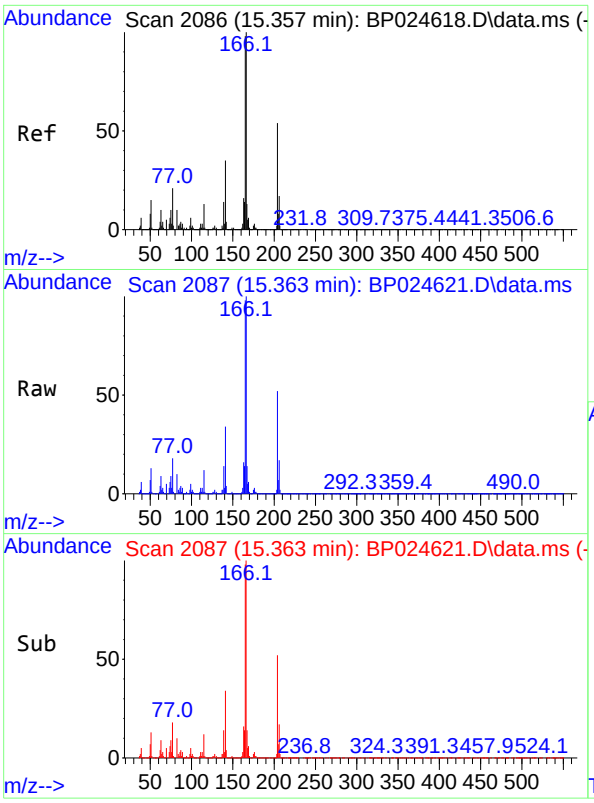


#60
Diethylphthalate
Concen: 76.22 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2193488

Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.7	25.1
150	12.9	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 75.96 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 99786

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	65.6	52.9	79.3

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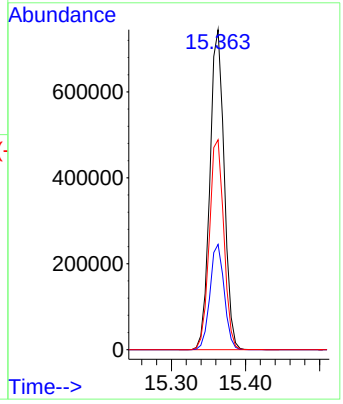
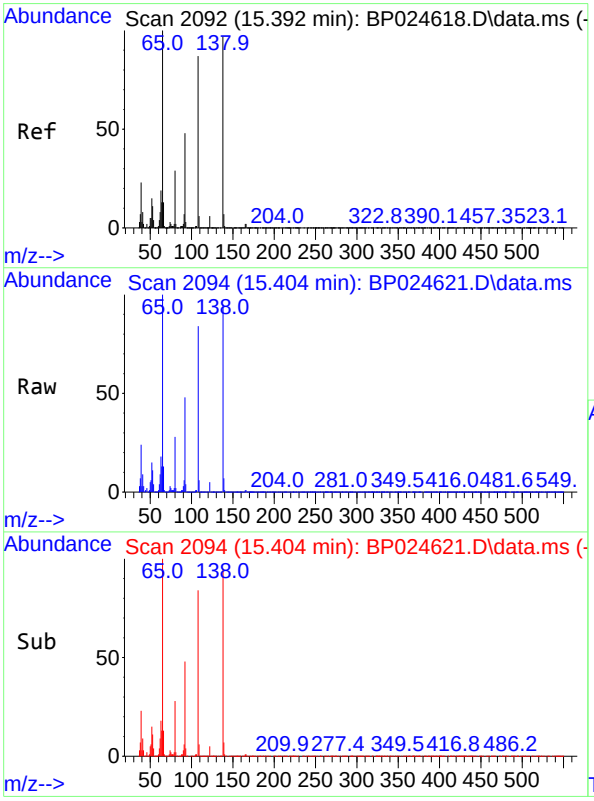
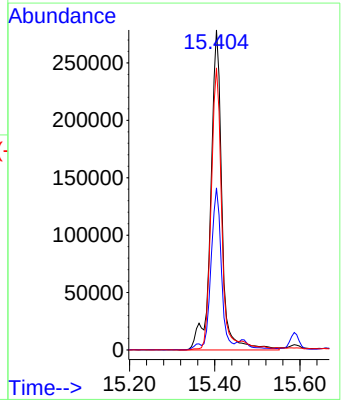


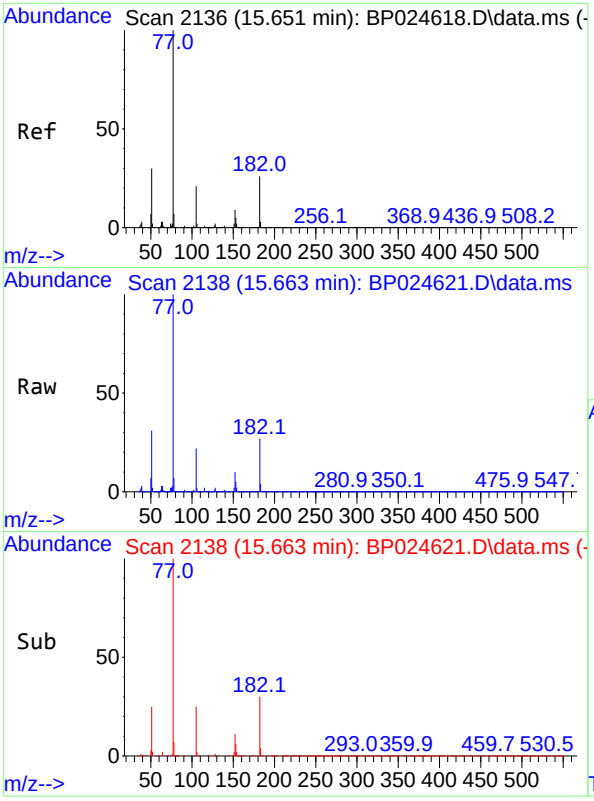


#62
4-Nitroaniline
Concen: 85.24 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 509582

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.2	69.2
108	88.2	69.0	109.0

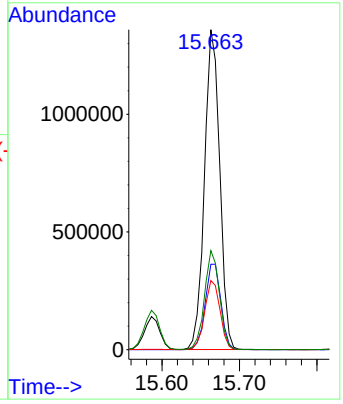




#63
Azobenzene
Concen: 75.47 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 185814

Ion	Ratio	Lower	Upper
77	100		
182	26.7	5.7	45.7
105	21.6	1.3	41.3
51	30.9	10.6	50.6



Instrument :
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ClientSampleId :
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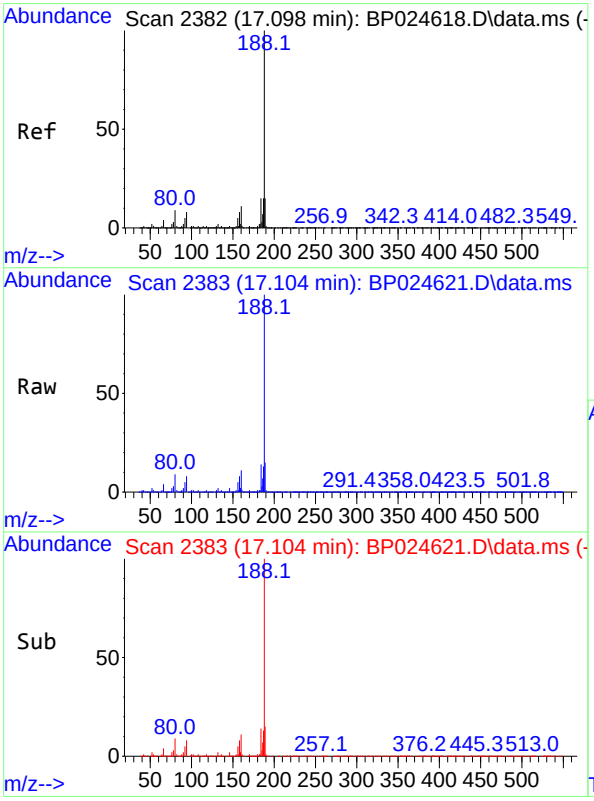
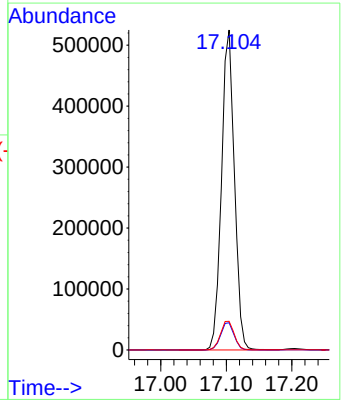
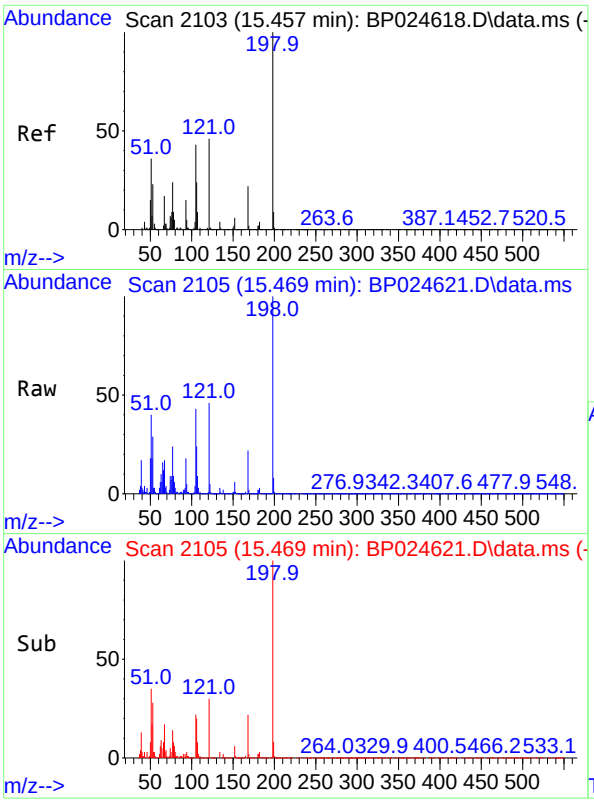


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:188 Resp: 713479

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.5	9.7
80	9.0	7.3	10.9

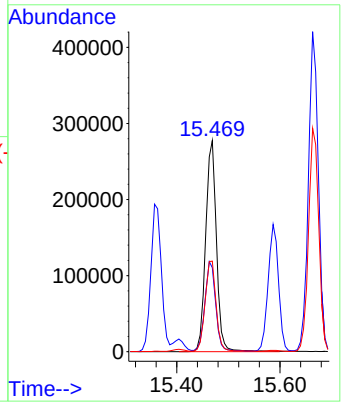




#65
4,6-Dinitro-2-methylphenol
Concen: 87.01 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:198 Resp: 40101

Ion	Ratio	Lower	Upper
198	100		
51	39.8	21.1	61.1
105	42.9	23.6	63.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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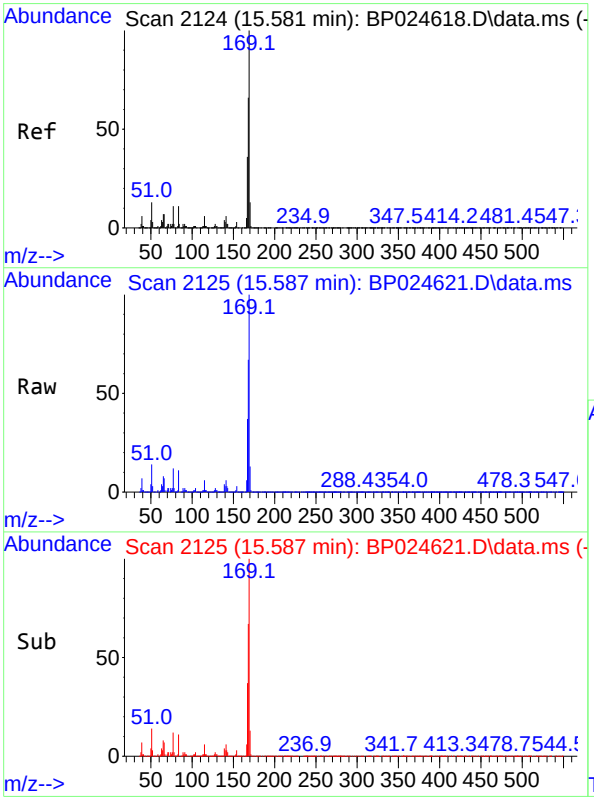
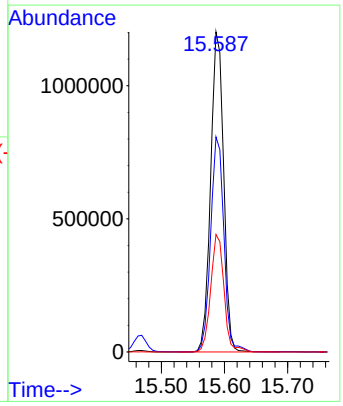
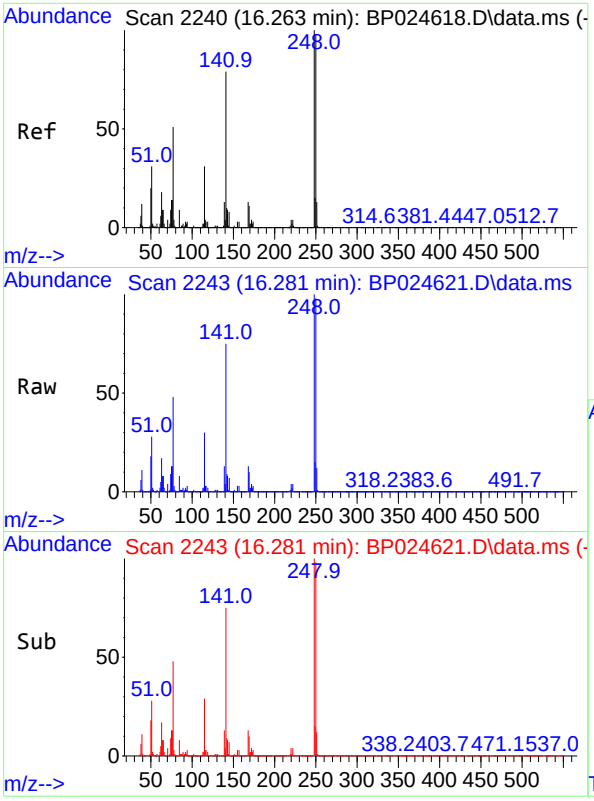


#66
n-Nitrosodiphenylamine
Concen: 78.10 ng
RT: 15.587 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:169 Resp: 1711679

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.7	28.6	43.0

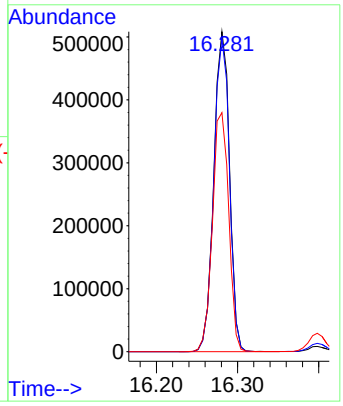




#67
4-Bromophenyl-phenylether
Concen: 81.43 ng
RT: 16.281 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:248 Resp: 68461

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	74.7	63.0	94.6



Instrument :
BNA_P
ClientSampleId :
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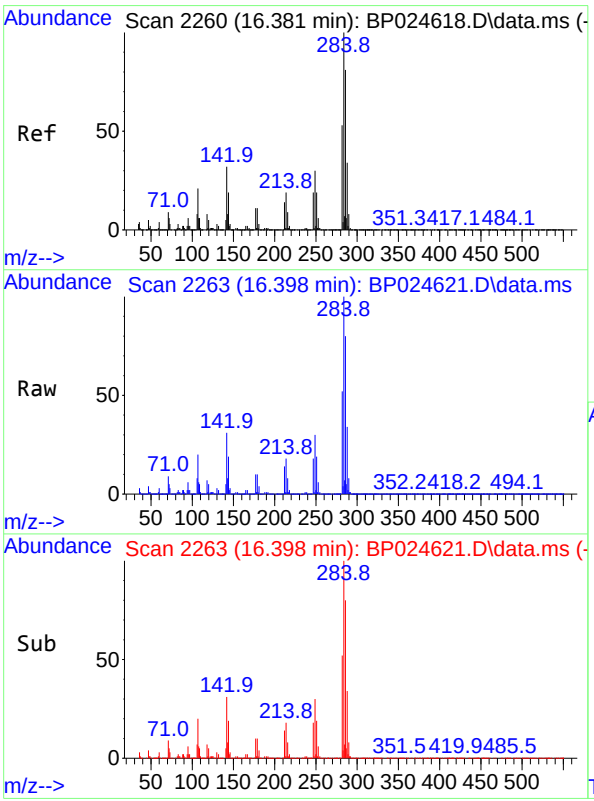
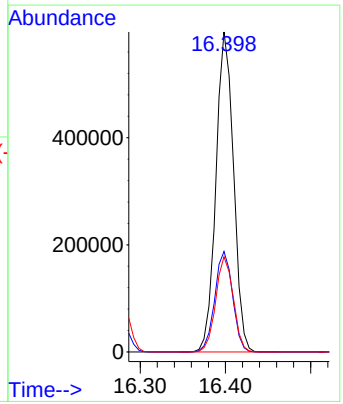
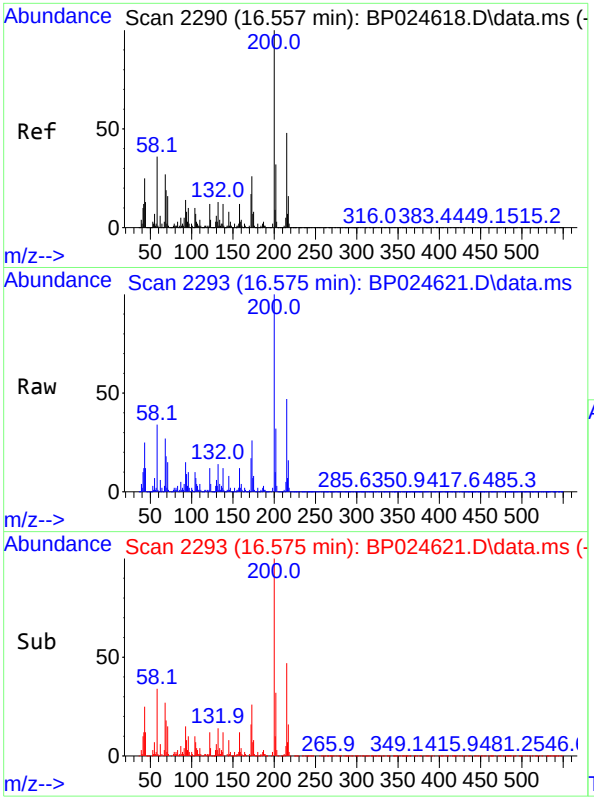


#68
Hexachlorobenzene
Concen: 80.18 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:284 Resp: 856547

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.9	38.9
249	29.7	24.1	36.1

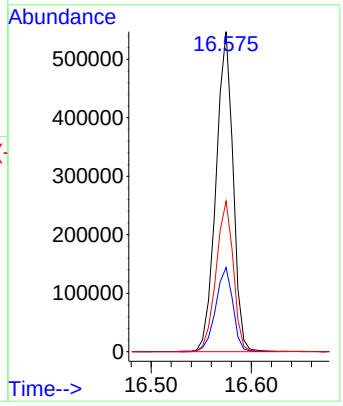




#69
Atrazine
Concen: 80.42 ng
RT: 16.575 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:200 Resp: 64587

Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.9	45.9
215	47.1	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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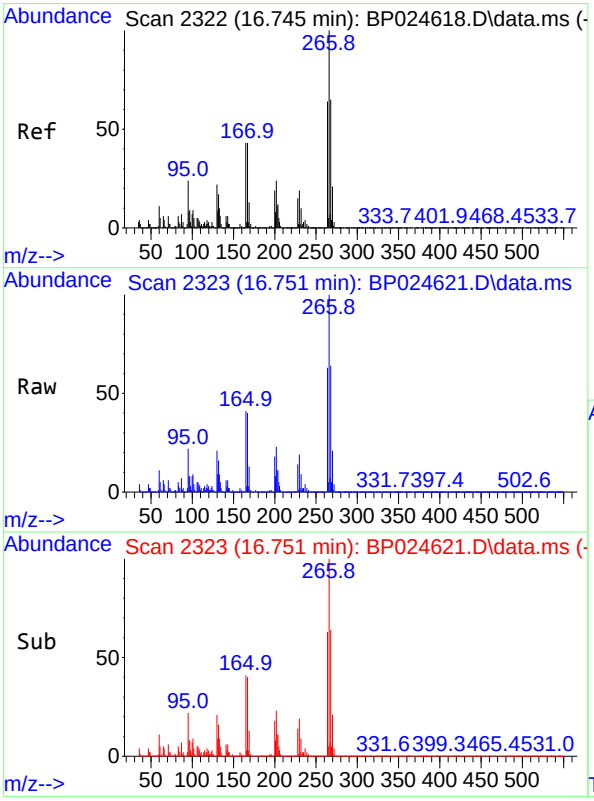
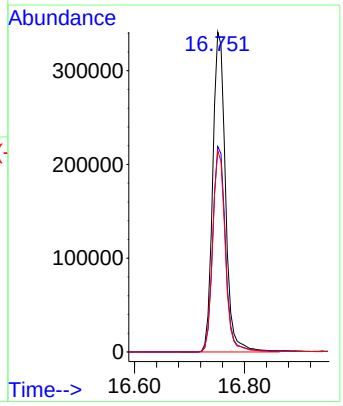
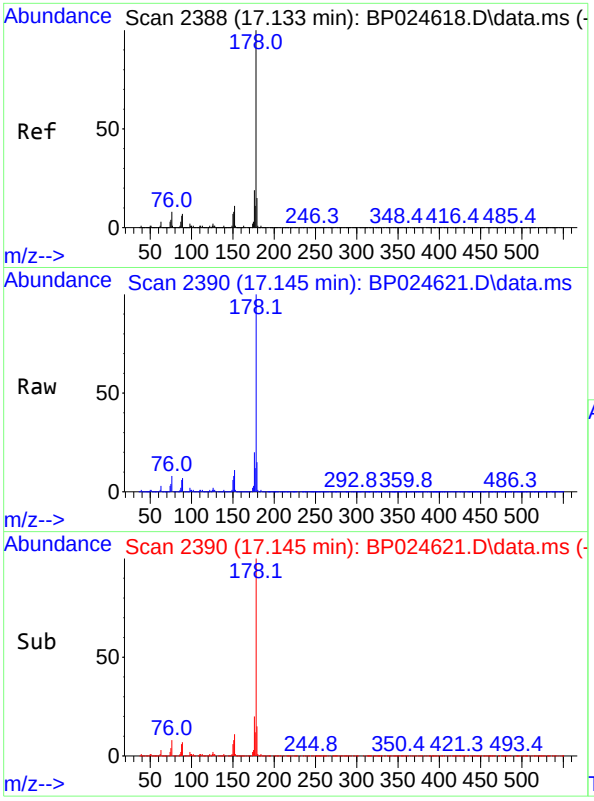


#70
Pentachlorophenol
Concen: 91.41 ng
RT: 16.751 min Scan# 2323
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:266 Resp: 548492

Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.2	78.4
264	62.9	51.1	76.7

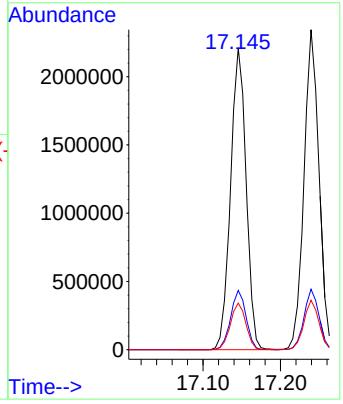




#71
Phenanthrene
Concen: 77.95 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 309166

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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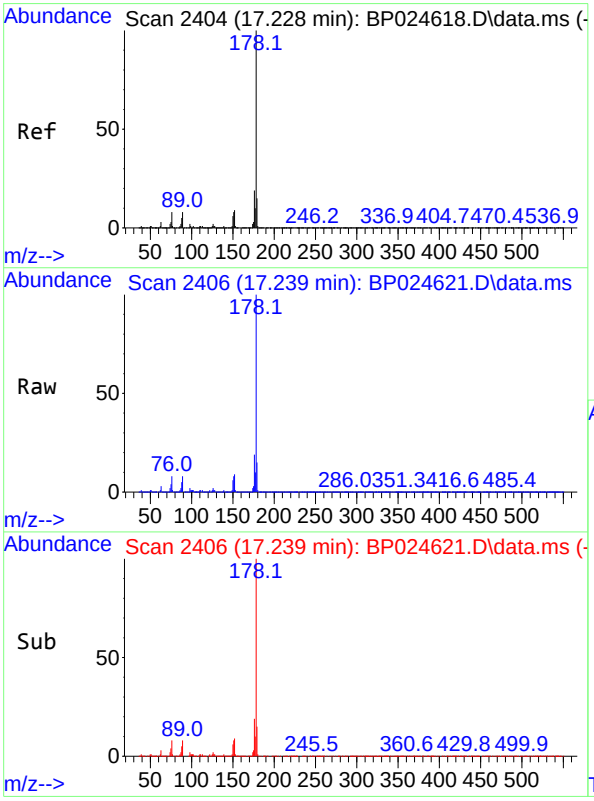
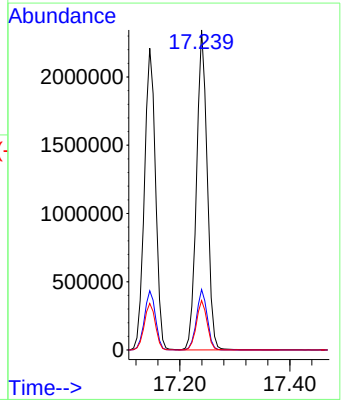
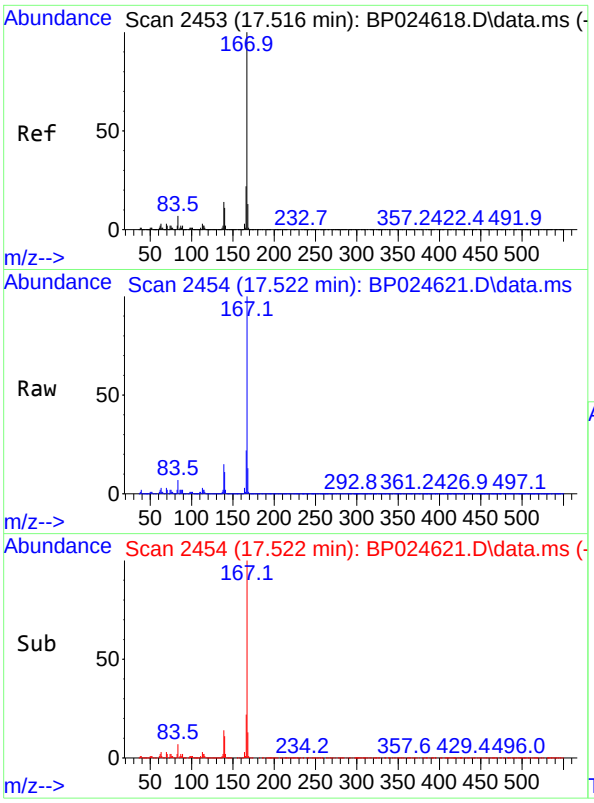


#72
Anthracene
Concen: 79.23 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 3161669

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.2

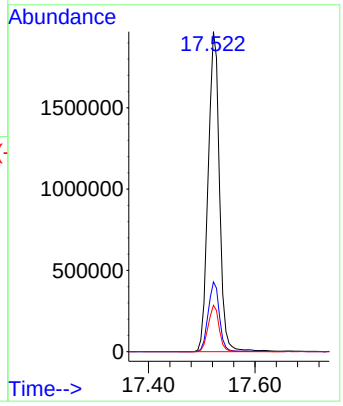




#73
Carbazole
Concen: 80.08 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:167 Resp: 289223

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.5	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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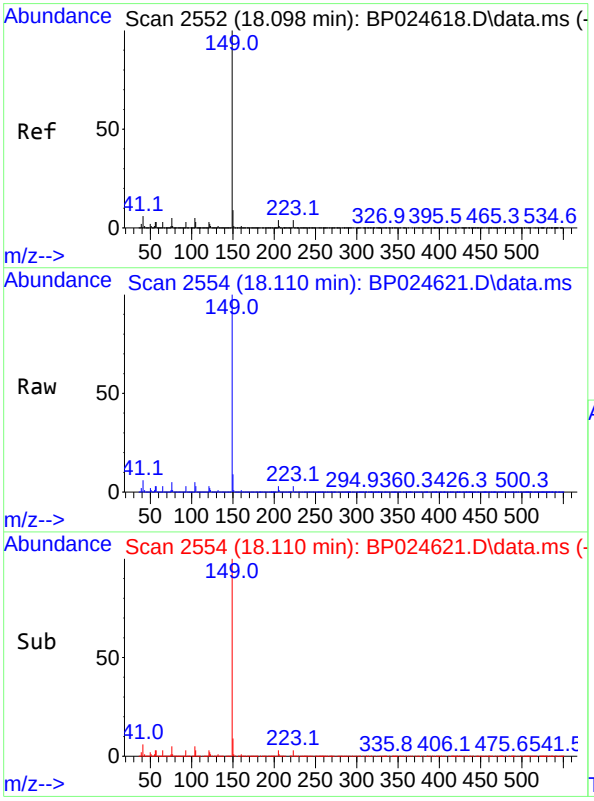
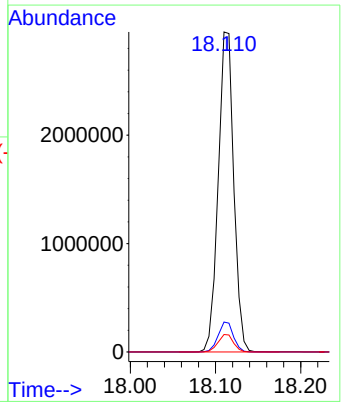
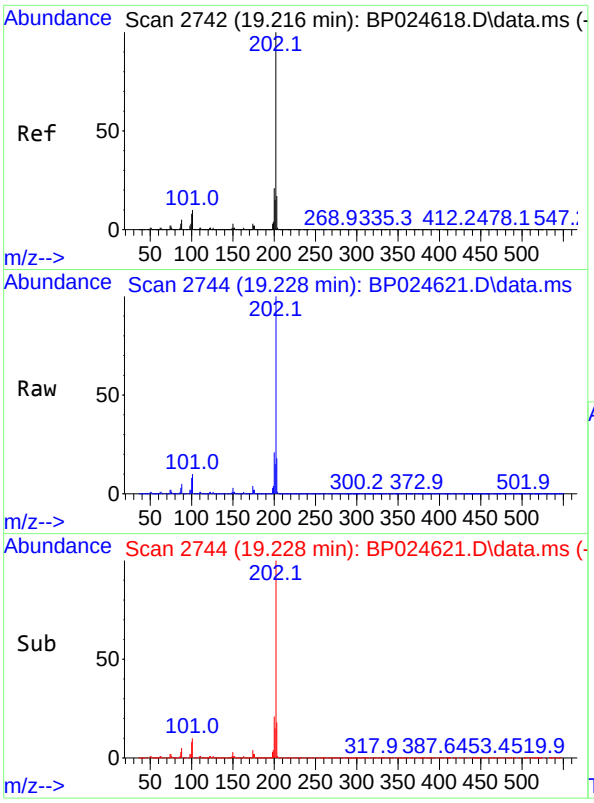


#74
Di-n-butylphthalate
Concen: 80.68 ng
RT: 18.110 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 3747927

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.5	4.3	6.5





#75
Fluoranthene
Concen: 78.27 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 362908

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.8	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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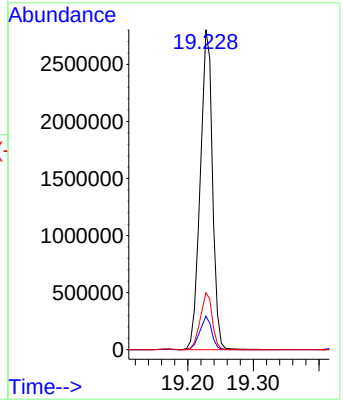
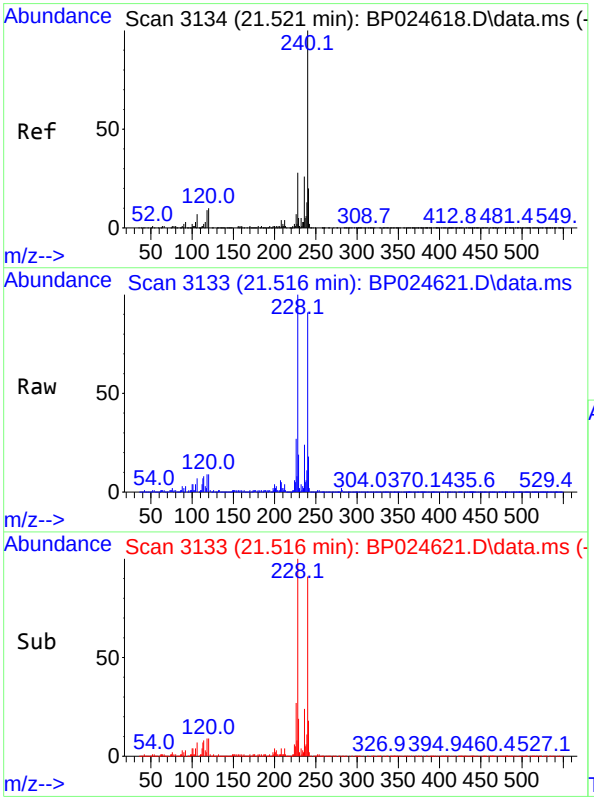
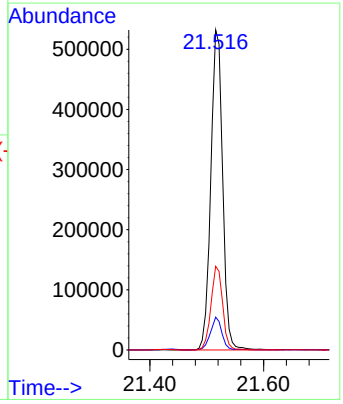


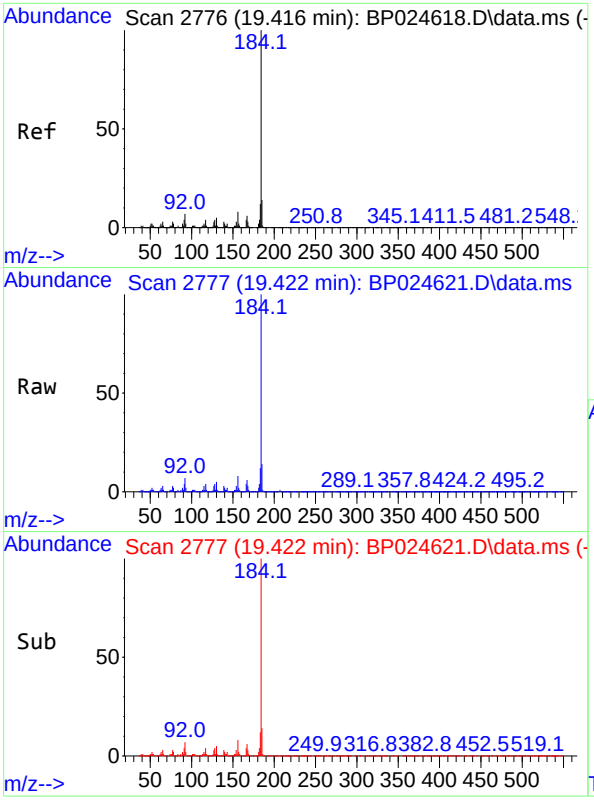


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:240 Resp: 765954

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.8	11.6
236	26.2	20.6	31.0

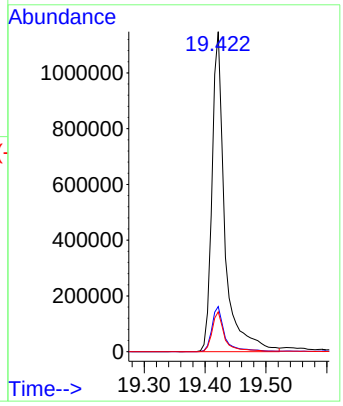




#77
Benzidine
Concen: 79.83 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 167850

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.2	16.8
183	12.4	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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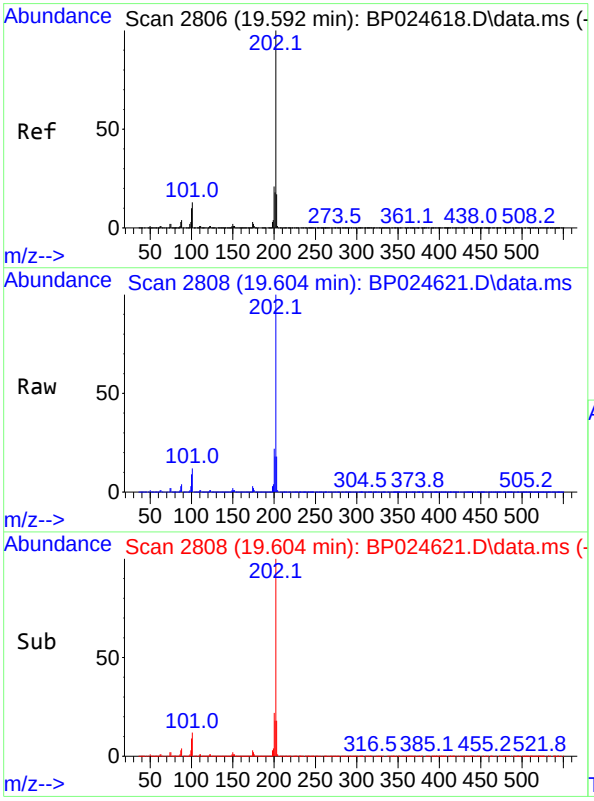
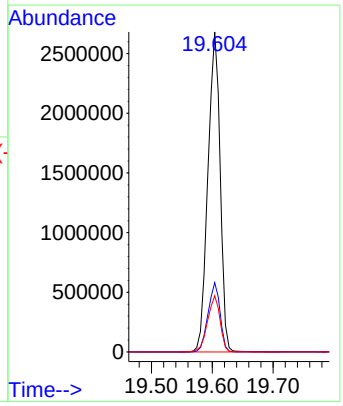
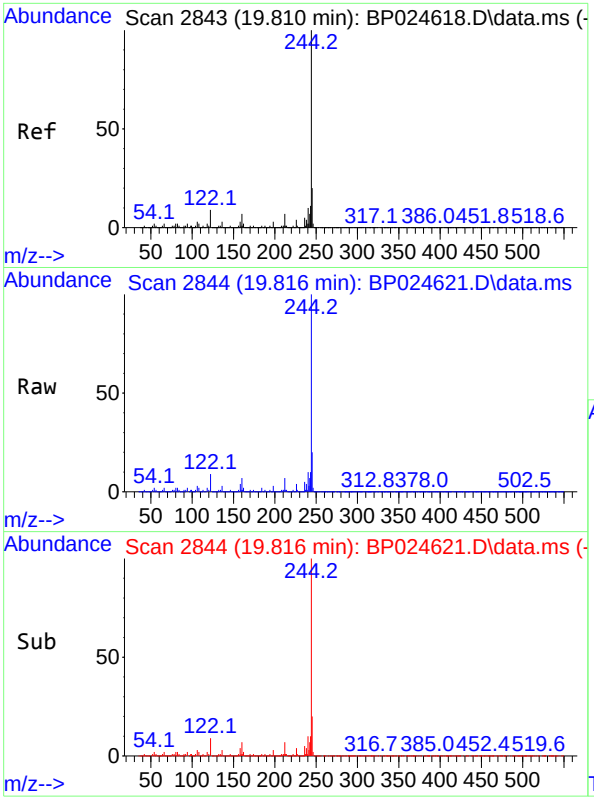


#78
Pyrene
Concen: 81.65 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 3747276

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	17.6	13.9	20.9

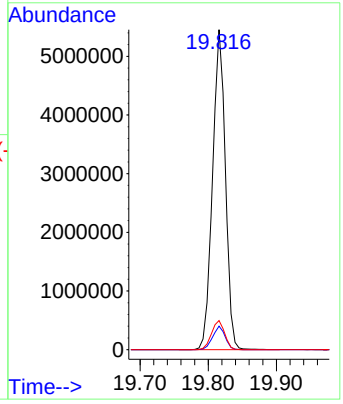




#79
Terphenyl-d14
Concen: 160.11 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:244 Resp: 715225

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	9.1	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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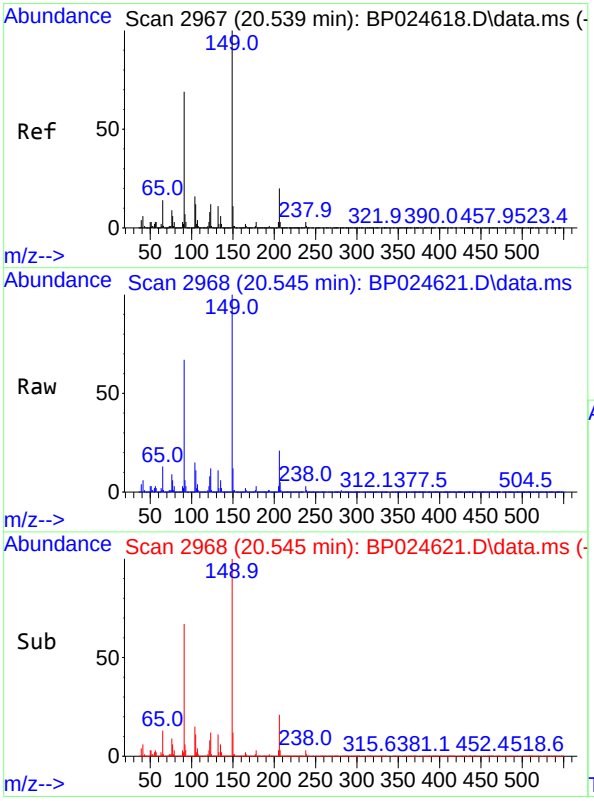
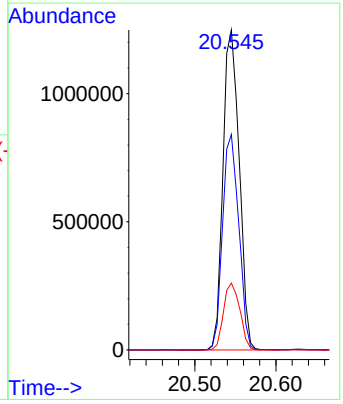
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

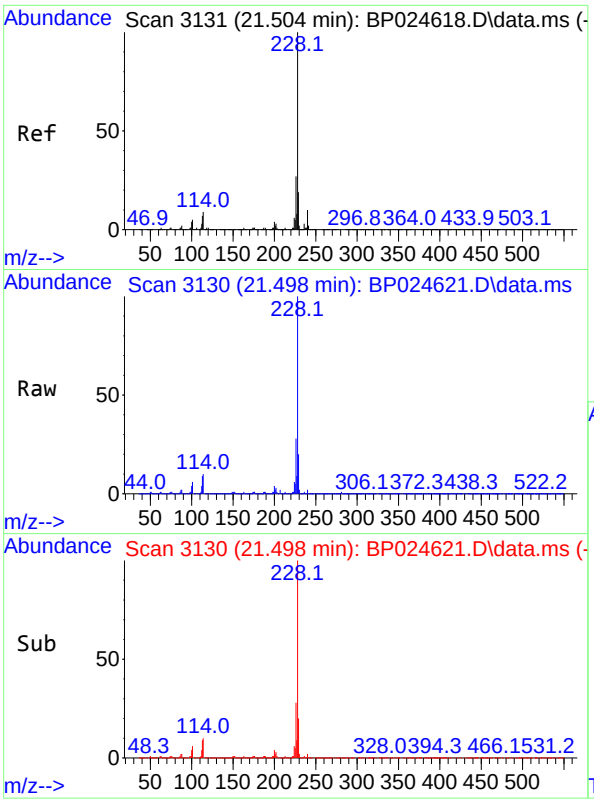


#80
Butylbenzylphthalate
Concen: 85.34 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 1741954

Ion	Ratio	Lower	Upper
149	100		
91	67.3	55.4	83.0
206	20.9	16.2	24.2

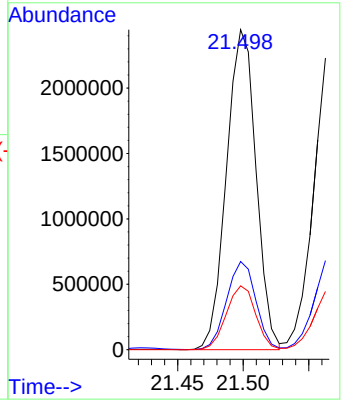




#81
Benzo(a)anthracene
Concen: 79.63 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 382978

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.0
229	19.9	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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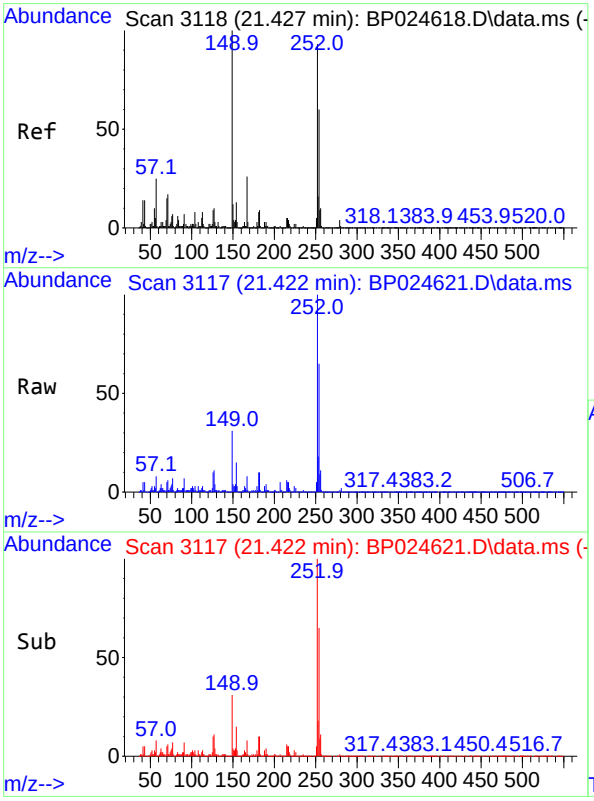
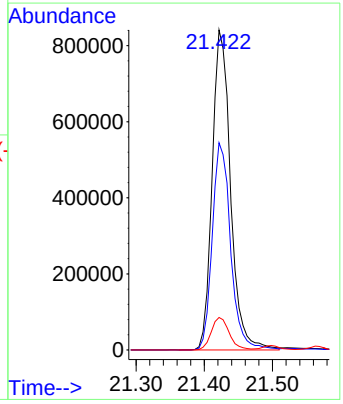
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

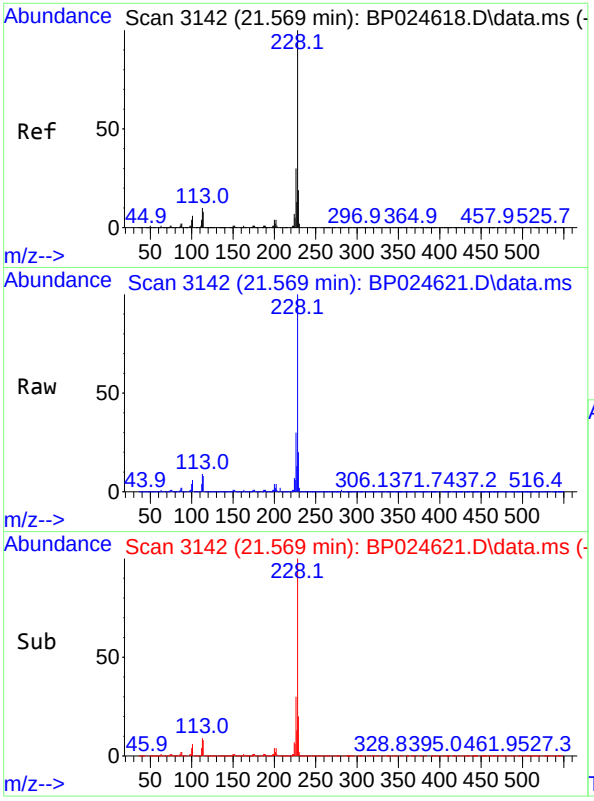


#82
3,3'-Dichlorobenzidine
Concen: 88.21 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 1575691

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	10.2	7.7	11.5

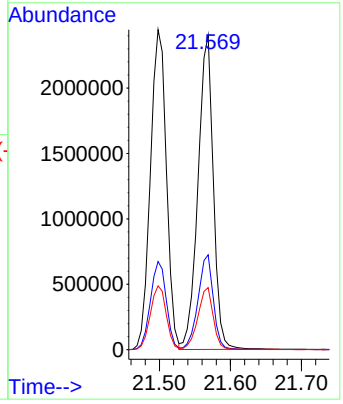




#83
Chrysene
Concen: 79.29 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 361501

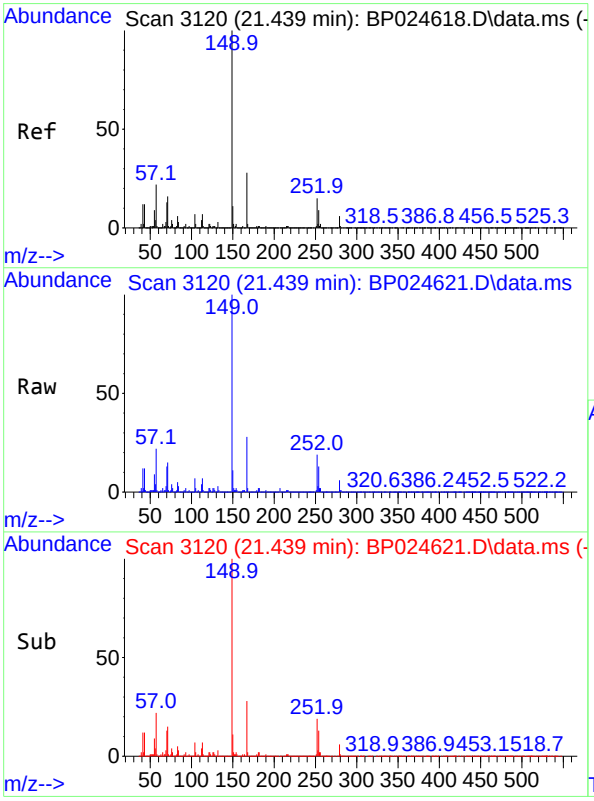
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.7	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

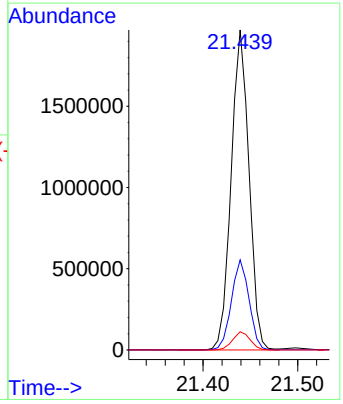
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

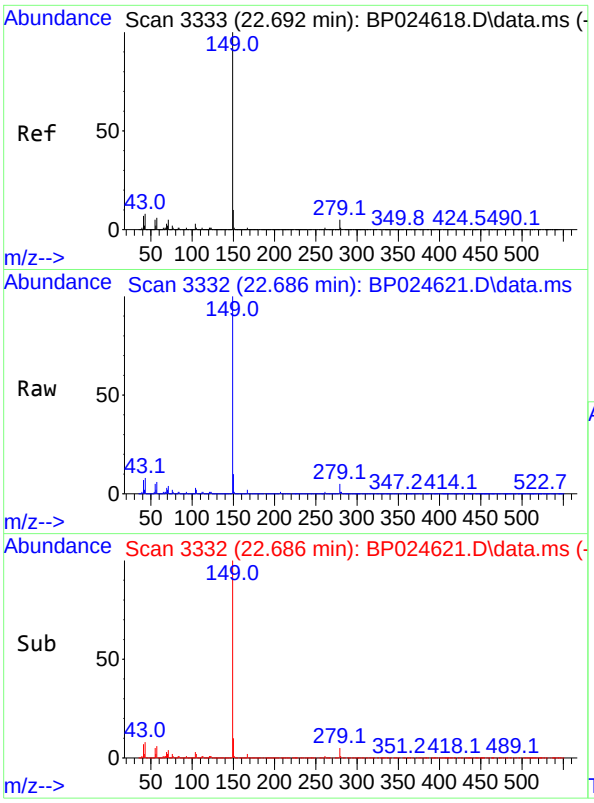


#84
Bis(2-ethylhexyl)phthalate
Concen: 85.91 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2577445

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	5.7	4.6	6.8

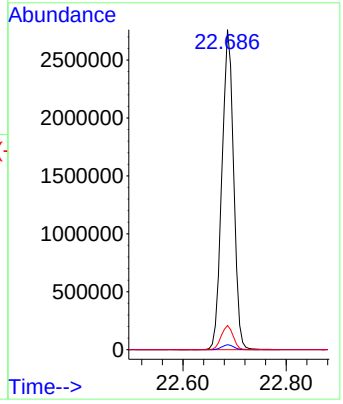




#85
Di-n-octyl phthalate
Concen: 88.50 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 434165

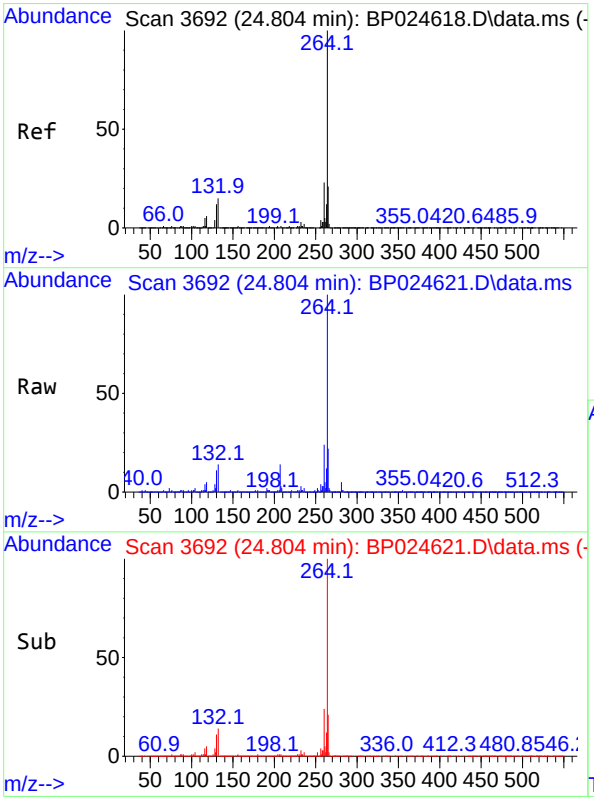
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

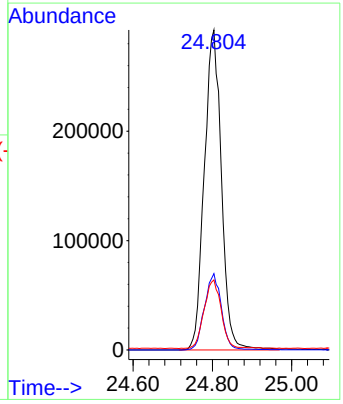
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

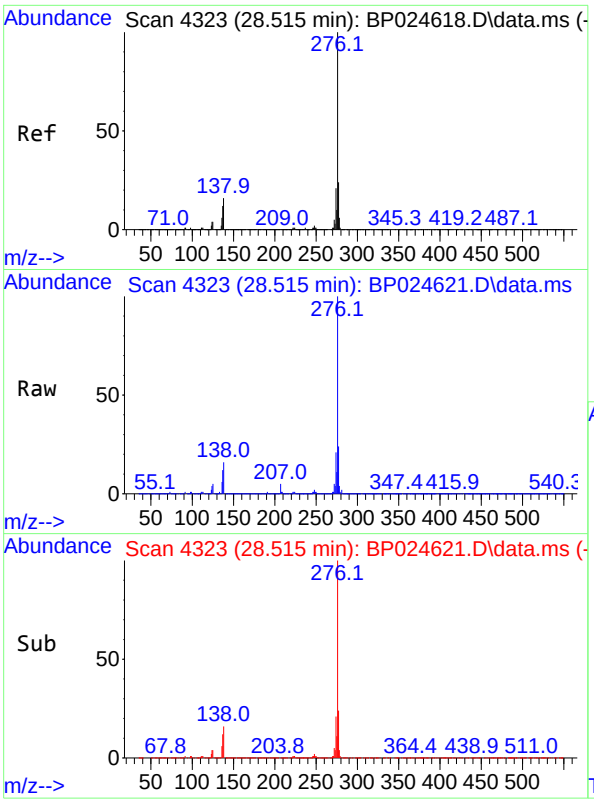


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:264 Resp: 877352

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.9	17.0	25.6

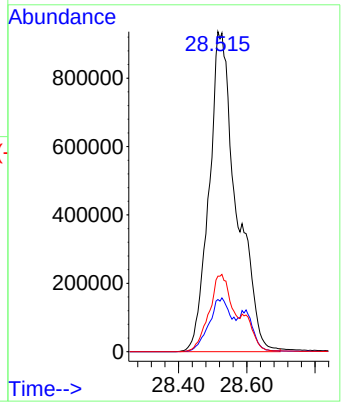




#87
Indeno(1,2,3-cd)pyrene
Concen: 81.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 524399

Ion	Ratio	Lower	Upper
276	100		
138	13.7	11.2	16.8
277	20.5	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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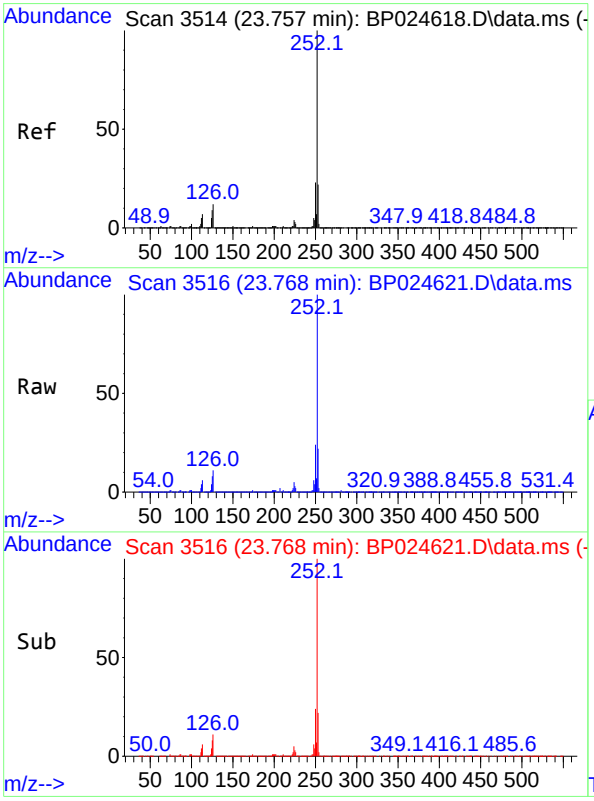
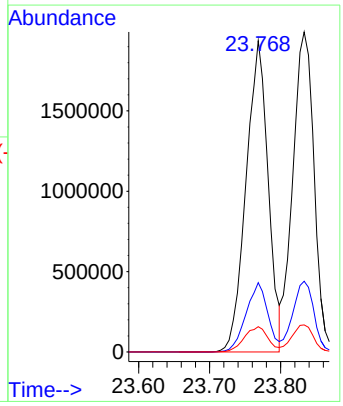
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

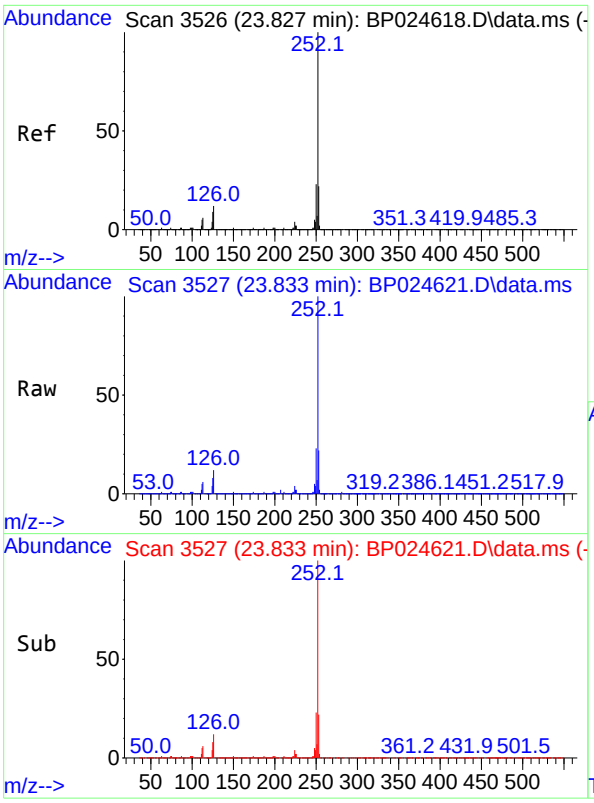


#88
Benzo(b)fluoranthene
Concen: 83.11 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 4173798

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.2	7.5	11.3

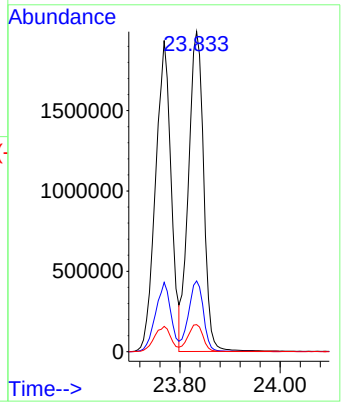




#89
Benzo(k)fluoranthene
Concen: 80.40 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 416026

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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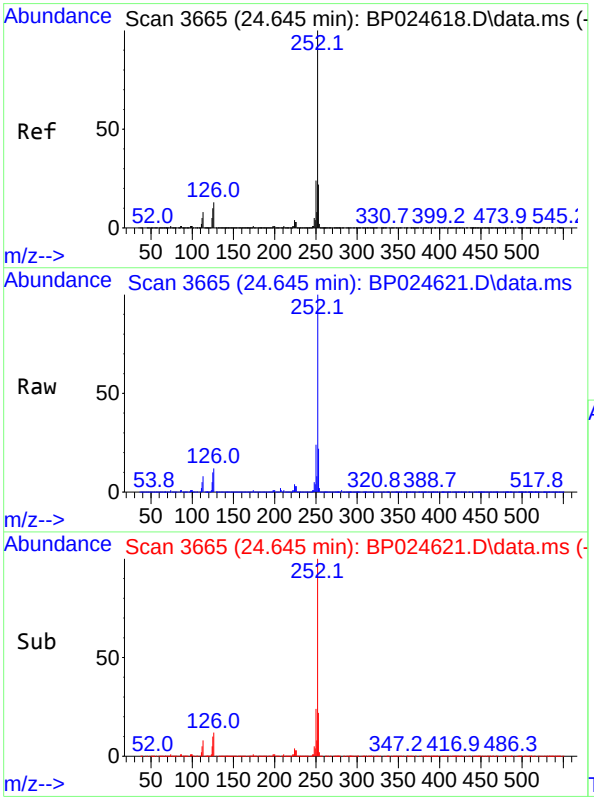
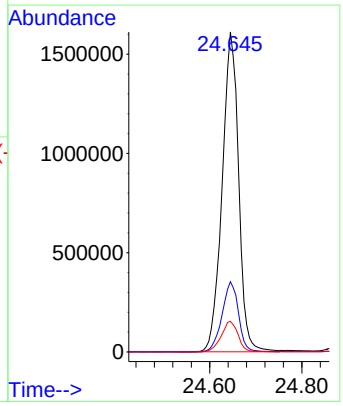
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

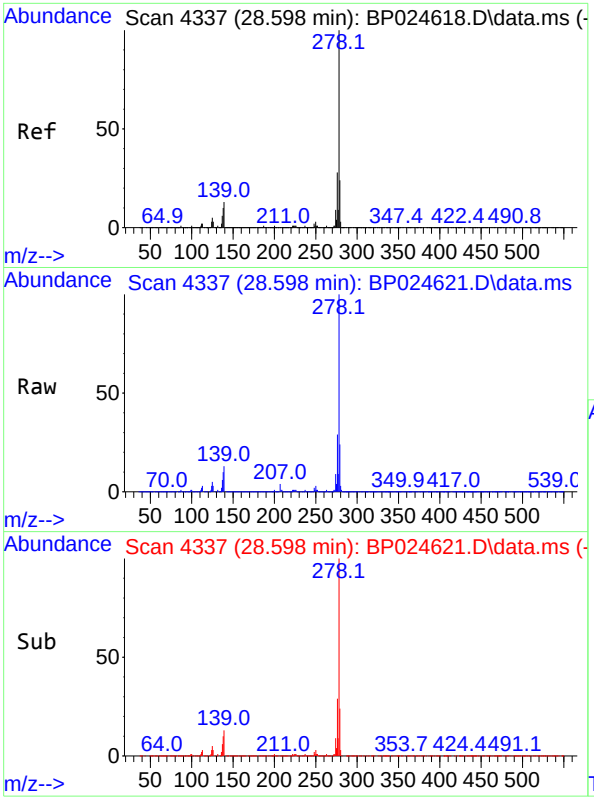


#90
Benzo(a)pyrene
Concen: 82.69 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 3988360

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.5	8.1	12.1

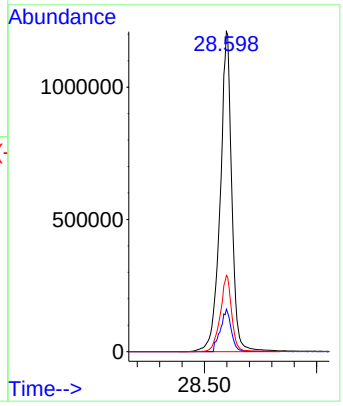




#91
Dibenzo(a,h)anthracene
Concen: 83.26 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:278 Resp: 433851

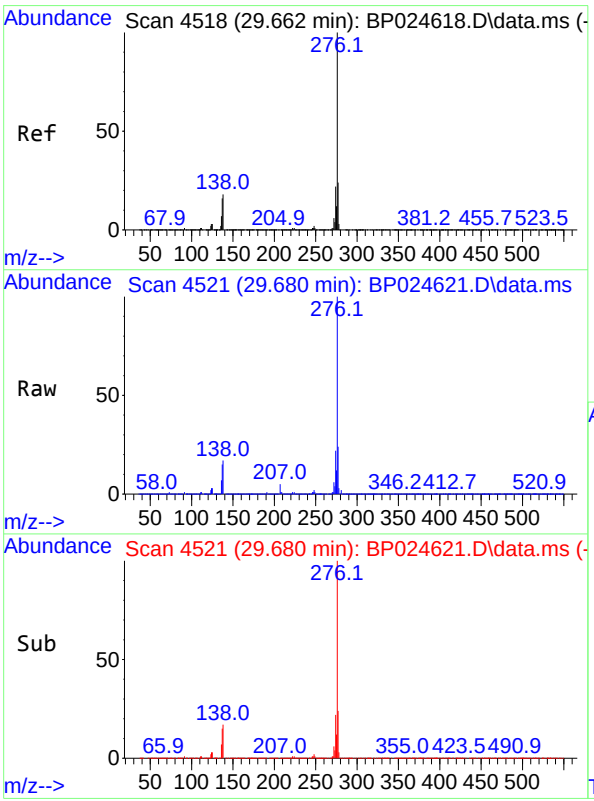
Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.4
279	23.9	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

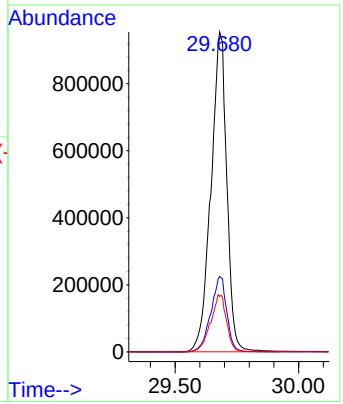
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 82.08 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 4253459

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	17.3	14.4	21.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	144423	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	621777	20.00	ng	0.00
39) Acenaphthene-d10	14.292	164	391112	20.00	ng	-0.01
64) Phenanthrene-d10	17.092	188	780511	20.00	ng	0.00
76) Chrysene-d12	21.521	240	868822	20.00	ng	0.00
86) Perylene-d12	24.815	264	1015341	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	658249	77.95	ng	0.00
7) Phenol-d6	6.852	99	852330	79.09	ng	0.00
23) Nitrobenzene-d5	8.810	82	962660	78.23	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	520660	78.53	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2290715	76.73	ng	0.00
79) Terphenyl-d14	19.822	244	3889002	76.75	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	145871	36.79	ng	99
3) Pyridine	3.622	79	347515	39.53	ng	97
4) n-Nitrosodimethylamine	3.528	42	147412	37.98	ng	98
6) Aniline	6.999	93	545556	39.21	ng	100
8) 2-Chlorophenol	7.234	128	377358	39.37	ng	97
9) Benzaldehyde	6.816	77	272303	39.03	ng	99
10) Phenol	6.881	94	434788	39.09	ng	99
11) bis(2-Chloroethyl)ether	7.093	93	346744	37.94	ng	99
12) 1,3-Dichlorobenzene	7.552	146	417899	37.89	ng	98
13) 1,4-Dichlorobenzene	7.699	146	420432	37.90	ng	99
14) 1,2-Dichlorobenzene	8.010	146	409587	37.90	ng	99
15) Benzyl Alcohol	7.904	79	332015	40.54	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	416339	38.04	ng	99
17) 2-Methylphenol	8.110	107	316066	39.62	ng	99
18) Hexachloroethane	8.728	117	158167	37.21	ng	99
19) n-Nitroso-di-n-propyla...	8.463	70	291961	39.16	ng	99
20) 3+4-Methylphenols	8.434	107	429326	39.56	ng	99
22) Acetophenone	8.475	105	597464	38.47	ng	99
24) Nitrobenzene	8.851	77	416985	38.50	ng	96
25) Isophorone	9.375	82	821637	38.49	ng	99
26) 2-Nitrophenol	9.557	139	218211	41.12	ng	95
27) 2,4-Dimethylphenol	9.622	122	369418	39.48	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	493722	38.71	ng	100
29) 2,4-Dichlorophenol	10.093	162	364373	40.19	ng	97
30) 1,2,4-Trichlorobenzene	10.298	180	389362	38.11	ng	98
31) Naphthalene	10.481	128	1226624	38.07	ng	100
32) Benzoic acid	9.781	122	223660	36.46	ng	98
33) 4-Chloroaniline	10.598	127	524873	40.37	ng	99
34) Hexachlorobutadiene	10.763	225	246776	37.29	ng	98
35) Caprolactam	11.387	113	130399	39.75	ng	99
36) 4-Chloro-3-methylphenol	11.740	107	431344	39.01	ng	100
37) 2-Methylnaphthalene	12.098	142	789724	37.85	ng	99
38) 1-Methylnaphthalene	12.316	142	833521	37.34	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	444420	39.13	ng	100
41) Hexachlorocyclopentadiene	12.445	237	305575	44.37	ng	98
43) 2,4,6-Trichlorophenol	12.716	196	305651	41.55	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	336252	41.06	ng	97
46) 1,1'-Biphenyl	13.116	154	1124669	38.91	ng	99
47) 2-Chloronaphthalene	13.157	162	864853	39.24	ng	98
48) 2-Nitroaniline	13.369	65	264965	40.60	ng	97
49) Acenaphthylene	14.010	152	1419821	38.49	ng	100
50) Dimethylphthalate	13.751	163	1155211	38.75	ng	99
51) 2,6-Dinitrotoluene	13.875	165	247537	39.32	ng	99
52) Acenaphthene	14.357	154	803755	37.90	ng	99
53) 3-Nitroaniline	14.210	138	262737	40.87	ng	100
54) 2,4-Dinitrophenol	14.428	184	135624	37.83	ng	96
55) Dibenzofuran	14.698	168	1282228	37.91	ng	99
56) 4-Nitrophenol	14.545	139	202528	38.70	ng	97
57) 2,4-Dinitrotoluene	14.675	165	354817	39.97	ng	99
58) Fluorene	15.357	166	1059642	38.42	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	298327	39.27	ng	99
60) Diethylphthalate	15.134	149	1150091	38.17	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	526066	38.25	ng	99
62) 4-Nitroaniline	15.398	138	265185	42.72	ng	98
63) Azobenzene	15.657	77	1000653	38.82	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	203200	40.30	ng	98
66) n-Nitrosodiphenylamine	15.575	169	920187	38.38	ng	100
67) 4-Bromophenyl-phenylether	16.269	248	357846	38.91	ng	97
68) Hexachlorobenzene	16.386	284	446142	38.18	ng	99
69) Atrazine	16.551	200	347661	39.57	ng	99
70) Pentachlorophenol	16.739	266	269781	41.12	ng	99
71) Phenanthrene	17.133	178	1629118	37.55	ng	99
72) Anthracene	17.228	178	1669395	38.24	ng	100
73) Carbazole	17.510	167	1563685	39.57	ng	99
74) Di-n-butylphthalate	18.098	149	1978741	38.94	ng	100
75) Fluoranthene	19.222	202	1956043	38.57	ng	100
77) Benzidine	19.422	184	1023514	43.25	ng	99
78) Pyrene	19.604	202	1992845	38.28	ng	100
80) Butylbenzylphthalate	20.557	149	938210	40.52	ng	96
81) Benzo(a)anthracene	21.510	228	2121561	38.89	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	861323	42.51	ng	100
83) Chrysene	21.574	228	1976940	38.23	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	1375919	40.43	ng	100
85) Di-n-octyl phthalate	22.698	149	2321673	41.72	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2879864m	38.85	ng	
88) Benzo(b)fluoranthene	23.768	252	2283322	39.29	ng	100
89) Benzo(k)fluoranthene	23.833	252	2289000	38.22	ng	100
90) Benzo(a)pyrene	24.668	252	2177020	39.00	ng	99
91) Dibenzo(a,h)anthracene	28.615	278	2374558	39.38	ng	100
92) Benzo(g,h,i)perylene	29.686	276	2333151	38.91	ng	100

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

ICAL Form

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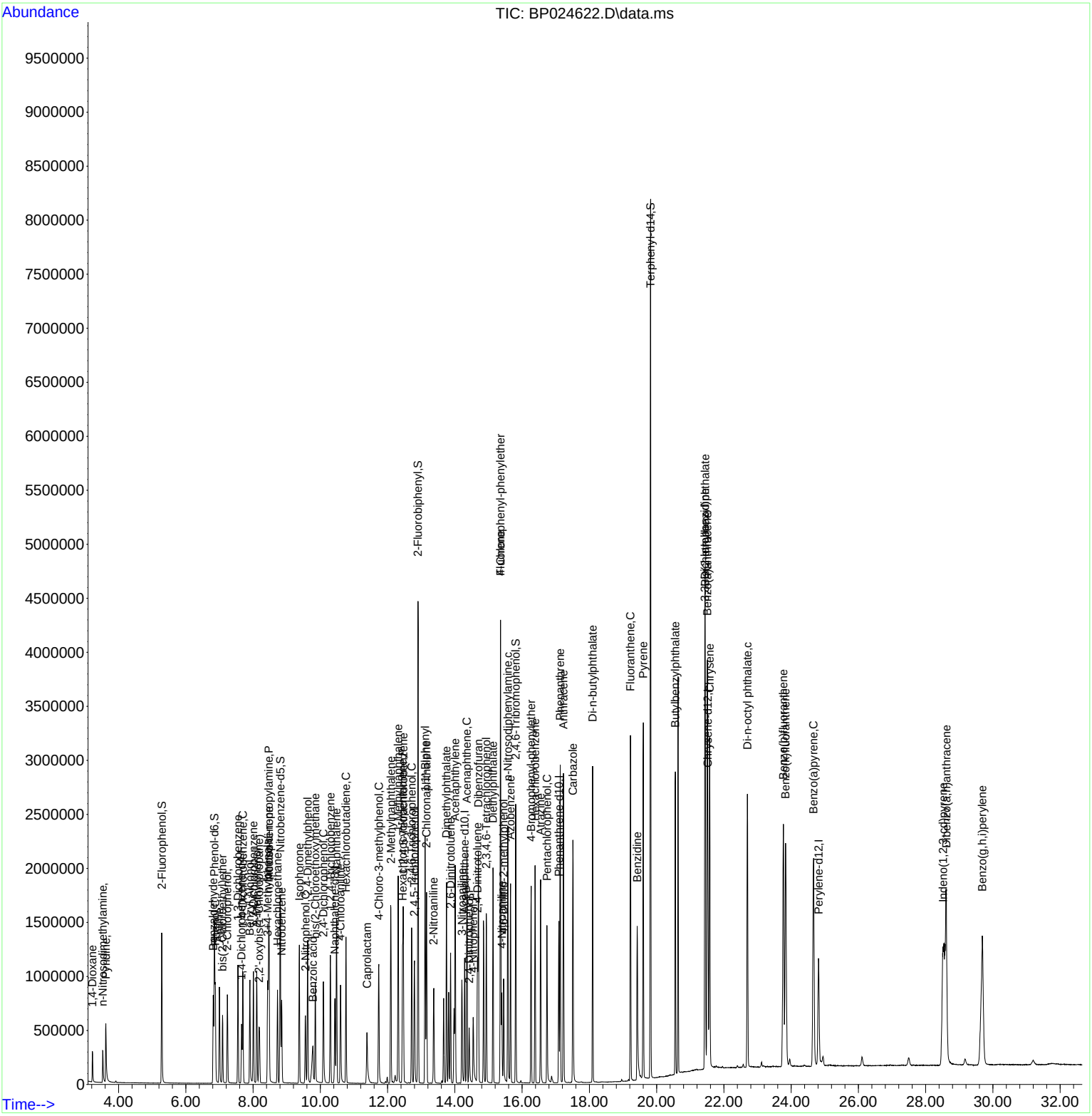
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

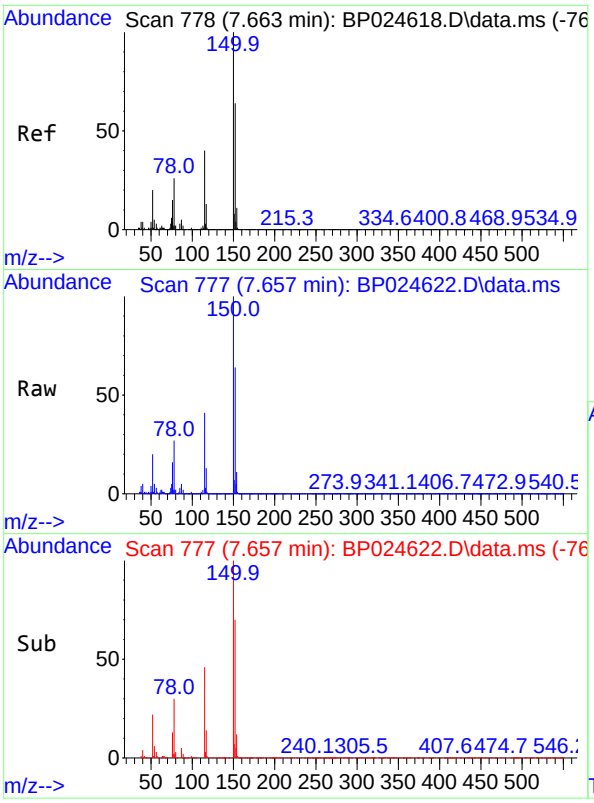
Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

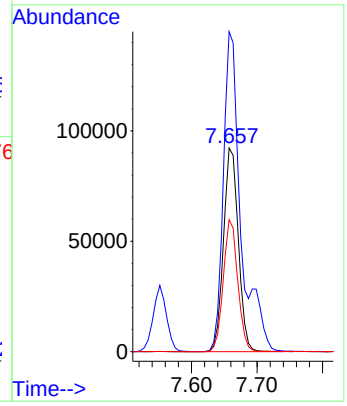




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 14442

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	64.8	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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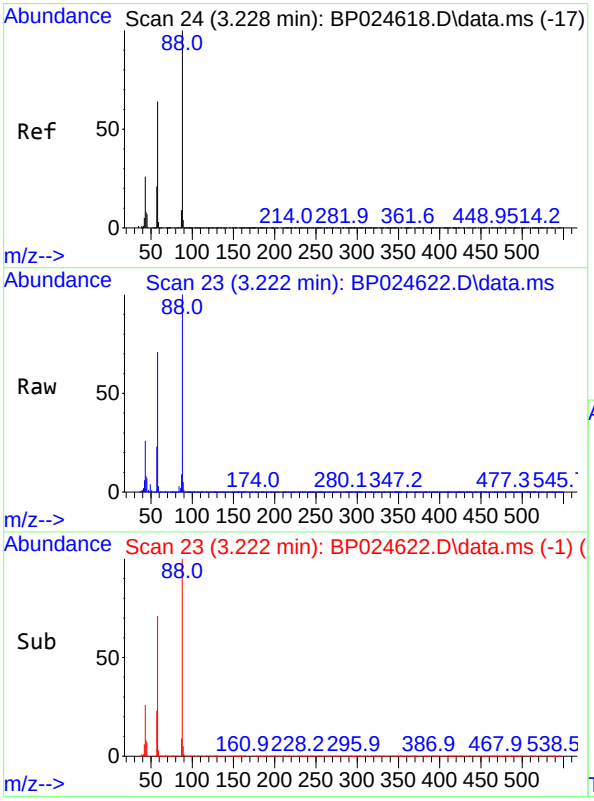
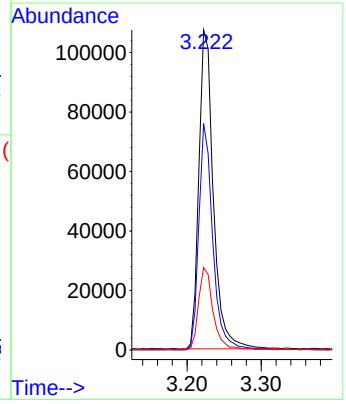
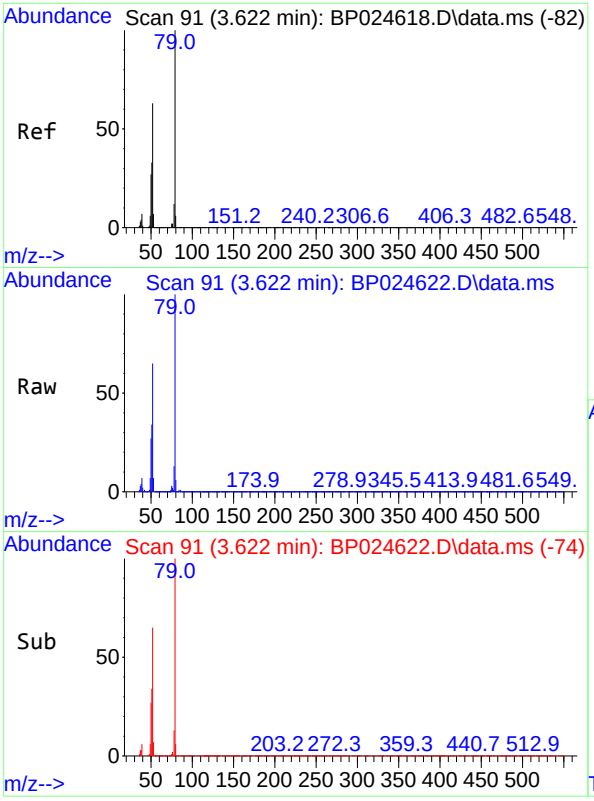


#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 88 Resp: 145871

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	25.9	21.4	32.0

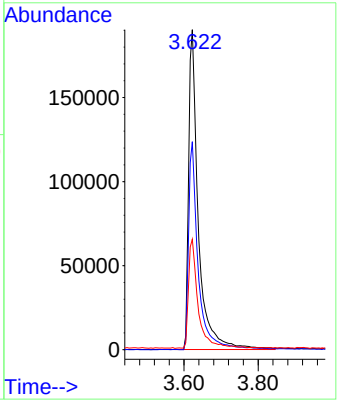




#3
Pyridine
Concen: 39.53 ng
RT: 3.622 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 79 Resp: 34751

Ion	Ratio	Lower	Upper
79	100		
52	65.0	50.2	75.2
51	34.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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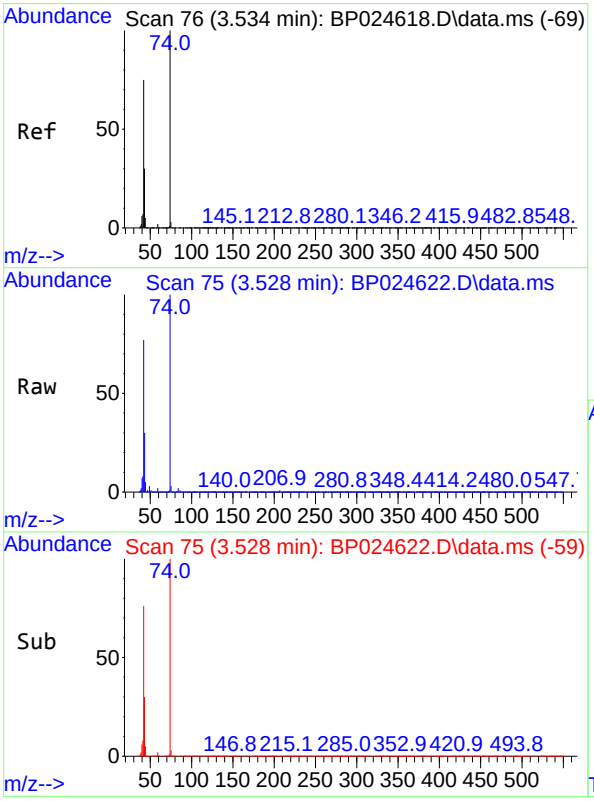
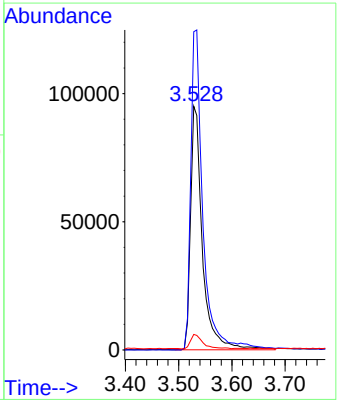
Supervised By :Jagrut Upadhyay 05/14/2025

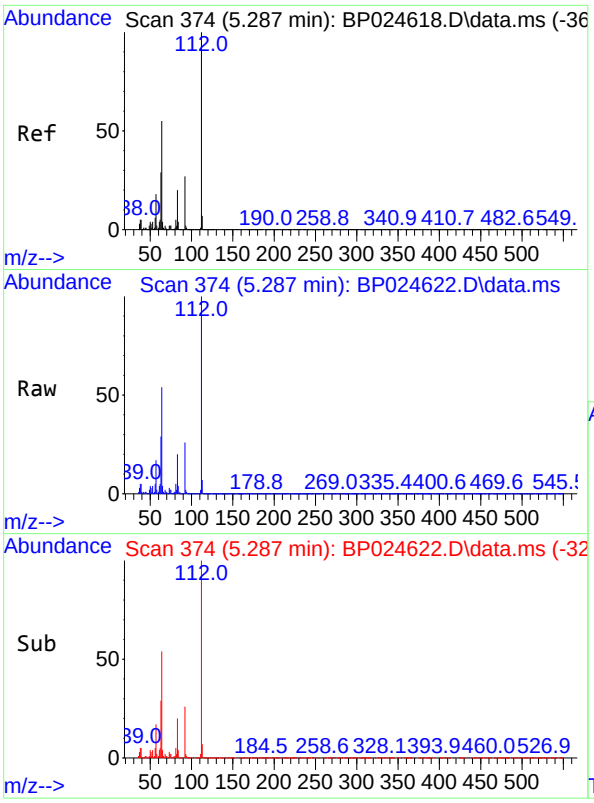


#4
n-Nitrosodimethylamine
Concen: 37.98 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 42 Resp: 147412

Ion	Ratio	Lower	Upper
42	100		
74	130.6	106.2	159.2
44	6.4	5.4	8.2

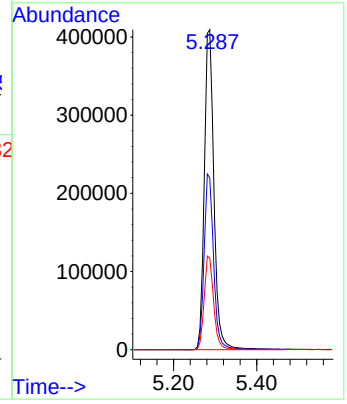




#5
2-Fluorophenol
Concen: 77.95 ng
RT: 5.287 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:112 Resp: 65824

Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.1	66.1
63	28.7	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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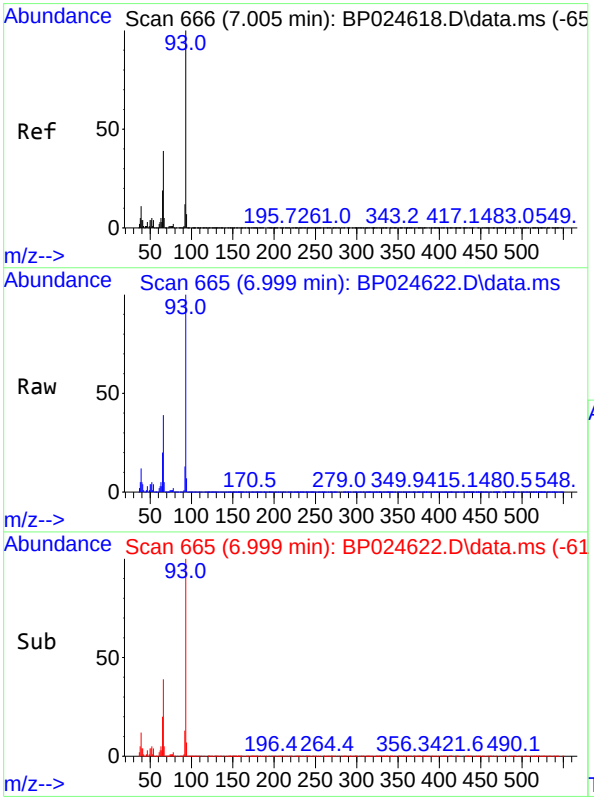
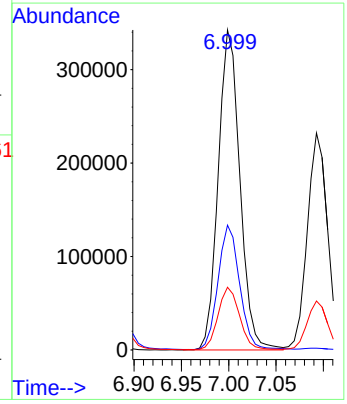
Supervised By :Jagrut Upadhyay 05/14/2025

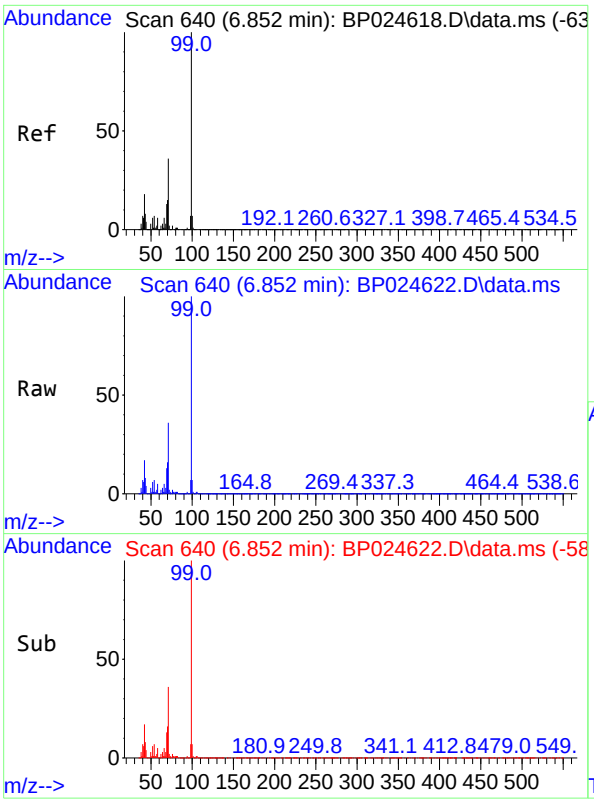


#6
Aniline
Concen: 39.21 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 545556

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.0	46.6
65	19.6	15.5	23.3

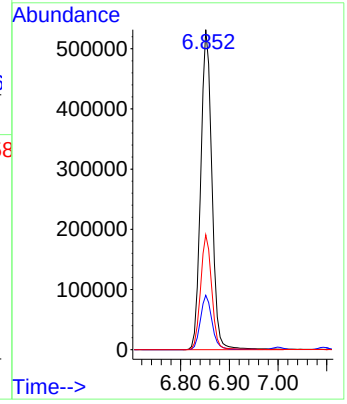




#7
Phenol-d6
Concen: 79.09 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 99 Resp: 85233

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.4	21.6
71	35.9	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
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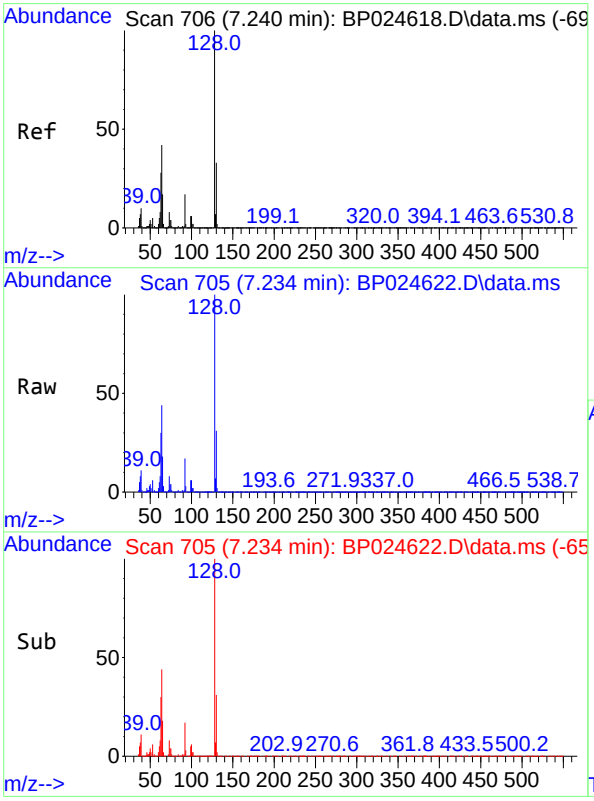
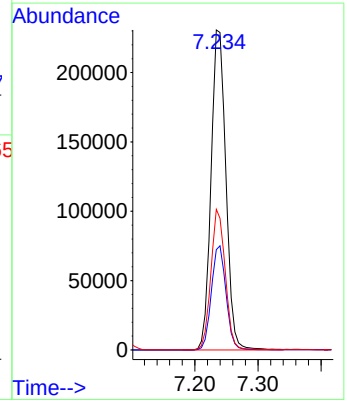
Supervised By :Jagrut Upadhyay 05/14/2025

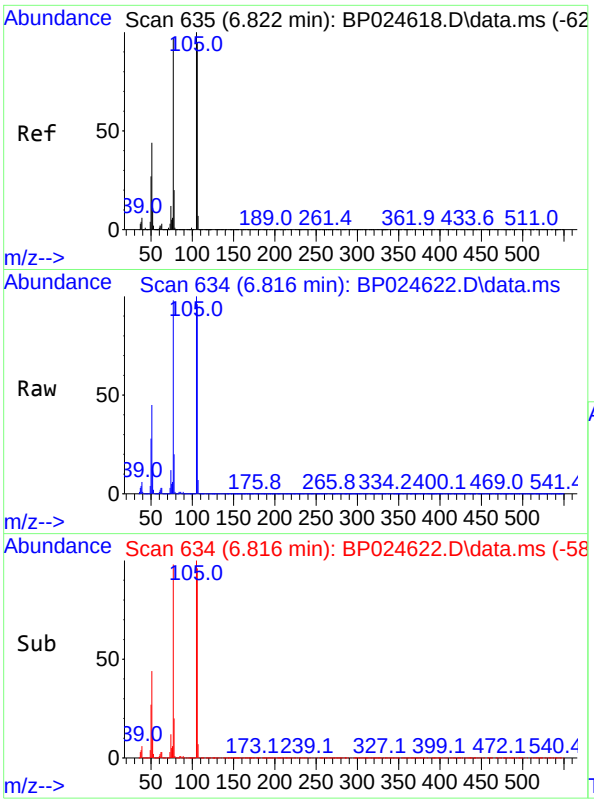


#8
2-Chlorophenol
Concen: 39.37 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 377358

Ion	Ratio	Lower	Upper
128	100		
130	31.4	13.0	53.0
64	43.9	22.3	62.3

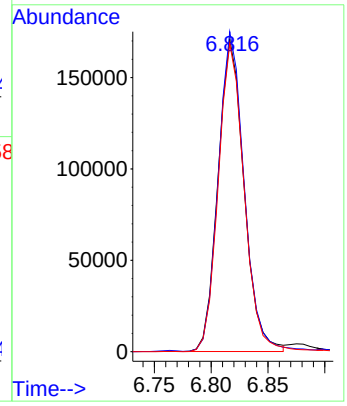




#9
Benzaldehyde
Concen: 39.03 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 27230

Ion	Ratio	Lower	Upper
77	100		
105	102.4	83.3	123.3
106	98.5	78.0	118.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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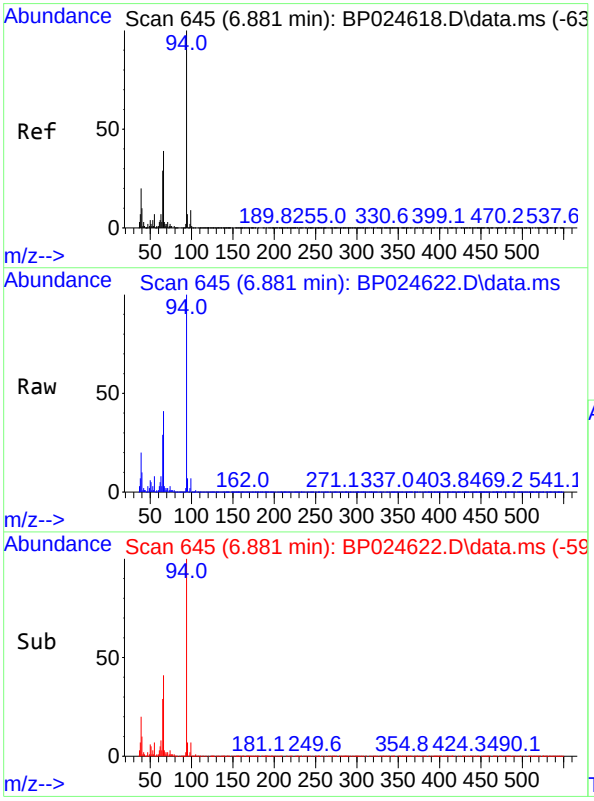
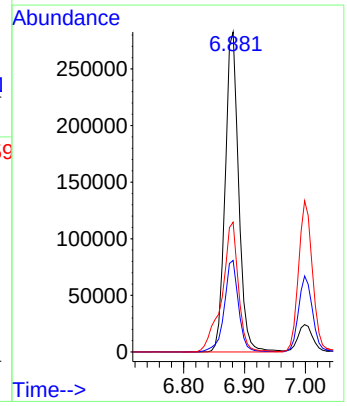
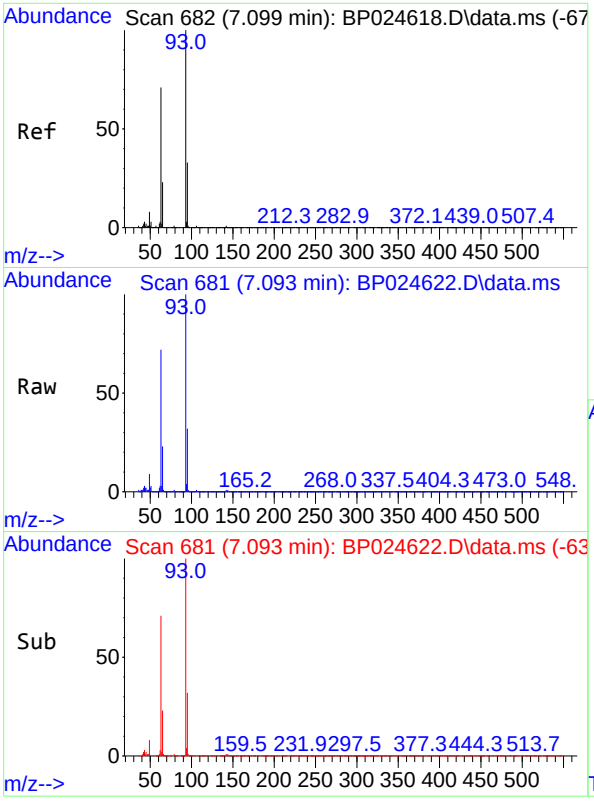


#10
Phenol
Concen: 39.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 94 Resp: 434788

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	40.5	19.4	59.4

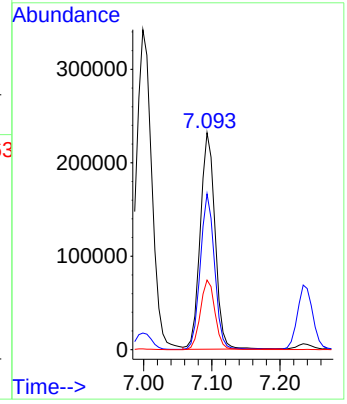




#11
bis(2-Chloroethyl)ether
Concen: 37.94 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 34674

Ion	Ratio	Lower	Upper
93	100		
63	71.9	50.6	90.6
95	32.1	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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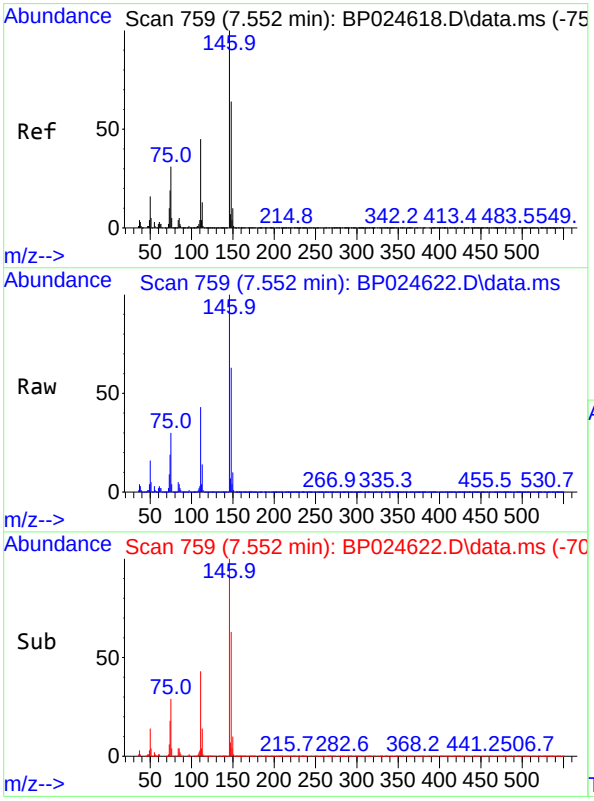
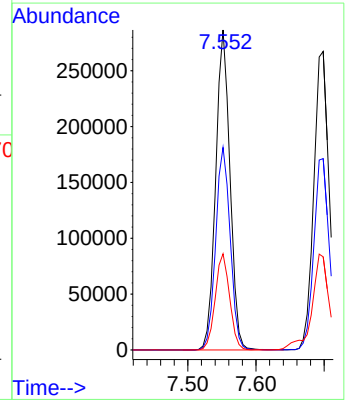
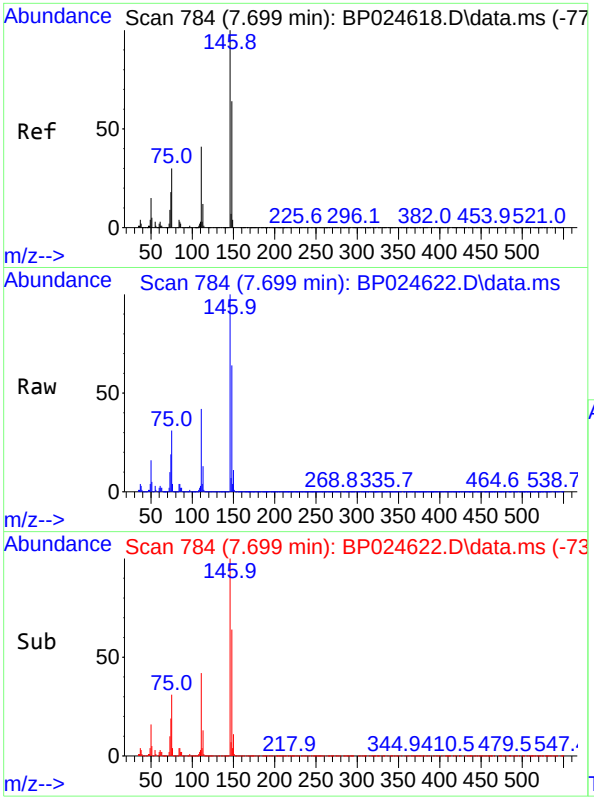


#12
1,3-Dichlorobenzene
Concen: 37.89 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 417899

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
75	30.1	25.2	37.8

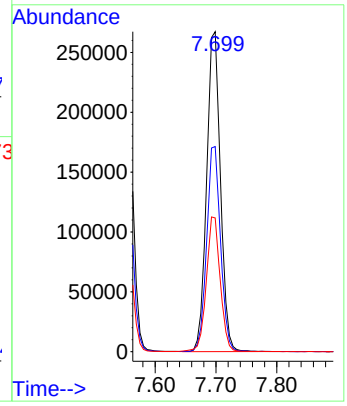




#13
1,4-Dichlorobenzene
Concen: 37.90 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 42043

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	41.8	33.0	49.6



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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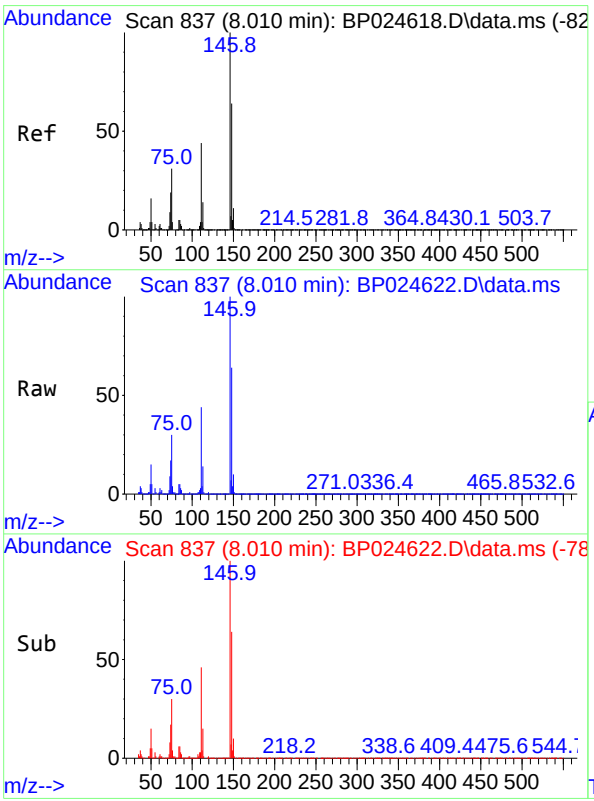
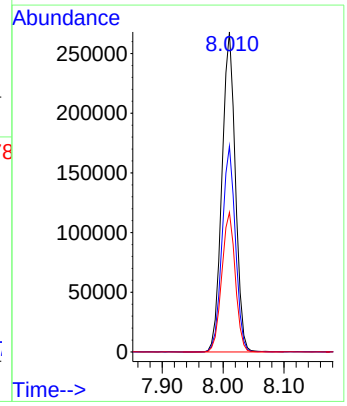
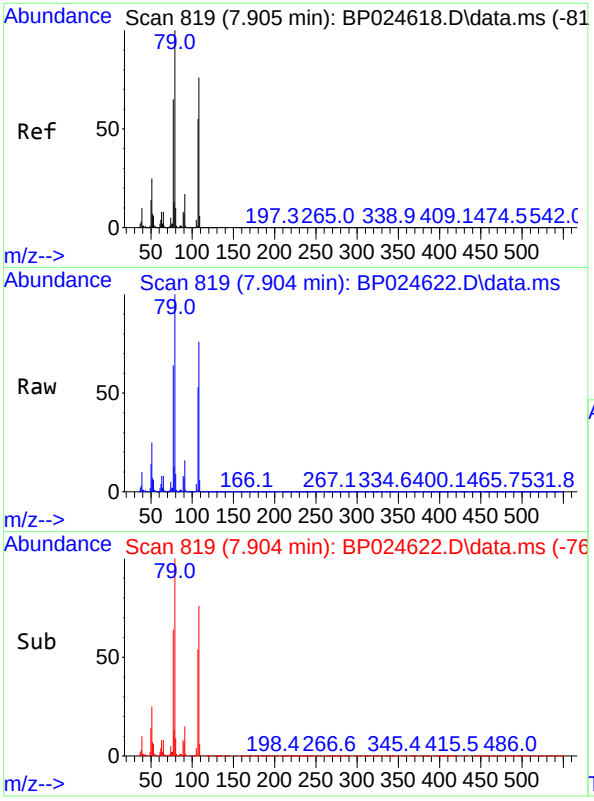


#14
1,2-Dichlorobenzene
Concen: 37.90 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 409587

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.6	35.2	52.8





#15
Benzyl Alcohol
Concen: 40.54 ng
RT: 7.904 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 79 Resp: 33201

Ion	Ratio	Lower	Upper
79	100		
108	76.4	60.8	91.2
77	63.7	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
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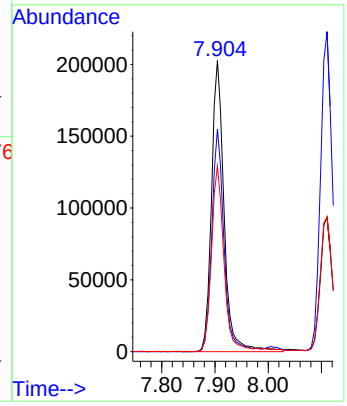
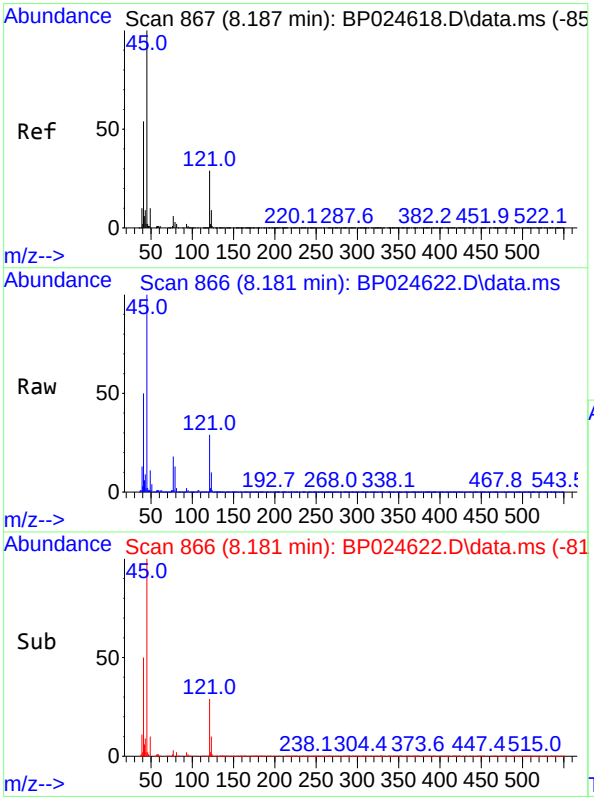
Supervised By :Jagrut Upadhyay 05/14/2025

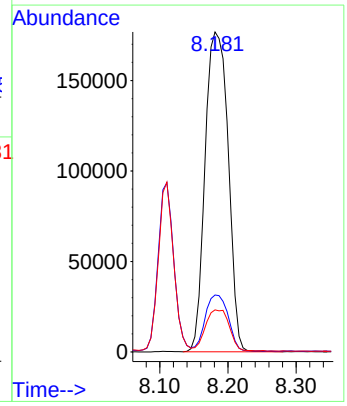


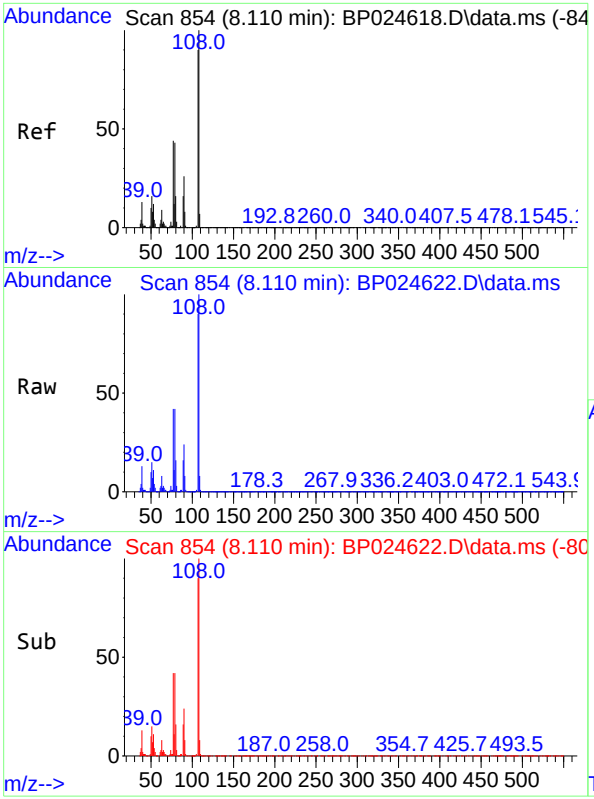


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.04 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 45 Resp: 416339

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.2	0.0	34.0

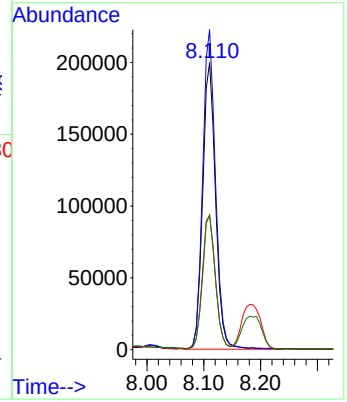




#17
2-Methylphenol
Concen: 39.62 ng
RT: 8.110 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 31606

Ion	Ratio	Lower	Upper
107	100		
108	111.5	88.9	133.3
77	46.8	39.0	58.6
79	47.0	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
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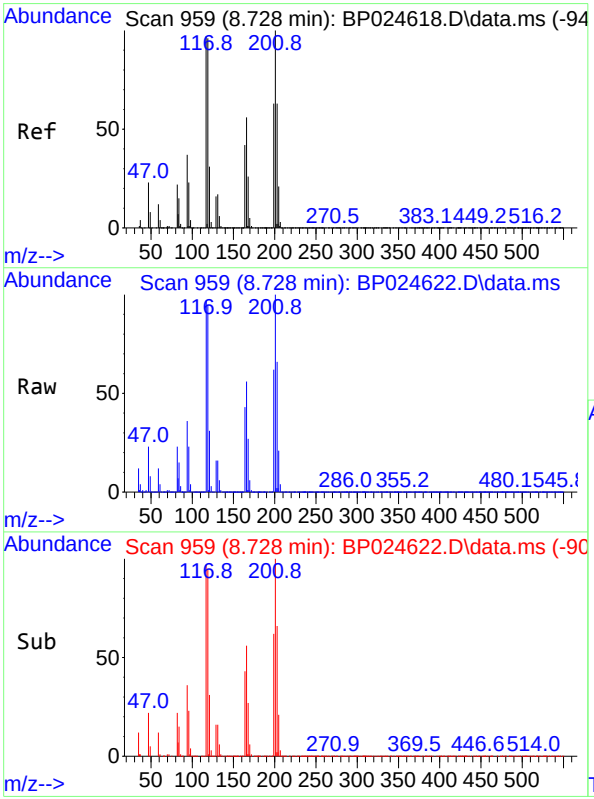
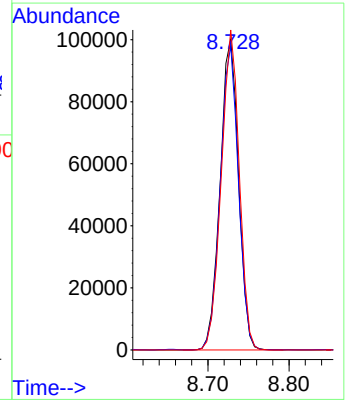
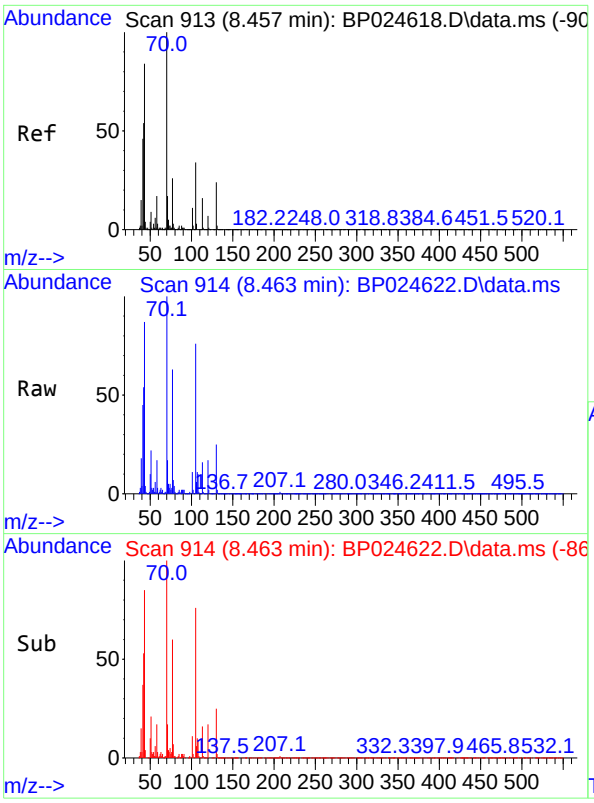


#18
Hexachloroethane
Concen: 37.21 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:117 Resp: 158167

Ion	Ratio	Lower	Upper
117	100		
119	97.9	79.4	119.0
201	103.0	82.7	124.1

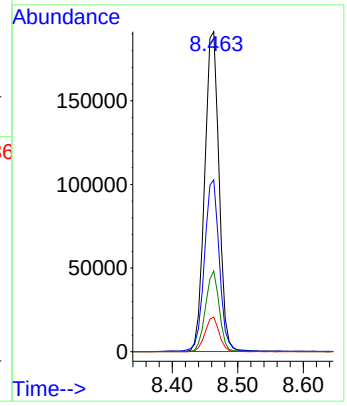




#19
n-Nitroso-di-n-propylamine
Concen: 39.16 ng
RT: 8.463 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 70 Resp: 29196

Ion	Ratio	Lower	Upper
70	100		
42	53.7	43.0	64.6
101	10.8	8.7	13.1
130	25.2	19.4	29.0



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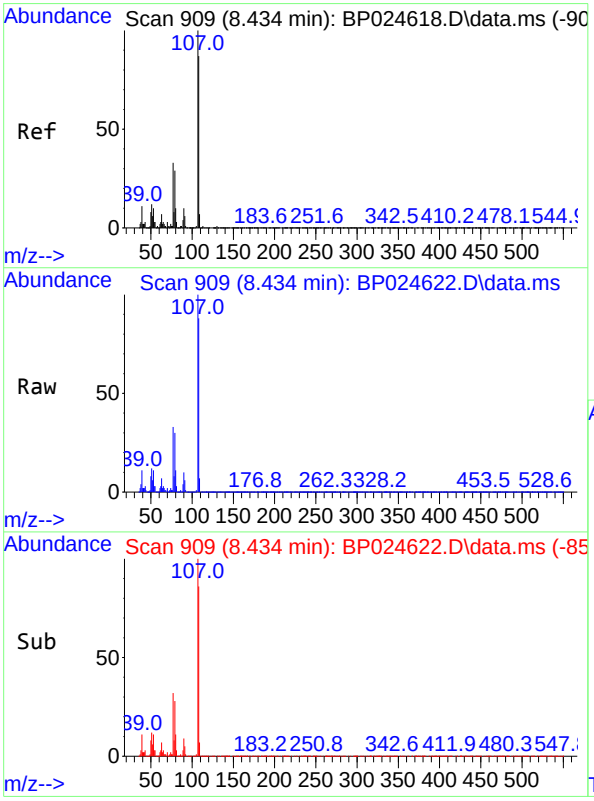
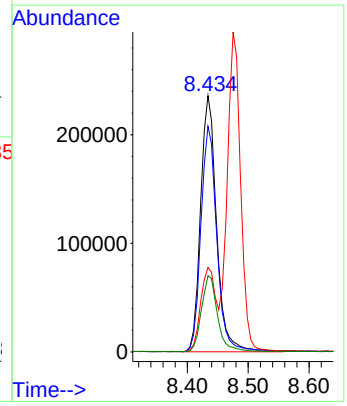
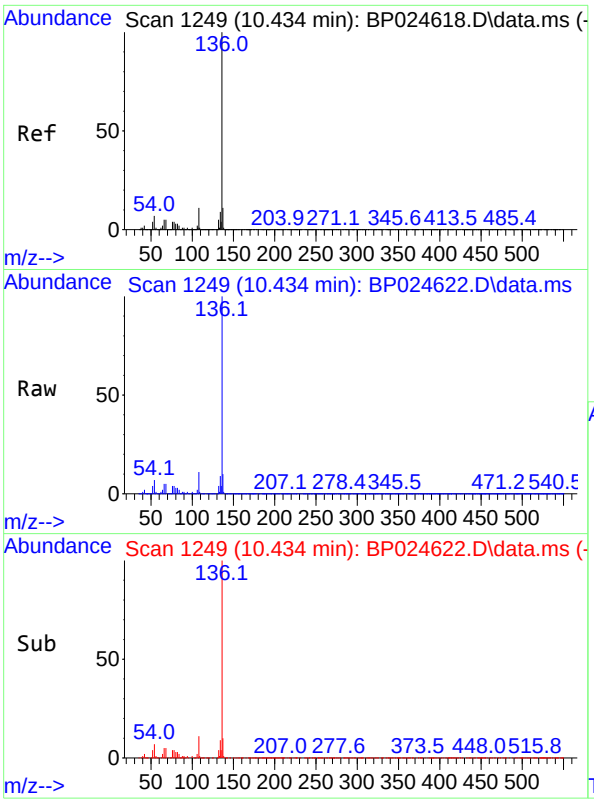


#20
3+4-Methylphenols
Concen: 39.56 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 429326

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.0	13.1	53.1
79	29.8	8.9	48.9

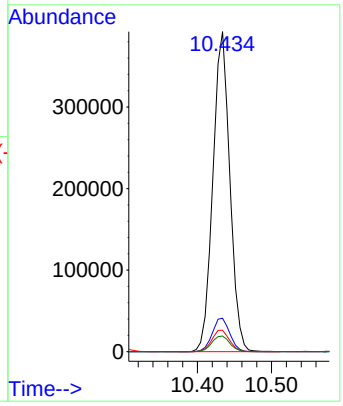




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:136 Resp: 62177

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.7	5.5	8.3
68	4.9	4.2	6.2



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ClientSampleId :
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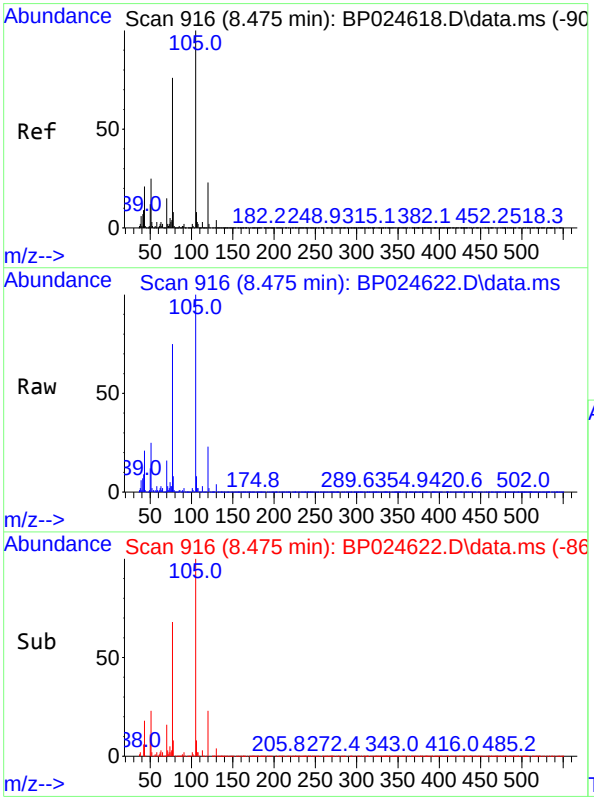
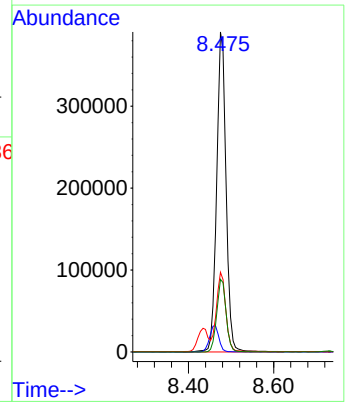
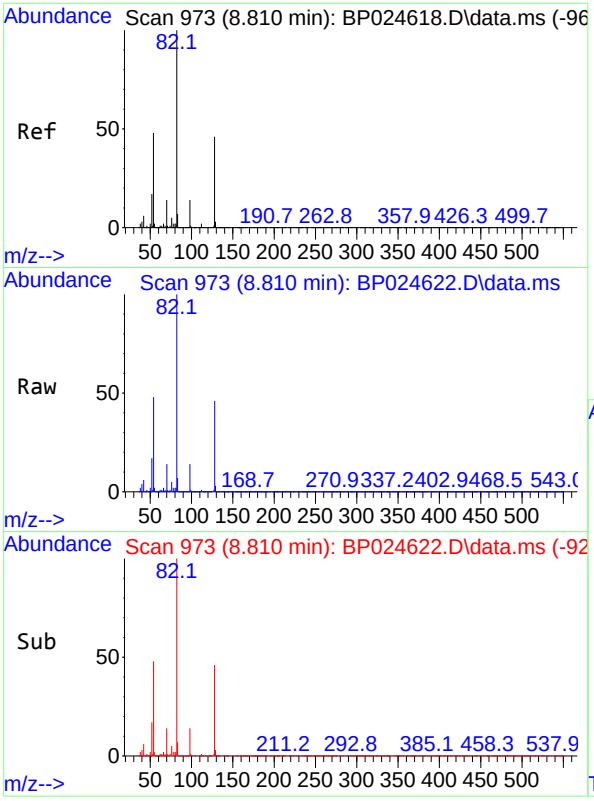


#22
Acetophenone
Concen: 38.47 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:105 Resp: 597464

Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.0	3.0
51	24.9	20.4	30.6
120	22.7	18.1	27.1

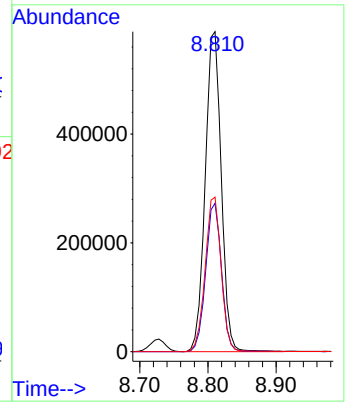




#23
Nitrobenzene-d5
Concen: 78.23 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 96266

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.4
54	48.3	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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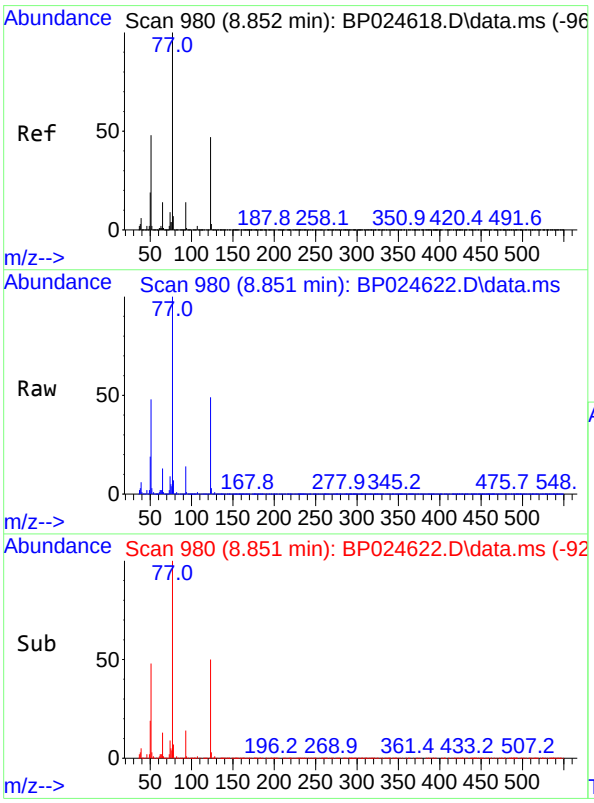
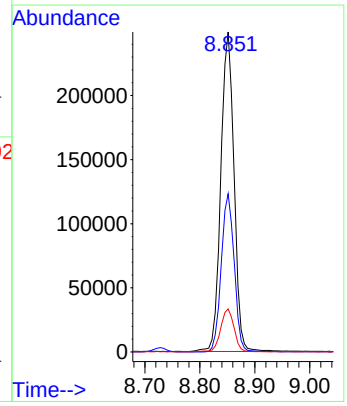
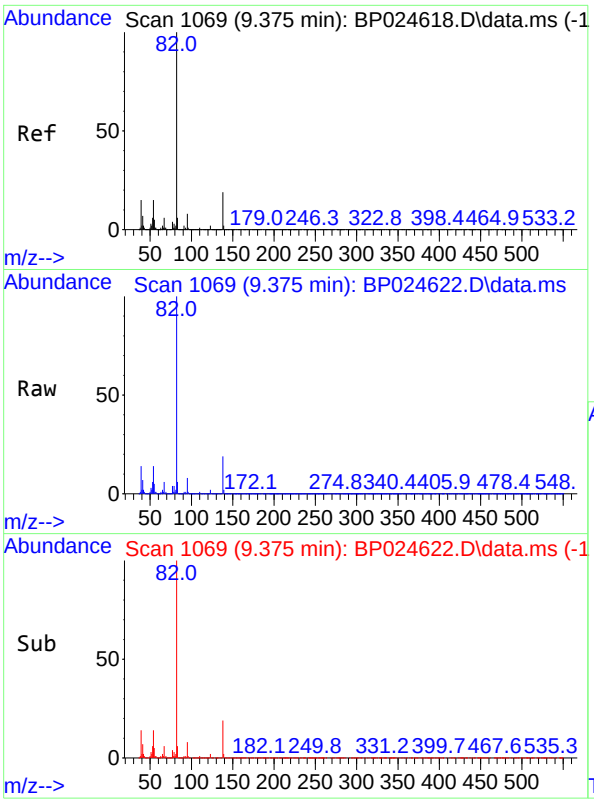


#24
Nitrobenzene
Concen: 38.50 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 416985

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.4	56.0
65	13.5	11.3	16.9

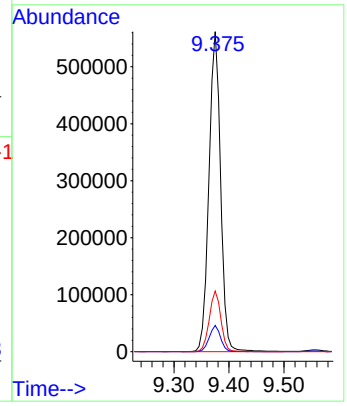




#25
Isophorone
Concen: 38.49 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 8216

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.3	9.5
138	18.9	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
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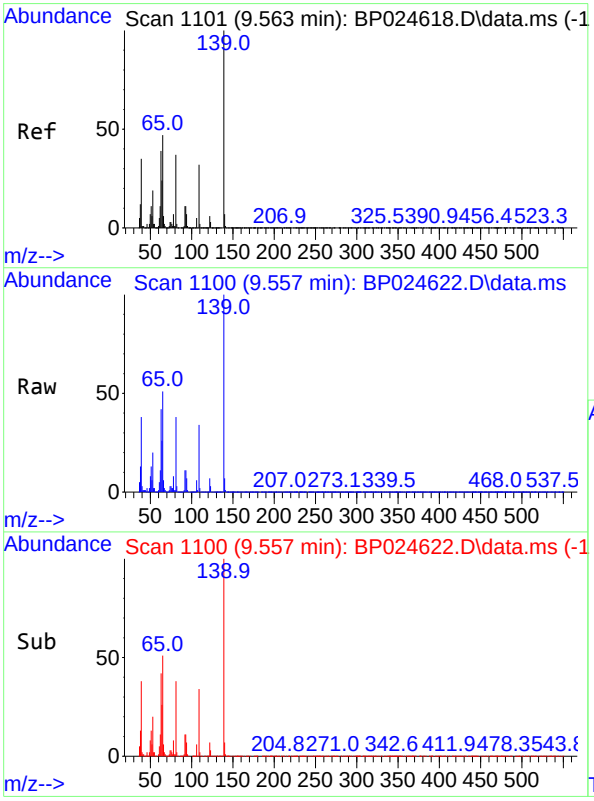
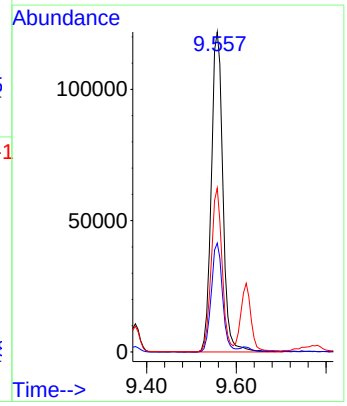
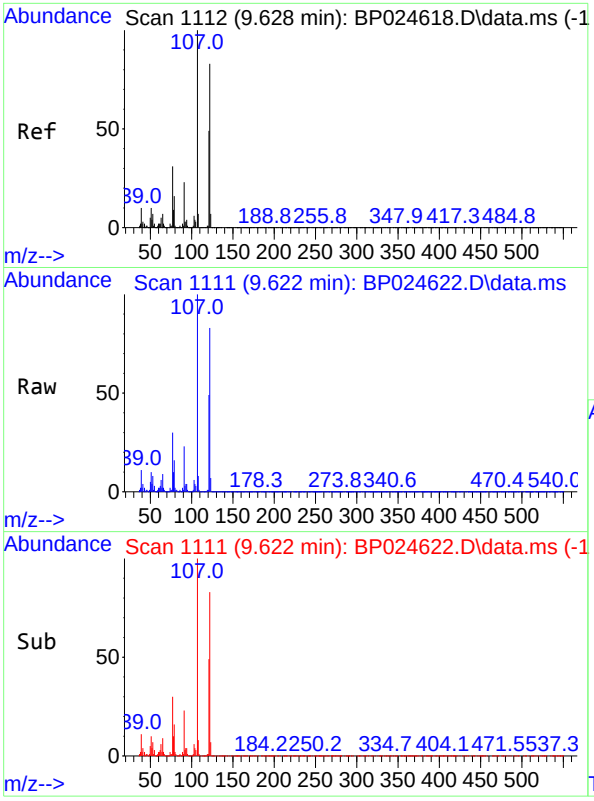


#26
2-Nitrophenol
Concen: 41.12 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 218211

Ion	Ratio	Lower	Upper
139	100		
109	34.0	25.9	38.9
65	51.3	37.9	56.9

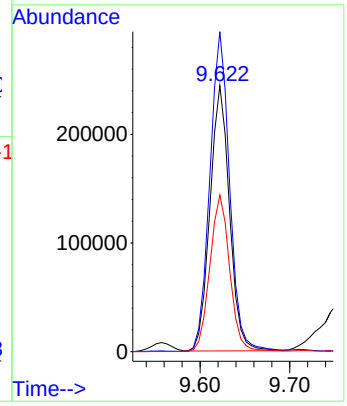




#27
2,4-Dimethylphenol
Concen: 39.48 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 369418

Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.2
121	58.9	47.6	71.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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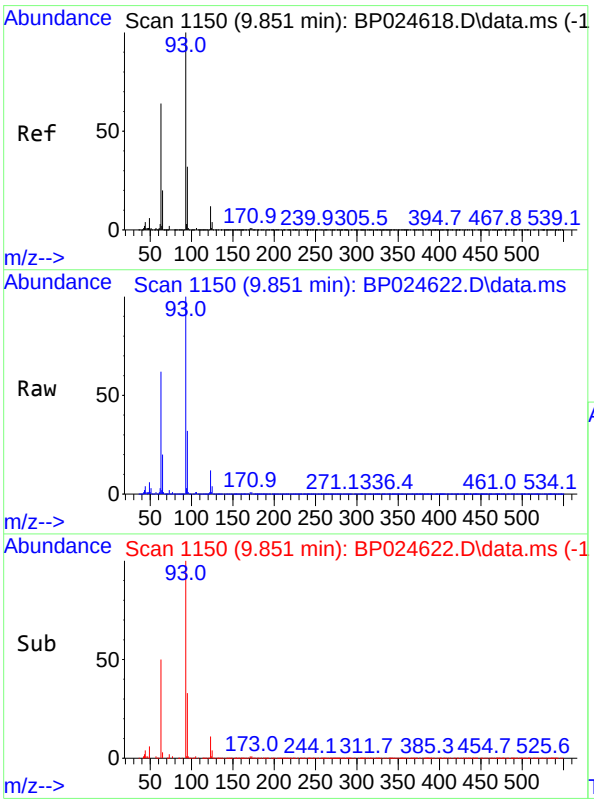
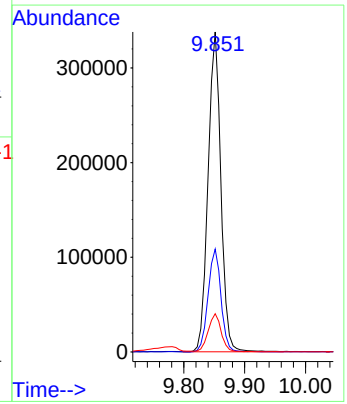
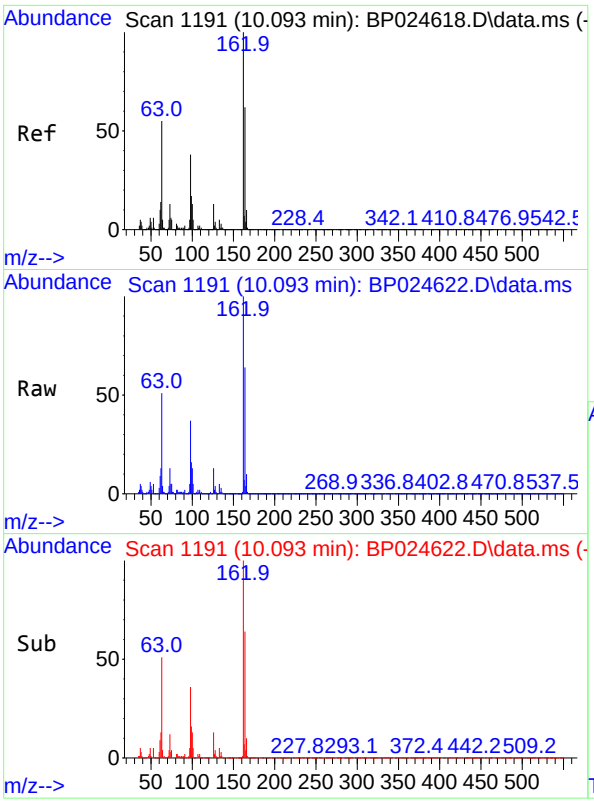


#28
bis(2-Chloroethoxy)methane
Concen: 38.71 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 493722

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	12.0	9.7	14.5

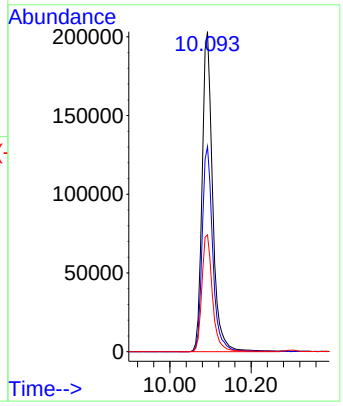




#29
2,4-Dichlorophenol
Concen: 40.19 ng
RT: 10.093 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 36437

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	36.5	18.4	58.4



Instrument :
BNA_P
ClientSampleId :
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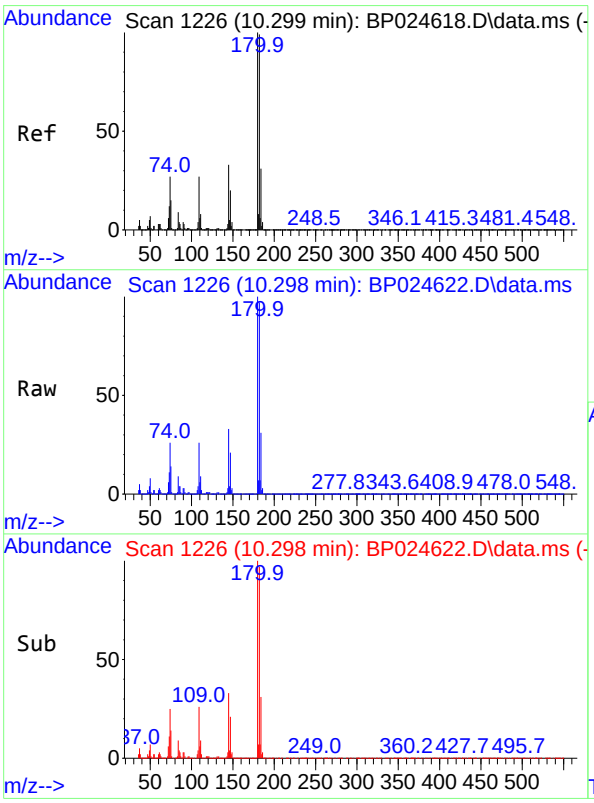
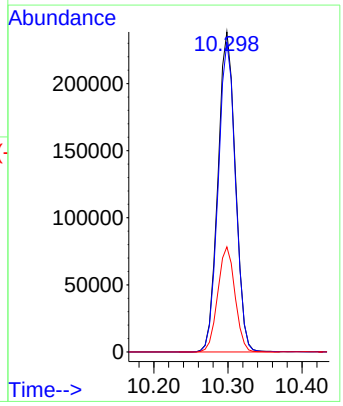
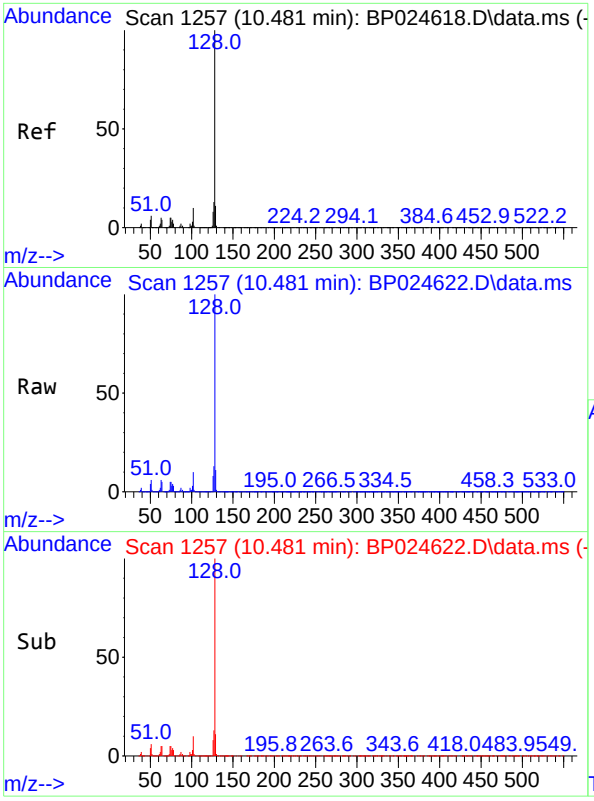


#30
1,2,4-Trichlorobenzene
Concen: 38.11 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:180 Resp: 389362

Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.0	118.4
145	32.9	26.6	39.8

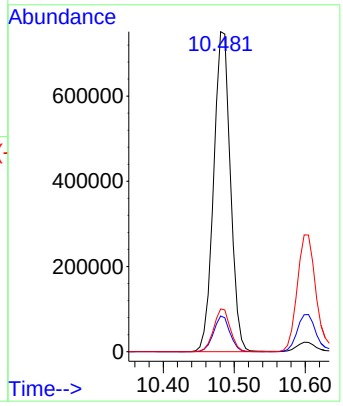




#31
Naphthalene
Concen: 38.07 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 122662

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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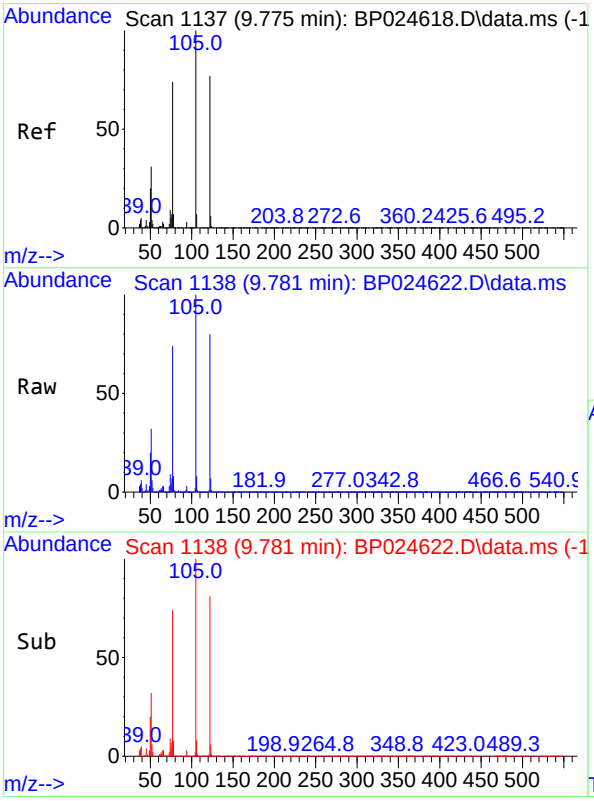
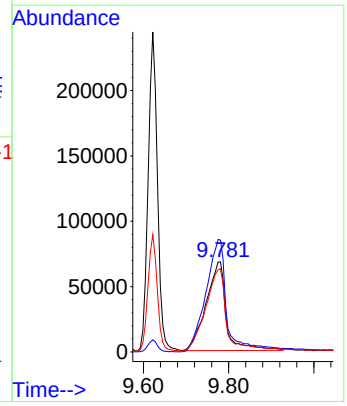
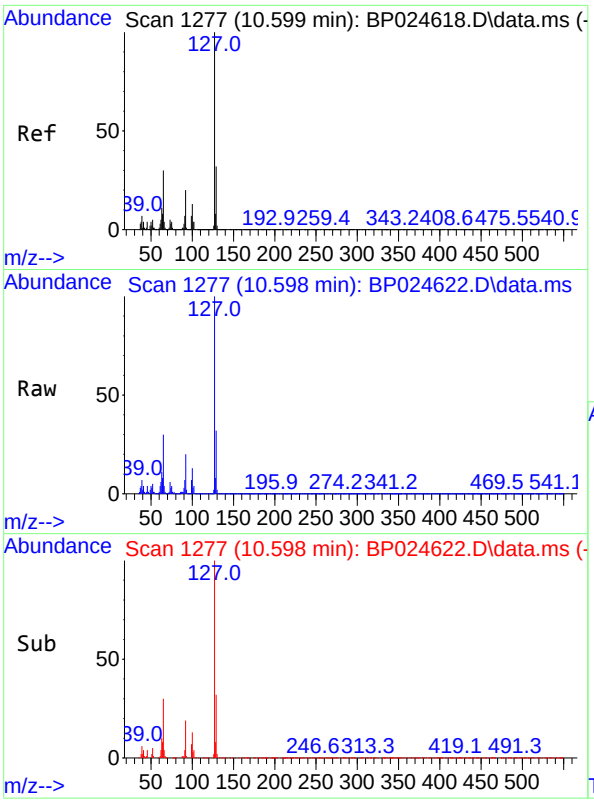


#32
Benzoic acid
Concen: 36.46 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 223660

Ion	Ratio	Lower	Upper
122	100		
105	124.2	106.9	146.9
77	92.5	75.1	115.1

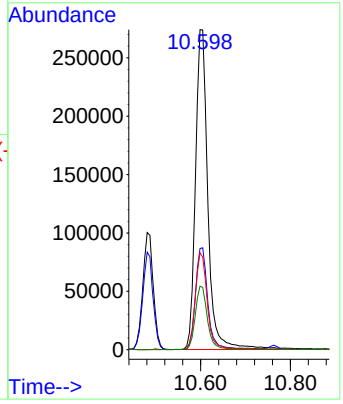




#33
4-Chloroaniline
Concen: 40.37 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:127 Resp: 52487

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.6
65	30.3	23.9	35.9
92	19.9	16.1	24.1



Instrument :
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ClientSampleId :
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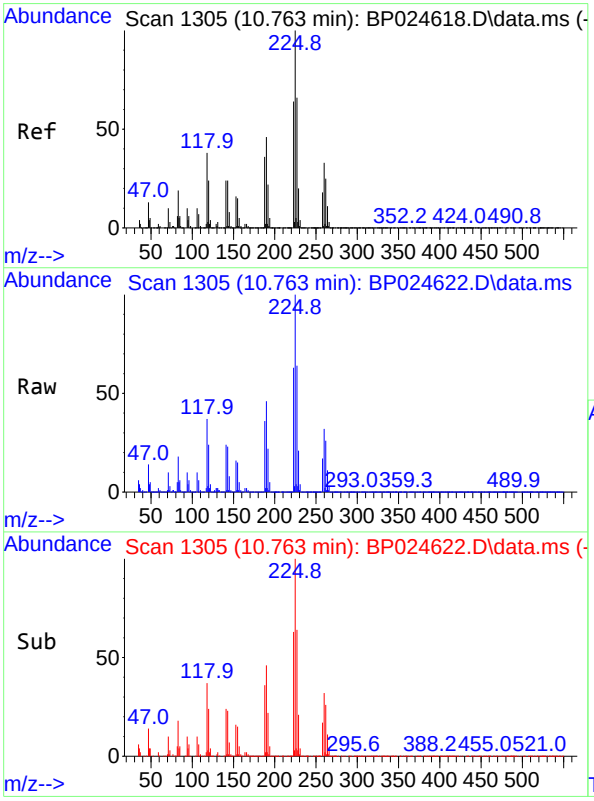
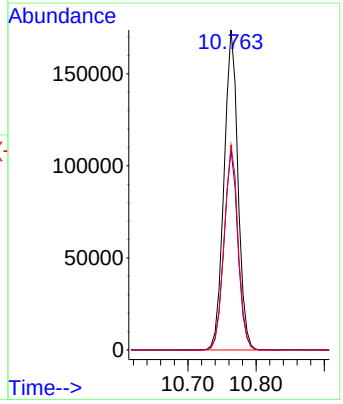
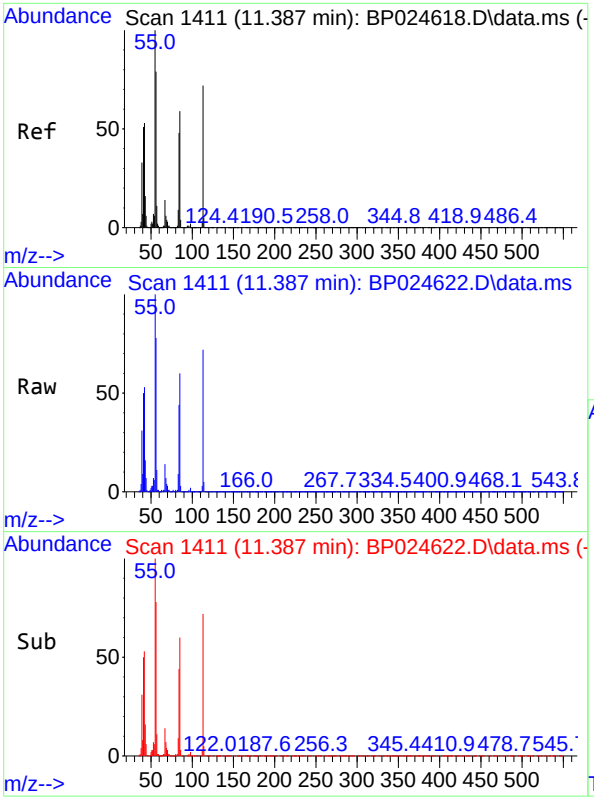


#34
Hexachlorobutadiene
Concen: 37.29 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:225 Resp: 246776

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.0	53.1	79.7

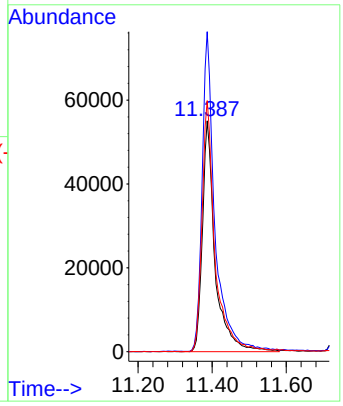




#35
Caprolactam
Concen: 39.75 ng
RT: 11.387 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:113 Resp: 13039

Ion	Ratio	Lower	Upper
113	100		
55	138.6	119.0	159.0
56	108.8	90.3	130.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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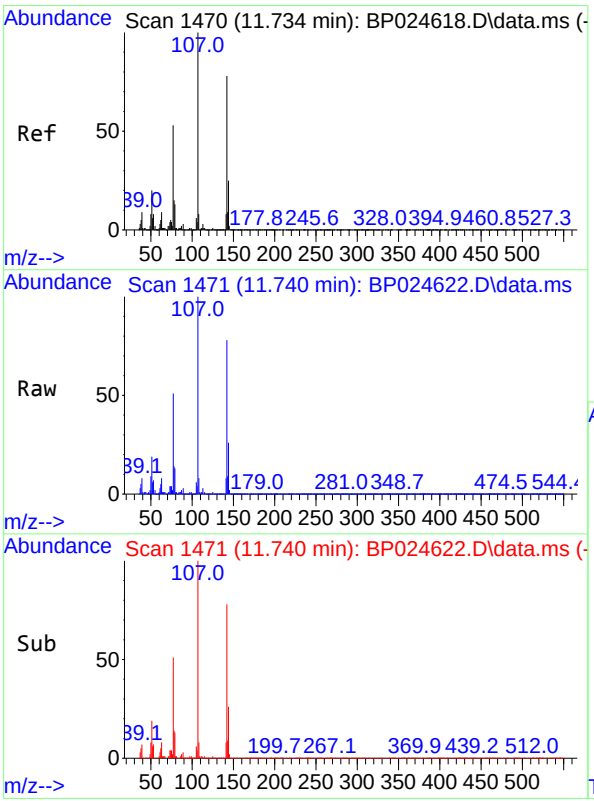
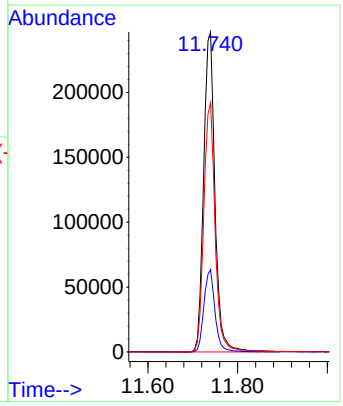
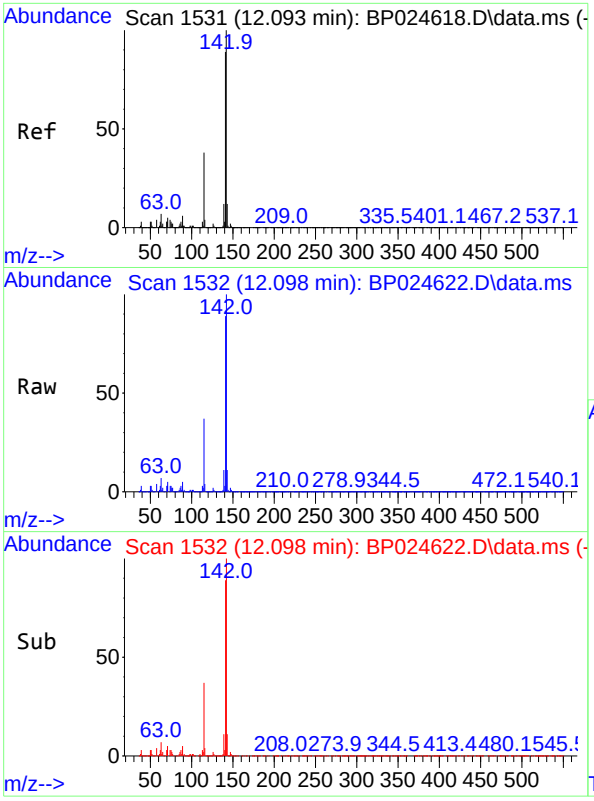


#36
4-Chloro-3-methylphenol
Concen: 39.01 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 431344

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.1	30.1
142	77.8	62.1	93.1

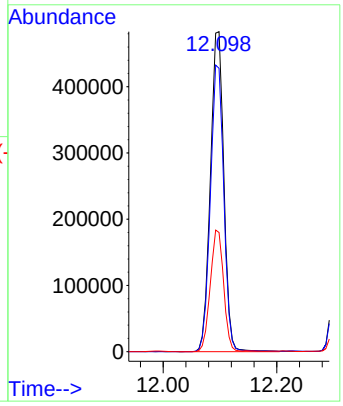




#37
2-Methylnaphthalene
Concen: 37.85 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 78972

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8
115	37.2	30.6	46.0



Instrument :
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ClientSampleId :
ICVBP051325

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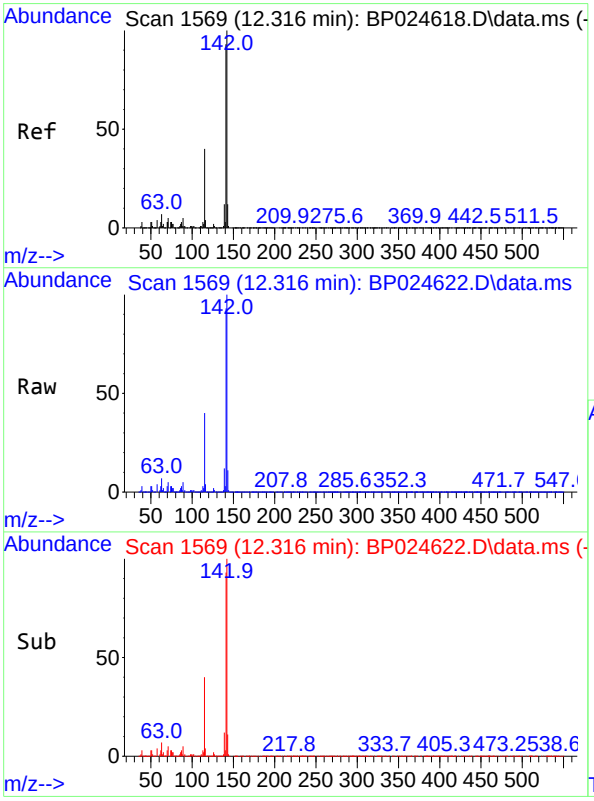
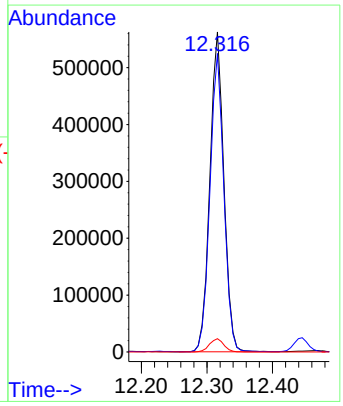
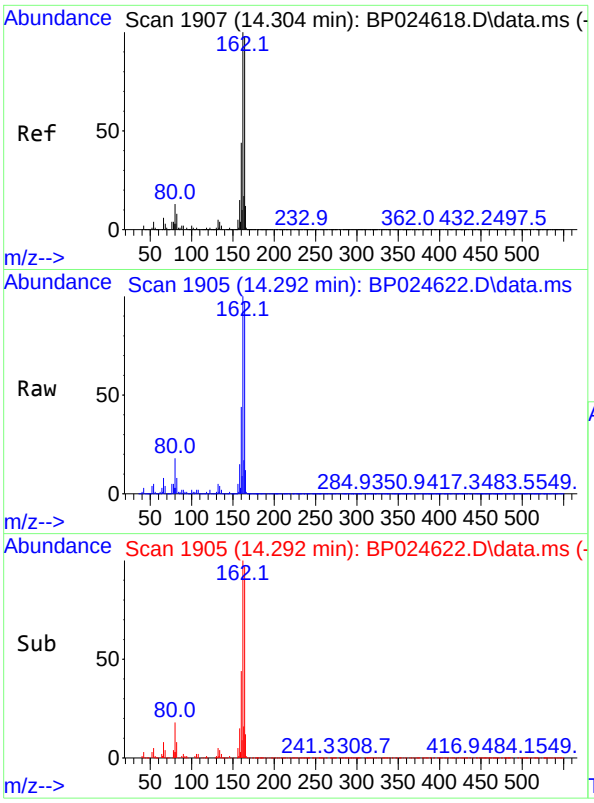


#38
1-Methylnaphthalene
Concen: 37.34 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 833521

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.7	112.1
116	4.2	3.4	5.2

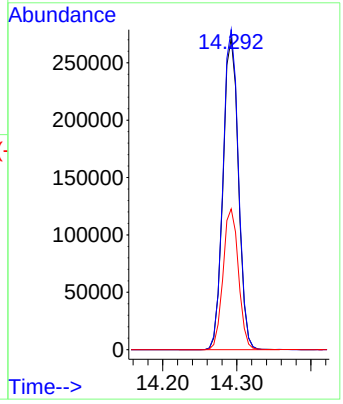




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:164 Resp: 39111

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.2	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
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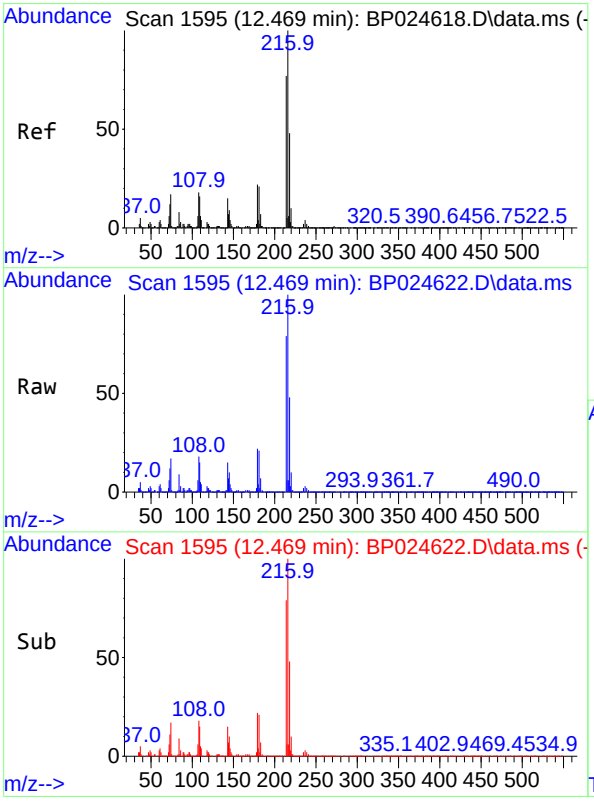
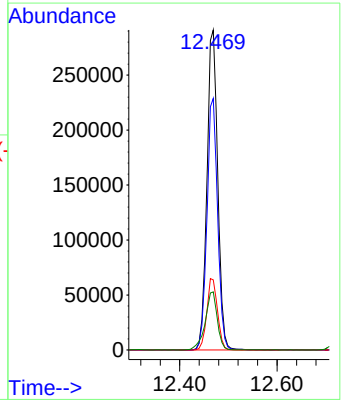
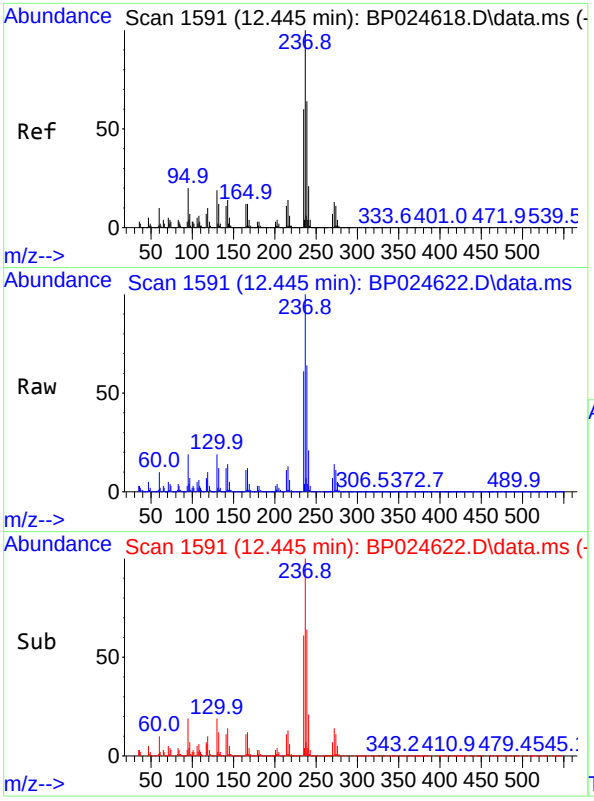


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.13 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:216 Resp: 444420

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.2	17.7	26.5
108	20.3	16.0	24.0

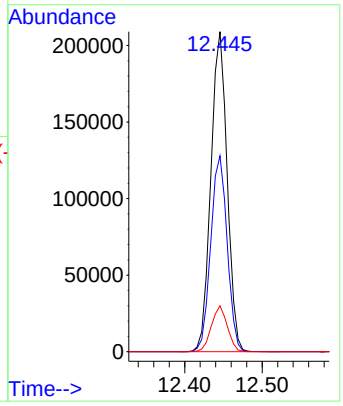




#41
Hexachlorocyclopentadiene
Concen: 44.37 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:237 Resp: 30557

Ion	Ratio	Lower	Upper
237	100		
235	61.2	39.9	79.9
272	14.3	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
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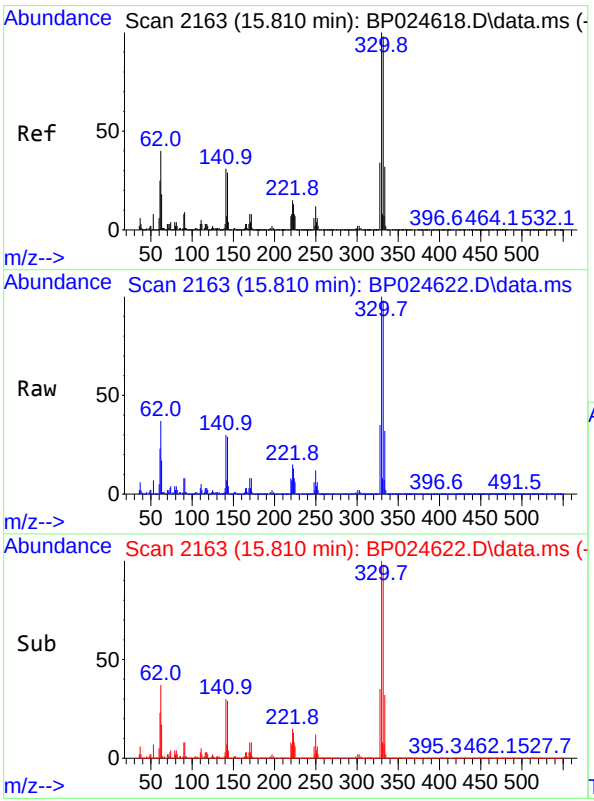
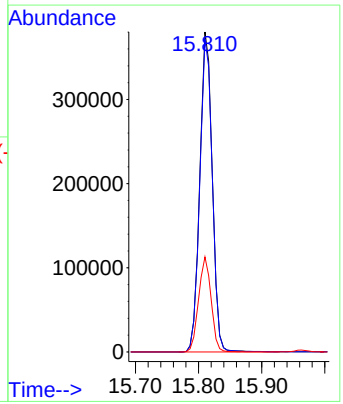
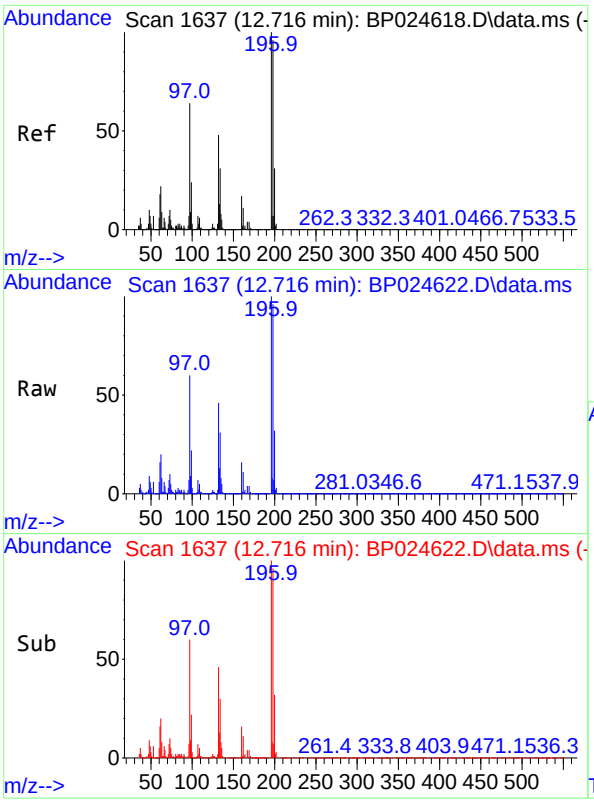


#42
2,4,6-Tribromophenol
Concen: 78.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:330 Resp: 520660

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.2	117.4
141	29.8	24.3	36.5

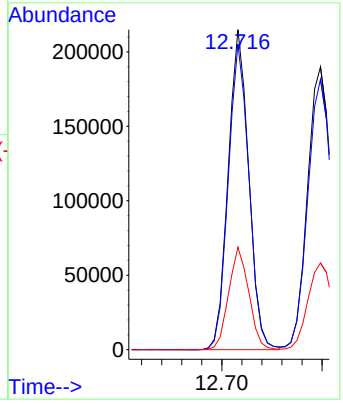




#43
2,4,6-Trichlorophenol
Concen: 41.55 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 30565

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.9	115.3
200	32.0	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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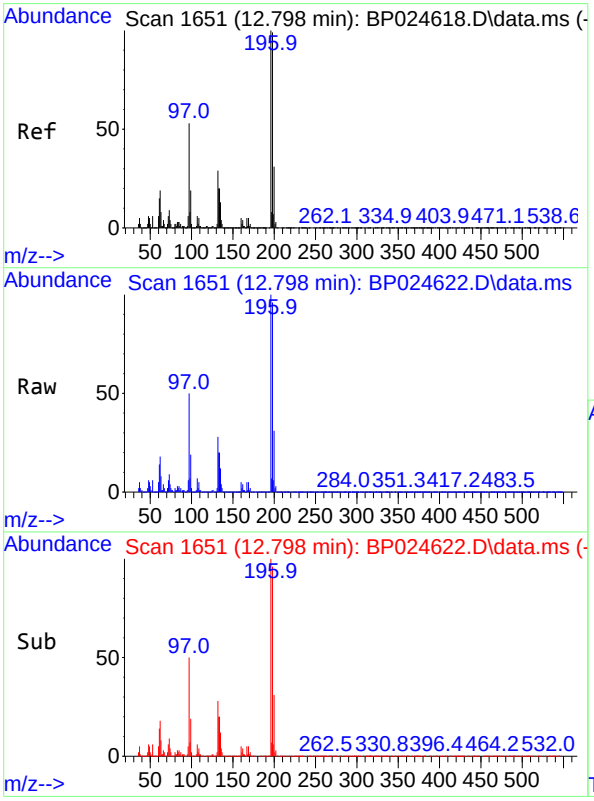
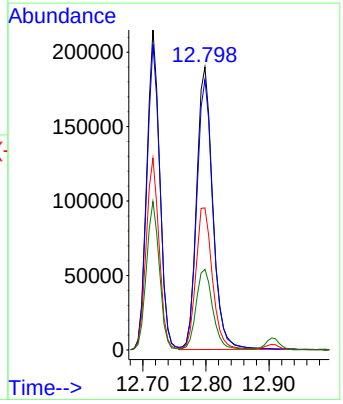
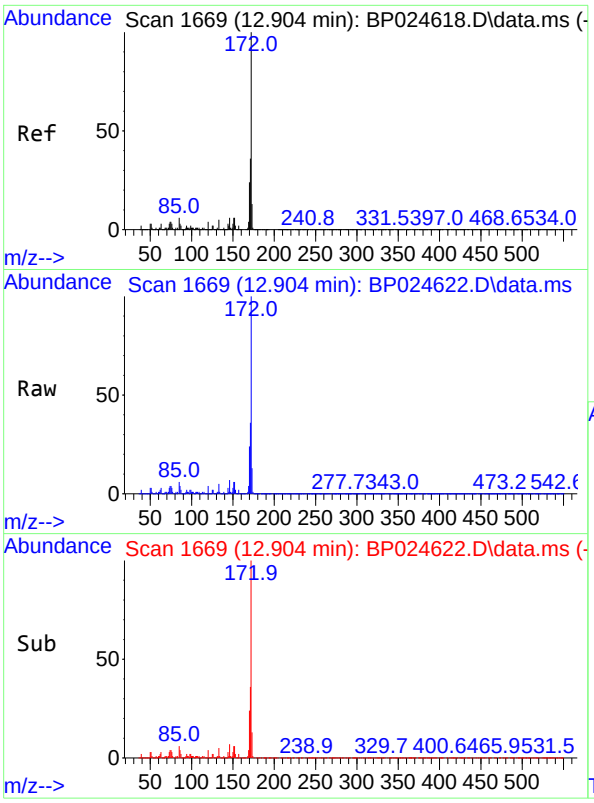


#44
2,4,5-Trichlorophenol
Concen: 41.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 336252

Ion	Ratio	Lower	Upper
196	100		
198	95.6	79.2	118.8
97	50.2	42.3	63.5
132	28.5	23.3	34.9

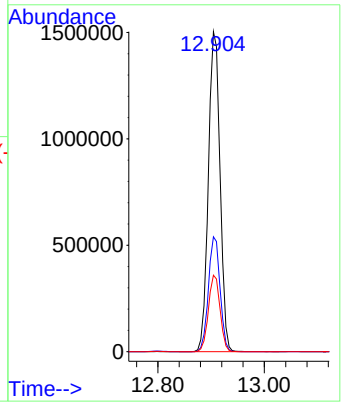




#45
2-Fluorobiphenyl
Concen: 76.73 ng
RT: 12.904 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:172 Resp: 229071

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.9	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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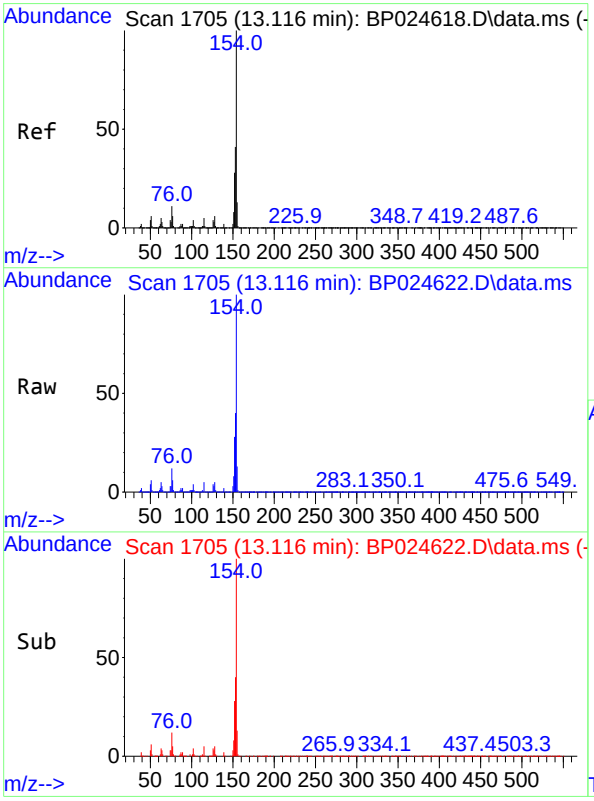
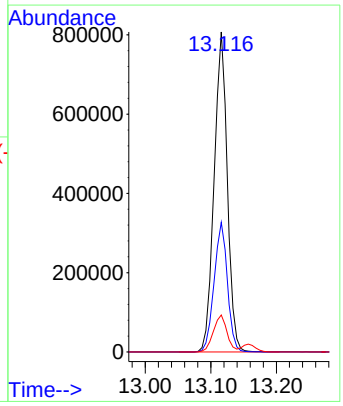
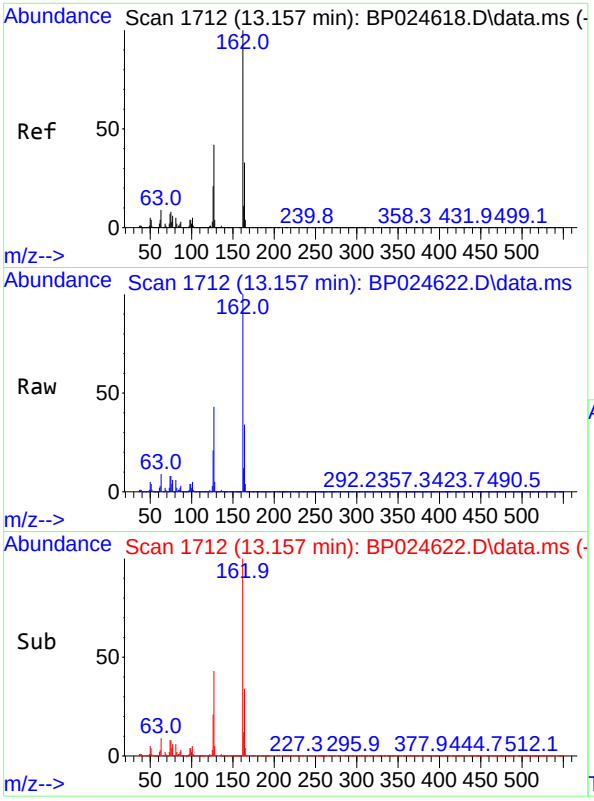


#46
1,1'-Biphenyl
Concen: 38.91 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 1124669

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.0	61.0
76	11.5	0.0	31.5

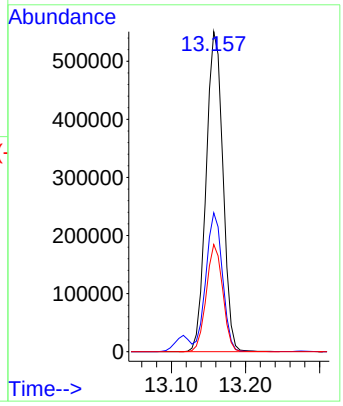




#47
2-Chloronaphthalene
Concen: 39.24 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 86485

Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.8	50.6
164	33.5	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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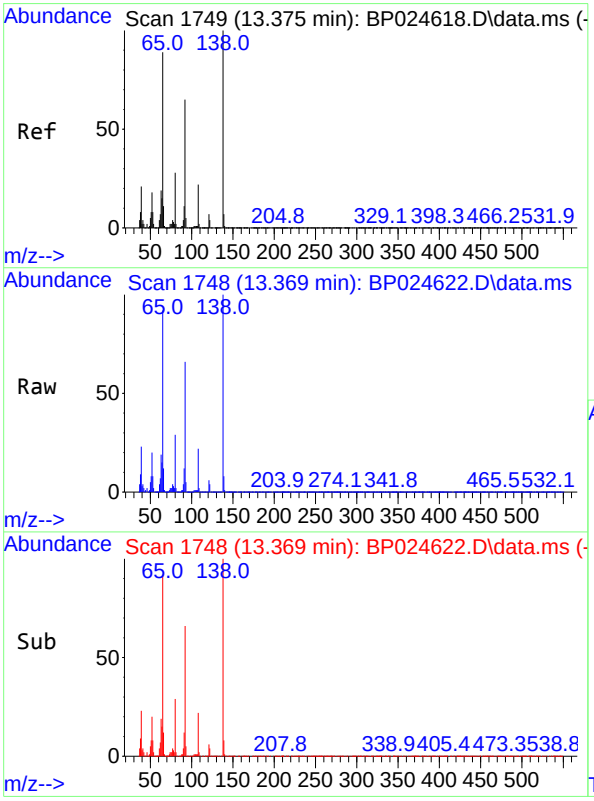
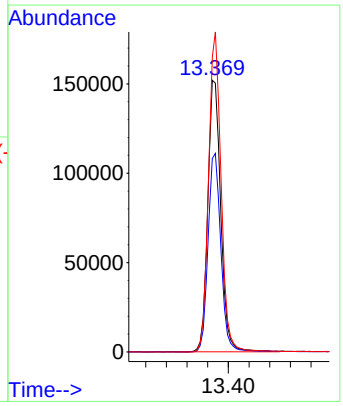
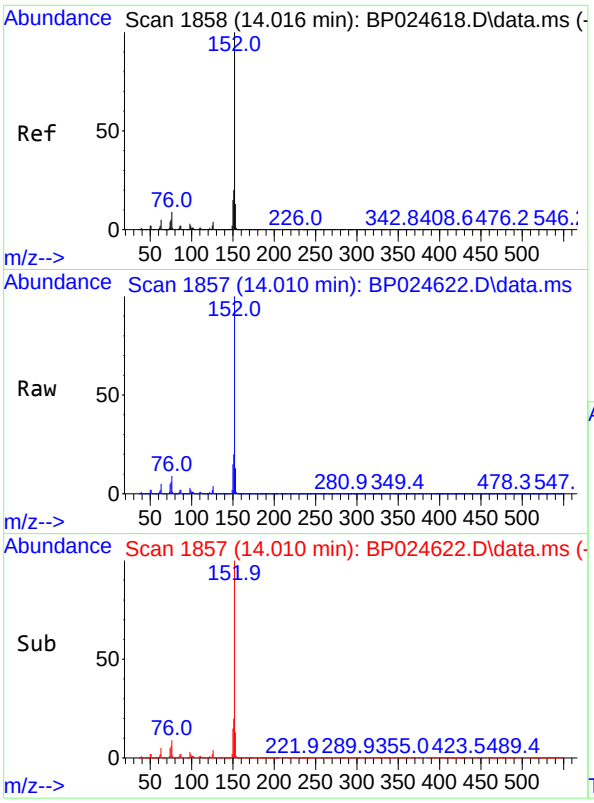


#48
2-Nitroaniline
Concen: 40.60 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 65 Resp: 264965

Ion	Ratio	Lower	Upper
65	100		
92	71.2	58.7	88.1
138	108.5	90.2	135.2

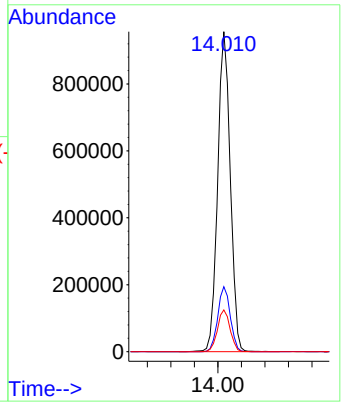




#49
Acenaphthylene
Concen: 38.49 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 141982

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.0	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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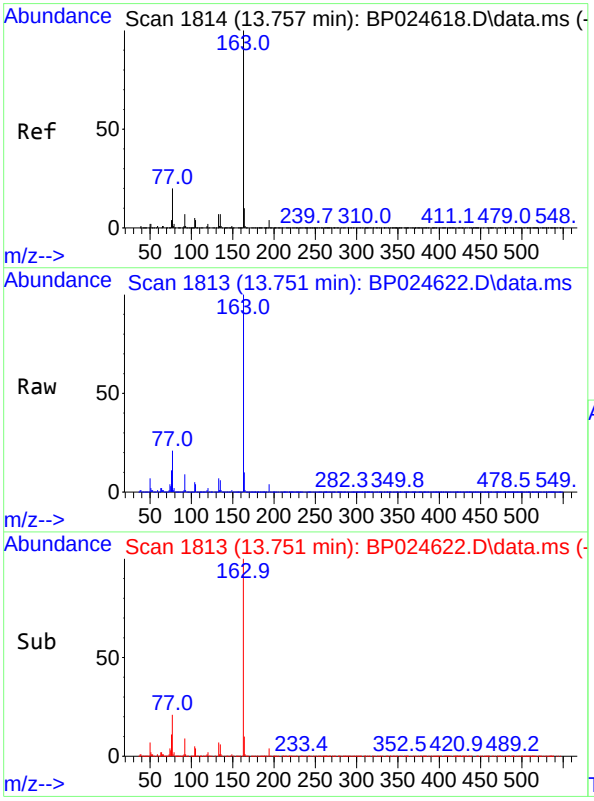
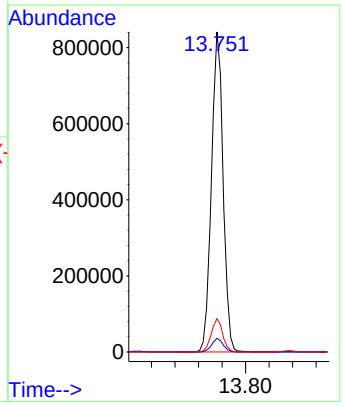
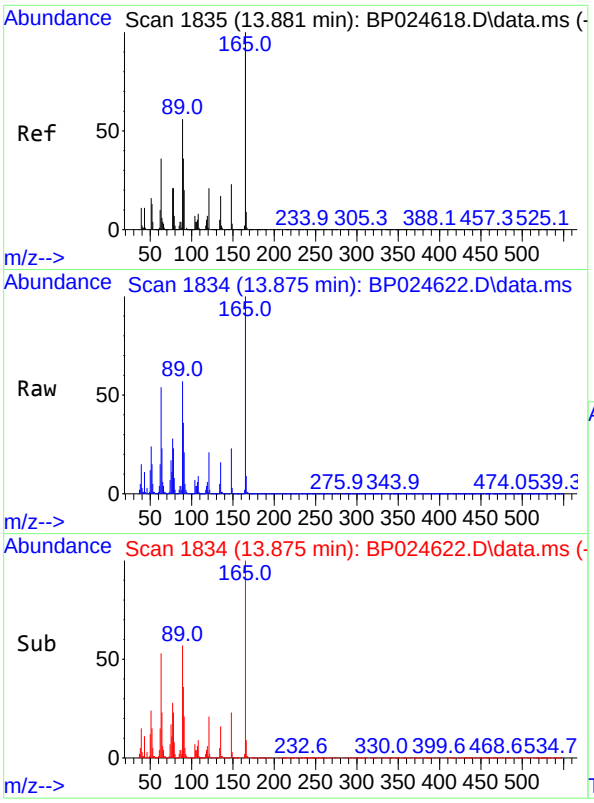


#50
Dimethylphthalate
Concen: 38.75 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:163 Resp: 1155211

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.4	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 39.32 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:165 Resp: 24753

Ion	Ratio	Lower	Upper
165	100		
63	53.5	42.4	63.6
89	56.6	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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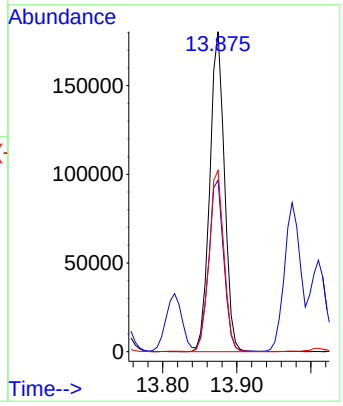
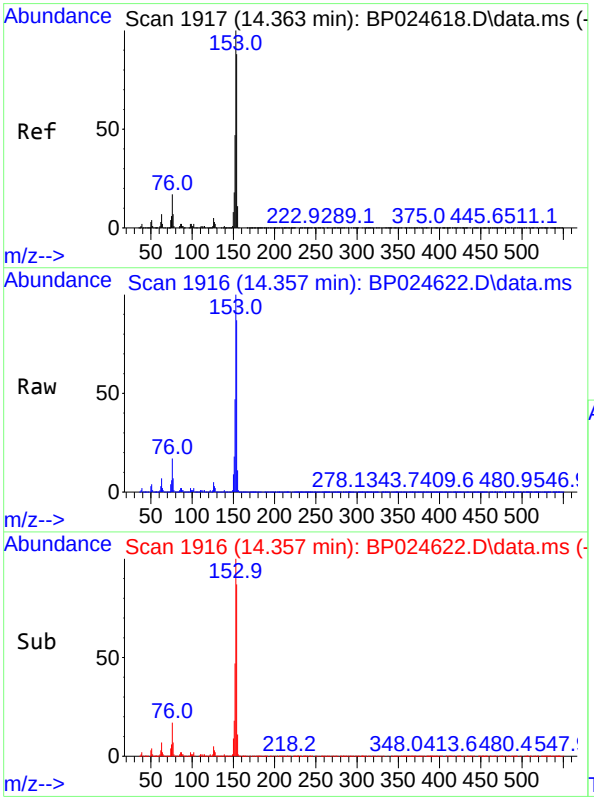
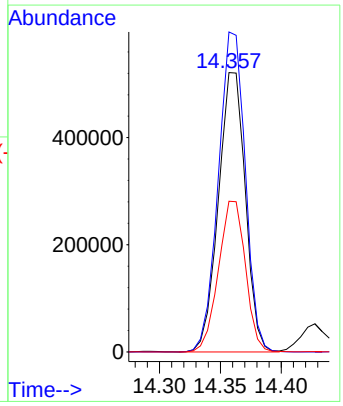


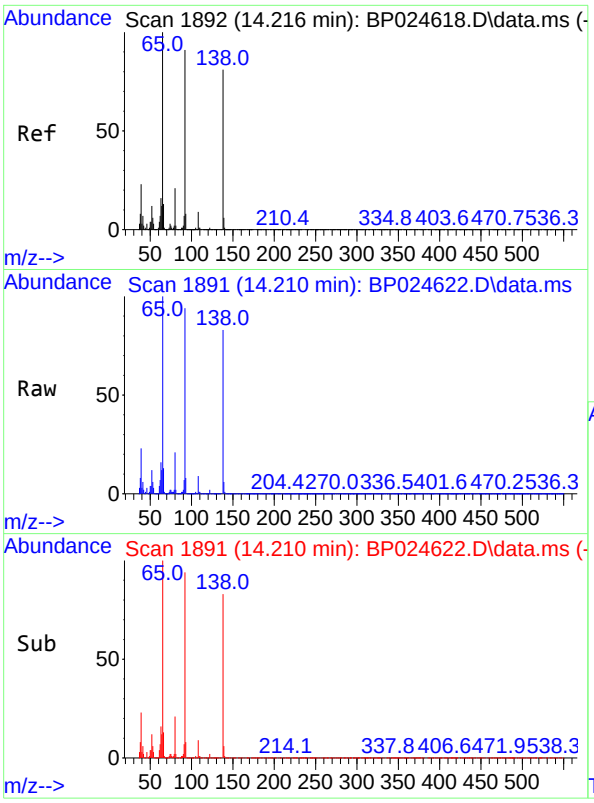


#52
Acenaphthene
Concen: 37.90 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 803755

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	54.0	42.9	64.3

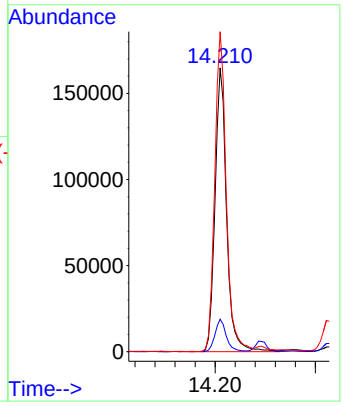




#53
3-Nitroaniline
Concen: 40.87 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 26273

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.0	13.4
92	112.7	90.1	135.1



Instrument :
BNA_P
ClientSampleId :
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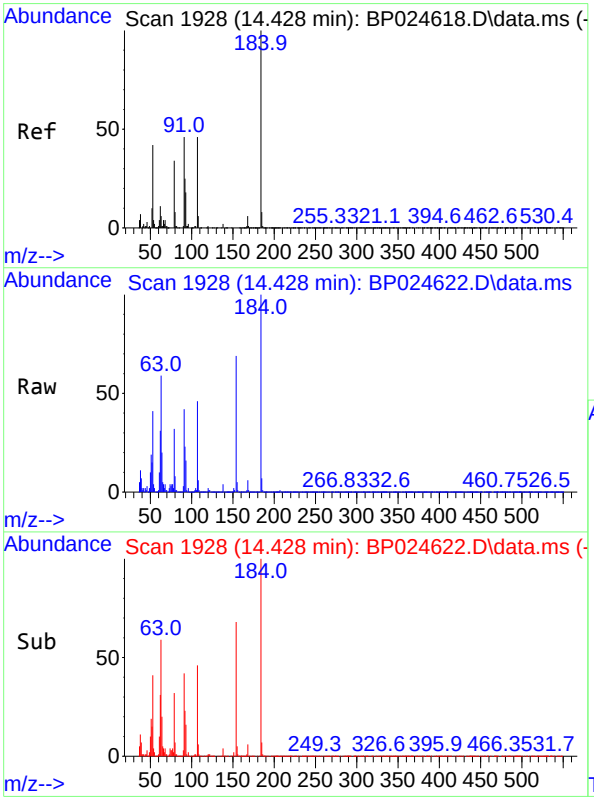
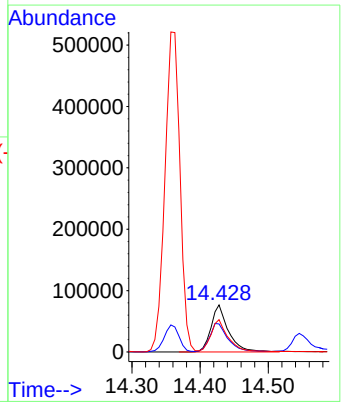
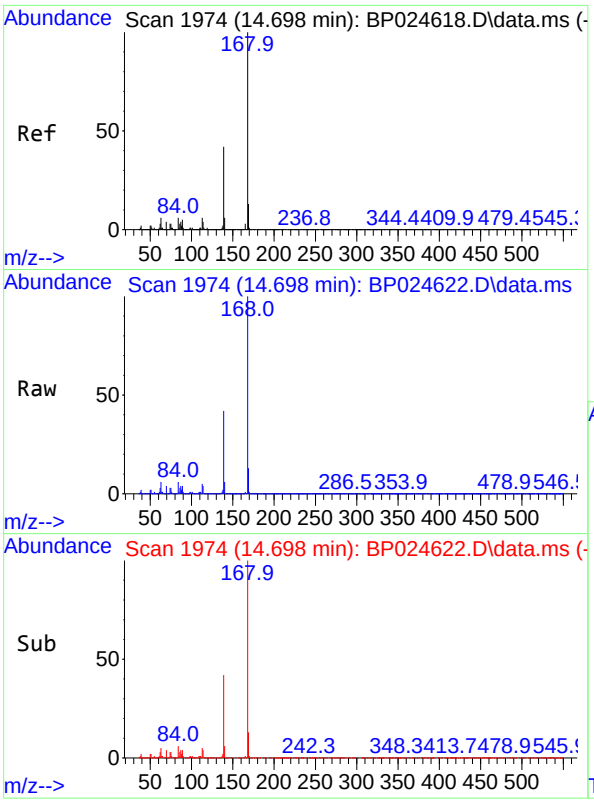


#54
2,4-Dinitrophenol
Concen: 37.83 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 135624

Ion	Ratio	Lower	Upper
184	100		
63	59.3	51.3	76.9
154	68.5	53.5	80.3

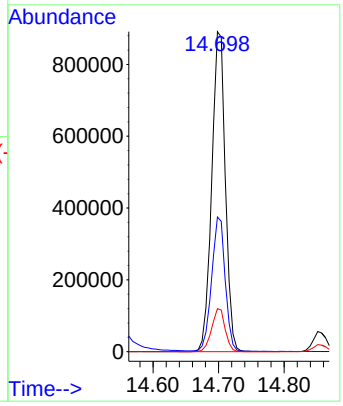




#55
Dibenzofuran
Concen: 37.91 ng
RT: 14.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:168 Resp: 128222

Ion	Ratio	Lower	Upper
168	100		
139	42.1	34.2	51.4
169	13.5	10.8	16.2



Instrument :
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ClientSampleId :
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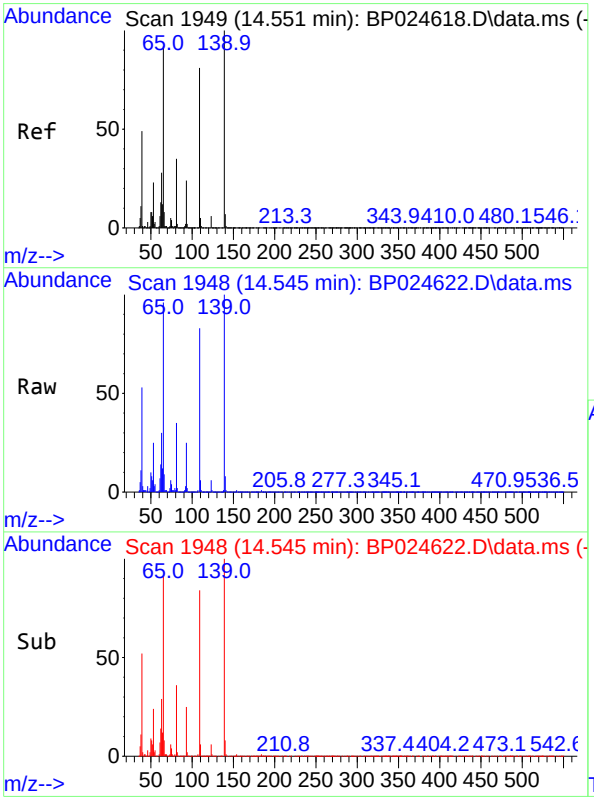
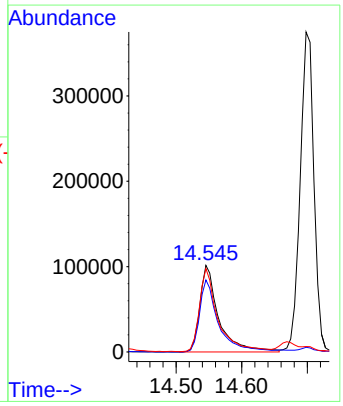
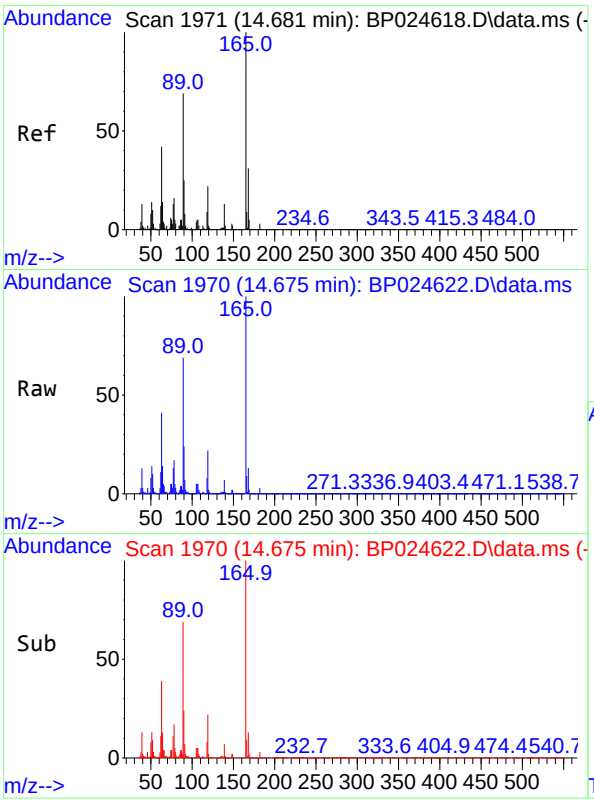


#56
4-Nitrophenol
Concen: 38.70 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 202528

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.4	101.4
65	96.3	72.2	112.2

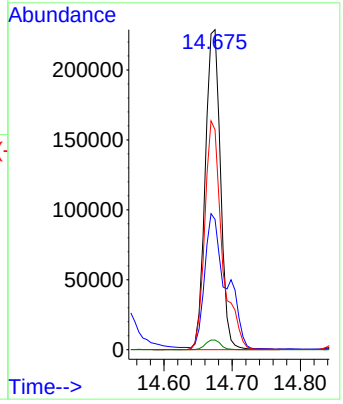




#57
2,4-Dinitrotoluene
Concen: 39.97 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:165 Resp: 35481

Ion	Ratio	Lower	Upper
165	100		
63	40.7	33.8	50.6
89	68.7	55.6	83.4
182	3.0	2.4	3.6



Instrument :
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ClientSampleId :
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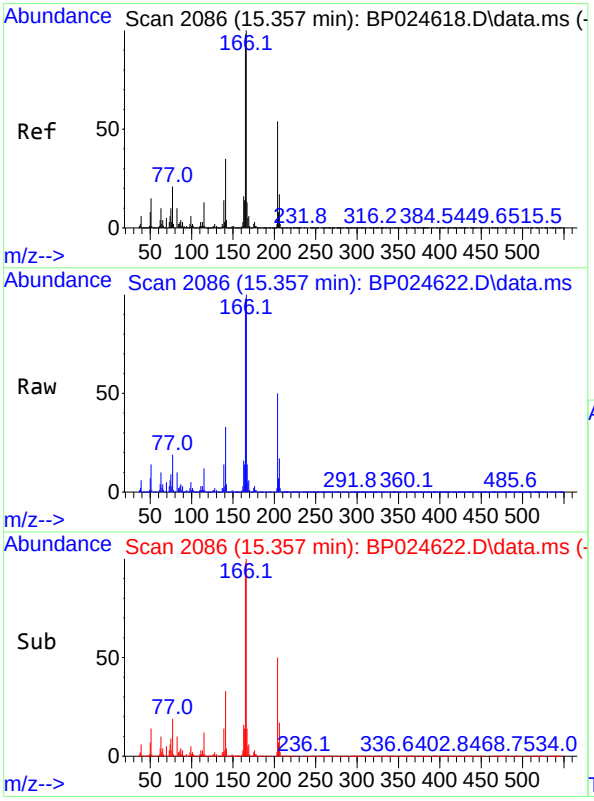
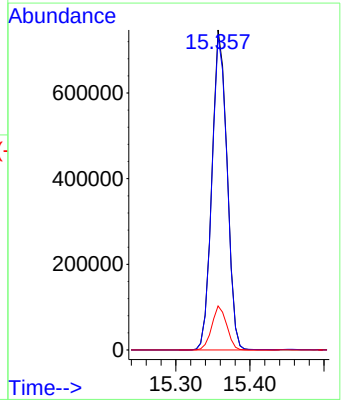
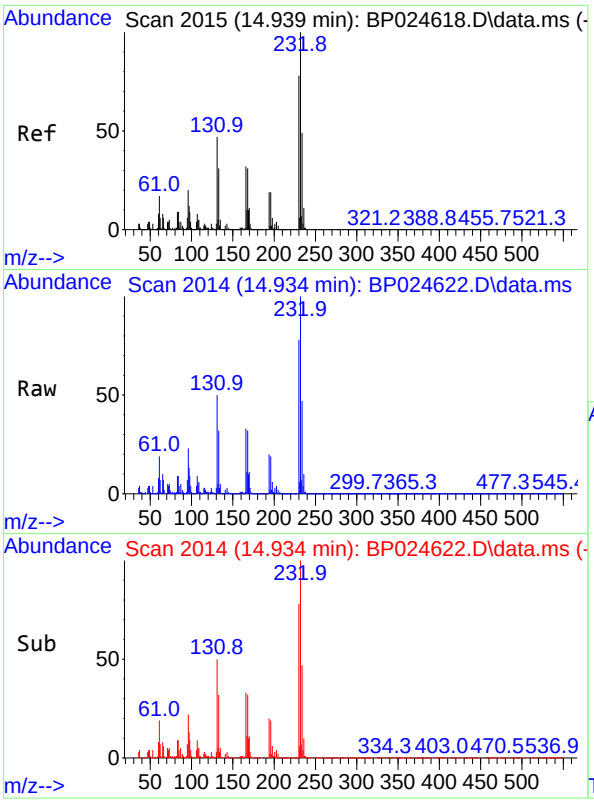


#58
Fluorene
Concen: 38.42 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:166 Resp: 1059642

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.5	117.7
167	13.8	10.7	16.1

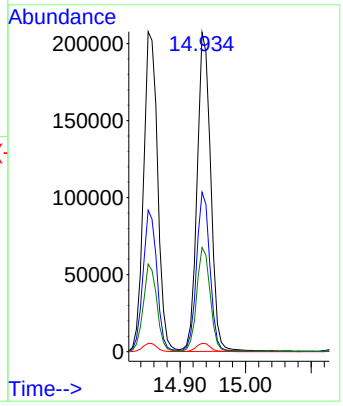




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.27 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:232 Resp: 29832

Ion	Ratio	Lower	Upper
232	100		
131	48.9	39.5	59.3
130	2.8	2.2	3.4
166	32.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
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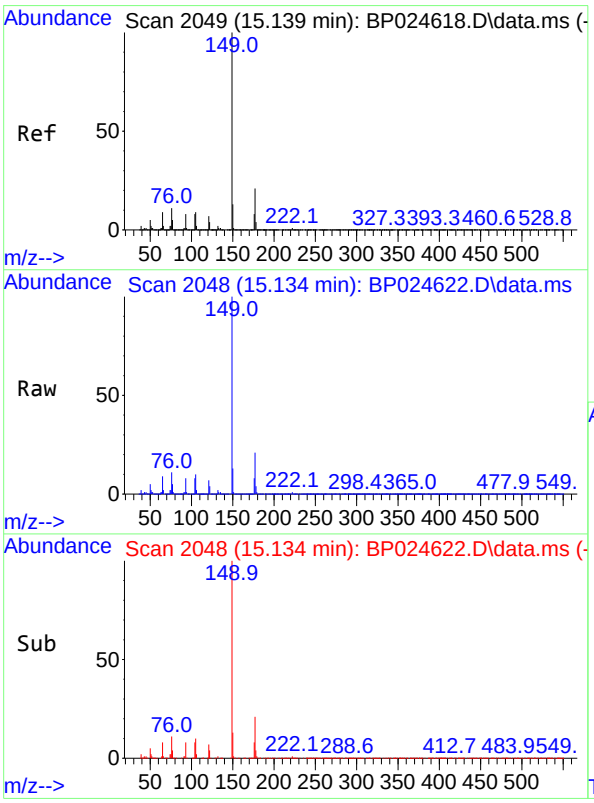
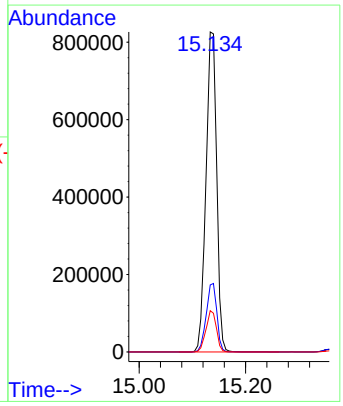
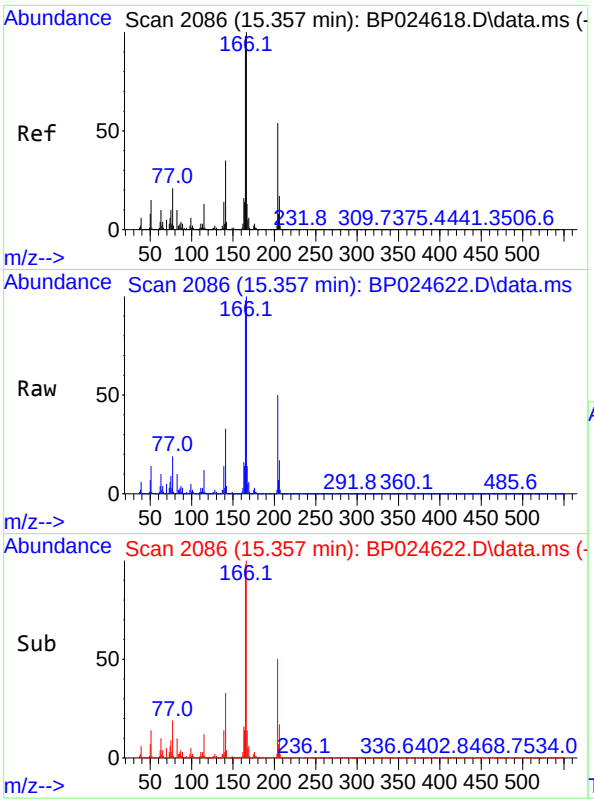


#60
Diethylphthalate
Concen: 38.17 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1150091

Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.7	25.1
150	12.9	10.2	15.2

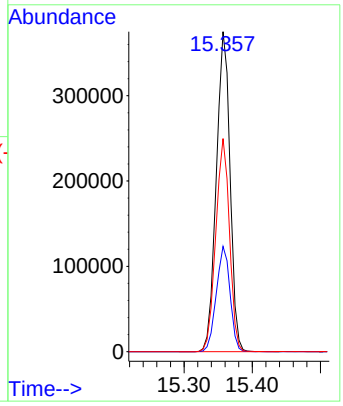




#61
4-Chlorophenyl-phenylether
Concen: 38.25 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:204 Resp: 52606

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	66.6	52.9	79.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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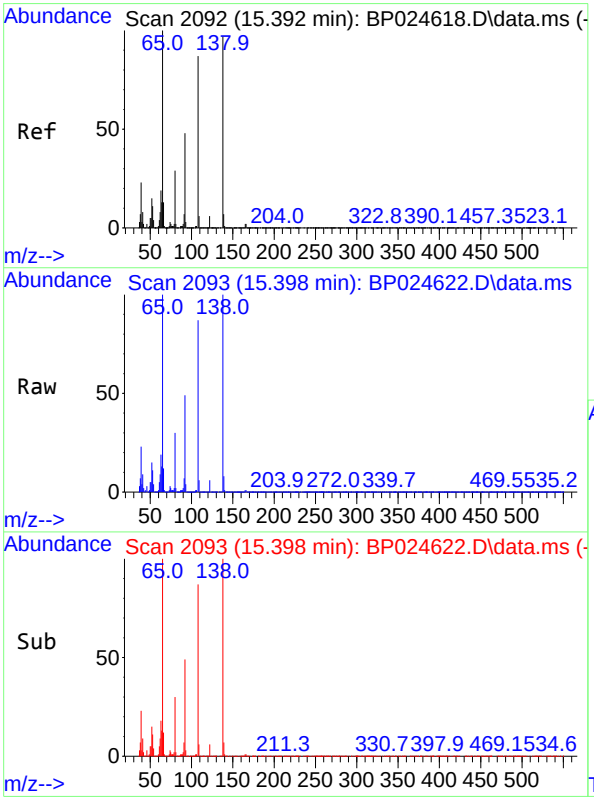
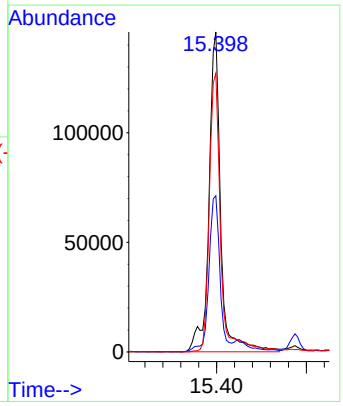
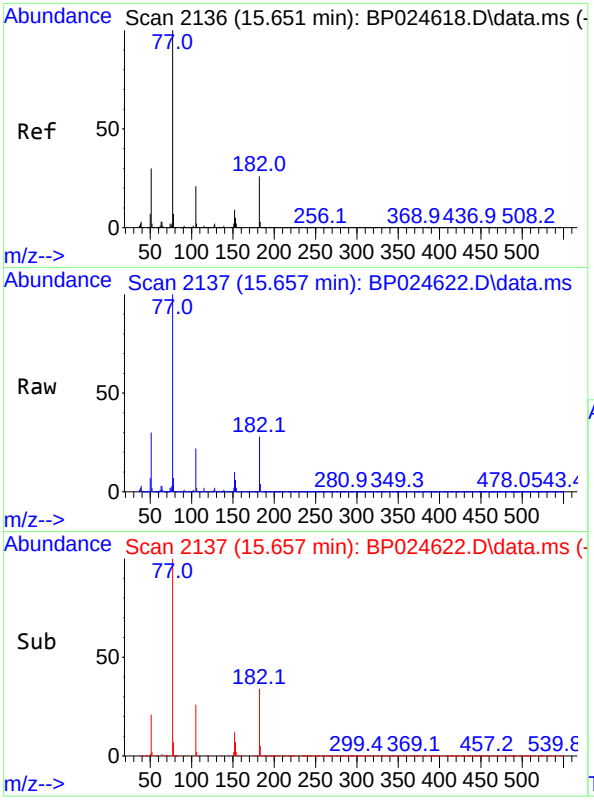


#62
4-Nitroaniline
Concen: 42.72 ng
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 265185

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.2	69.2
108	87.1	69.0	109.0

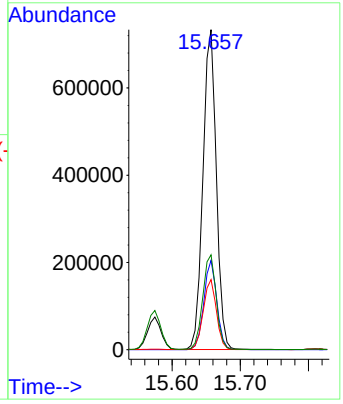




#63
Azobenzene
Concen: 38.82 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 100065

Ion	Ratio	Lower	Upper
77	100		
182	27.9	5.7	45.7
105	21.9	1.3	41.3
51	29.7	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
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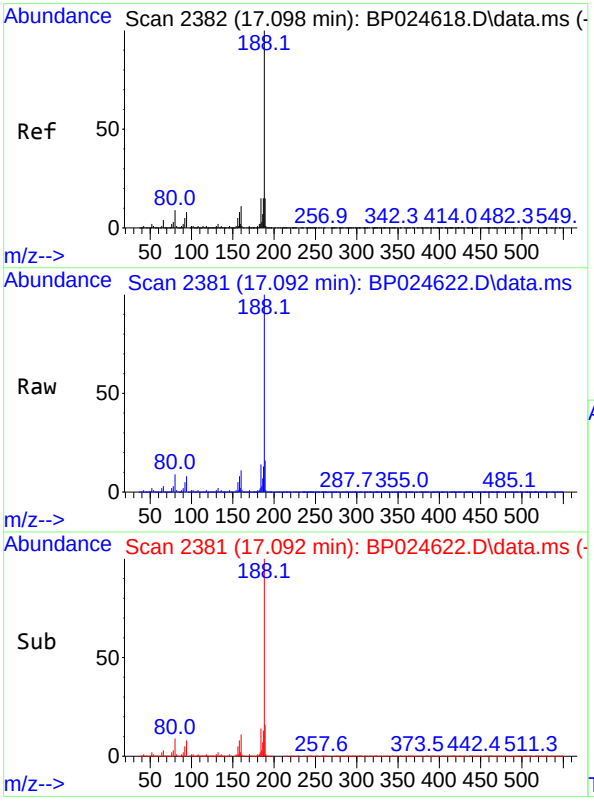
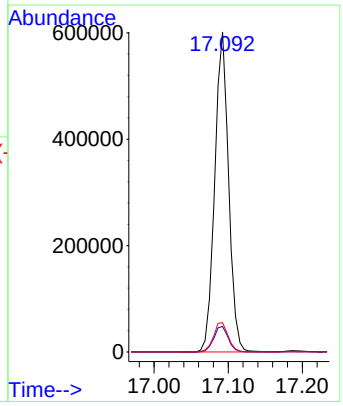
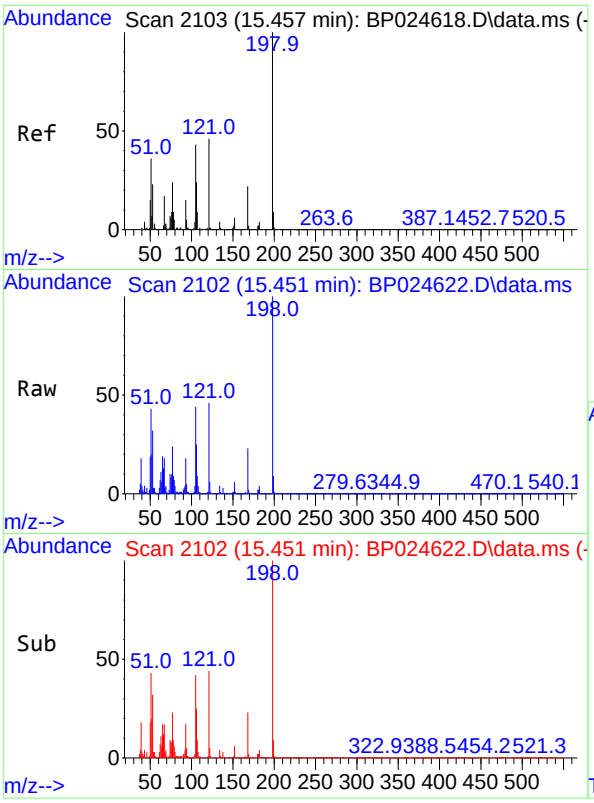


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:188 Resp: 780511

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.2	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 40.30 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:198 Resp: 20320

Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	43.8	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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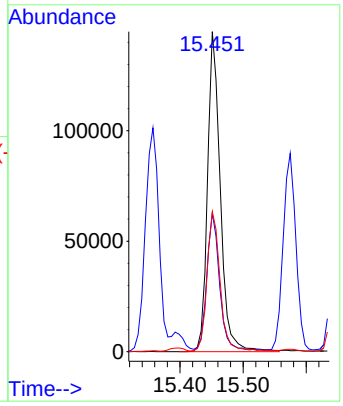
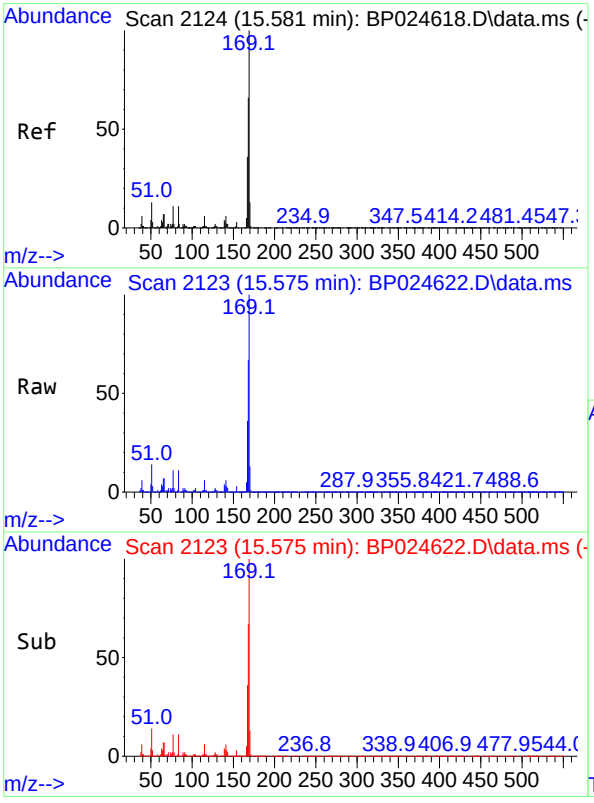
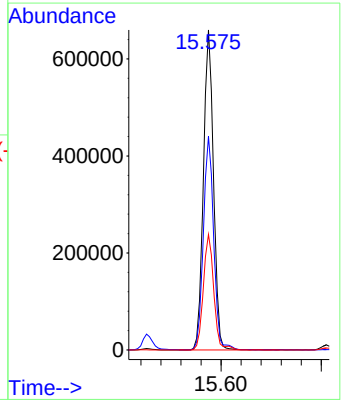


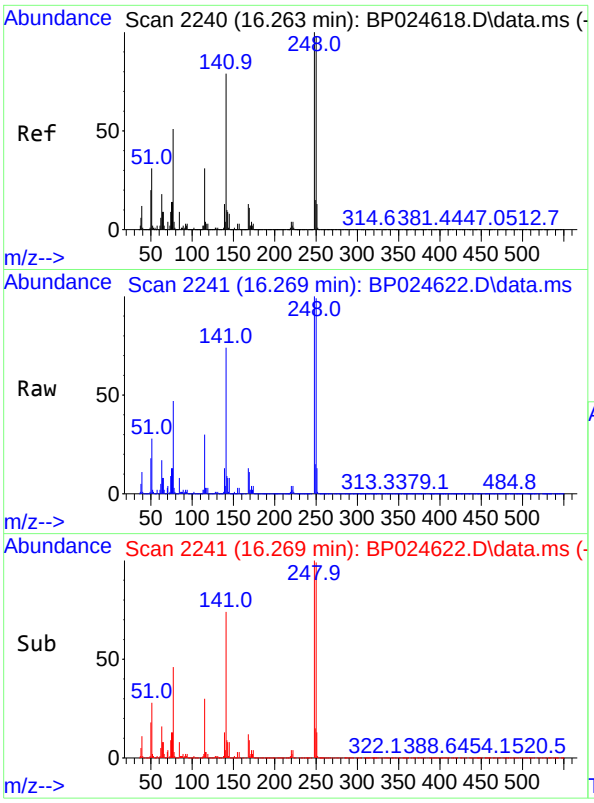


#66
n-Nitrosodiphenylamine
Concen: 38.38 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:169 Resp: 920187

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.1	28.6	43.0

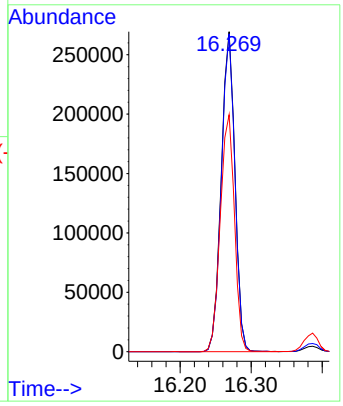




#67
4-Bromophenyl-phenylether
Concen: 38.91 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:248 Resp: 35784

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	74.1	63.0	94.6



Instrument :
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ClientSampleId :
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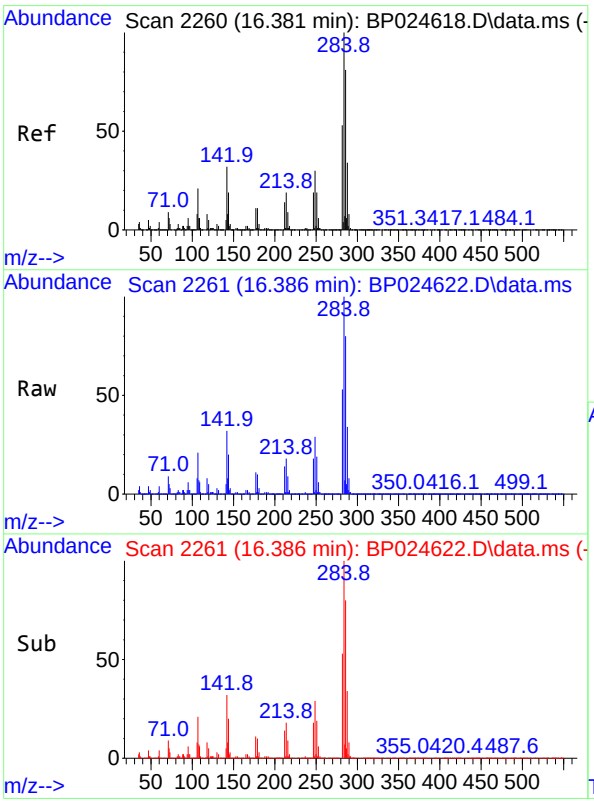
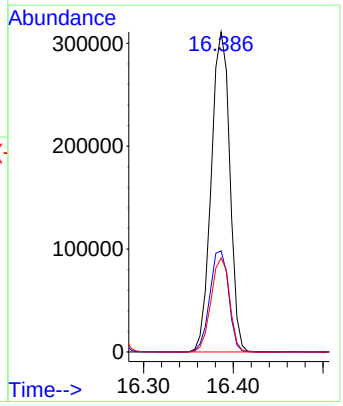
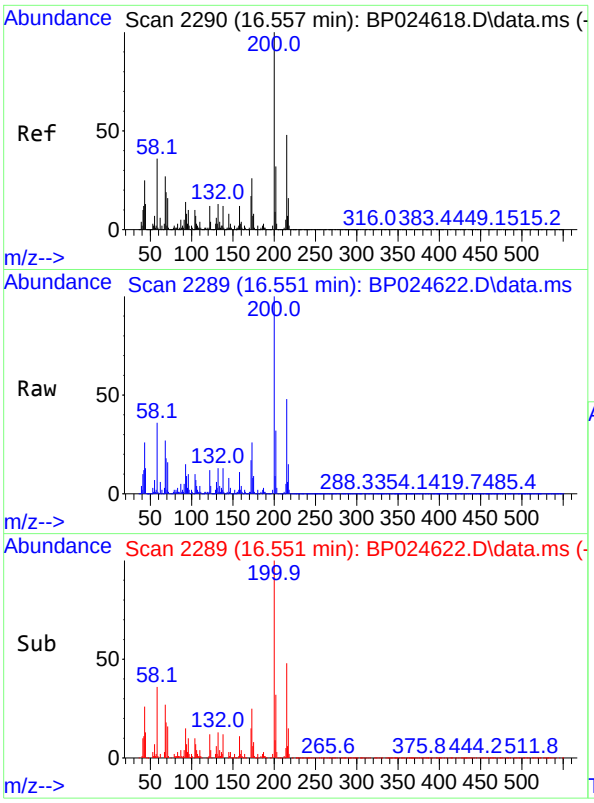


#68
Hexachlorobenzene
Concen: 38.18 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:284 Resp: 446142

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.9	38.9
249	29.3	24.1	36.1

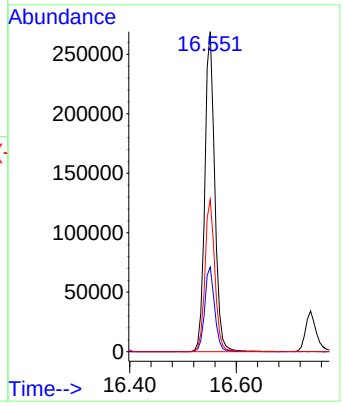




#69
Atrazine
Concen: 39.57 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:200 Resp: 34766

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	47.6	28.3	68.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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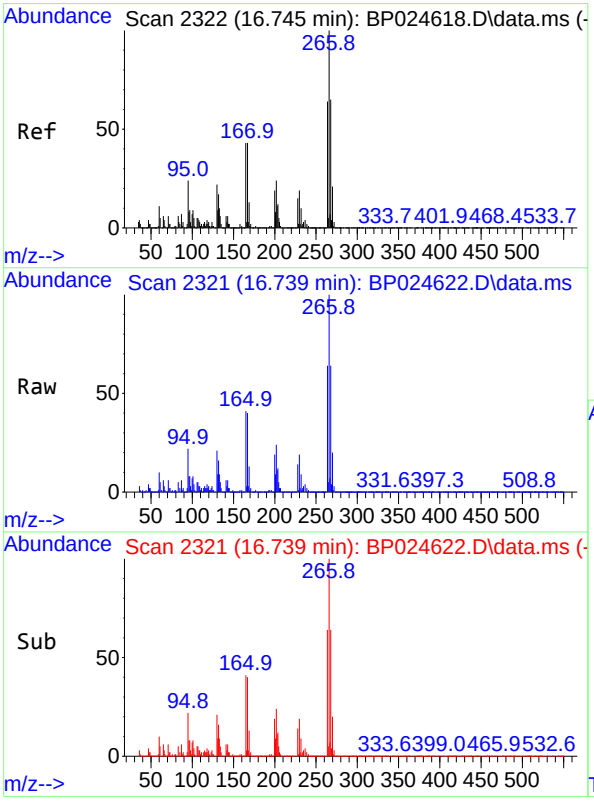
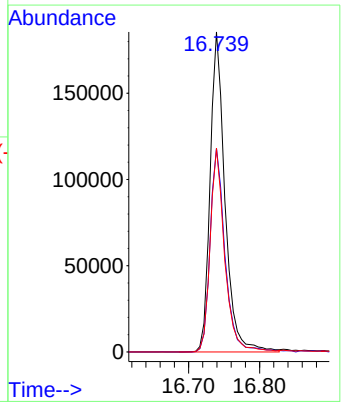
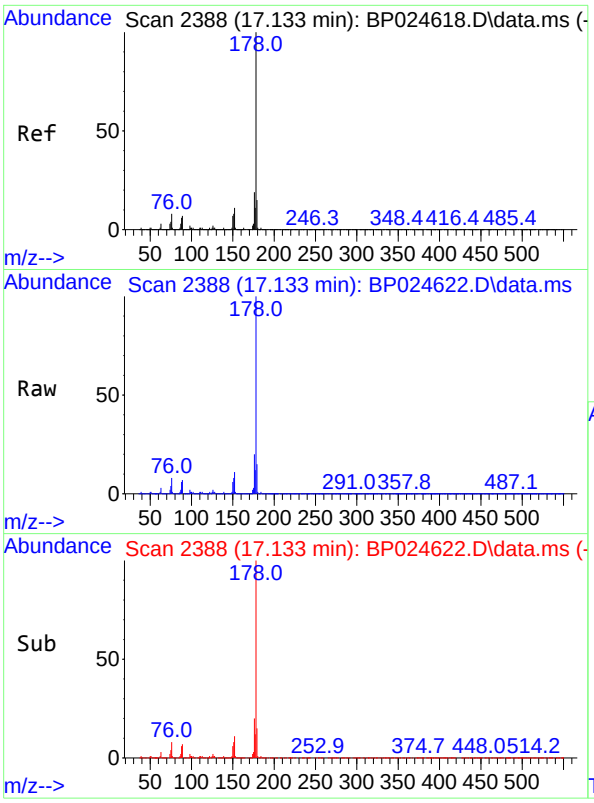


#70
Pentachlorophenol
Concen: 41.12 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:266 Resp: 269781

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.2	78.4
264	63.6	51.1	76.7

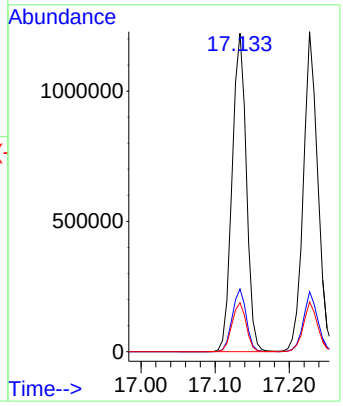




#71
Phenanthrene
Concen: 37.55 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 162911

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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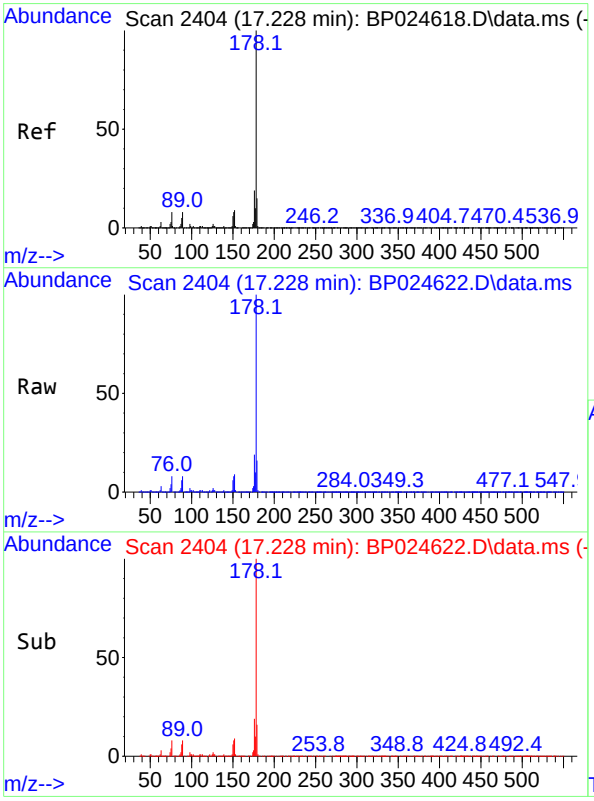
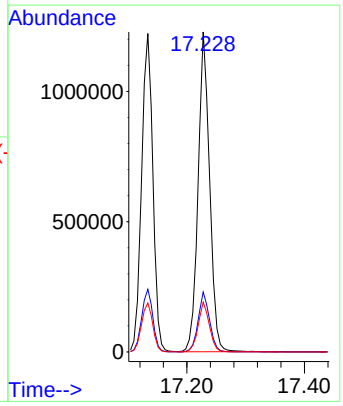
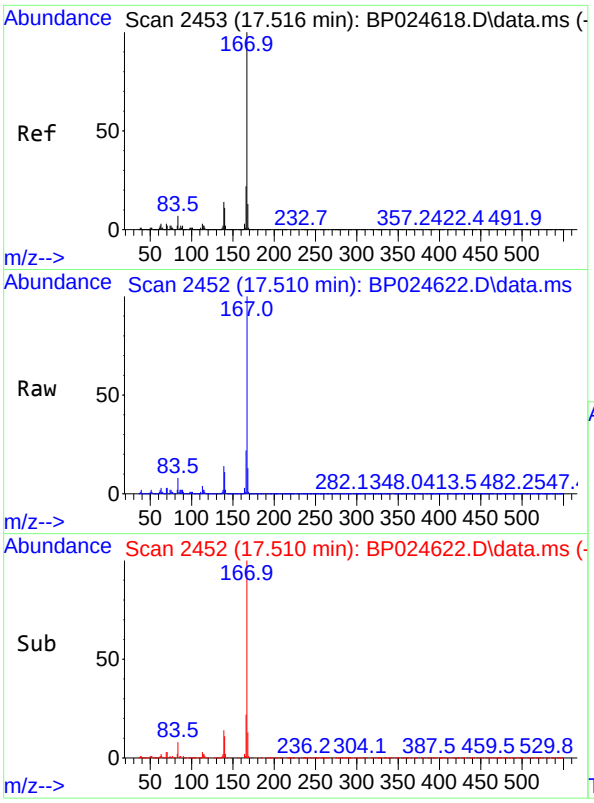


#72
Anthracene
Concen: 38.24 ng
RT: 17.228 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 1669395

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.2

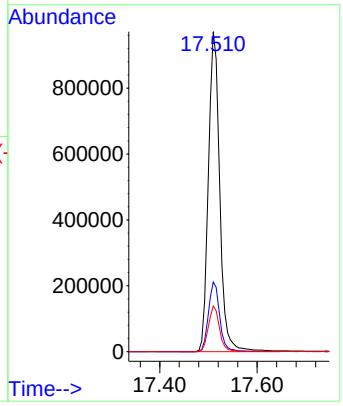




#73
Carbazole
Concen: 39.57 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:167 Resp: 156368

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.2	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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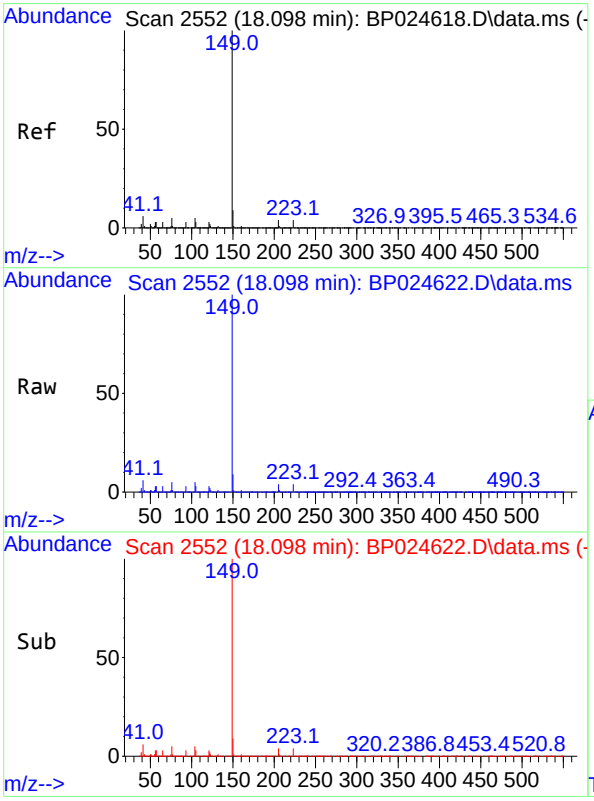
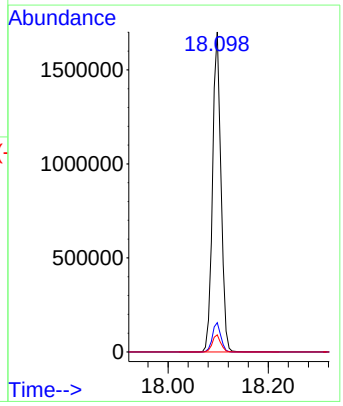
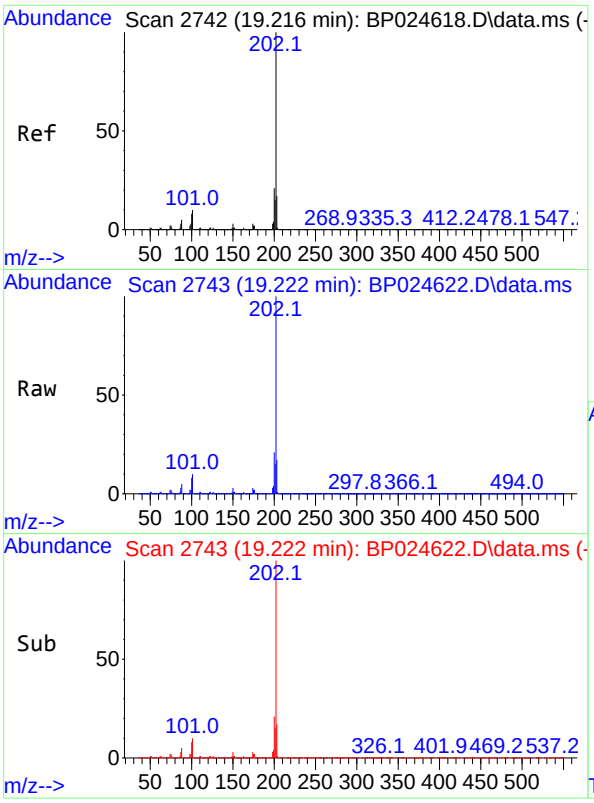


#74
Di-n-butylphthalate
Concen: 38.94 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1978741

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.4	4.3	6.5





#75
Fluoranthene
Concen: 38.57 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:202 Resp: 195604

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
203	17.4	0.0	37.5

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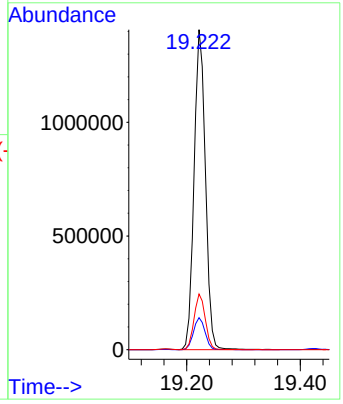
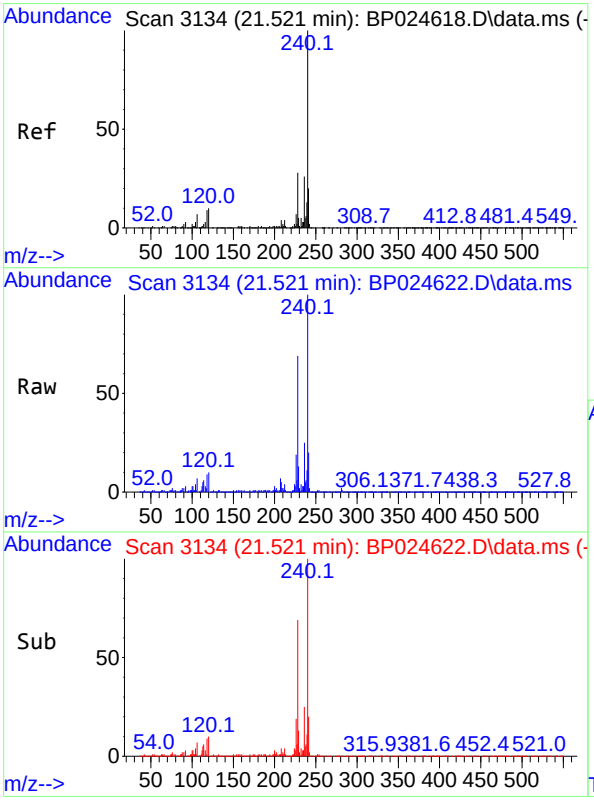
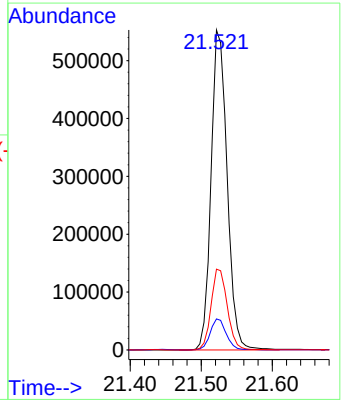


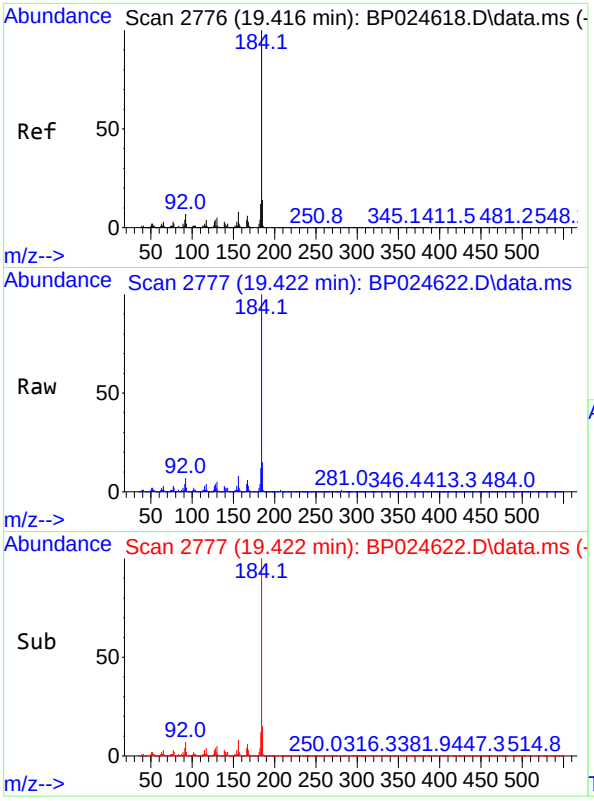


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:240 Resp: 868822

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.2	20.6	31.0

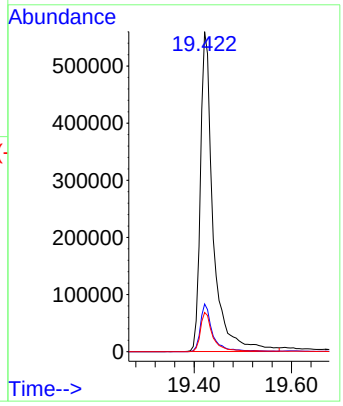




#77
Benzidine
Concen: 43.25 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 102351

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.2	16.8
183	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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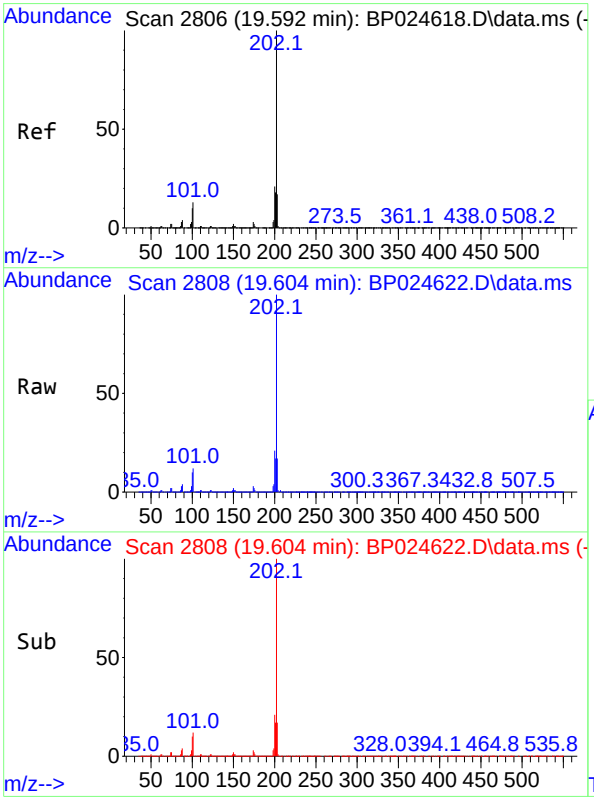
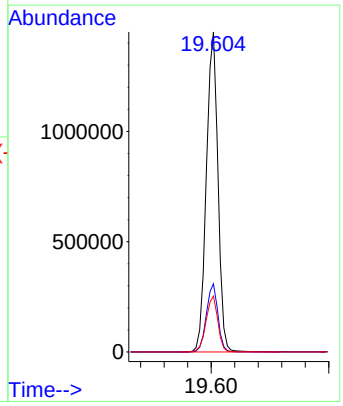
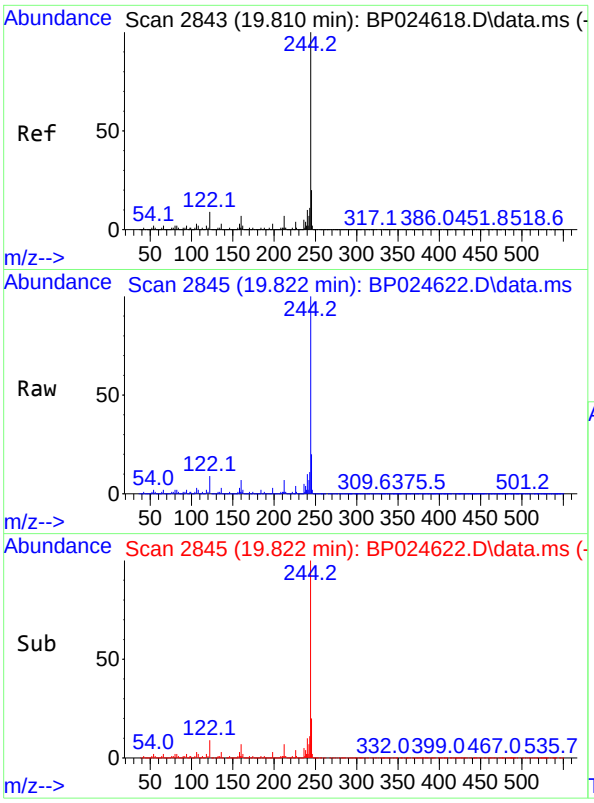


#78
Pyrene
Concen: 38.28 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 1992845

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.5	13.9	20.9

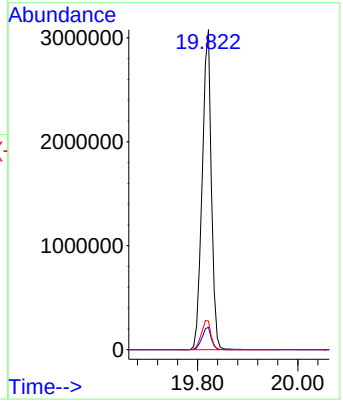




#79
Terphenyl-d14
Concen: 76.75 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:244 Resp: 388900

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.0	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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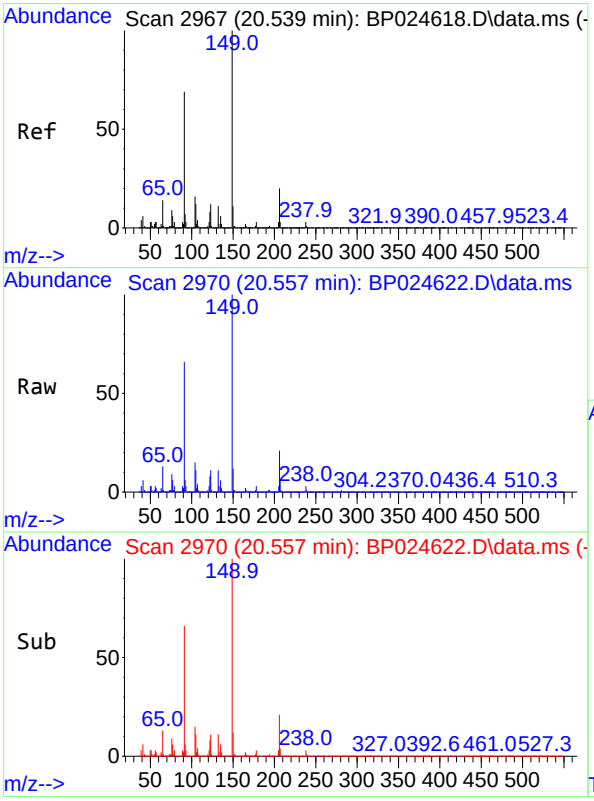
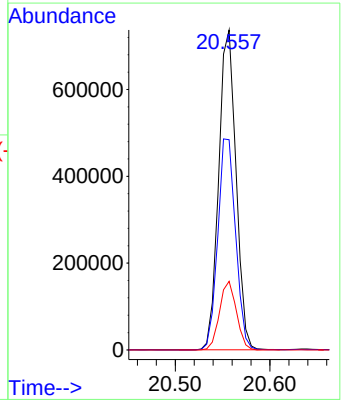
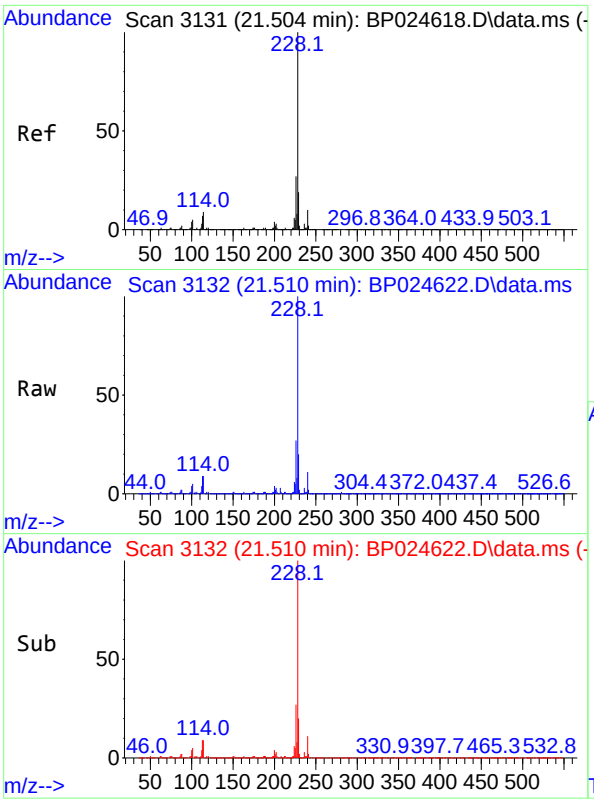


#80
Butylbenzylphthalate
Concen: 40.52 ng
RT: 20.557 min Scan# 2970
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 938210

Ion	Ratio	Lower	Upper
149	100		
91	65.7	55.4	83.0
206	21.5	16.2	24.2

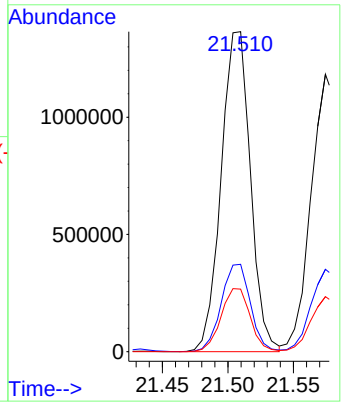




#81
Benzo(a)anthracene
Concen: 38.89 ng
RT: 21.510 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 212156

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.0
229	19.6	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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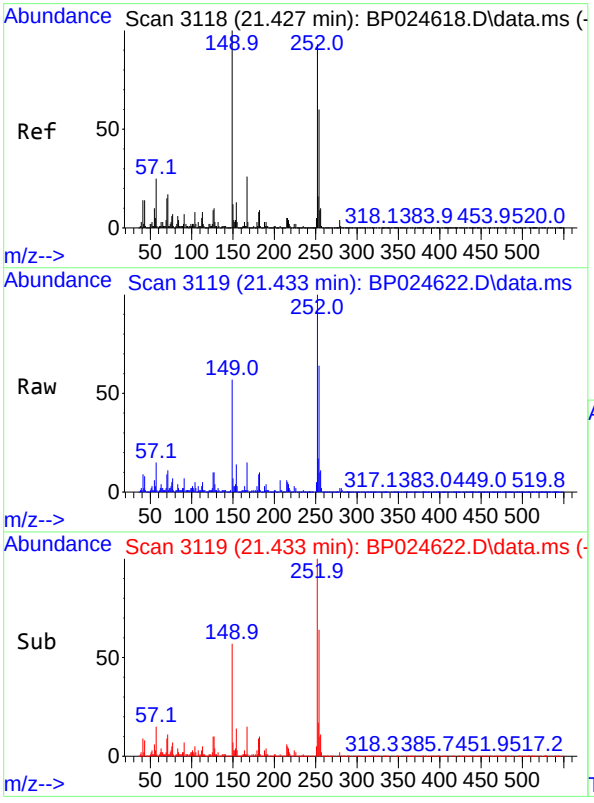
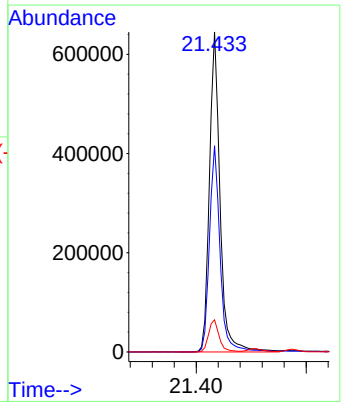
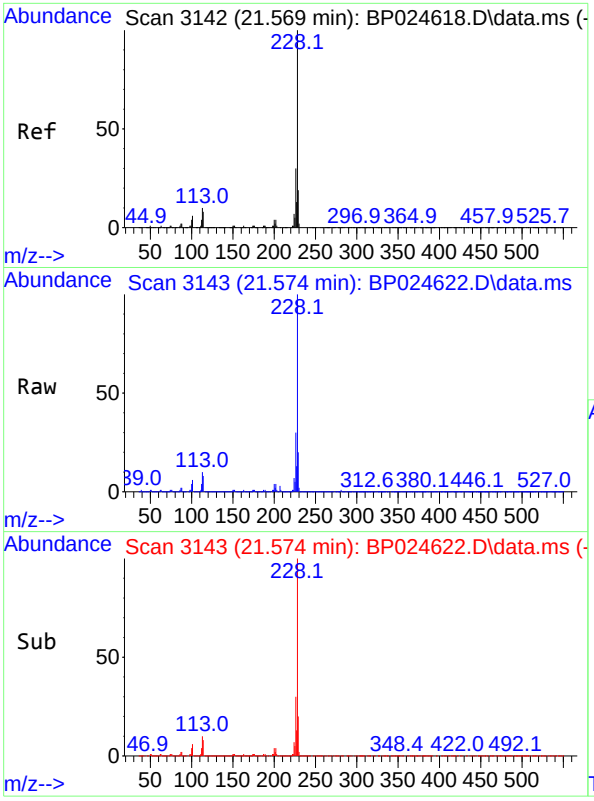


#82
3,3'-Dichlorobenzidine
Concen: 42.51 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 861323

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	10.1	7.7	11.5

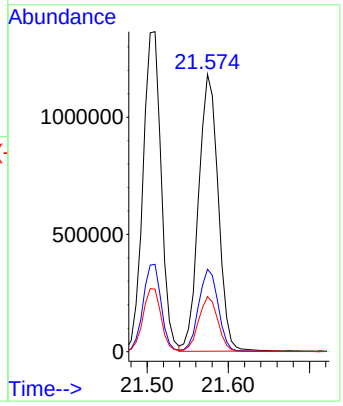




#83
Chrysene
Concen: 38.23 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 197694

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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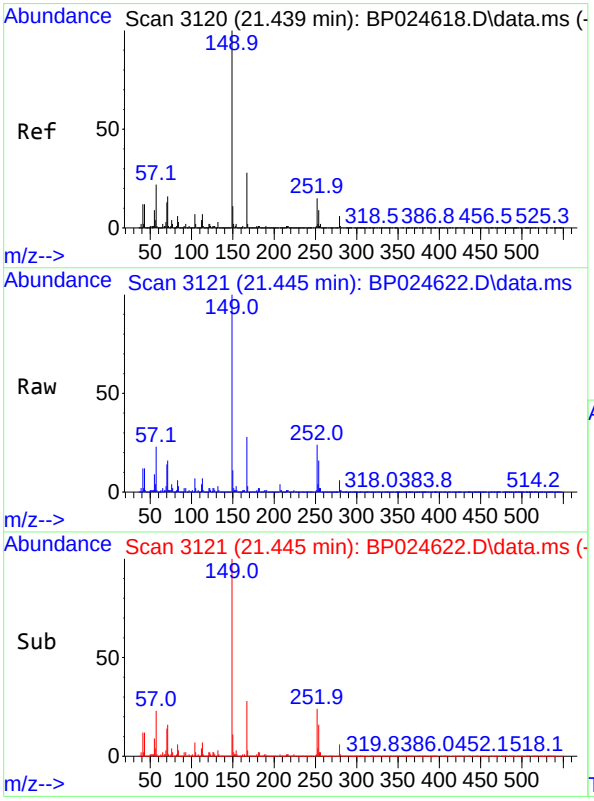
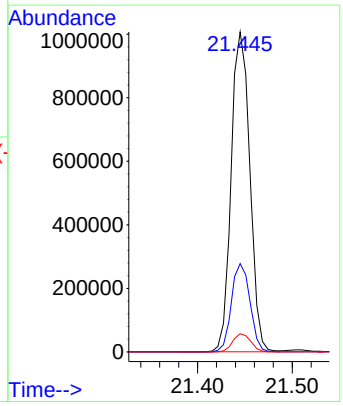
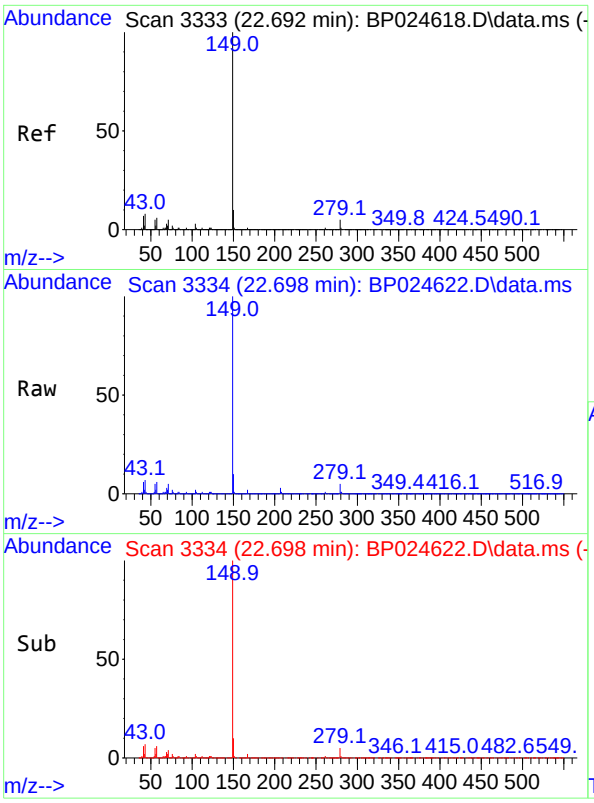


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.43 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1375919

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8

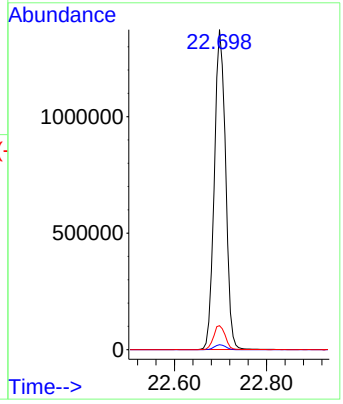




#85
Di-n-octyl phthalate
Concen: 41.72 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 232167

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.8	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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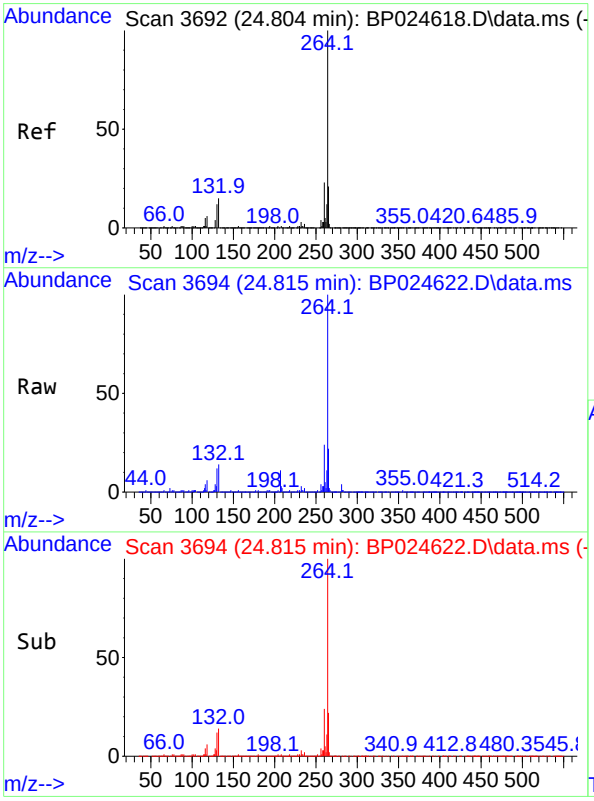
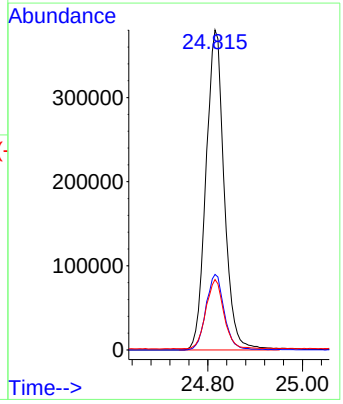
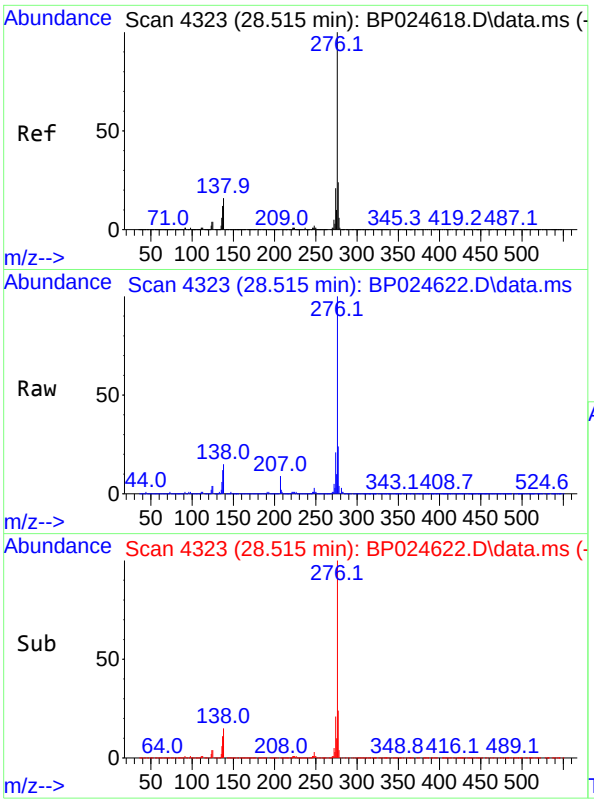


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:264 Resp: 1015341

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.0	17.0	25.6

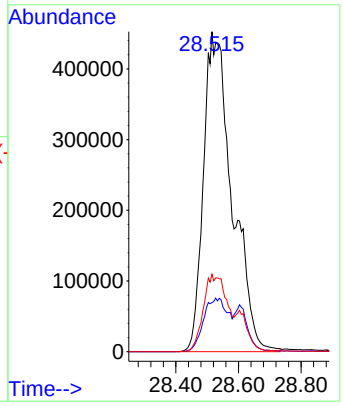




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 287986

Ion	Ratio	Lower	Upper
276	100		
138	14.2	11.2	16.8
277	10.6	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

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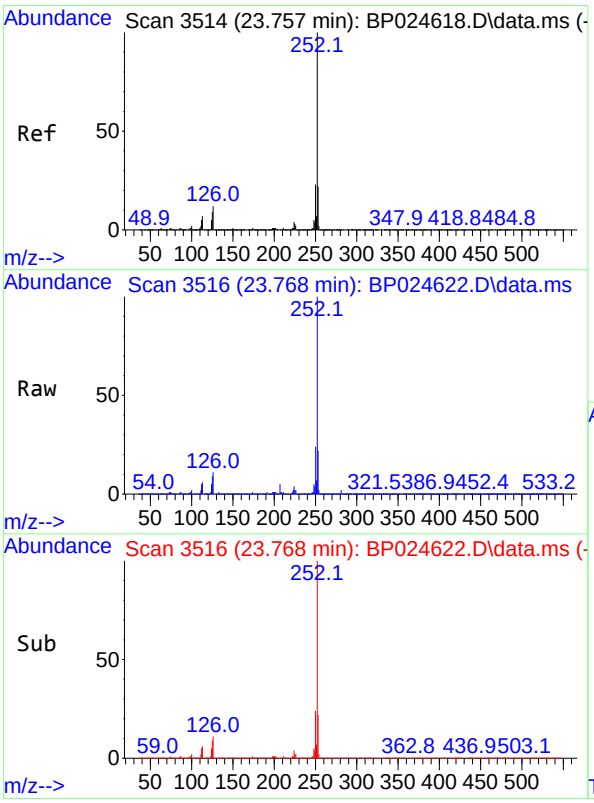
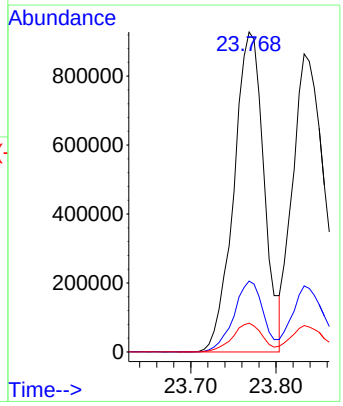
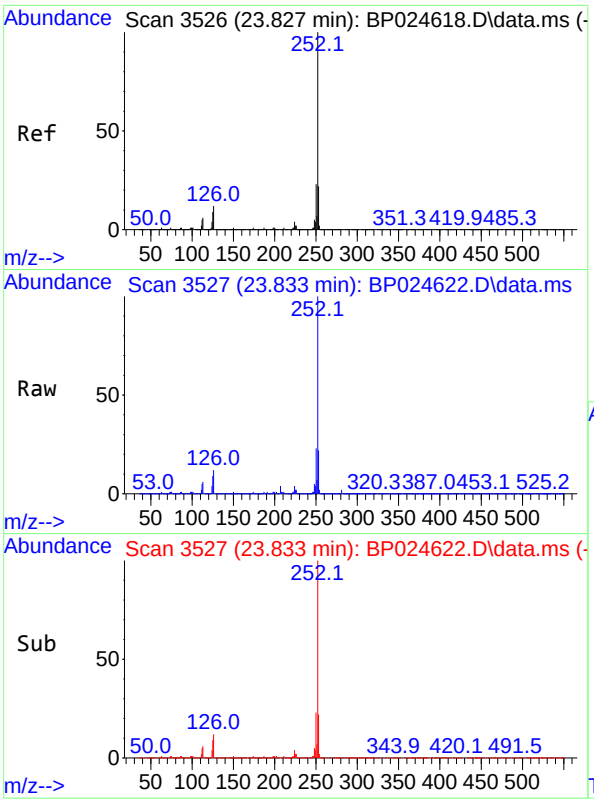


#88
Benzo(b)fluoranthene
Concen: 39.29 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2283322

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.5	11.3

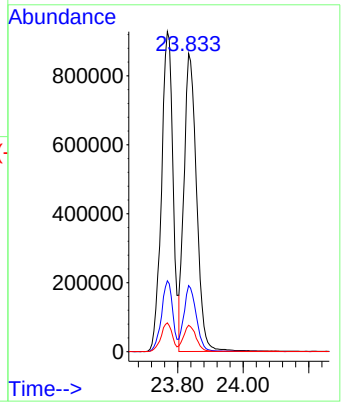




#89
Benzo(k)fluoranthene
Concen: 38.22 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 228900

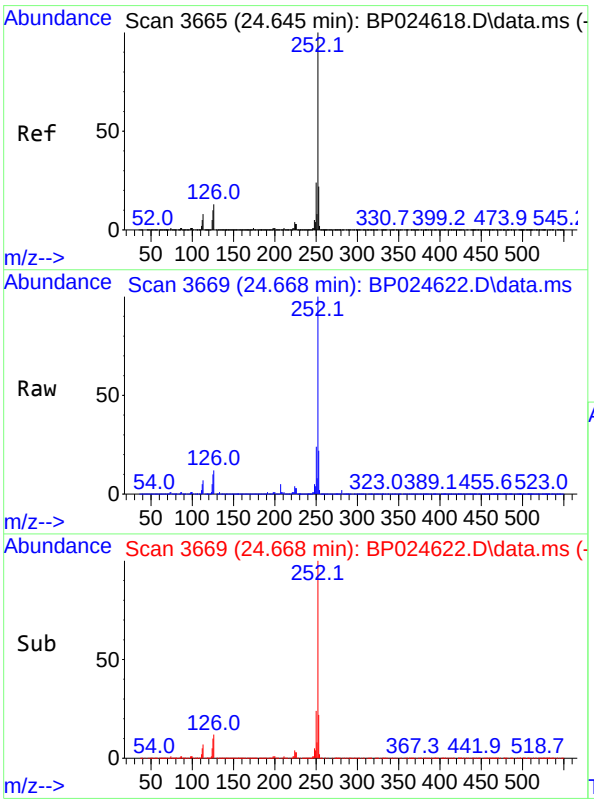
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.9	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

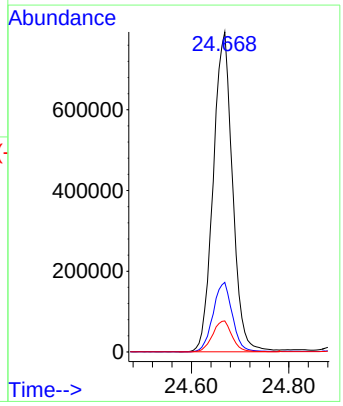
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

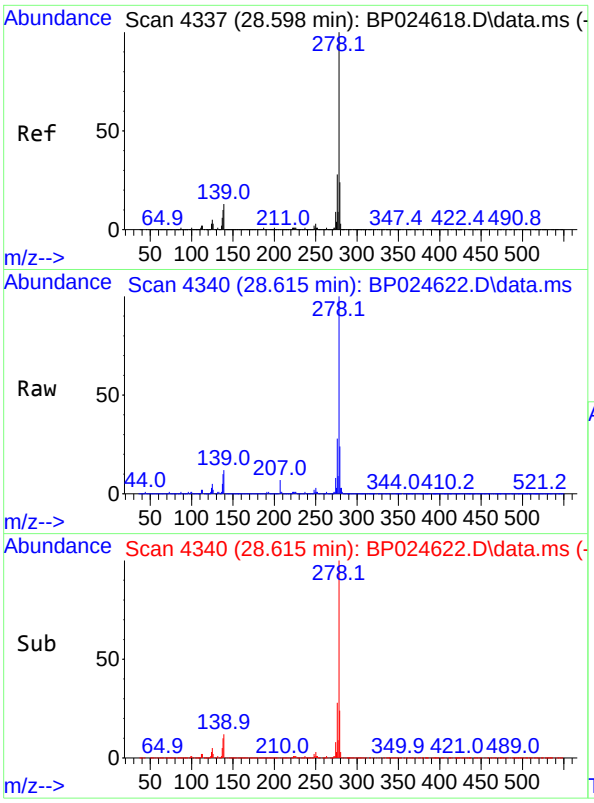


#90
Benzo(a)pyrene
Concen: 39.00 ng
RT: 24.668 min Scan# 3669
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2177020

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.7	8.1	12.1

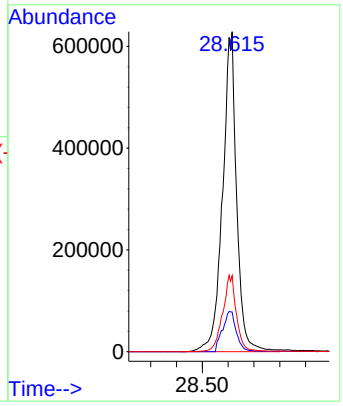




#91
Dibenzo(a,h)anthracene
Concen: 39.38 ng
RT: 28.615 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:278 Resp: 237455

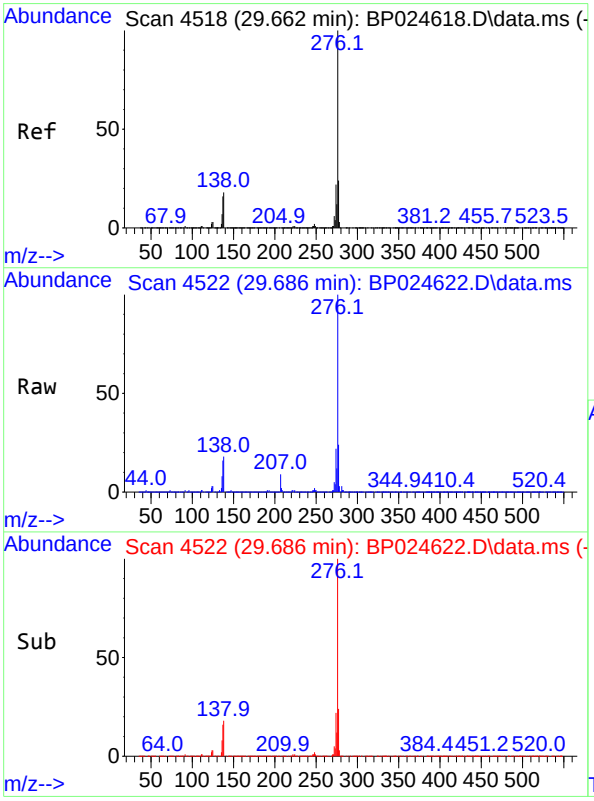
Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.2	15.4
279	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations
APPROVED

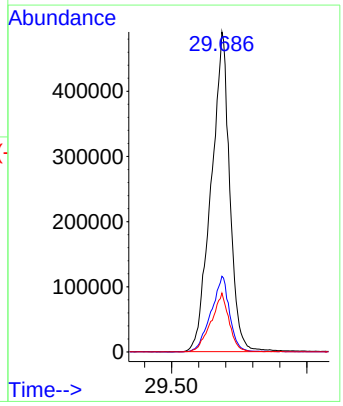
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



#92
Benzo(g,h,i)perylene
Concen: 38.91 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 2333151

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	18.4	14.4	21.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	119	0.00
2		1,4-Dioxane	0.549	0.505	8.0	119	0.00
3		Pyridine	1.218	1.203	1.2	120	0.00
4		n-Nitrosodimethylamine	0.538	0.510	5.2	118	0.00
5	S	2-Fluorophenol	1.169	1.139	2.6	123	0.00
6		Aniline	1.927	1.889	2.0	118	0.00
7	S	Phenol-d6	1.492	1.475	1.1	120	0.00
8		2-Chlorophenol	1.327	1.306	1.6	120	0.00
9		Benzaldehyde	0.966	0.943	2.4	118	0.00
10	C	Phenol	1.540	1.505	2.3	119	0.00
11		bis(2-Chloroethyl)ether	1.266	1.200	5.2	118	0.00
12		1,3-Dichlorobenzene	1.527	1.447	5.2	120	0.00
13	C	1,4-Dichlorobenzene	1.536	1.456	5.2	118	0.00
14		1,2-Dichlorobenzene	1.497	1.418	5.3	119	0.00
15		Benzyl Alcohol	1.134	1.149	-1.3	119	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.441	4.9	117	0.00
17		2-Methylphenol	1.105	1.094	1.0	119	0.00
18		Hexachloroethane	0.589	0.548	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.032	1.011	2.0	115	0.00
20		3+4-Methylphenols	1.503	1.486	1.1	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.500	0.480	4.0	115	0.00
23	S	Nitrobenzene-d5	0.396	0.387	2.3	116	0.00
24		Nitrobenzene	0.348	0.335	3.7	115	0.00
25		Isophorone	0.687	0.661	3.8	113	0.00
26	C	2-Nitrophenol	0.171	0.175	-2.3	118	0.00
27		2,4-Dimethylphenol	0.301	0.297	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	0.410	0.397	3.2	115	0.00
29	C	2,4-Dichlorophenol	0.292	0.293	-0.3	116	0.00
30		1,2,4-Trichlorobenzene	0.329	0.313	4.9	118	0.00
31		Naphthalene	1.036	0.986	4.8	116	0.00
32		Benzoic acid	0.181	0.180	0.6	108	0.00
33		4-Chloroaniline	0.418	0.422	-1.0	116	0.00
34	C	Hexachlorobutadiene	0.213	0.198	7.0	115	0.00
35		Caprolactam	0.106	0.105	0.9	110	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.347	2.5	112	0.00
37		2-Methylnaphthalene	0.671	0.635	5.4	114	0.00
38		1-Methylnaphthalene	0.718	0.670	6.7	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.581	0.568	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	0.352	0.391	-11.1	118	0.00
42	S	2,4,6-Tribromophenol	0.339	0.333	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.391	-4.0	114	0.00
44		2,4,5-Trichlorophenol	0.419	0.430	-2.6	115	0.00
45	S	2-Fluorobiphenyl	1.527	1.464	4.1	110	0.00
46		1,1'-Biphenyl	1.478	1.438	2.7	112	0.00
47		2-Chloronaphthalene	1.127	1.106	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	0.334	0.339	-1.5	109	0.00
49		Acenaphthylene	1.886	1.815	3.8	109	0.00
50		Dimethylphthalate	1.524	1.477	3.1	110	0.00
51		2,6-Dinitrotoluene	0.322	0.316	1.9	109	0.00
52	C	Acenaphthene	1.084	1.028	5.2	108	0.00
53		3-Nitroaniline	0.329	0.336	-2.1	107	0.00
54	P	2,4-Dinitrophenol	0.169	0.173	-2.4	109	0.00
55		Dibenzofuran	1.730	1.639	5.3	108	0.00
56	P	4-Nitrophenol	0.250	0.259	-3.6	109	0.00
57		2,4-Dinitrotoluene	0.454	0.454	0.0	108	0.00
58		Fluorene	1.410	1.355	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.381	1.8	109	0.00
60		Diethylphthalate	1.541	1.470	4.6	110	0.00
61		4-Chlorophenyl-phenylether	0.703	0.673	4.3	111	0.00
62		4-Nitroaniline	0.317	0.339	-6.9	111	0.00
63		Azobenzene	1.318	1.279	3.0	110	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.129	0.130	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.589	4.1	108	0.00
67		4-Bromophenyl-phenylether	0.236	0.229	3.0	111	0.00
68		Hexachlorobenzene	0.299	0.286	4.3	110	0.00
69		Atrazine	0.225	0.223	0.9	111	0.00
70	C	Pentachlorophenol	0.168	0.173	-3.0	109	0.00
71		Phenanthrene	1.112	1.044	6.1	108	0.00
72		Anthracene	1.119	1.069	4.5	108	0.00
73		Carbazole	1.012	1.002	1.0	109	0.00
74		Di-n-butylphthalate	1.302	1.268	2.6	109	0.00
75	C	Fluoranthene	1.300	1.253	3.6	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.545	0.589	-8.1	113	0.00
78		Pyrene	1.198	1.147	4.3	107	0.01
79	S	Terphenyl-d14	1.166	1.119	4.0	107	0.01
80		Butylbenzylphthalate	0.533	0.540	-1.3	110	0.02
81		Benzo(a)anthracene	1.256	1.221	2.8	108	0.00
82		3,3'-Dichlorobenzidine	0.466	0.496	-6.4	111	0.00
83		Chrysene	1.190	1.138	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.792	-1.1	111	0.00
85	c	Di-n-octyl phthalate	1.281	1.336	-4.3	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.460	1.418	2.9	109	0.00
88		Benzo(b)fluoranthene	1.145	1.124	1.8	111	0.01
89		Benzo(k)fluoranthene	1.180	1.127	4.5	108	0.00
90	C	Benzo(a)pyrene	1.099	1.072	2.5	110	0.02
91		Dibenzo(a,h)anthracene	1.188	1.169	1.6	109	0.02
92		Benzo(g,h,i)perylene	1.181	1.149	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	119	0.00
2		1,4-Dioxane	40.000	36.789	8.0	119	0.00
3		Pyridine	40.000	39.526	1.2	120	0.00
4		n-Nitrosodimethylamine	40.000	37.979	5.1	118	0.00
5	S	2-Fluorophenol	80.000	77.955	2.6	123	0.00
6		Aniline	40.000	39.210	2.0	118	0.00
7	S	Phenol-d6	80.000	79.089	1.1	120	0.00
8		2-Chlorophenol	40.000	39.367	1.6	120	0.00
9		Benzaldehyde	40.000	39.033	2.4	118	0.00
10	C	Phenol	40.000	39.089	2.3	119	0.00
11		bis(2-Chloroethyl)ether	40.000	37.938	5.2	118	0.00
12		1,3-Dichlorobenzene	40.000	37.893	5.3	120	0.00
13	C	1,4-Dichlorobenzene	40.000	37.904	5.2	118	0.00
14		1,2-Dichlorobenzene	40.000	37.896	5.3	119	0.00
15		Benzyl Alcohol	40.000	40.541	-1.4	119	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.037	4.9	117	0.00
17		2-Methylphenol	40.000	39.618	1.0	119	0.00
18		Hexachloroethane	40.000	37.211	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.165	2.1	115	0.00
20		3+4-Methylphenols	40.000	39.562	1.1	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	38.468	3.8	115	0.00
23	S	Nitrobenzene-d5	80.000	78.227	2.2	116	0.00
24		Nitrobenzene	40.000	38.505	3.7	115	0.00
25		Isophorone	40.000	38.491	3.8	113	0.00
26	C	2-Nitrophenol	40.000	41.121	-2.8	118	0.00
27		2,4-Dimethylphenol	40.000	39.484	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.714	3.2	115	0.00
29	C	2,4-Dichlorophenol	40.000	40.189	-0.5	116	0.00
30		1,2,4-Trichlorobenzene	40.000	38.109	4.7	118	0.00
31		Naphthalene	40.000	38.069	4.8	116	0.00
32		Benzoic acid	40.000	36.464	8.8	108	0.00
33		4-Chloroaniline	40.000	40.368	-0.9	116	0.00
34	C	Hexachlorobutadiene	40.000	37.285	6.8	115	0.00
35		Caprolactam	40.000	39.752	0.6	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.013	2.5	112	0.00
37		2-Methylnaphthalene	40.000	37.852	5.4	114	0.00
38		1-Methylnaphthalene	40.000	37.339	6.7	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.130	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.371	-10.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	78.525	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.549	-3.9	114	0.00
44		2,4,5-Trichlorophenol	40.000	41.064	-2.7	115	0.00
45	S	2-Fluorobiphenyl	80.000	76.733	4.1	110	0.00
46		1,1'-Biphenyl	40.000	38.906	2.7	112	0.00
47		2-Chloronaphthalene	40.000	39.238	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	40.604	-1.5	109	0.00
49		Acenaphthylene	40.000	38.493	3.8	109	0.00
50		Dimethylphthalate	40.000	38.751	3.1	110	0.00
51		2,6-Dinitrotoluene	40.000	39.317	1.7	109	0.00
52	C	Acenaphthene	40.000	37.904	5.2	108	0.00
53		3-Nitroaniline	40.000	40.871	-2.2	107	0.00
54	P	2,4-Dinitrophenol	40.000	37.829	5.4	109	0.00
55		Dibenzofuran	40.000	37.910	5.2	108	0.00
56	P	4-Nitrophenol	40.000	38.698	3.3	109	0.00
57		2,4-Dinitrotoluene	40.000	39.975	0.1	108	0.00
58		Fluorene	40.000	38.422	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.274	1.8	109	0.00
60		Diethylphthalate	40.000	38.171	4.6	110	0.00
61		4-Chlorophenyl-phenylether	40.000	38.249	4.4	111	0.00
62		4-Nitroaniline	40.000	42.722	-6.8	111	0.00
63		Azobenzene	40.000	38.822	2.9	110	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.305	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.382	4.0	108	0.00
67		4-Bromophenyl-phenylether	40.000	38.909	2.7	111	0.00
68		Hexachlorobenzene	40.000	38.175	4.6	110	0.00
69		Atrazine	40.000	39.570	1.1	111	0.00
70	C	Pentachlorophenol	40.000	41.124	-2.8	109	0.00
71		Phenanthrene	40.000	37.546	6.1	108	0.00
72		Anthracene	40.000	38.241	4.4	108	0.00
73		Carbazole	40.000	39.575	1.1	109	0.00
74		Di-n-butylphthalate	40.000	38.939	2.7	109	0.00
75	C	Fluoranthene	40.000	38.566	3.6	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	43.253	-8.1	113	0.00
78		Pyrene	40.000	38.281	4.3	107	0.01
79	S	Terphenyl-d14	80.000	76.753	4.1	107	0.01
80		Butylbenzylphthalate	40.000	40.523	-1.3	110	0.02
81		Benzo(a)anthracene	40.000	38.889	2.8	108	0.00
82		3,3'-Dichlorobenzidine	40.000	42.508	-6.3	111	0.00
83		Chrysene	40.000	38.227	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.433	-1.1	111	0.00
85	c	Di-n-octyl phthalate	40.000	41.721	-4.3	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.851	2.9	109	0.00
88		Benzo(b)fluoranthene	40.000	39.289	1.8	111	0.01
89		Benzo(k)fluoranthene	40.000	38.223	4.4	108	0.00
90	C	Benzo(a)pyrene	40.000	39.004	2.5	110	0.02
91		Dibenzo(a,h)anthracene	40.000	39.377	1.6	109	0.02
92		Benzo(g,h,i)perylene	40.000	38.906	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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

Raw Data: **BP024703.D**

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: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.129		-3.4	
Benzaldehyde	0.966	0.885		-8.4	
Phenol-d6	1.492	1.410		-5.5	
Phenol	1.540	1.418		-7.9	20.0
bis(2-Chloroethyl)ether	1.266	1.114		-12.0	
2-Chlorophenol	1.327	1.280		-3.5	
2-Methylphenol	1.105	1.022		-7.5	
2,2-oxybis(1-Chloropropane)	1.516	1.340		-11.6	
Acetophenone	0.500	0.472		-5.6	
3+4-Methylphenols	1.503	1.381		-8.1	
n-Nitroso-di-n-propylamine	1.032	0.915	0.050	-11.3	
Nitrobenzene-d5	0.396	0.375		-5.3	
Hexachloroethane	0.589	0.545		-7.5	
Nitrobenzene	0.348	0.330		-5.2	
Isophorone	0.687	0.624		-9.2	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.367		-10.5	
2,4-Dichlorophenol	0.292	0.289		-1.0	20.0
Naphthalene	1.036	0.995		-4.0	
4-Chloroaniline	0.418	0.409		-2.2	
Hexachlorobutadiene	0.213	0.211		-0.9	20.0
Caprolactam	0.106	0.098		-7.5	
4-Chloro-3-methylphenol	0.356	0.337		-5.3	20.0
2-Methylnaphthalene	0.671	0.634		-5.5	
Hexachlorocyclopentadiene	0.352	0.351	0.050	-0.3	
2,4,6-Trichlorophenol	0.376	0.384		2.1	20.0
2-Fluorobiphenyl	1.527	1.512		-1.0	
2,4,5-Trichlorophenol	0.419	0.427		1.9	
1,1-Biphenyl	1.478	1.420		-3.9	
2-Chloronaphthalene	1.127	1.097		-2.7	
2-Nitroaniline	0.334	0.320		-4.2	
Dimethylphthalate	1.524	1.412		-7.3	
Acenaphthylene	1.886	1.792		-5.0	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.315		-4.3	
Acenaphthene	1.084	1.035		-4.5	20.0
2,4-Dinitrophenol	0.169	0.160	0.050	-5.3	
4-Nitrophenol	0.250	0.320	0.050	28.0	

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: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.654		-4.4	
2,4-Dinitrotoluene	0.454	0.441		-2.9	
Diethylphthalate	1.541	1.438		-6.7	
4-Chlorophenyl-phenylether	0.703	0.679		-3.4	
Fluorene	1.410	1.354		-4.0	
4-Nitroaniline	0.317	0.299		-5.7	
4,6-Dinitro-2-methylphenol	0.129	0.128		-0.8	
n-Nitrosodiphenylamine	0.614	0.596		-2.9	20.0
2,4,6-Tribromophenol	0.339	0.348		2.7	
4-Bromophenyl-phenylether	0.236	0.238		0.8	
Hexachlorobenzene	0.299	0.299		0.0	
Atrazine	0.225	0.224		-0.4	
Pentachlorophenol	0.168	0.165		-1.8	20.0
Phenanthrene	1.112	1.065		-4.2	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	0.966		-4.5	
Di-n-butylphthalate	1.302	1.263		-3.0	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.171		-2.3	
Terphenyl-d14	1.166	1.167		0.1	
Butylbenzylphthalate	0.533	0.527		-1.1	
3,3-Dichlorobenzidine	0.466	0.476		2.1	
Benzo(a)anthracene	1.256	1.210		-3.7	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.764		-2.4	
Di-n-octyl phthalate	1.281	1.290		0.7	20.0
Benzo(b)fluoranthene	1.145	1.102		-3.8	
Benzo(k)fluoranthene	1.180	1.133		-4.0	
Benzo(a)pyrene	1.099	1.069		-2.7	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.420		-2.7	
Dibenzo(a,h)anthracene	1.188	1.154		-2.9	
Benzo(g,h,i)perylene	1.181	1.129		-4.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.583		0.3	
1,4-Dioxane	0.549	0.490		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.381		-1.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.657	152	123667	20.000	ng		0.00
21) Naphthalene-d8	10.428	136	504753	20.000	ng		0.00
39) Acenaphthene-d10	14.287	164	316846	20.000	ng		-0.02
64) Phenanthrene-d10	17.081	188	620396	20.000	ng		-0.02
76) Chrysene-d12	21.516	240	679929	20.000	ng		0.00
86) Perylene-d12	24.798	264	792201	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	558471	77.239	ng		0.00
7) Phenol-d6	6.858	99	697511	75.586	ng		0.00
23) Nitrobenzene-d5	8.804	82	758074	75.884	ng		0.00
42) 2,4,6-Tribromophenol	15.804	330	441081	82.116	ng		0.00
45) 2-Fluorobiphenyl	12.893	172	1916443	79.243	ng		-0.01
79) Terphenyl-d14	19.810	244	3174042	80.045	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	121113	35.672	ng		99
3) Pyridine	3.622	79	281565	37.400	ng		98
4) n-Nitrosodimethylamine	3.528	42	126280	37.995	ng		94
6) Aniline	6.999	93	436222	36.614	ng		99
8) 2-Chlorophenol	7.234	128	316592	38.571	ng		98
9) Benzaldehyde	6.810	77	218883	36.642	ng		99
10) Phenol	6.887	94	350820	36.834	ng		96
11) bis(2-Chloroethyl)ether	7.093	93	275441	35.195	ng		98
12) 1,3-Dichlorobenzene	7.546	146	358557	37.969	ng		99
13) 1,4-Dichlorobenzene	7.693	146	361848	38.098	ng		100
14) 1,2-Dichlorobenzene	8.005	146	350515	37.873	ng		99
15) Benzyl Alcohol	7.905	79	266818	38.049	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	331428	35.362	ng		99
17) 2-Methylphenol	8.116	107	252873	37.017	ng		97
18) Hexachloroethane	8.716	117	134692	37.007	ng		95
19) n-Nitroso-di-n-propyla...	8.457	70	226226	35.440	ng		99
20) 3+4-Methylphenols	8.440	107	341536	36.755	ng		99
22) Acetophenone	8.475	105	475992	37.752	ng	#	99
24) Nitrobenzene	8.846	77	332647	37.838	ng		96
25) Isophorone	9.369	82	630069	36.360	ng		98
26) 2-Nitrophenol	9.552	139	180007	41.786	ng		99
27) 2,4-Dimethylphenol	9.622	122	298599	39.314	ng		99
28) bis(2-Chloroethoxy)met...	9.840	93	370445	35.782	ng		100
29) 2,4-Dichlorophenol	10.104	162	291338	39.583	ng		96
30) 1,2,4-Trichlorobenzene	10.287	180	329782	39.761	ng		95
31) Naphthalene	10.475	128	1004479	38.402	ng		99
32) Benzoic acid	9.793	122	177252	35.775	ng		96
33) 4-Chloroaniline	10.593	127	412703	39.100	ng		99
34) Hexachlorobutadiene	10.757	225	213441	39.725	ng		97
35) Caprolactam	11.393	113	99335	37.303	ng		99
36) 4-Chloro-3-methylphenol	11.740	107	340527	37.939	ng		97
37) 2-Methylnaphthalene	12.087	142	640384	37.810	ng		99
38) 1-Methylnaphthalene	12.310	142	679915	37.519	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	369584	40.169	ng		99
41) Hexachlorocyclopentadiene	12.440	237	222383	39.860	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	243302	40.826	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

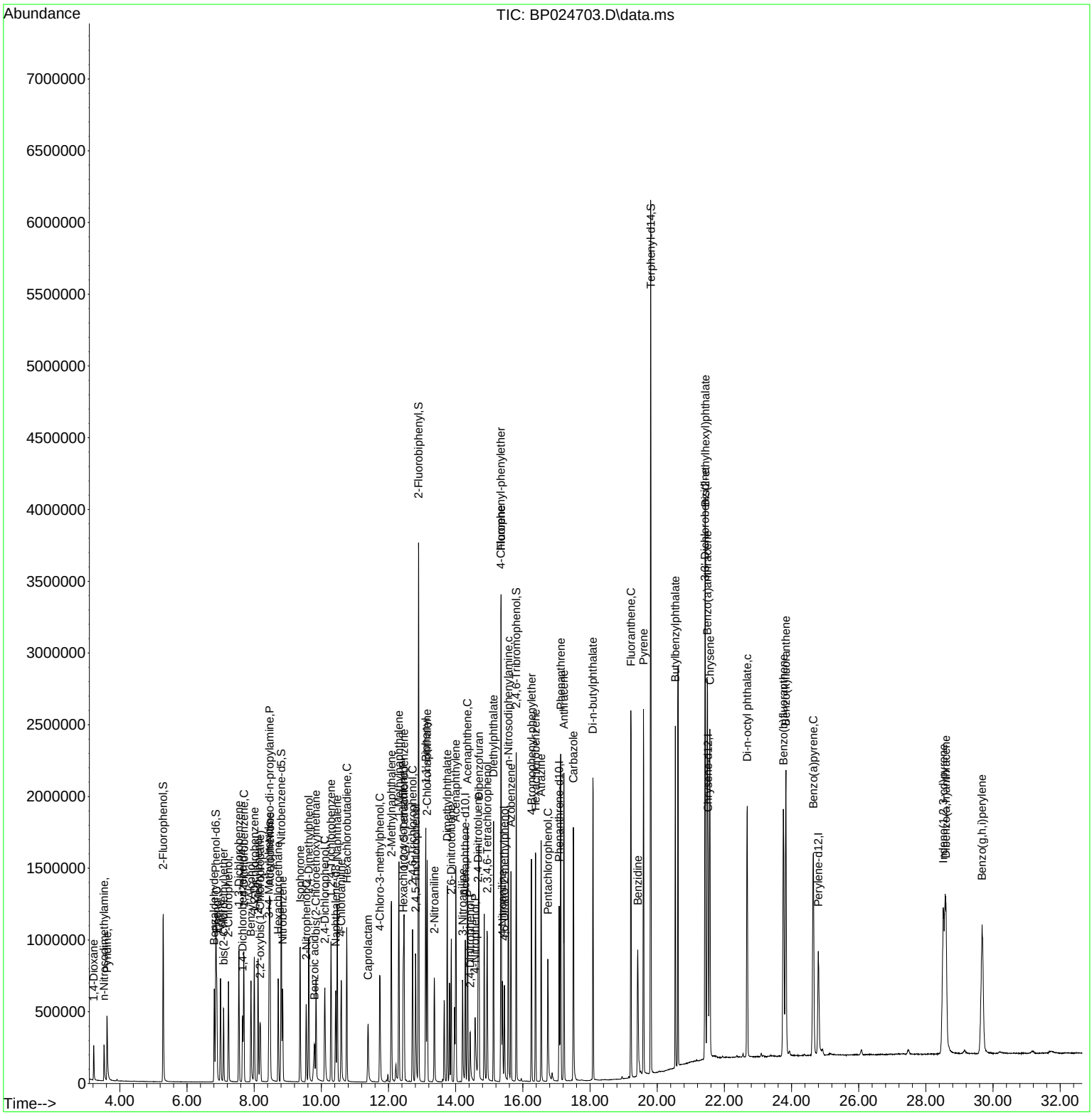
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.810	196	270865	40.832	ng		97
46) 1,1'-Biphenyl	13.110	154	899673	38.417	ng		99
47) 2-Chloronaphthalene	13.151	162	695128	38.930	ng		99
48) 2-Nitroaniline	13.363	65	203001	38.400	ng		98
49) Acenaphthylene	14.004	152	1135762	38.009	ng		100
50) Dimethylphthalate	13.751	163	895032	37.061	ng		100
51) 2,6-Dinitrotoluene	13.869	165	197446	38.712	ng		98
52) Acenaphthene	14.351	154	656098	38.193	ng		100
53) 3-Nitroaniline	14.204	138	199441	38.296	ng		99
54) 2,4-Dinitrophenol	14.434	184	101110	35.323	ng		97
55) Dibenzofuran	14.692	168	1048113	38.252	ng		99
56) 4-Nitrophenol	14.581	139	202652	46.802	ng		97
57) 2,4-Dinitrotoluene	14.669	165	279529	38.874	ng		99
58) Fluorene	15.351	166	857836	38.395	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.939	232	241572	39.256	ng		97
60) Diethylphthalate	15.128	149	911477	37.342	ng		99
61) 4-Chlorophenyl-phenyle...	15.345	204	430331	38.622	ng		99
62) 4-Nitroaniline	15.392	138	189242	37.633	ng		98
63) Azobenzene	15.645	77	752861	36.055	ng		97
65) 4,6-Dinitro-2-methylph...	15.451	198	158899	39.652	ng		97
66) n-Nitrosodiphenylamine	15.569	169	740115	38.839	ng		98
67) 4-Bromophenyl-phenylether	16.257	248	295412	40.410	ng		97
68) Hexachlorobenzene	16.381	284	370994	39.938	ng		94
69) Atrazine	16.545	200	277598	39.750	ng		99
70) Pentachlorophenol	16.745	266	204812	39.278	ng		100
71) Phenanthrene	17.128	178	1321707	38.323	ng		100
72) Anthracene	17.222	178	1355916	39.076	ng		100
73) Carbazole	17.504	167	1198207	38.152	ng		100
74) Di-n-butylphthalate	18.086	149	1566966	38.795	ng		100
75) Fluoranthene	19.216	202	1531668	37.992	ng		99
77) Benzidine	19.422	184	725976	39.203	ng		99
78) Pyrene	19.592	202	1591992	39.077	ng		100
80) Butylbenzylphthalate	20.539	149	716477	39.544	ng		96
81) Benzo(a)anthracene	21.492	228	1645382	38.539	ng		99
82) 3,3'-Dichlorobenzidine	21.421	252	646986	40.800	ng		100
83) Chrysene	21.569	228	1543547	38.139	ng		100
84) Bis(2-ethylhexyl)phtha...	21.433	149	1039093	39.018	ng		99
85) Di-n-octyl phthalate	22.680	149	1753560	40.266	ng		99
87) Indeno(1,2,3-cd)pyrene	28.515	276	2249969	38.903	ng	#	87
88) Benzo(b)fluoranthene	23.757	252	1745599	38.496	ng		99
89) Benzo(k)fluoranthene	23.833	252	1794614	38.409	ng		99
90) Benzo(a)pyrene	24.651	252	1693647	38.890	ng		99
91) Dibenzo(a,h)anthracene	28.598	278	1829060	38.874	ng		99
92) Benzo(g,h,i)perylene	29.674	276	1788388	38.222	ng		98

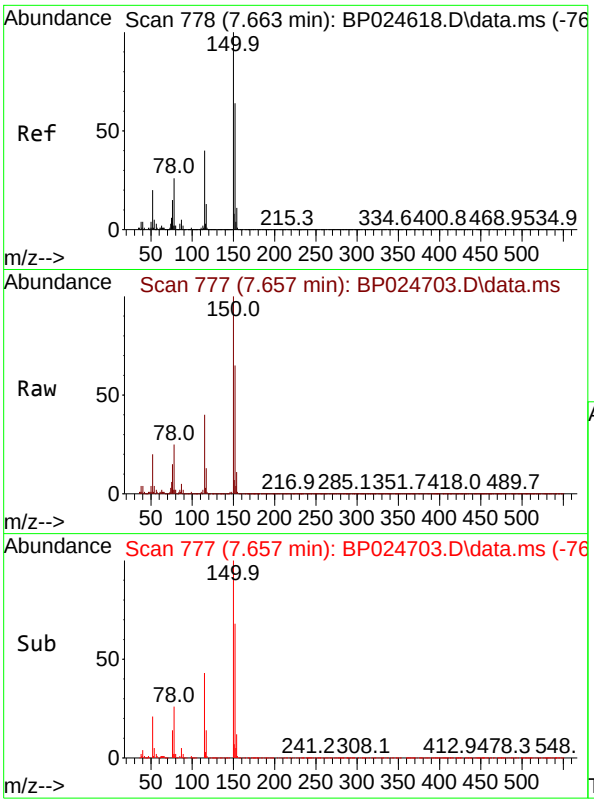
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



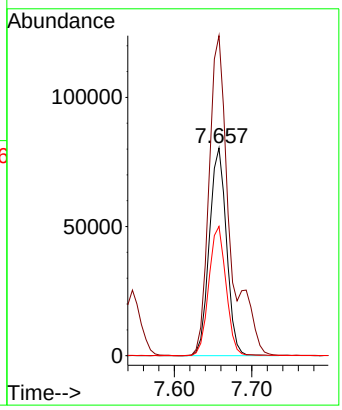


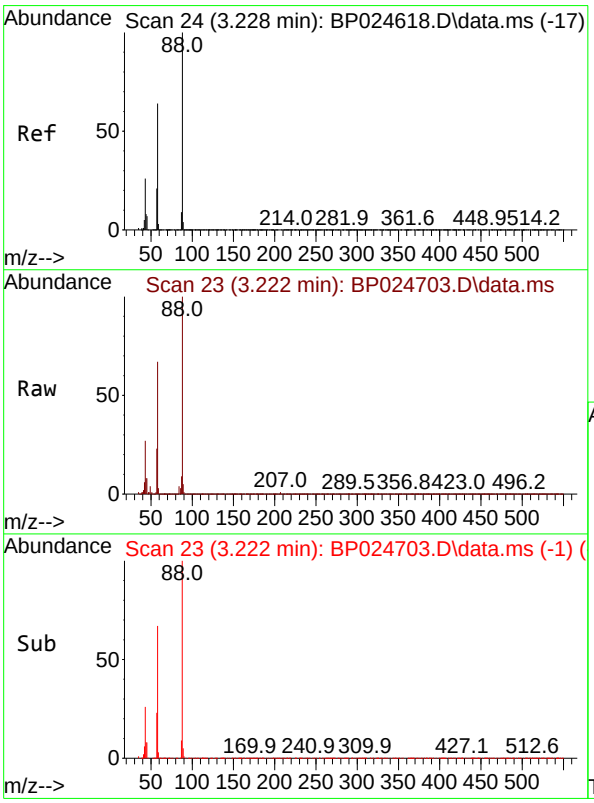
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 123667

Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.9	188.9
115	62.3	50.1	75.1

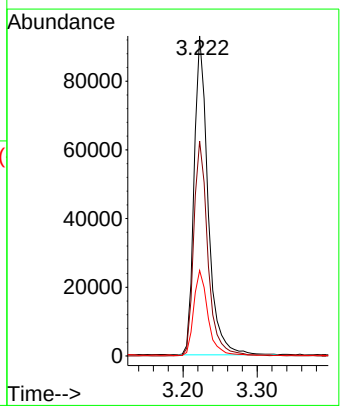


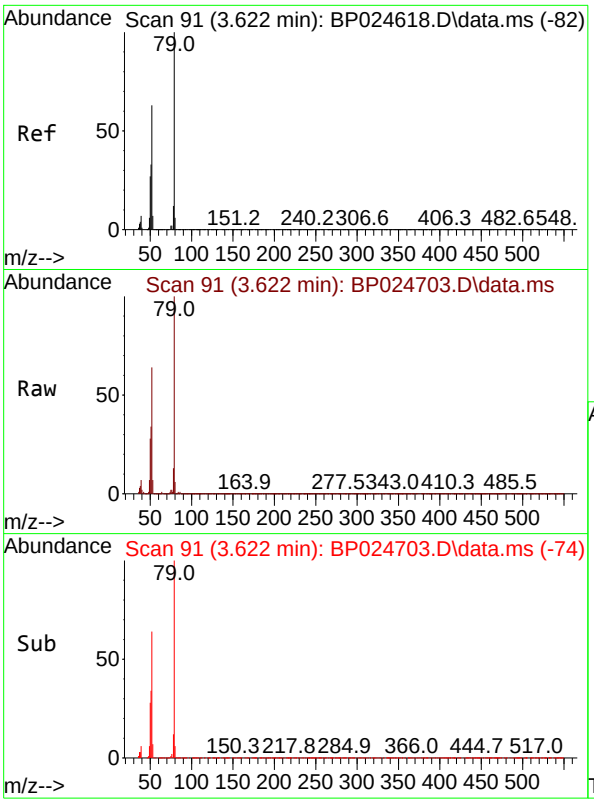


#2
1,4-Dioxane
Concen: 35.672 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 88 Resp: 121113

Ion	Ratio	Lower	Upper
88	100		
58	68.3	54.0	81.0
43	27.3	21.4	32.0



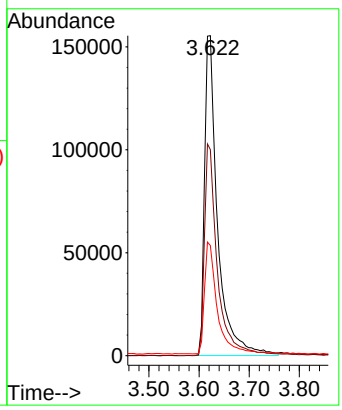


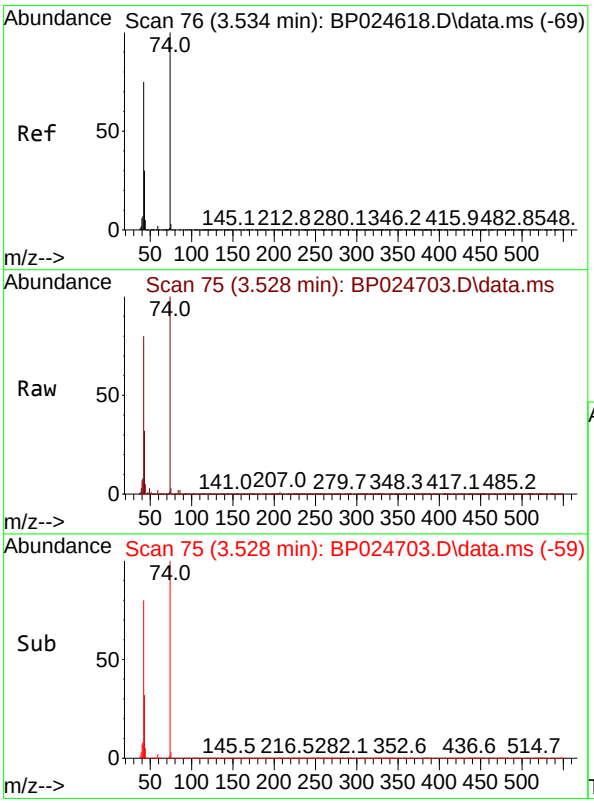
#3
Pyridine
Concen: 37.400 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 281565

Ion	Ratio	Lower	Upper
79	100		
52	64.4	50.2	75.2
51	34.4	26.8	40.2

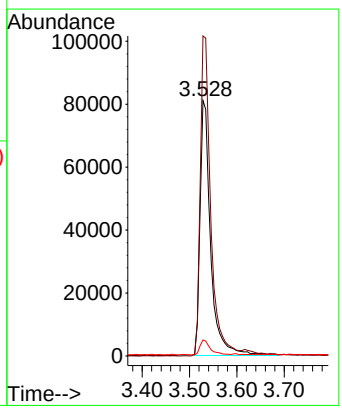


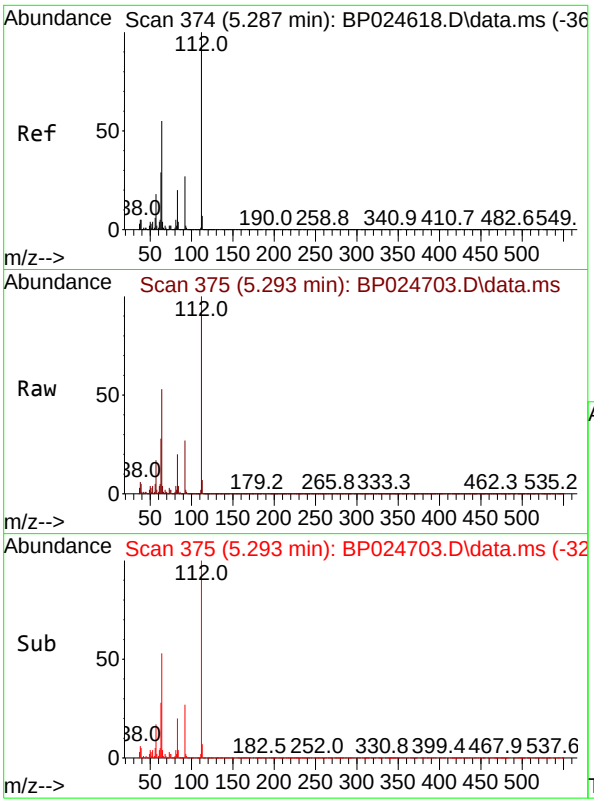


#4
n-Nitrosodimethylamine
Concen: 37.995 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 42 Resp: 126280

Ion	Ratio	Lower	Upper
42	100		
74	125.3	106.2	159.2
44	6.3	5.4	8.2



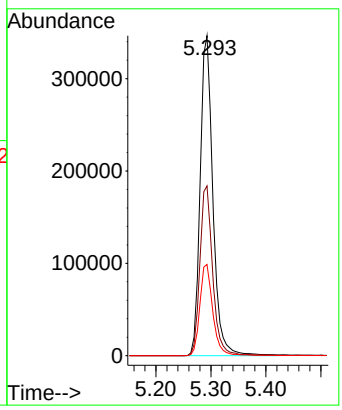


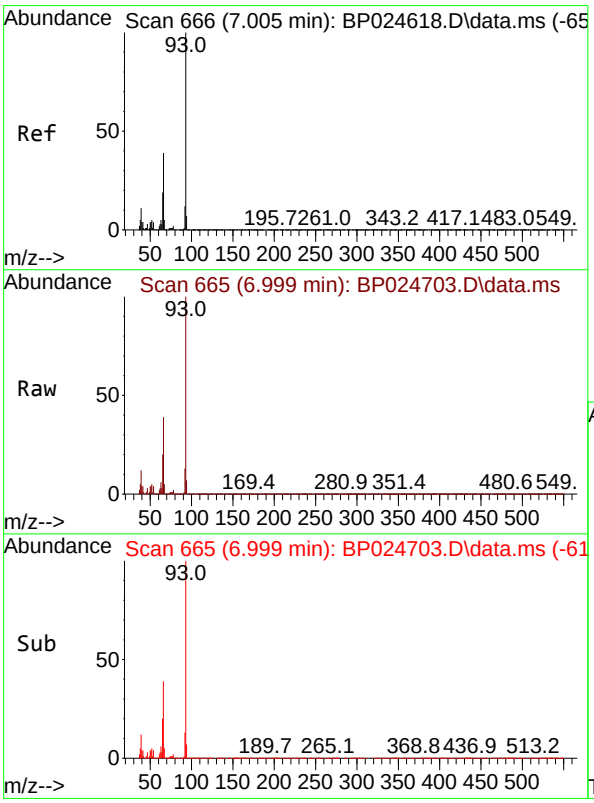
#5
2-Fluorophenol
Concen: 77.239 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 558471

Ion	Ratio	Lower	Upper
112	100		
64	53.1	44.1	66.1
63	28.5	23.5	35.3

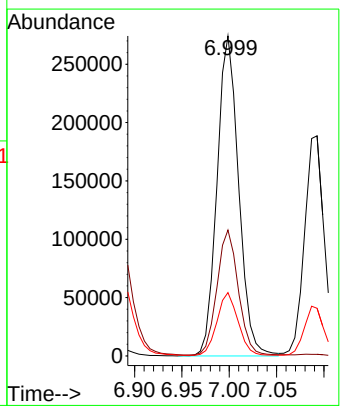


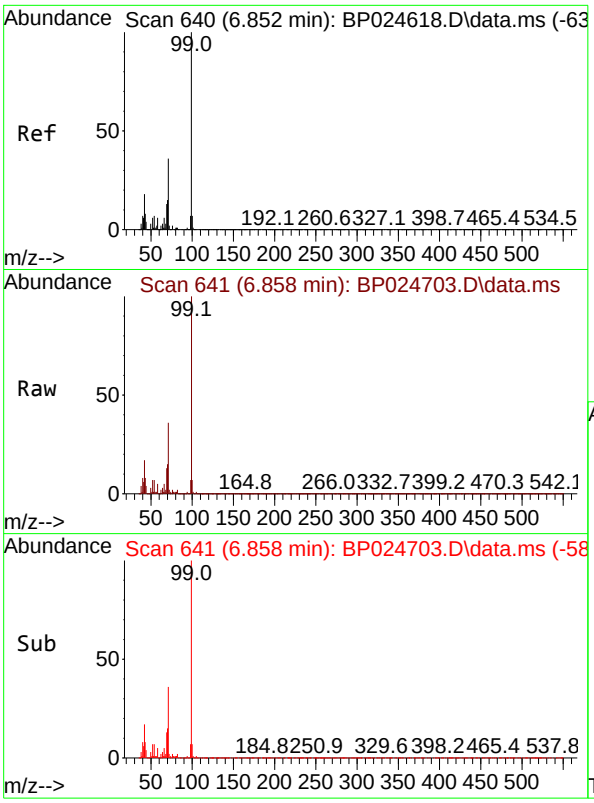


#6
Aniline
Concen: 36.614 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 93 Resp: 436222

Ion	Ratio	Lower	Upper
93	100		
66	39.3	31.0	46.6
65	19.8	15.5	23.3



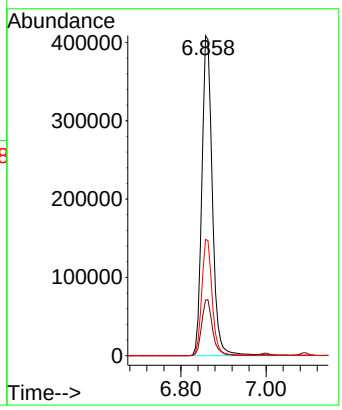


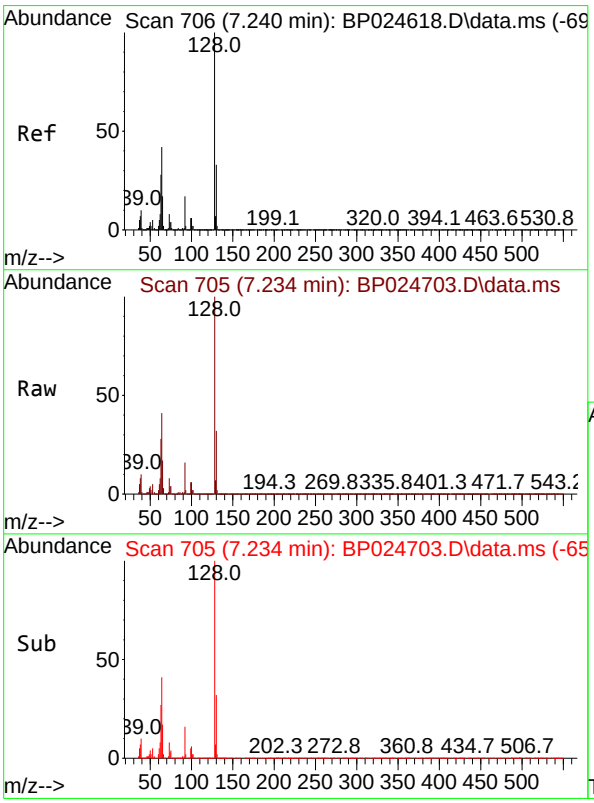
#7
Phenol-d6
Concen: 75.586 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 697511

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	36.3	29.2	43.8

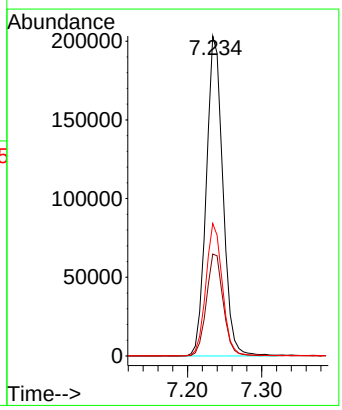


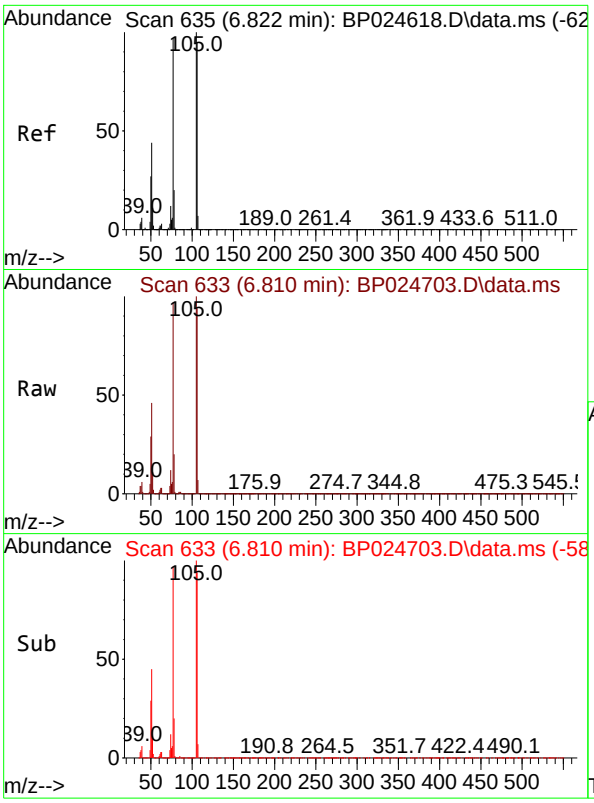


#8
2-Chlorophenol
Concen: 38.571 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:128 Resp: 316592

Ion	Ratio	Lower	Upper
128	100		
130	31.8	13.0	53.0
64	41.4	22.3	62.3



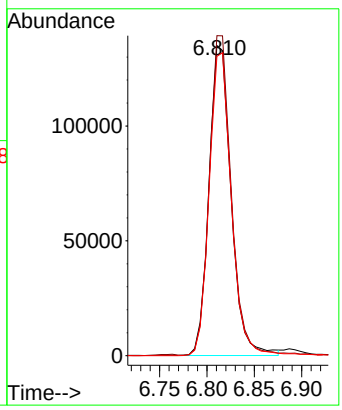


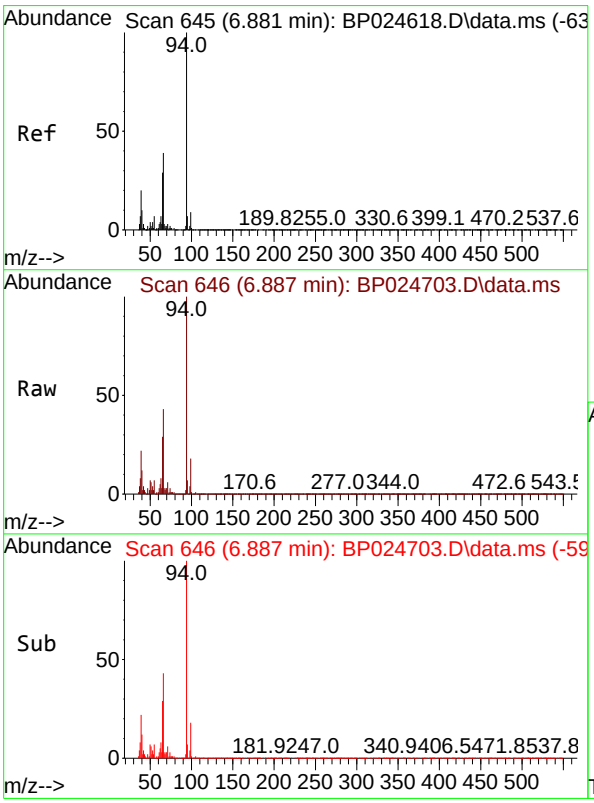
#9
Benzaldehyde
Concen: 36.642 ng
RT: 6.810 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 218883

Ion	Ratio	Lower	Upper
77	100		
105	103.2	83.3	123.3
106	96.5	78.0	118.0

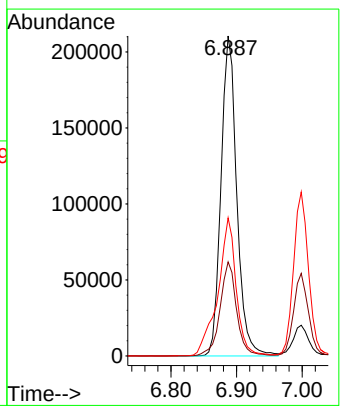


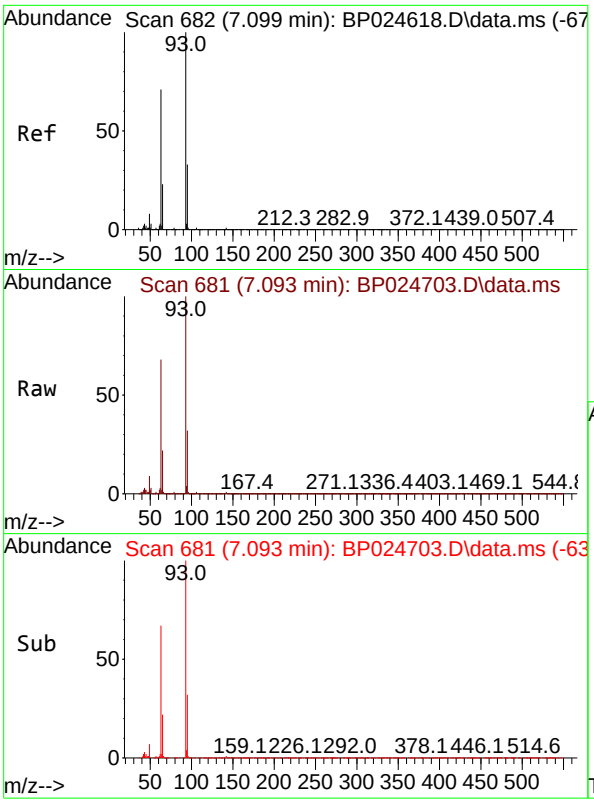


#10
Phenol
Concen: 36.834 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 94 Resp: 350820

Ion	Ratio	Lower	Upper
94	100		
65	29.4	8.7	48.7
66	43.1	19.4	59.4



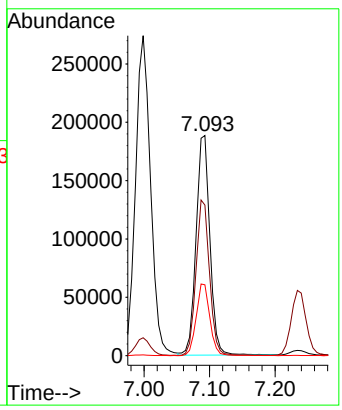


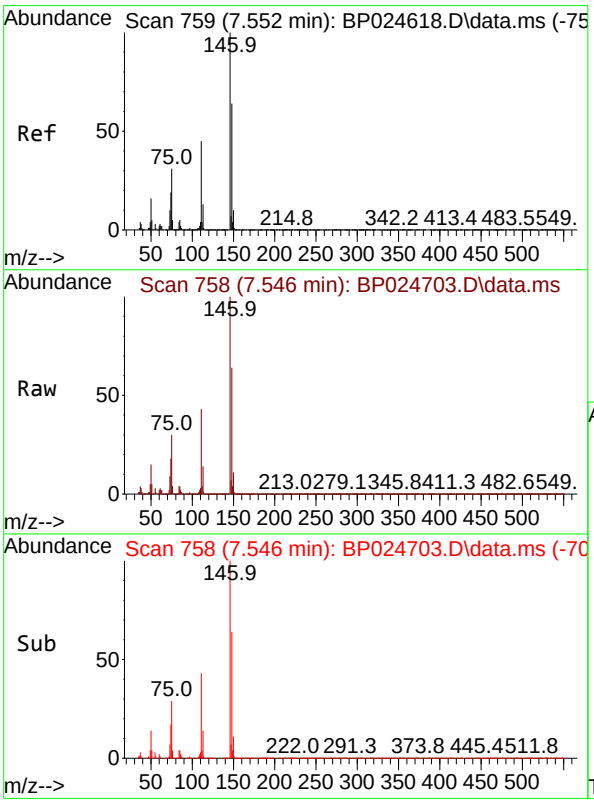
#11
bis(2-Chloroethyl)ether
Concen: 35.195 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 275441

Ion	Ratio	Lower	Upper
93	100		
63	68.4	50.6	90.6
95	32.2	12.9	52.9

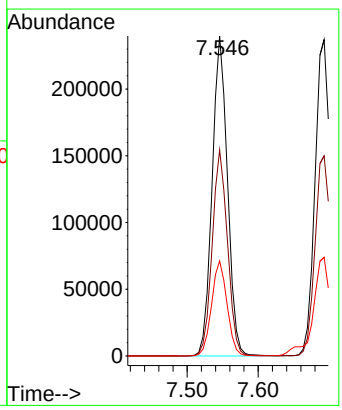


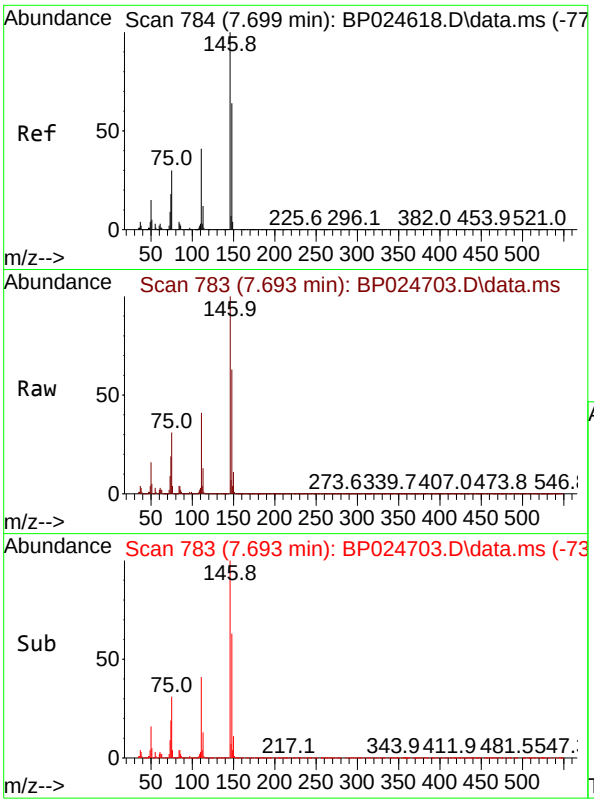


#12
1,3-Dichlorobenzene
Concen: 37.969 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:146 Resp: 358557

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
75	29.7	25.2	37.8



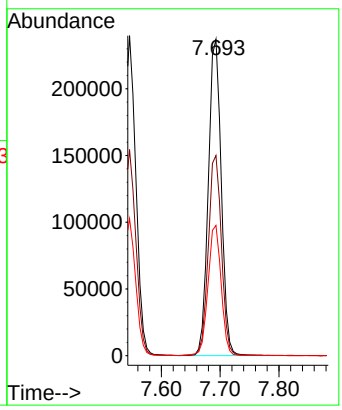


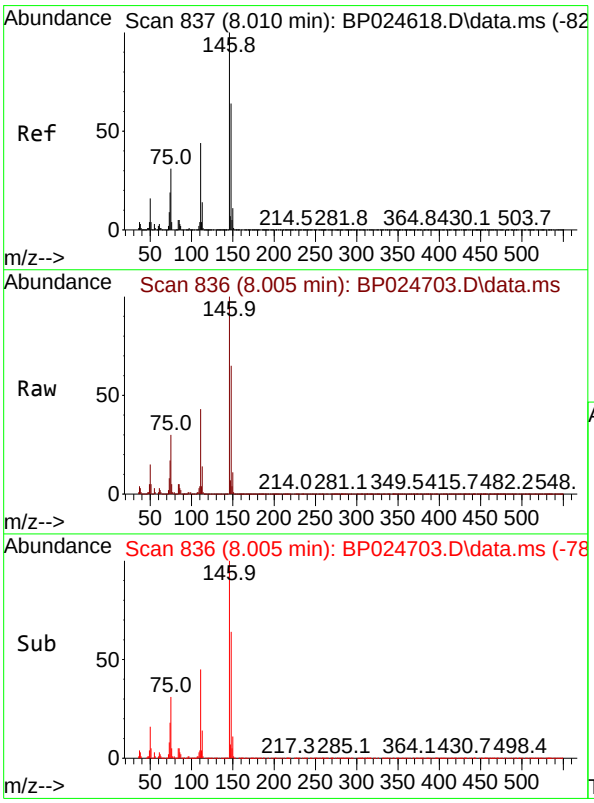
#13
1,4-Dichlorobenzene
Concen: 38.098 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 361848

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
111	41.2	33.0	49.6

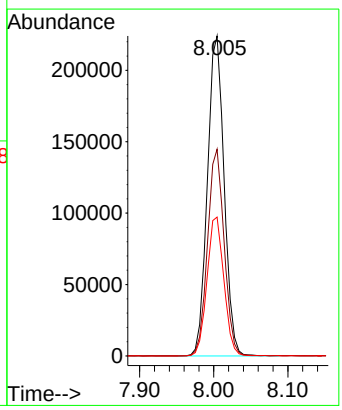


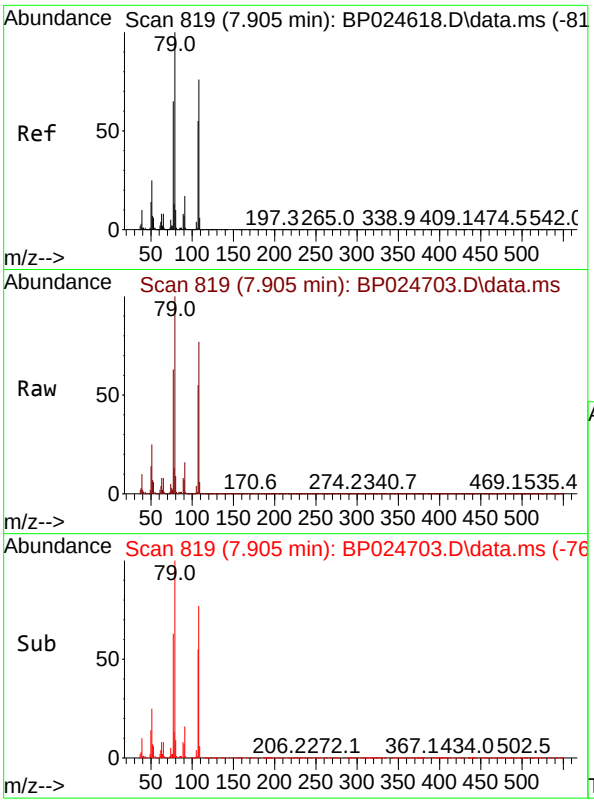


#14
1,2-Dichlorobenzene
Concen: 37.873 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:146 Resp: 350515

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	43.4	35.2	52.8



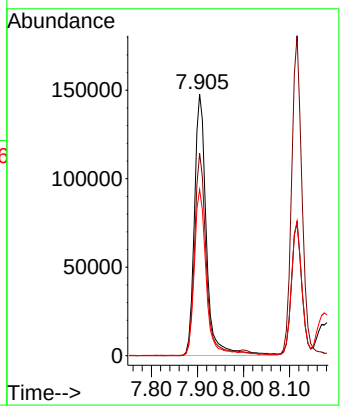


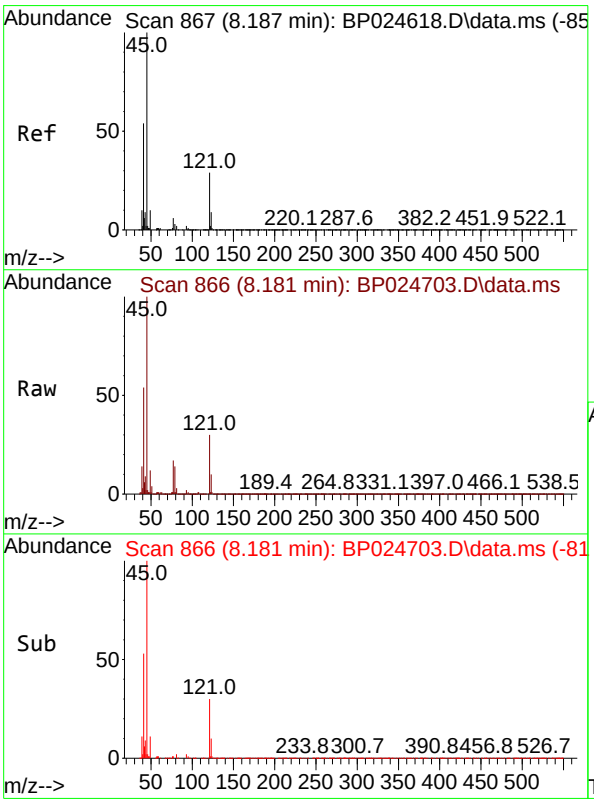
#15
Benzyl Alcohol
Concen: 38.049 ng
RT: 7.905 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 266818

Ion	Ratio	Lower	Upper
79	100		
108	77.4	60.8	91.2
77	63.4	51.9	77.9

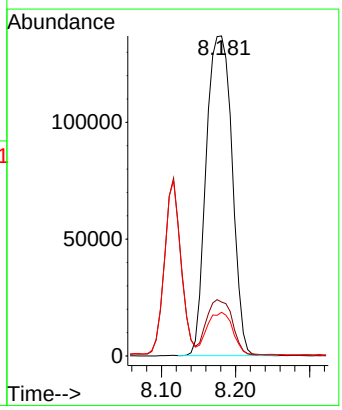


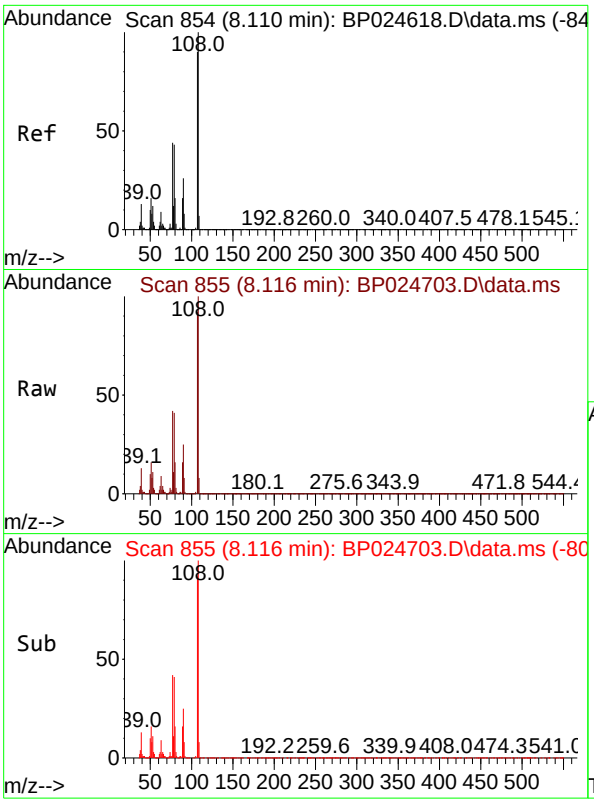


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.362 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 45 Resp: 331428

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.7
79	13.6	0.0	34.0



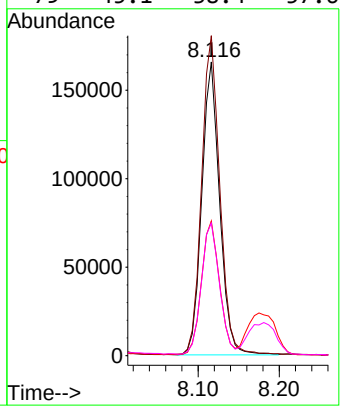


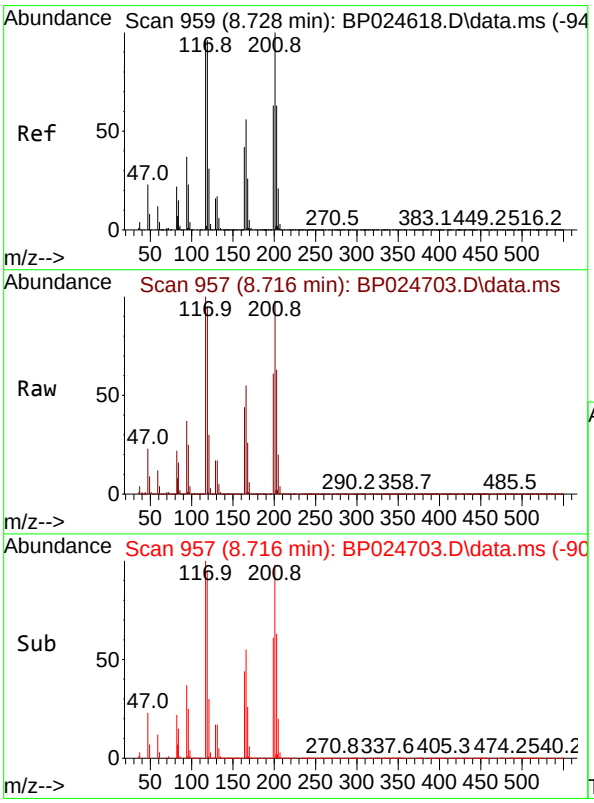
#17
2-Methylphenol
Concen: 37.017 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 252873

Ion	Ratio	Lower	Upper
107	100		
108	108.9	88.9	133.3
77	45.8	39.0	58.6
79	45.1	38.4	57.6

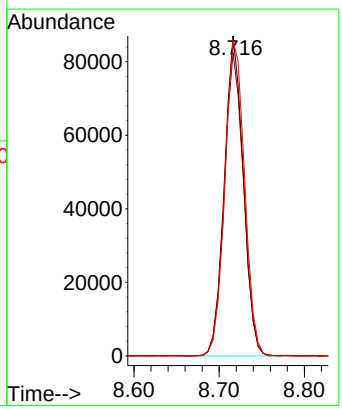


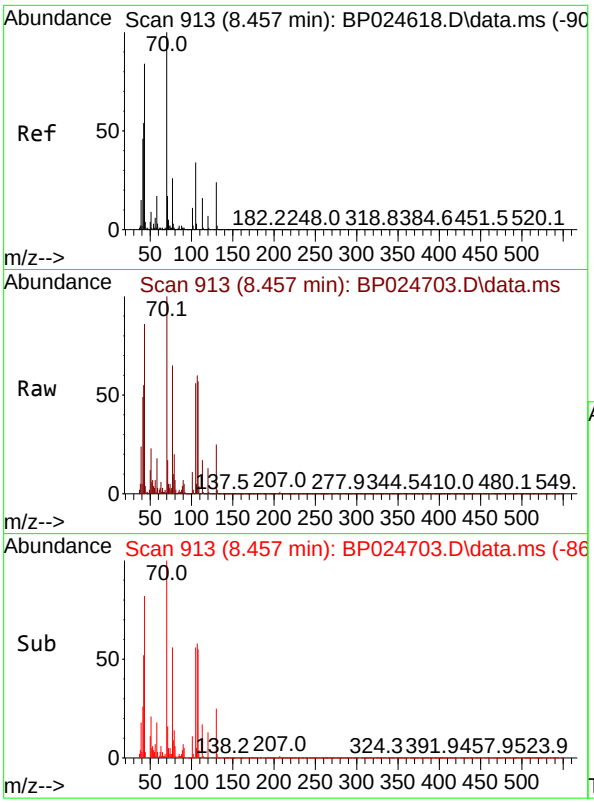


#18
Hexachloroethane
Concen: 37.007 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:117 Resp: 134692

Ion	Ratio	Lower	Upper
117	100		
119	94.6	79.4	119.0
201	98.4	82.7	124.1



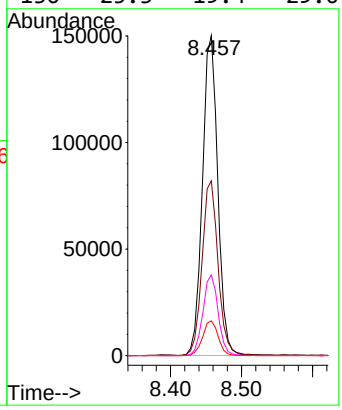


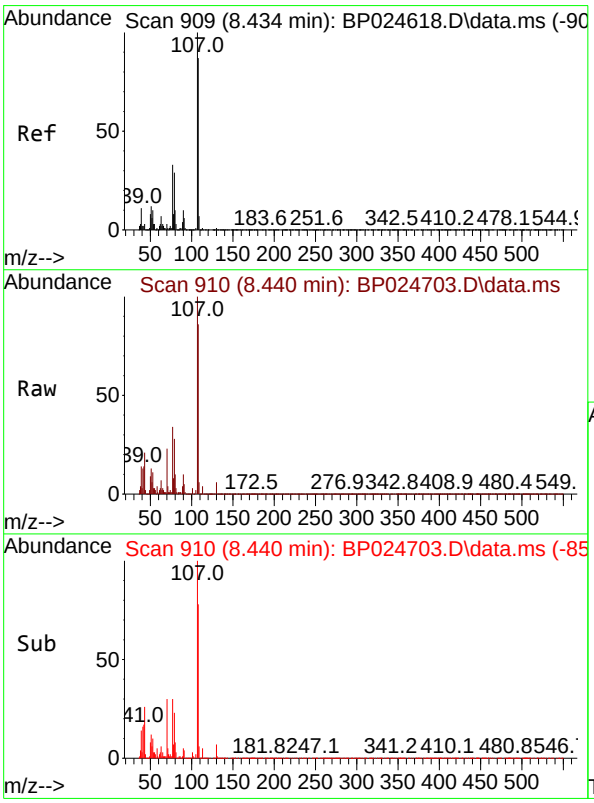
#19
n-Nitroso-di-n-propylamine
Concen: 35.440 ng
RT: 8.457 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 226226

Ion	Ratio	Lower	Upper
70	100		
42	54.7	43.0	64.6
101	10.9	8.7	13.1
130	25.3	19.4	29.0

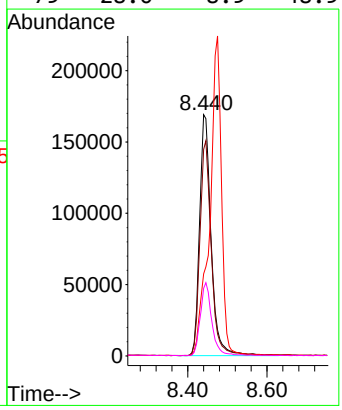


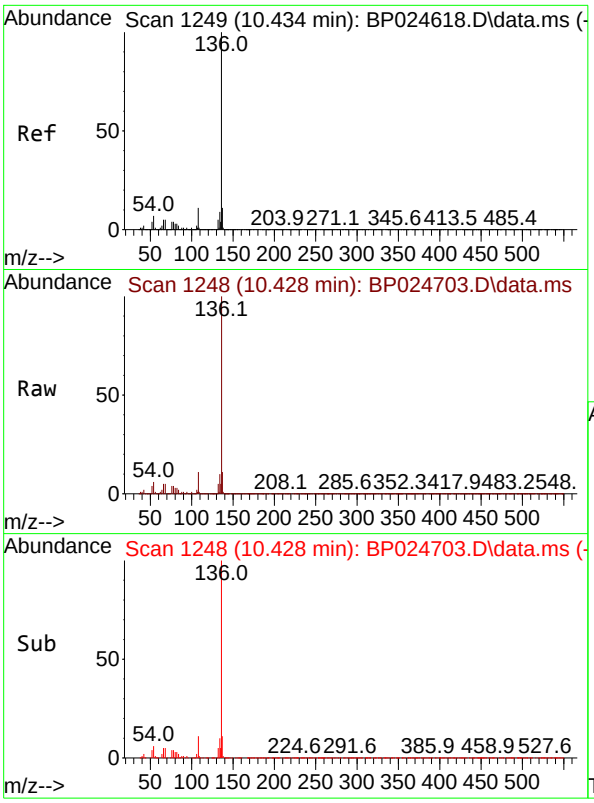


#20
3+4-Methylphenols
Concen: 36.755 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:107 Resp: 341536

Ion	Ratio	Lower	Upper
107	100		
108	85.6	66.7	106.7
77	34.0	13.1	53.1
79	28.0	8.9	48.9



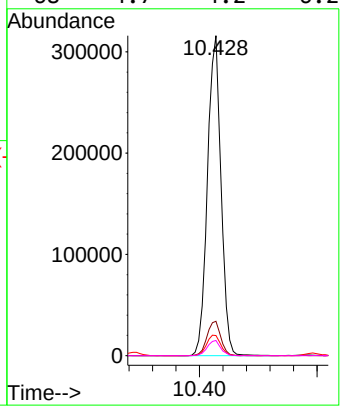


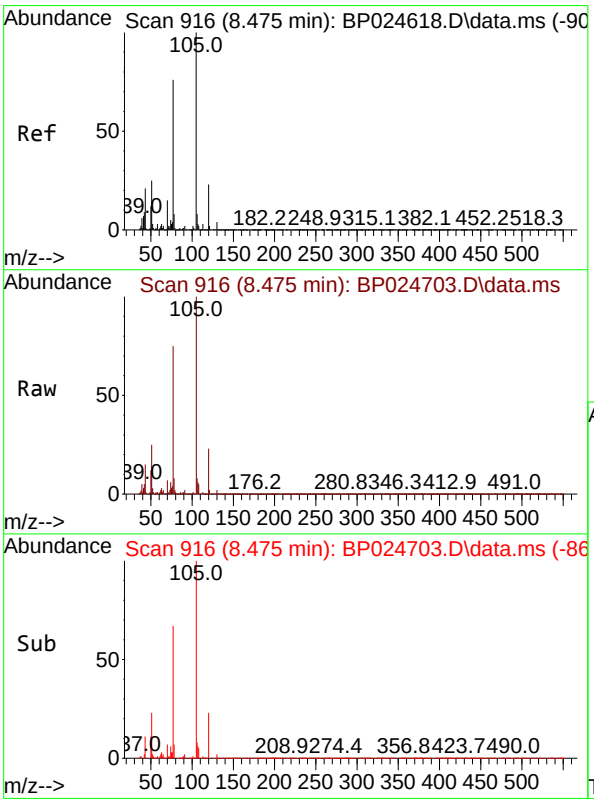
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 504753

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.3	5.5	8.3
68	4.7	4.2	6.2

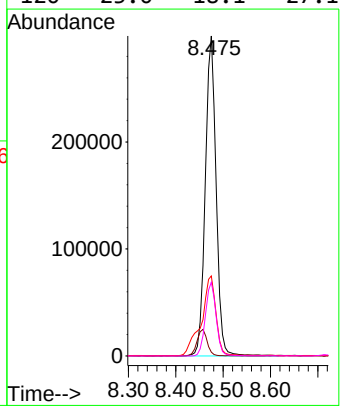


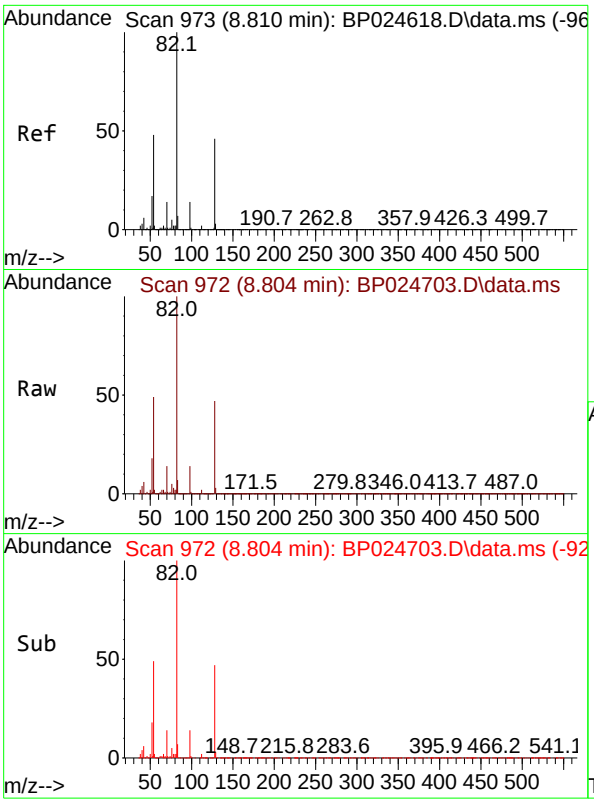


#22
Acetophenone
Concen: 37.752 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:105 Resp: 475992

Ion	Ratio	Lower	Upper
105	100		
71	1.2	2.0	3.0#
51	25.0	20.4	30.6
120	23.0	18.1	27.1



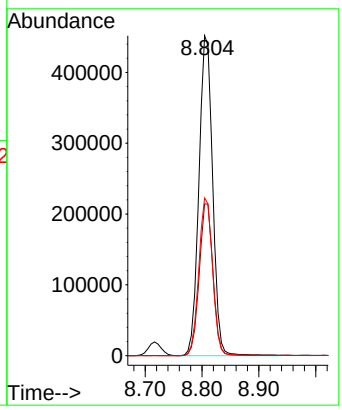


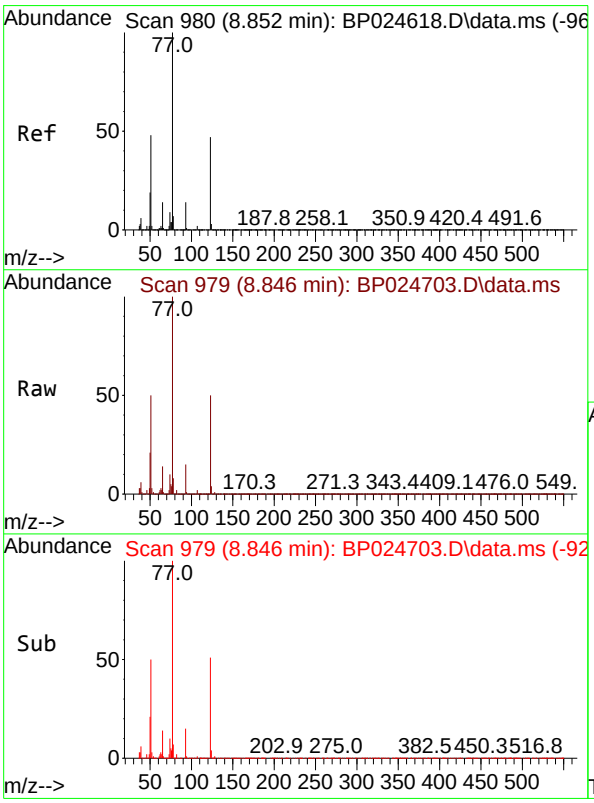
#23
Nitrobenzene-d5
Concen: 75.884 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 758074

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.4
54	49.3	38.7	58.1

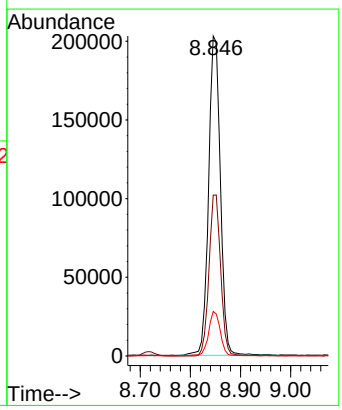


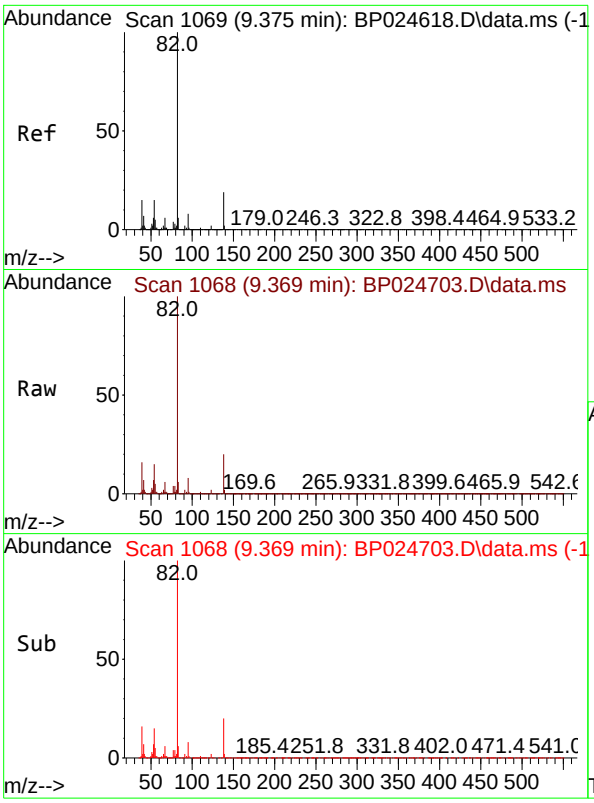


#24
Nitrobenzene
Concen: 37.838 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 77 Resp: 332647

Ion	Ratio	Lower	Upper
77	100		
123	50.2	37.4	56.0
65	13.9	11.3	16.9



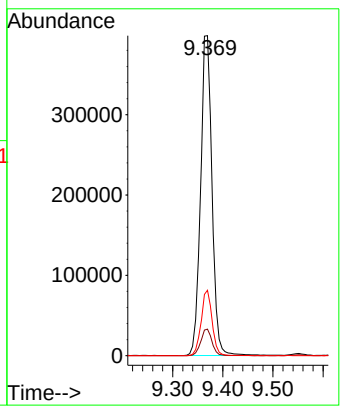


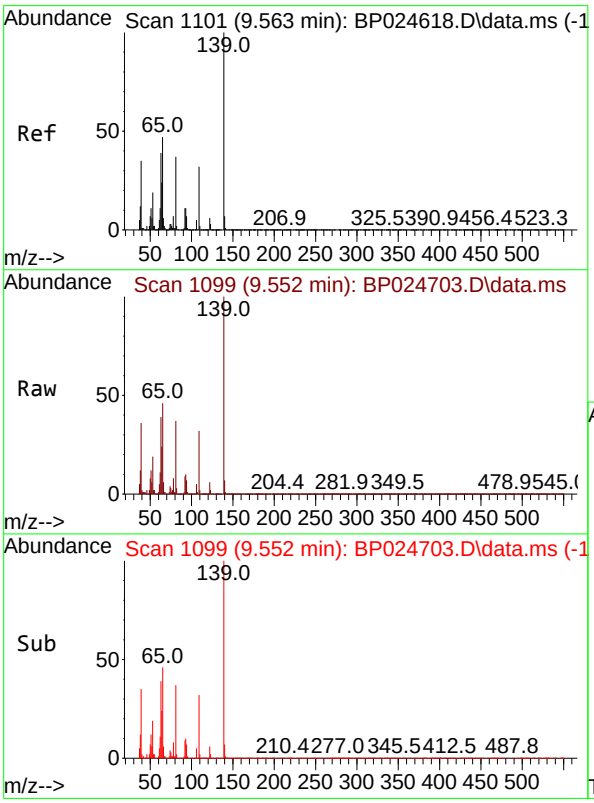
#25
Isophorone
Concen: 36.360 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 630069

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.3	9.5
138	20.5	15.3	22.9

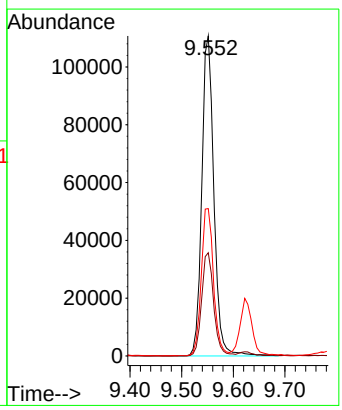


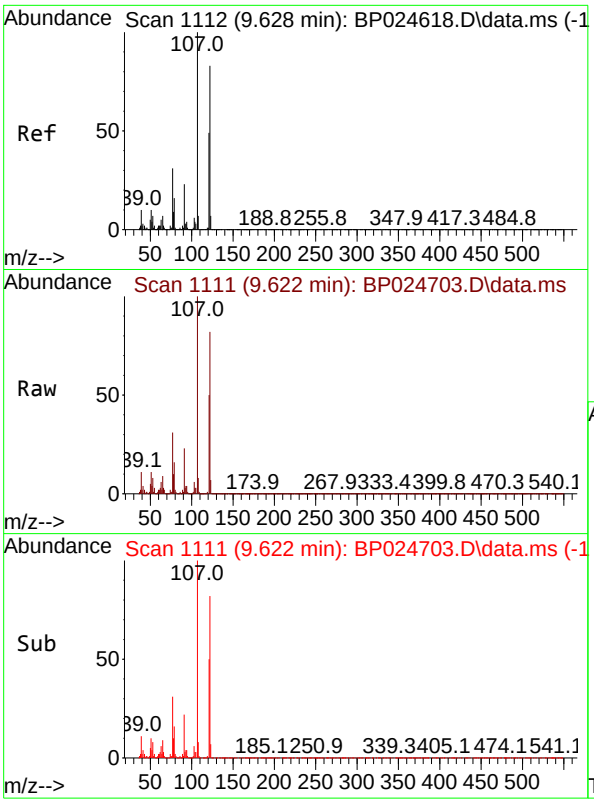


#26
2-Nitrophenol
Concen: 41.786 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:139 Resp: 180007

Ion	Ratio	Lower	Upper
139	100		
109	32.2	25.9	38.9
65	46.0	37.9	56.9



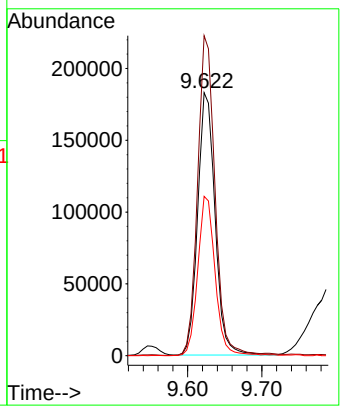


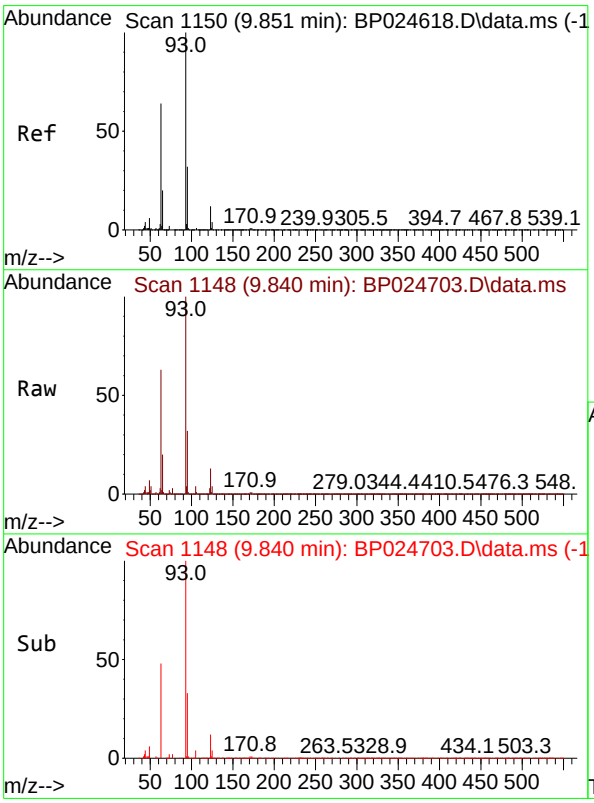
#27
2,4-Dimethylphenol
Concen: 39.314 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 298599

Ion	Ratio	Lower	Upper
122	100		
107	121.6	96.2	144.2
121	60.6	47.6	71.4

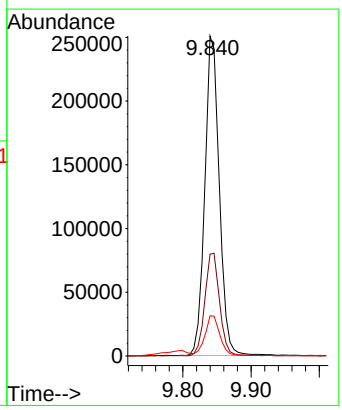


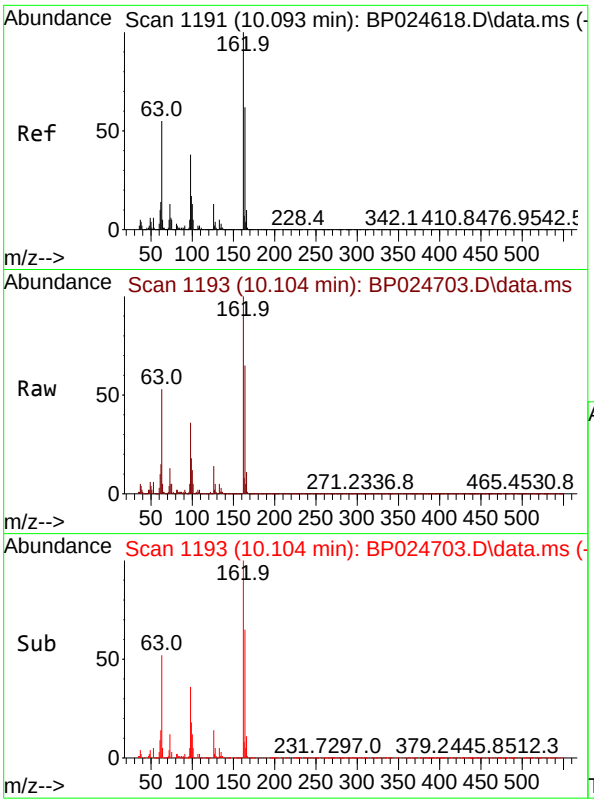


#28
bis(2-Chloroethoxy)methane
Concen: 35.782 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 93 Resp: 370445

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.5	38.3
123	12.6	9.7	14.5



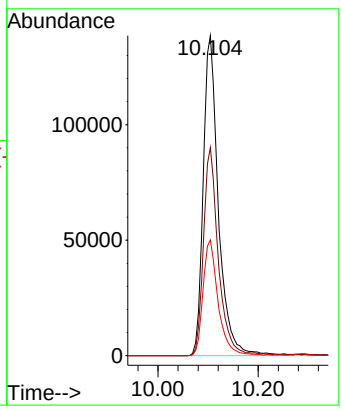


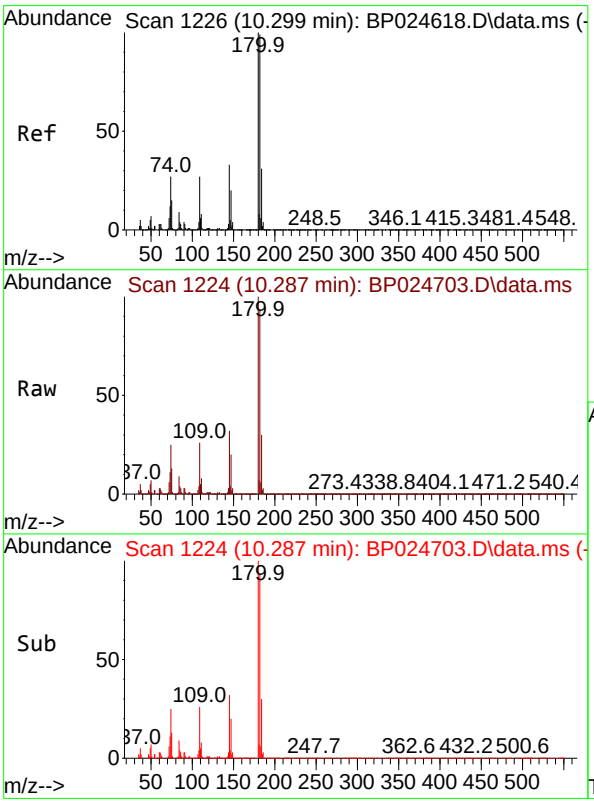
#29
2,4-Dichlorophenol
Concen: 39.583 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 291338

Ion	Ratio	Lower	Upper
162	100		
164	65.1	42.3	82.3
98	36.2	18.4	58.4

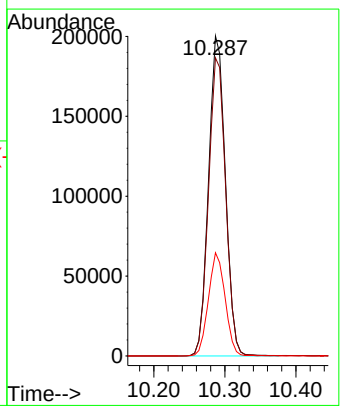


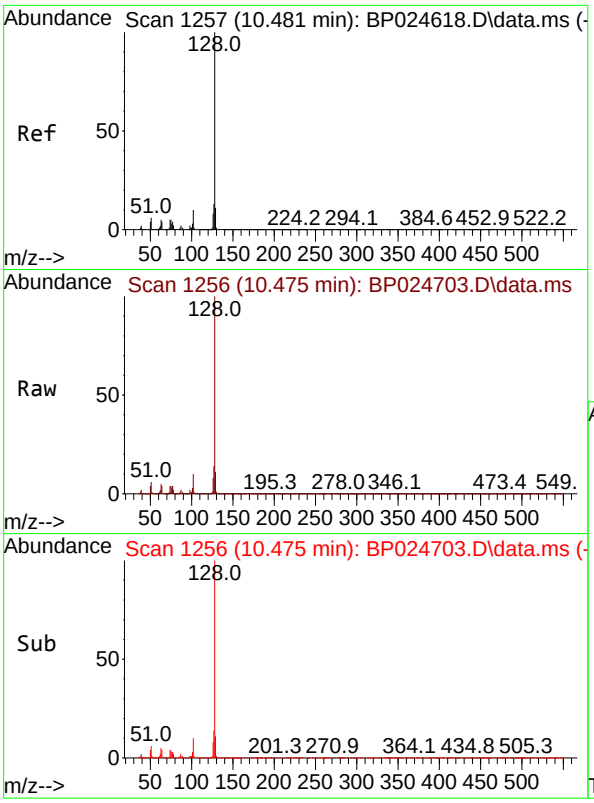


#30
1,2,4-Trichlorobenzene
Concen: 39.761 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:180 Resp: 329782

Ion	Ratio	Lower	Upper
180	100		
182	93.1	79.0	118.4
145	32.3	26.6	39.8



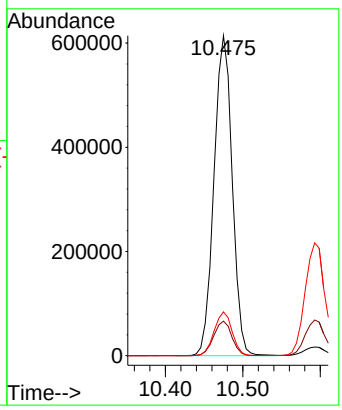


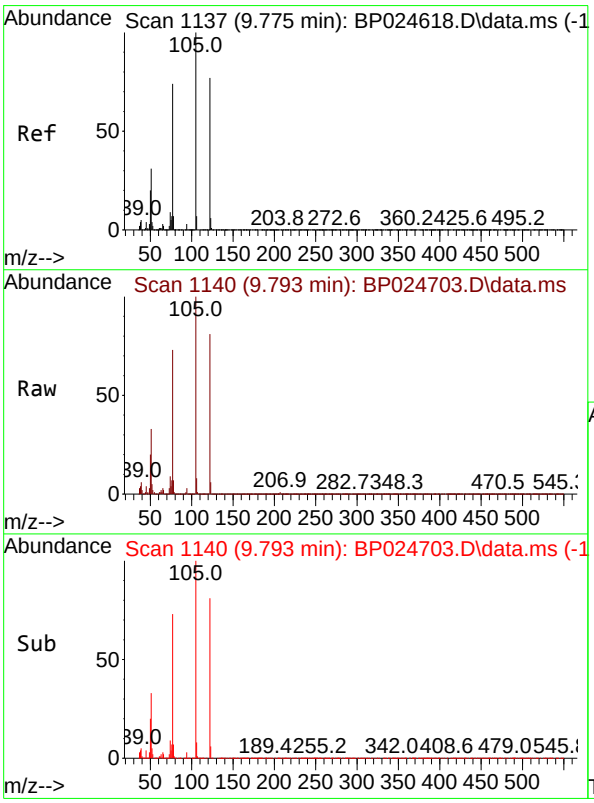
#31
Naphthalene
Concen: 38.402 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1004479

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.7	10.7	16.1

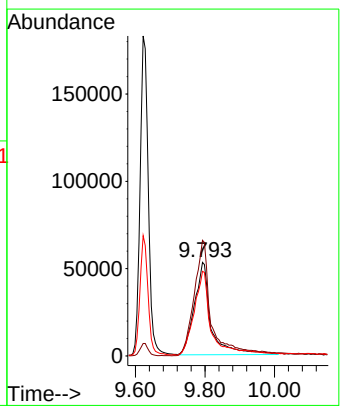


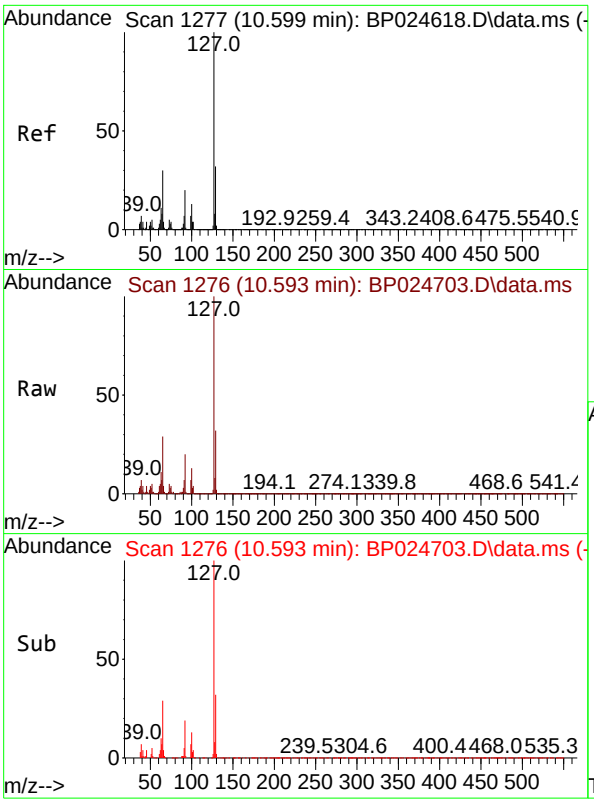


#32
Benzoic acid
Concen: 35.775 ng
RT: 9.793 min Scan# 1140
Delta R.T. 0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:122 Resp: 177252

Ion	Ratio	Lower	Upper
122	100		
105	123.6	106.9	146.9
77	90.4	75.1	115.1



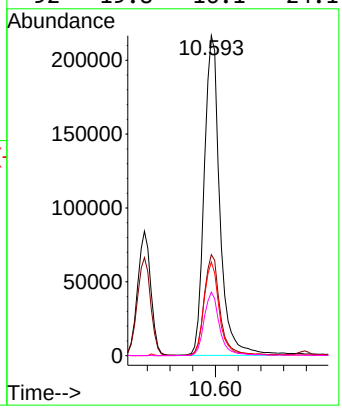


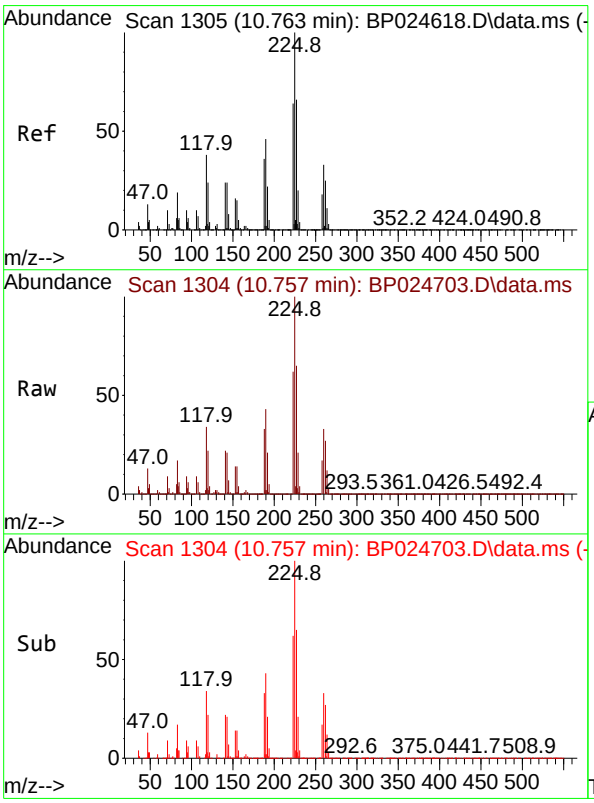
#33
4-Chloroaniline
Concen: 39.100 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 412703

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.6
65	29.3	23.9	35.9
92	19.8	16.1	24.1

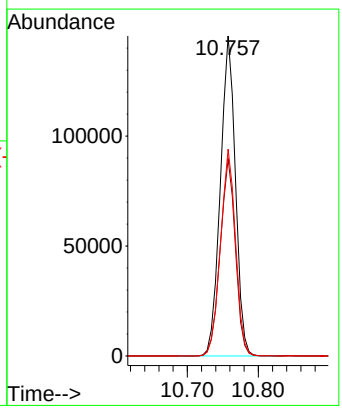


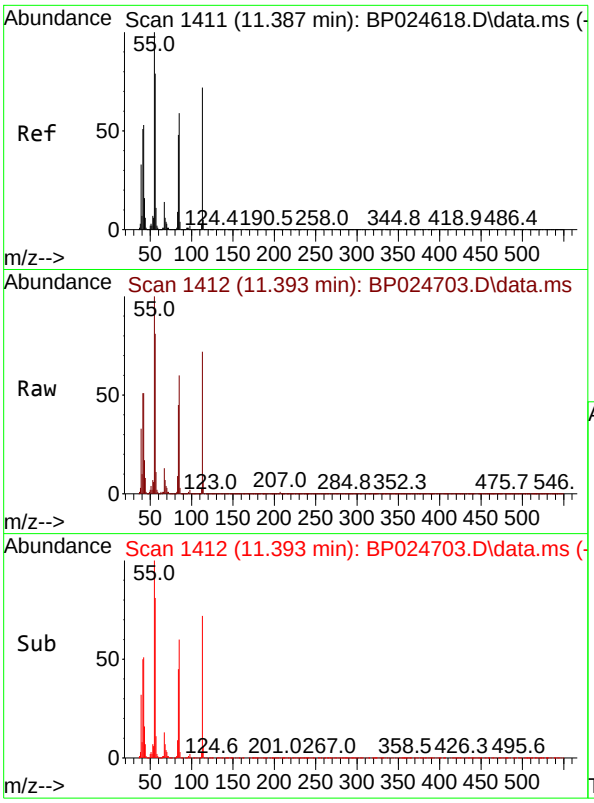


#34
Hexachlorobutadiene
Concen: 39.725 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:225 Resp: 213441

Ion	Ratio	Lower	Upper
225	100		
223	61.6	51.0	76.6
227	64.6	53.1	79.7



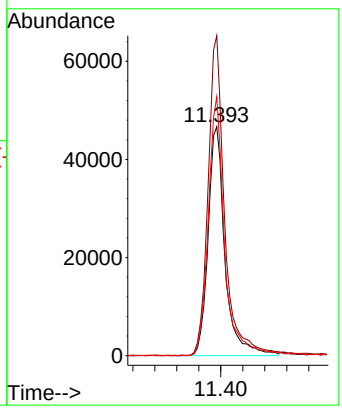


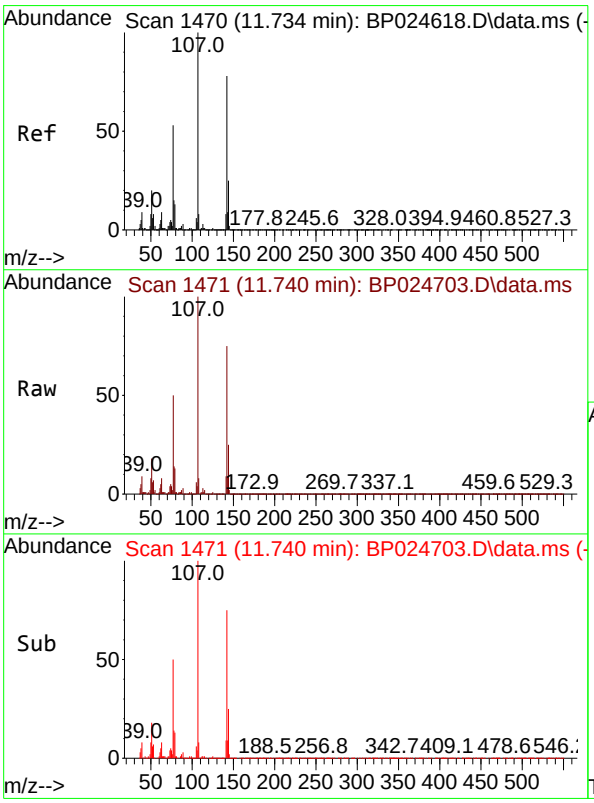
#35
Caprolactam
Concen: 37.303 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 99335

Ion	Ratio	Lower	Upper
113	100		
55	139.7	119.0	159.0
56	113.1	90.3	130.3

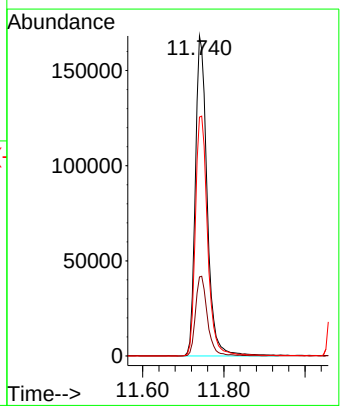


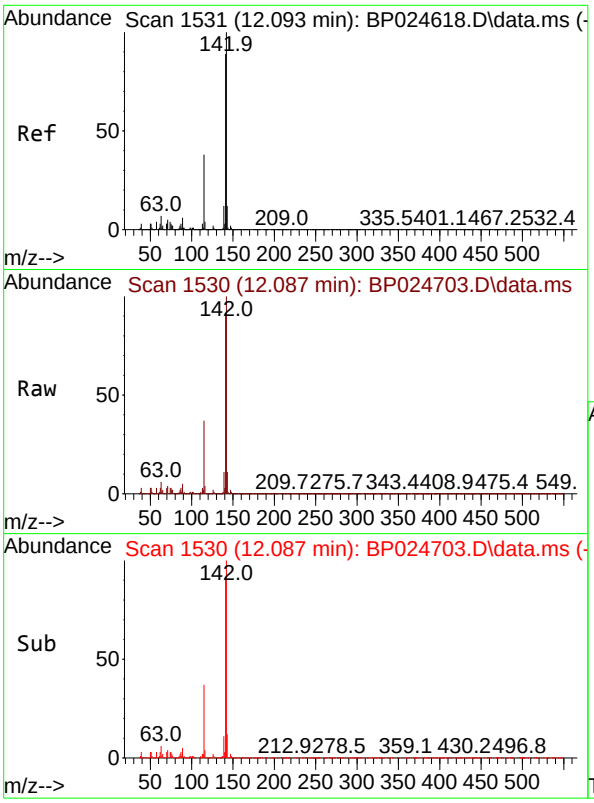


#36
4-Chloro-3-methylphenol
Concen: 37.939 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:107 Resp: 340527

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.1	30.1
142	74.7	62.1	93.1



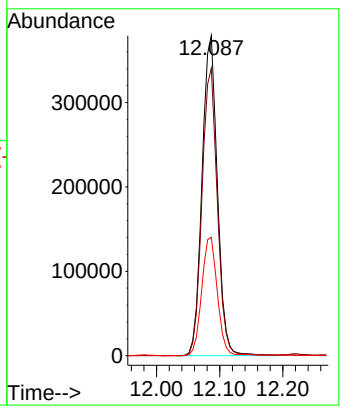


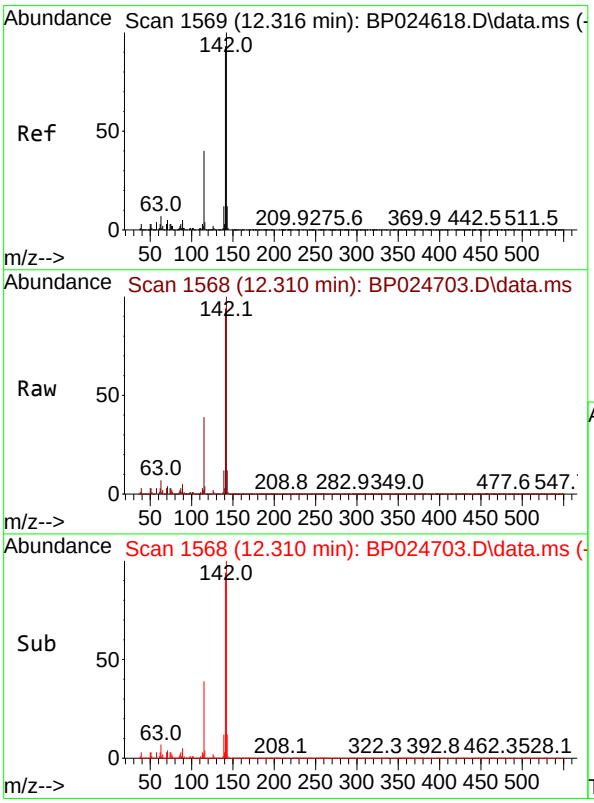
#37
2-Methylnaphthalene
Concen: 37.810 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 640384

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	37.0	30.6	46.0

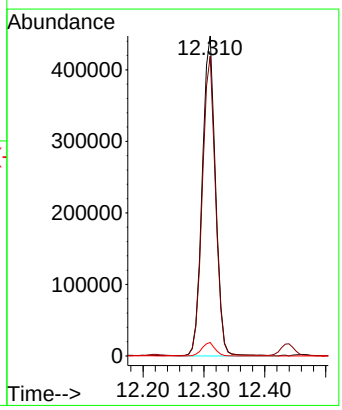


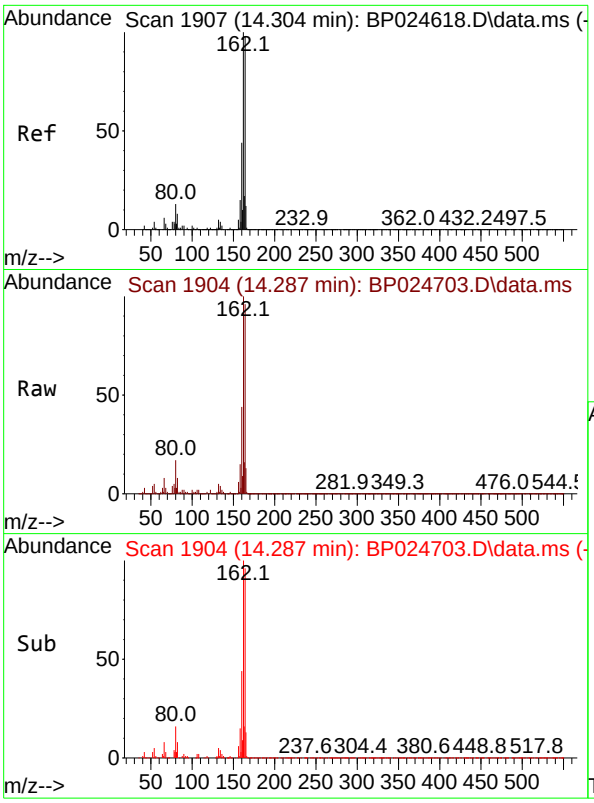


#38
1-Methylnaphthalene
Concen: 37.519 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:142 Resp: 679915

Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	4.2	3.4	5.2



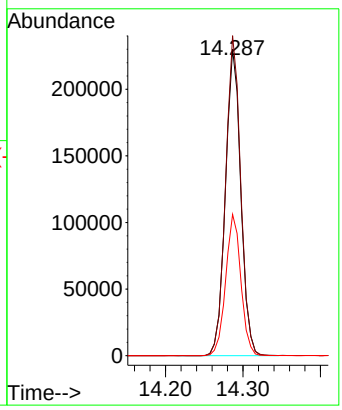


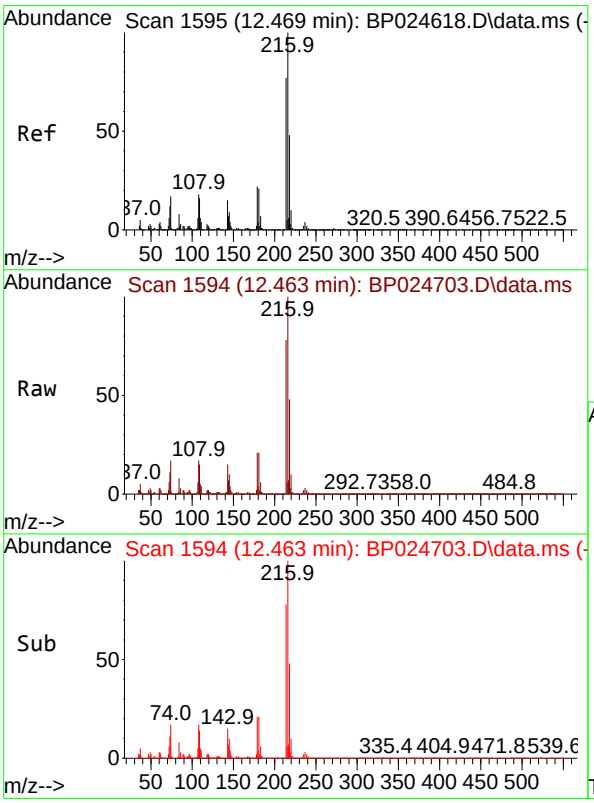
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 316846

Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.8	122.6
160	46.1	36.3	54.5

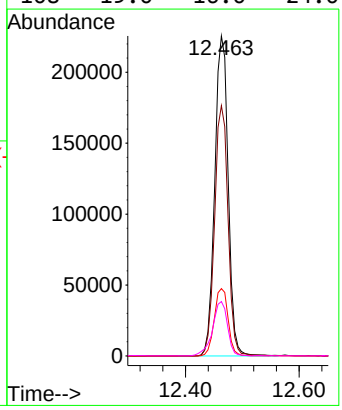


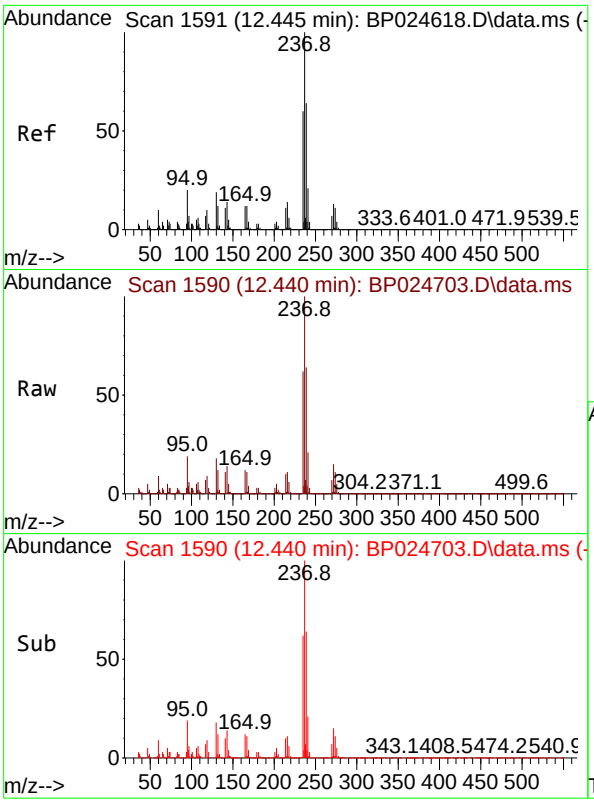


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.169 ng
RT: 12.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:216 Resp: 369584

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	21.7	17.7	26.5
108	19.0	16.0	24.0



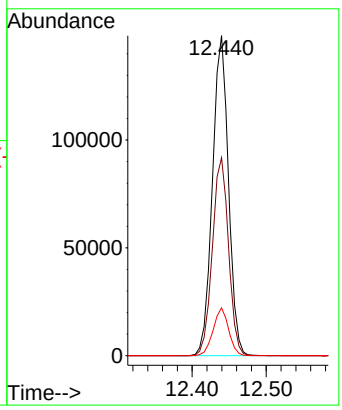


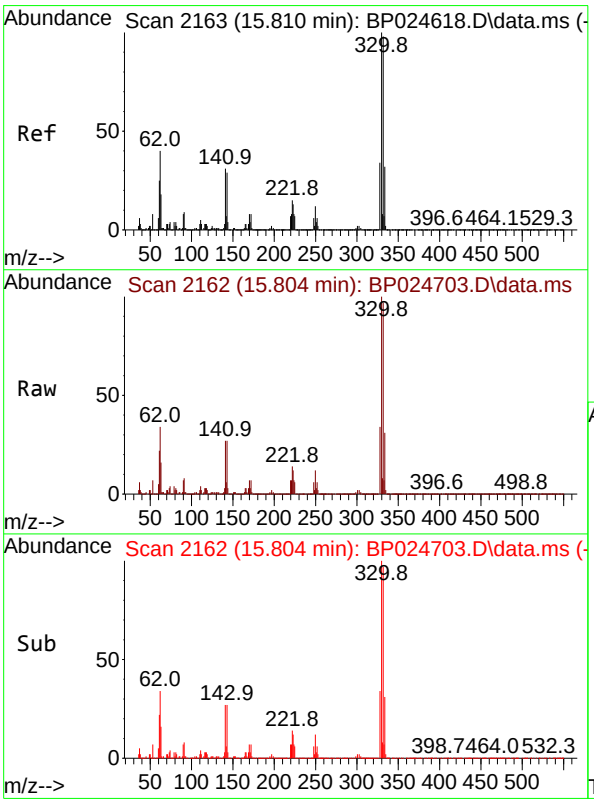
#41
Hexachlorocyclopentadiene
Concen: 39.860 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 222383

Ion	Ratio	Lower	Upper
237	100		
235	61.8	39.9	79.9
272	14.9	0.0	33.2

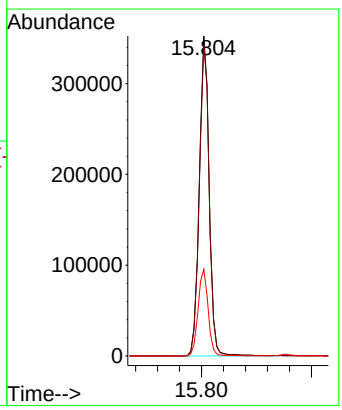


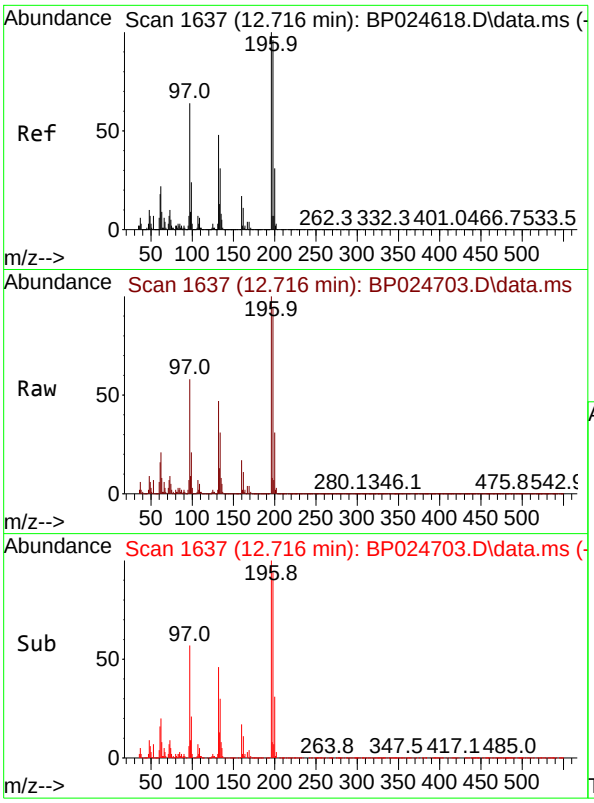


#42
2,4,6-Tribromophenol
Concen: 82.116 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:330 Resp: 441081

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.4
141	27.6	24.3	36.5



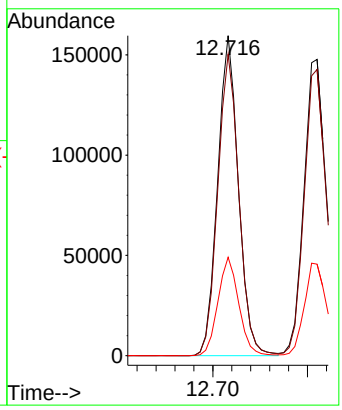


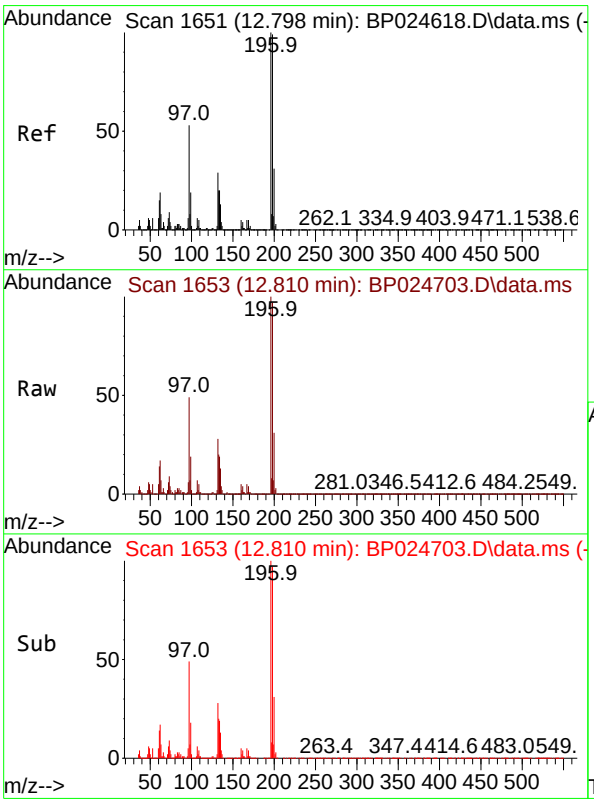
#43
2,4,6-Trichlorophenol
Concen: 40.826 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 243302

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.9	115.3
200	30.8	25.2	37.8

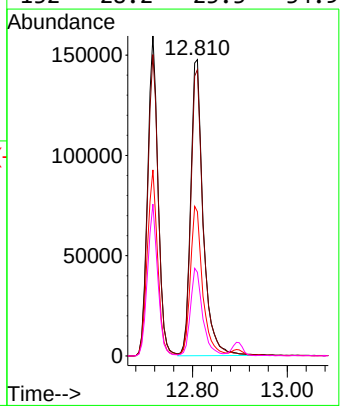


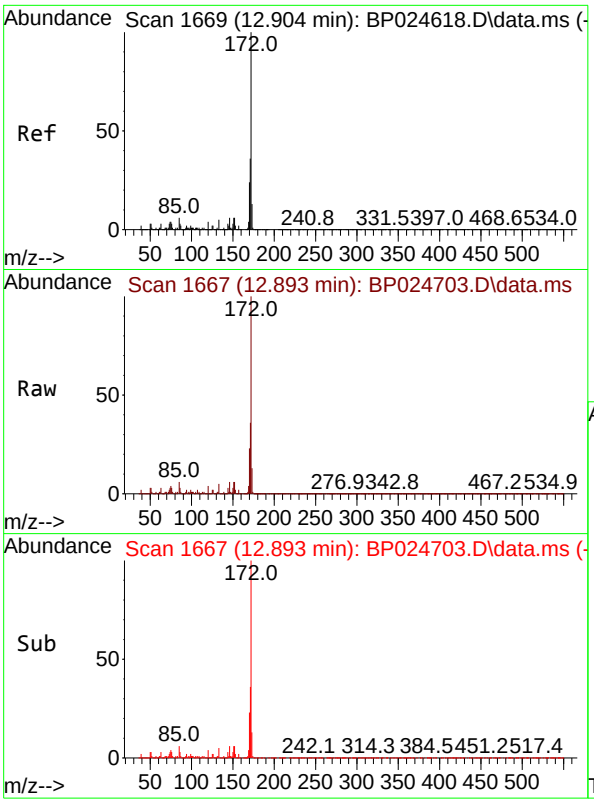


#44
2,4,5-Trichlorophenol
Concen: 40.832 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:196 Resp: 270865

Ion	Ratio	Lower	Upper
196	100		
198	96.6	79.2	118.8
97	48.7	42.3	63.5
132	28.2	23.3	34.9



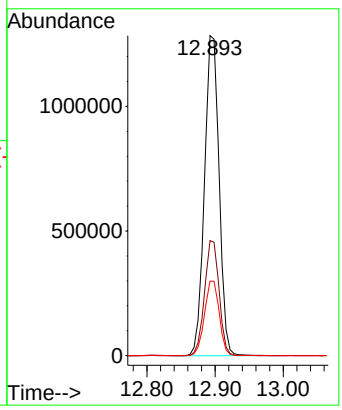


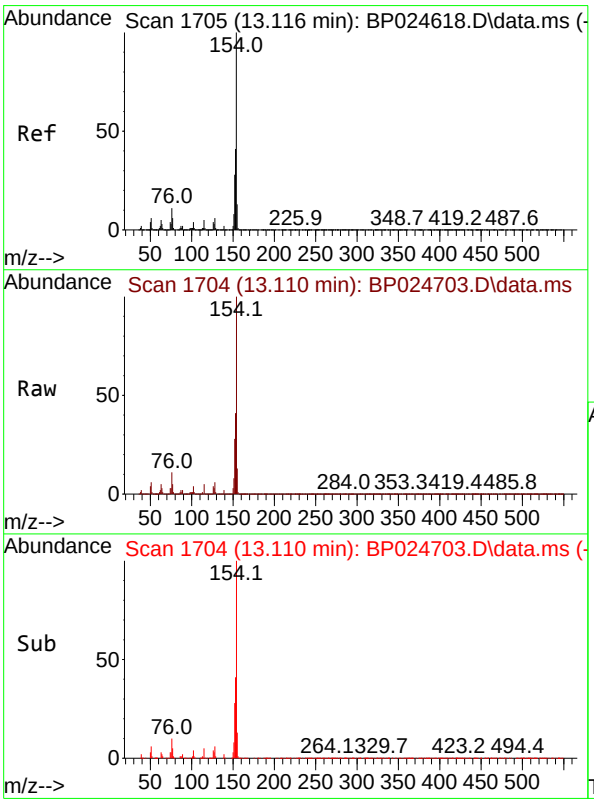
#45
2-Fluorobiphenyl
Concen: 79.243 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1916443

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.3	18.8	28.2

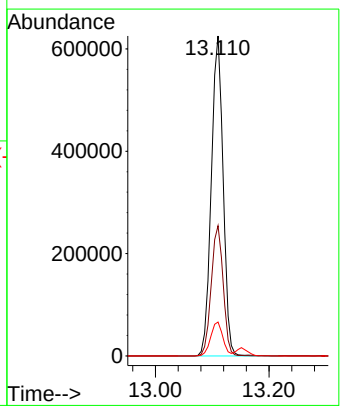


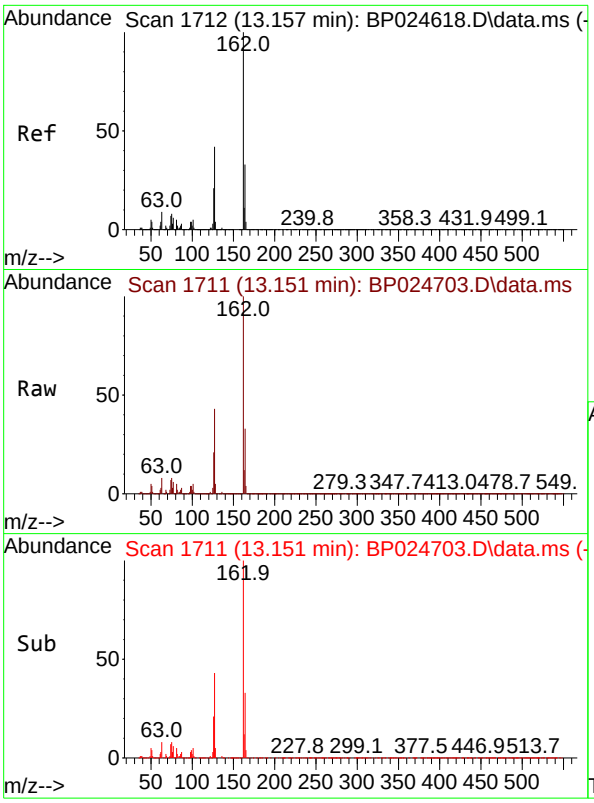


#46
1,1'-Biphenyl
Concen: 38.417 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:154 Resp: 899673

Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.0	61.0
76	10.6	0.0	31.5



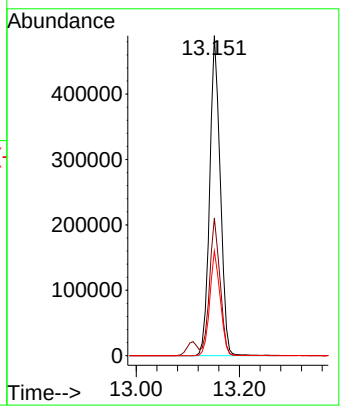


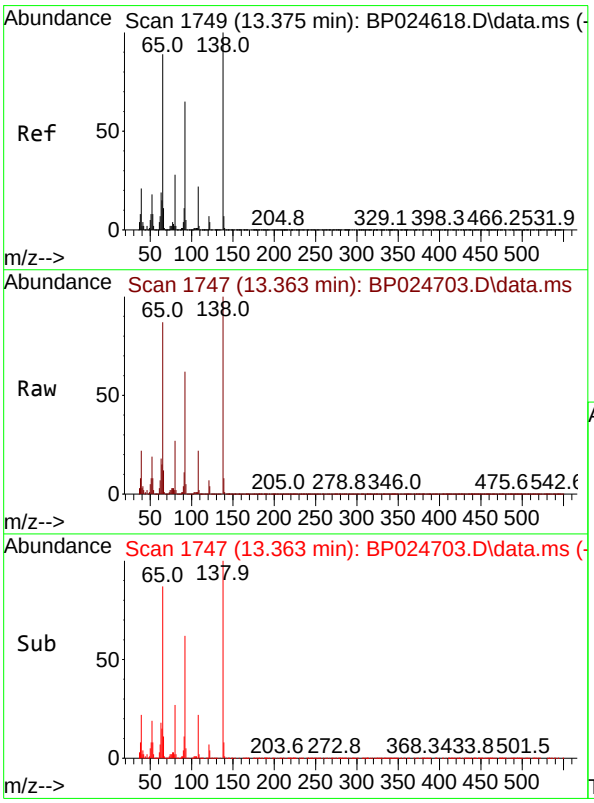
#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 695128

Ion	Ratio	Lower	Upper
162	100		
127	43.0	33.8	50.6
164	32.7	26.0	39.0

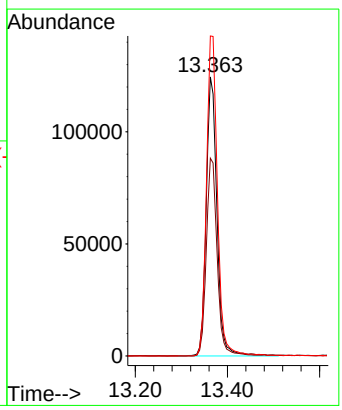


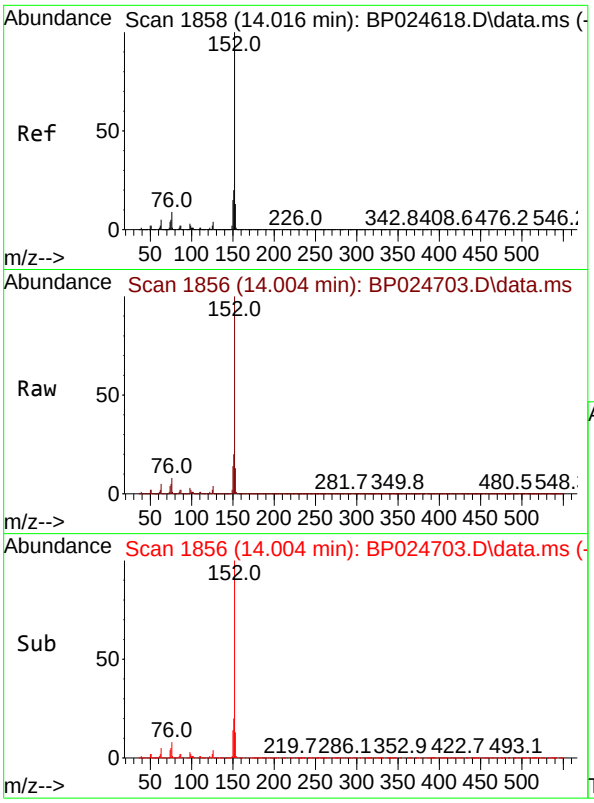


#48
2-Nitroaniline
Concen: 38.400 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 65 Resp: 203001

Ion	Ratio	Lower	Upper
65	100		
92	70.9	58.7	88.1
138	114.6	90.2	135.2



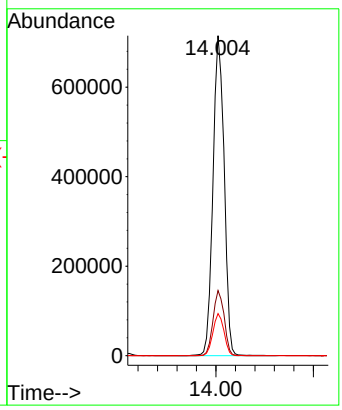


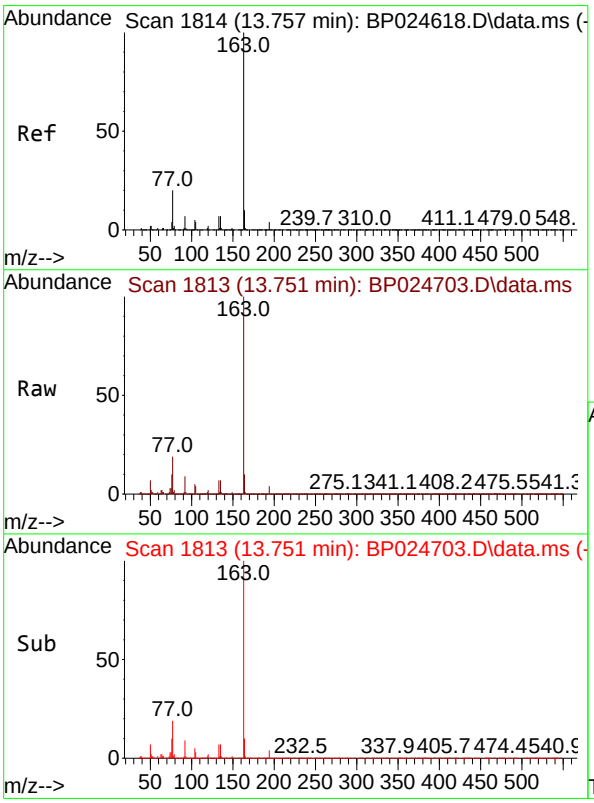
#49
Acenaphthylene
Concen: 38.009 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1135762

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	13.1	10.2	15.4

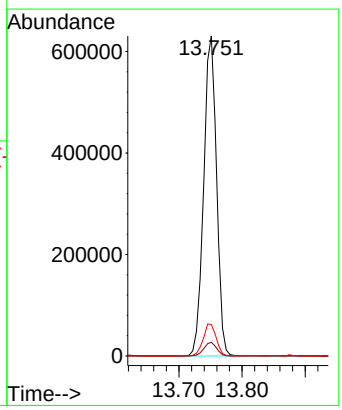


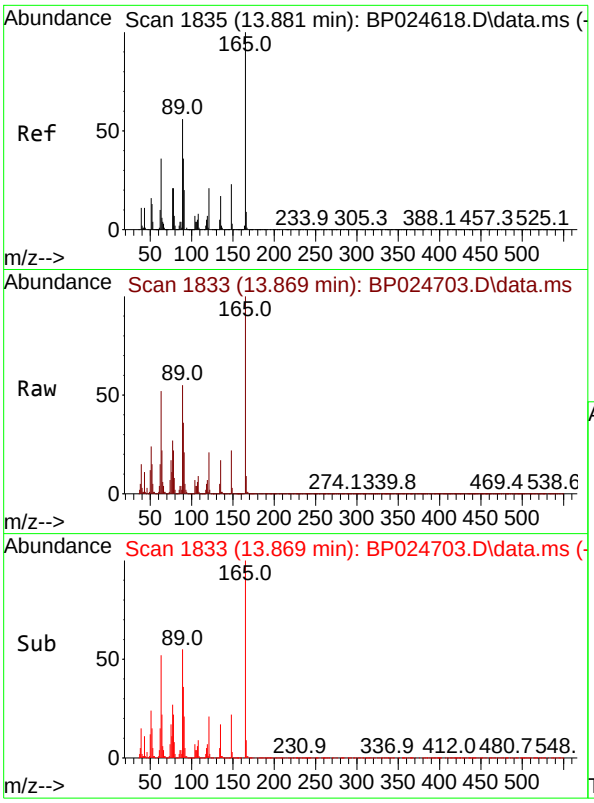


#50
Dimethylphthalate
Concen: 37.061 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:163 Resp: 895032

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	8.1	12.1



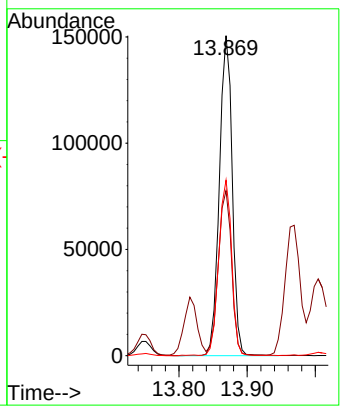


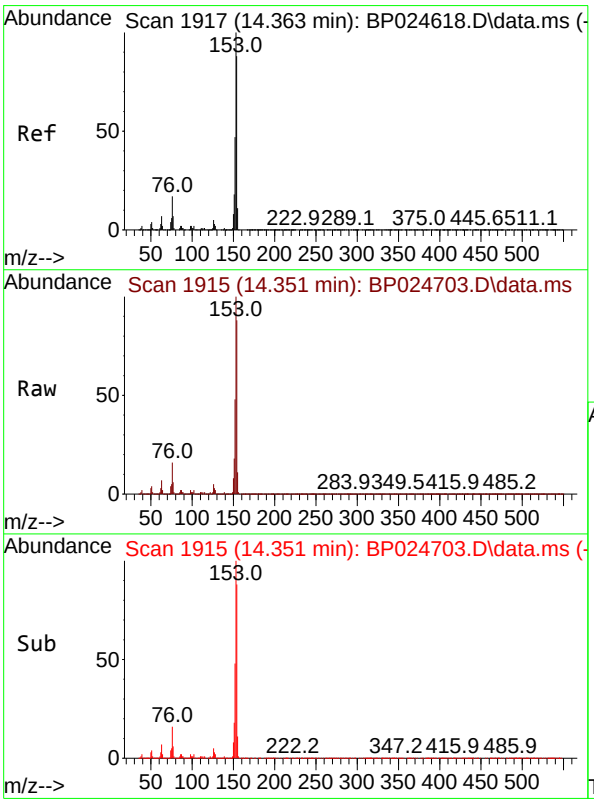
#51
2,6-Dinitrotoluene
Concen: 38.712 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 197446

Ion	Ratio	Lower	Upper
165	100		
63	51.6	42.4	63.6
89	54.8	44.8	67.2

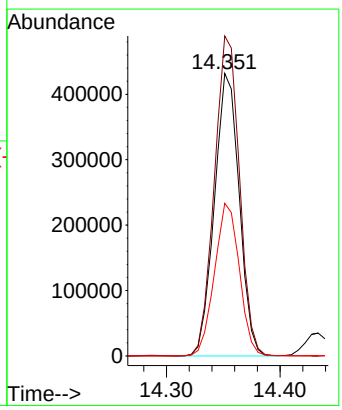


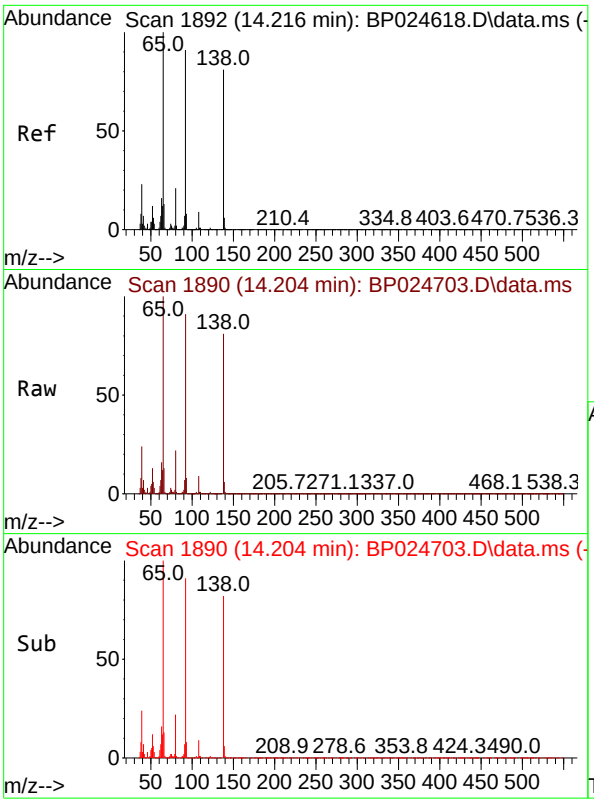


#52
Acenaphthene
Concen: 38.193 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:154 Resp: 656098

Ion	Ratio	Lower	Upper
154	100		
153	113.3	91.0	136.4
152	54.0	42.9	64.3



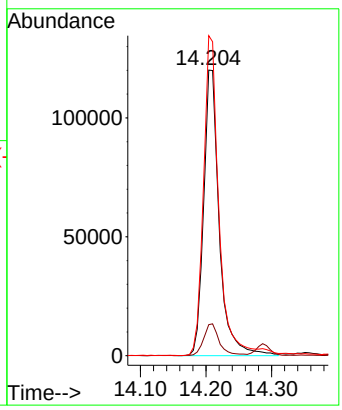


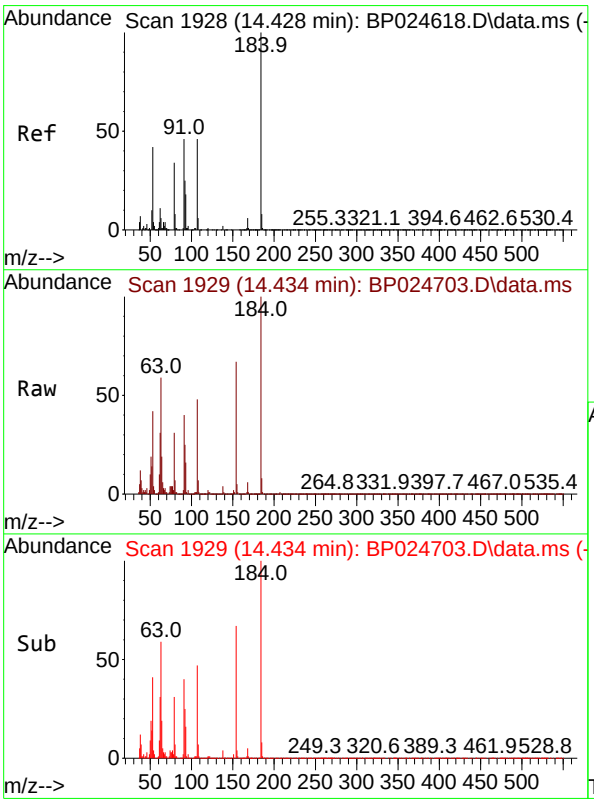
#53
3-Nitroaniline
Concen: 38.296 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 199441

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.4
92	112.0	90.1	135.1

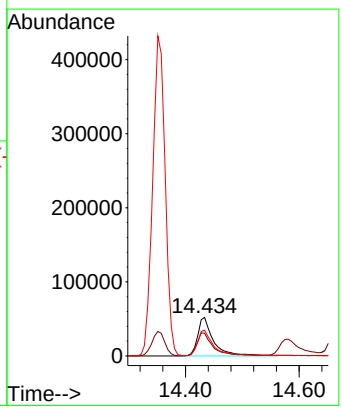


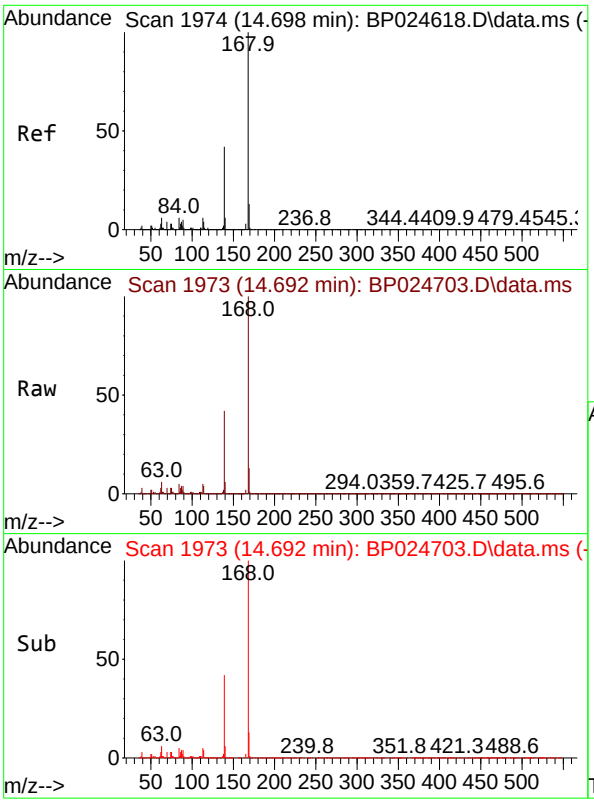


#54
2,4-Dinitrophenol
Concen: 35.323 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:184 Resp: 101110

Ion	Ratio	Lower	Upper
184	100		
63	59.1	51.3	76.9
154	67.1	53.5	80.3



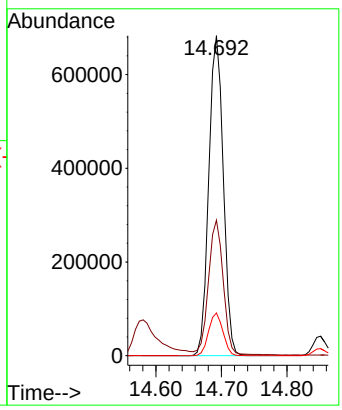


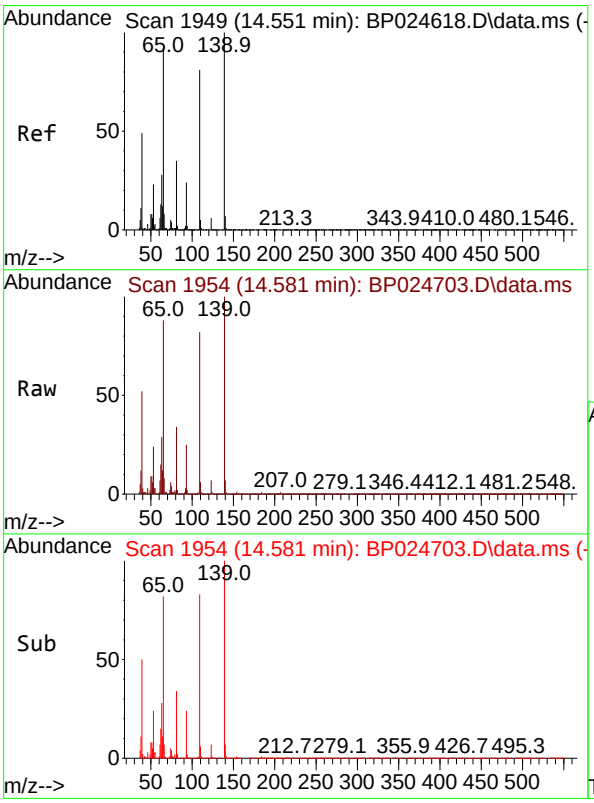
#55
Dibenzofuran
Concen: 38.252 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1048113

Ion	Ratio	Lower	Upper
168	100		
139	42.3	34.2	51.4
169	13.4	10.8	16.2

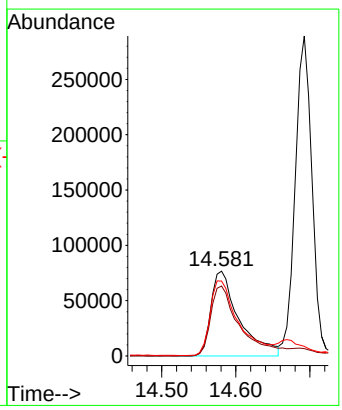


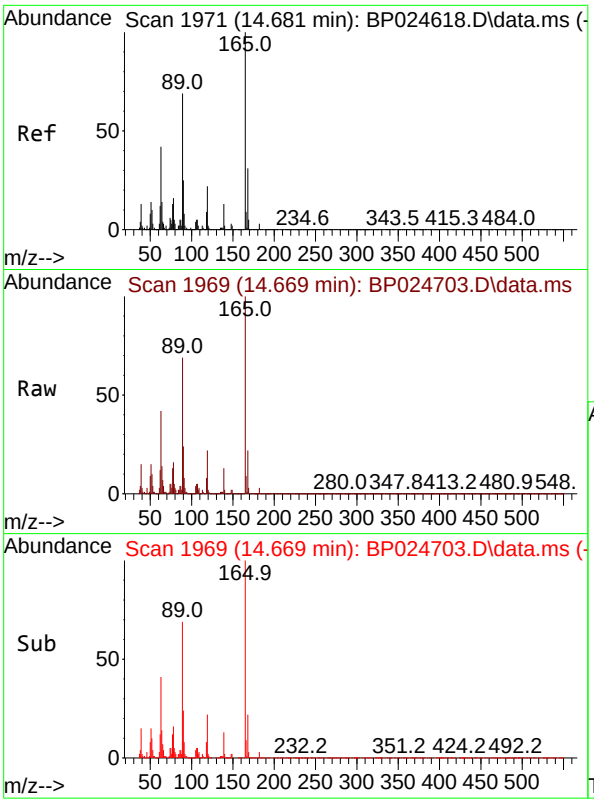


#56
4-Nitrophenol
Concen: 46.802 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.030 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:139 Resp: 202652

Ion	Ratio	Lower	Upper
139	100		
109	82.4	61.4	101.4
65	88.3	72.2	112.2



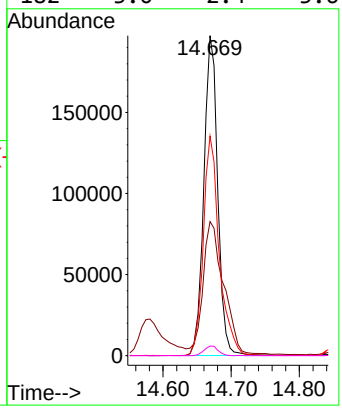


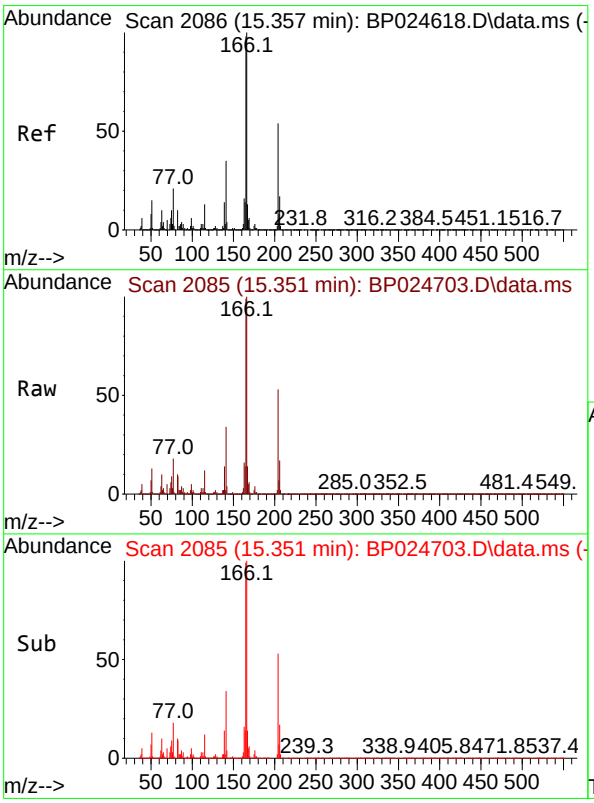
#57
2,4-Dinitrotoluene
Concen: 38.874 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 279529

Ion	Ratio	Lower	Upper
165	100		
63	41.9	33.8	50.6
89	68.6	55.6	83.4
182	3.0	2.4	3.6

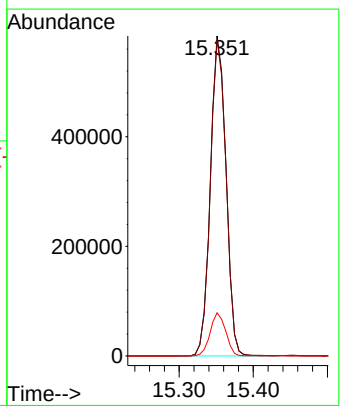


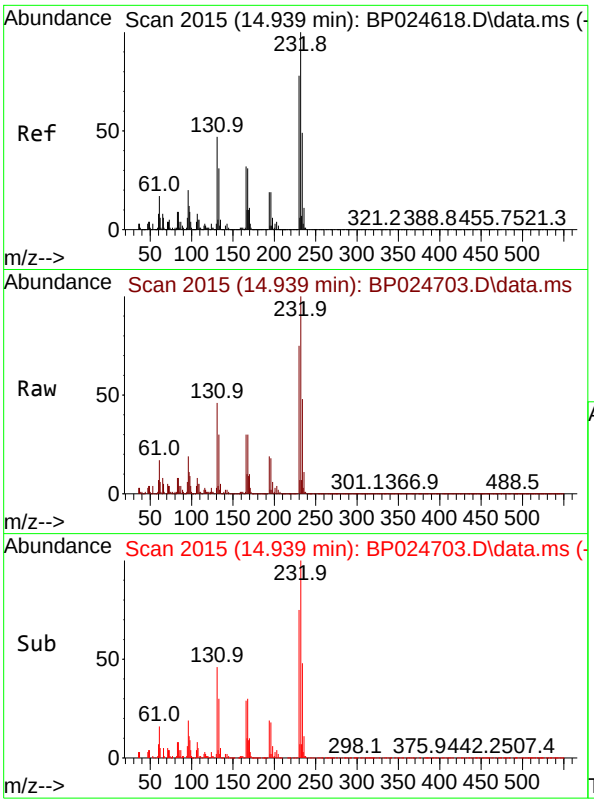


#58
Fluorene
Concen: 38.395 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:166 Resp: 857836

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.5	10.7	16.1



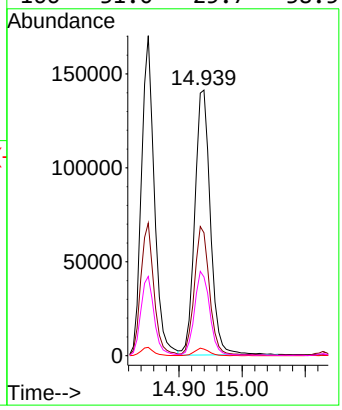


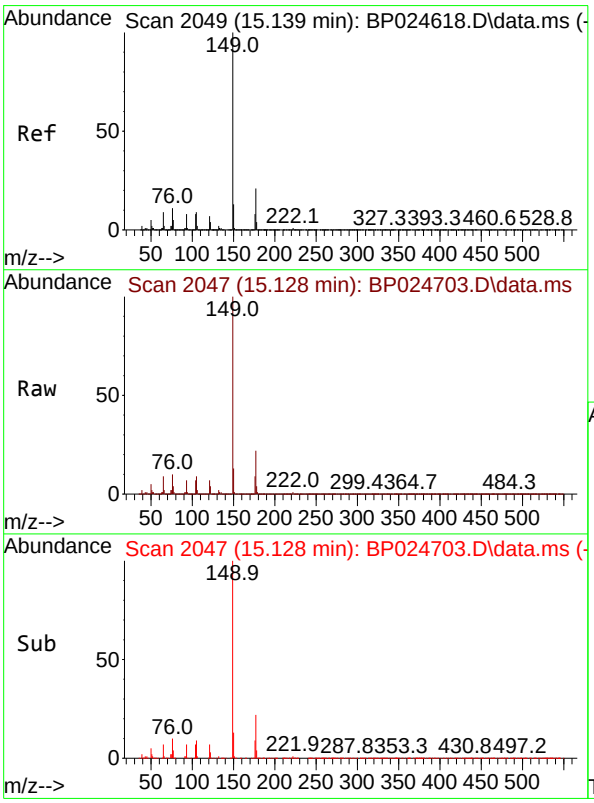
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.256 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 241572

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.5	59.3
130	2.7	2.2	3.4
166	31.0	25.7	38.5

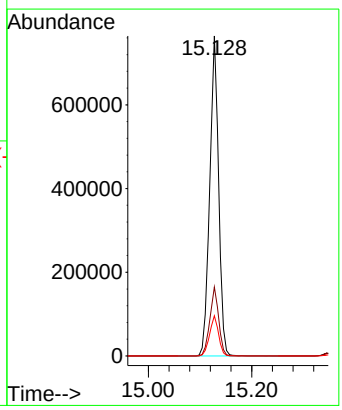


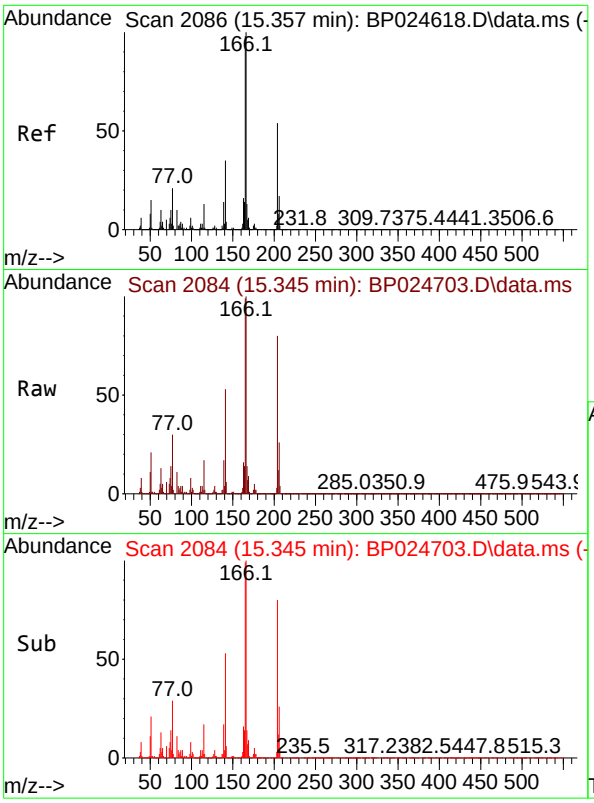


#60
Diethylphthalate
Concen: 37.342 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 911477

Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.7	25.1
150	12.5	10.2	15.2



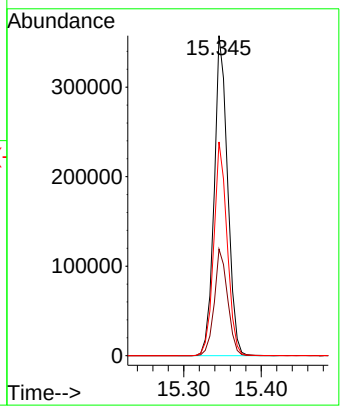


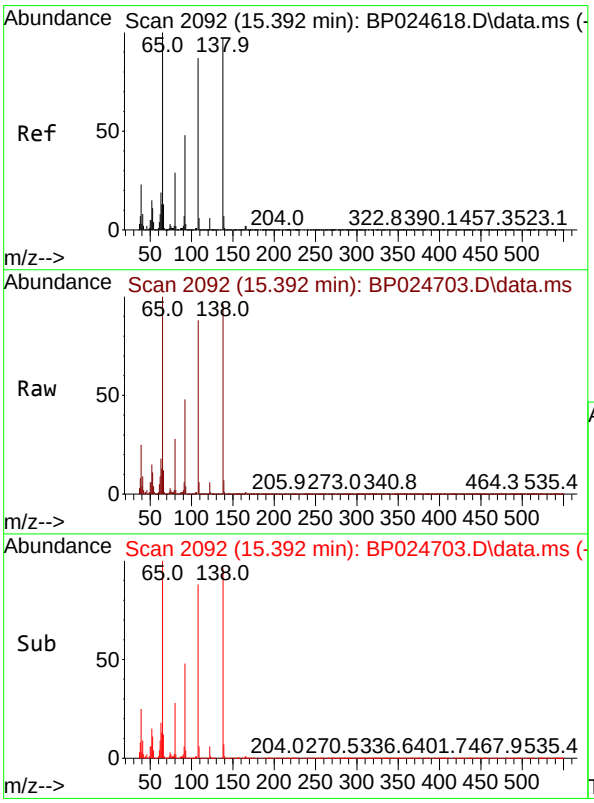
#61
4-Chlorophenyl-phenylether
Concen: 38.622 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 430331

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.0	39.0
141	66.8	52.9	79.3

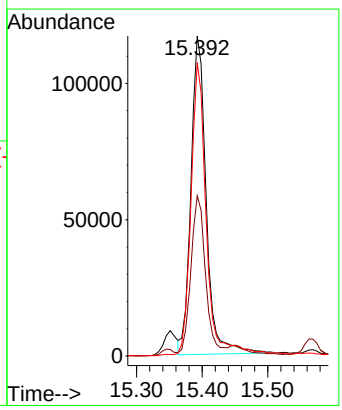


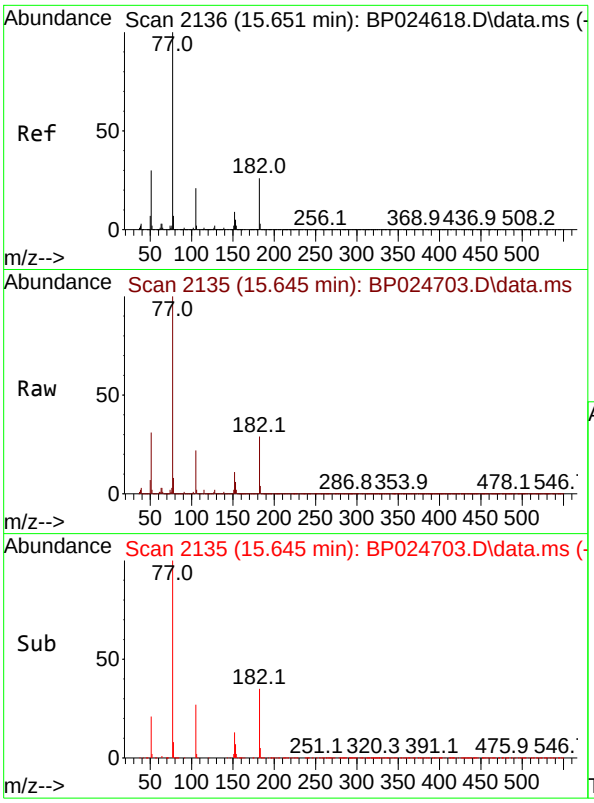


#62
4-Nitroaniline
Concen: 37.633 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:138 Resp: 189242

Ion	Ratio	Lower	Upper
138	100		
92	50.1	29.2	69.2
108	91.6	69.0	109.0



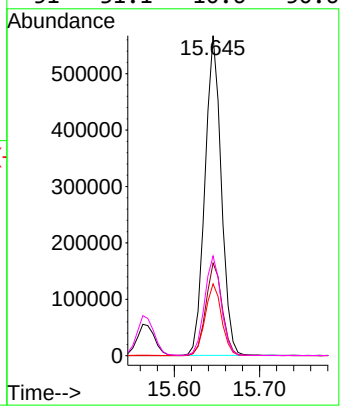


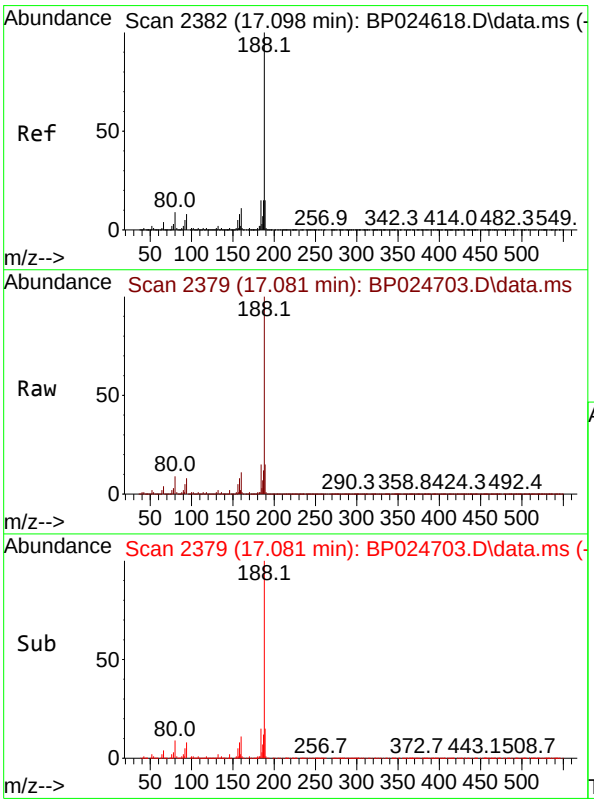
#63
Azobenzene
Concen: 36.055 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 752861

Ion	Ratio	Lower	Upper
77	100		
182	29.0	5.7	45.7
105	22.4	1.3	41.3
51	31.1	10.6	50.6

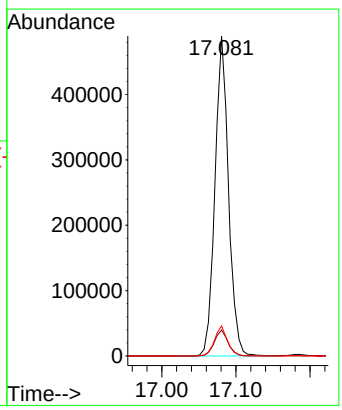


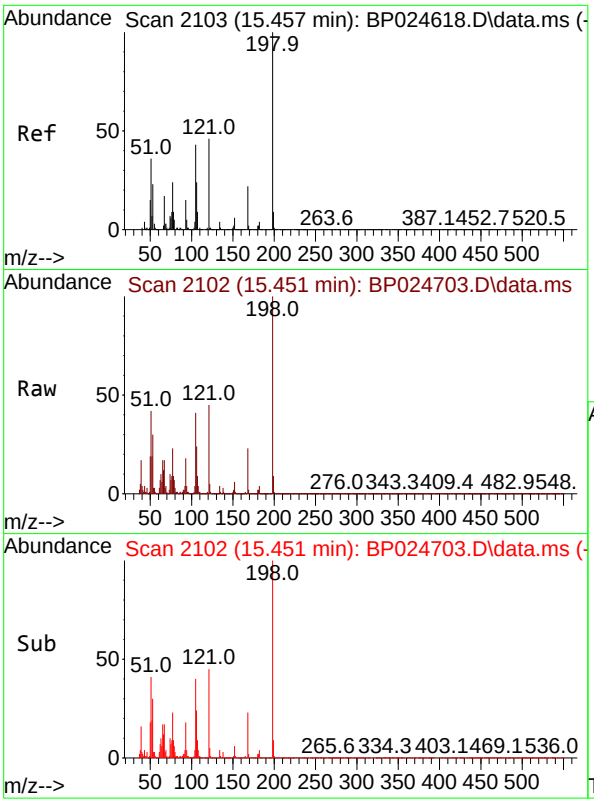


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:188 Resp: 620396

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	9.4	7.3	10.9



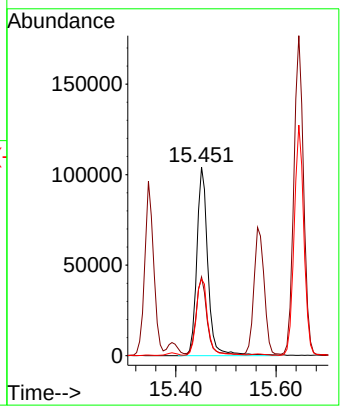


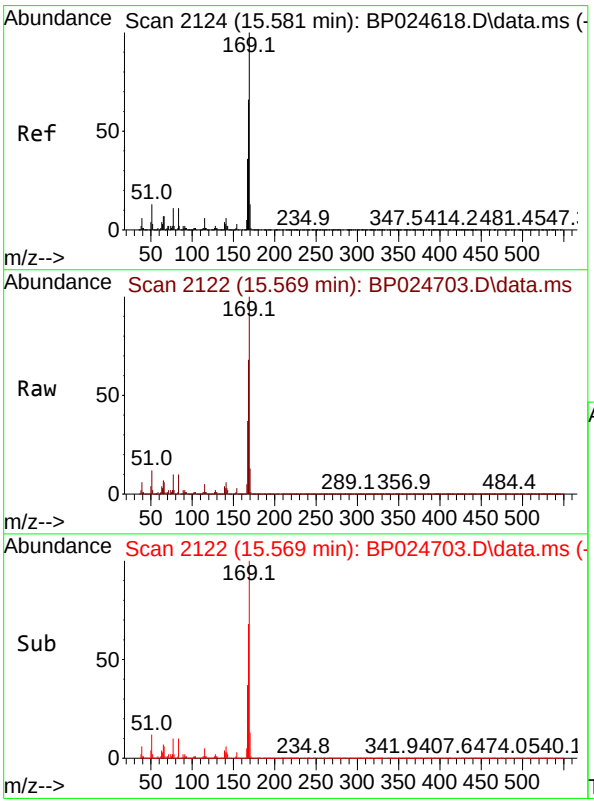
#65
4,6-Dinitro-2-methylphenol
Concen: 39.652 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 158899

Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.1	61.1
105	40.6	23.6	63.6

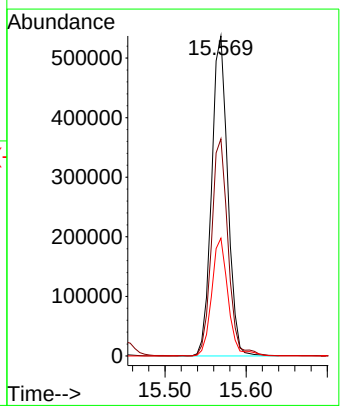


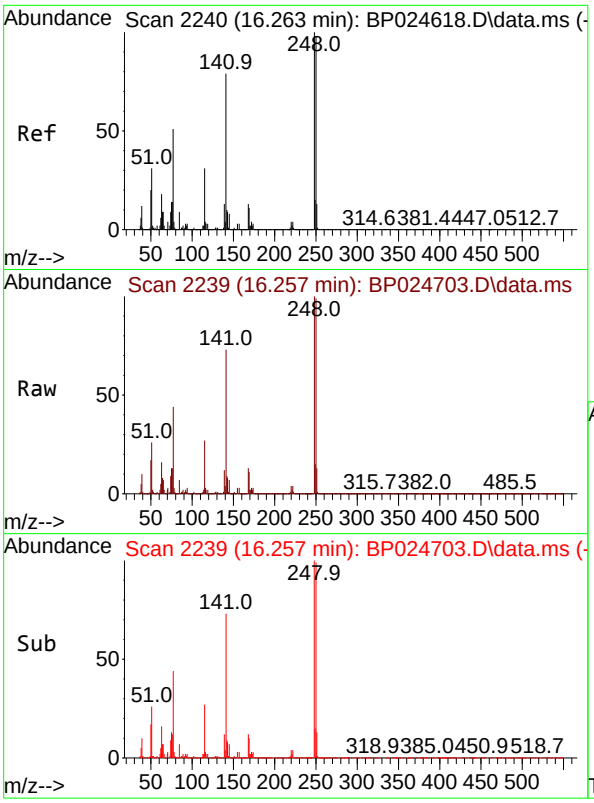


#66
n-Nitrosodiphenylamine
Concen: 38.839 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:169 Resp: 740115

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.2	79.8
167	36.8	28.6	43.0



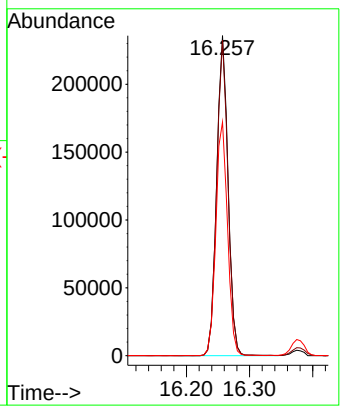


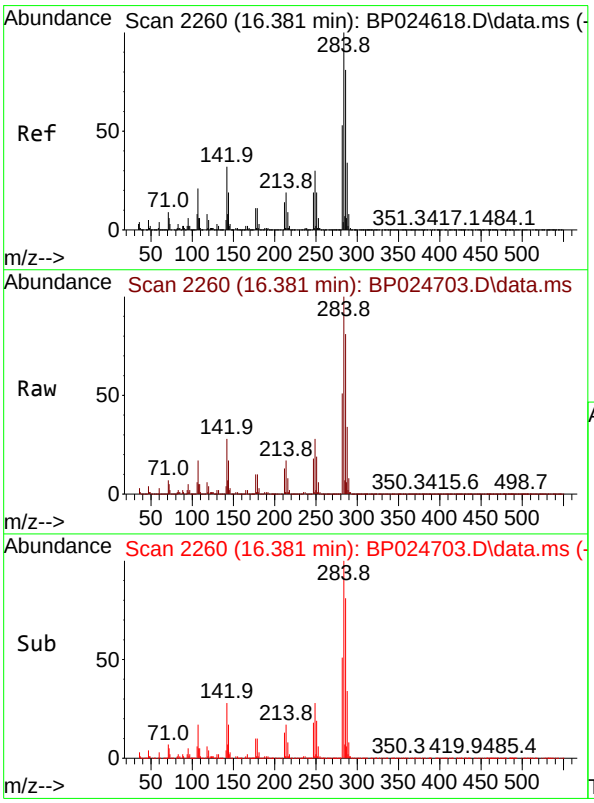
#67
4-Bromophenyl-phenylether
Concen: 40.410 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 295412

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.2	117.4
141	73.0	63.0	94.6

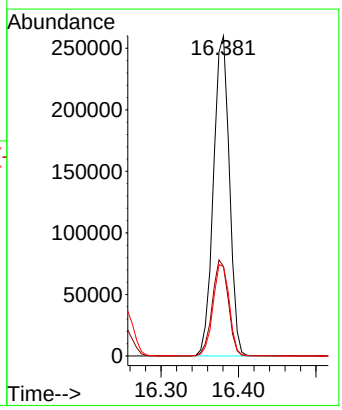


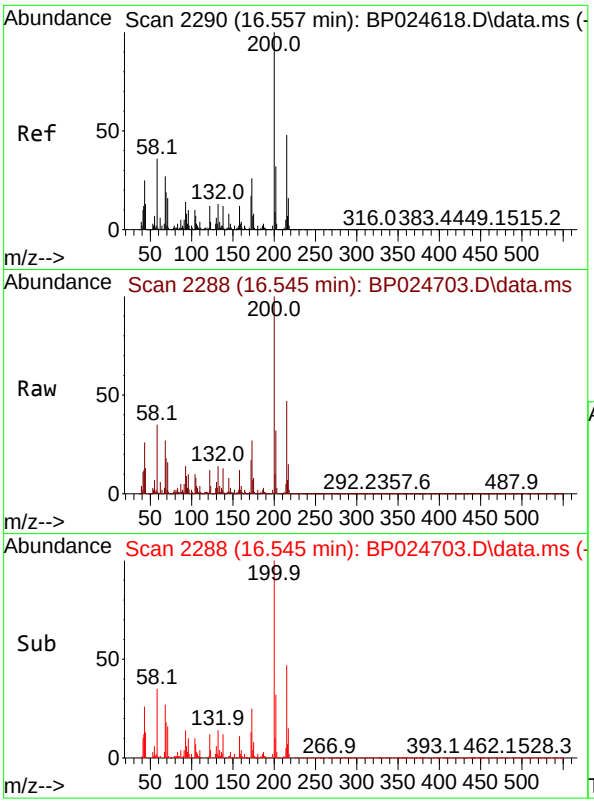


#68
Hexachlorobenzene
Concen: 39.938 ng
RT: 16.381 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:284 Resp: 370994

Ion	Ratio	Lower	Upper
284	100		
142	28.0	25.9	38.9
249	28.0	24.1	36.1



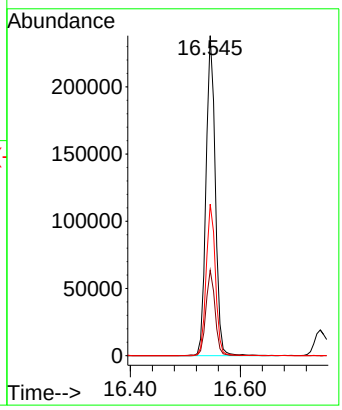


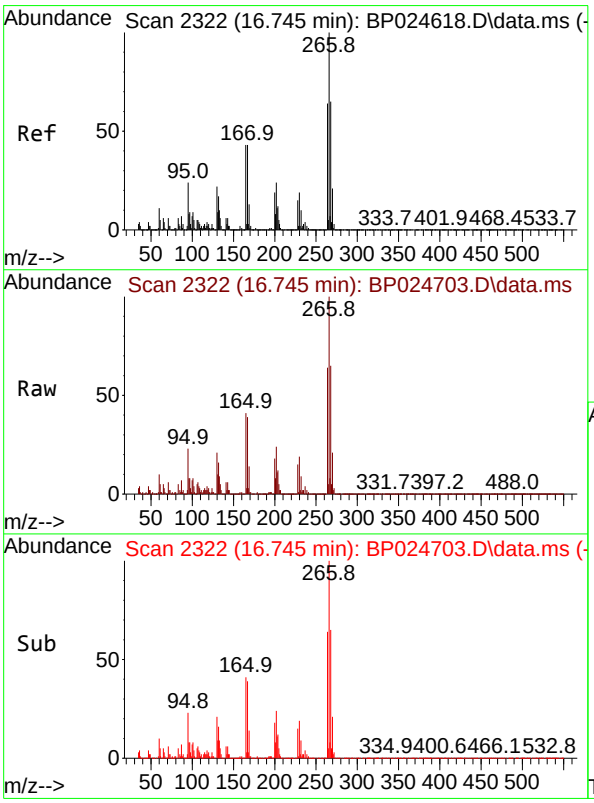
#69
Atrazine
Concen: 39.750 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 277598

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	47.3	28.3	68.3

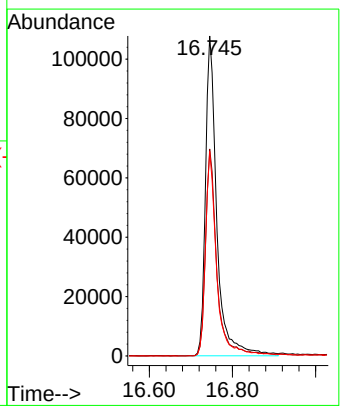


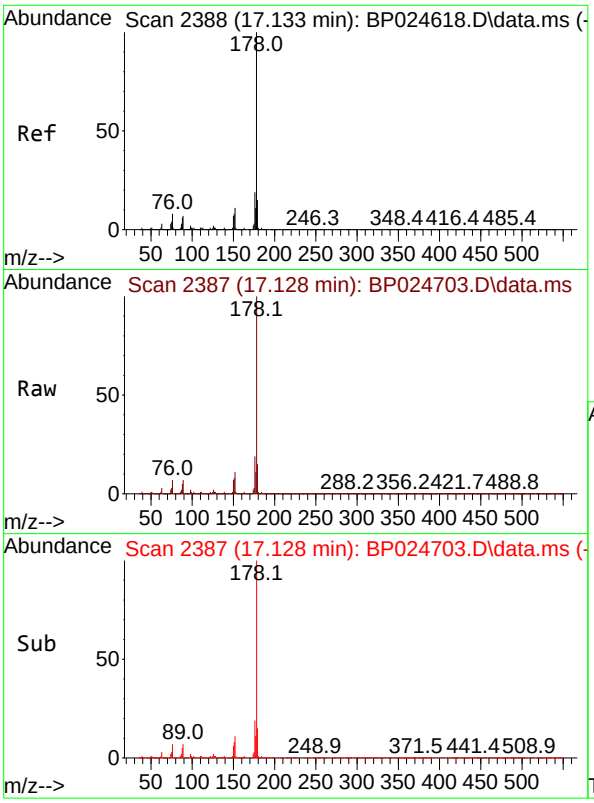


#70
Pentachlorophenol
Concen: 39.278 ng
RT: 16.745 min Scan# 2322
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:266 Resp: 204812

Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.2	78.4
264	63.9	51.1	76.7



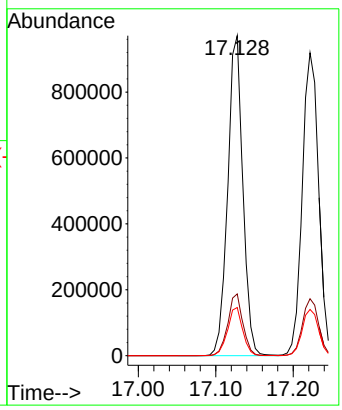


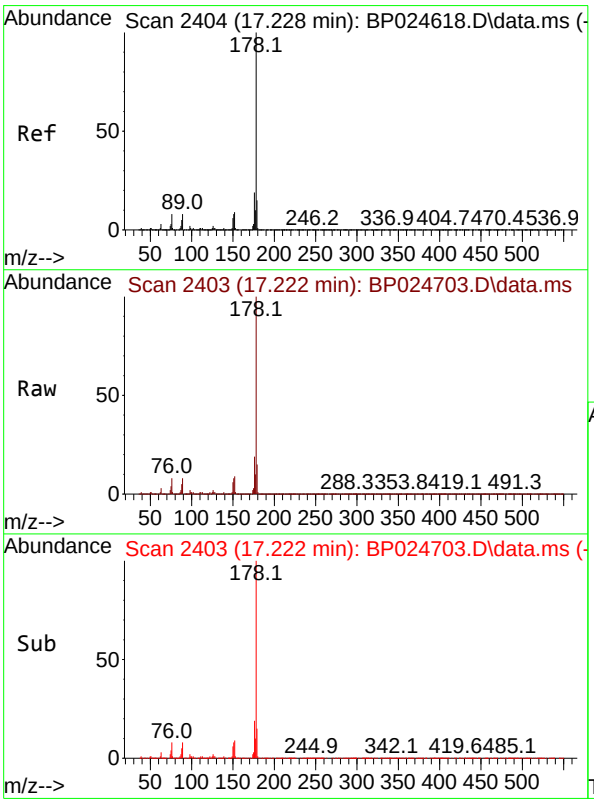
#71
Phenanthrene
Concen: 38.323 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1321707

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.0	12.2	18.4

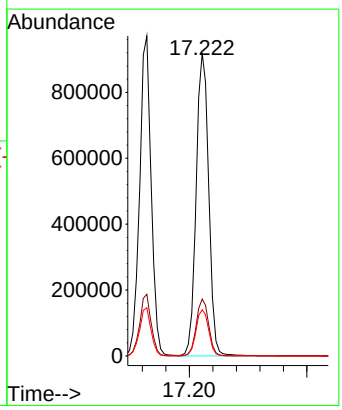


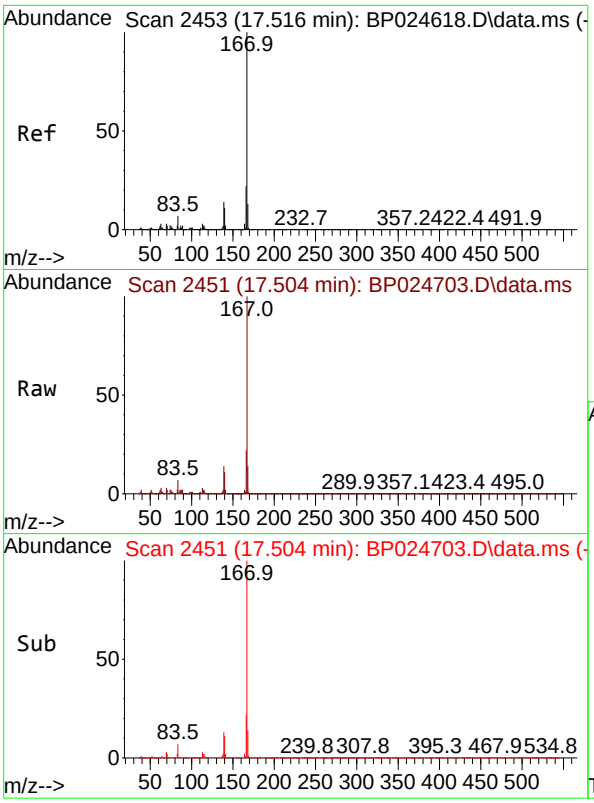


#72
Anthracene
Concen: 39.076 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:178 Resp: 1355916

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.2	18.2



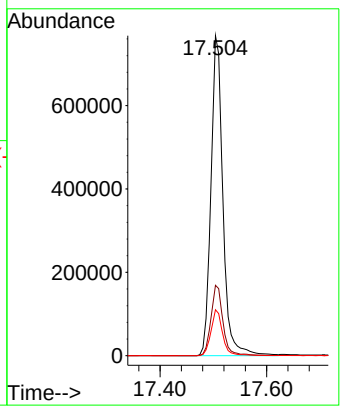


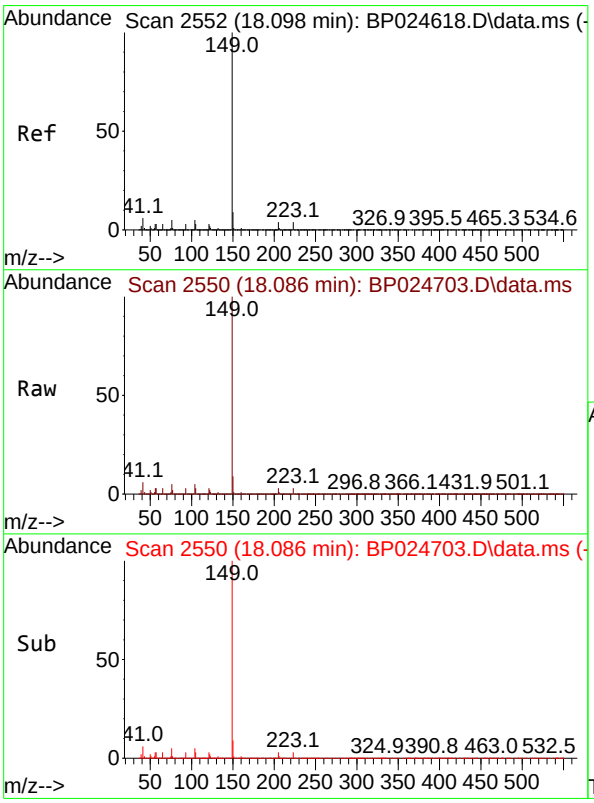
#73
Carbazole
Concen: 38.152 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1198207

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	14.4	11.3	16.9

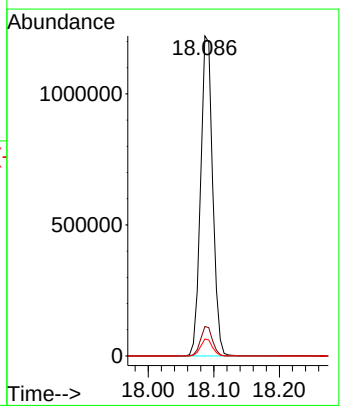


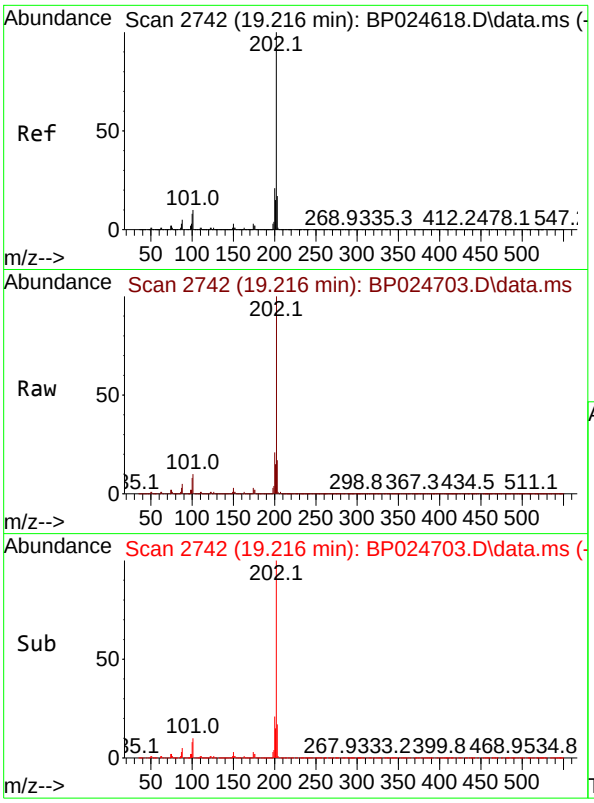


#74
Di-n-butylphthalate
Concen: 38.795 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 1566966

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.3	4.3	6.5



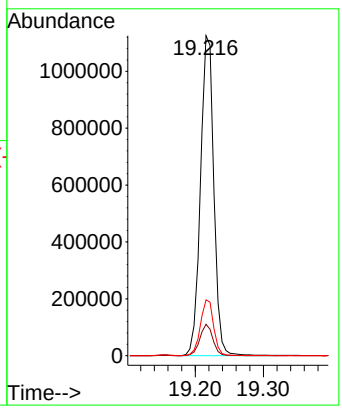


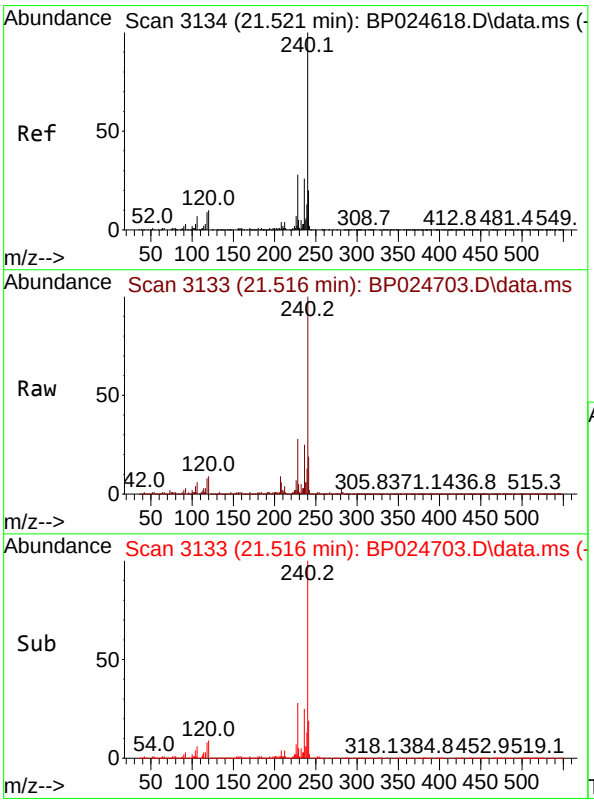
#75
Fluoranthene
Concen: 37.992 ng
RT: 19.216 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1531668

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.3
203	17.5	0.0	37.5

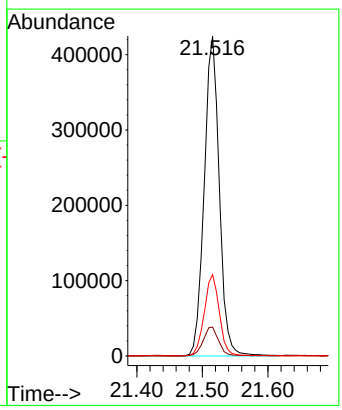


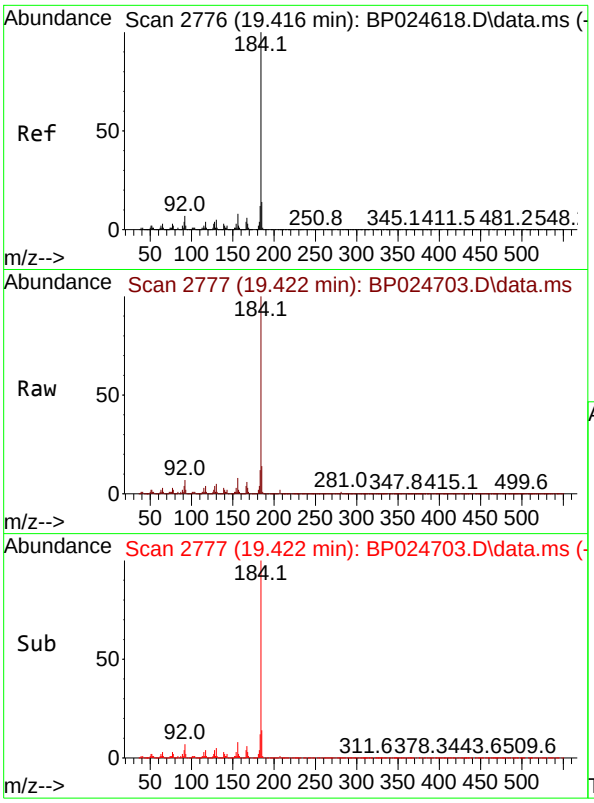


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:240 Resp: 679929

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	25.4	20.6	31.0



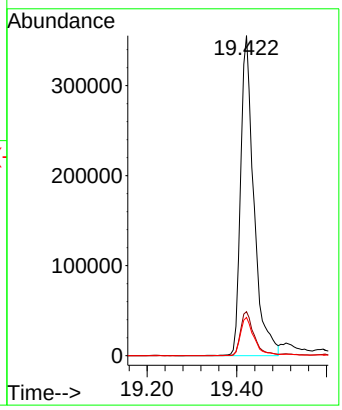


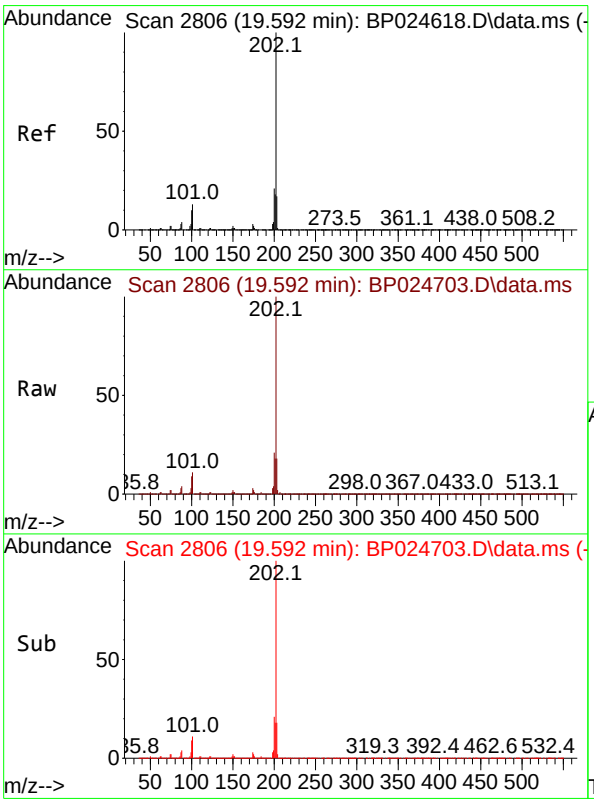
#77
Benzidine
Concen: 39.203 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 725976

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.2	16.8
183	12.0	9.8	14.8

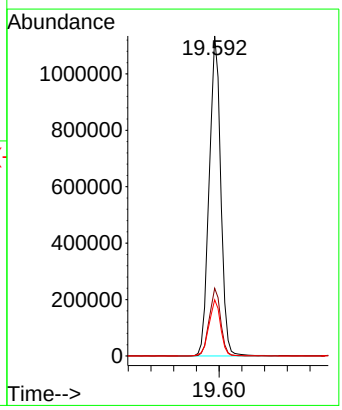


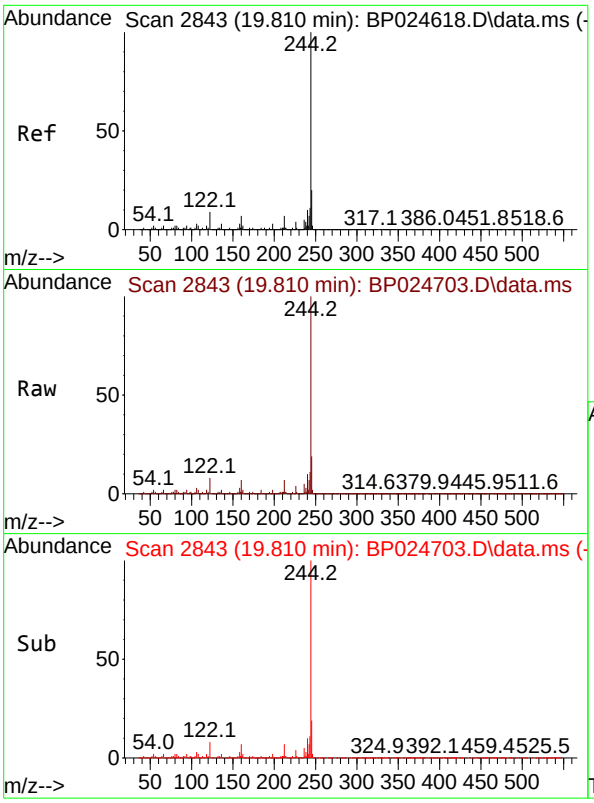


#78
Pyrene
Concen: 39.077 ng
RT: 19.592 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:202 Resp: 1591992

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	13.9	20.9



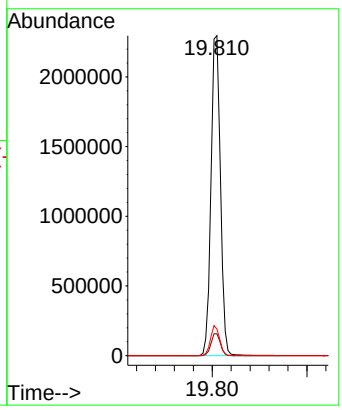


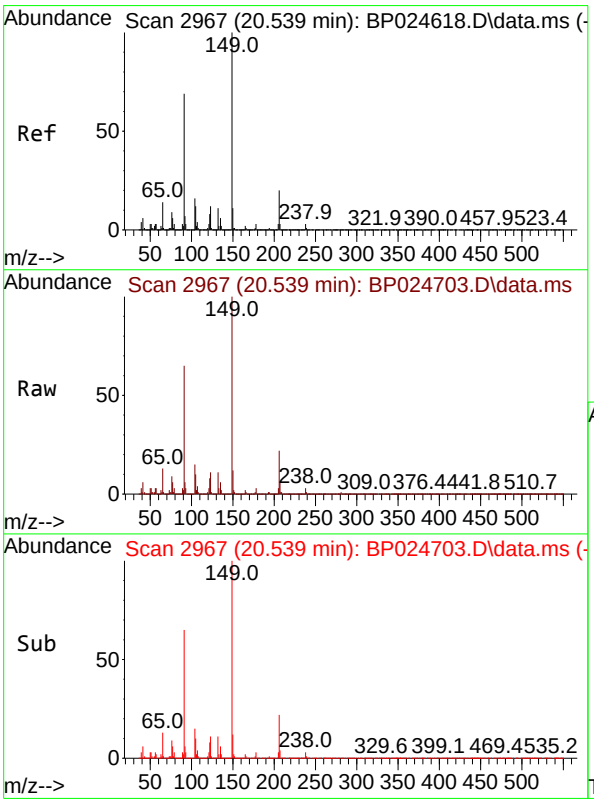
#79
Terphenyl-d14
Concen: 80.045 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3174042

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	8.4	7.4	11.0

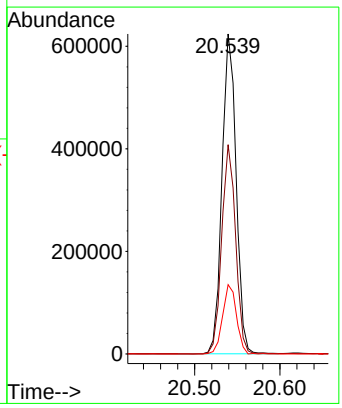


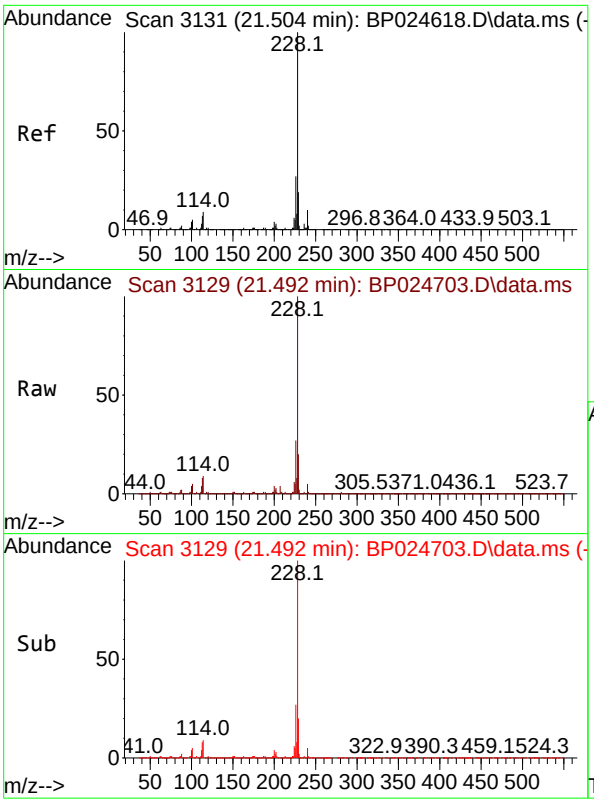


#80
Butylbenzylphthalate
Concen: 39.544 ng
RT: 20.539 min Scan# 2967
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 716477

Ion	Ratio	Lower	Upper
149	100		
91	65.4	55.4	83.0
206	21.7	16.2	24.2



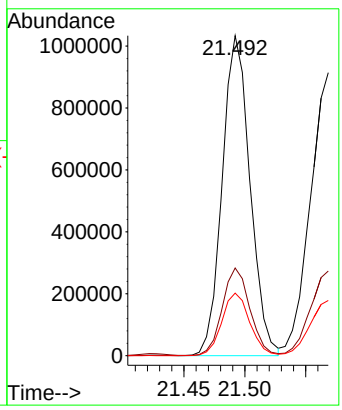


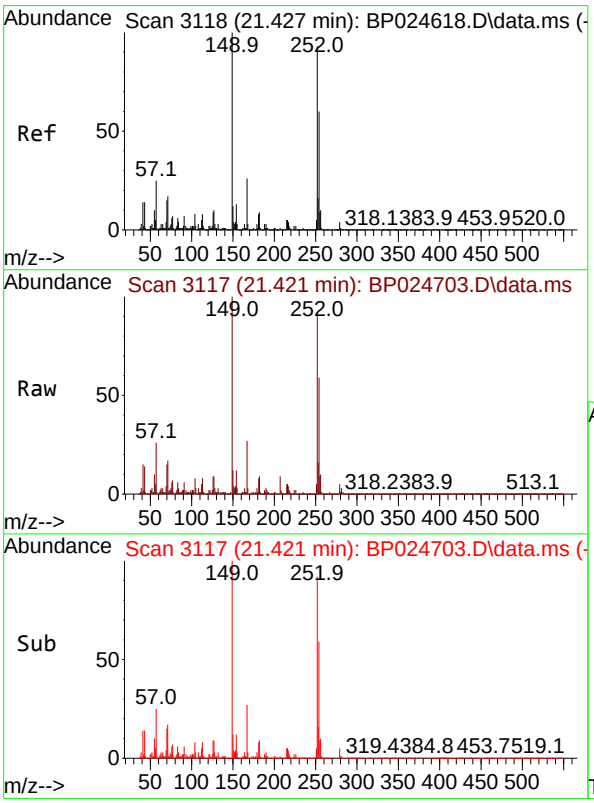
#81
Benzo(a)anthracene
Concen: 38.539 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1645382

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.0
229	19.6	15.5	23.3

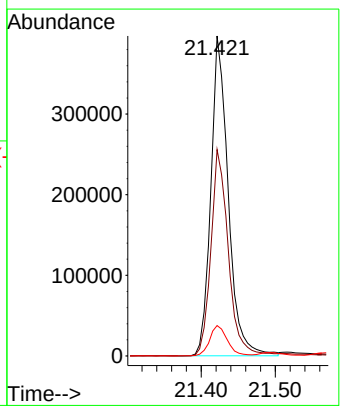


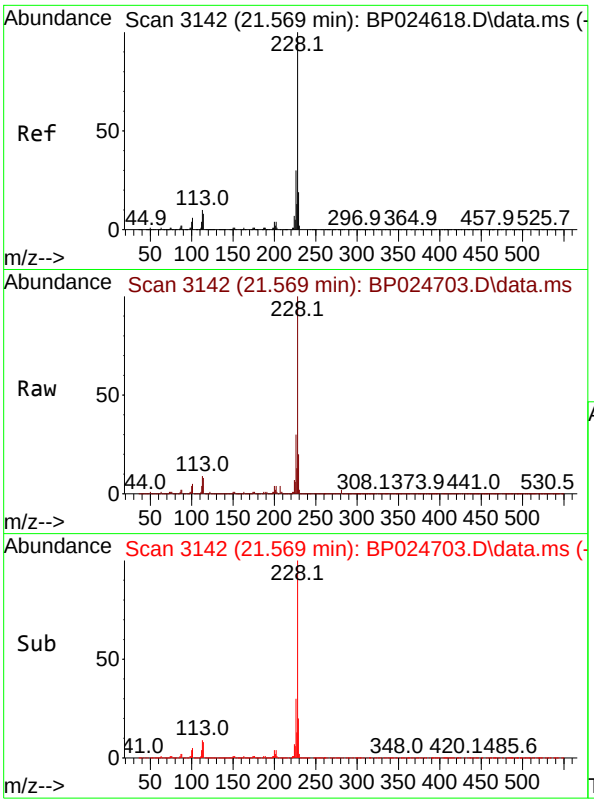


#82
3,3'-Dichlorobenzidine
Concen: 40.800 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 646986

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.8	77.6
126	9.5	7.7	11.5



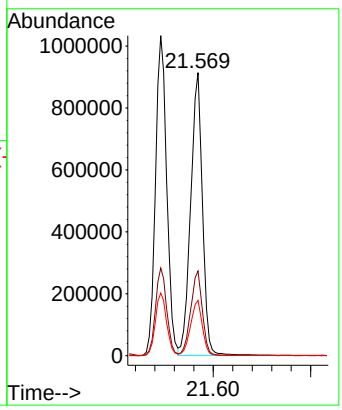


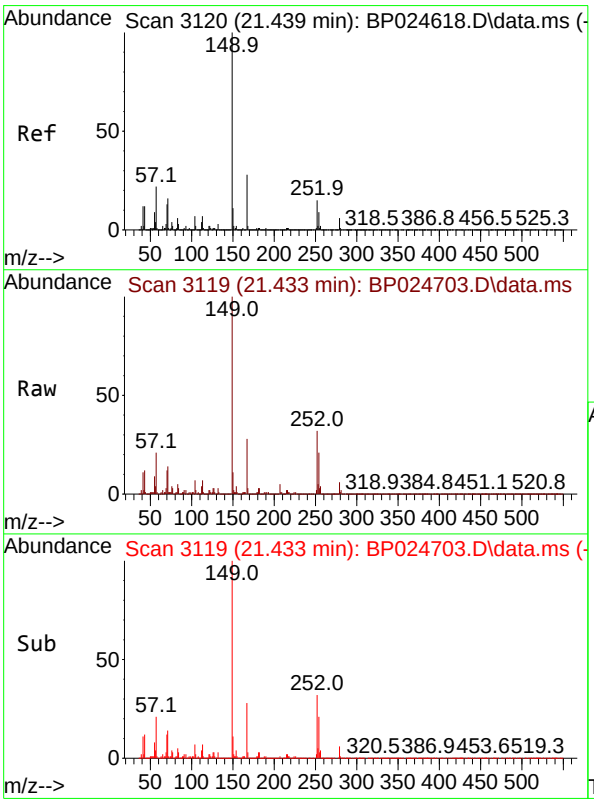
#83
Chrysene
Concen: 38.139 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1543547

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.5	15.5	23.3

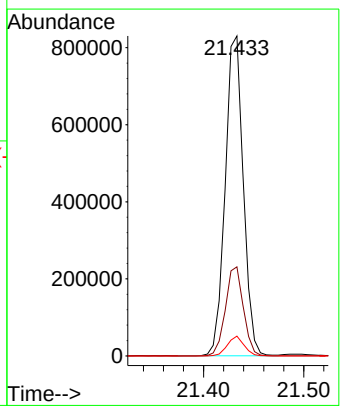


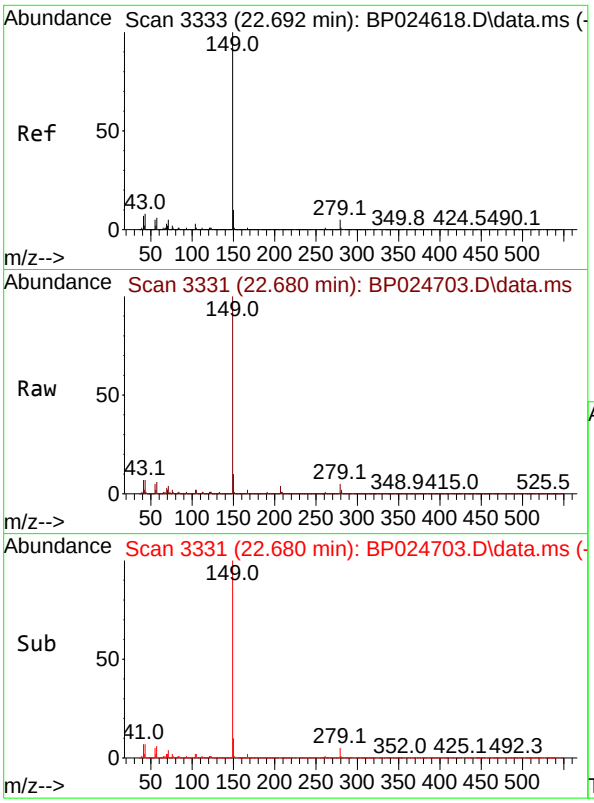


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.018 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 1039093

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	6.2	4.6	6.8



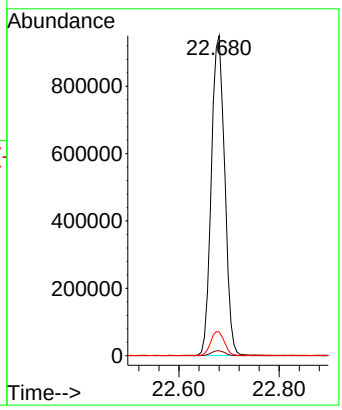


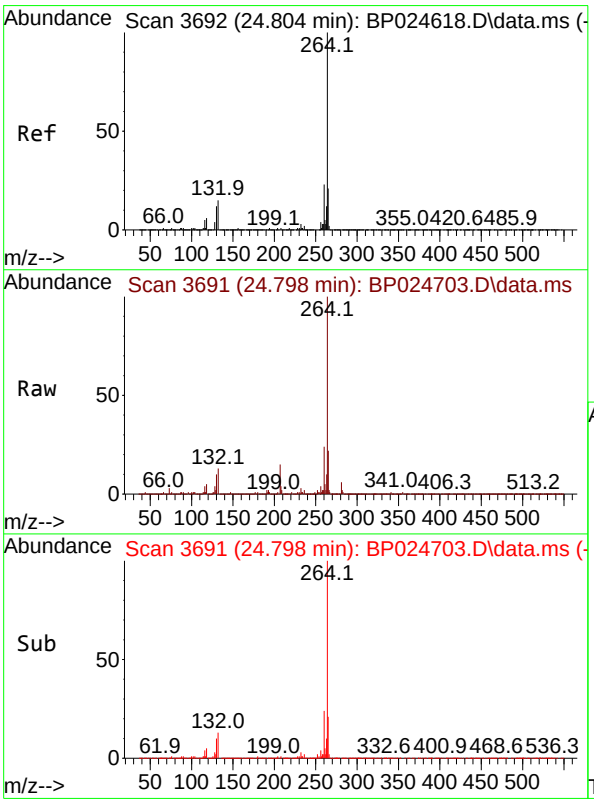
#85
Di-n-octyl phthalate
Concen: 40.266 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1753560

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5

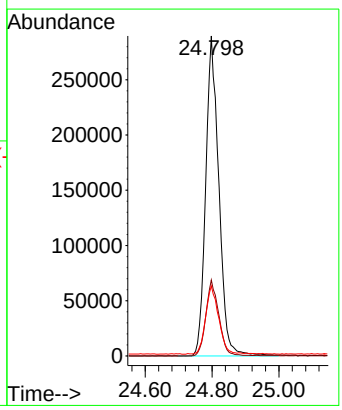


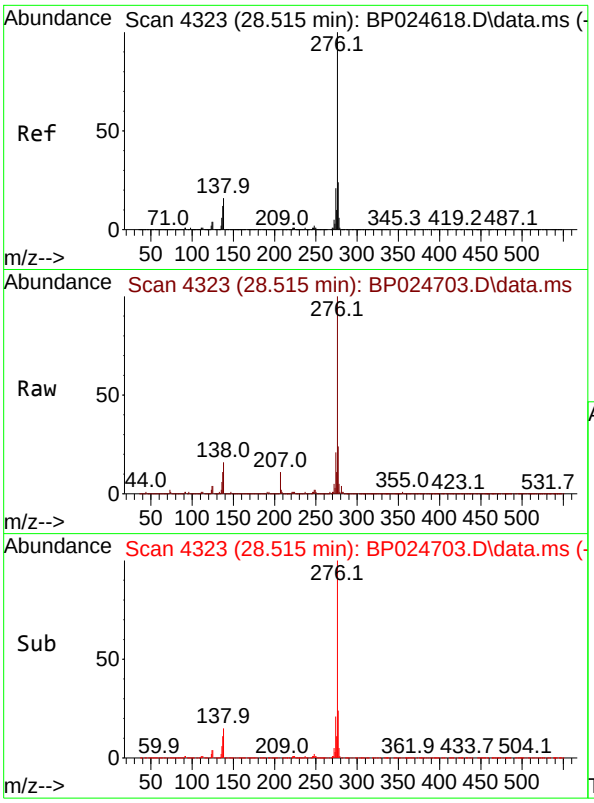


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:264 Resp: 792201

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.9	17.0	25.6



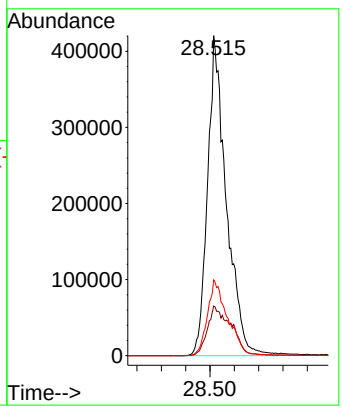


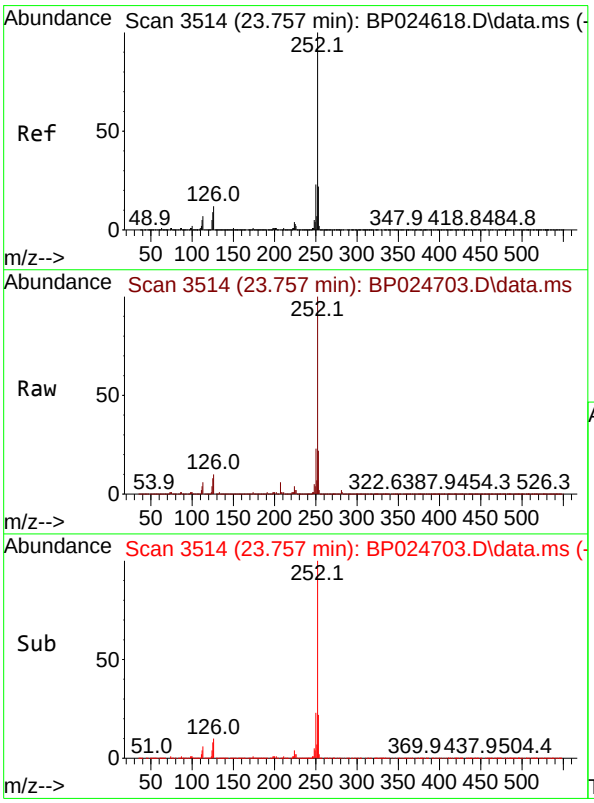
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.903 ng
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2249969

Ion	Ratio	Lower	Upper
276	100		
138	19.5	11.2	16.8#
277	25.5	15.7	23.5#

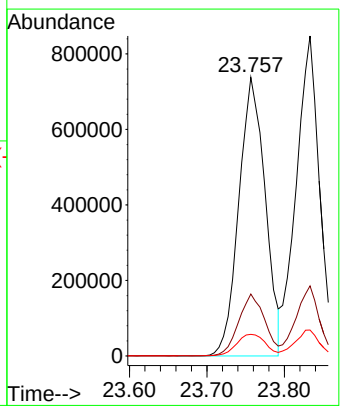


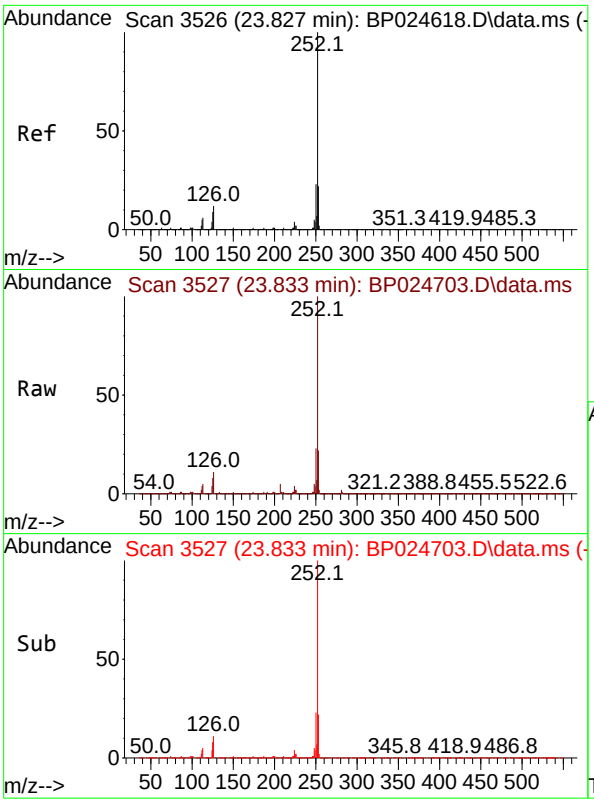


#88
Benzo(b)fluoranthene
Concen: 38.496 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 1745599

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	7.8	7.5	11.3



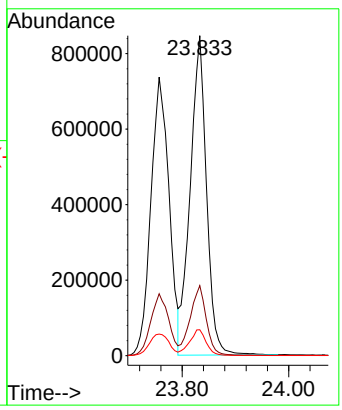


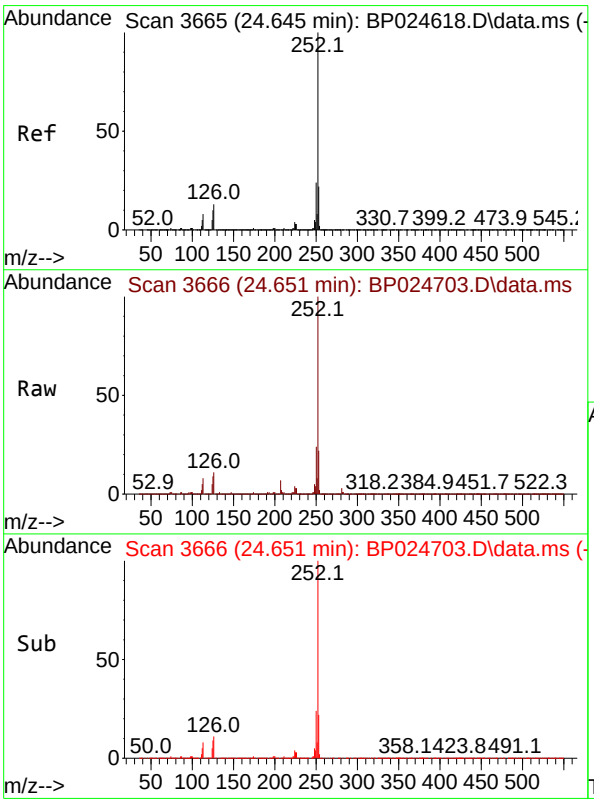
#89
Benzo(k)fluoranthene
Concen: 38.409 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1794614

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	8.1	7.0	10.4

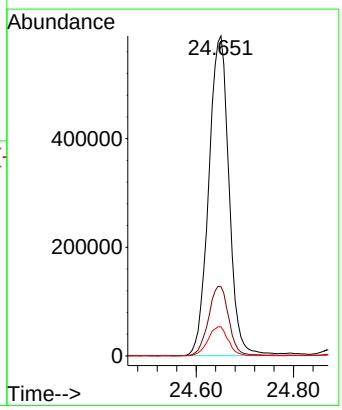


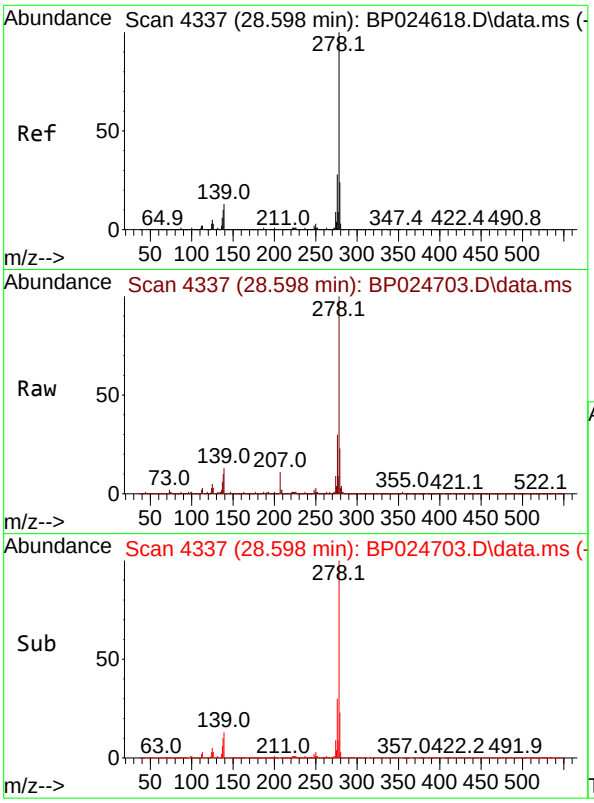


#90
Benzo(a)pyrene
Concen: 38.890 ng
RT: 24.651 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 1693647

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.1	8.1	12.1



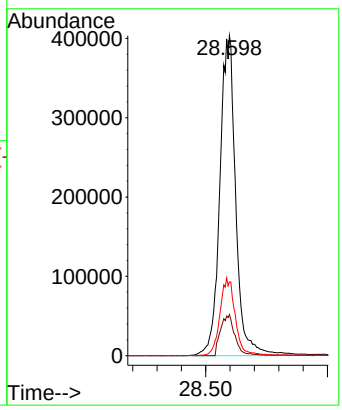


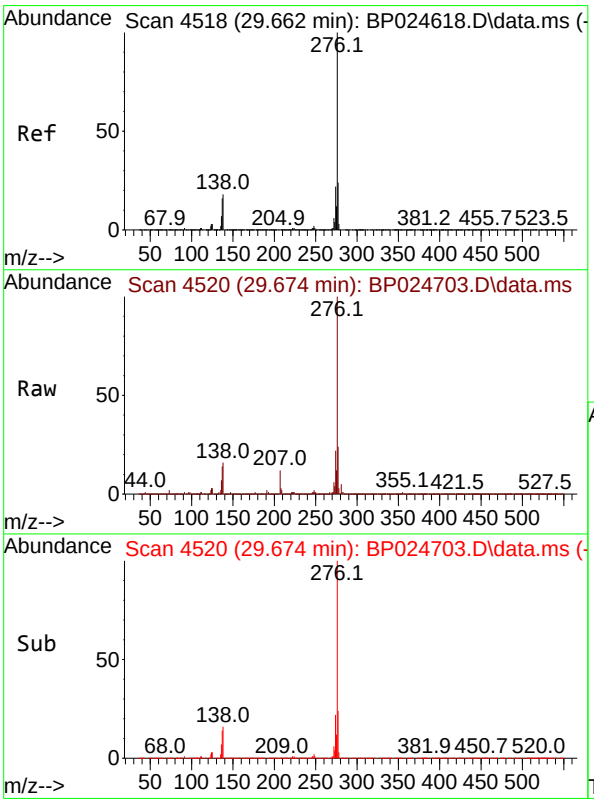
#91
Dibenzo(a,h)anthracene
Concen: 38.874 ng
RT: 28.598 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1829060

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.4
279	23.0	19.0	28.4

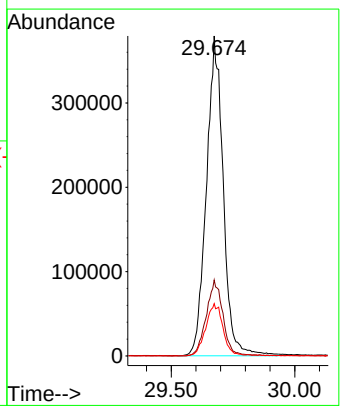




#92
Benzo(g,h,i)perylene
Concen: 38.222 ng
RT: 29.674 min Scan# 4520
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:276 Resp: 1788388

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	16.3	14.4	21.6



Sample Results: **BP024703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.549	0.490	10.7	99	0.00
3		Pyridine	1.218	1.138	6.6	97	0.00
4		n-Nitrosodimethylamine	0.538	0.511	5.0	101	0.00
5	S	2-Fluorophenol	1.169	1.129	3.4	104	0.00
6		Aniline	1.927	1.764	8.5	94	0.00
7	S	Phenol-d6	1.492	1.410	5.5	98	0.00
8		2-Chlorophenol	1.327	1.280	3.5	100	0.00
9		Benzaldehyde	0.966	0.885	8.4	95	-0.01
10	C	Phenol	1.540	1.418	7.9	96	0.00
11		bis(2-Chloroethyl)ether	1.266	1.114	12.0	94	0.00
12		1,3-Dichlorobenzene	1.527	1.450	5.0	103	0.00
13	C	1,4-Dichlorobenzene	1.536	1.463	4.8	102	0.00
14		1,2-Dichlorobenzene	1.497	1.417	5.3	102	0.00
15		Benzyl Alcohol	1.134	1.079	4.9	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.340	11.6	93	0.00
17		2-Methylphenol	1.105	1.022	7.5	95	0.00
18		Hexachloroethane	0.589	0.545	7.5	101	-0.01
19	P	n-Nitroso-di-n-propylamine	1.032	0.915	11.3	89	0.00
20		3+4-Methylphenols	1.503	1.381	8.1	93	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22		Acetophenone	0.500	0.472	5.6	91	0.00
23	S	Nitrobenzene-d5	0.396	0.375	5.3	92	0.00
24		Nitrobenzene	0.348	0.330	5.2	91	0.00
25		Isophorone	0.687	0.624	9.2	87	0.00
26	C	2-Nitrophenol	0.171	0.178	-4.1	97	-0.01
27		2,4-Dimethylphenol	0.301	0.296	1.7	93	0.00
28		bis(2-Chloroethoxy)methane	0.410	0.367	10.5	86	-0.01
29	C	2,4-Dichlorophenol	0.292	0.289	1.0	93	0.01
30		1,2,4-Trichlorobenzene	0.329	0.327	0.6	100	-0.01
31		Naphthalene	1.036	0.995	4.0	95	0.00
32		Benzoic acid	0.181	0.176	2.8	86	0.02
33		4-Chloroaniline	0.418	0.409	2.2	91	0.00
34	C	Hexachlorobutadiene	0.213	0.211	0.9	100	0.00
35		Caprolactam	0.106	0.098	7.5	84	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.337	5.3	88	0.00
37		2-Methylnaphthalene	0.671	0.634	5.5	93	0.00
38		1-Methylnaphthalene	0.718	0.674	6.1	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.581	0.583	-0.3	93	0.00
41	P	Hexachlorocyclopentadiene	0.352	0.351	0.3	86	0.00
42	S	2,4,6-Tribromophenol	0.339	0.348	-2.7	94	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.384	-2.1	91	0.00
44		2,4,5-Trichlorophenol	0.419	0.427	-1.9	92	0.01
45	S	2-Fluorobiphenyl	1.527	1.512	1.0	92	-0.01
46		1,1'-Biphenyl	1.478	1.420	3.9	90	0.00
47		2-Chloronaphthalene	1.127	1.097	2.7	90	0.00

Sample Results: **BP024703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	0.334	0.320	4.2	84	-0.01
49		Acenaphthylene	1.886	1.792	5.0	87	-0.01
50		Dimethylphthalate	1.524	1.412	7.3	85	0.00
51		2,6-Dinitrotoluene	0.322	0.312	3.1	87	-0.01
52	C	Acenaphthene	1.084	1.035	4.5	88	-0.01
53		3-Nitroaniline	0.329	0.315	4.3	81	-0.01
54	P	2,4-Dinitrophenol	0.169	0.160	5.3	81	0.00
55		Dibenzofuran	1.730	1.654	4.4	89	0.00
56	P	4-Nitrophenol	0.250	0.320	-28.0#	109	0.03
57		2,4-Dinitrotoluene	0.454	0.441	2.9	85	-0.01
58		Fluorene	1.410	1.354	4.0	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.381	1.8	88	0.00
60		Diethylphthalate	1.541	1.438	6.7	87	-0.01
61		4-Chlorophenyl-phenylether	0.703	0.679	3.4	91	-0.01
62		4-Nitroaniline	0.317	0.299	5.7	79	0.00
63		Azobenzene	1.318	1.188	9.9	83	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	-0.02
65		4,6-Dinitro-2-methylphenol	0.129	0.128	0.8	86	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.596	2.9	87	-0.01
67		4-Bromophenyl-phenylether	0.236	0.238	-0.8	91	0.00
68		Hexachlorobenzene	0.299	0.299	0.0	92	0.00
69		Atrazine	0.225	0.224	0.4	89	-0.01
70	C	Pentachlorophenol	0.168	0.165	1.8	83	0.00
71		Phenanthrene	1.112	1.065	4.2	88	0.00
72		Anthracene	1.119	1.093	2.3	88	0.00
73		Carbazole	1.012	0.966	4.5	83	-0.01
74		Di-n-butylphthalate	1.302	1.263	3.0	87	-0.01
75	C	Fluoranthene	1.300	1.234	5.1	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77		Benzidine	0.545	0.534	2.0	80	0.00
78		Pyrene	1.198	1.171	2.3	85	0.00
79	S	Terphenyl-d14	1.166	1.167	-0.1	87	0.00
80		Butylbenzylphthalate	0.533	0.527	1.1	84	0.00
81		Benzo(a)anthracene	1.256	1.210	3.7	84	-0.01
82		3,3'-Dichlorobenzidine	0.466	0.476	-2.1	84	0.00
83		Chrysene	1.190	1.135	4.6	84	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.764	2.4	84	0.00
85	c	Di-n-octyl phthalate	1.281	1.290	-0.7	85	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	1.460	1.420	2.7	85	0.00
88		Benzo(b)fluoranthene	1.145	1.102	3.8	85	0.00
89		Benzo(k)fluoranthene	1.180	1.133	4.0	85	0.00
90	C	Benzo(a)pyrene	1.099	1.069	2.7	86	0.00
91		Dibenzo(a,h)anthracene	1.188	1.154	2.9	84	0.00
92		Benzo(g,h,i)perylene	1.181	1.129	4.4	84	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	35.672	10.8	99	0.00
3		Pyridine	40.000	37.400	6.5	97	0.00
4		n-Nitrosodimethylamine	40.000	37.995	5.0	101	0.00
5	S	2-Fluorophenol	80.000	77.239	3.5	104	0.00
6		Aniline	40.000	36.614	8.5	94	0.00
7	S	Phenol-d6	80.000	75.586	5.5	98	0.00
8		2-Chlorophenol	40.000	38.571	3.6	100	0.00
9		Benzaldehyde	40.000	36.642	8.4	95	-0.01
10	C	Phenol	40.000	36.834	7.9	96	0.00
11		bis(2-Chloroethyl)ether	40.000	35.195	12.0	94	0.00
12		1,3-Dichlorobenzene	40.000	37.969	5.1	103	0.00
13	C	1,4-Dichlorobenzene	40.000	38.098	4.8	102	0.00
14		1,2-Dichlorobenzene	40.000	37.873	5.3	102	0.00
15		Benzyl Alcohol	40.000	38.049	4.9	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.362	11.6	93	0.00
17		2-Methylphenol	40.000	37.017	7.5	95	0.00
18		Hexachloroethane	40.000	37.007	7.5	101	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	35.440	11.4	89	0.00
20		3+4-Methylphenols	40.000	36.755	8.1	93	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22		Acetophenone	40.000	37.752	5.6	91	0.00
23	S	Nitrobenzene-d5	80.000	75.884	5.1	92	0.00
24		Nitrobenzene	40.000	37.838	5.4	91	0.00
25		Isophorone	40.000	36.360	9.1	87	0.00
26	C	2-Nitrophenol	40.000	41.786	-4.5	97	-0.01
27		2,4-Dimethylphenol	40.000	39.314	1.7	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.782	10.5	86	-0.01
29	C	2,4-Dichlorophenol	40.000	39.583	1.0	93	0.01
30		1,2,4-Trichlorobenzene	40.000	39.761	0.6	100	-0.01
31		Naphthalene	40.000	38.402	4.0	95	0.00
32		Benzoic acid	40.000	35.775	10.6	86	0.02
33		4-Chloroaniline	40.000	39.100	2.2	91	0.00
34	C	Hexachlorobutadiene	40.000	39.725	0.7	100	0.00
35		Caprolactam	40.000	37.303	6.7	84	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.939	5.2	88	0.00
37		2-Methylnaphthalene	40.000	37.810	5.5	93	0.00
38		1-Methylnaphthalene	40.000	37.519	6.2	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	40.169	-0.4	93	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.860	0.4	86	0.00
42	S	2,4,6-Tribromophenol	80.000	82.116	-2.6	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.826	-2.1	91	0.00
44		2,4,5-Trichlorophenol	40.000	40.832	-2.1	92	0.01
45	S	2-Fluorobiphenyl	80.000	79.243	0.9	92	-0.01
46		1,1'-Biphenyl	40.000	38.417	4.0	90	0.00
47		2-Chloronaphthalene	40.000	38.930	2.7	90	0.00

Sample Results: **BP024703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	38.400	4.0	84	-0.01
49		Acenaphthylene	40.000	38.009	5.0	87	-0.01
50		Dimethylphthalate	40.000	37.061	7.3	85	0.00
51		2,6-Dinitrotoluene	40.000	38.712	3.2	87	-0.01
52	C	Acenaphthene	40.000	38.193	4.5	88	-0.01
53		3-Nitroaniline	40.000	38.296	4.3	81	-0.01
54	P	2,4-Dinitrophenol	40.000	35.323	11.7	81	0.00
55		Dibenzofuran	40.000	38.252	4.4	89	0.00
56	P	4-Nitrophenol	40.000	46.802	-17.0	109	0.03
57		2,4-Dinitrotoluene	40.000	38.874	2.8	85	-0.01
58		Fluorene	40.000	38.395	4.0	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.256	1.9	88	0.00
60		Diethylphthalate	40.000	37.342	6.6	87	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.622	3.4	91	-0.01
62		4-Nitroaniline	40.000	37.633	5.9	79	0.00
63		Azobenzene	40.000	36.055	9.9	83	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	39.652	0.9	86	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.839	2.9	87	-0.01
67		4-Bromophenyl-phenylether	40.000	40.410	-1.0	91	0.00
68		Hexachlorobenzene	40.000	39.938	0.2	92	0.00
69		Atrazine	40.000	39.750	0.6	89	-0.01
70	C	Pentachlorophenol	40.000	39.278	1.8	83	0.00
71		Phenanthrene	40.000	38.323	4.2	88	0.00
72		Anthracene	40.000	39.076	2.3	88	0.00
73		Carbazole	40.000	38.152	4.6	83	-0.01
74		Di-n-butylphthalate	40.000	38.795	3.0	87	-0.01
75	C	Fluoranthene	40.000	37.992	5.0	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	84	0.00
77		Benzidine	40.000	39.203	2.0	80	0.00
78		Pyrene	40.000	39.077	2.3	85	0.00
79	S	Terphenyl-d14	80.000	80.045	-0.1	87	0.00
80		Butylbenzylphthalate	40.000	39.544	1.1	84	0.00
81		Benzo(a)anthracene	40.000	38.539	3.7	84	-0.01
82		3,3'-Dichlorobenzidine	40.000	40.800	-2.0	84	0.00
83		Chrysene	40.000	38.139	4.7	84	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.018	2.5	84	0.00
85	c	Di-n-octyl phthalate	40.000	40.266	-0.7	85	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.903	2.7	85	0.00
88		Benzo(b)fluoranthene	40.000	38.496	3.8	85	0.00
89		Benzo(k)fluoranthene	40.000	38.409	4.0	85	0.00
90	C	Benzo(a)pyrene	40.000	38.890	2.8	86	0.00
91		Dibenzo(a,h)anthracene	40.000	38.874	2.8	84	0.00
92		Benzo(g,h,i)perylene	40.000	38.222	4.4	84	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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

Raw Data: **BP024718.D**

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: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.092		-6.6	50.0
Benzaldehyde	0.966	0.838		-13.3	50.0
Phenol-d6	1.492	1.356		-9.1	50.0
Phenol	1.540	1.377		-10.6	50.0
bis(2-Chloroethyl)ether	1.266	1.083		-14.5	50.0
2-Chlorophenol	1.327	1.268		-4.4	50.0
2-Methylphenol	1.105	1.025		-7.2	50.0
2,2-oxybis(1-Chloropropane)	1.516	1.280		-15.6	50.0
Acetophenone	0.500	0.457		-8.6	50.0
3+4-Methylphenols	1.503	1.386		-7.8	50.0
n-Nitroso-di-n-propylamine	1.032	0.882	0.050	-14.5	50.0
Nitrobenzene-d5	0.396	0.354		-10.6	50.0
Hexachloroethane	0.589	0.534		-9.3	50.0
Nitrobenzene	0.348	0.305		-12.4	50.0
Isophorone	0.687	0.600		-12.7	50.0
2-Nitrophenol	0.171	0.177		3.5	50.0
2,4-Dimethylphenol	0.301	0.290		-3.7	50.0
bis(2-Chloroethoxy)methane	0.410	0.351		-14.4	50.0
2,4-Dichlorophenol	0.292	0.292		0.0	50.0
Naphthalene	1.036	0.990		-4.4	50.0
4-Chloroaniline	0.418	0.409		-2.2	50.0
Hexachlorobutadiene	0.213	0.212		-0.5	50.0
Caprolactam	0.106	0.103		-2.8	50.0
4-Chloro-3-methylphenol	0.356	0.345		-3.1	50.0
2-Methylnaphthalene	0.671	0.644		-4.0	50.0
Hexachlorocyclopentadiene	0.352	0.353	0.050	0.3	50.0
2,4,6-Trichlorophenol	0.376	0.399		6.1	50.0
2-Fluorobiphenyl	1.527	1.493		-2.2	50.0
2,4,5-Trichlorophenol	0.419	0.440		5.0	50.0
1,1-Biphenyl	1.478	1.442		-2.4	50.0
2-Chloronaphthalene	1.127	1.121		-0.5	50.0
2-Nitroaniline	0.334	0.327		-2.1	50.0
Dimethylphthalate	1.524	1.441		-5.4	50.0
Acenaphthylene	1.886	1.808		-4.1	50.0
2,6-Dinitrotoluene	0.322	0.307		-4.7	50.0
3-Nitroaniline	0.329	0.314		-4.6	50.0
Acenaphthene	1.084	1.038		-4.2	50.0
2,4-Dinitrophenol	0.169	0.154	0.050	-8.9	50.0
4-Nitrophenol	0.250	0.339	0.050	35.6	50.0

Raw Data: **BP024718.D**

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: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	50.0
2,4-Dinitrotoluene	0.454	0.455		0.2	50.0
Diethylphthalate	1.541	1.454		-5.6	50.0
4-Chlorophenyl-phenylether	0.703	0.687		-2.3	50.0
Fluorene	1.410	1.366		-3.1	50.0
4-Nitroaniline	0.317	0.313		-1.3	50.0
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	50.0
n-Nitrosodiphenylamine	0.614	0.608		-1.0	50.0
2,4,6-Tribromophenol	0.339	0.363		7.1	50.0
4-Bromophenyl-phenylether	0.236	0.239		1.3	50.0
Hexachlorobenzene	0.299	0.304		1.7	50.0
Atrazine	0.225	0.226		0.4	50.0
Pentachlorophenol	0.168	0.252		50.0	50.0
Phenanthrene	1.112	1.068		-4.0	50.0
Anthracene	1.119	1.103		-1.4	50.0
Carbazole	1.012	0.988		-2.4	50.0
Di-n-butylphthalate	1.302	1.289		-1.0	50.0
Fluoranthene	1.300	1.253		-3.6	50.0
Pyrene	1.198	1.170		-2.3	50.0
Terphenyl-d14	1.166	1.166		0.0	50.0
Butylbenzylphthalate	0.533	0.540		1.3	50.0
3,3-Dichlorobenzidine	0.466	0.494		6.0	50.0
Benzo(a)anthracene	1.256	1.204		-4.1	50.0
Chrysene	1.190	1.133		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	50.0
Di-n-octyl phthalate	1.281	1.349		5.3	50.0
Benzo(b)fluoranthene	1.145	1.086		-5.2	50.0
Benzo(k)fluoranthene	1.180	1.096		-7.1	50.0
Benzo(a)pyrene	1.099	1.047		-4.7	50.0
Indeno(1,2,3-cd)pyrene	1.460	1.407		-3.6	50.0
Dibenzo(a,h)anthracene	1.188	1.146		-3.5	50.0
Benzo(g,h,i)perylene	1.181	1.125		-4.7	50.0
1,2,4,5-Tetrachlorobenzene	0.581	0.572		-1.5	50.0
1,4-Dioxane	0.549	0.467		-14.9	50.0
2,3,4,6-Tetrachlorophenol	0.388	0.398		2.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	110566	20.000	ng	0.00
21) Naphthalene-d8	10.422	136	466131	20.000	ng	-0.01
39) Acenaphthene-d10	14.281	164	307619	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	604437	20.000	ng	-0.01
76) Chrysene-d12	21.510	240	676763	20.000	ng	-0.01
86) Perylene-d12	24.798	264	806749	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	483118	74.735	ng	0.00
7) Phenol-d6	6.858	99	599583	72.673	ng	0.00
23) Nitrobenzene-d5	8.805	82	660558	71.601	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	446232	85.567	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	1837081	78.240	ng	-0.01
79) Terphenyl-d14	19.810	244	3157658	80.005	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.223	88	103257	34.016	ng	98
3) Pyridine	3.617	79	230947	34.312	ng	93
4) n-Nitrosodimethylamine	3.528	42	104163	35.054	ng	93
6) Aniline	6.993	93	377517	35.441	ng	99
8) 2-Chlorophenol	7.234	128	280291	38.194	ng	97
9) Benzaldehyde	6.811	77	185370	34.708	ng	98
10) Phenol	6.881	94	304450	35.753	ng	97
11) bis(2-Chloroethyl)ether	7.087	93	239419	34.217	ng	97
12) 1,3-Dichlorobenzene	7.546	146	317636	37.621	ng	98
13) 1,4-Dichlorobenzene	7.687	146	321355	37.843	ng	100
14) 1,2-Dichlorobenzene	7.999	146	312018	37.708	ng	98
15) Benzyl Alcohol	7.905	79	230799	36.812	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.169	45	283120	33.787	ng	99
17) 2-Methylphenol	8.111	107	226637	37.108	ng	98
18) Hexachloroethane	8.716	117	118020	36.268	ng	97
19) n-Nitroso-di-n-propyla...	8.452	70	194970	34.163	ng	96
20) 3+4-Methylphenols	8.440	107	306454	36.887	ng	99
22) Acetophenone	8.469	105	425773	36.567	ng	99
24) Nitrobenzene	8.846	77	283935	34.974	ng	94
25) Isophorone	9.369	82	559210	34.945	ng	96
26) 2-Nitrophenol	9.546	139	165233	41.534	ng	98
27) 2,4-Dimethylphenol	9.622	122	270045	38.501	ng	99
28) bis(2-Chloroethoxy)met...	9.840	93	327325	34.237	ng	97
29) 2,4-Dichlorophenol	10.099	162	272454	40.085	ng	96
30) 1,2,4-Trichlorobenzene	10.287	180	299985	39.166	ng	97
31) Naphthalene	10.469	128	922608	38.195	ng	100
32) Benzoic acid	9.787	122	163060	35.667	ng	93
33) 4-Chloroaniline	10.593	127	381633	39.153	ng	98
34) Hexachlorobutadiene	10.752	225	198098	39.924	ng	98
35) Caprolactam	11.393	113	96266	39.146	ng	94
36) 4-Chloro-3-methylphenol	11.734	107	321821	38.826	ng	98
37) 2-Methylnaphthalene	12.081	142	600646	38.402	ng	99
38) 1-Methylnaphthalene	12.304	142	642025	38.364	ng	99
40) 1,2,4,5-Tetrachloroben...	12.457	216	352005	39.405	ng	99
41) Hexachlorocyclopentadiene	12.434	237	217156	40.091	ng	97
43) 2,4,6-Trichlorophenol	12.716	196	245643	42.455	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

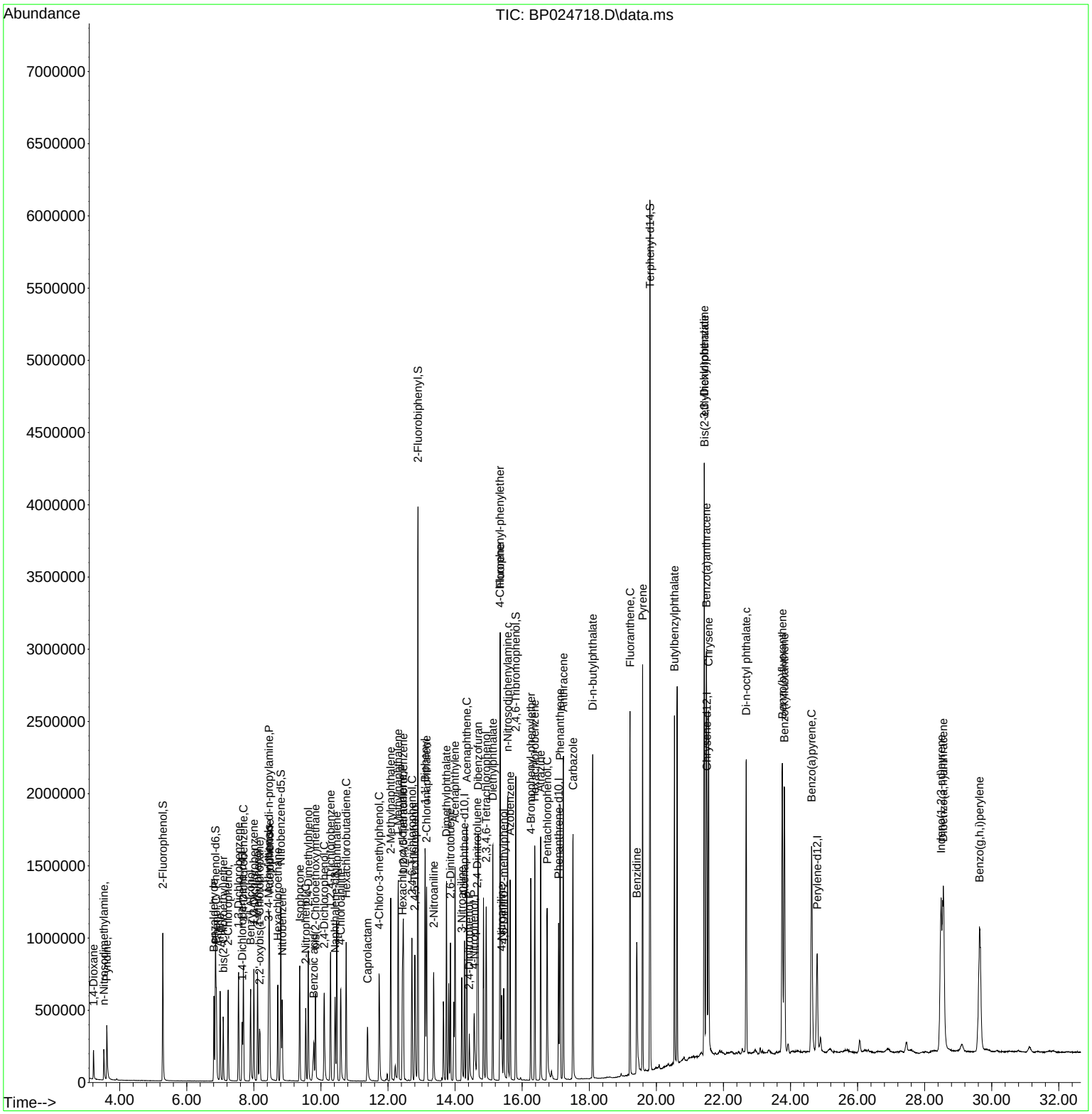
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.798	196	270471	41.995	ng		97
46)	1,1'-Biphenyl	13.104	154	887407	39.030	ng		99
47)	2-Chloronaphthalene	13.151	162	689395	39.767	ng		99
48)	2-Nitroaniline	13.363	65	201432	39.247	ng		97
49)	Acenaphthylene	13.998	152	1112406	38.344	ng		100
50)	Dimethylphthalate	13.745	163	886318	37.801	ng		100
51)	2,6-Dinitrotoluene	13.863	165	189104	38.189	ng		98
52)	Acenaphthene	14.345	154	638458	38.281	ng		100
53)	3-Nitroaniline	14.198	138	193051	38.181	ng		99
54)	2,4-Dinitrophenol	14.422	184	94621	34.279	ng		97
55)	Dibenzofuran	14.687	168	1023680	38.480	ng		100
56)	4-Nitrophenol	14.569	139	208380	49.318	ng		94
57)	2,4-Dinitrotoluene	14.663	165	280073	40.118	ng		98
58)	Fluorene	15.345	166	840603	38.752	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.928	232	244897	40.990	ng		95
60)	Diethylphthalate	15.128	149	894699	37.754	ng		98
61)	4-Chlorophenyl-phenyle...	15.340	204	422424	39.049	ng		100
62)	4-Nitroaniline	15.387	138	192740	39.479	ng		98
63)	Azobenzene	15.640	77	726922	35.857	ng		96
65)	4,6-Dinitro-2-methylph...	15.451	198	151755	38.869	ng		98
66)	n-Nitrosodiphenylamine	15.569	169	734714	39.573	ng		98
67)	4-Bromophenyl-phenylether	16.257	248	289391	40.631	ng		98
68)	Hexachlorobenzene	16.375	284	367323	40.587	ng		98
69)	Atrazine	16.551	200	273779	40.239	ng		99
70)	Pentachlorophenol	16.745	266	305048	60.045	ng		98
71)	Phenanthrene	17.134	178	1290635	38.410	ng		100
72)	Anthracene	17.228	178	1333010	39.430	ng		100
73)	Carbazole	17.516	167	1194415	39.035	ng		100
74)	Di-n-butylphthalate	18.104	149	1558306	39.599	ng		100
75)	Fluoranthene	19.216	202	1514175	38.550	ng		99
77)	Benzidine	19.416	184	755105	40.966	ng		99
78)	Pyrene	19.592	202	1583011	39.038	ng		99
80)	Butylbenzylphthalate	20.539	149	730821	40.524	ng		94
81)	Benzo(a)anthracene	21.492	228	1629224	38.339	ng		100
82)	3,3'-Dichlorobenzidine	21.427	252	669047	42.389	ng		100
83)	Chrysene	21.557	228	1533150	38.059	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.433	149	1057445	39.893	ng		99
85)	Di-n-octyl phthalate	22.680	149	1826217	42.130	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.492	276	2269964	38.541	ng	#	92
88)	Benzo(b)fluoranthene	23.757	252	1752739	37.957	ng		99
89)	Benzo(k)fluoranthene	23.816	252	1768100	37.159	ng		99
90)	Benzo(a)pyrene	24.627	252	1689563	38.097	ng		99
91)	Dibenzo(a,h)anthracene	28.556	278	1849039	38.590	ng		99
92)	Benzo(g,h,i)perylene	29.633	276	1814930	38.090	ng		97

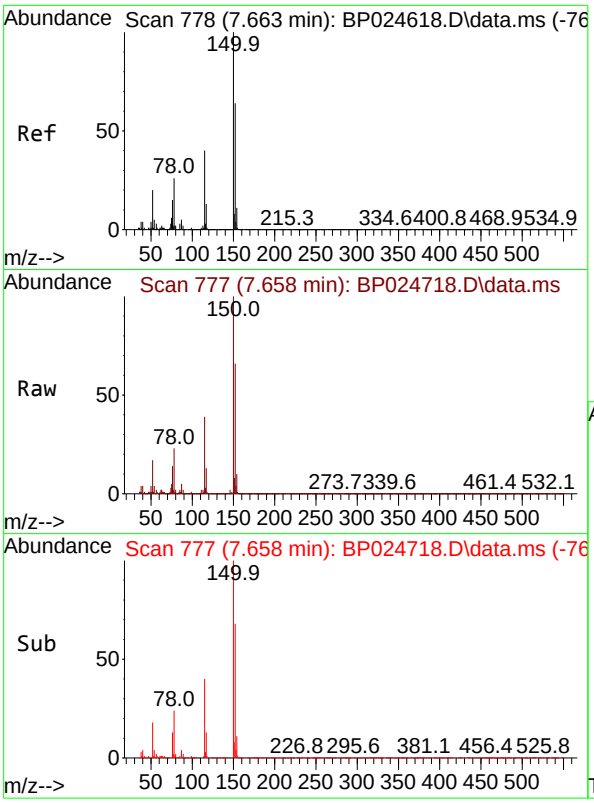
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



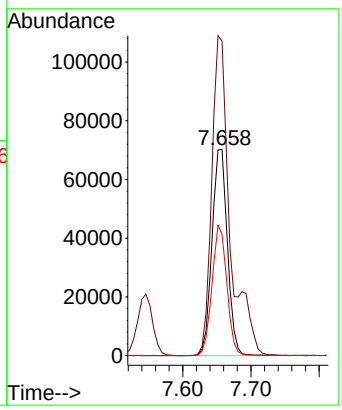


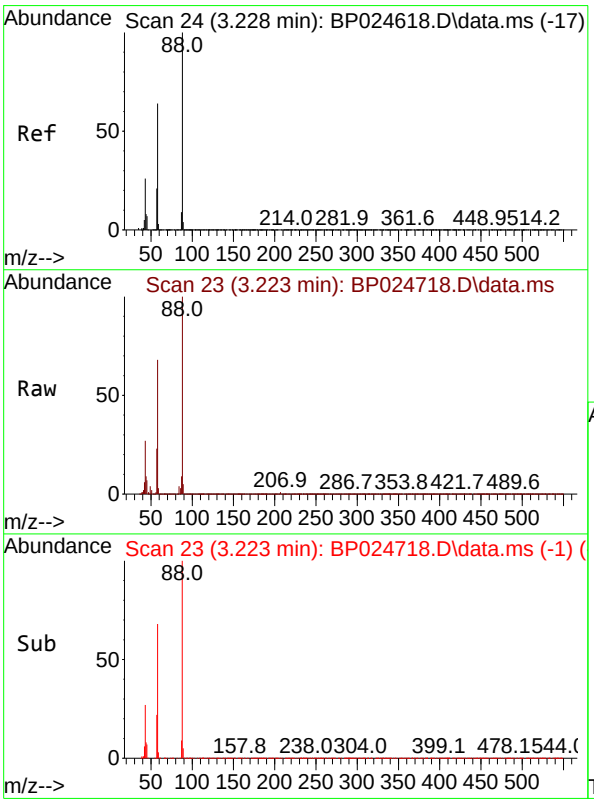
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 110566

Ion	Ratio	Lower	Upper
152	100		
150	152.5	125.9	188.9
115	58.8	50.1	75.1

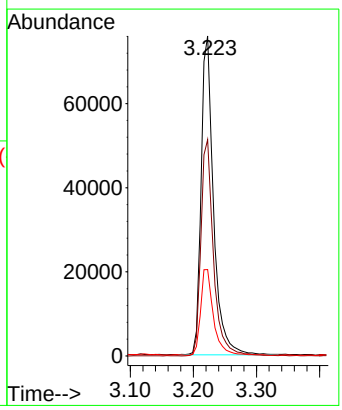


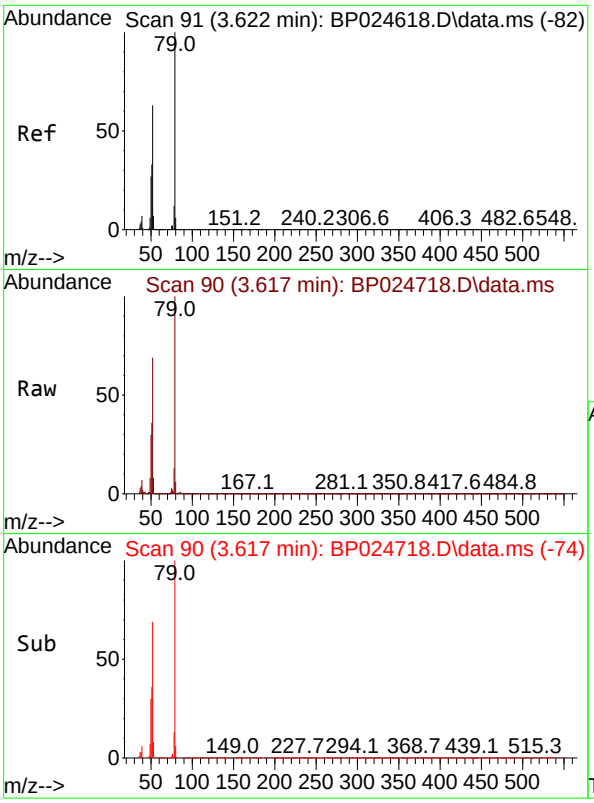


#2
1,4-Dioxane
Concen: 34.016 ng
RT: 3.223 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 88 Resp: 103257

Ion	Ratio	Lower	Upper
88	100		
58	68.7	54.0	81.0
43	28.0	21.4	32.0



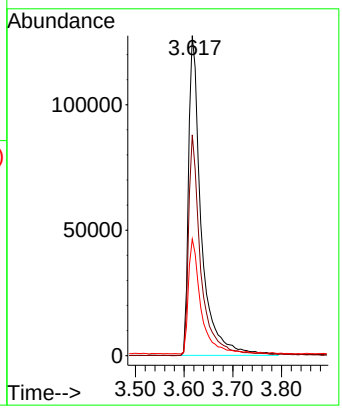


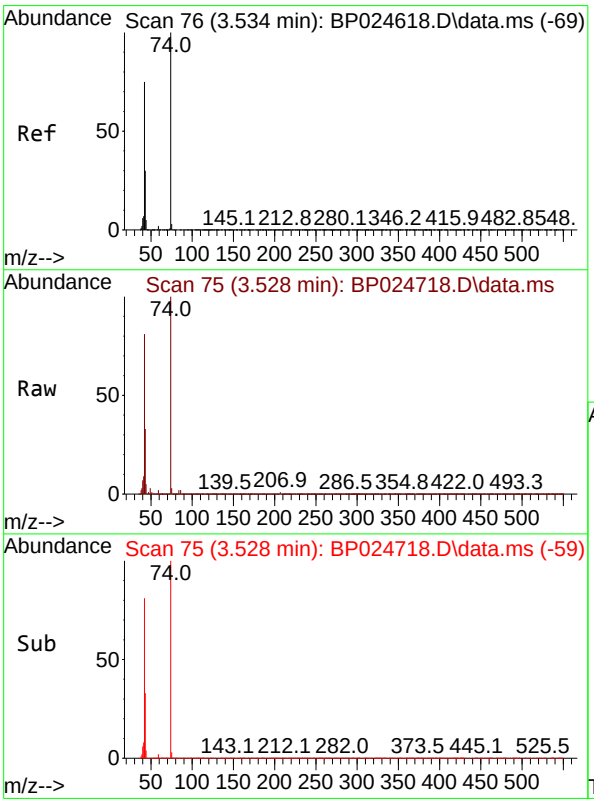
#3
Pyridine
Concen: 34.312 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 230947

Ion	Ratio	Lower	Upper
79	100		
52	69.0	50.2	75.2
51	36.4	26.8	40.2

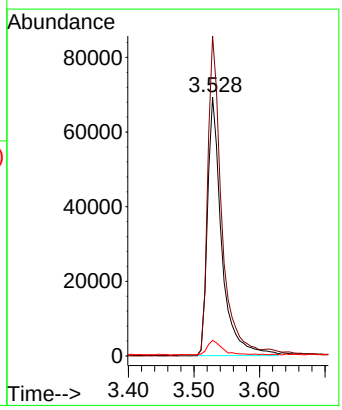


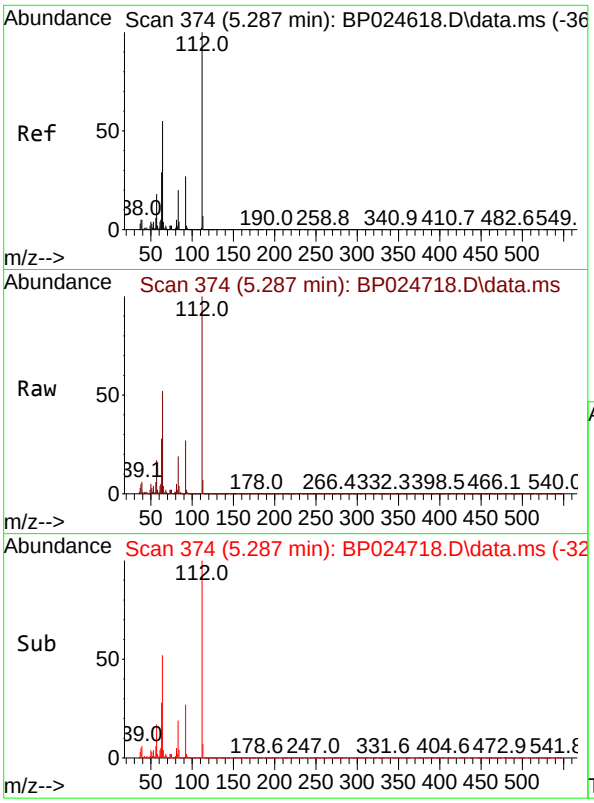


#4
n-Nitrosodimethylamine
Concen: 35.054 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 42 Resp: 104163

Ion	Ratio	Lower	Upper
42	100		
74	123.7	106.2	159.2
44	6.0	5.4	8.2



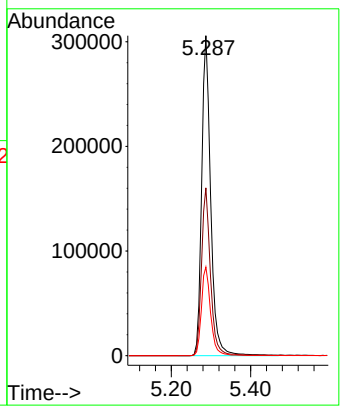


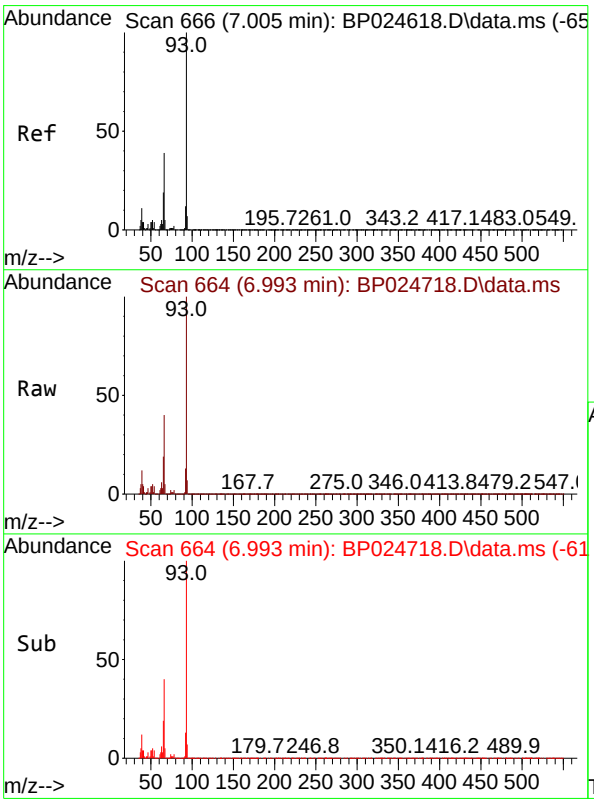
#5
2-Fluorophenol
Concen: 74.735 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 483118

Ion	Ratio	Lower	Upper
112	100		
64	52.4	44.1	66.1
63	27.7	23.5	35.3

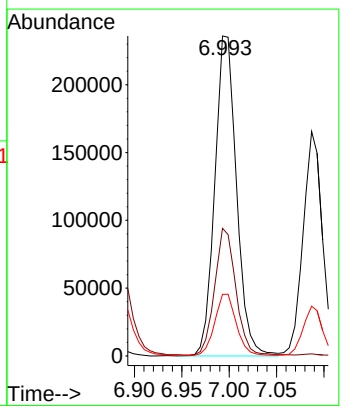


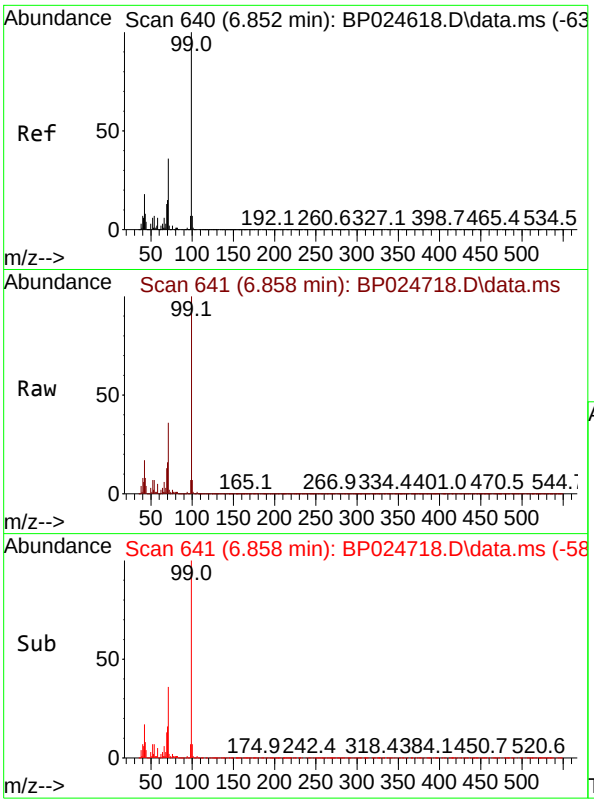


#6
Aniline
Concen: 35.441 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 93 Resp: 377517

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.0	46.6
65	19.2	15.5	23.3



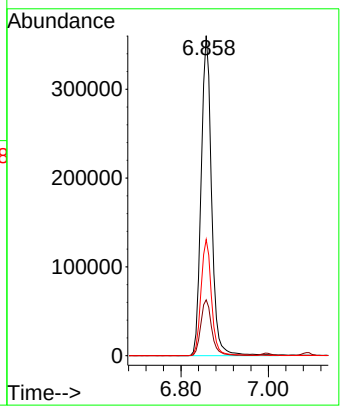


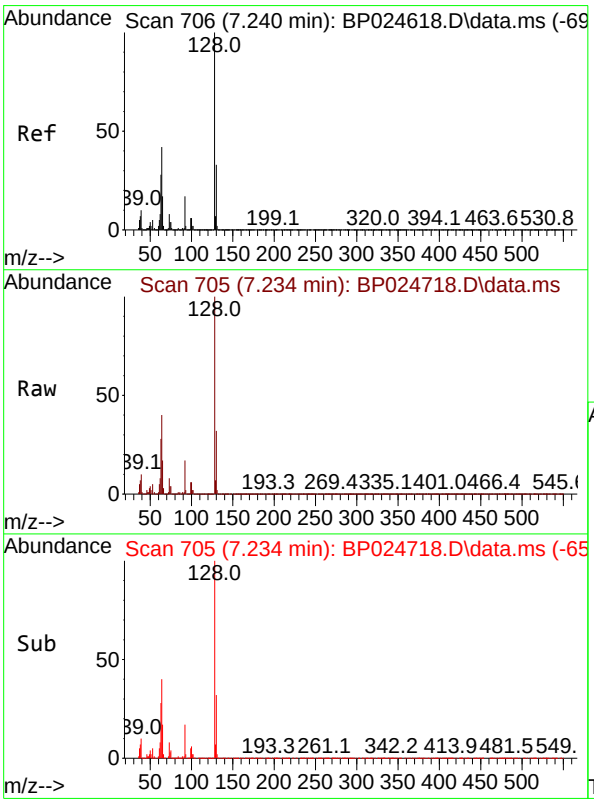
#7
Phenol-d6
Concen: 72.673 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 599583

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	36.3	29.2	43.8

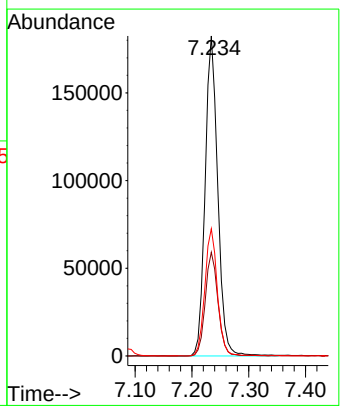


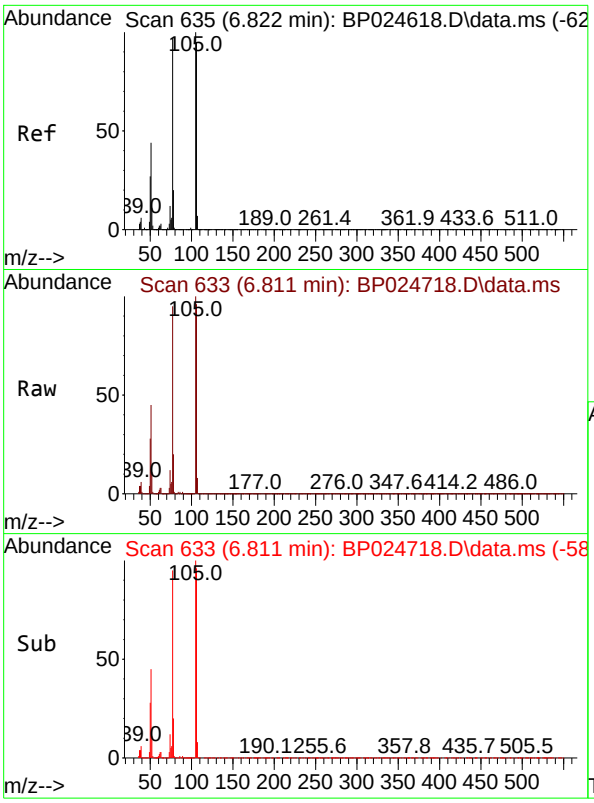


#8
2-Chlorophenol
Concen: 38.194 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:128 Resp: 280291

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	39.8	22.3	62.3



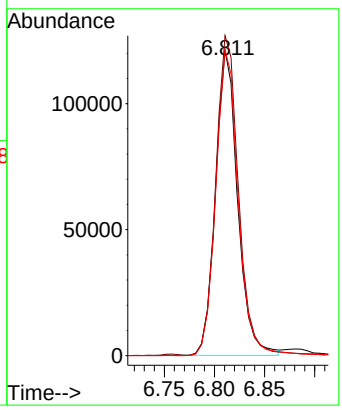


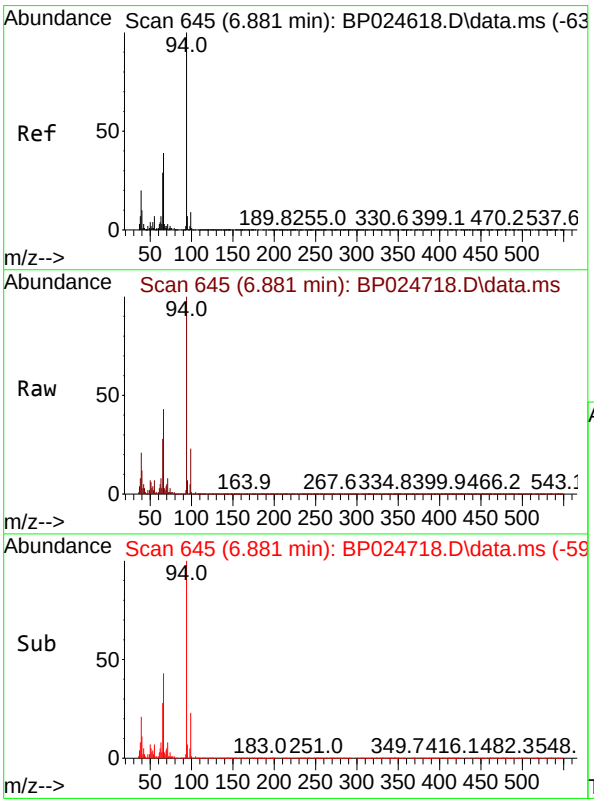
#9
Benzaldehyde
Concen: 34.708 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 185370

Ion	Ratio	Lower	Upper
77	100		
105	104.9	83.3	123.3
106	100.3	78.0	118.0

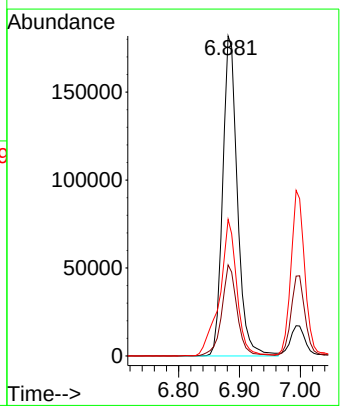


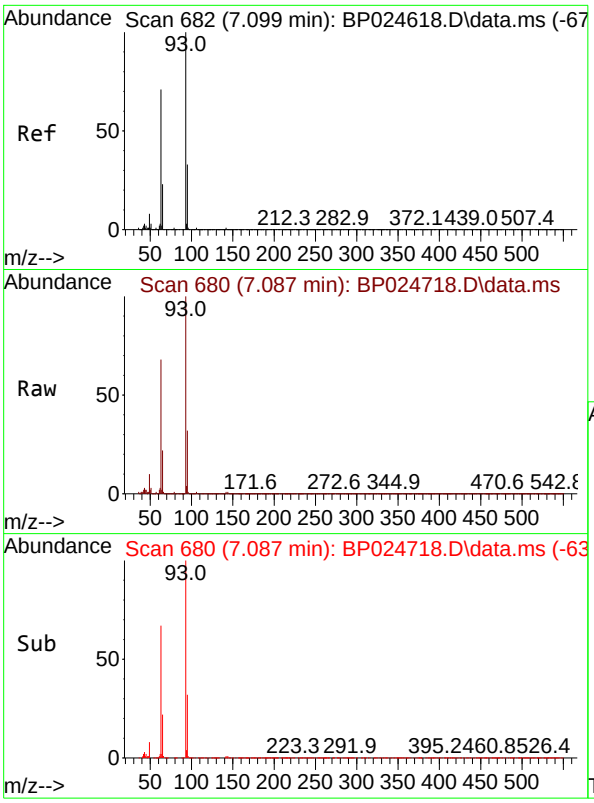


#10
Phenol
Concen: 35.753 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 94 Resp: 304450

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.7	48.7
66	42.6	19.4	59.4



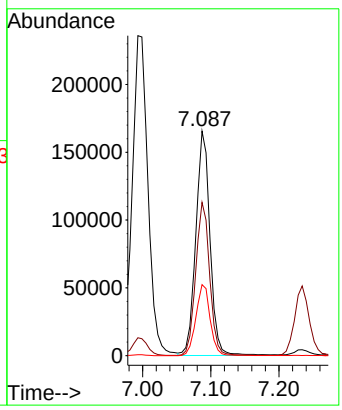


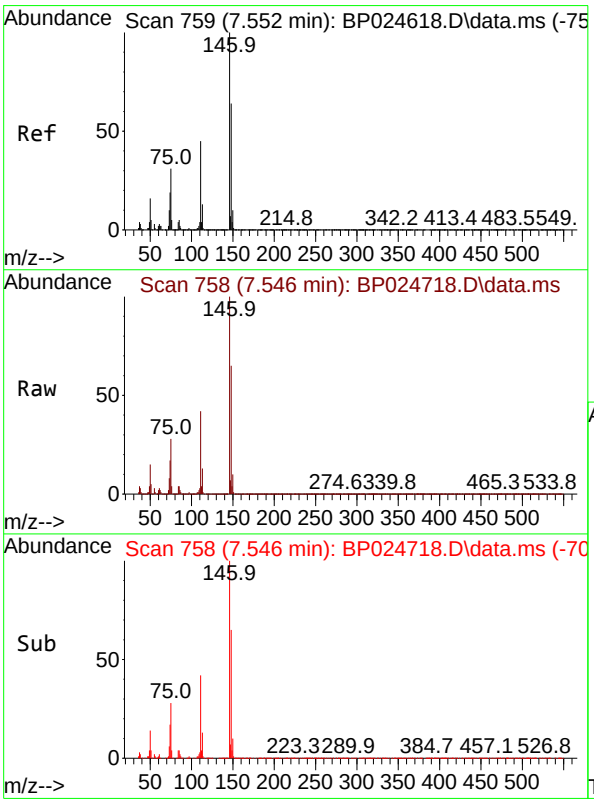
#11
bis(2-Chloroethyl)ether
Concen: 34.217 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 239419

Ion	Ratio	Lower	Upper
93	100		
63	68.3	50.6	90.6
95	31.6	12.9	52.9

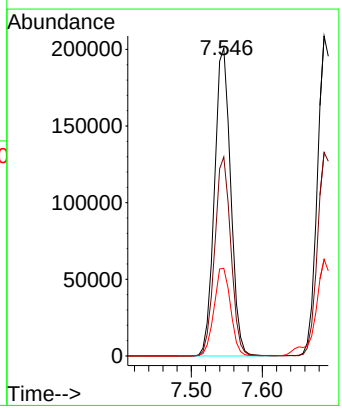


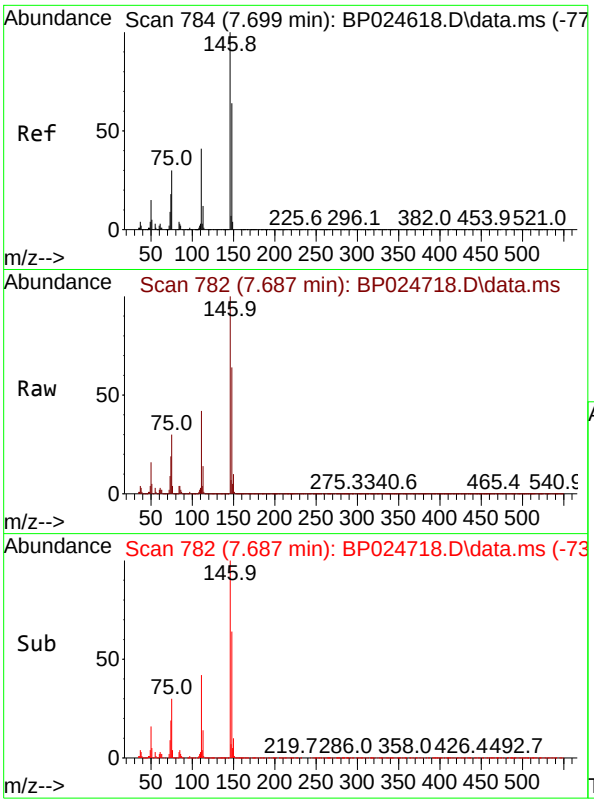


#12
1,3-Dichlorobenzene
Concen: 37.621 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:146 Resp: 317636

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
75	28.5	25.2	37.8



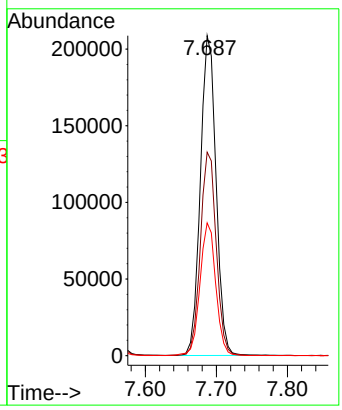


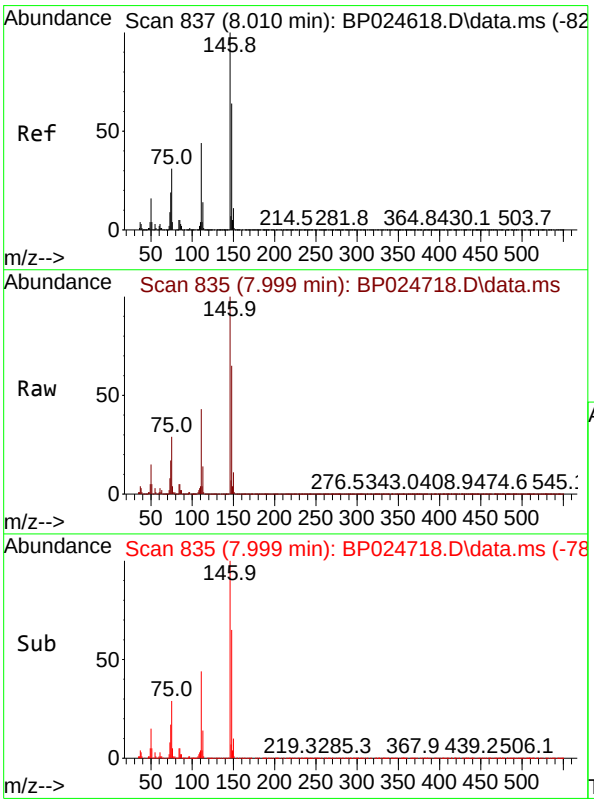
#13
1,4-Dichlorobenzene
Concen: 37.843 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 321355

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
111	41.5	33.0	49.6

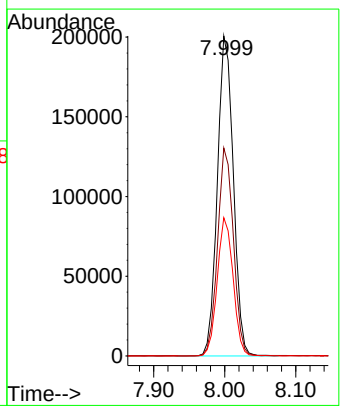


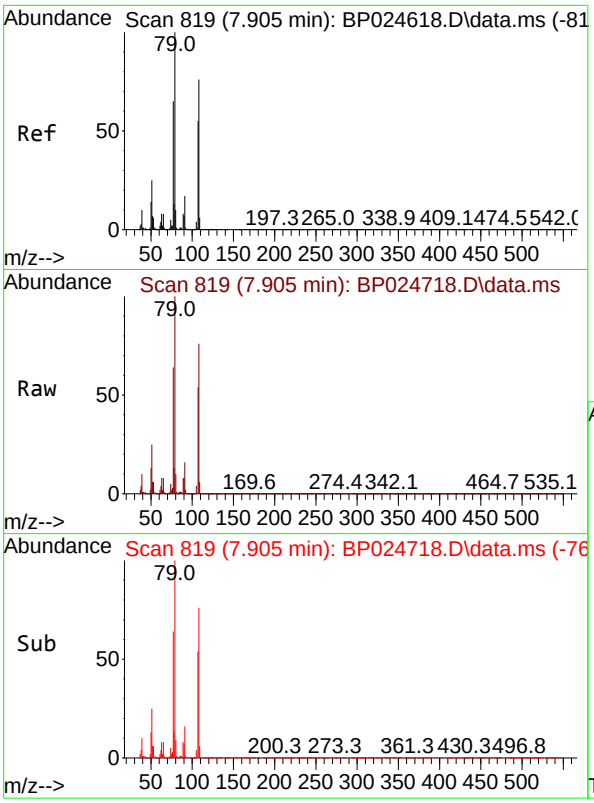


#14
1,2-Dichlorobenzene
Concen: 37.708 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:146 Resp: 312018

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.4
111	43.2	35.2	52.8



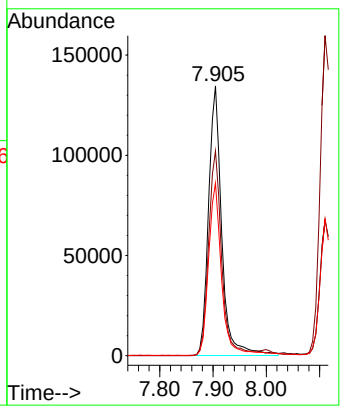


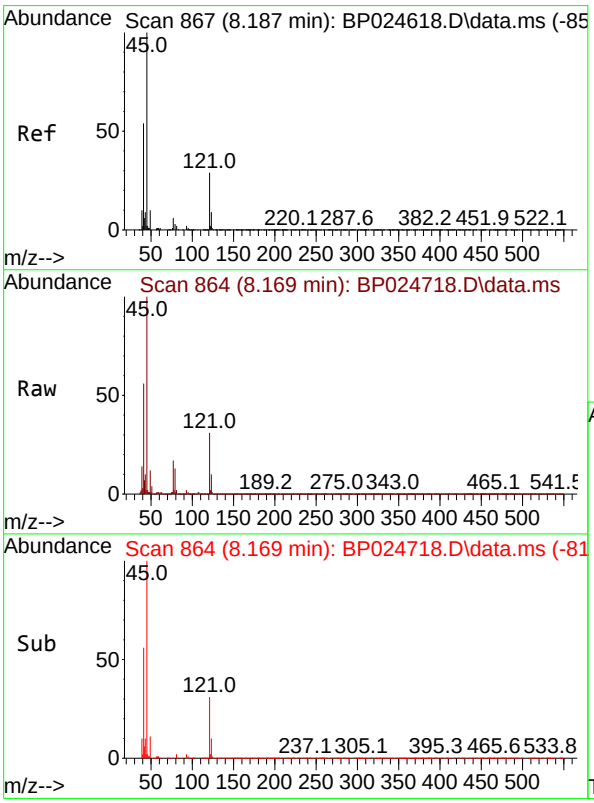
#15
Benzyl Alcohol
Concen: 36.812 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 230799

Ion	Ratio	Lower	Upper
79	100		
108	75.9	60.8	91.2
77	63.9	51.9	77.9

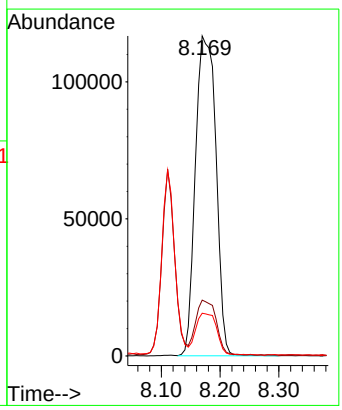


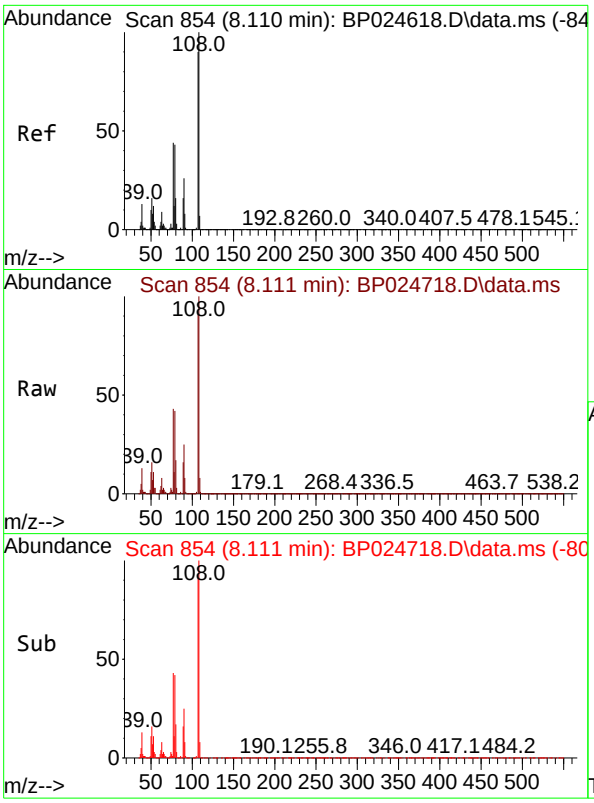


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.787 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 45 Resp: 283120

Ion	Ratio	Lower	Upper
45	100		
77	17.5	0.0	37.7
79	13.4	0.0	34.0



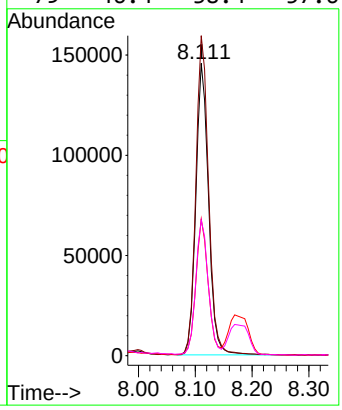


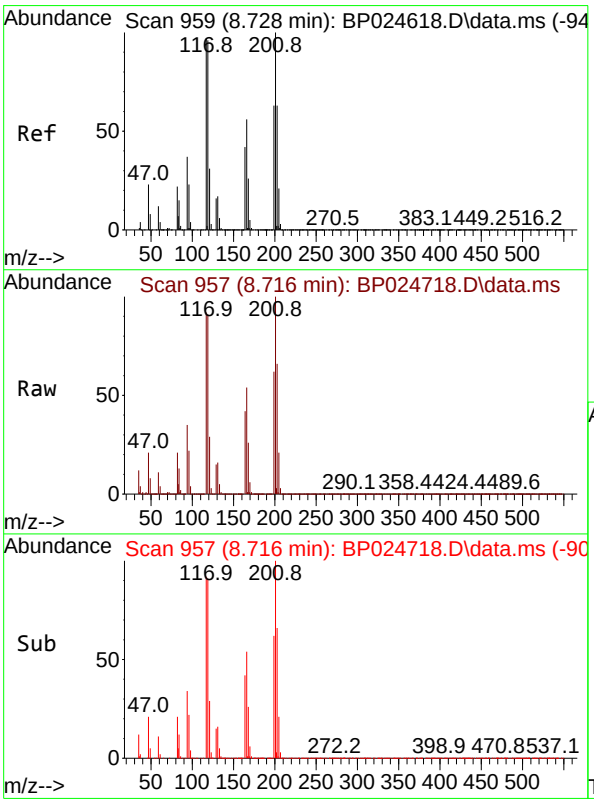
#17
2-Methylphenol
Concen: 37.108 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 226637

Ion	Ratio	Lower	Upper
107	100		
108	109.5	88.9	133.3
77	46.8	39.0	58.6
79	46.4	38.4	57.6

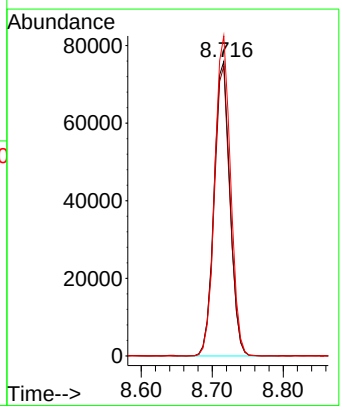


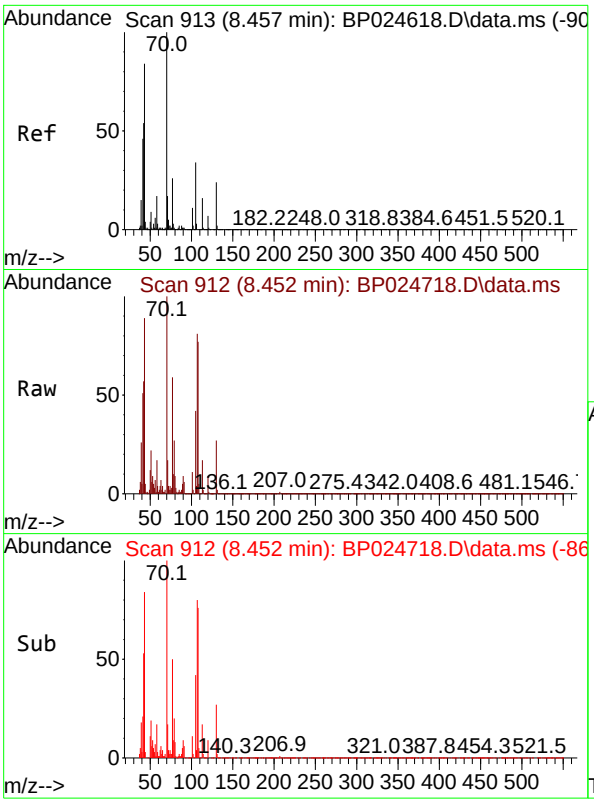


#18
Hexachloroethane
Concen: 36.268 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:117 Resp: 118020

Ion	Ratio	Lower	Upper
117	100		
119	98.4	79.4	119.0
201	108.7	82.7	124.1



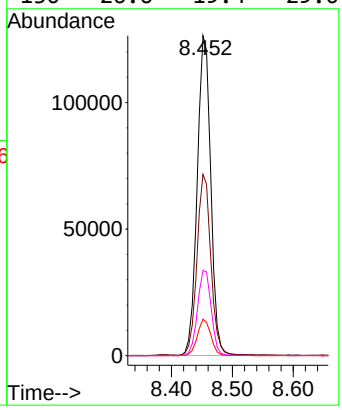


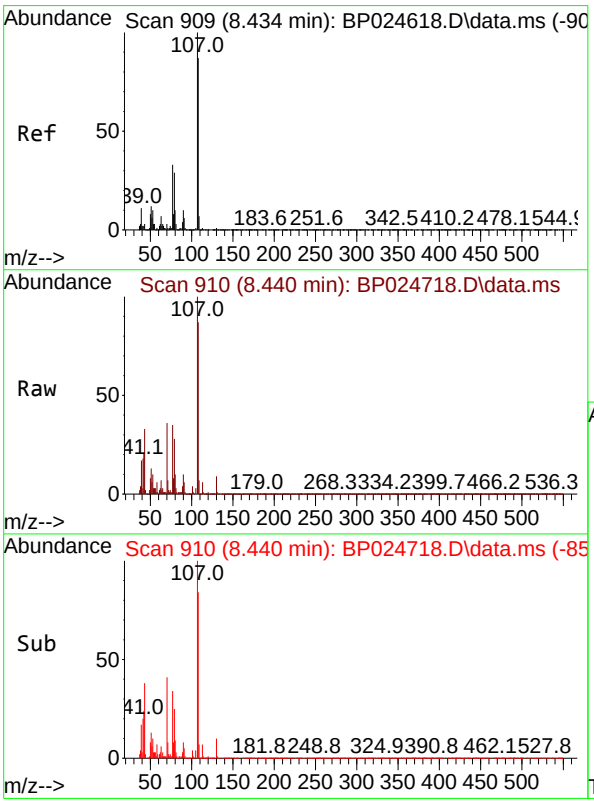
#19
n-Nitroso-di-n-propylamine
Concen: 34.163 ng
RT: 8.452 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 194970

Ion	Ratio	Lower	Upper
70	100		
42	56.7	43.0	64.6
101	11.4	8.7	13.1
130	26.6	19.4	29.0

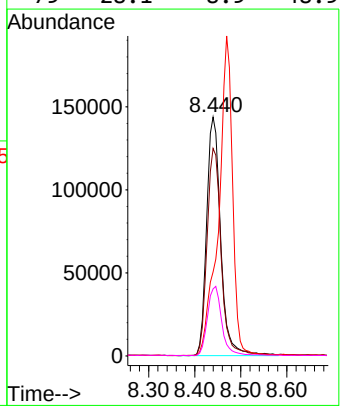


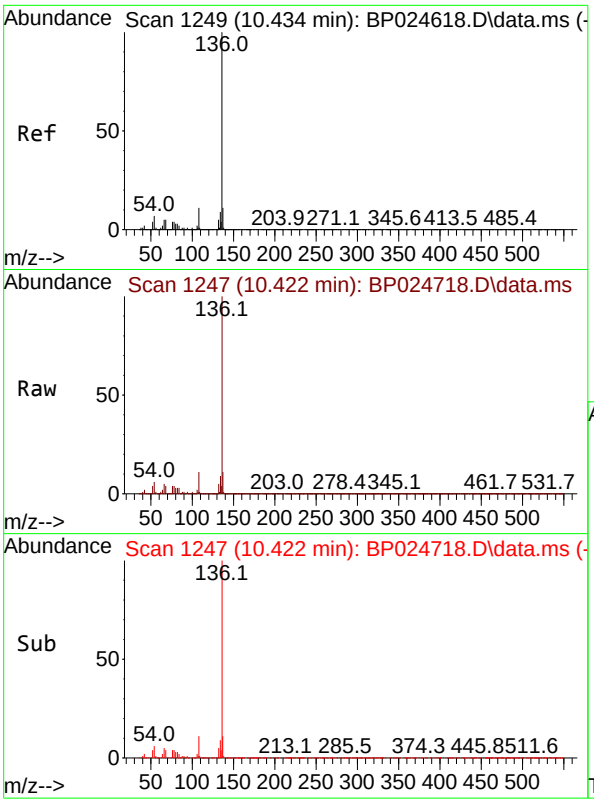


#20
3+4-Methylphenols
Concen: 36.887 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:107 Resp: 306454

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.7	106.7
77	35.2	13.1	53.1
79	28.1	8.9	48.9



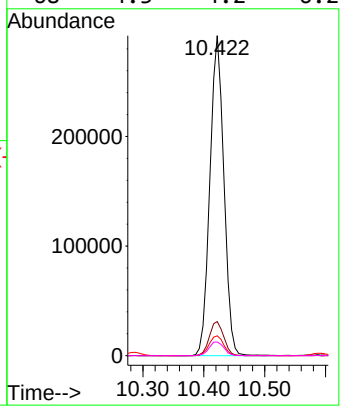


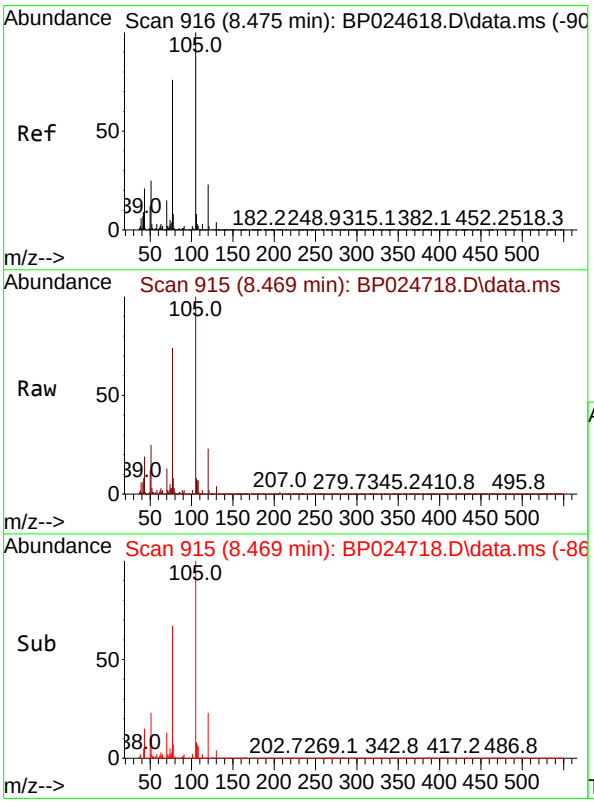
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 466131

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.2	5.5	8.3
68	4.3	4.2	6.2

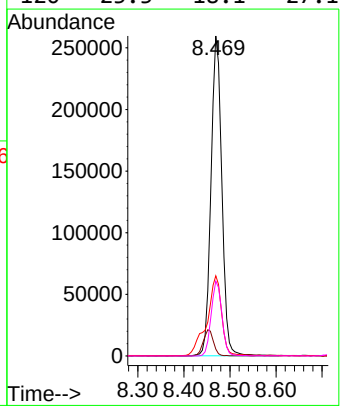


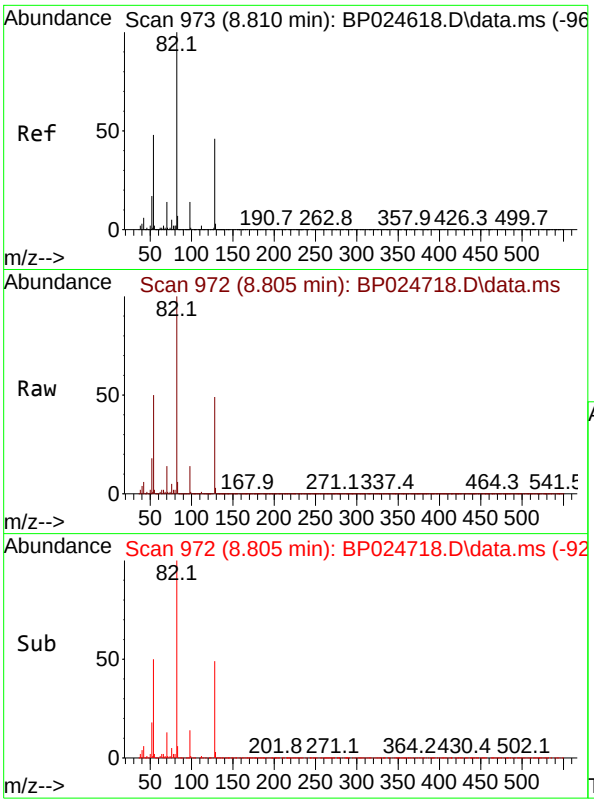


#22
Acetophenone
Concen: 36.567 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:105 Resp: 425773

Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.0	3.0
51	25.0	20.4	30.6
120	23.3	18.1	27.1



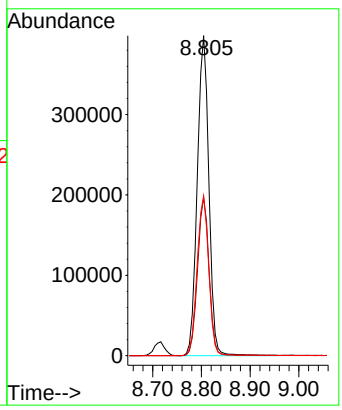


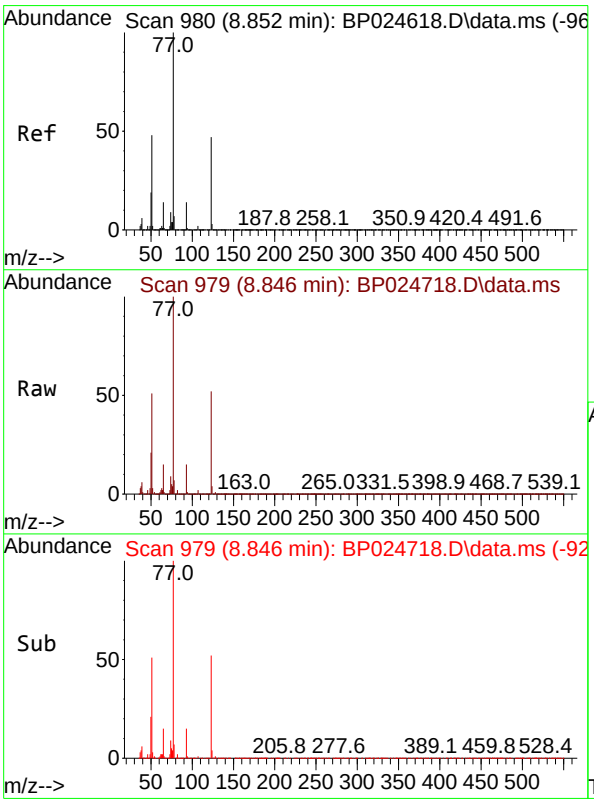
#23
Nitrobenzene-d5
Concen: 71.601 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 660558

Ion	Ratio	Lower	Upper
82	100		
128	49.3	37.0	55.4
54	49.9	38.7	58.1

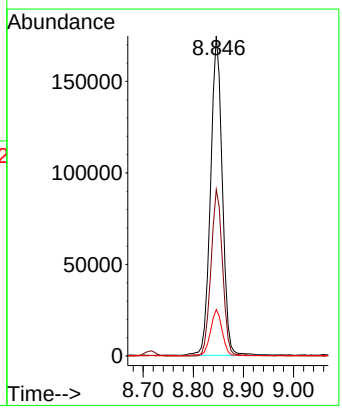


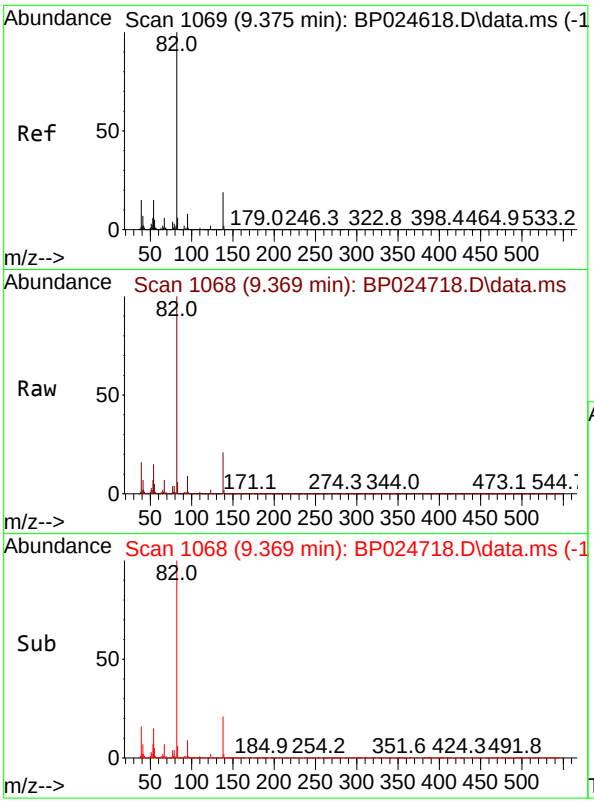


#24
Nitrobenzene
Concen: 34.974 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 77 Resp: 283935

Ion	Ratio	Lower	Upper
77	100		
123	52.0	37.4	56.0
65	14.5	11.3	16.9



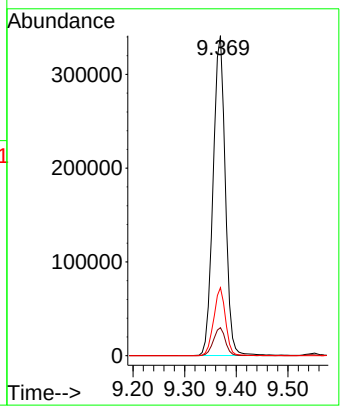


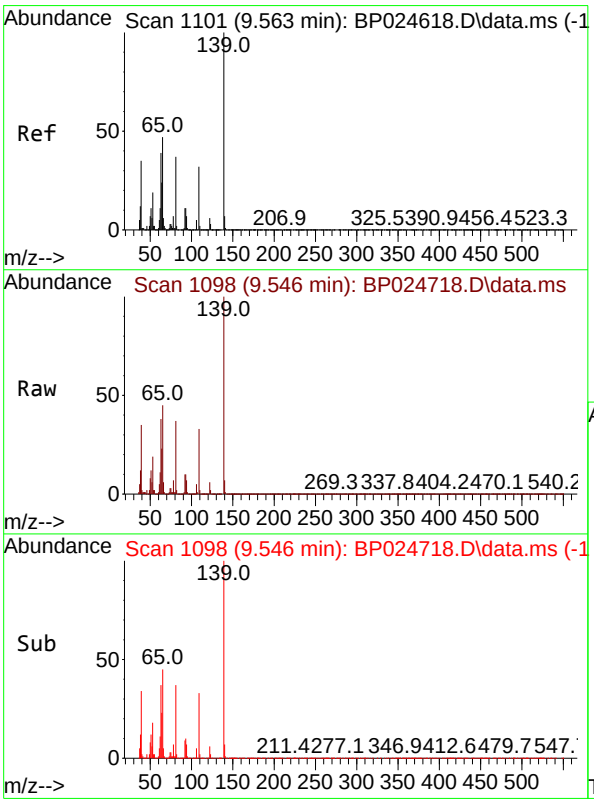
#25
Isophorone
Concen: 34.945 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 559210

Ion	Ratio	Lower	Upper
82	100		
95	8.8	6.3	9.5
138	21.2	15.3	22.9

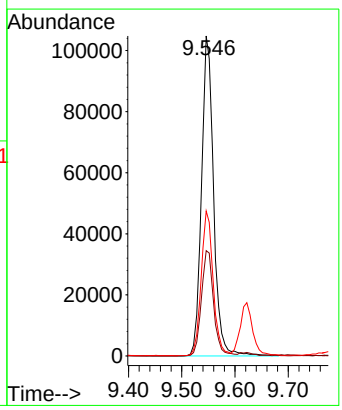


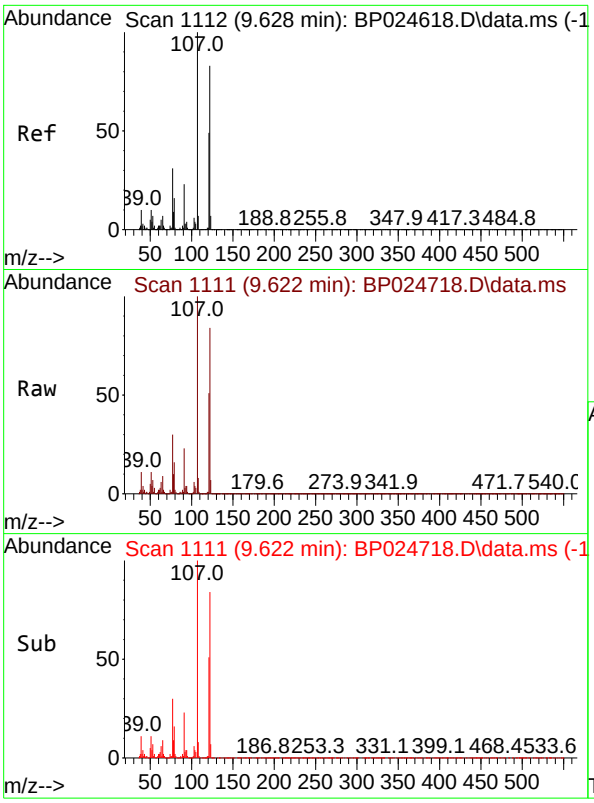


#26
2-Nitrophenol
Concen: 41.534 ng
RT: 9.546 min Scan# 1098
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:139 Resp: 165233

Ion	Ratio	Lower	Upper
139	100		
109	32.9	25.9	38.9
65	45.3	37.9	56.9



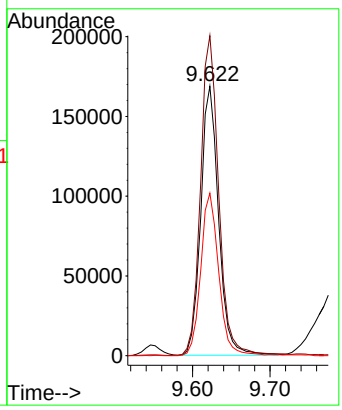


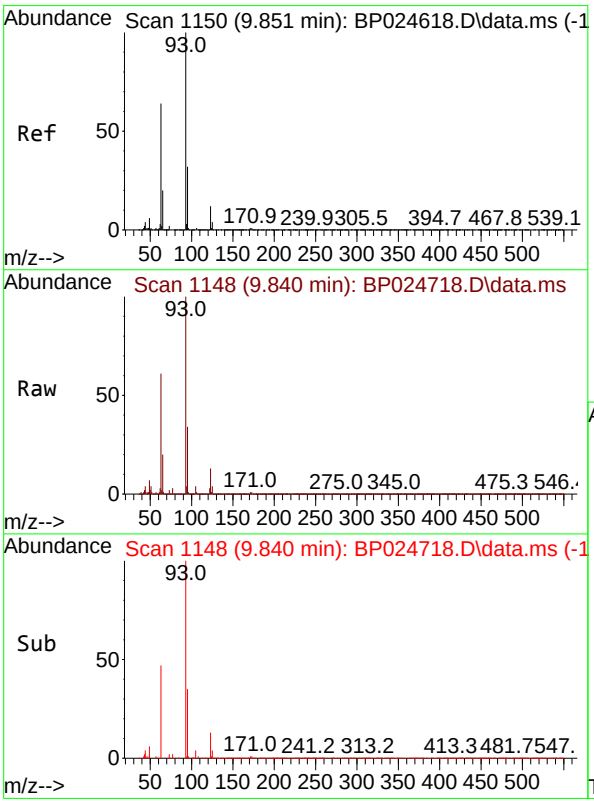
#27
2,4-Dimethylphenol
Concen: 38.501 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 270045

Ion	Ratio	Lower	Upper
122	100		
107	118.8	96.2	144.2
121	60.4	47.6	71.4

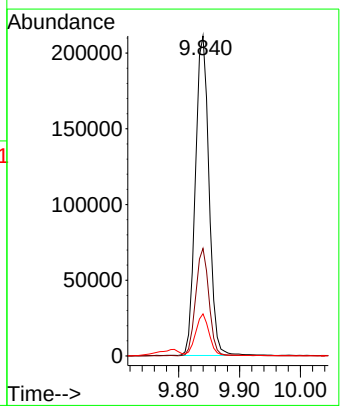


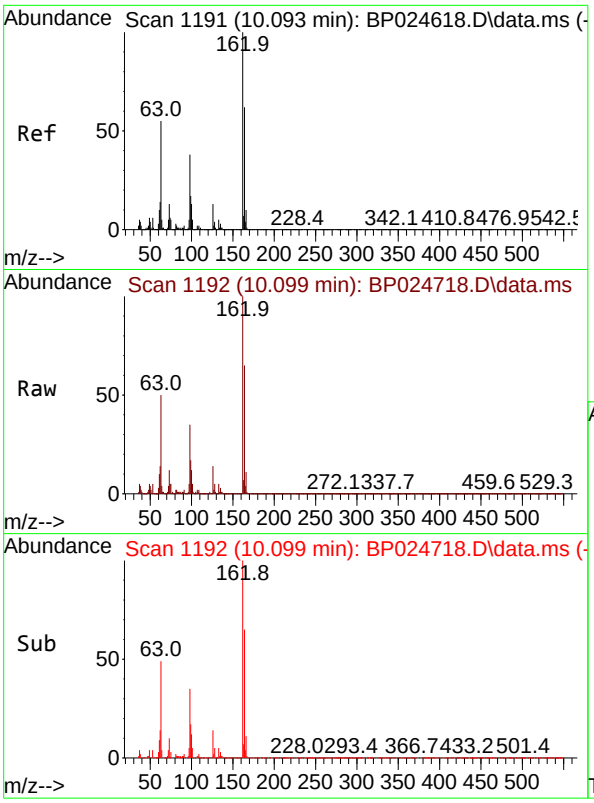


#28
bis(2-Chloroethoxy)methane
Concen: 34.237 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 93 Resp: 327325

Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.5	38.3
123	13.2	9.7	14.5



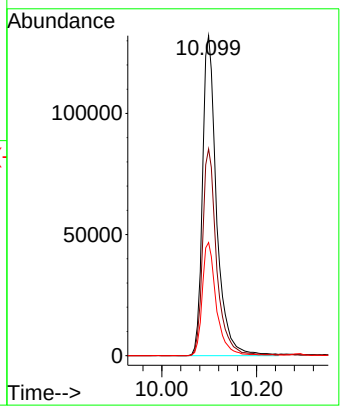


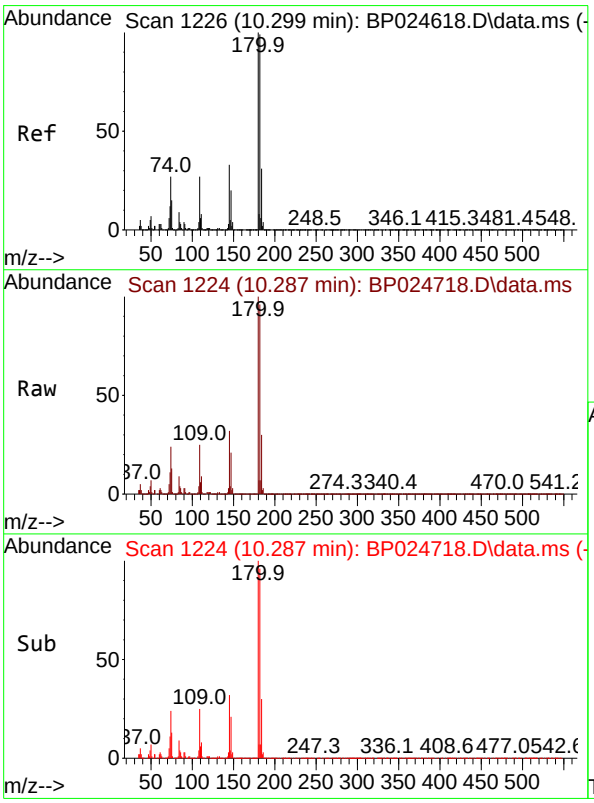
#29
2,4-Dichlorophenol
Concen: 40.085 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 272454

Ion	Ratio	Lower	Upper
162	100		
164	64.6	42.3	82.3
98	35.4	18.4	58.4

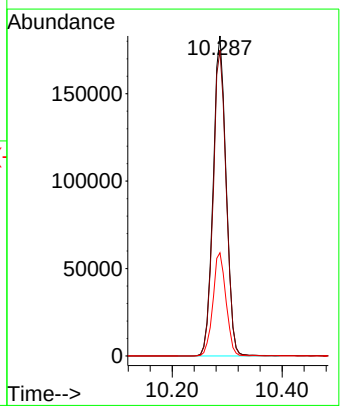


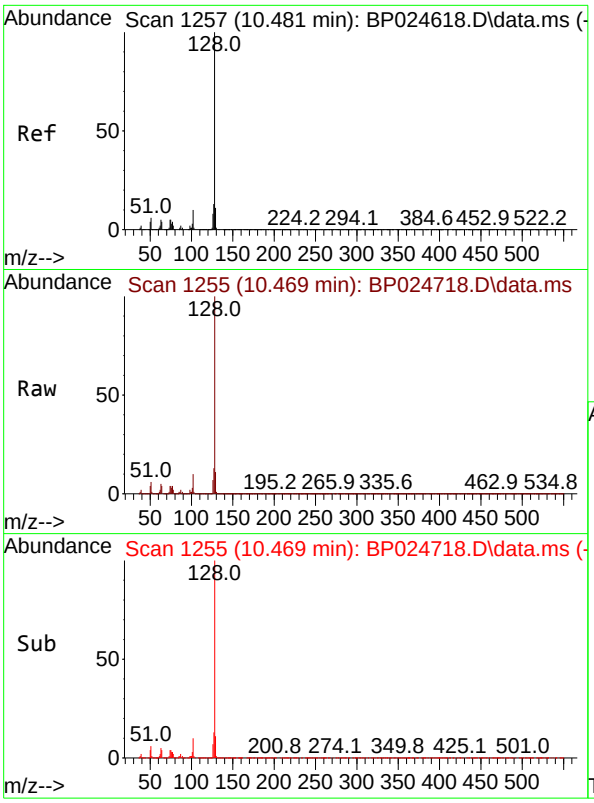


#30
1,2,4-Trichlorobenzene
Concen: 39.166 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:180 Resp: 299985

Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.0	118.4
145	32.2	26.6	39.8



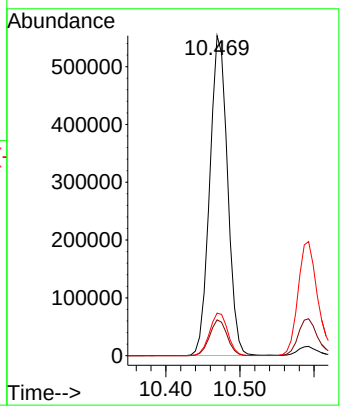


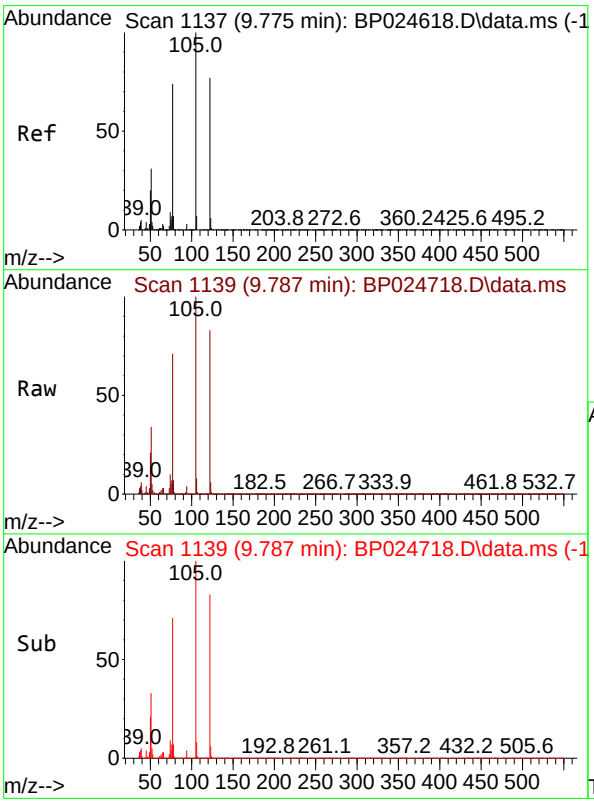
#31
Naphthalene
Concen: 38.195 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 922608

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.3	10.7	16.1

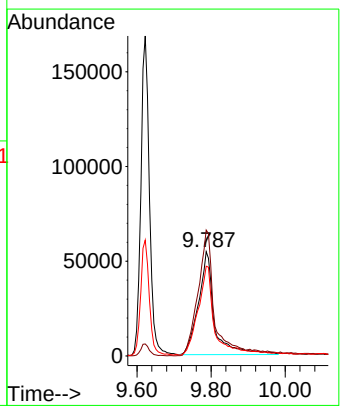


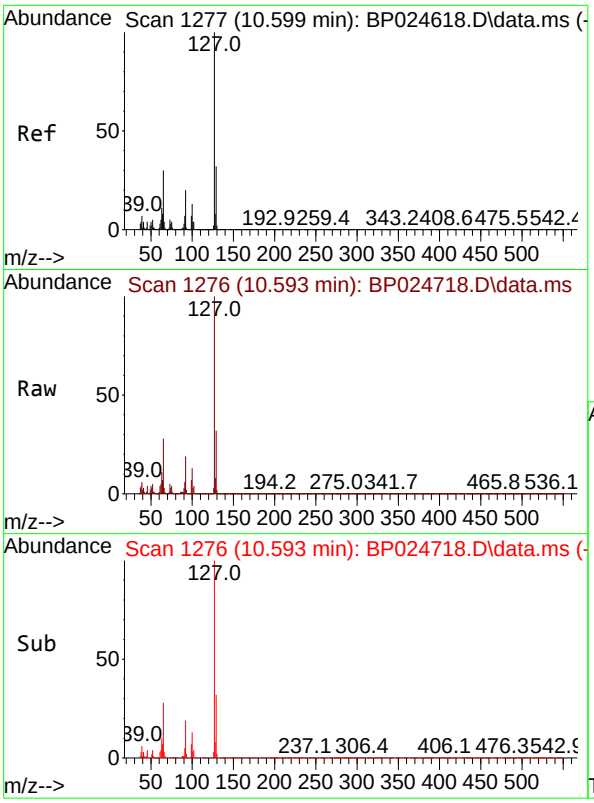


#32
Benzoic acid
Concen: 35.667 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:122 Resp: 163060

Ion	Ratio	Lower	Upper
122	100		
105	120.7	106.9	146.9
77	86.1	75.1	115.1



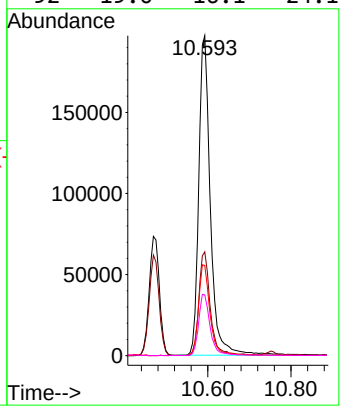


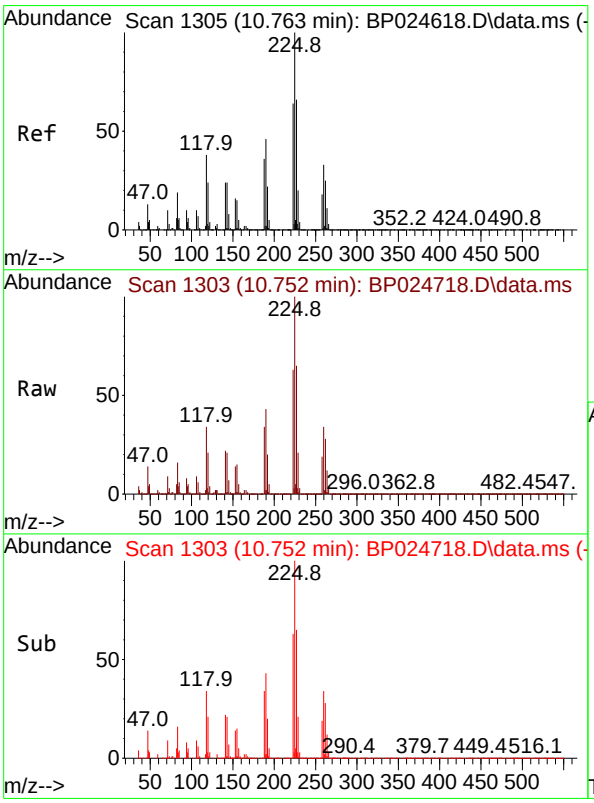
#33
4-Chloroaniline
Concen: 39.153 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 381633

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	28.2	23.9	35.9
92	19.0	16.1	24.1

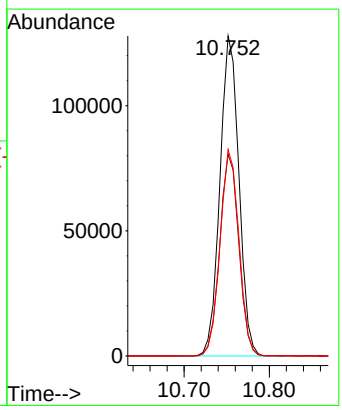


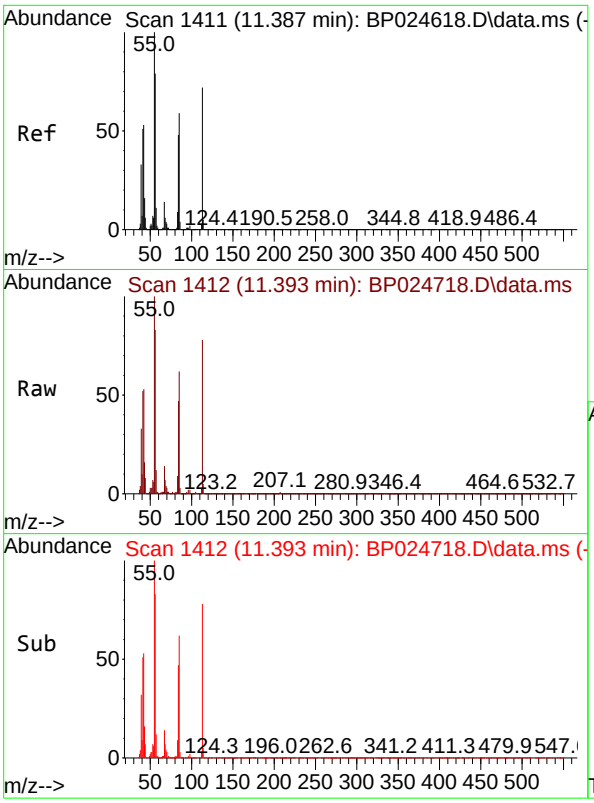


#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:225 Resp: 198098

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	64.5	53.1	79.7



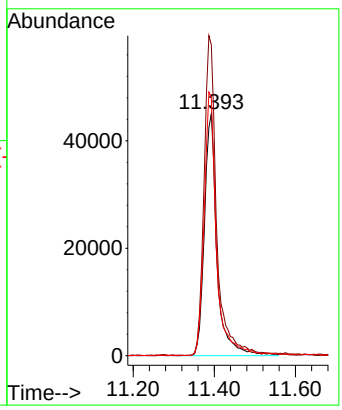


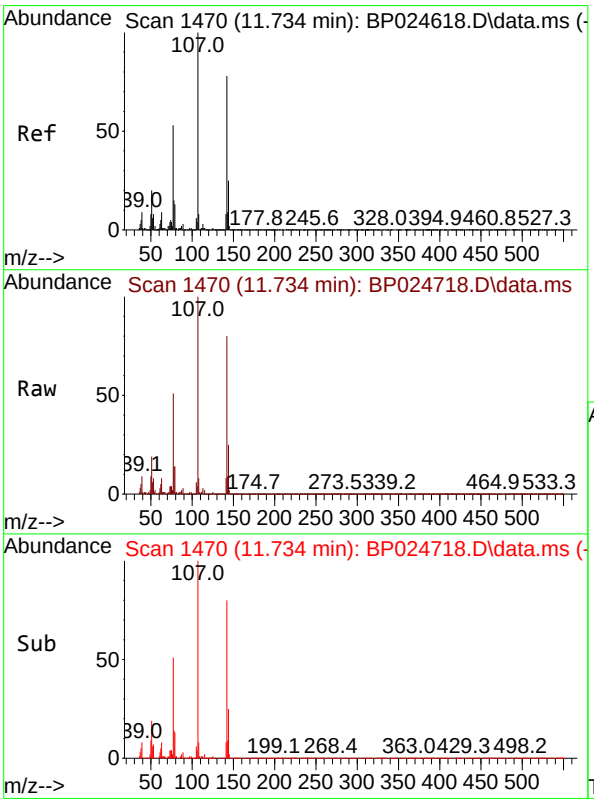
#35
Caprolactam
Concen: 39.146 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 96266

Ion	Ratio	Lower	Upper
113	100		
55	128.6	119.0	159.0
56	106.9	90.3	130.3

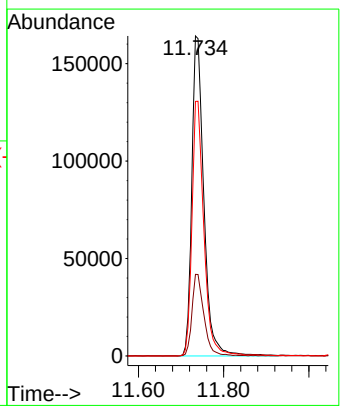


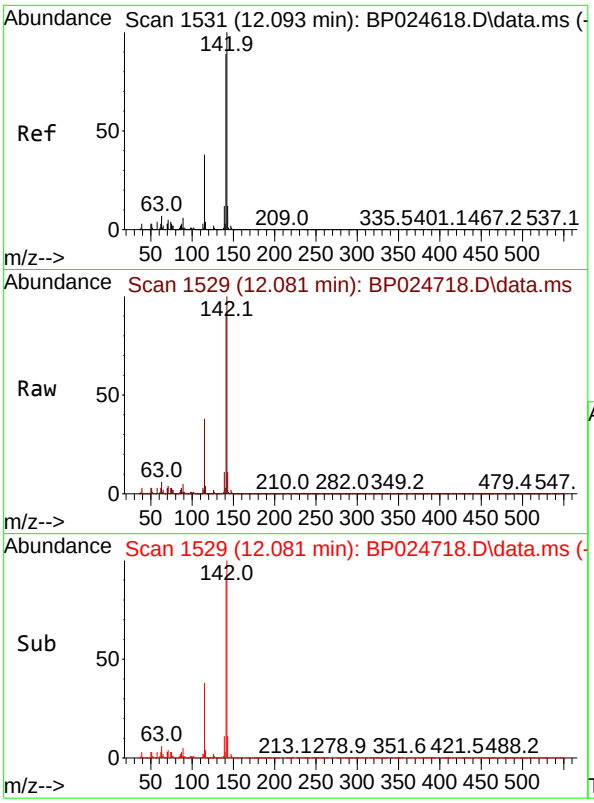


#36
4-Chloro-3-methylphenol
Concen: 38.826 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:107 Resp: 321821

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.1	30.1
142	79.6	62.1	93.1



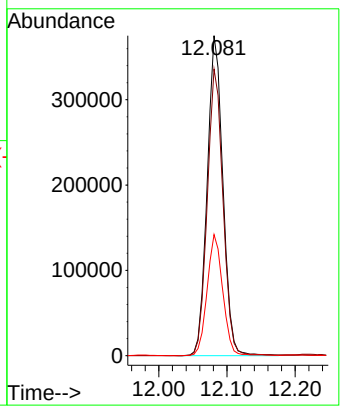


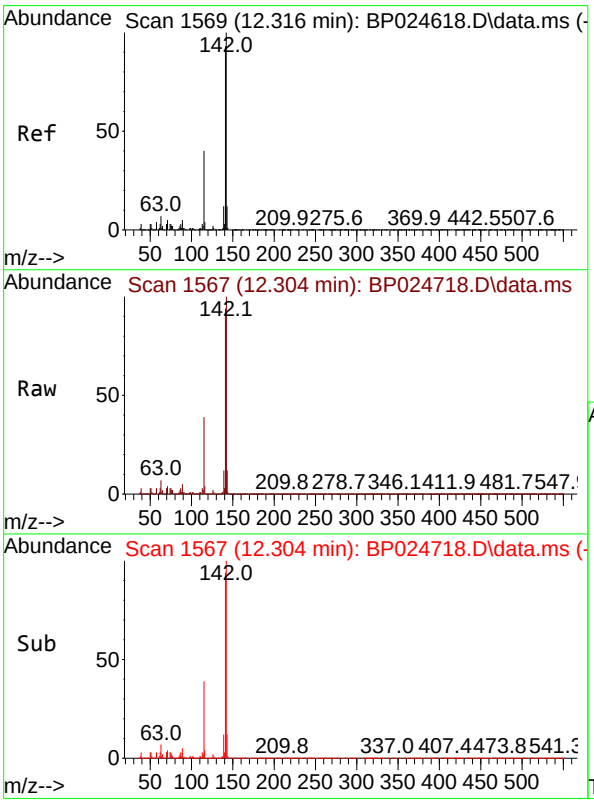
#37
2-Methylnaphthalene
Concen: 38.402 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 600646

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8
115	37.9	30.6	46.0

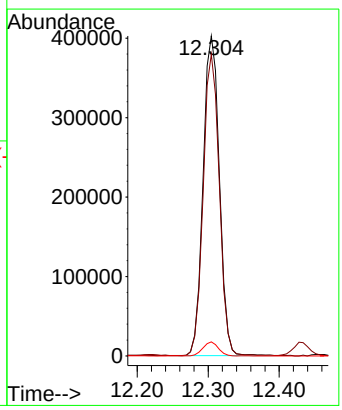


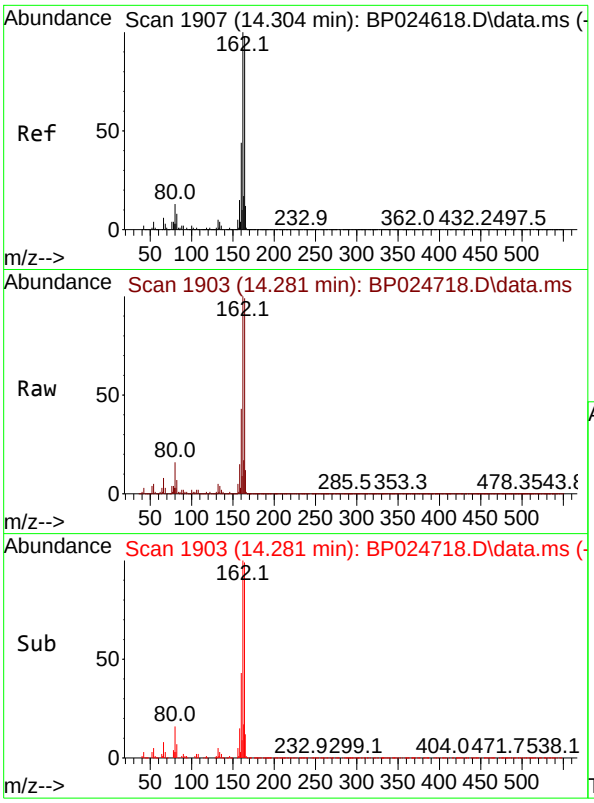


#38
1-Methylnaphthalene
Concen: 38.364 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:142 Resp: 642025

Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.7	112.1
116	4.4	3.4	5.2



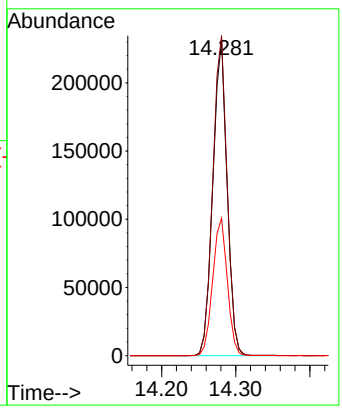


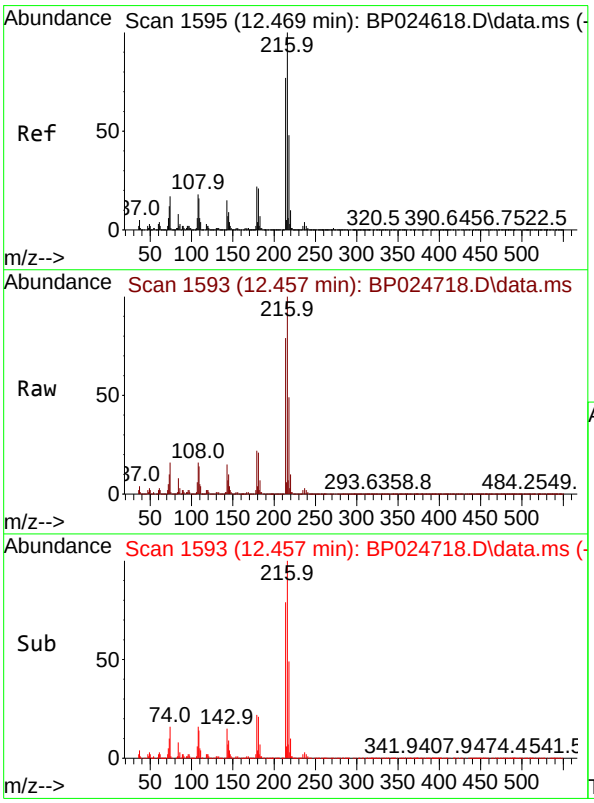
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 307619

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	43.5	36.3	54.5

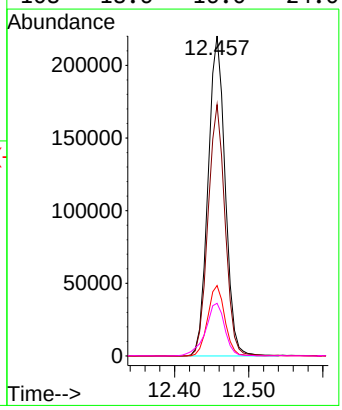


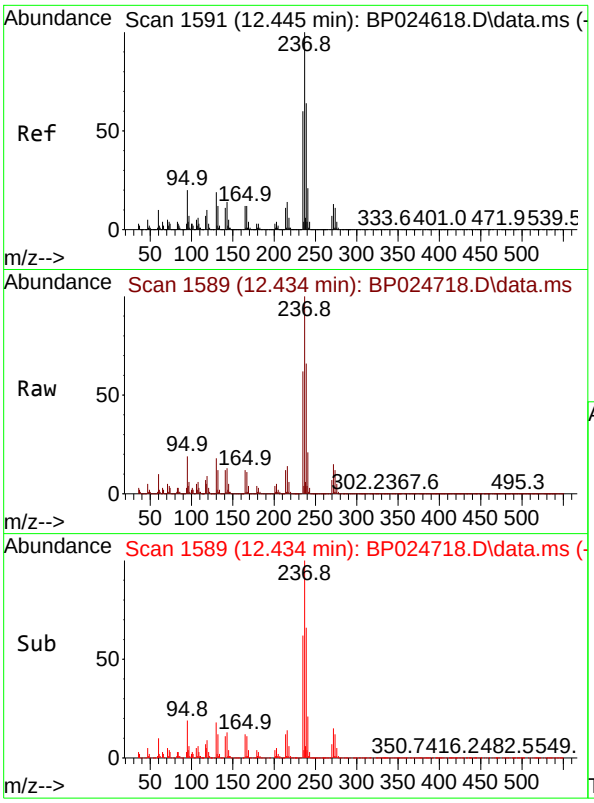


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.405 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:216 Resp: 352005

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.1	17.7	26.5
108	18.6	16.0	24.0



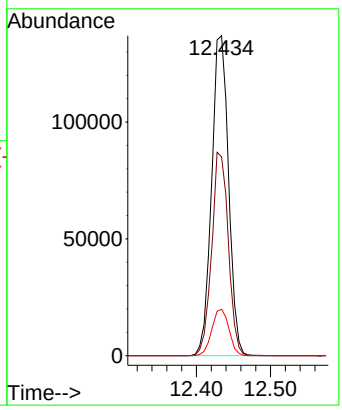


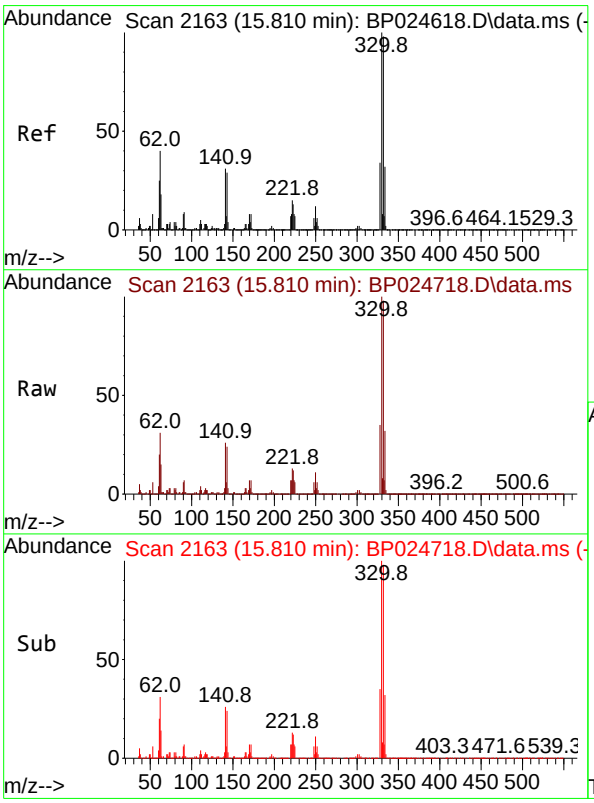
#41
Hexachlorocyclopentadiene
Concen: 40.091 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 217156

Ion	Ratio	Lower	Upper
237	100		
235	62.1	39.9	79.9
272	14.5	0.0	33.2

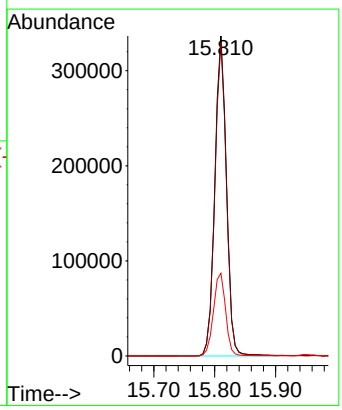


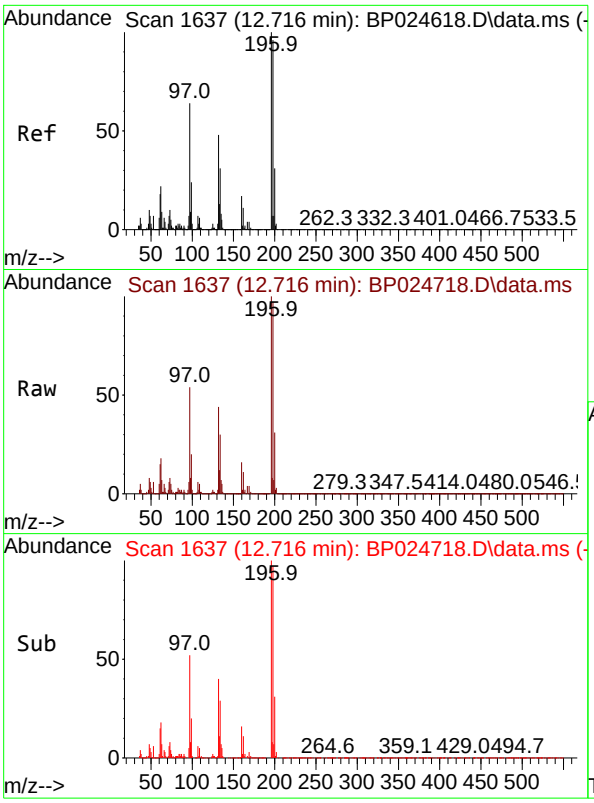


#42
2,4,6-Tribromophenol
Concen: 85.567 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:330 Resp: 446232

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.2	117.4
141	27.1	24.3	36.5



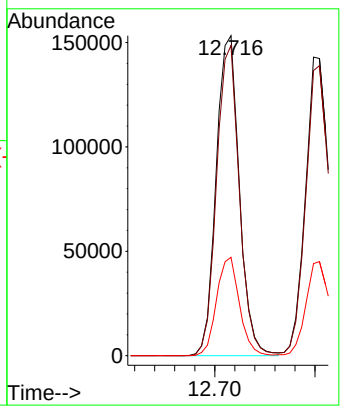


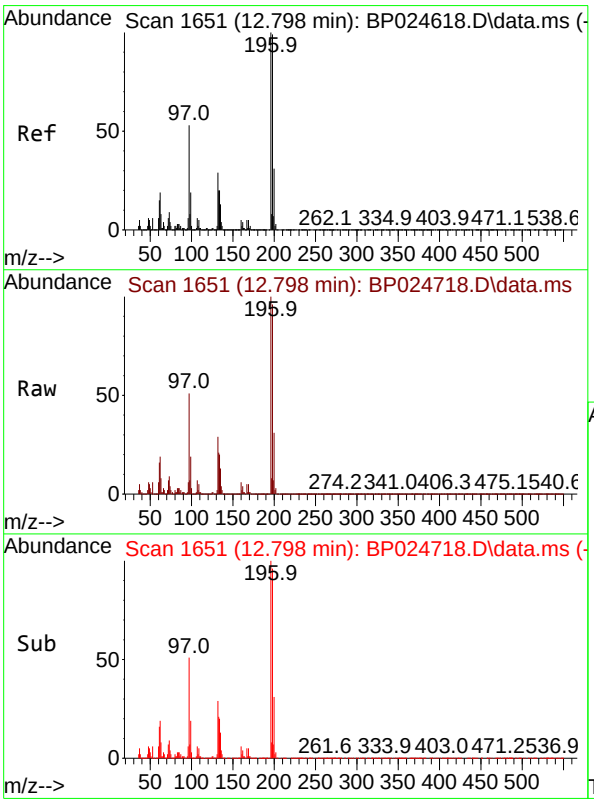
#43
2,4,6-Trichlorophenol
Concen: 42.455 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 245643

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.9	115.3
200	30.8	25.2	37.8

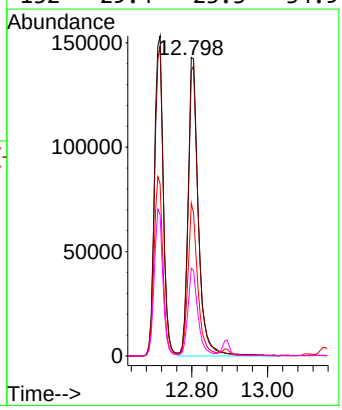


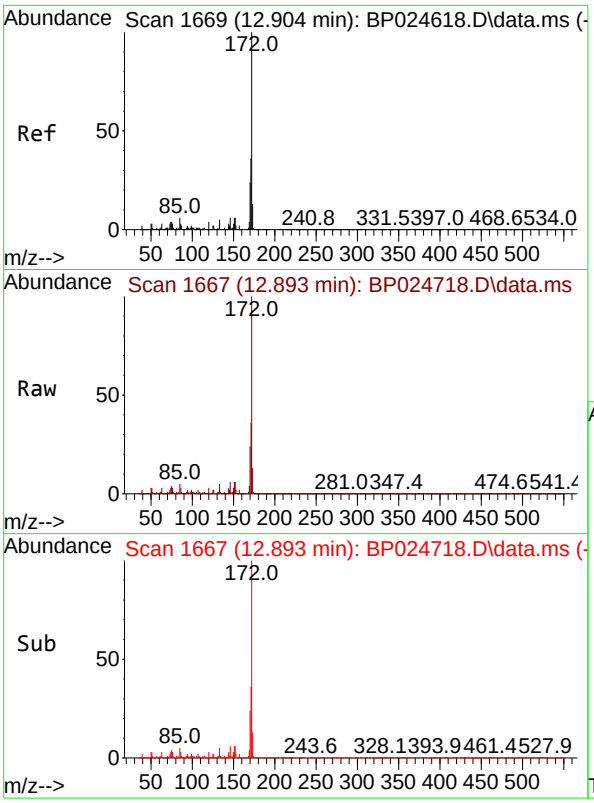


#44
2,4,5-Trichlorophenol
Concen: 41.995 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:196 Resp: 270471

Ion	Ratio	Lower	Upper
196	100		
198	95.5	79.2	118.8
97	51.3	42.3	63.5
132	29.4	23.3	34.9



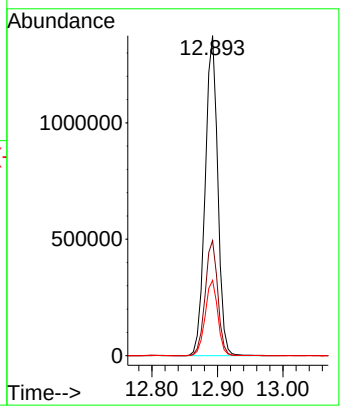


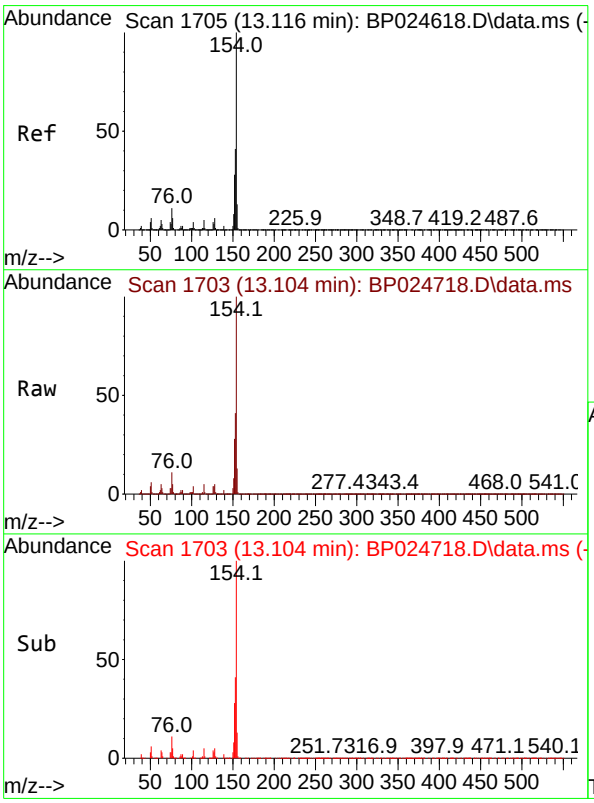
#45
2-Fluorobiphenyl
Concen: 78.240 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1837081

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	18.8	28.2

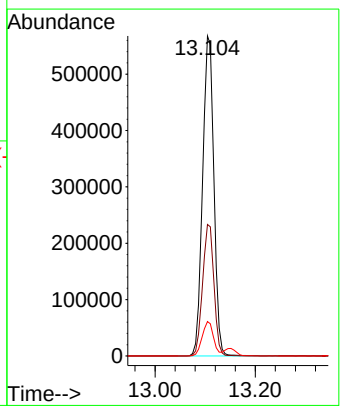


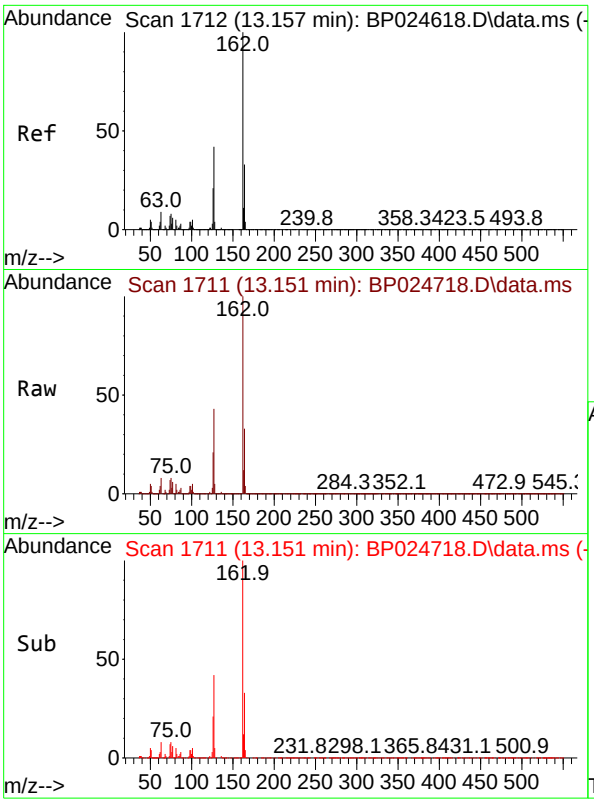


#46
1,1'-Biphenyl
Concen: 39.030 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:154 Resp: 887407

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	10.8	0.0	31.5



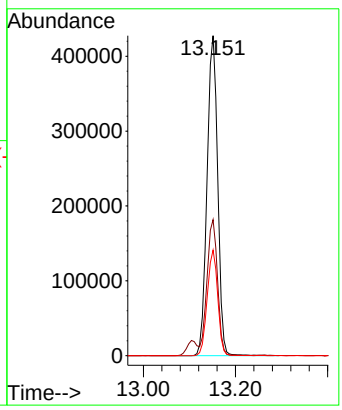


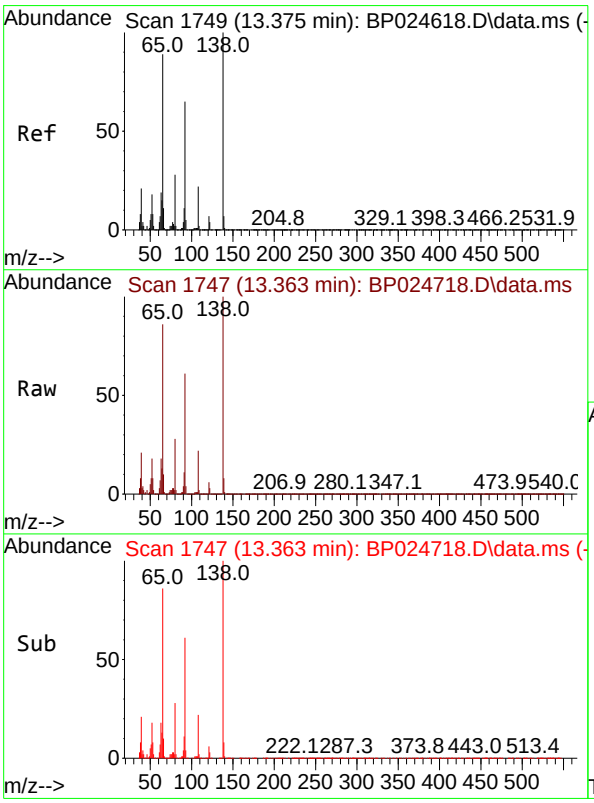
#47
2-Chloronaphthalene
Concen: 39.767 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 689395

Ion	Ratio	Lower	Upper
162	100		
127	42.5	33.8	50.6
164	33.0	26.0	39.0

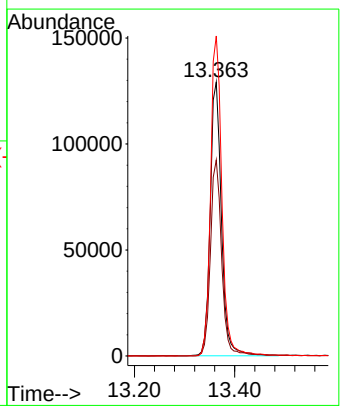


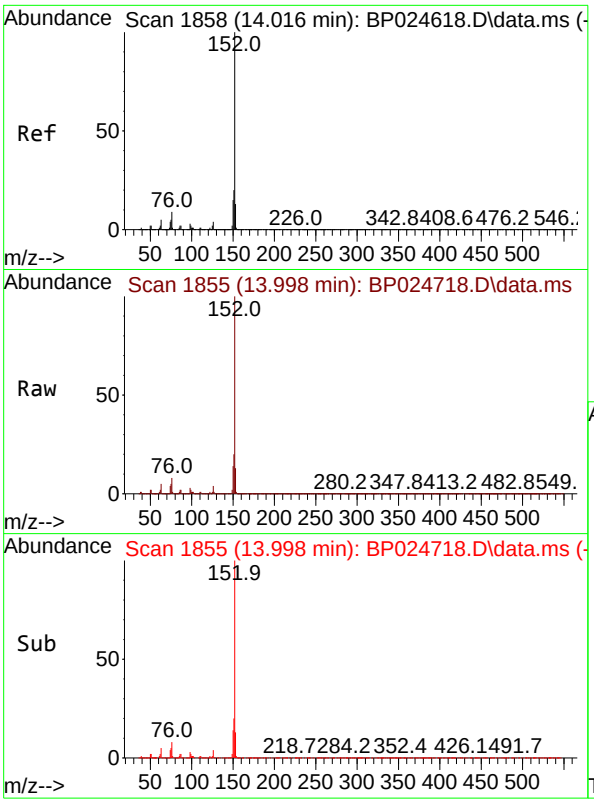


#48
2-Nitroaniline
Concen: 39.247 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 65 Resp: 201432

Ion	Ratio	Lower	Upper
65	100		
92	71.6	58.7	88.1
138	116.8	90.2	135.2



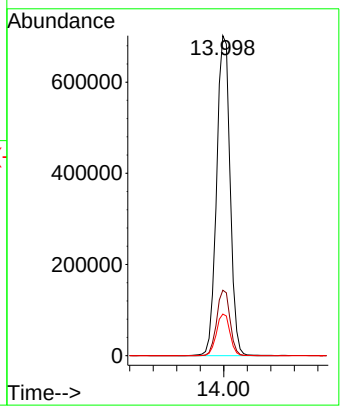


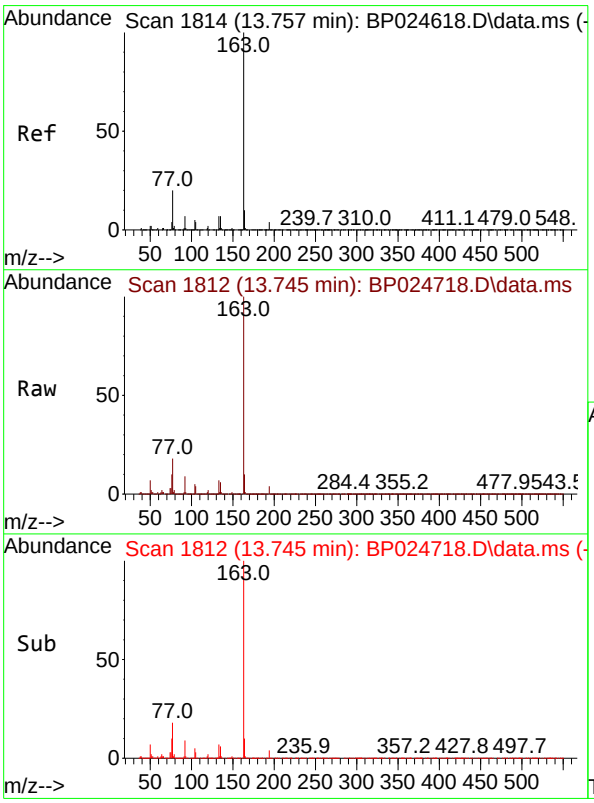
#49
Acenaphthylene
Concen: 38.344 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1112406

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	13.0	10.2	15.4

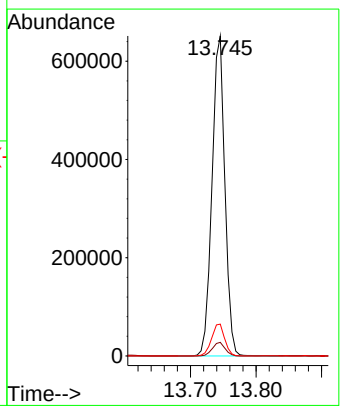


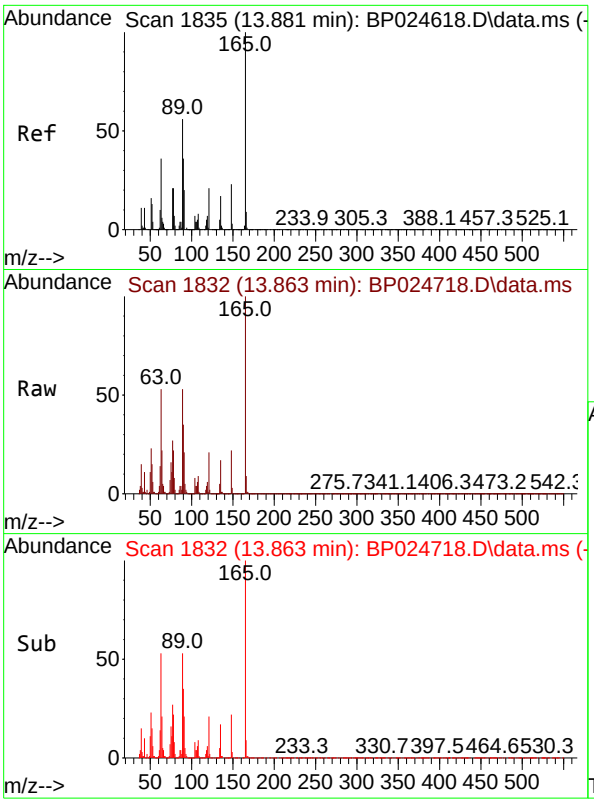


#50
Dimethylphthalate
Concen: 37.801 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:163 Resp: 886318

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.1	12.1



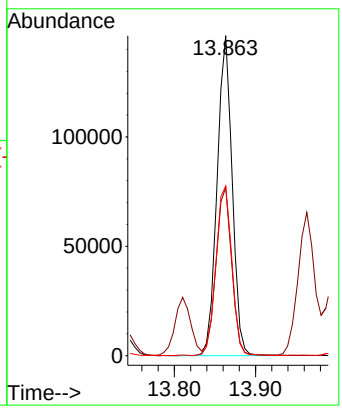


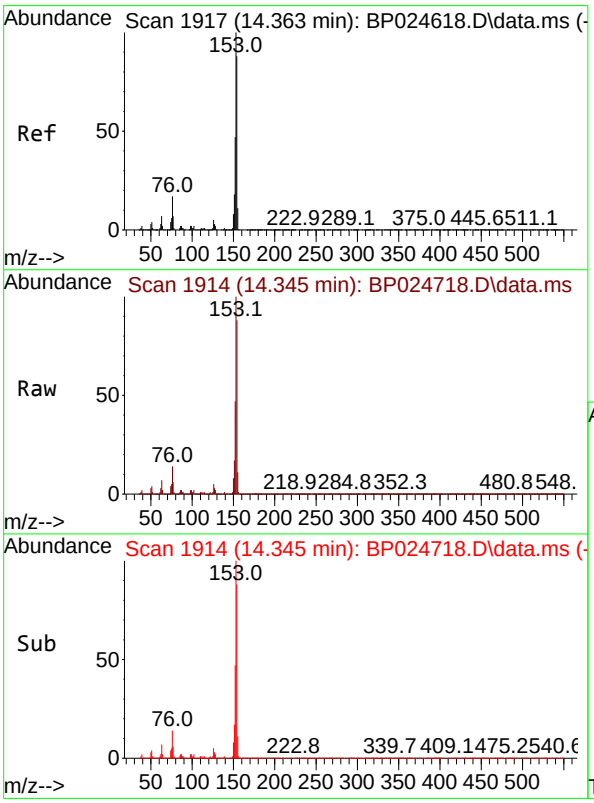
#51
2,6-Dinitrotoluene
Concen: 38.189 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 189104

Ion	Ratio	Lower	Upper
165	100		
63	52.6	42.4	63.6
89	53.1	44.8	67.2

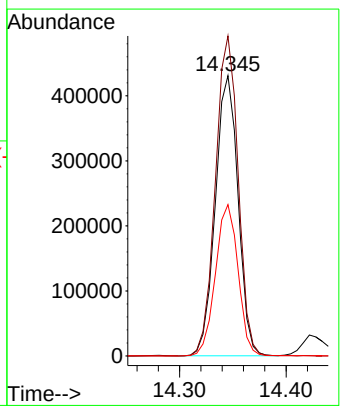


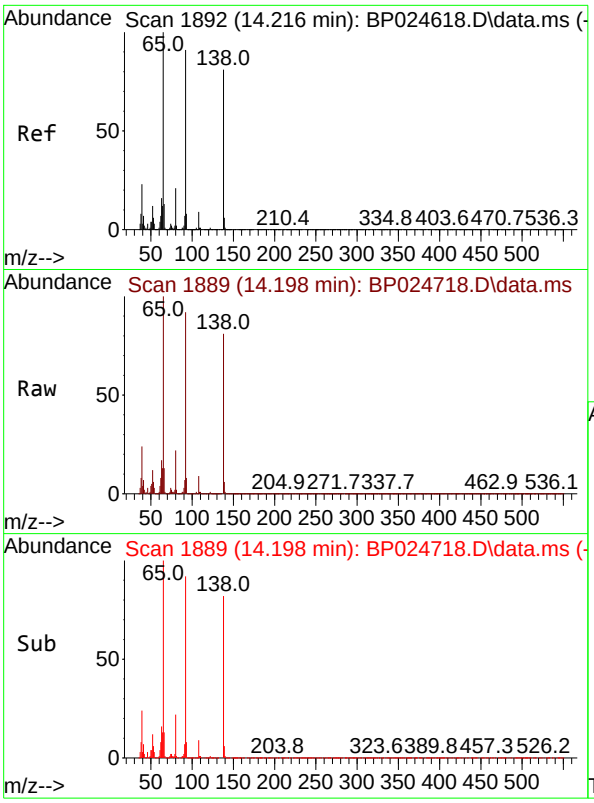


#52
Acenaphthene
Concen: 38.281 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:154 Resp: 638458

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.0	136.4
152	54.0	42.9	64.3



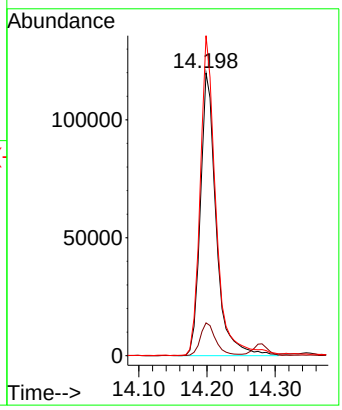


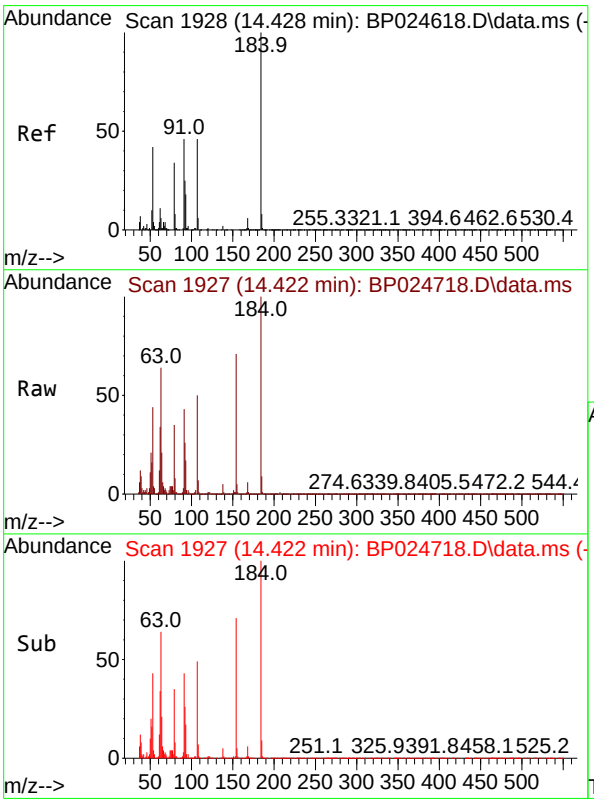
#53
3-Nitroaniline
Concen: 38.181 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 193051

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.0	13.4
92	113.2	90.1	135.1

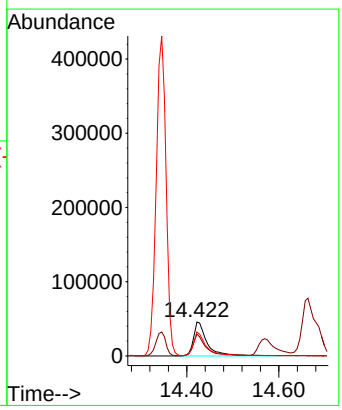


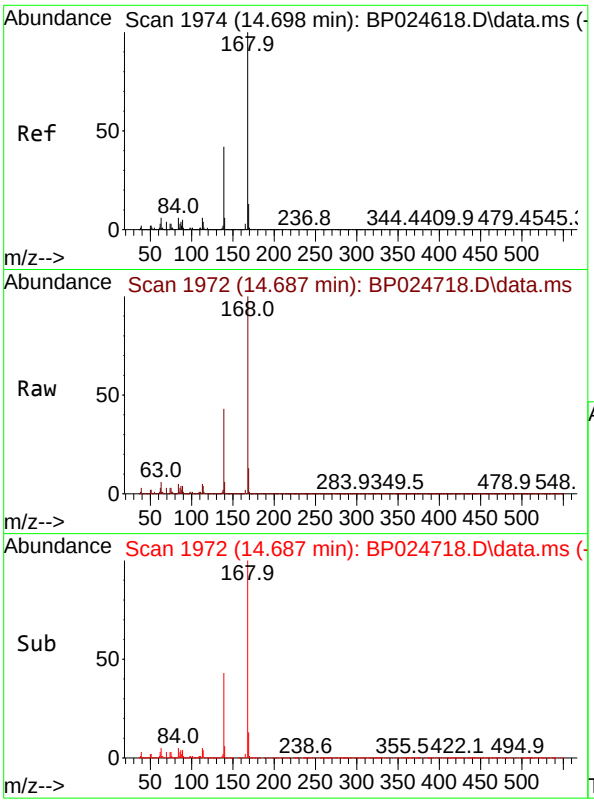


#54
2,4-Dinitrophenol
Concen: 34.279 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:184 Resp: 94621

Ion	Ratio	Lower	Upper
184	100		
63	64.5	51.3	76.9
154	70.5	53.5	80.3



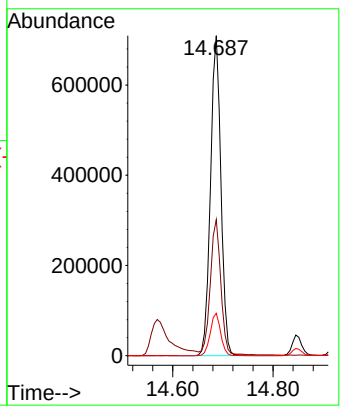


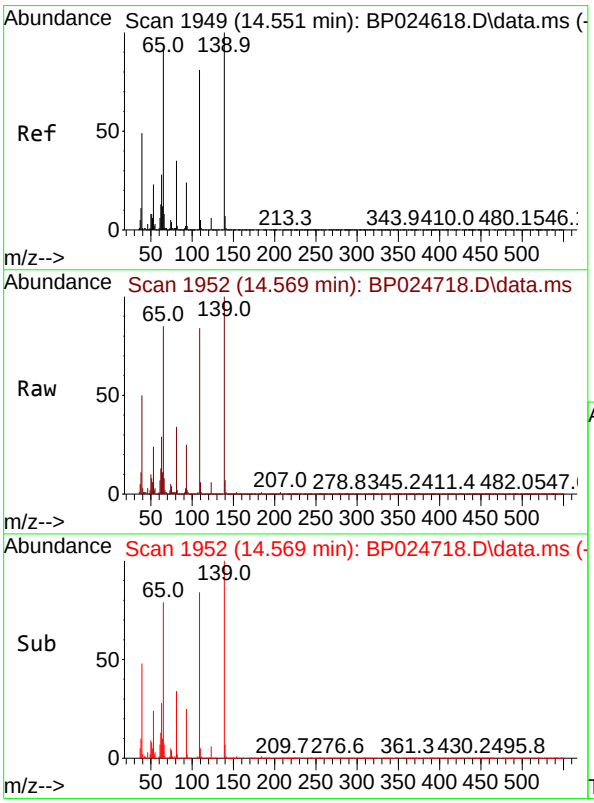
#55
Dibenzofuran
Concen: 38.480 ng
RT: 14.687 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1023680

Ion	Ratio	Lower	Upper
168	100		
139	42.5	34.2	51.4
169	13.2	10.8	16.2

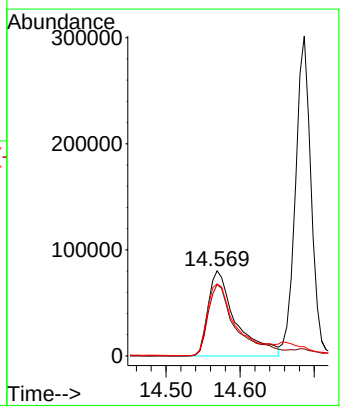


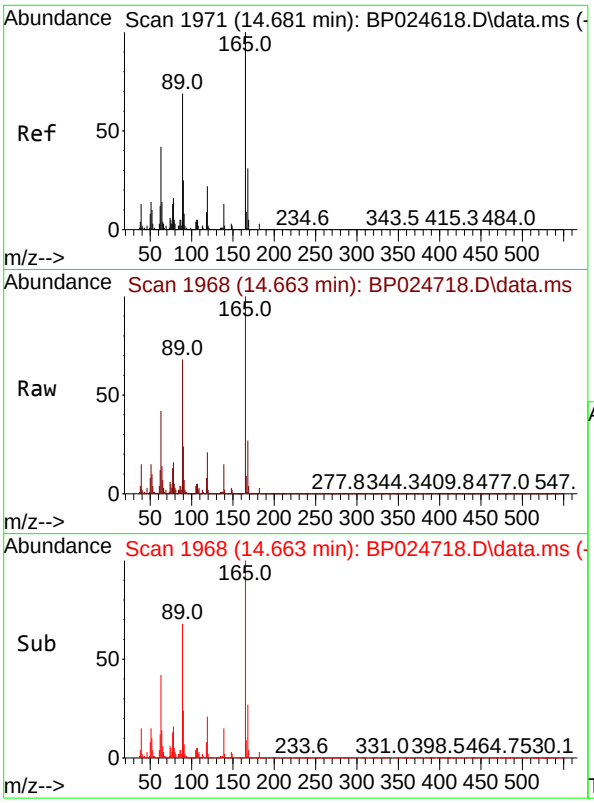


#56
4-Nitrophenol
Concen: 49.318 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:139 Resp: 208380

Ion	Ratio	Lower	Upper
139	100		
109	83.9	61.4	101.4
65	84.6	72.2	112.2



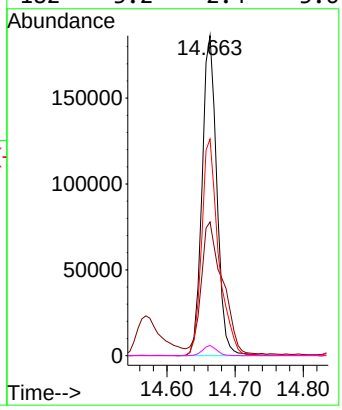


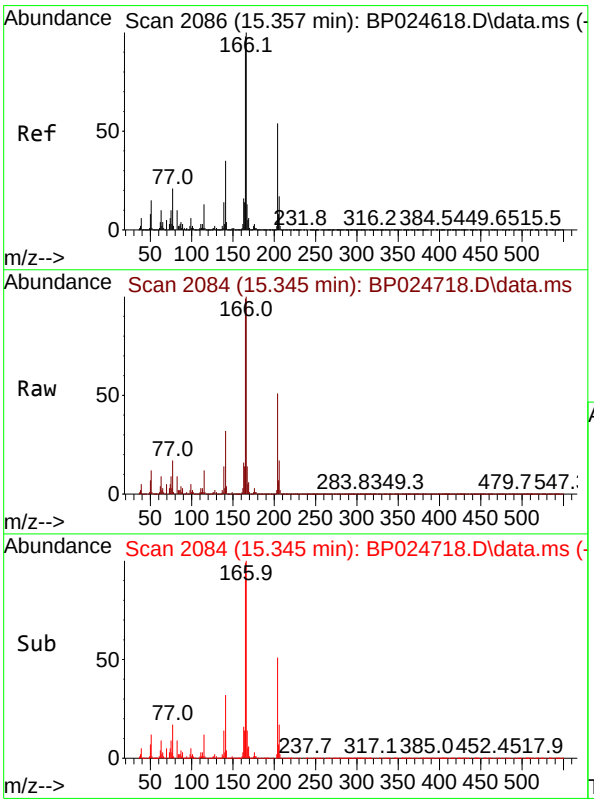
#57
2,4-Dinitrotoluene
Concen: 40.118 ng
RT: 14.663 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 280073

Ion	Ratio	Lower	Upper
165	100		
63	41.8	33.8	50.6
89	67.7	55.6	83.4
182	3.2	2.4	3.6

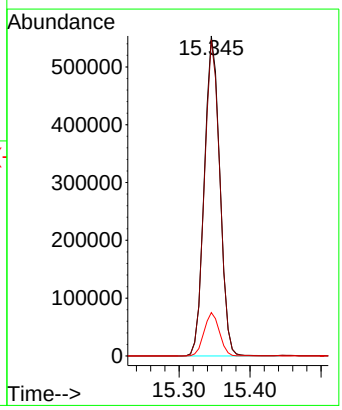


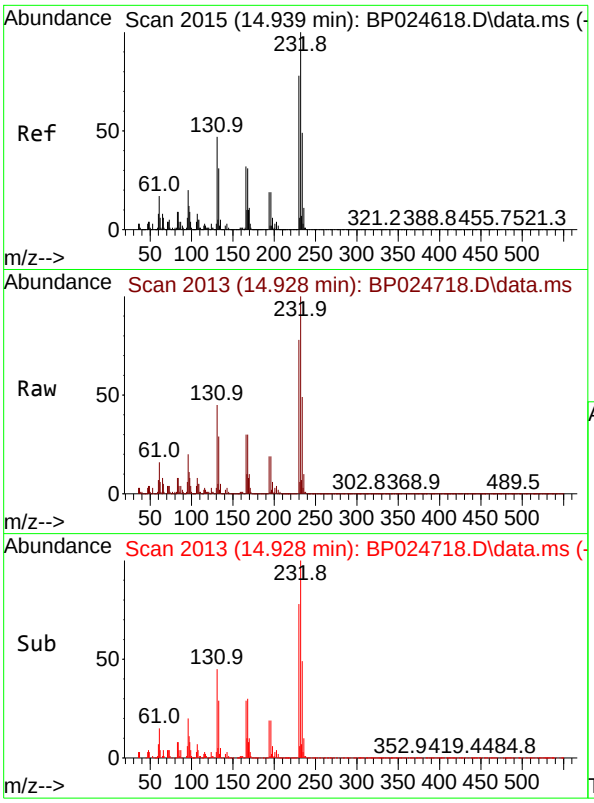


#58
Fluorene
Concen: 38.752 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:166 Resp: 840603

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.5	10.7	16.1



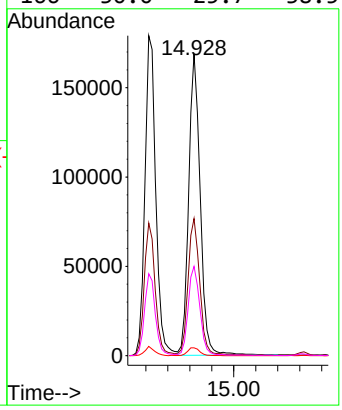


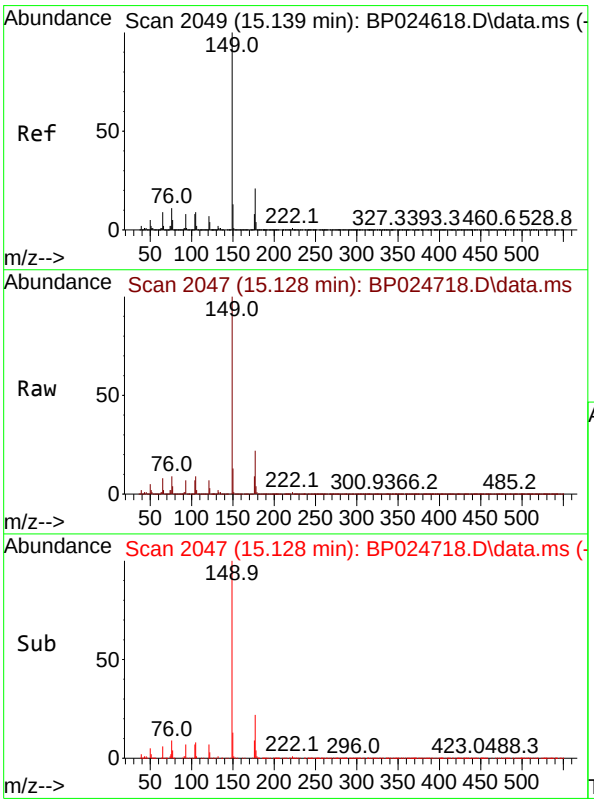
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.990 ng
RT: 14.928 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 244897

Ion	Ratio	Lower	Upper
232	100		
131	45.7	39.5	59.3
130	2.8	2.2	3.4
166	30.0	25.7	38.5

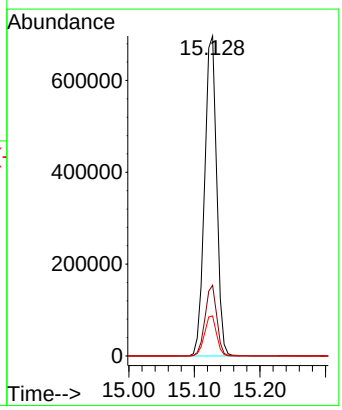


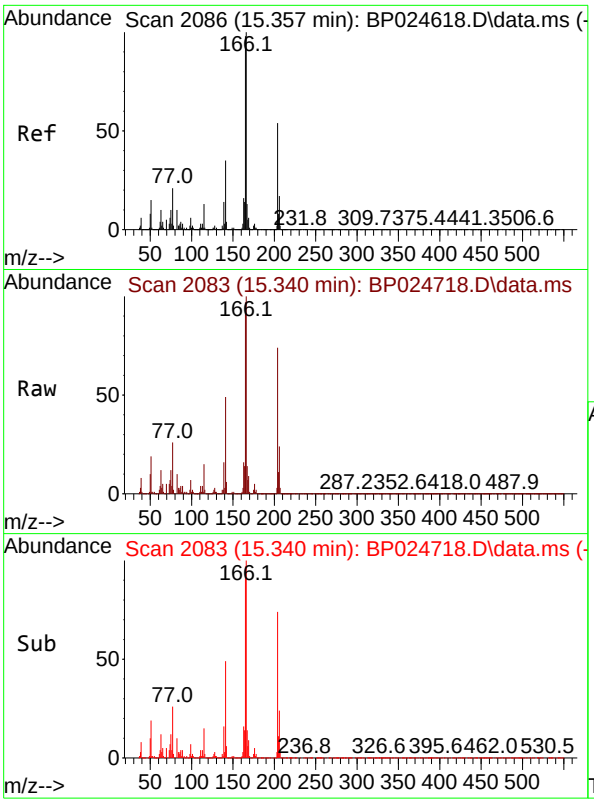


#60
Diethylphthalate
Concen: 37.754 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 894699

Ion	Ratio	Lower	Upper
149	100		
177	22.1	16.7	25.1
150	12.5	10.2	15.2



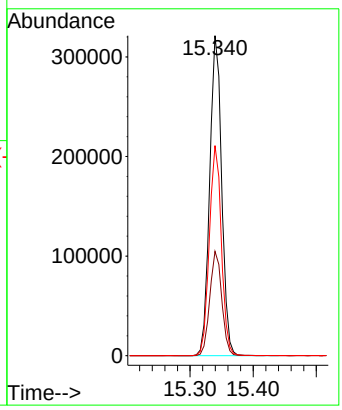


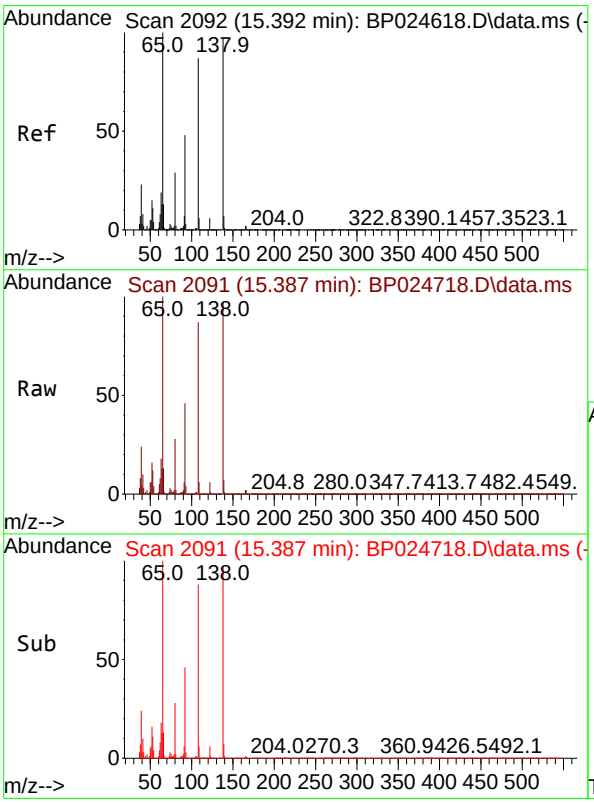
#61
4-Chlorophenyl-phenylether
Concen: 39.049 ng
RT: 15.340 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 422424

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.0	39.0
141	65.6	52.9	79.3

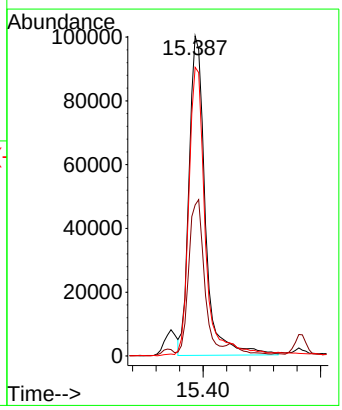


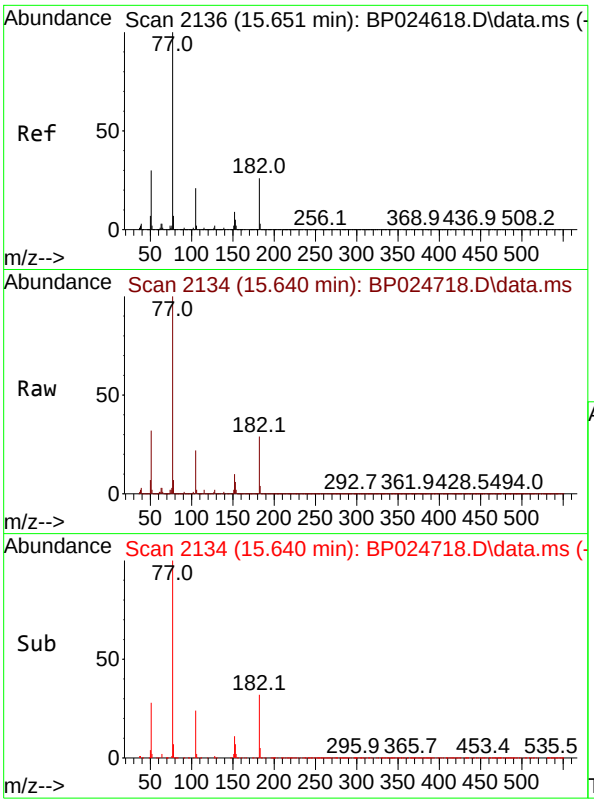


#62
4-Nitroaniline
Concen: 39.479 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:138 Resp: 192740

Ion	Ratio	Lower	Upper
138	100		
92	47.2	29.2	69.2
108	90.2	69.0	109.0



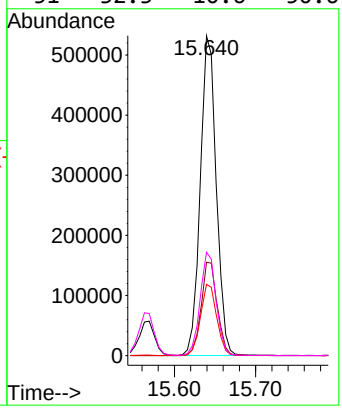


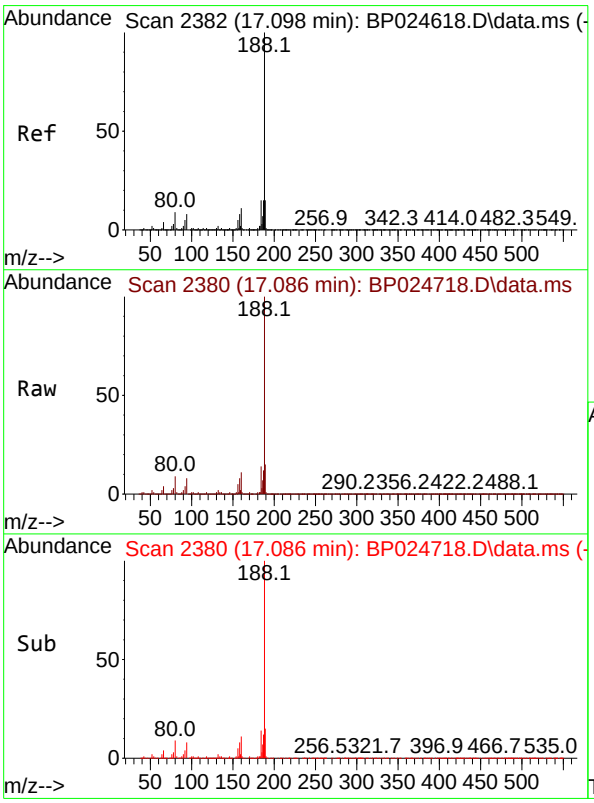
#63
Azobenzene
Concen: 35.857 ng
RT: 15.640 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 726922

Ion	Ratio	Lower	Upper
77	100		
182	29.2	5.7	45.7
105	22.3	1.3	41.3
51	32.3	10.6	50.6

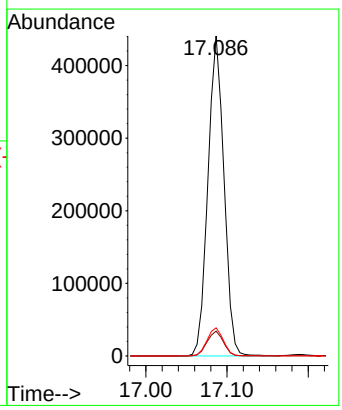


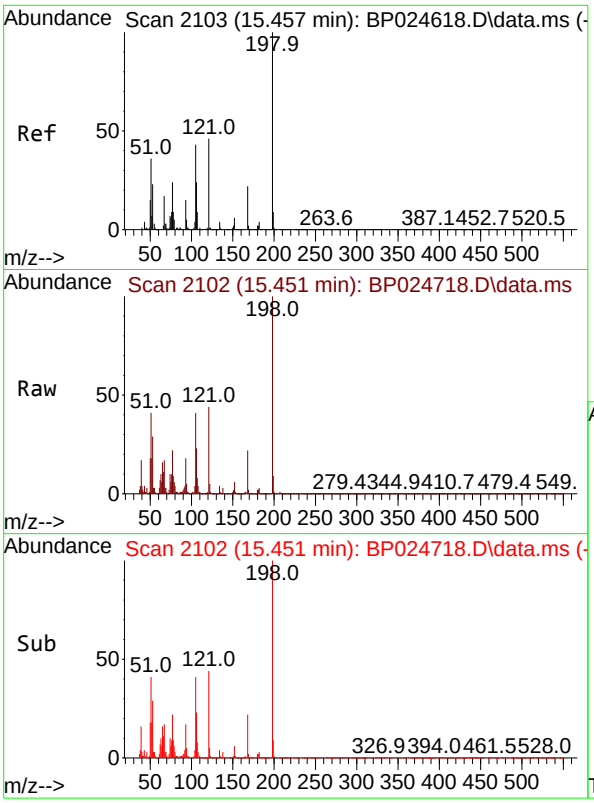


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:188 Resp: 604437

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.5	9.7
80	8.8	7.3	10.9



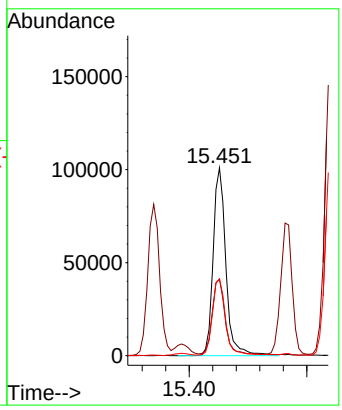


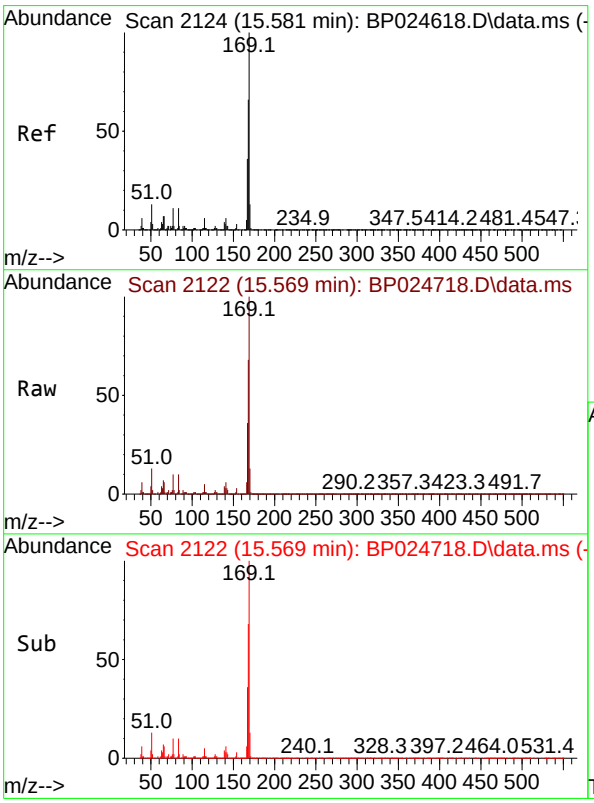
#65
4,6-Dinitro-2-methylphenol
Concen: 38.869 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 151755

Ion	Ratio	Lower	Upper
198	100		
51	40.8	21.1	61.1
105	40.9	23.6	63.6

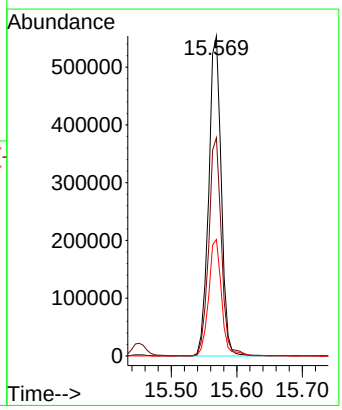


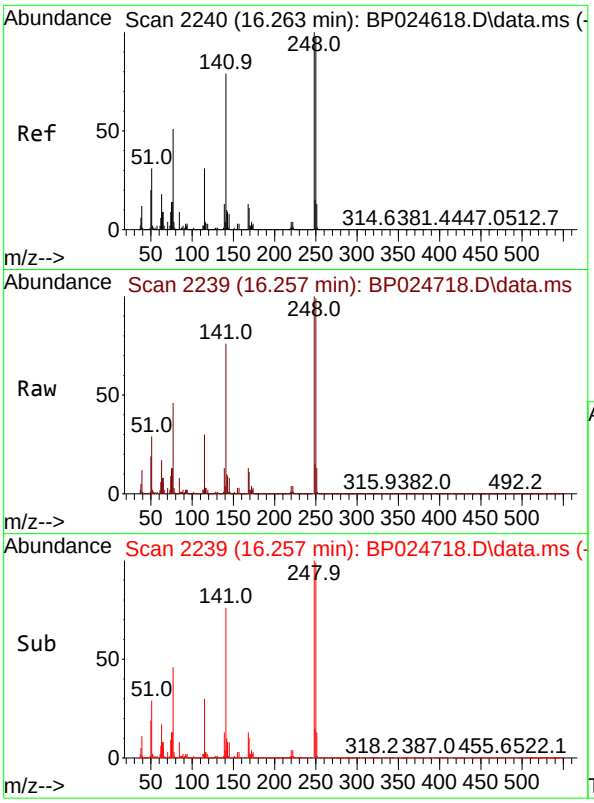


#66
n-Nitrosodiphenylamine
Concen: 39.573 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:169 Resp: 734714

Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.2	79.8
167	36.4	28.6	43.0



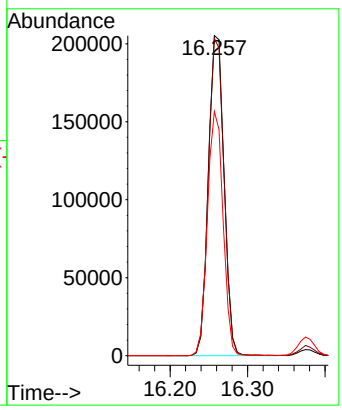


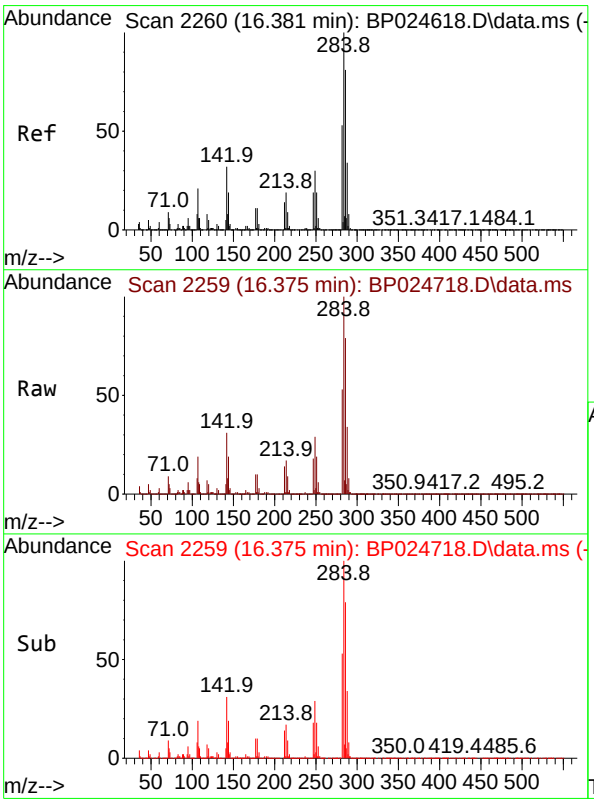
#67
4-Bromophenyl-phenylether
Concen: 40.631 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 289391

Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.2	117.4
141	76.3	63.0	94.6

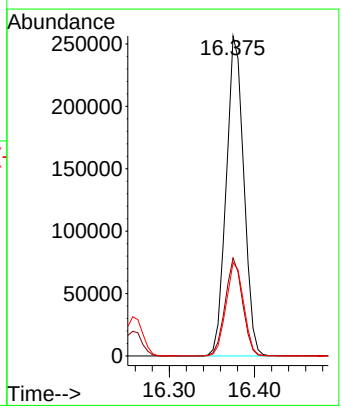


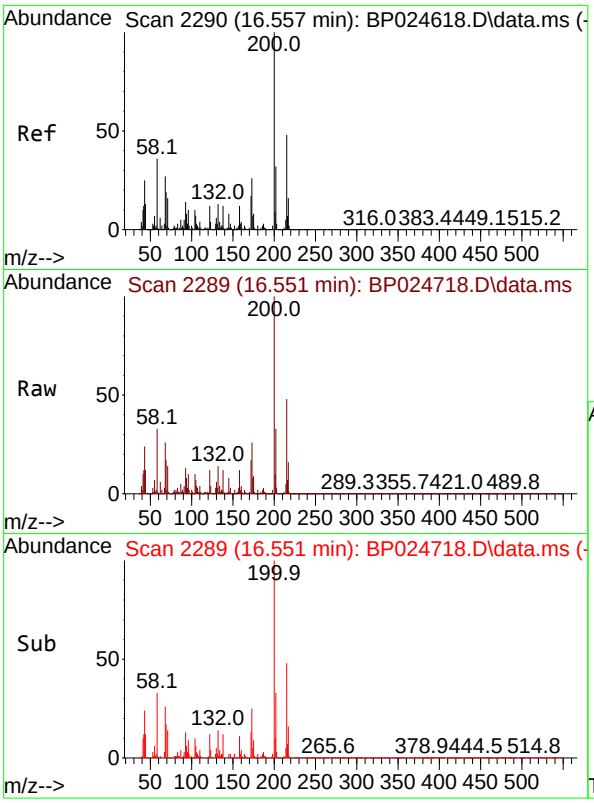


#68
Hexachlorobenzene
Concen: 40.587 ng
RT: 16.375 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:284 Resp: 367323

Ion	Ratio	Lower	Upper
284	100		
142	30.6	25.9	38.9
249	29.2	24.1	36.1



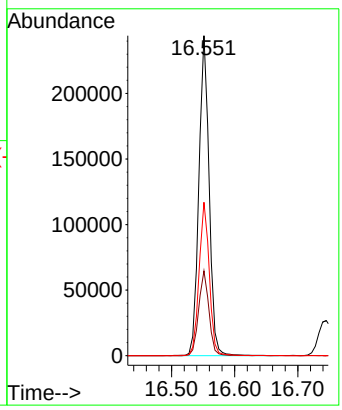


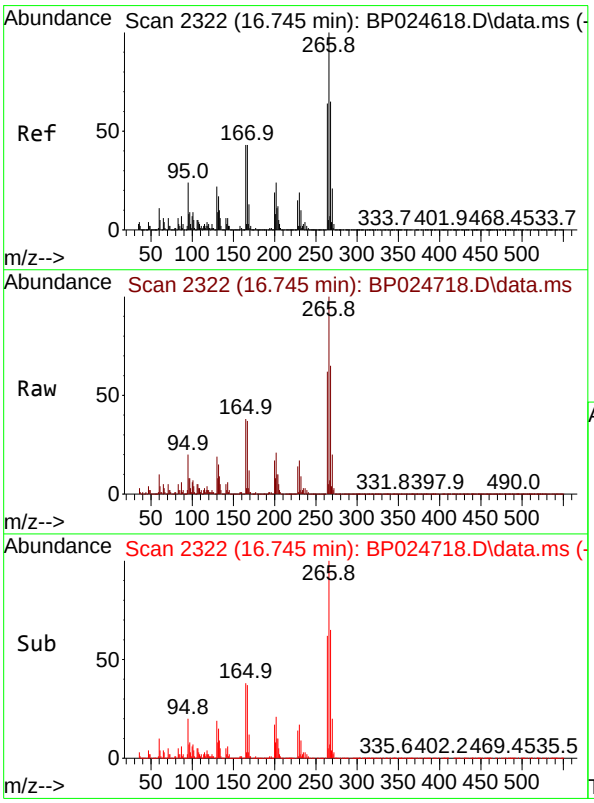
#69
Atrazine
Concen: 40.239 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 273779

Ion	Ratio	Lower	Upper
200	100		
173	26.5	5.9	45.9
215	48.0	28.3	68.3

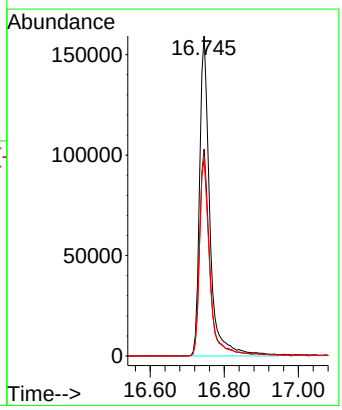


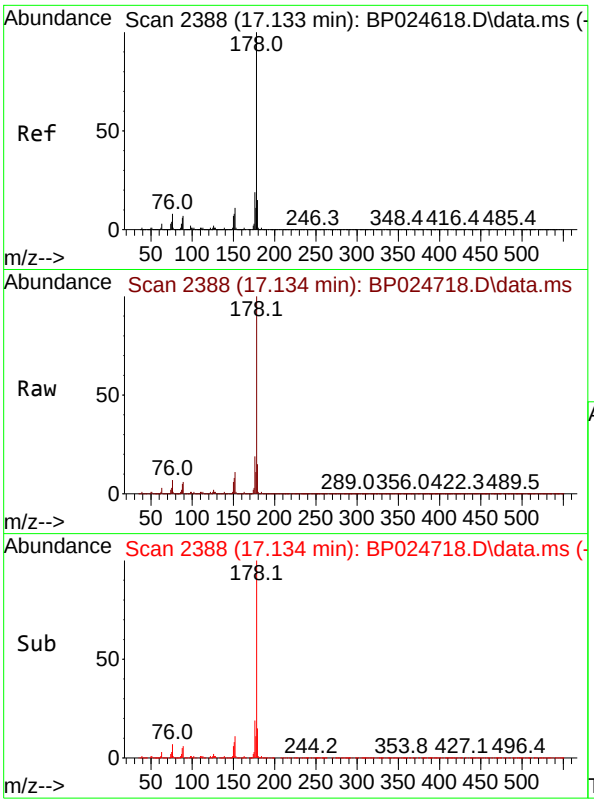


#70
Pentachlorophenol
Concen: 60.045 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:266 Resp: 305048

Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.2	78.4
264	61.5	51.1	76.7



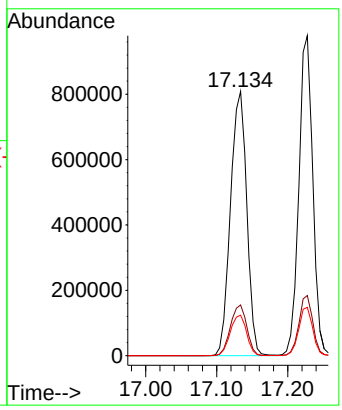


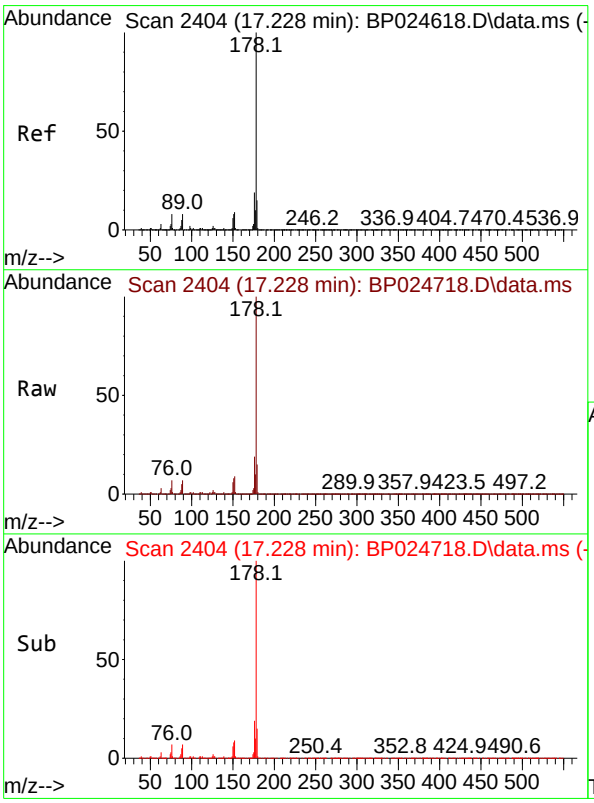
#71
Phenanthrene
Concen: 38.410 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1290635

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.2	18.4

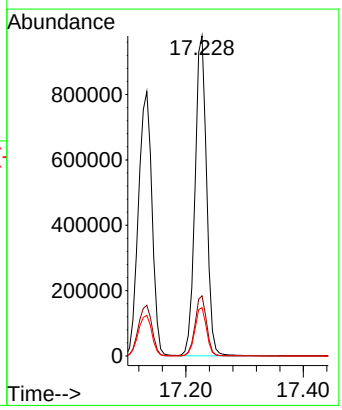


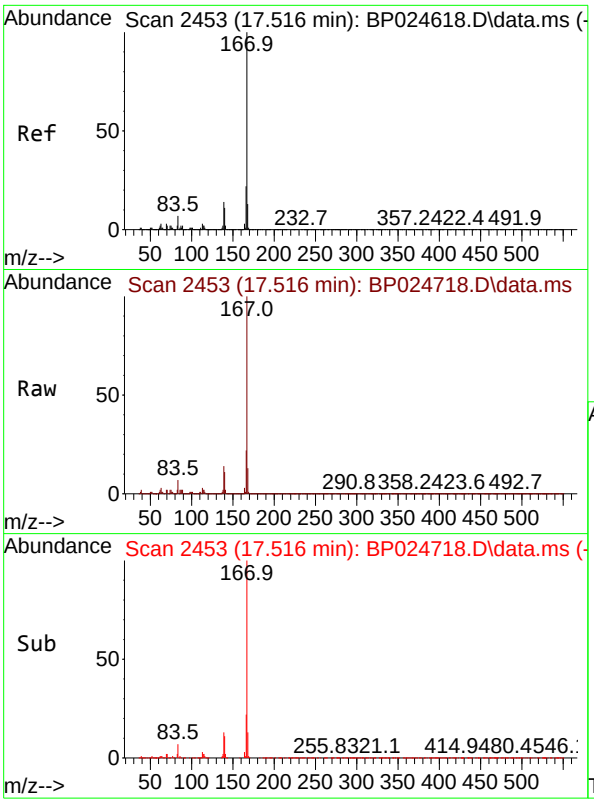


#72
Anthracene
Concen: 39.430 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:178 Resp: 1333010

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.1	12.2	18.2



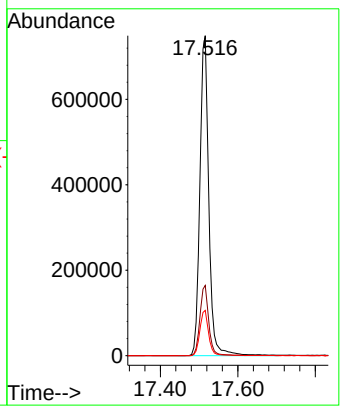


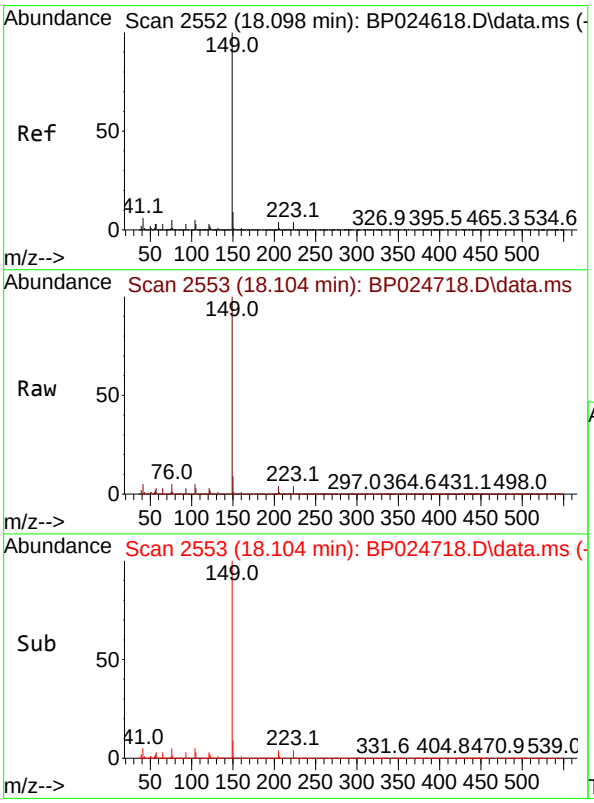
#73
Carbazole
Concen: 39.035 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1194415

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	14.2	11.3	16.9

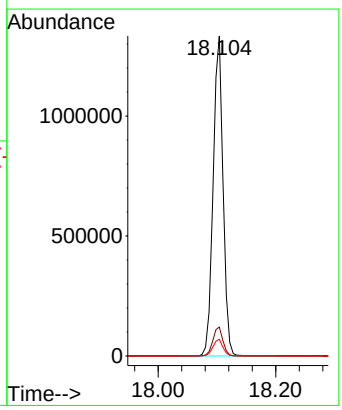


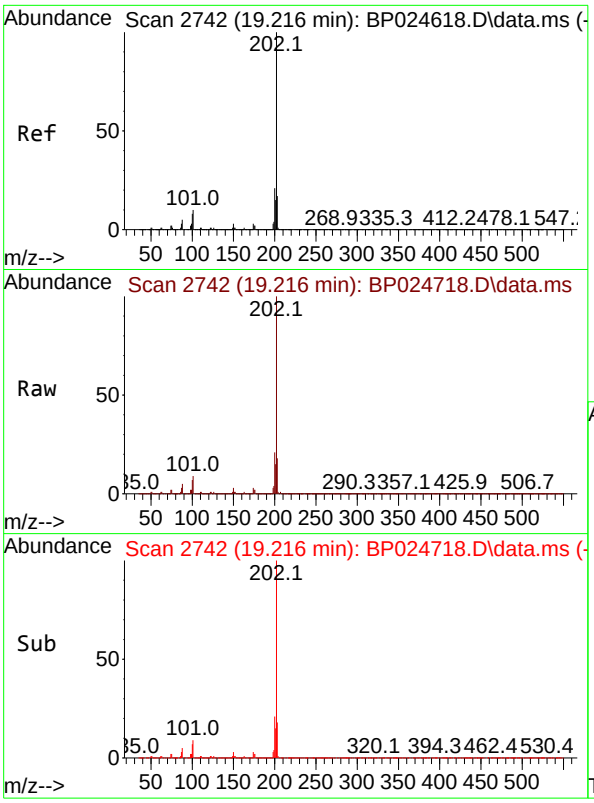


#74
Di-n-butylphthalate
Concen: 39.599 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 1558306

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	5.2	4.3	6.5



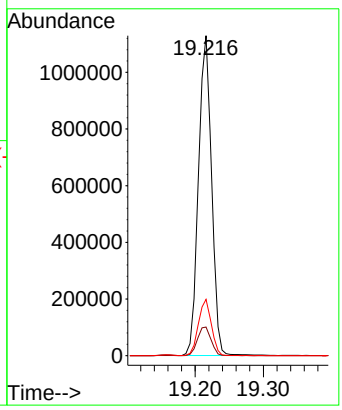


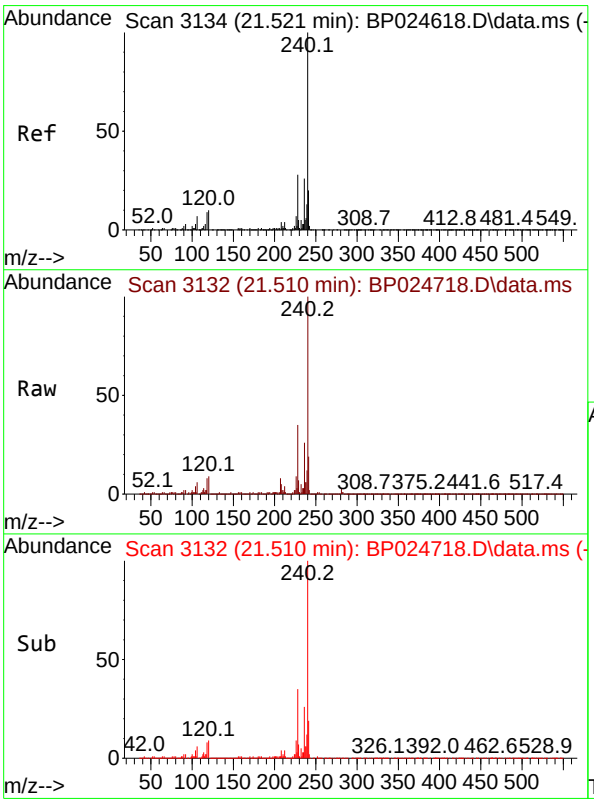
#75
Fluoranthene
Concen: 38.550 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1514175

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.3
203	17.6	0.0	37.5

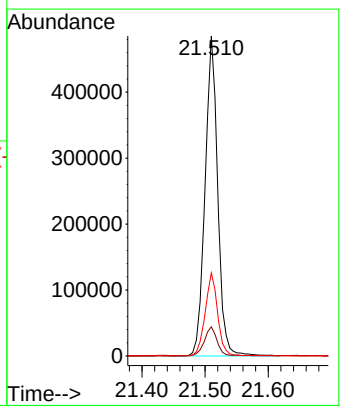


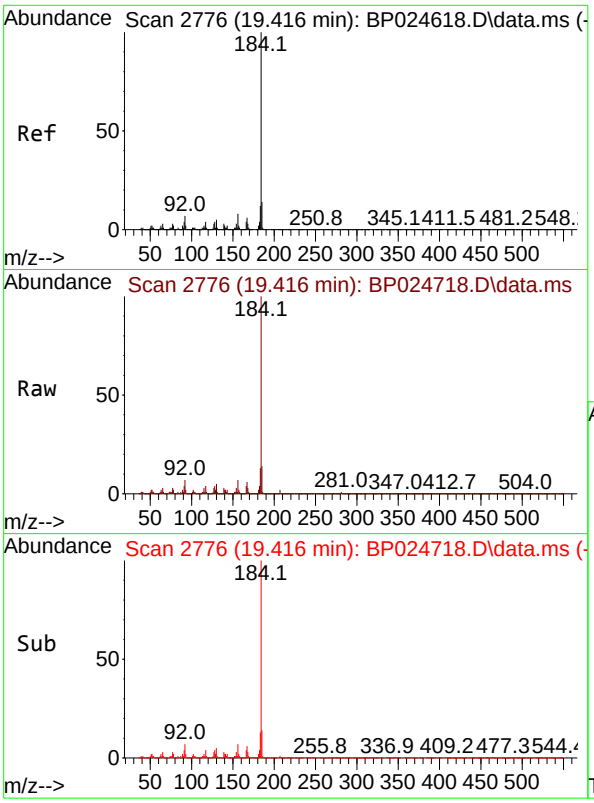


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.510 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:240 Resp: 676763

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	26.0	20.6	31.0



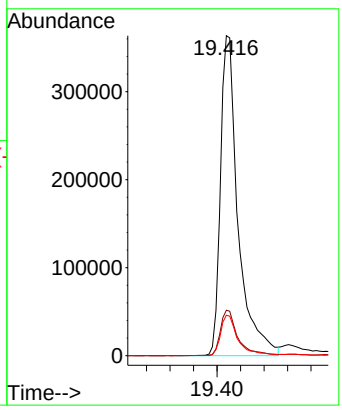


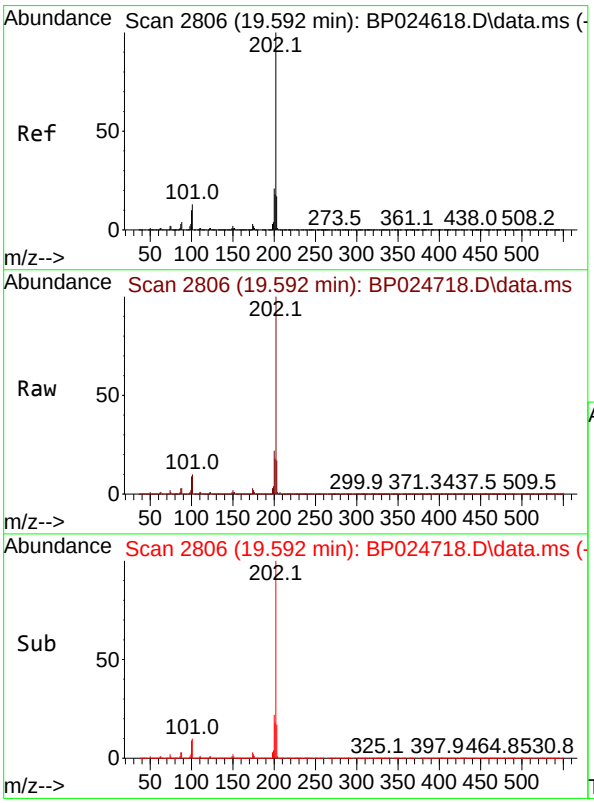
#77
Benzidine
Concen: 40.966 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 755105

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.2	16.8
183	12.6	9.8	14.8

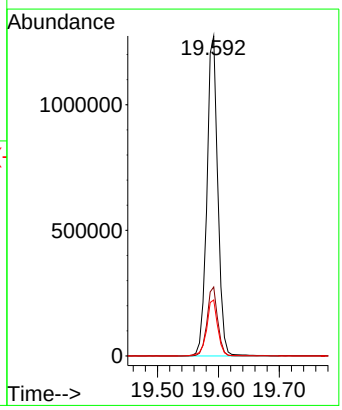


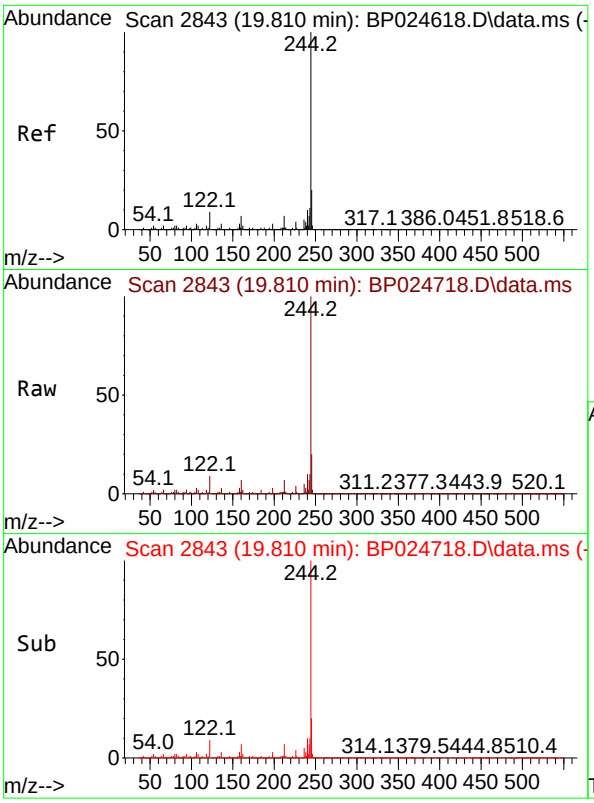


#78
Pyrene
Concen: 39.038 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:202 Resp: 1583011

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.5	13.9	20.9



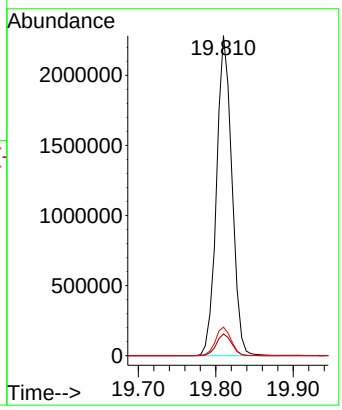


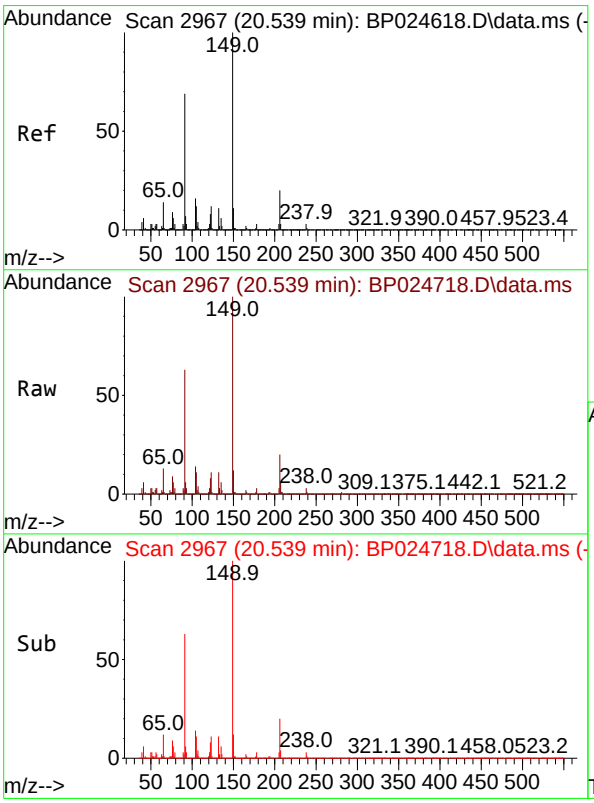
#79
Terphenyl-d14
Concen: 80.005 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3157658

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	8.9	7.4	11.0

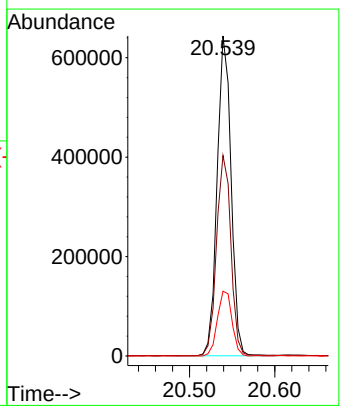


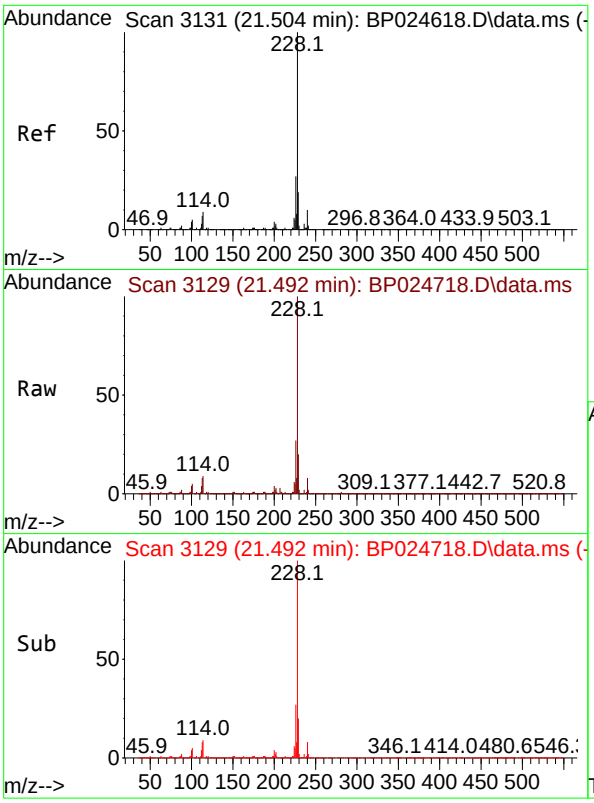


#80
Butylbenzylphthalate
Concen: 40.524 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 730821

Ion	Ratio	Lower	Upper
149	100		
91	62.7	55.4	83.0
206	20.3	16.2	24.2



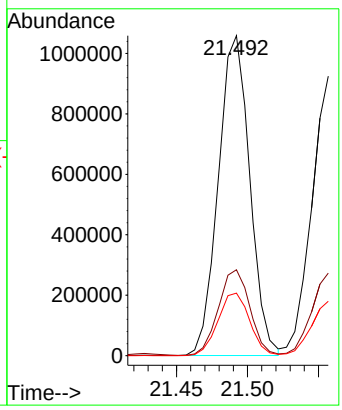


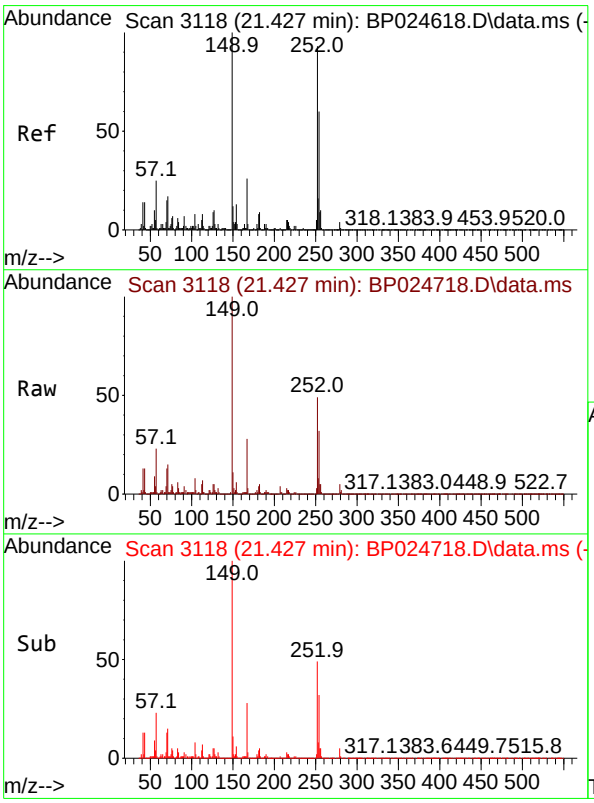
#81
Benzo(a)anthracene
Concen: 38.339 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1629224

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	19.6	15.5	23.3

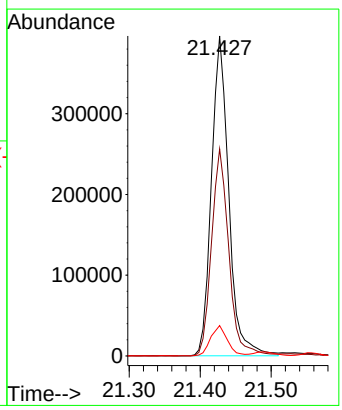


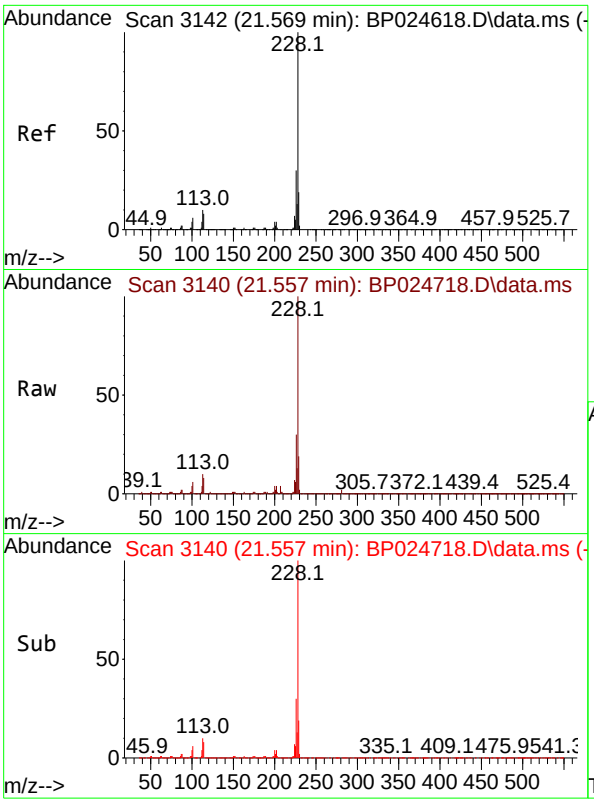


#82
3,3'-Dichlorobenzidine
Concen: 42.389 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 669047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	9.5	7.7	11.5



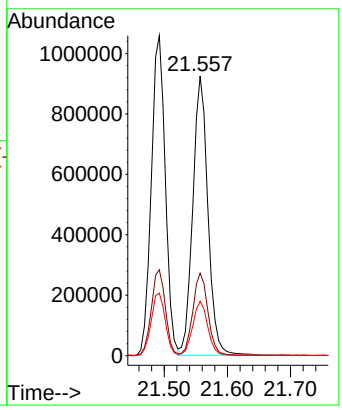


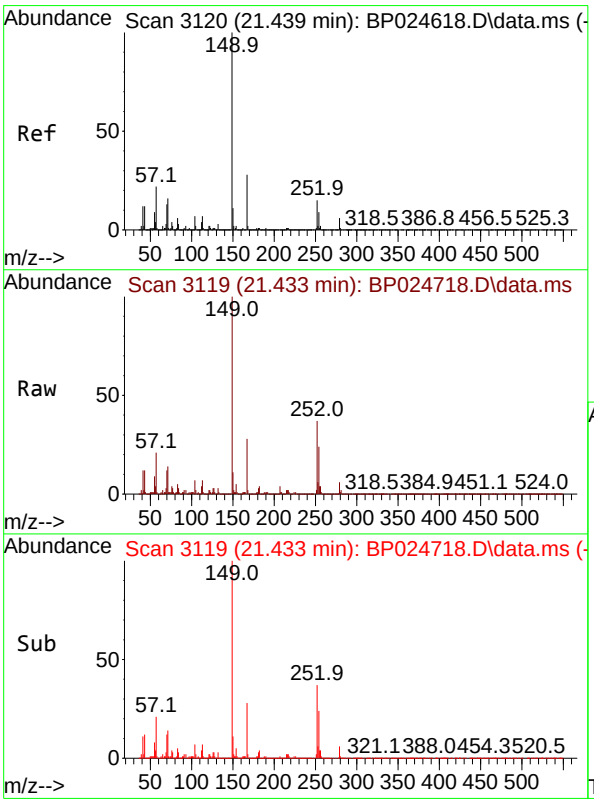
#83
Chrysene
Concen: 38.059 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1533150

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	19.5	15.5	23.3

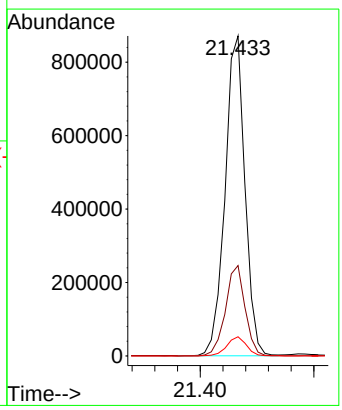


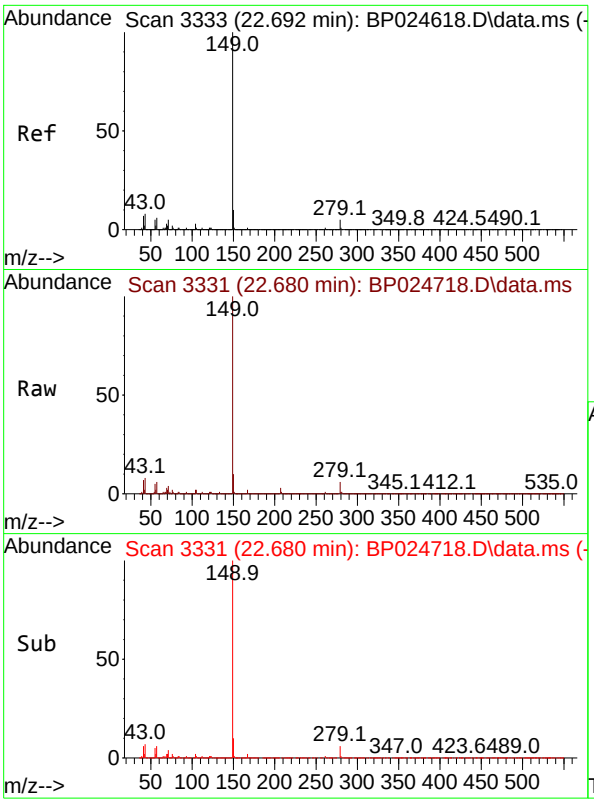


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.893 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 1057445

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	6.0	4.6	6.8



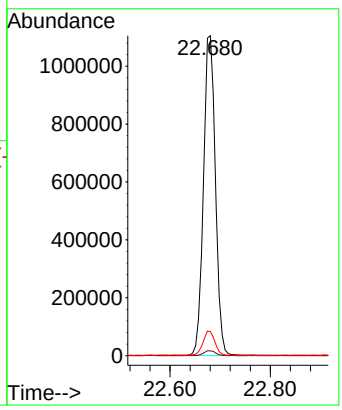


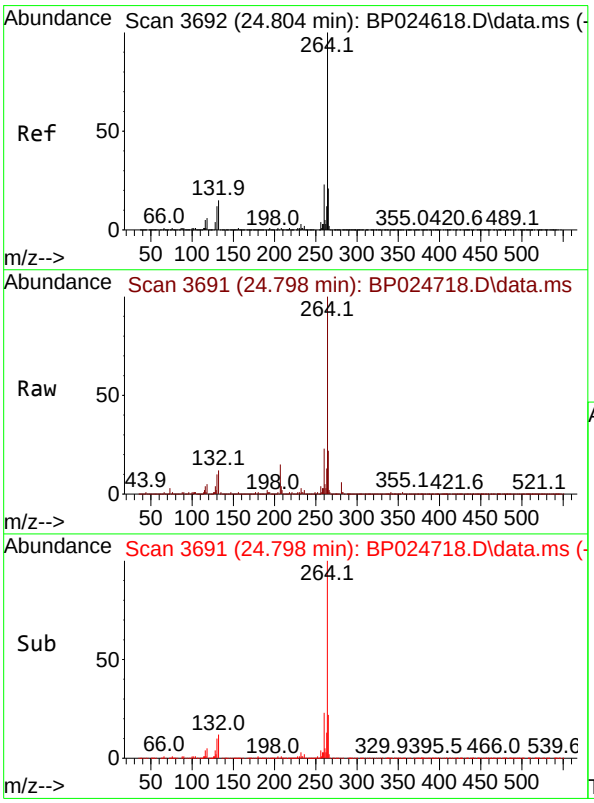
#85
Di-n-octyl phthalate
Concen: 42.130 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 1826217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.5	6.3	9.5

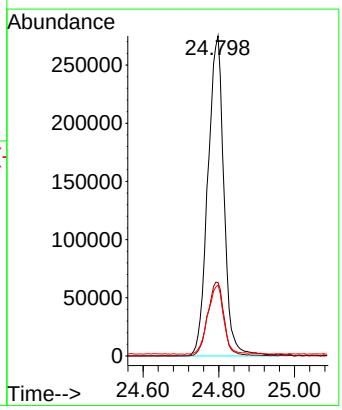


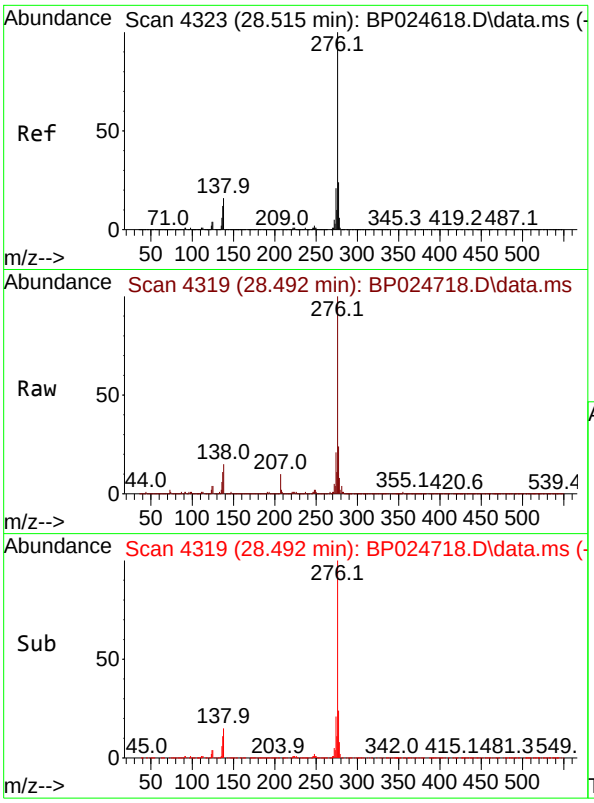


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:264 Resp: 806749

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.2	17.0	25.6



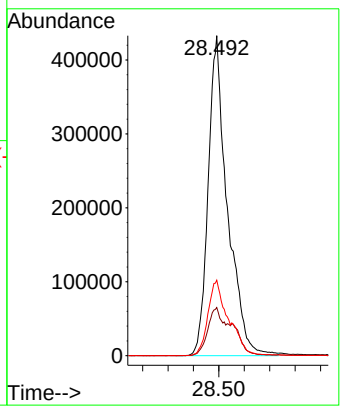


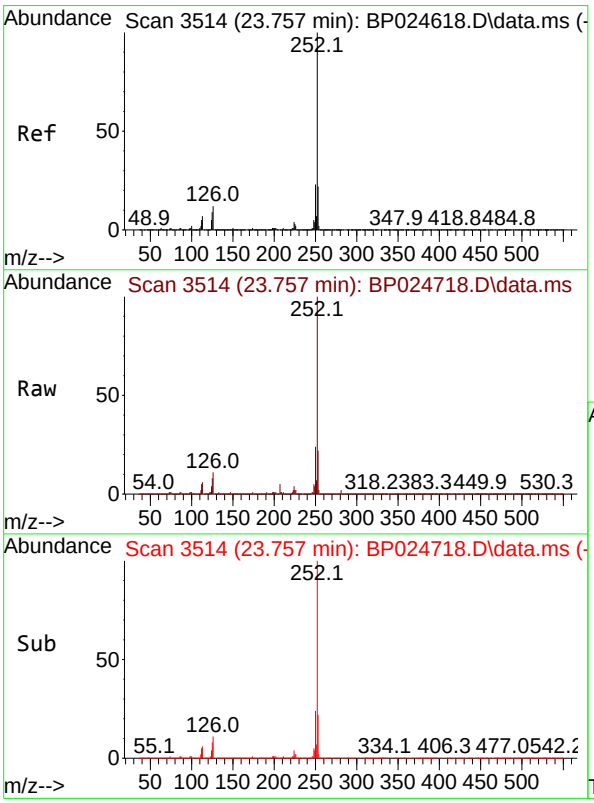
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.541 ng
RT: 28.492 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2269964

Ion	Ratio	Lower	Upper
276	100		
138	13.8	11.2	16.8
277	25.6	15.7	23.5#

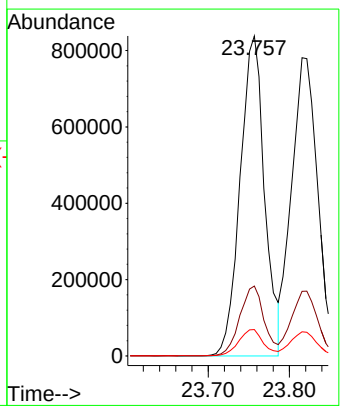


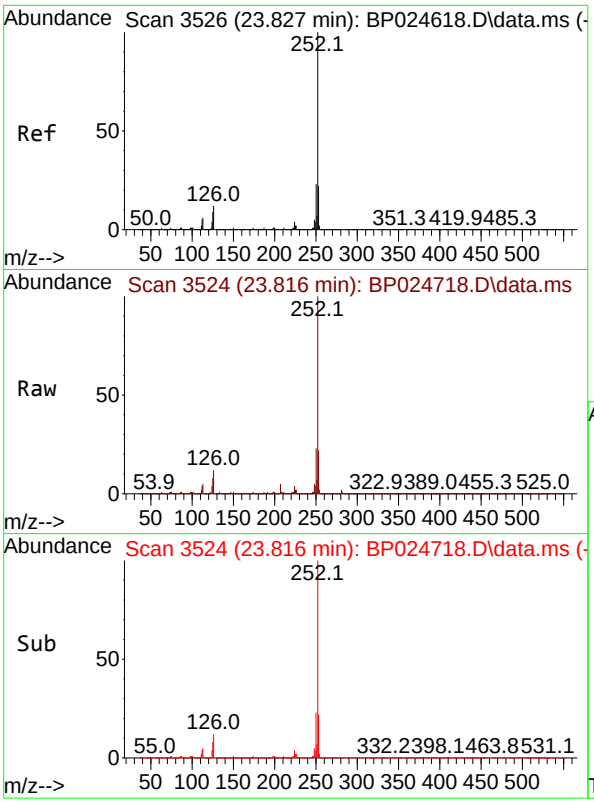


#88
Benzo(b)fluoranthene
Concen: 37.957 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 1752739

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.2	7.5	11.3



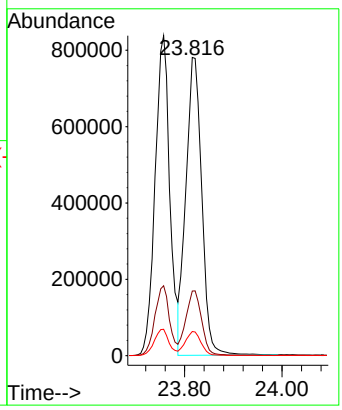


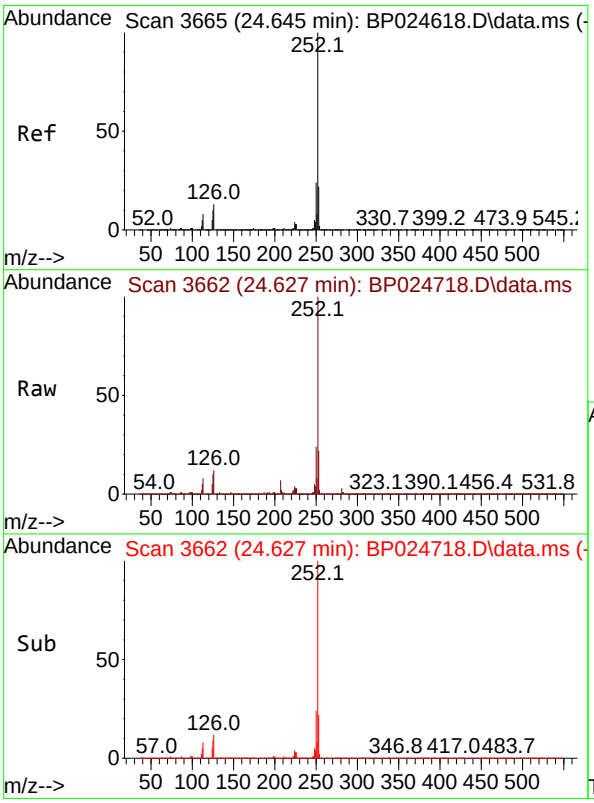
#89
Benzo(k)fluoranthene
Concen: 37.159 ng
RT: 23.816 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 1768100

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	8.1	7.0	10.4

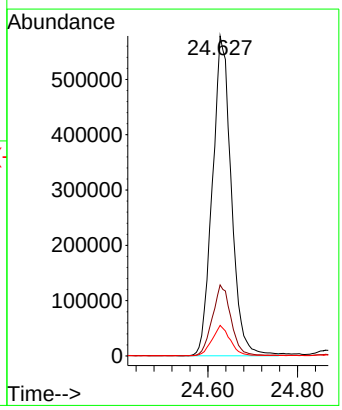


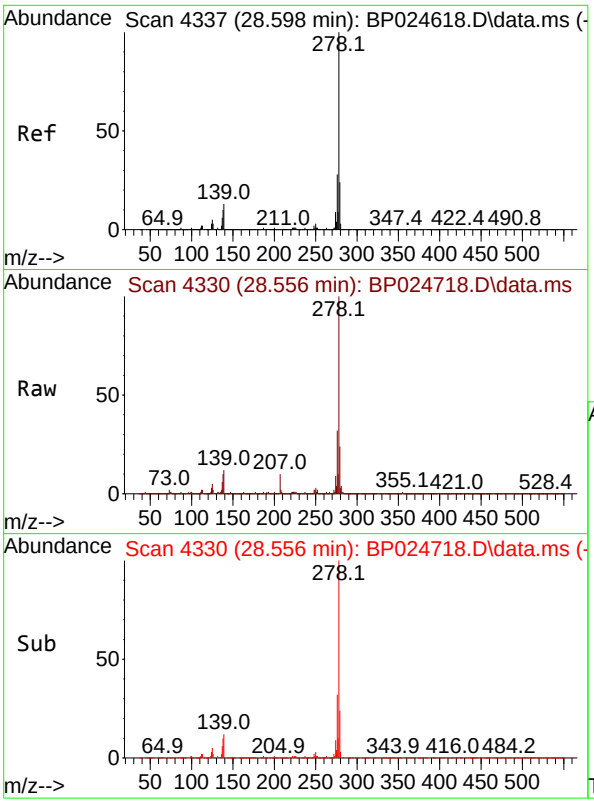


#90
Benzo(a)pyrene
Concen: 38.097 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 1689563

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.5	8.1	12.1



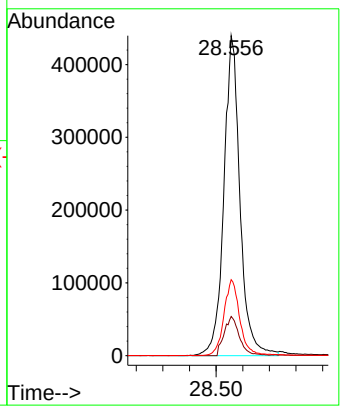


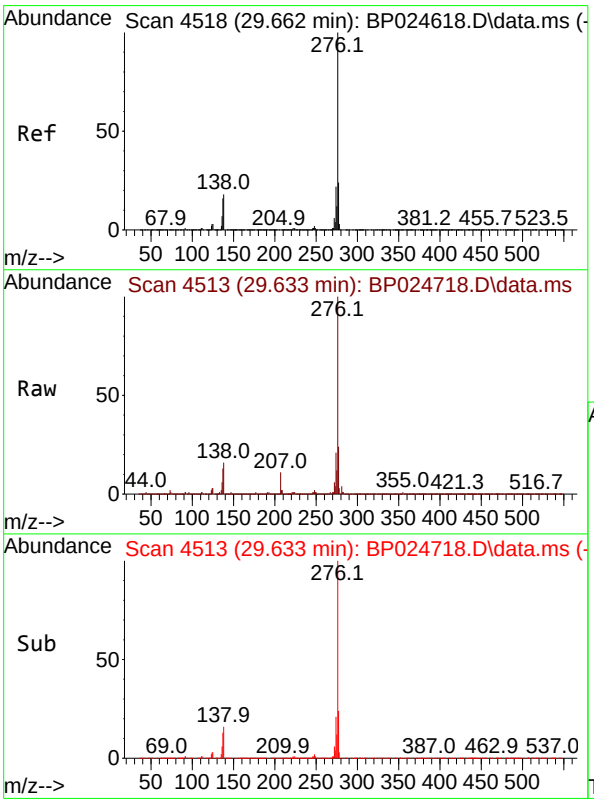
#91
Dibenzo(a,h)anthracene
Concen: 38.590 ng
RT: 28.556 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 1849039

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.2	15.4
279	23.7	19.0	28.4

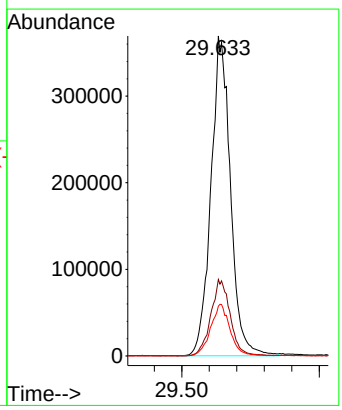




#92
Benzo(g,h,i)perylene
Concen: 38.090 ng
RT: 29.633 min Scan# 4513
Delta R.T. -0.029 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:276 Resp: 1814930

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	15.5	14.4	21.6



Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	91	0.00
2		1,4-Dioxane	0.549	0.467	14.9	85	0.00
3		Pyridine	1.218	1.044	14.3	80	0.00
4		n-Nitrosodimethylamine	0.538	0.471	12.5	83	0.00
5	S	2-Fluorophenol	1.169	1.092	6.6	90	0.00
6		Aniline	1.927	1.707	11.4	81	-0.01
7	S	Phenol-d6	1.492	1.356	9.1	84	0.00
8		2-Chlorophenol	1.327	1.268	4.4	89	0.00
9		Benzaldehyde	0.966	0.838	13.3	80	-0.01
10	C	Phenol	1.540	1.377	10.6	83	0.00
11		bis(2-Chloroethyl)ether	1.266	1.083	14.5	82	-0.01
12		1,3-Dichlorobenzene	1.527	1.436	6.0	91	0.00
13	C	1,4-Dichlorobenzene	1.536	1.453	5.4	90	-0.01
14		1,2-Dichlorobenzene	1.497	1.411	5.7	90	-0.01
15		Benzyl Alcohol	1.134	1.044	7.9	83	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.280	15.6	80	-0.02
17		2-Methylphenol	1.105	1.025	7.2	85	0.00
18		Hexachloroethane	0.589	0.534	9.3	89	-0.01
19	P	n-Nitroso-di-n-propylamine	1.032	0.882	14.5	77	0.00
20		3+4-Methylphenols	1.503	1.386	7.8	84	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	86	-0.01
22		Acetophenone	0.500	0.457	8.6	82	0.00
23	S	Nitrobenzene-d5	0.396	0.354	10.6	80	0.00
24		Nitrobenzene	0.348	0.305	12.4	78	0.00
25		Isophorone	0.687	0.600	12.7	77	0.00
26	C	2-Nitrophenol	0.171	0.177	-3.5	89	-0.02
27		2,4-Dimethylphenol	0.301	0.290	3.7	84	0.00
28		bis(2-Chloroethoxy)methane	0.410	0.351	14.4	76	-0.01
29	C	2,4-Dichlorophenol	0.292	0.292	0.0	87	0.00
30		1,2,4-Trichlorobenzene	0.329	0.322	2.1	91	-0.01
31		Naphthalene	1.036	0.990	4.4	87	-0.01
32		Benzoic acid	0.181	0.175	3.3	79	0.01
33		4-Chloroaniline	0.418	0.409	2.2	84	0.00
34	C	Hexachlorobutadiene	0.213	0.212	0.5	93	-0.01
35		Caprolactam	0.106	0.103	2.8	82	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.345	3.1	84	0.00
37		2-Methylnaphthalene	0.671	0.644	4.0	87	-0.01
38		1-Methylnaphthalene	0.718	0.689	4.0	86	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	85	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.581	0.572	1.5	88	-0.01
41	P	Hexachlorocyclopentadiene	0.352	0.353	-0.3	84	-0.01
42	S	2,4,6-Tribromophenol	0.339	0.363	-7.1	95	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.399	-6.1	91	0.00
44		2,4,5-Trichlorophenol	0.419	0.440	-5.0	92	0.00
45	S	2-Fluorobiphenyl	1.527	1.493	2.2	88	-0.01
46		1,1'-Biphenyl	1.478	1.442	2.4	89	-0.01
47		2-Chloronaphthalene	1.127	1.121	0.5	89	0.00

Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	0.334	0.327	2.1	83	-0.01
49		Acenaphthylene	1.886	1.808	4.1	85	-0.02
50		Dimethylphthalate	1.524	1.441	5.4	84	-0.01
51		2,6-Dinitrotoluene	0.322	0.307	4.7	84	-0.02
52	C	Acenaphthene	1.084	1.038	4.2	86	-0.02
53		3-Nitroaniline	0.329	0.314	4.6	78	-0.02
54	P	2,4-Dinitrophenol	0.169	0.154	8.9	76	0.00
55		Dibenzofuran	1.730	1.664	3.8	86	-0.01
56	P	4-Nitrophenol	0.250	0.339	-35.6#	112	0.02
57		2,4-Dinitrotoluene	0.454	0.455	-0.2	85	-0.02
58		Fluorene	1.410	1.366	3.1	87	-0.01
59		2,3,4,6-Tetrachlorophenol	0.388	0.398	-2.6	89	-0.01
60		Diethylphthalate	1.541	1.454	5.6	85	-0.01
61		4-Chlorophenyl-phenylether	0.703	0.687	2.3	89	-0.02
62		4-Nitroaniline	0.317	0.313	1.3	81	0.00
63		Azobenzene	1.318	1.182	10.3	80	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	-0.01
65		4,6-Dinitro-2-methylphenol	0.129	0.126	2.3	82	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.608	1.0	86	-0.01
67		4-Bromophenyl-phenylether	0.236	0.239	-1.3	89	0.00
68		Hexachlorobenzene	0.299	0.304	-1.7	91	0.00
69		Atrazine	0.225	0.226	-0.4	88	0.00
70	C	Pentachlorophenol	0.168	0.252	-50.0#	124	0.00
71		Phenanthrene	1.112	1.068	4.0	86	0.00
72		Anthracene	1.119	1.103	1.4	86	0.00
73		Carbazole	1.012	0.988	2.4	83	0.00
74		Di-n-butylphthalate	1.302	1.289	1.0	86	0.00
75	C	Fluoranthene	1.300	1.253	3.6	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	-0.01
77		Benzidine	0.545	0.558	-2.4	83	0.00
78		Pyrene	1.198	1.170	2.3	85	0.00
79	S	Terphenyl-d14	1.166	1.166	0.0	87	0.00
80		Butylbenzylphthalate	0.533	0.540	-1.3	85	0.00
81		Benzo(a)anthracene	1.256	1.204	4.1	83	-0.01
82		3,3'-Dichlorobenzidine	0.466	0.494	-6.0	86	0.00
83		Chrysene	1.190	1.133	4.8	84	-0.01
84		Bis(2-ethylhexyl)phthalate	0.783	0.781	0.3	85	0.00
85	c	Di-n-octyl phthalate	1.281	1.349	-5.3	88	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.460	1.407	3.6	86	-0.02
88		Benzo(b)fluoranthene	1.145	1.086	5.2	85	0.00
89		Benzo(k)fluoranthene	1.180	1.096	7.1	83	-0.01
90	C	Benzo(a)pyrene	1.099	1.047	4.7	85	-0.02
91		Dibenzo(a,h)anthracene	1.188	1.146	3.5	85	-0.04
92		Benzo(g,h,i)perylene	1.181	1.125	4.7	85	-0.03

Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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

Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	91	0.00
2		1,4-Dioxane	40.000	34.016	15.0	85	0.00
3		Pyridine	40.000	34.312	14.2	80	0.00
4		n-Nitrosodimethylamine	40.000	35.054	12.4	83	0.00
5	S	2-Fluorophenol	80.000	74.735	6.6	90	0.00
6		Aniline	40.000	35.441	11.4	81	-0.01
7	S	Phenol-d6	80.000	72.673	9.2	84	0.00
8		2-Chlorophenol	40.000	38.194	4.5	89	0.00
9		Benzaldehyde	40.000	34.708	13.2	80	-0.01
10	C	Phenol	40.000	35.753	10.6	83	0.00
11		bis(2-Chloroethyl)ether	40.000	34.217	14.5	82	-0.01
12		1,3-Dichlorobenzene	40.000	37.621	5.9	91	0.00
13	C	1,4-Dichlorobenzene	40.000	37.843	5.4	90	-0.01
14		1,2-Dichlorobenzene	40.000	37.708	5.7	90	-0.01
15		Benzyl Alcohol	40.000	36.812	8.0	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.787	15.5	80	-0.02
17		2-Methylphenol	40.000	37.108	7.2	85	0.00
18		Hexachloroethane	40.000	36.268	9.3	89	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	34.163	14.6	77	0.00
20		3+4-Methylphenols	40.000	36.887	7.8	84	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	86	-0.01
22		Acetophenone	40.000	36.567	8.6	82	0.00
23	S	Nitrobenzene-d5	80.000	71.601	10.5	80	0.00
24		Nitrobenzene	40.000	34.974	12.6	78	0.00
25		Isophorone	40.000	34.945	12.6	77	0.00
26	C	2-Nitrophenol	40.000	41.534	-3.8	89	-0.02
27		2,4-Dimethylphenol	40.000	38.501	3.7	84	0.00
28		bis(2-Chloroethoxy)methane	40.000	34.237	14.4	76	-0.01
29	C	2,4-Dichlorophenol	40.000	40.085	-0.2	87	0.00
30		1,2,4-Trichlorobenzene	40.000	39.166	2.1	91	-0.01
31		Naphthalene	40.000	38.195	4.5	87	-0.01
32		Benzoic acid	40.000	35.667	10.8	79	0.01
33		4-Chloroaniline	40.000	39.153	2.1	84	0.00
34	C	Hexachlorobutadiene	40.000	39.924	0.2	93	-0.01
35		Caprolactam	40.000	39.146	2.1	82	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.826	2.9	84	0.00
37		2-Methylnaphthalene	40.000	38.402	4.0	87	-0.01
38		1-Methylnaphthalene	40.000	38.364	4.1	86	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	85	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	39.405	1.5	88	-0.01
41	P	Hexachlorocyclopentadiene	40.000	40.091	-0.2	84	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.567	-7.0	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.455	-6.1	91	0.00
44		2,4,5-Trichlorophenol	40.000	41.995	-5.0	92	0.00
45	S	2-Fluorobiphenyl	80.000	78.240	2.2	88	-0.01
46		1,1'-Biphenyl	40.000	39.030	2.4	89	-0.01
47		2-Chloronaphthalene	40.000	39.767	0.6	89	0.00

Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	39.247	1.9	83	-0.01
49		Acenaphthylene	40.000	38.344	4.1	85	-0.02
50		Dimethylphthalate	40.000	37.801	5.5	84	-0.01
51		2,6-Dinitrotoluene	40.000	38.189	4.5	84	-0.02
52	C	Acenaphthene	40.000	38.281	4.3	86	-0.02
53		3-Nitroaniline	40.000	38.181	4.5	78	-0.02
54	P	2,4-Dinitrophenol	40.000	34.279	14.3	76	0.00
55		Dibenzofuran	40.000	38.480	3.8	86	-0.01
56	P	4-Nitrophenol	40.000	49.318	-23.3	112	0.02
57		2,4-Dinitrotoluene	40.000	40.118	-0.3	85	-0.02
58		Fluorene	40.000	38.752	3.1	87	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	40.990	-2.5	89	-0.01
60		Diethylphthalate	40.000	37.754	5.6	85	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.049	2.4	89	-0.02
62		4-Nitroaniline	40.000	39.479	1.3	81	0.00
63		Azobenzene	40.000	35.857	10.4	80	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	38.869	2.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.573	1.1	86	-0.01
67		4-Bromophenyl-phenylether	40.000	40.631	-1.6	89	0.00
68		Hexachlorobenzene	40.000	40.587	-1.5	91	0.00
69		Atrazine	40.000	40.239	-0.6	88	0.00
70	C	Pentachlorophenol	40.000	60.045	-50.1#	124	0.00
71		Phenanthrene	40.000	38.410	4.0	86	0.00
72		Anthracene	40.000	39.430	1.4	86	0.00
73		Carbazole	40.000	39.035	2.4	83	0.00
74		Di-n-butylphthalate	40.000	39.599	1.0	86	0.00
75	C	Fluoranthene	40.000	38.550	3.6	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	-0.01
77		Benzidine	40.000	40.966	-2.4	83	0.00
78		Pyrene	40.000	39.038	2.4	85	0.00
79	S	Terphenyl-d14	80.000	80.005	-0.0	87	0.00
80		Butylbenzylphthalate	40.000	40.524	-1.3	85	0.00
81		Benzo(a)anthracene	40.000	38.339	4.2	83	-0.01
82		3,3'-Dichlorobenzidine	40.000	42.389	-6.0	86	0.00
83		Chrysene	40.000	38.059	4.9	84	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	39.893	0.3	85	0.00
85	c	Di-n-octyl phthalate	40.000	42.130	-5.3	88	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.541	3.6	86	-0.02
88		Benzo(b)fluoranthene	40.000	37.957	5.1	85	0.00
89		Benzo(k)fluoranthene	40.000	37.159	7.1	83	-0.01
90	C	Benzo(a)pyrene	40.000	38.097	4.8	85	-0.02
91		Dibenzo(a,h)anthracene	40.000	38.590	3.5	85	-0.04
92		Benzo(g,h,i)perylene	40.000	38.090	4.8	85	-0.03

Sample Results: **BP024718.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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

QC SAMPLE DATA

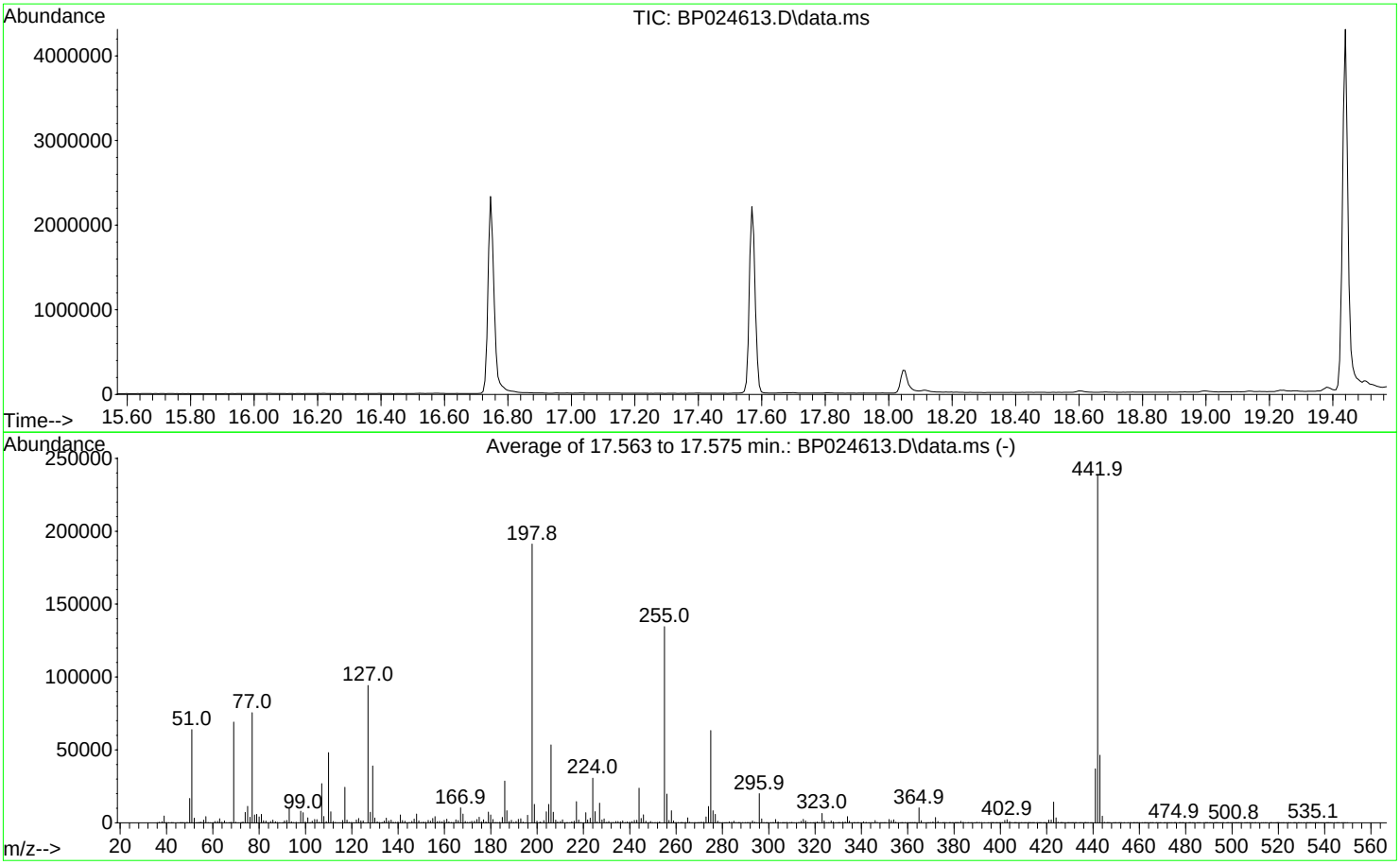
Sample Results: **BP024613.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



AutoFind: Scans 2461, 2462, 2463; Background Corrected with Scan 2449

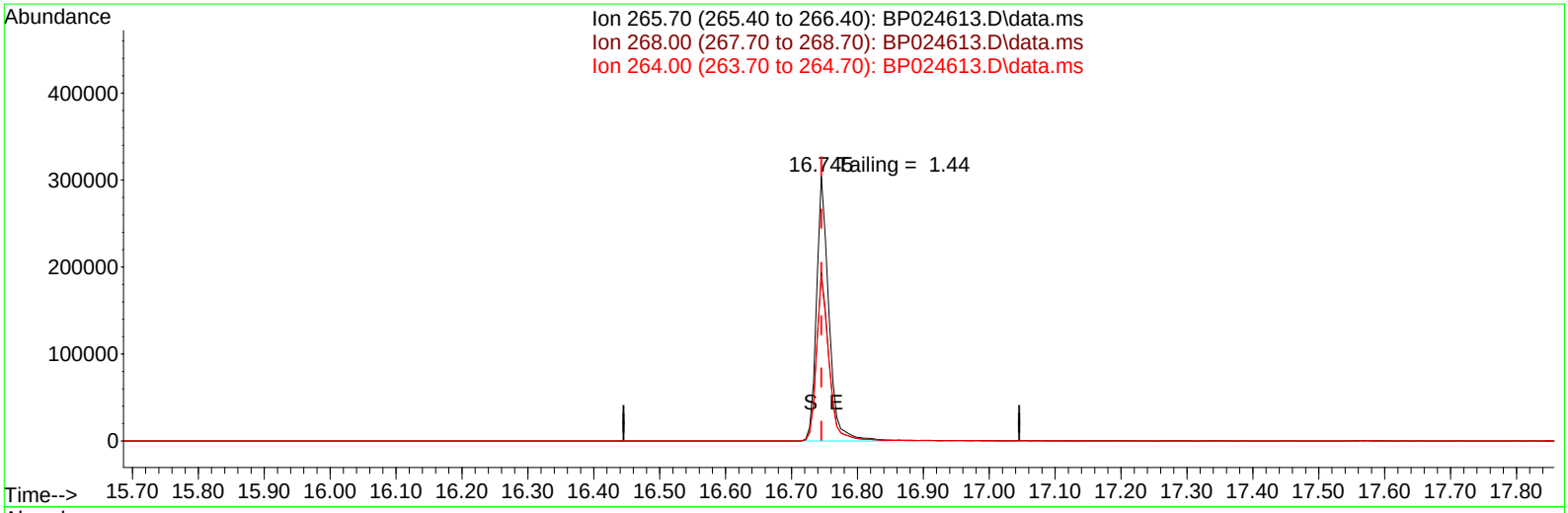
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	63968	PASS
68	69	0.00	2	0.6	438	PASS
69	198	0.00	100	36.2	69152	PASS
70	69	0.00	2	0.6	419	PASS
127	198	10	80	49.3	94192	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	191223	PASS
199	198	5	9	6.6	12661	PASS
275	198	10	60	33.1	63293	PASS
365	198	1	100	5.4	10286	PASS
441	198	0.01	100	19.4	37080	PASS
442	442	100	100	100.0	238569	PASS
443	442	15	24	19.4	46397	PASS

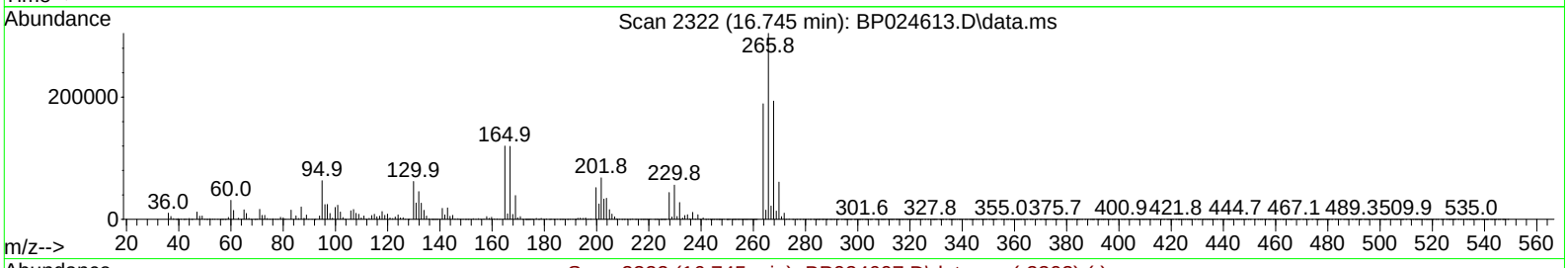
Sample Results: **BP024613.D**

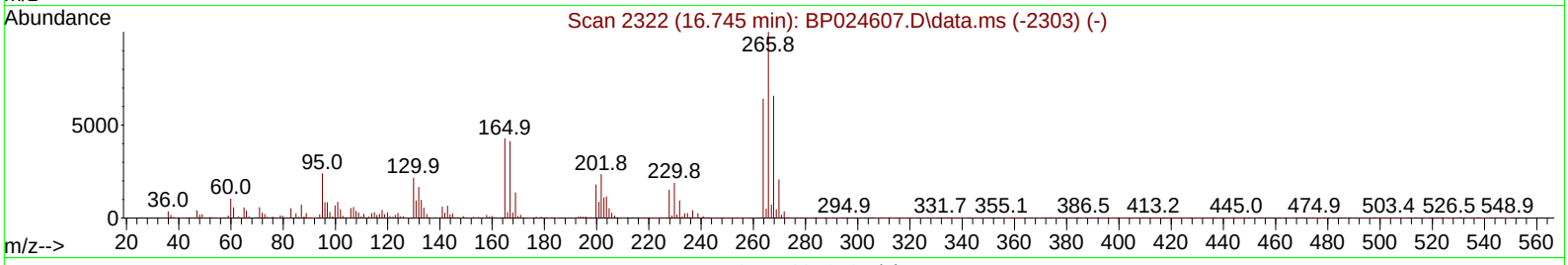
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(70) Pentachlorophenol (C)

16.745min (-0.000) 42670.46 ng

response 398426

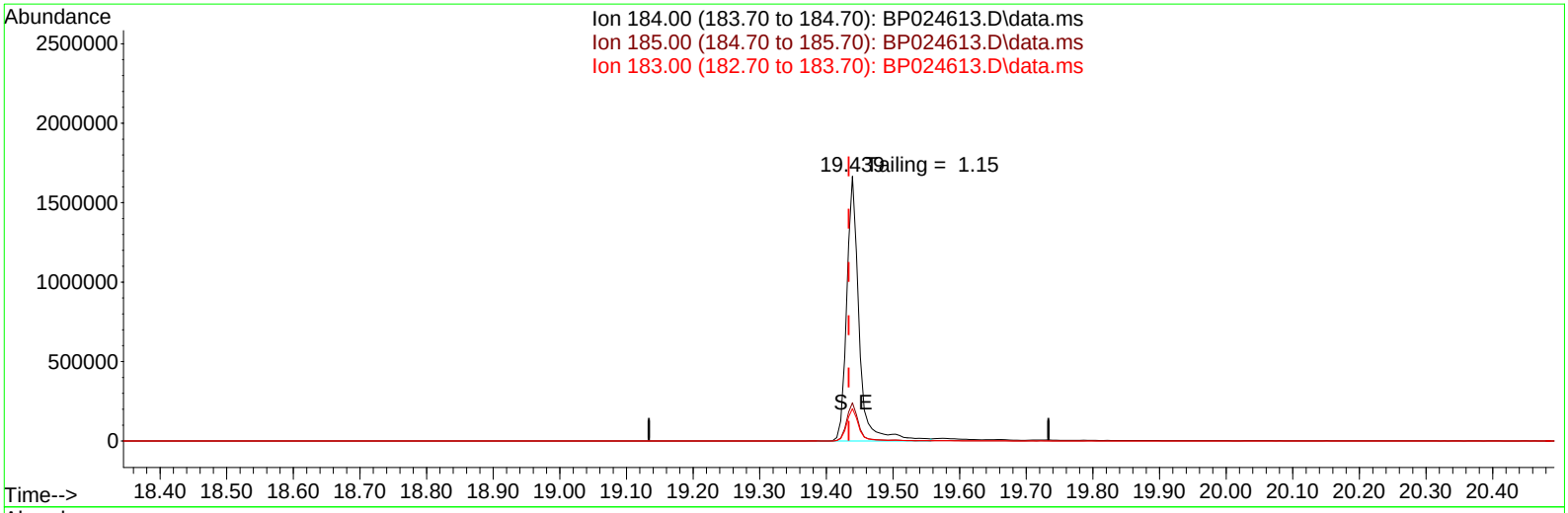
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.60	63.59
264.00	64.00	62.12
0.00	0.00	0.00

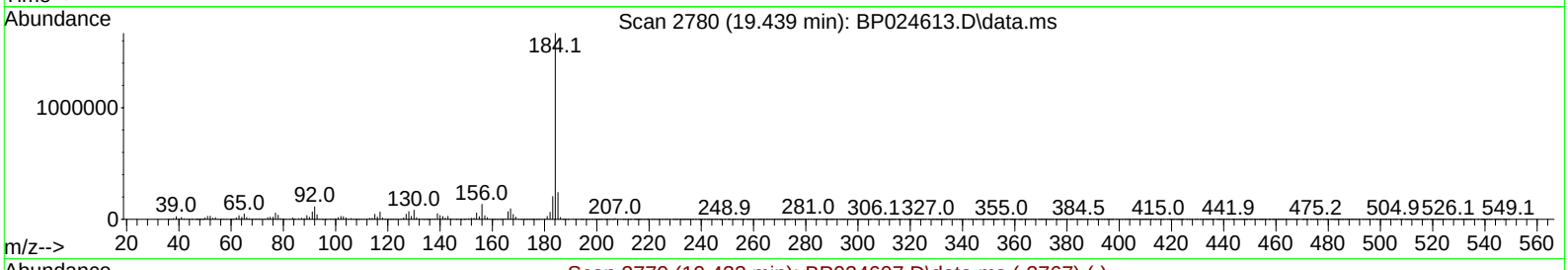
Sample Results: **BP024613.D**

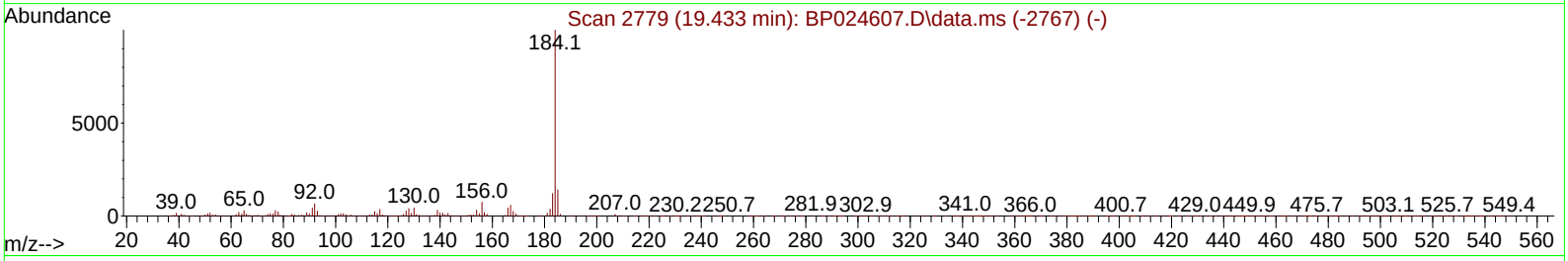
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(77) Benzidine

19.439min (+ 0.006) 5637.89 ng

response 2074486

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.46
183.00	12.10	12.23
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/13/2025	BNA_P	BP024613.D
Compound Name	**Response**	**Retention Time**
DDT	750509	20.716
DDD	13774	20.269
DDE	1248	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15022	765531	1.96

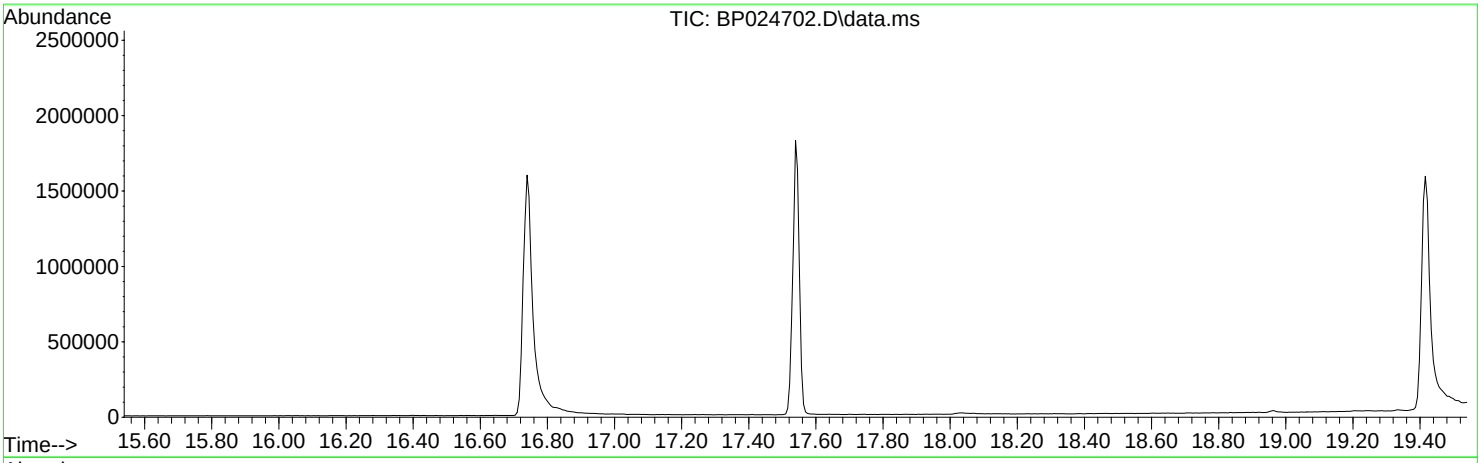
Sample Results: **BP024702.D**

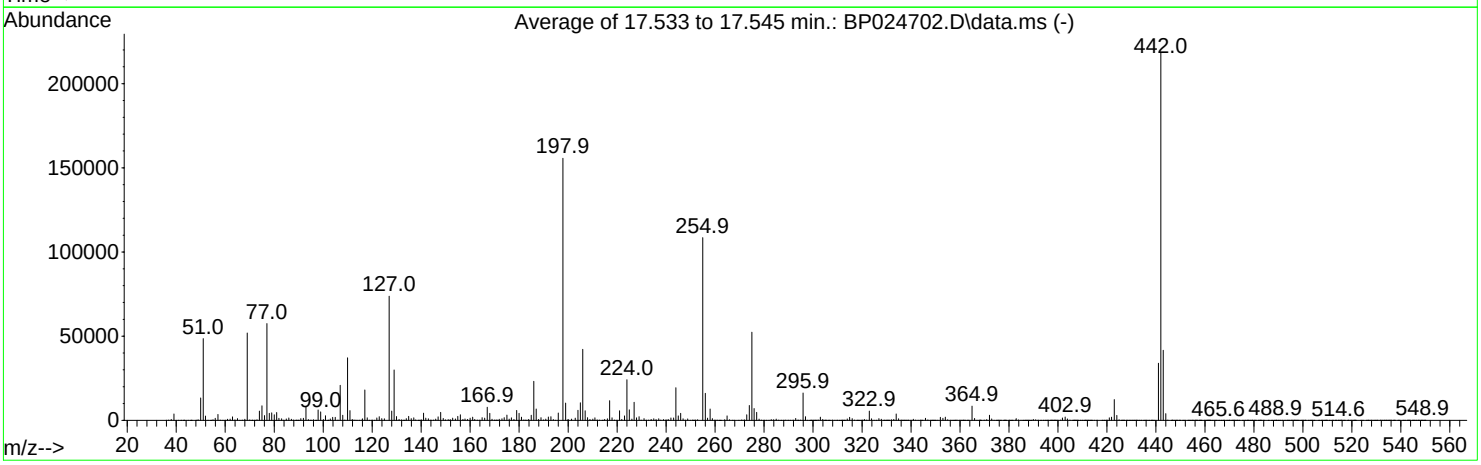
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025





AutoFind: Scans 2456, 2457, 2458; Background Corrected with Scan 2447

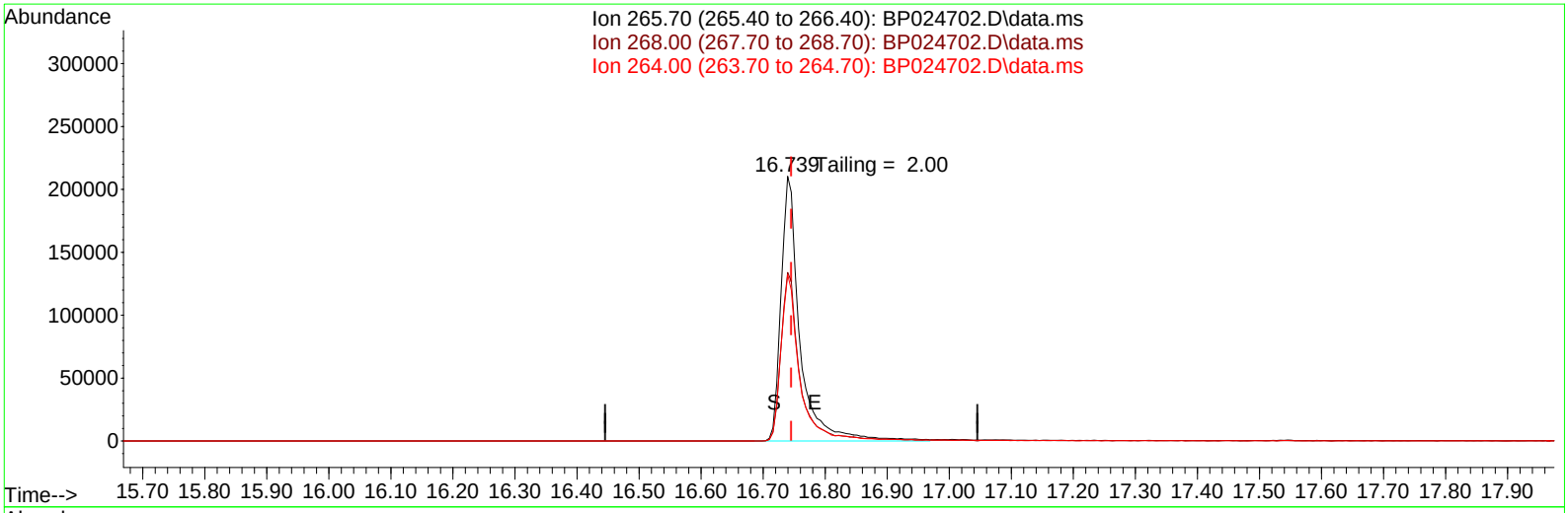
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.2	48558	PASS
68	69	0.00	2	1.3	692	PASS
69	198	0.00	100	33.3	51898	PASS
70	69	0.00	2	0.6	286	PASS
127	198	10	80	47.4	73724	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	155659	PASS
199	198	5	9	6.6	10281	PASS
275	198	10	60	33.6	52370	PASS
365	198	1	100	5.4	8455	PASS
441	198	0.01	100	21.8	33949	PASS
442	442	100	100	100.0	218491	PASS
443	442	15	24	19.0	41616	PASS

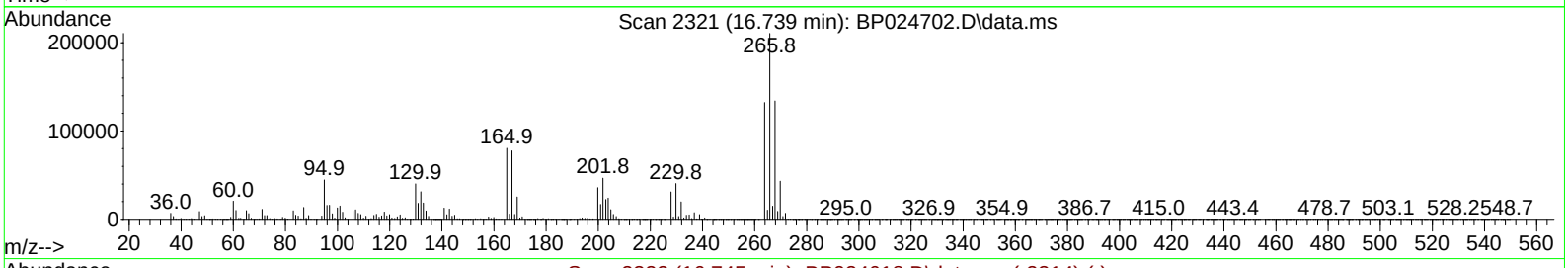
Sample Results: **BP024702.D**

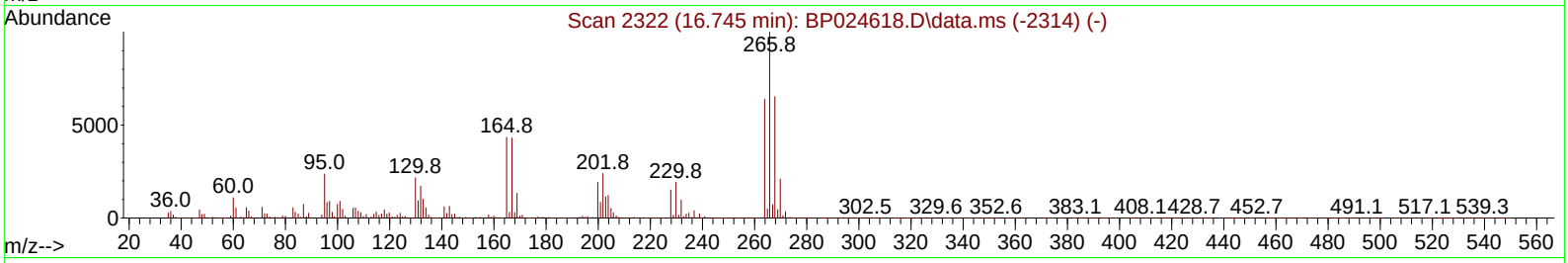
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 20 12:58:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024702.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.006) 1977139.32 ng

response 448686

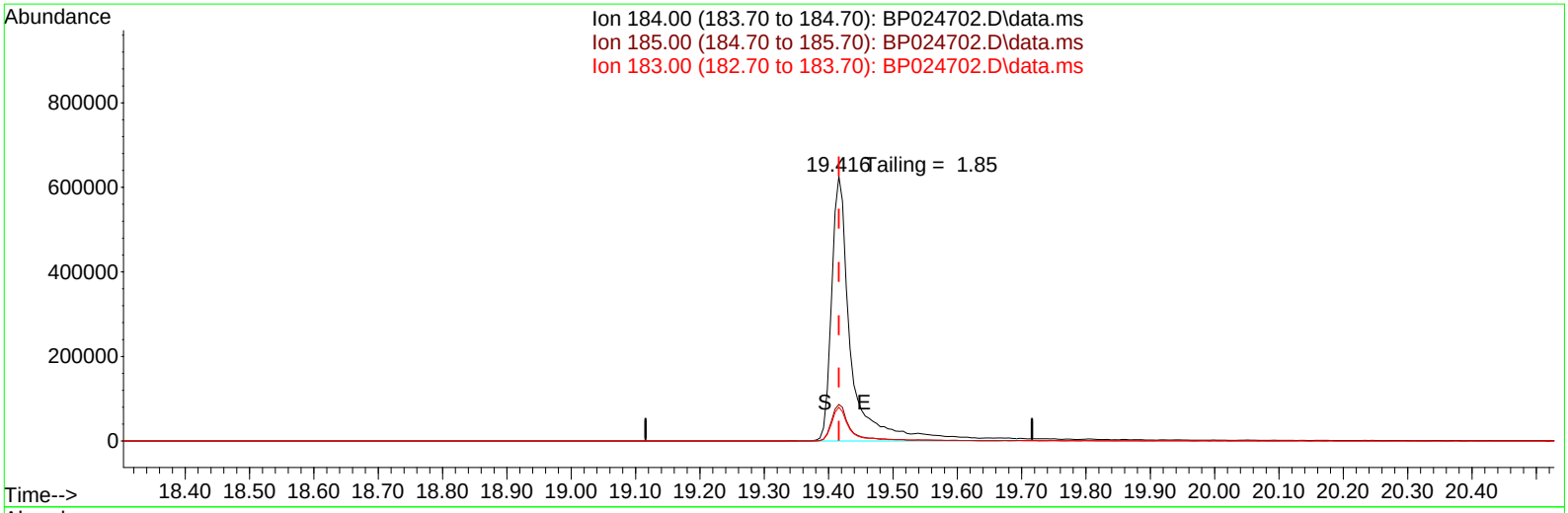
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	63.67
264.00	63.90	62.85
0.00	0.00	0.00

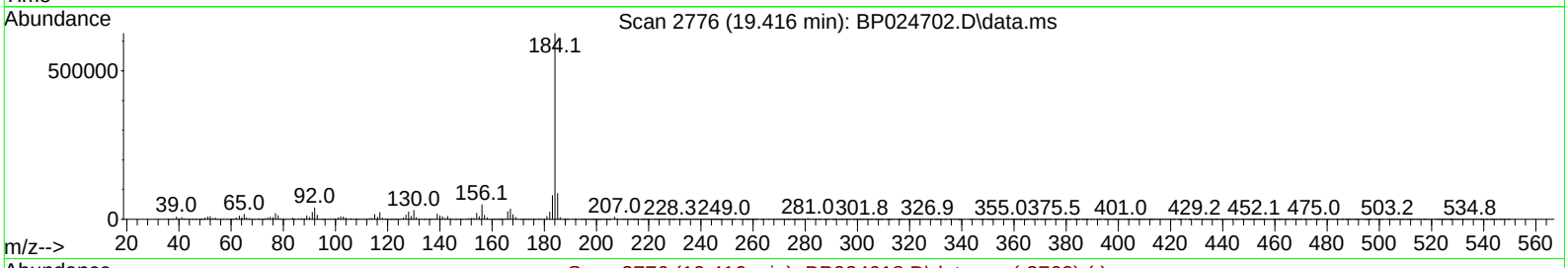
Sample Results: **BP024702.D**

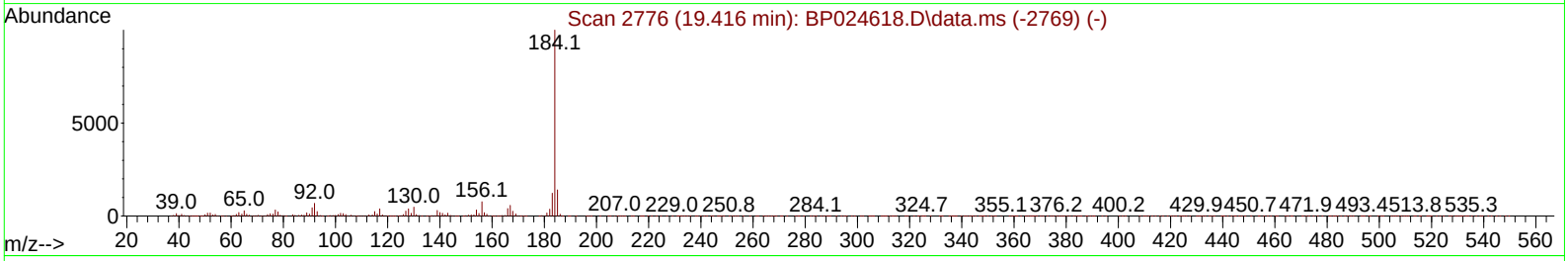
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 20 12:58:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024702.D\data.ms

(77) Benzidine

19.416min (-0.000) 89911.52 ng

response 1248901

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.86
183.00	12.30	12.78
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/20/2025	BNA_P	BP024702.D
Compound Name	**Response**	**Retention Time**
DDT	589251	20.698
DDD	22194	20.239
DDE	3176	19.71
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25370	614621	4.13

Raw Data: **BP024706.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

Raw Data: **BP024706.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

Raw Data: **BP024706.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133		19 - 119		88%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 130		81%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		50 - 134		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134000	7.658				
1146-65-2	Naphthalene-d8	501000	10.428				
15067-26-2	Acenaphthene-d10	301000	14.287				
1517-22-2	Phenanthrene-d10	642000	17.092				
1719-03-5	Chrysene-d12	692000	21.522				
1520-96-3	Perylene-d12	757000	24.821				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.90	A			4.82	ug/L

Raw Data: **BP024706.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Quant Time: May 20 14:28:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

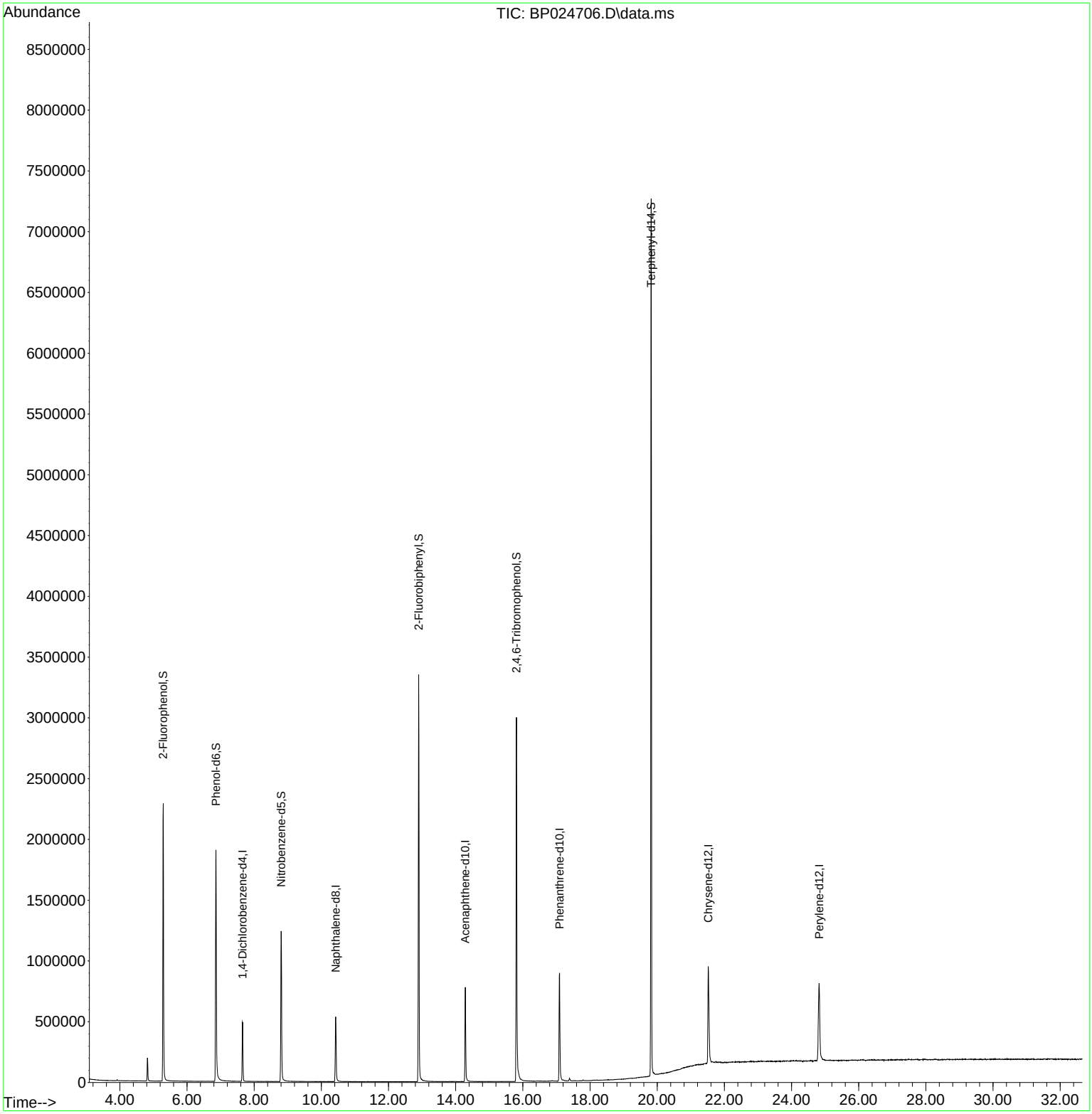
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	134412	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	500749	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	300658	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	642481	20.000	ng	0.00
76) Chrysene-d12	21.522	240	691700	20.000	ng	0.00
86) Perylene-d12	24.821	264	756782	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1042522	132.659	ng	0.00
7) Phenol-d6	6.863	99	1220255	121.663	ng	0.01
23) Nitrobenzene-d5	8.805	82	754094	76.089	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	739588	145.102	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1762567	76.804	ng	0.00
79) Terphenyl-d14	19.822	244	3635117	90.113	ng	0.01
Target Compounds						Qvalue

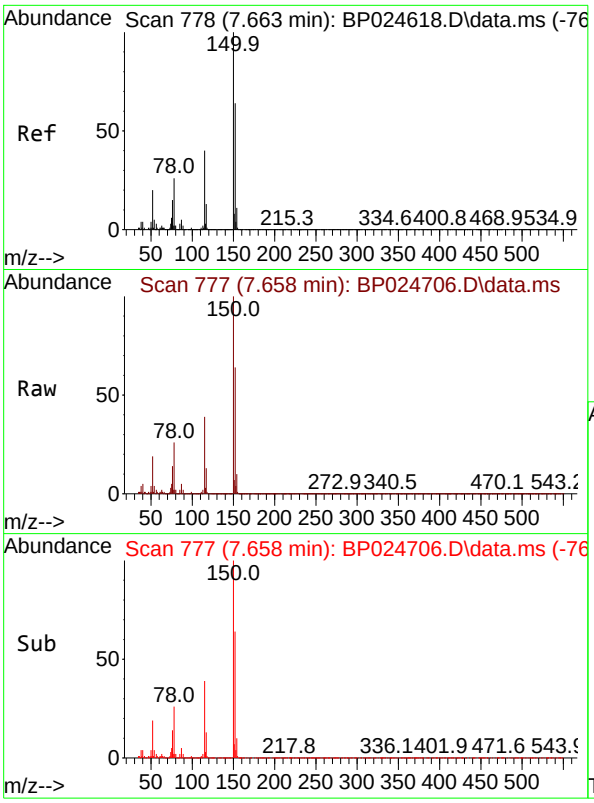
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Quant Time: May 20 14:28:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



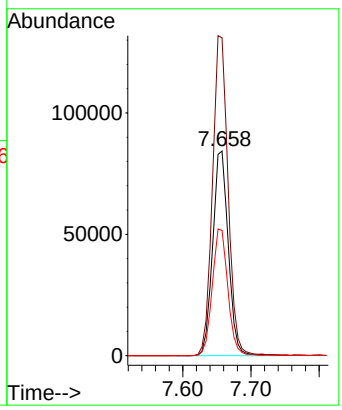


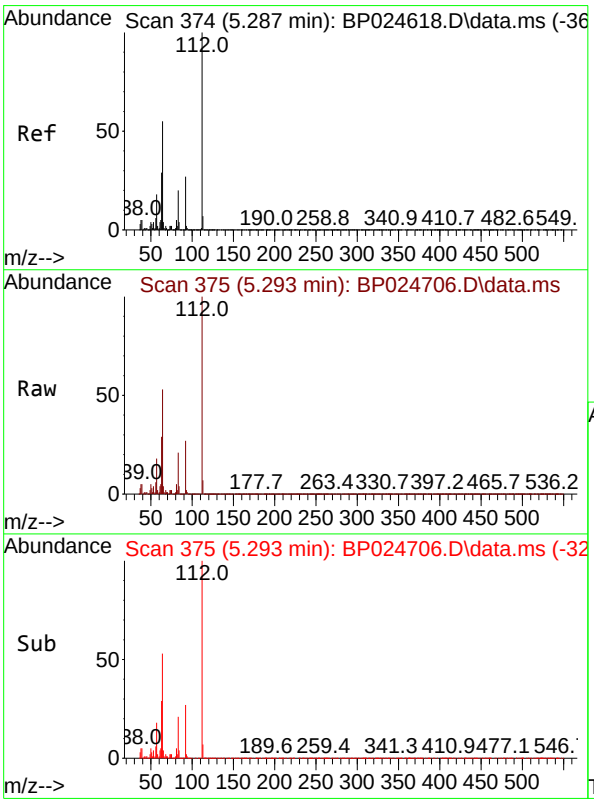
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion:152 Resp: 134412

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.9	188.9
115	61.2	50.1	75.1

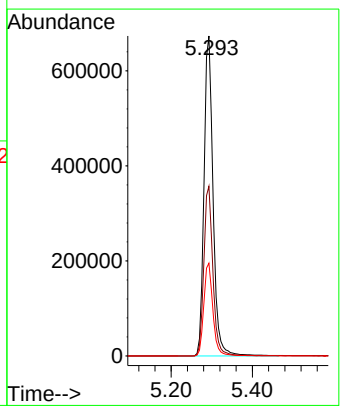


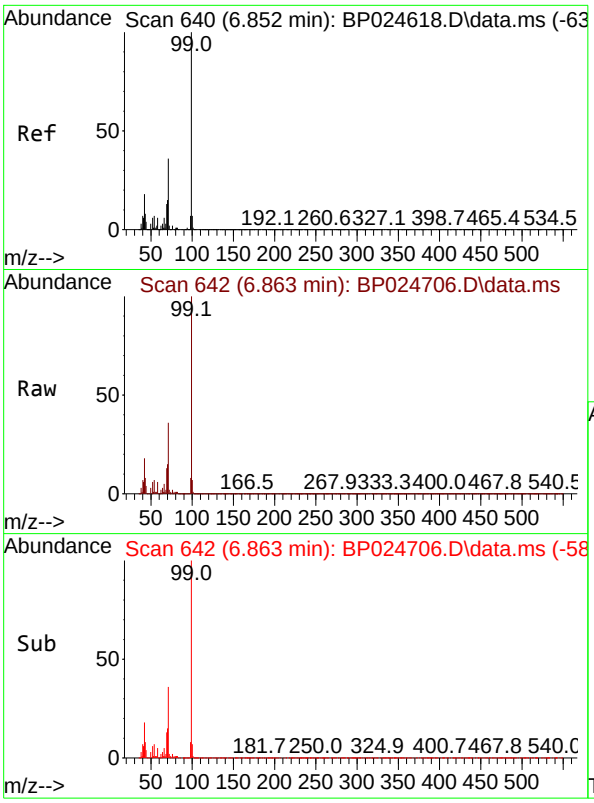


#5
2-Fluorophenol
Concen: 132.659 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:112 Resp: 1042522

Ion	Ratio	Lower	Upper
112	100		
64	53.0	44.1	66.1
63	29.0	23.5	35.3



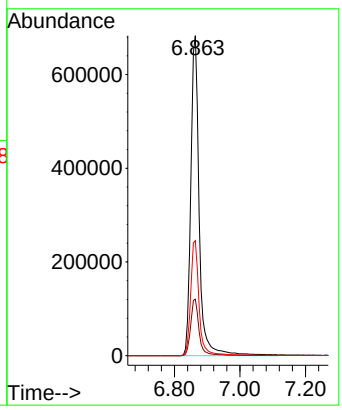


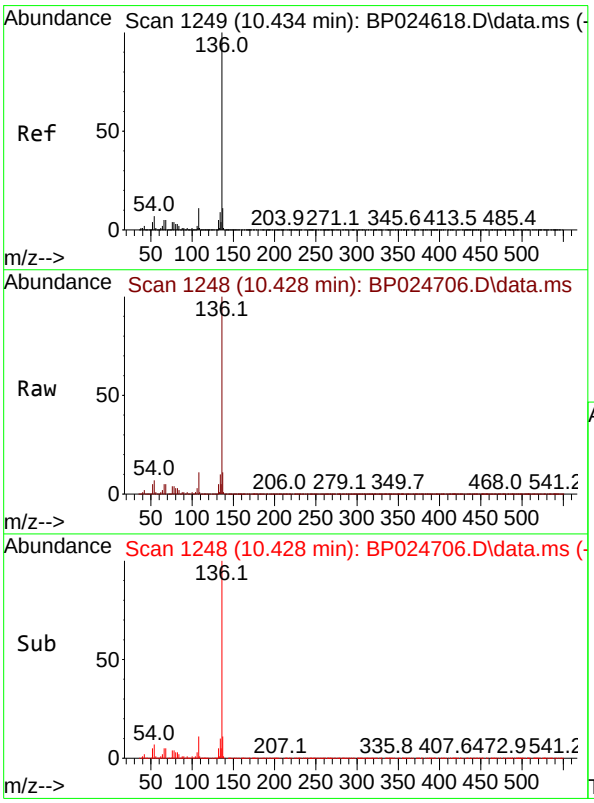
#7
Phenol-d6
Concen: 121.663 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion: 99 Resp: 1220255

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	36.0	29.2	43.8

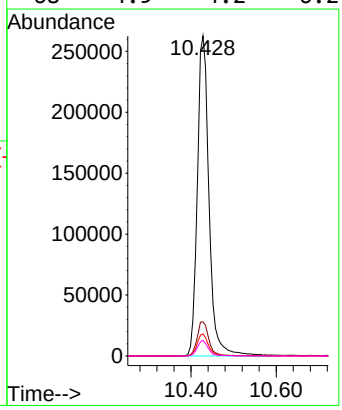


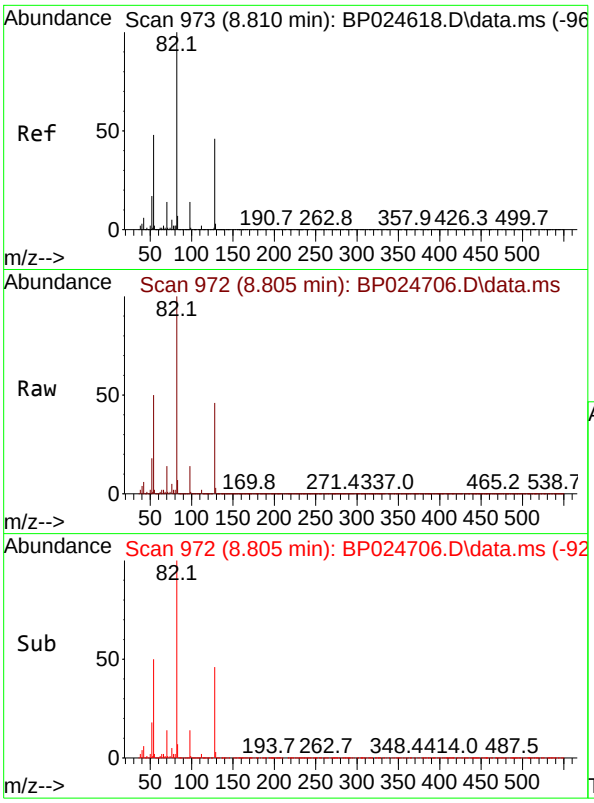


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:136 Resp: 500749

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.9	5.5	8.3
68	4.9	4.2	6.2



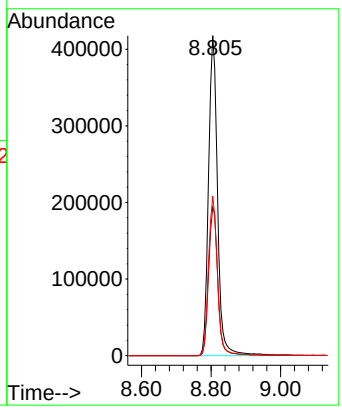


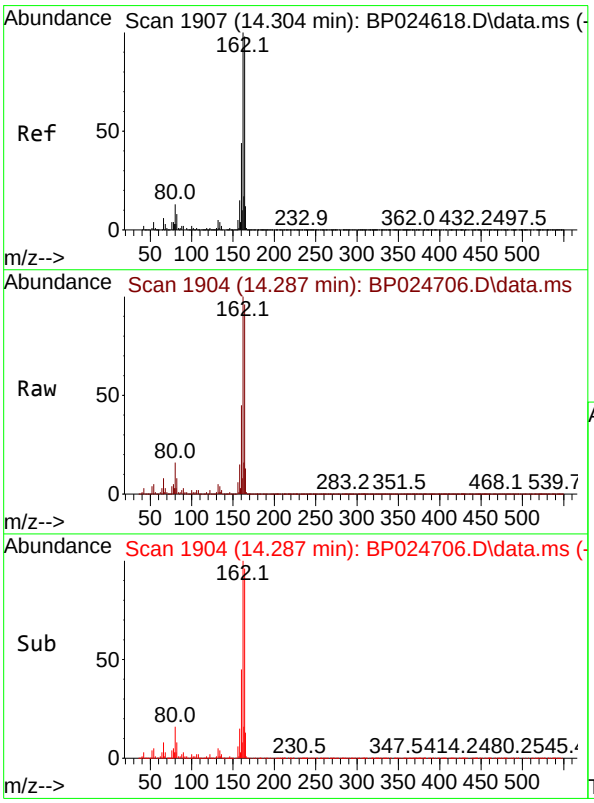
#23
Nitrobenzene-d5
Concen: 76.089 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion: 82 Resp: 754094

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.4
54	49.8	38.7	58.1

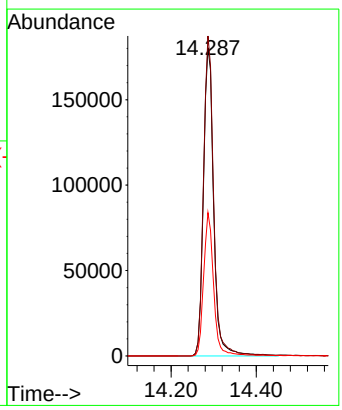


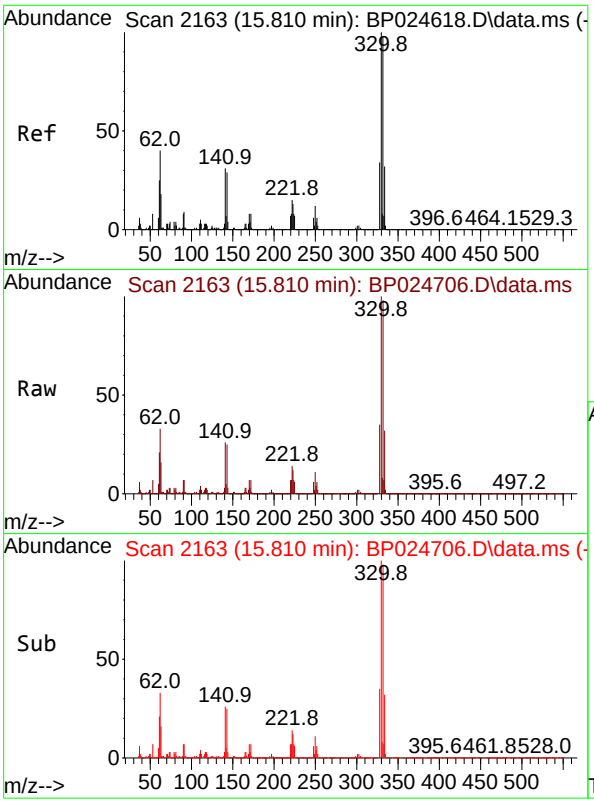


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:164 Resp: 300658

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	46.5	36.3	54.5



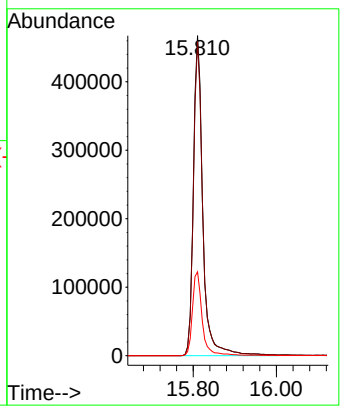


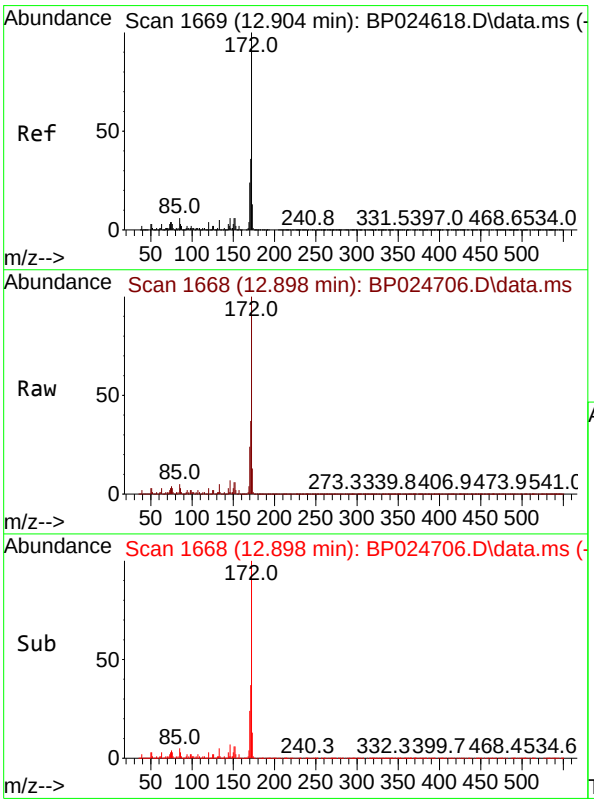
#42
2,4,6-Tribromophenol
Concen: 145.102 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion:330 Resp: 739588

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	27.2	24.3	36.5

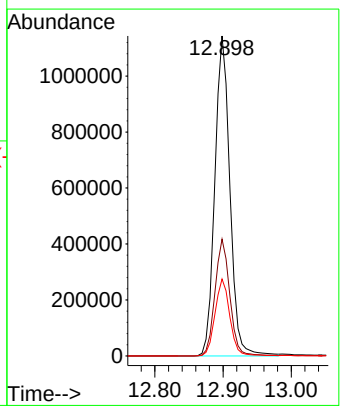


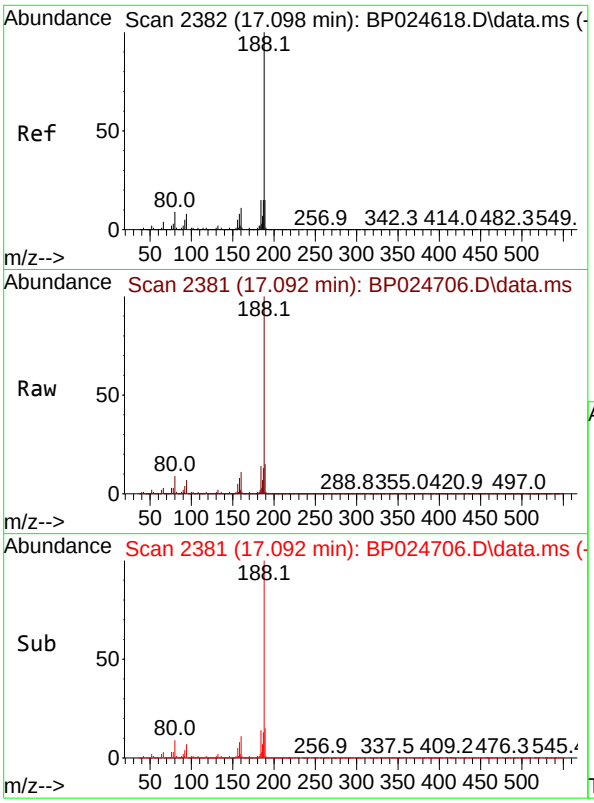


#45
2-Fluorobiphenyl
Concen: 76.804 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:172 Resp: 1762567

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	24.0	18.8	28.2



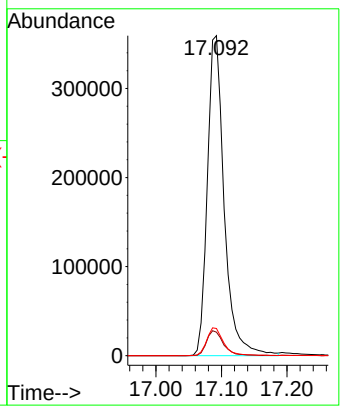


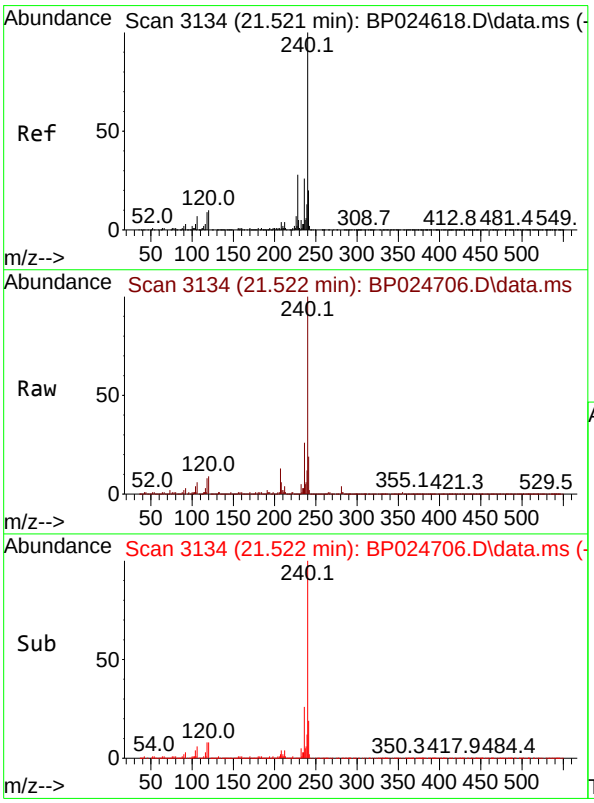
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion:188 Resp: 642481

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.5	9.7
80	8.5	7.3	10.9

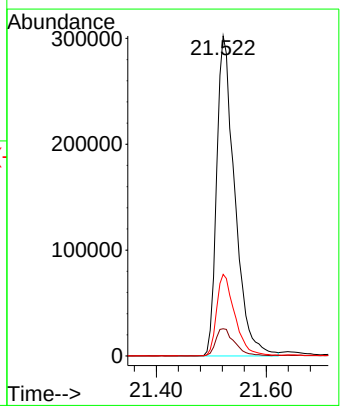


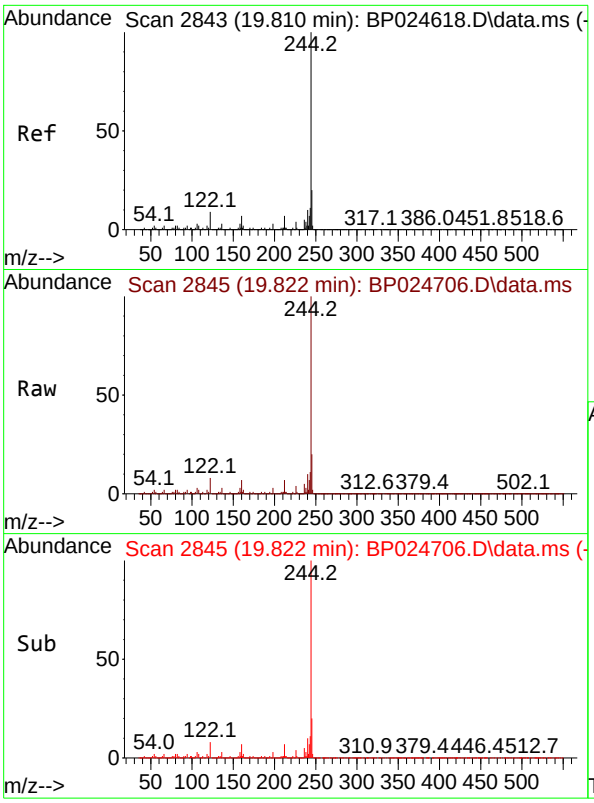


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:240 Resp: 691700

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	25.5	20.6	31.0



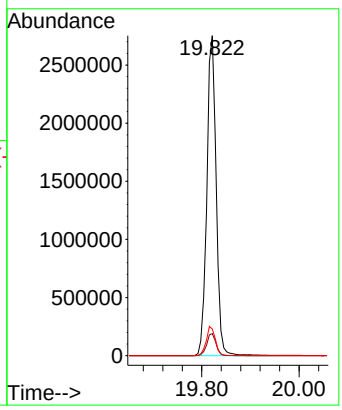


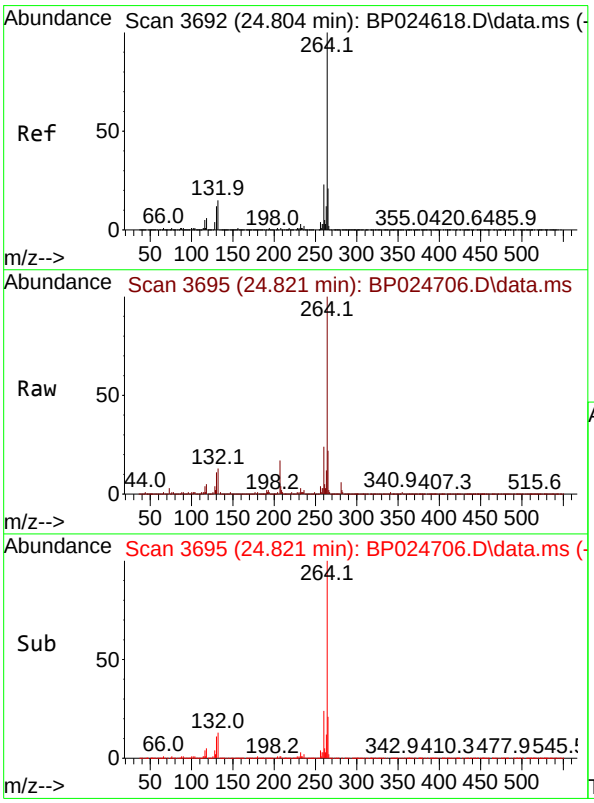
#79
Terphenyl-d14
Concen: 90.113 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Tgt Ion:244 Resp: 3635117

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	7.4	11.0

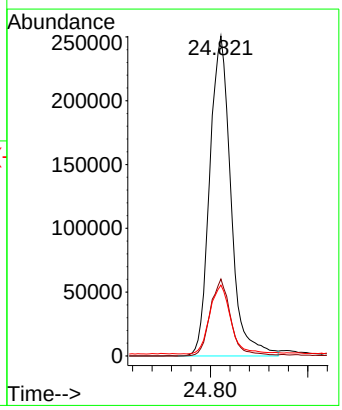




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.821 min Scan# 3695
Delta R.T. 0.018 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:264 Resp: 756782

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	17.0	25.6



Sample Results: **BP024706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024706.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.822	290	295	304	rBV	190498	266261	2.75%	0.711%
2	5.293	368	375	394	rBV	2283928	3532627	36.49%	9.432%
3	6.863	633	642	661	rBV	1904091	3395538	35.07%	9.066%
4	7.652	769	776	789	rBV	486824	774131	8.00%	2.067%
5	8.805	965	972	996	rBV	1237316	2252985	23.27%	6.016%
6	10.428	1240	1248	1268	rBV	532443	1008316	10.42%	2.692%
7	12.898	1660	1668	1682	rBV	3349085	5175299	53.46%	13.818%
8	14.287	1896	1904	1923	rBV	776473	1285175	13.27%	3.432%
9	15.810	2156	2163	2182	rBV	2995031	4794305	49.52%	12.801%
10	17.092	2374	2381	2396	rBV2	888871	1608008	16.61%	4.294%
11	19.822	2838	2845	2857	rBV	7214986	9681201	100.00%	25.850%
12	21.522	3128	3134	3150	rBV2	793149	1843944	19.05%	4.923%
13	24.821	3686	3695	3712	rVB	626783	1834206	18.95%	4.897%

Sum of corrected areas: 37451996

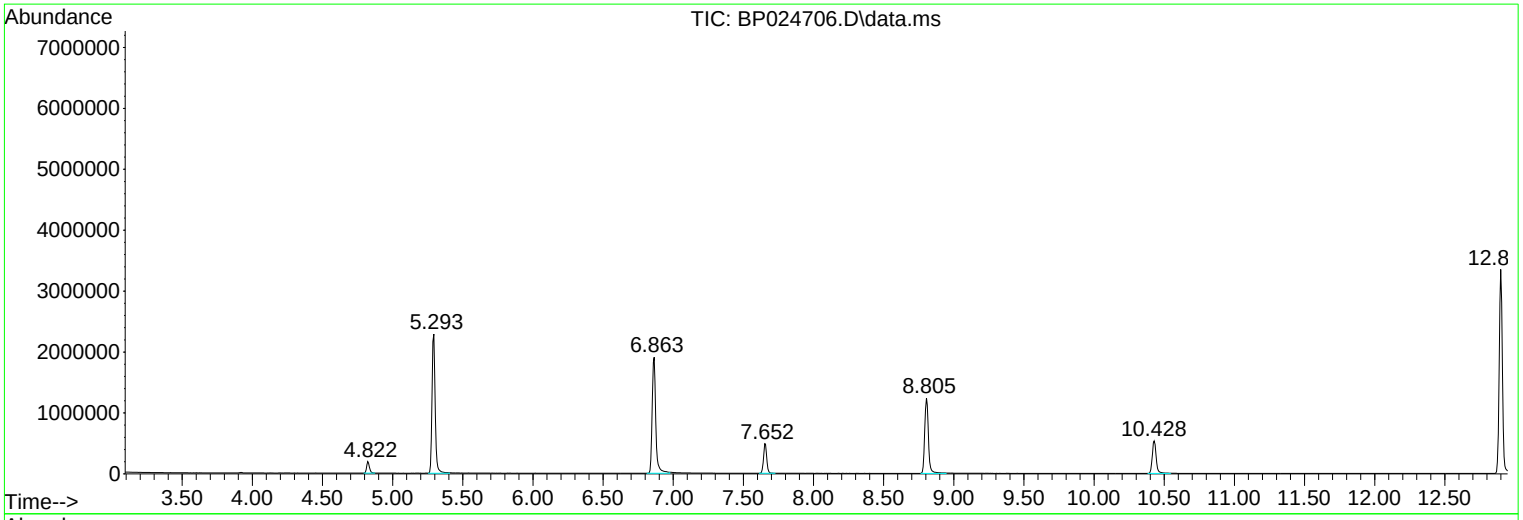
Sample Results: **BP024706.D**

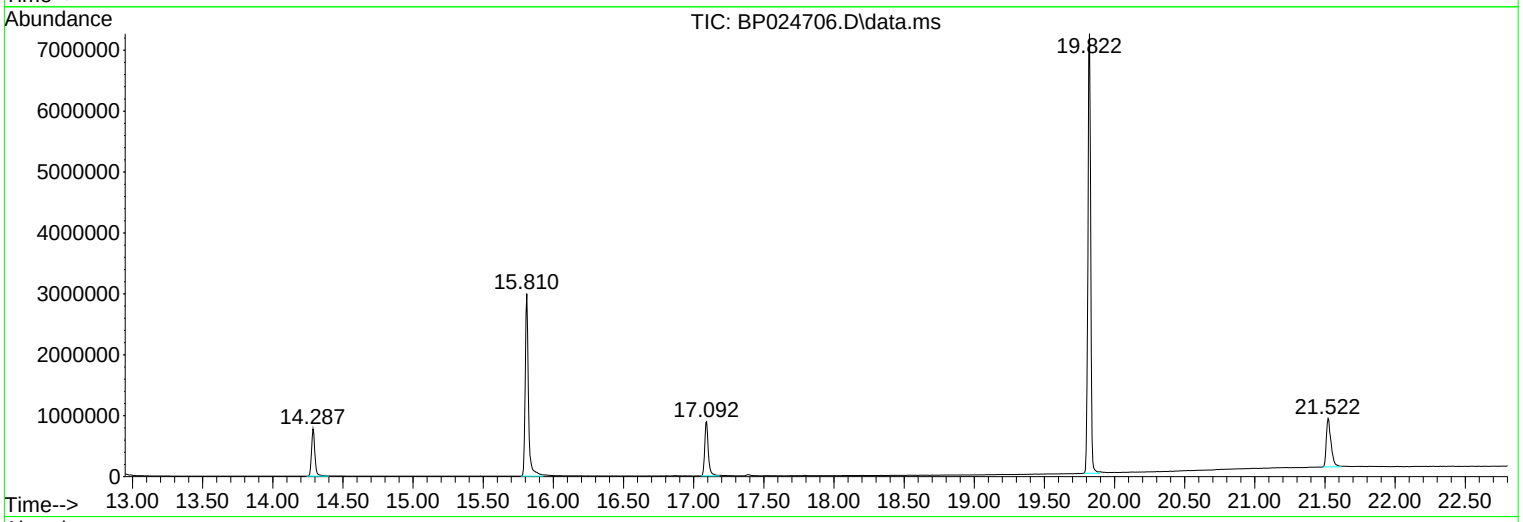
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

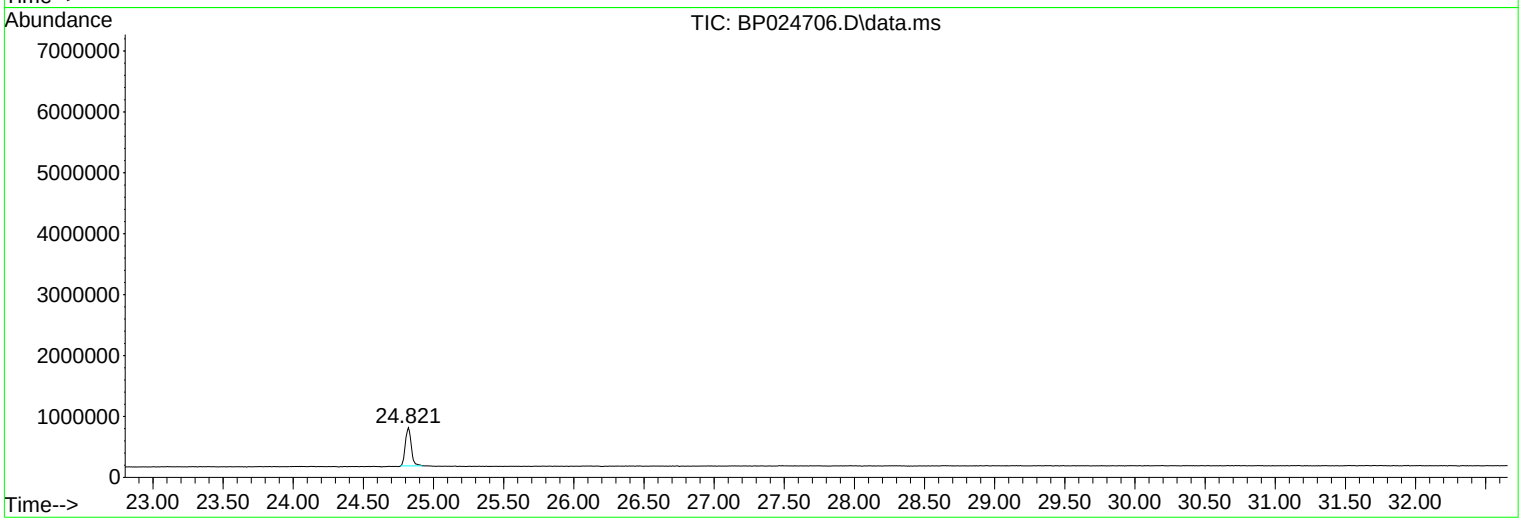
Instrument :
BNA_P
ClientSampleId :
PB168048BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BL

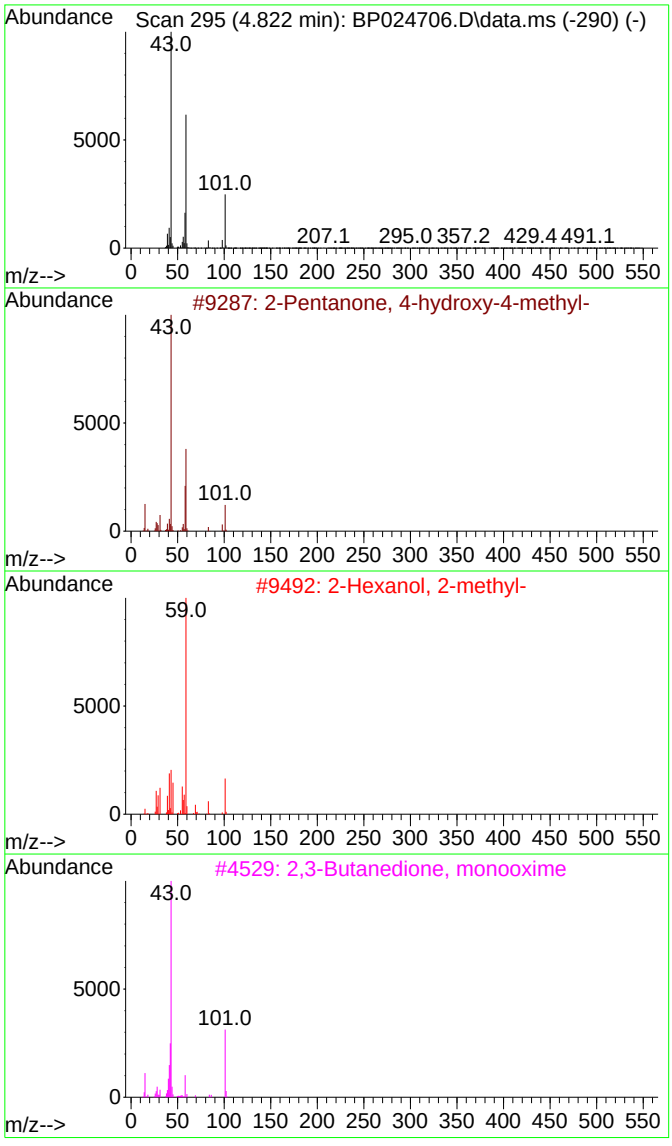
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

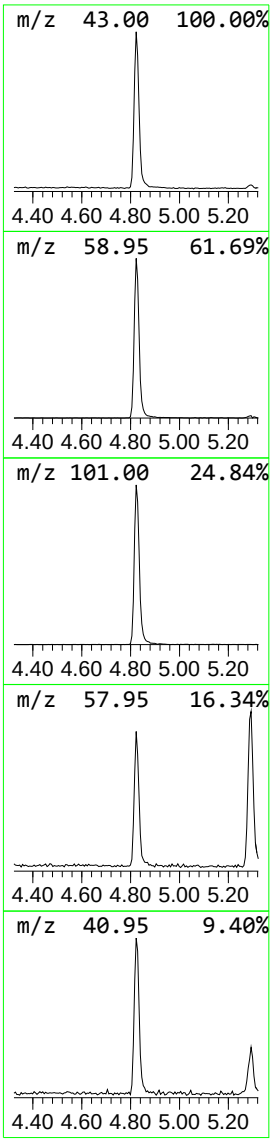
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.822	6.88 ng	266261	1,4-Dichlorobenzene-d4	7.658

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Sample Results: **BP024706.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.822	6.9	ng	266261	1	7.658	774131	20.0

Raw Data: **BP024707.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	30.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	40.0		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	41.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	39.9		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34.9		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	38.9		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	33.4		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	38.0		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	37.8		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	35.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.2		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	39.7		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.2	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	43.3		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	42.4		0.61	4.00	5.00	ug/L

Raw Data: **BP024707.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	41.4		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.3		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	41.3		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.6	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.5		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	42.2		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	41.6		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.5		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	42.4		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	40.0		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.3		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.6		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.4		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	44.4		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.8	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	40.6		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	42.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.5		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	42.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.1		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.0		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.9		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	40.8		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.4		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		0.49	4.00	5.00	ug/L

Raw Data: **BP024707.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.7		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.1		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.5		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	30.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122		19 - 119		82%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 130		78%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.5		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		44 - 119		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		43 - 140		93%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		50 - 134		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125000	7.657				
1146-65-2	Naphthalene-d8	495000	10.428				
15067-26-2	Acenaphthene-d10	304000	14.287				
1517-22-2	Phenanthrene-d10	614000	17.081				
1719-03-5	Chrysene-d12	693000	21.516				
1520-96-3	Perylene-d12	828000	24.792				

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\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.657	152	124819	20.000	ng		0.00
21) Naphthalene-d8	10.428	136	494827	20.000	ng		0.00
39) Acenaphthene-d10	14.287	164	304328	20.000	ng		-0.02
64) Phenanthrene-d10	17.081	188	614284	20.000	ng		-0.02
76) Chrysene-d12	21.516	240	693187	20.000	ng		0.00
86) Perylene-d12	24.792	264	827509	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	893003	122.366	ng		0.00
7) Phenol-d6	6.863	99	1089104	116.932	ng		0.01
23) Nitrobenzene-d5	8.810	82	680416	69.477	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	718839	139.330	ng		0.00
45) 2-Fluorobiphenyl	12.892	172	1730298	74.489	ng		-0.01
79) Terphenyl-d14	19.816	244	3106963	76.855	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	105719	30.850	ng		97
3) Pyridine	3.617	79	245584	32.320	ng		93
4) n-Nitrosodimethylamine	3.528	42	126980	37.853	ng		84
6) Aniline	6.999	93	311151	25.875	ng		99
8) 2-Chlorophenol	7.234	128	345097	41.656	ng		99
9) Benzaldehyde	6.810	77	184460	30.594	ng		99
10) Phenol	6.887	94	384088	39.954	ng		96
11) bis(2-Chloroethyl)ether	7.093	93	281912	35.689	ng		99
12) 1,3-Dichlorobenzene	7.546	146	372303	39.061	ng		99
13) 1,4-Dichlorobenzene	7.693	146	377192	39.347	ng		99
14) 1,2-Dichlorobenzene	8.005	146	361042	38.651	ng		100
15) Benzyl Alcohol	7.905	79	282068	39.852	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.175	45	330220	34.907	ng		99
17) 2-Methylphenol	8.116	107	274999	39.885	ng		98
18) Hexachloroethane	8.716	117	139528	37.982	ng		97
19) n-Nitroso-di-n-propyla...	8.457	70	215124	33.390	ng		96
20) 3+4-Methylphenols	8.446	107	363562	38.764	ng		96
22) Acetophenone	8.475	105	480484	38.873	ng	#	100
24) Nitrobenzene	8.846	77	325420	37.759	ng		96
25) Isophorone	9.369	82	610351	35.928	ng		98
26) 2-Nitrophenol	9.551	139	184377	43.659	ng		96
27) 2,4-Dimethylphenol	9.628	122	319643	42.929	ng		100
28) bis(2-Chloroethoxy)met...	9.846	93	377505	37.195	ng		99
29) 2,4-Dichlorophenol	10.104	162	316434	43.856	ng		98
30) 1,2,4-Trichlorobenzene	10.293	180	333960	41.073	ng		97
31) Naphthalene	10.475	128	1011010	39.427	ng		100
32) Benzoic acid	9.804	122	190843	38.557	ng		97
33) 4-Chloroaniline	10.599	127	201537	19.477	ng		99
34) Hexachlorobutadiene	10.757	225	223160	42.367	ng		98
35) Caprolactam	11.393	113	103513	39.652	ng		97
36) 4-Chloro-3-methylphenol	11.746	107	368425	41.871	ng		99
37) 2-Methylnaphthalene	12.087	142	656171	39.519	ng		99
38) 1-Methylnaphthalene	12.310	142	701480	39.485	ng		99
40) 1,2,4,5-Tetrachloroben...	12.457	216	384111	43.465	ng		100
41) Hexachlorocyclopentadiene	12.434	237	477928	89.188	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	265360	46.359	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

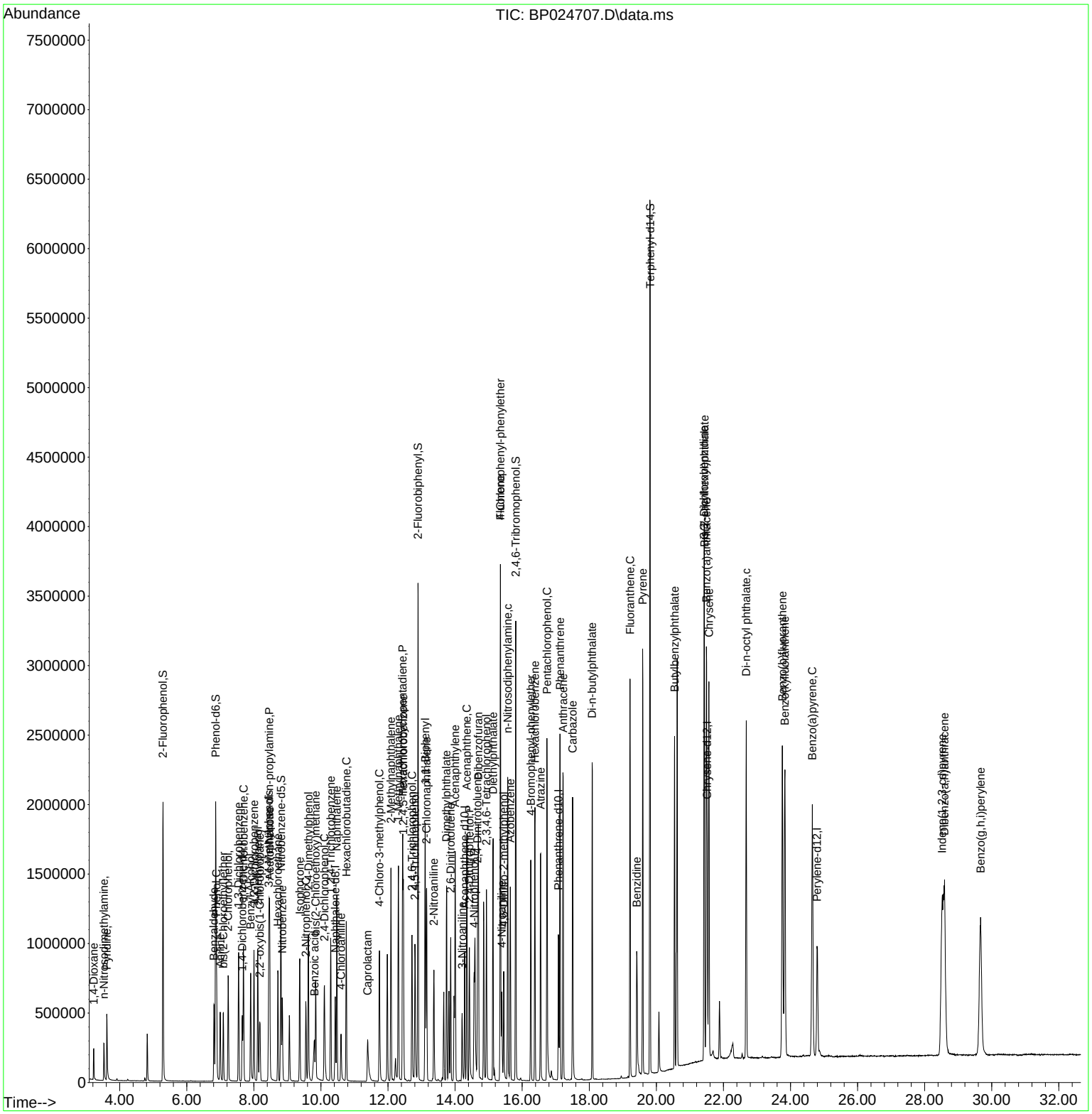
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	286530	44.970	ng		98
46) 1,1'-Biphenyl	13.110	154	963510	42.836	ng		99
47) 2-Chloronaphthalene	13.151	162	737226	42.986	ng		99
48) 2-Nitroaniline	13.369	65	219663	43.261	ng		96
49) Acenaphthylene	14.004	152	1189545	41.446	ng		100
50) Dimethylphthalate	13.745	163	984006	42.421	ng		100
51) 2,6-Dinitrotoluene	13.869	165	210670	43.004	ng		99
52) Acenaphthene	14.351	154	680659	41.253	ng		100
53) 3-Nitroaniline	14.210	138	131765	26.342	ng		97
54) 2,4-Dinitrophenol	14.428	184	252393	81.567	ng		96
55) Dibenzofuran	14.692	168	1109951	42.175	ng		99
56) 4-Nitrophenol	14.569	139	325725	75.469	ng		97
57) 2,4-Dinitrotoluene	14.669	165	308420	44.656	ng		97
58) Fluorene	15.351	166	910033	42.407	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	256167	43.340	ng		97
60) Diethylphthalate	15.134	149	974989	41.587	ng		99
61) 4-Chlorophenyl-phenyle...	15.351	204	455268	42.541	ng		99
62) 4-Nitroaniline	15.392	138	193166	39.994	ng		99
63) Azobenzene	15.645	77	814077	40.590	ng		96
65) 4,6-Dinitro-2-methylph...	15.451	198	175622	44.261	ng		98
66) n-Nitrosodiphenylamine	15.569	169	803540	42.587	ng		99
67) 4-Bromophenyl-phenylether	16.257	248	318593	44.014	ng		99
68) Hexachlorobenzene	16.381	284	408492	44.412	ng		94
69) Atrazine	16.551	200	307059	44.406	ng		99
70) Pentachlorophenol	16.739	266	510226	98.822	ng		100
71) Phenanthrene	17.128	178	1386666	40.607	ng		99
72) Anthracene	17.222	178	1457149	42.411	ng		100
73) Carbazole	17.504	167	1335342	42.941	ng		100
74) Di-n-butylphthalate	18.086	149	1657780	41.451	ng		99
75) Fluoranthene	19.216	202	1695882	42.484	ng		99
77) Benzidine	19.416	184	723227	38.307	ng		100
78) Pyrene	19.592	202	1760402	42.384	ng		99
80) Butylbenzylphthalate	20.545	149	796147	43.100	ng		96
81) Benzo(a)anthracene	21.492	228	1825211	41.934	ng		99
82) 3,3'-Dichlorobenzidine	21.421	252	533711	33.013	ng		100
83) Chrysene	21.569	228	1682550	40.778	ng		100
84) Bis(2-ethylhexyl)phtha...	21.433	149	1203178	44.315	ng		99
85) Di-n-octyl phthalate	22.680	149	2017155	45.433	ng		100
87) Indeno(1,2,3-cd)pyrene	28.521	276	2578470	42.681	ng	#	87
88) Benzo(b)fluoranthene	23.757	252	2012992	42.499	ng		98
89) Benzo(k)fluoranthene	23.833	252	2085330	42.726	ng		99
90) Benzo(a)pyrene	24.651	252	1937802	42.598	ng		98
91) Dibenzo(a,h)anthracene	28.592	278	2122778	43.192	ng		98
92) Benzo(g,h,i)perylene	29.668	276	2055756	42.061	ng		98

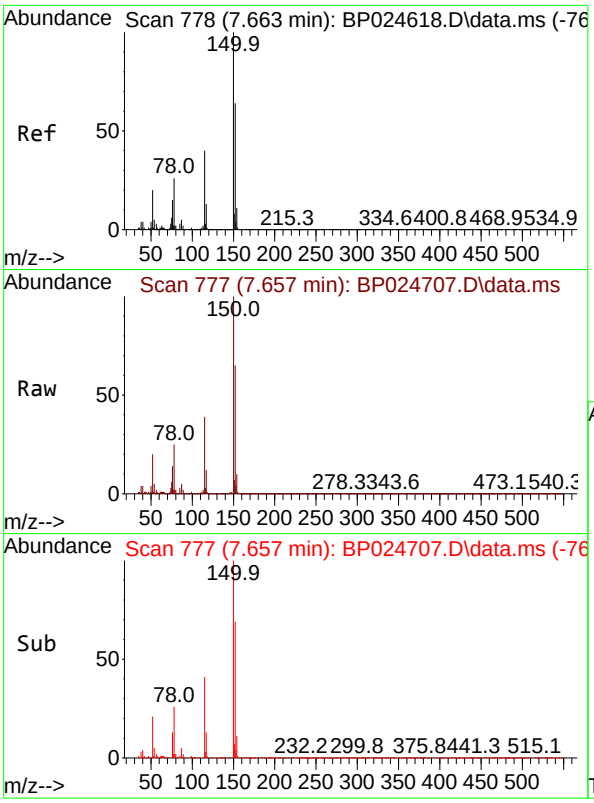
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



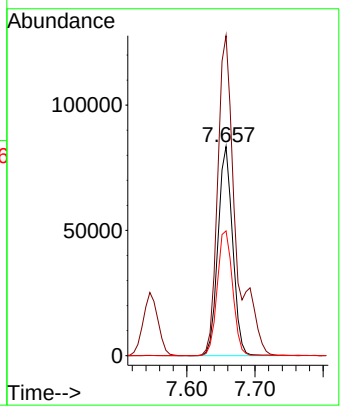


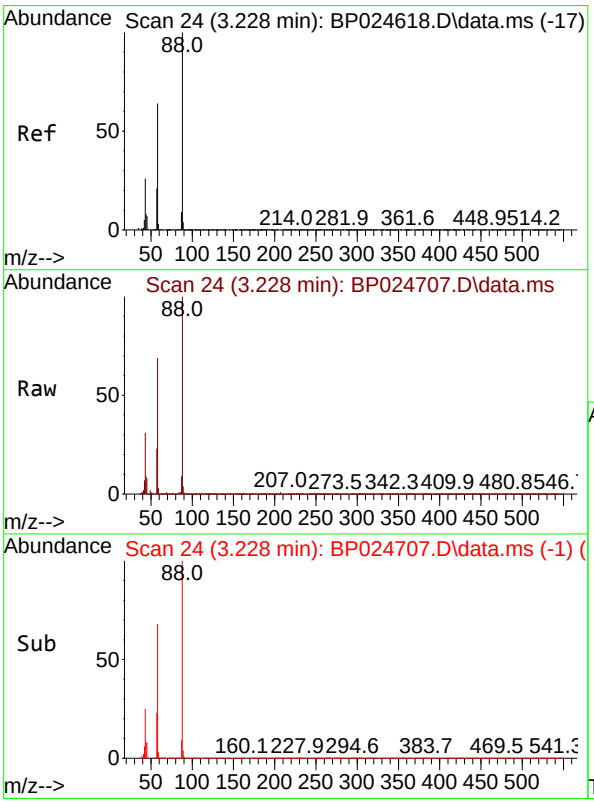
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:152 Resp: 124819

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.9	188.9
115	59.6	50.1	75.1

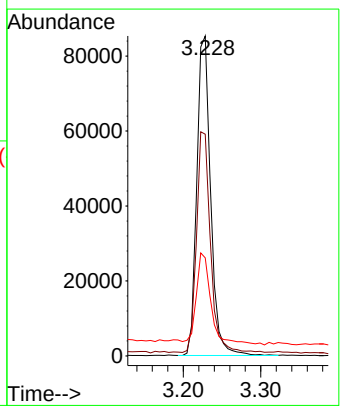


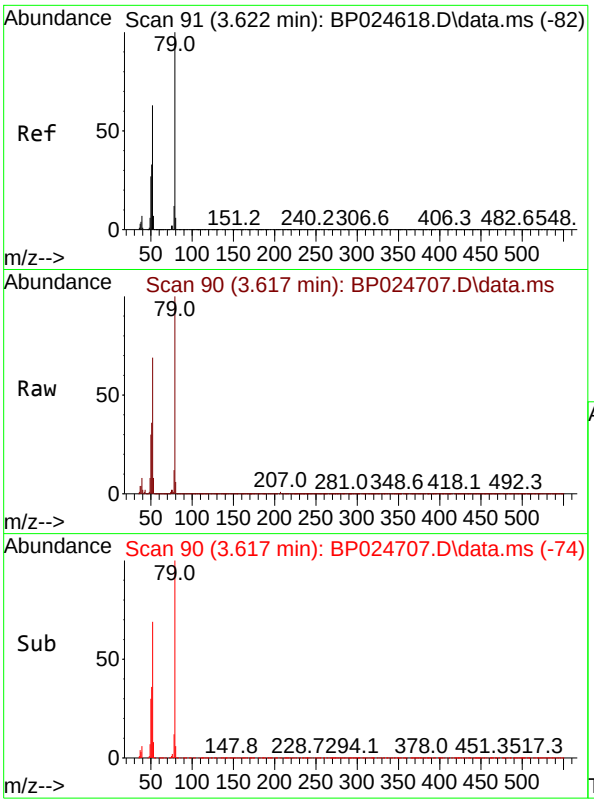


#2
1,4-Dioxane
Concen: 30.850 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 88 Resp: 105719

Ion	Ratio	Lower	Upper
88	100		
58	68.7	54.0	81.0
43	31.1	21.4	32.0



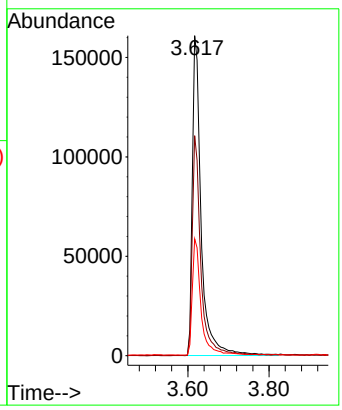


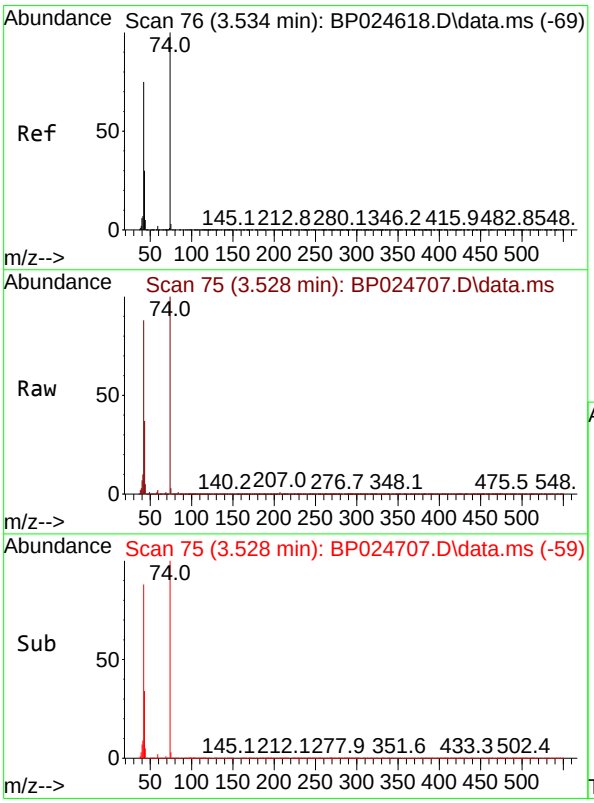
#3
Pyridine
Concen: 32.320 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 79 Resp: 245584

Ion	Ratio	Lower	Upper
79	100		
52	68.8	50.2	75.2
51	36.5	26.8	40.2

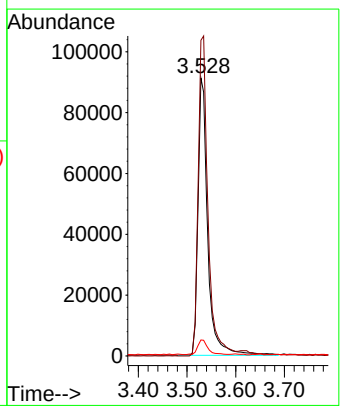


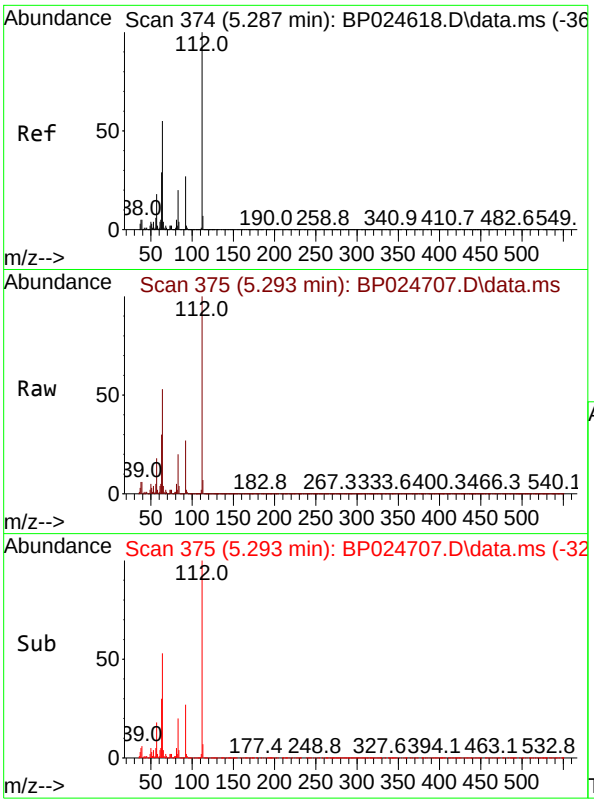


#4
n-Nitrosodimethylamine
Concen: 37.853 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 42 Resp: 126980

Ion	Ratio	Lower	Upper
42	100		
74	113.6	106.2	159.2
44	5.7	5.4	8.2



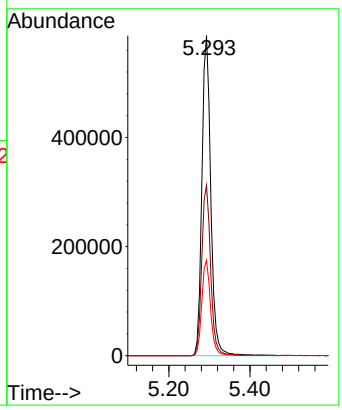


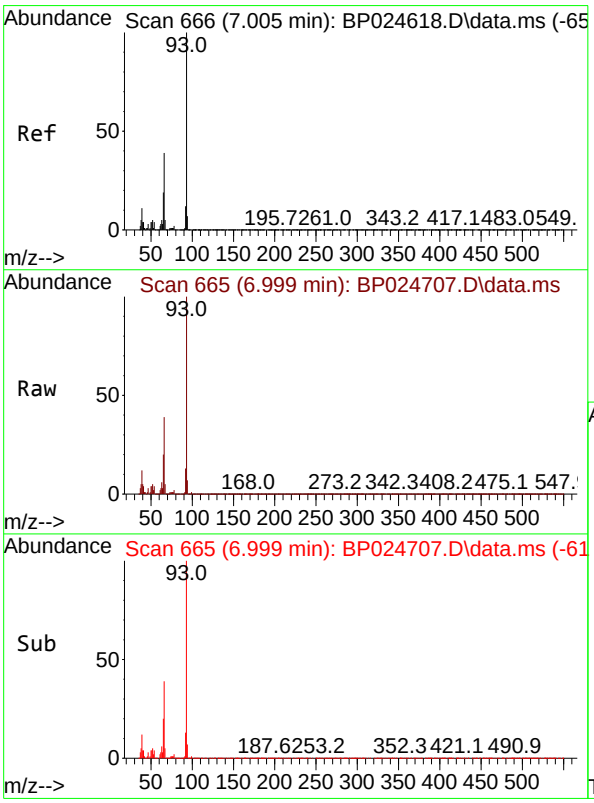
#5
2-Fluorophenol
Concen: 122.366 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:112 Resp: 893003

Ion	Ratio	Lower	Upper
112	100		
64	53.3	44.1	66.1
63	29.8	23.5	35.3

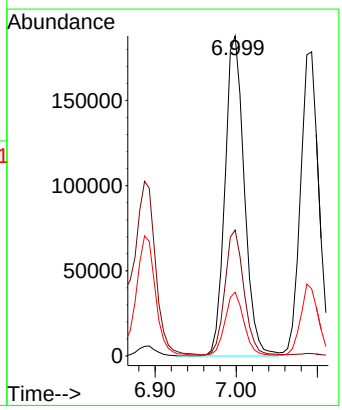


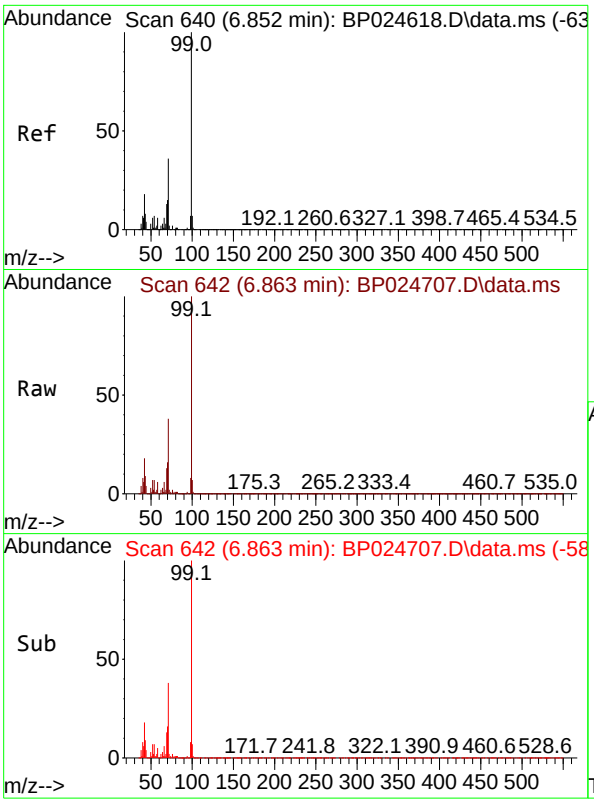


#6
Aniline
Concen: 25.875 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 93 Resp: 311151

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.0	46.6
65	19.9	15.5	23.3



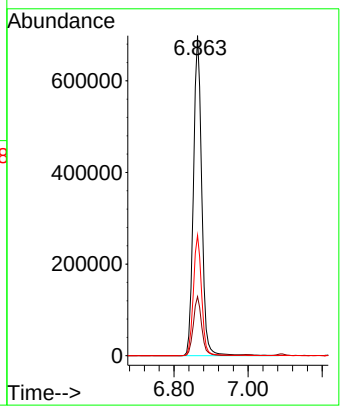


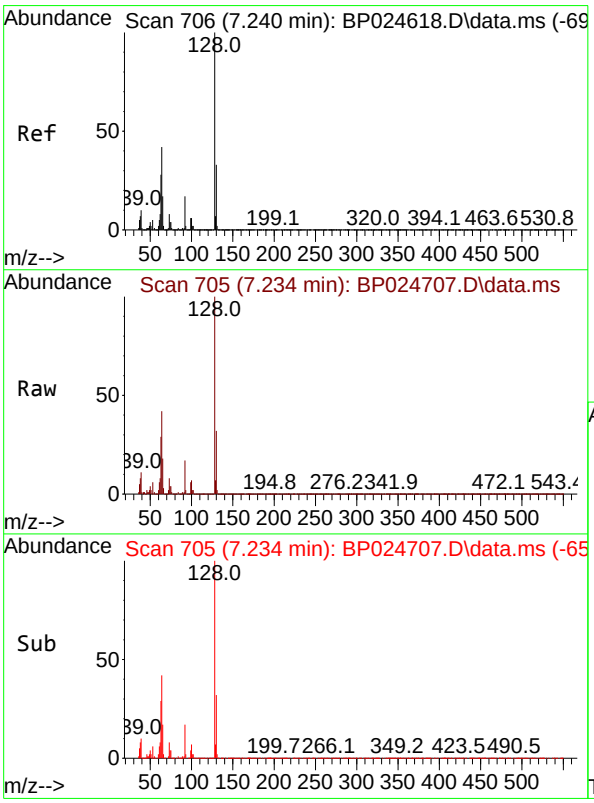
#7
Phenol-d6
Concen: 116.932 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 99 Resp: 1089104

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.4	21.6
71	37.6	29.2	43.8

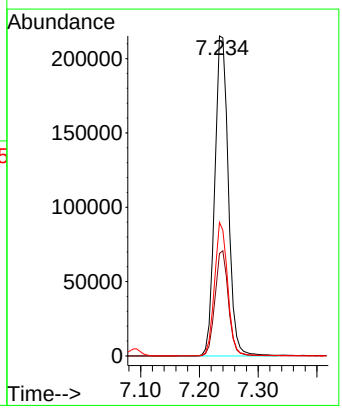


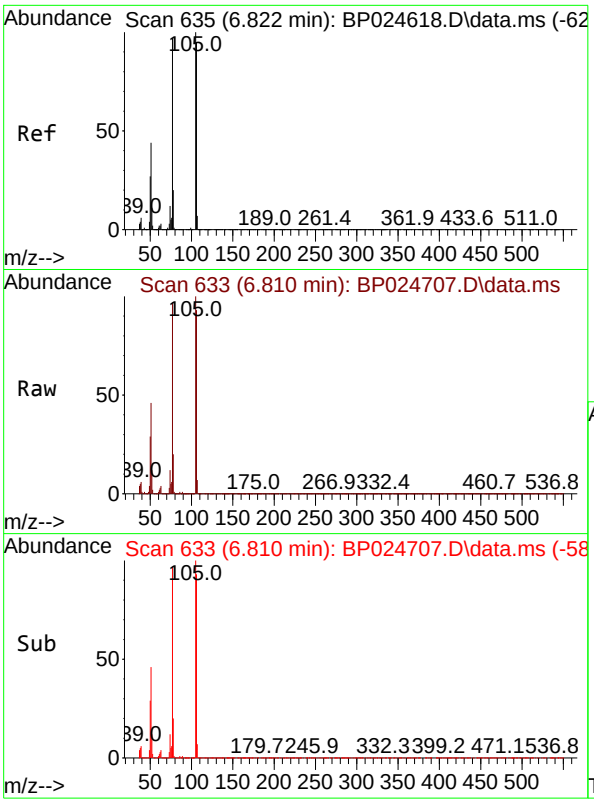


#8
2-Chlorophenol
Concen: 41.656 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:128 Resp: 345097

Ion	Ratio	Lower	Upper
128	100		
130	32.0	13.0	53.0
64	41.8	22.3	62.3



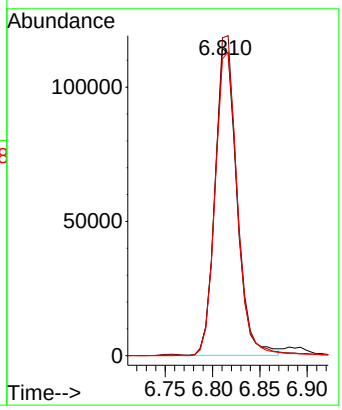


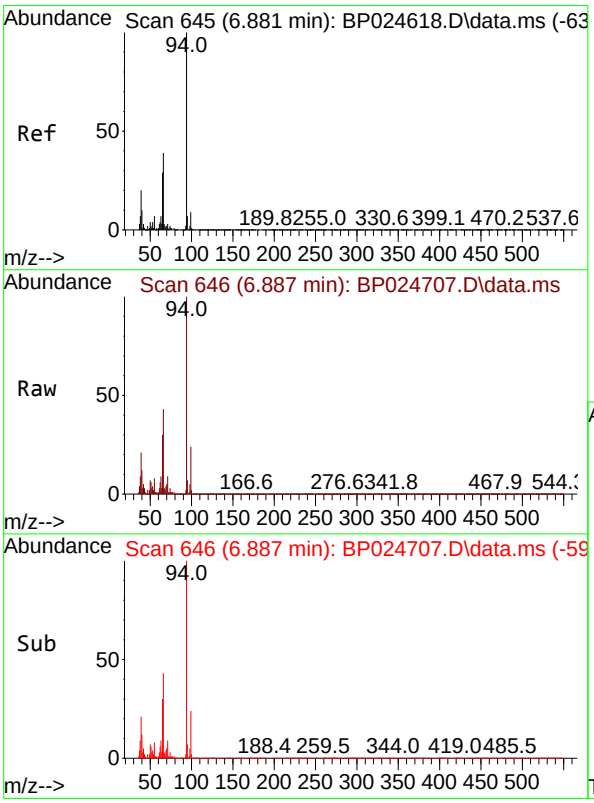
#9
Benzaldehyde
Concen: 30.594 ng
RT: 6.810 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 77 Resp: 184460

Ion	Ratio	Lower	Upper
77	100		
105	103.5	83.3	123.3
106	96.7	78.0	118.0

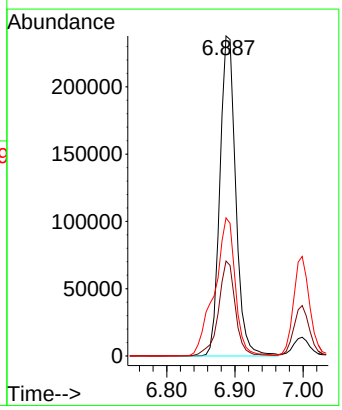


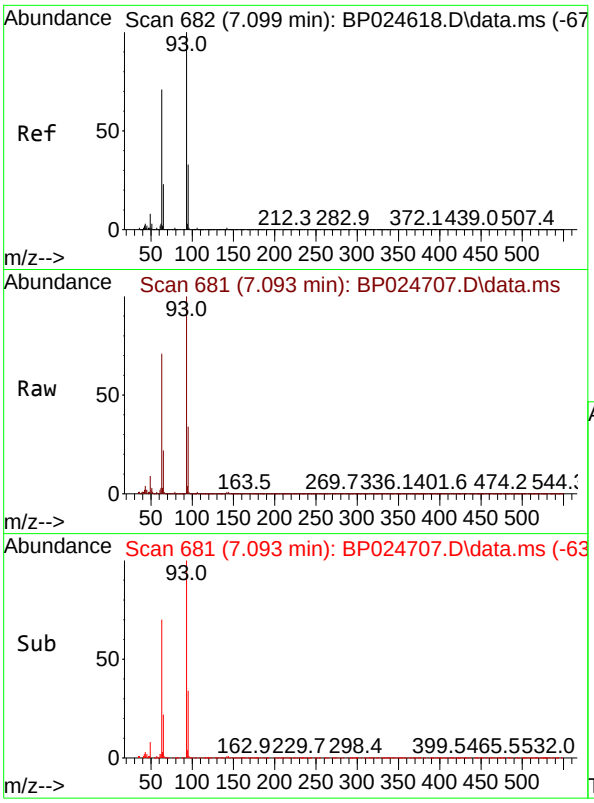


#10
Phenol
Concen: 39.954 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 94 Resp: 384088

Ion	Ratio	Lower	Upper
94	100		
65	29.7	8.7	48.7
66	43.1	19.4	59.4



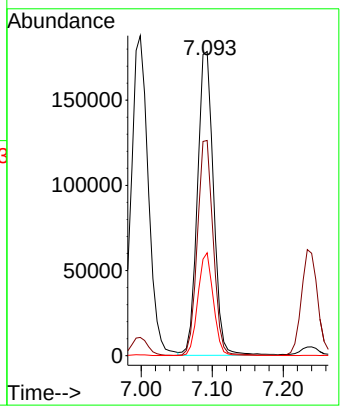


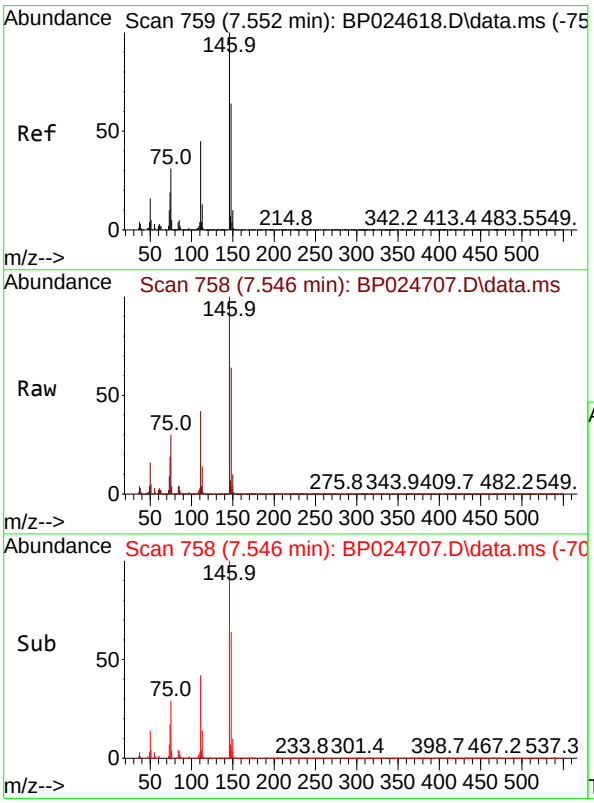
#11
bis(2-Chloroethyl)ether
Concen: 35.689 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 93 Resp: 281912

Ion	Ratio	Lower	Upper
93	100		
63	70.7	50.6	90.6
95	33.8	12.9	52.9

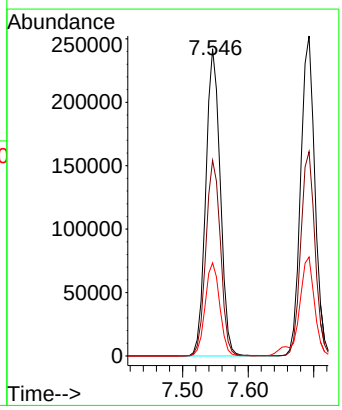


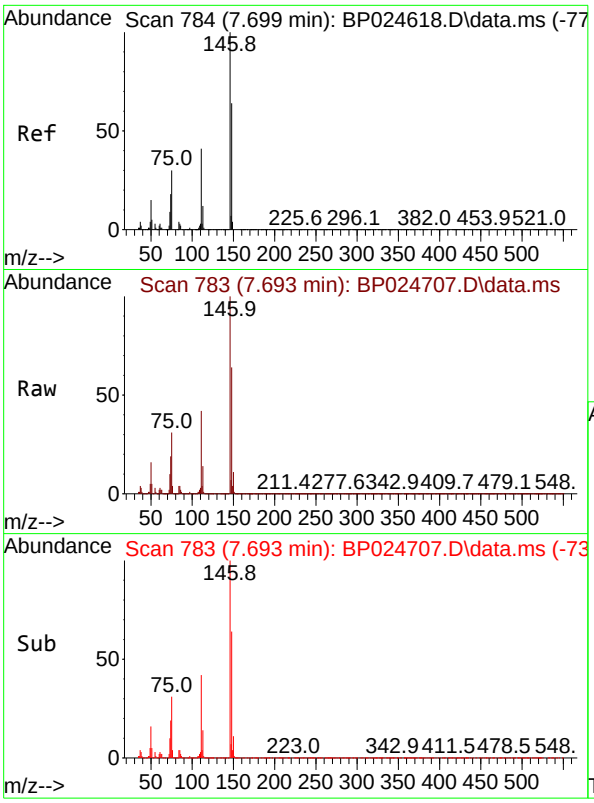


#12
1,3-Dichlorobenzene
Concen: 39.061 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:146 Resp: 372303

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
75	30.3	25.2	37.8



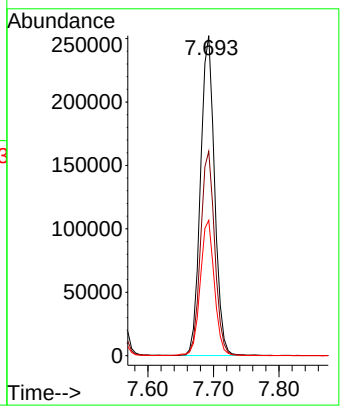


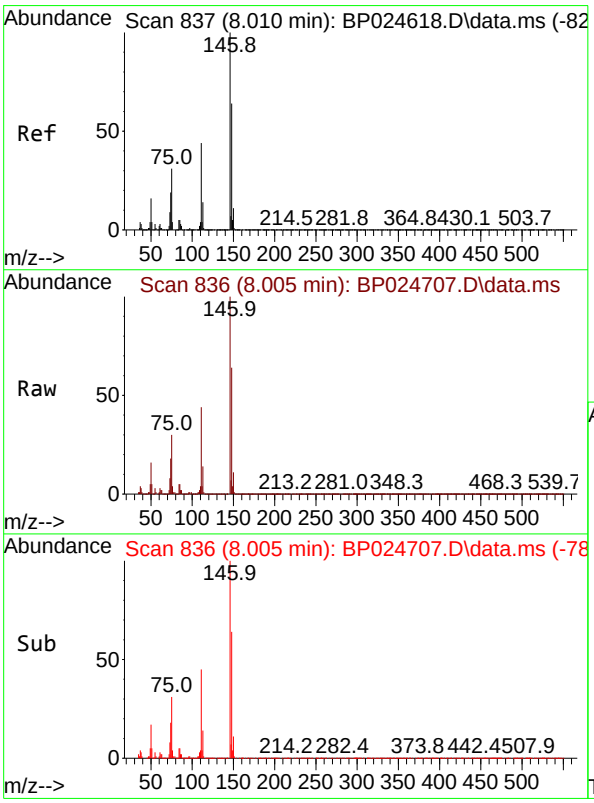
#13
1,4-Dichlorobenzene
Concen: 39.347 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:146 Resp: 377192

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	42.3	33.0	49.6

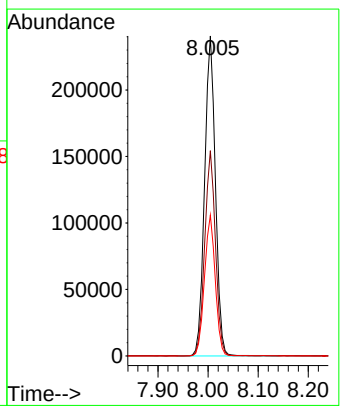


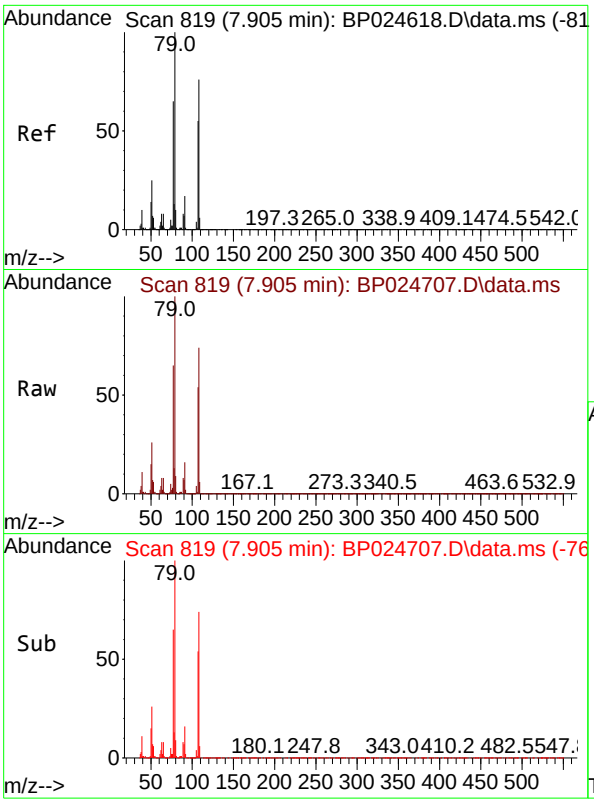


#14
1,2-Dichlorobenzene
Concen: 38.651 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:146 Resp: 361042

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	44.0	35.2	52.8



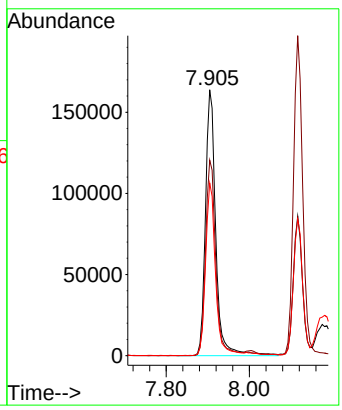


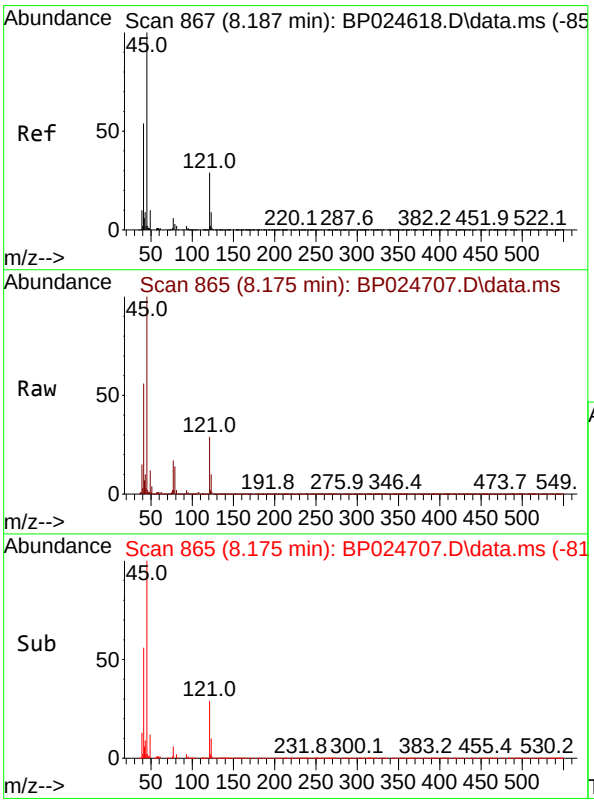
#15
Benzyl Alcohol
Concen: 39.852 ng
RT: 7.905 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 79 Resp: 282068

Ion	Ratio	Lower	Upper
79	100		
108	73.5	60.8	91.2
77	65.0	51.9	77.9

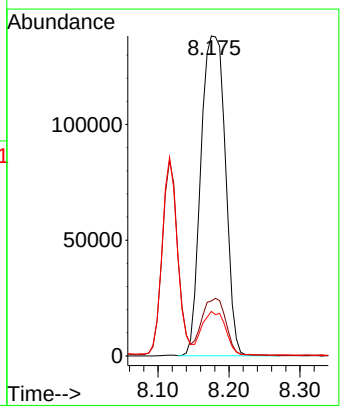


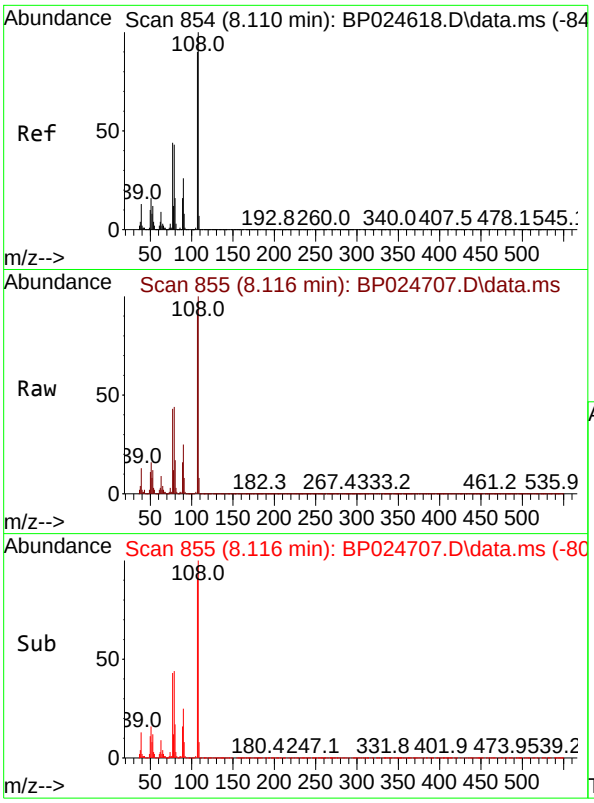


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.907 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 45 Resp: 330220

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	37.7
79	13.9	0.0	34.0



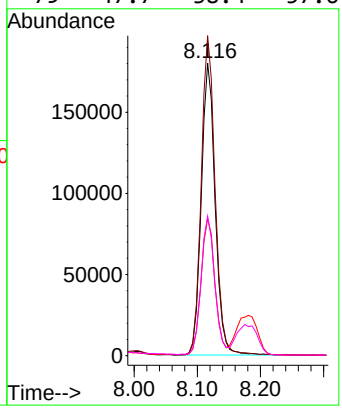


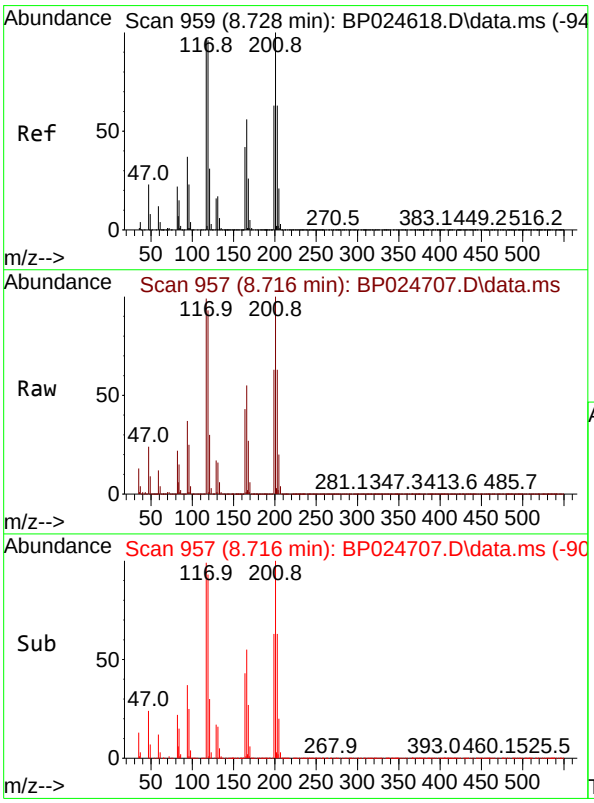
#17
2-Methylphenol
Concen: 39.885 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:107 Resp: 274999

Ion	Ratio	Lower	Upper
107	100		
108	109.4	88.9	133.3
77	46.9	39.0	58.6
79	47.7	38.4	57.6

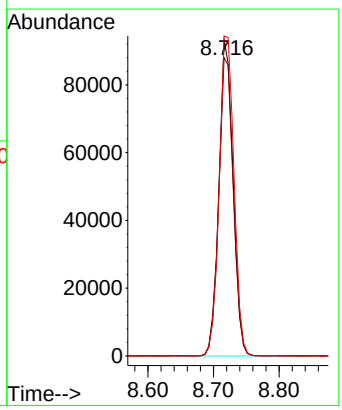


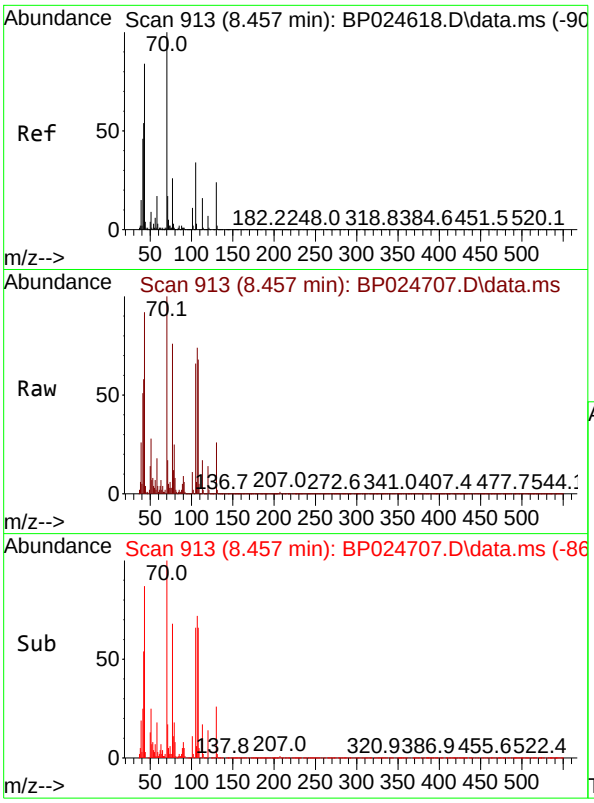


#18
Hexachloroethane
Concen: 37.982 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:117 Resp: 139528

Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.4	119.0
201	101.3	82.7	124.1



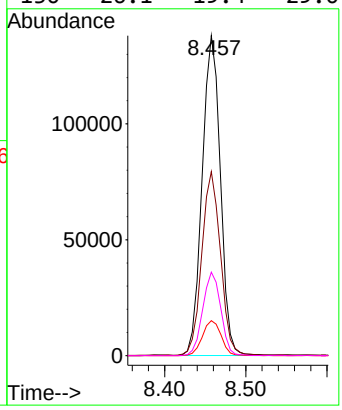


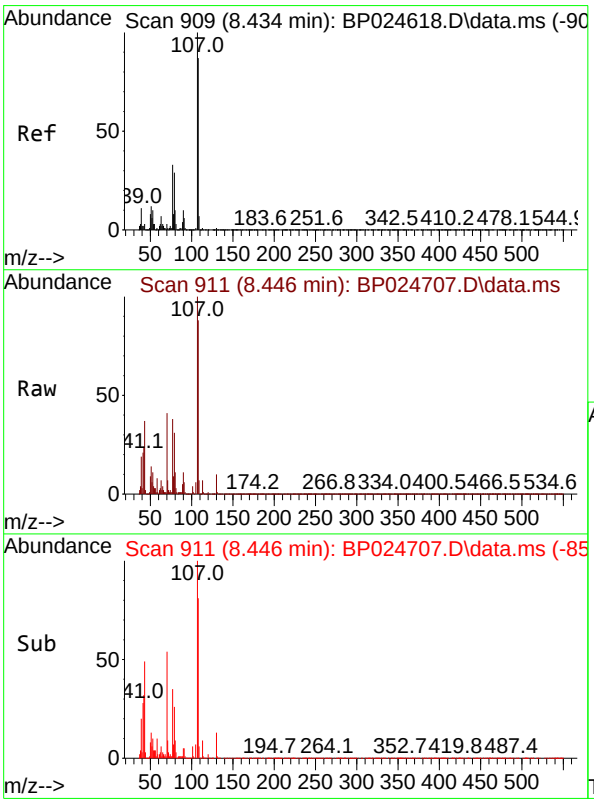
#19
n-Nitroso-di-n-propylamine
Concen: 33.390 ng
RT: 8.457 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 70 Resp: 215124

Ion	Ratio	Lower	Upper
70	100		
42	57.5	43.0	64.6
101	11.0	8.7	13.1
130	26.1	19.4	29.0

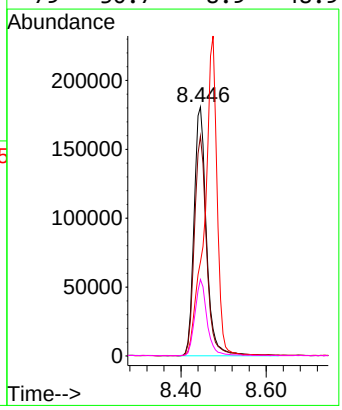


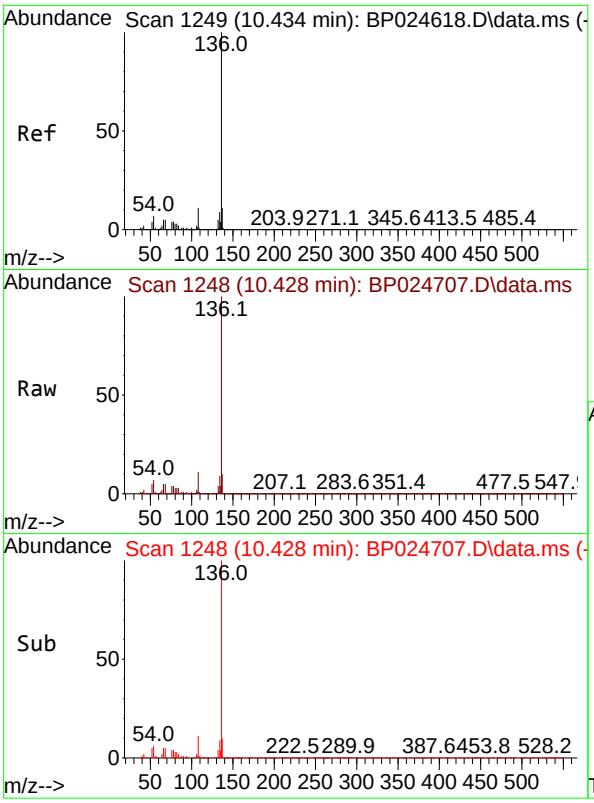


#20
3+4-Methylphenols
Concen: 38.764 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:107 Resp: 363562

Ion	Ratio	Lower	Upper
107	100		
108	88.3	66.7	106.7
77	37.7	13.1	53.1
79	30.7	8.9	48.9



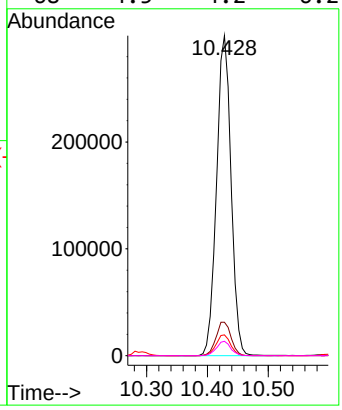


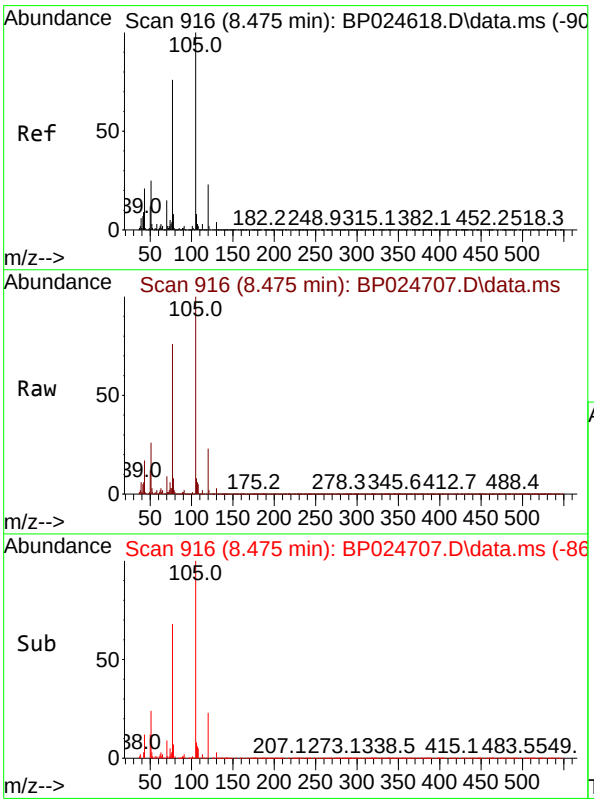
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:136 Resp: 494827

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.5	5.5	8.3
68	4.5	4.2	6.2

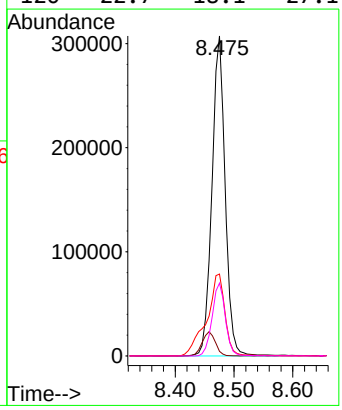


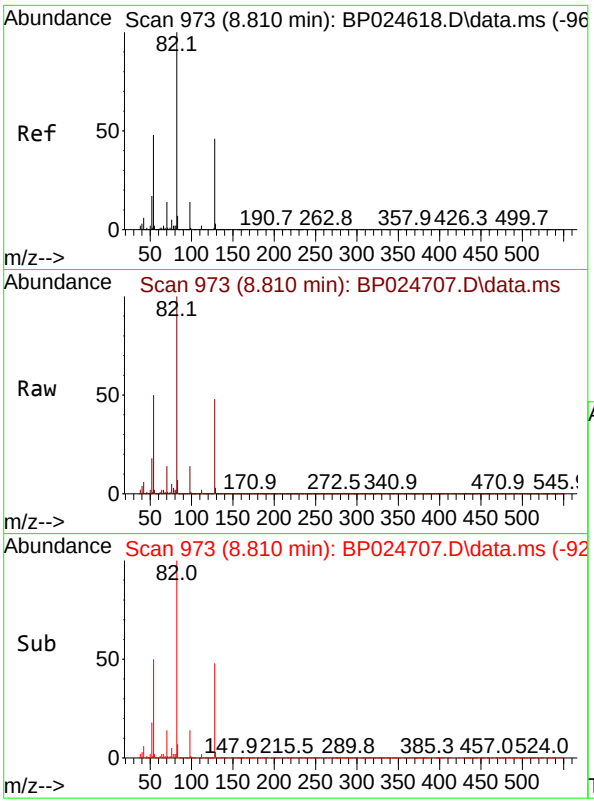


#22
Acetophenone
Concen: 38.873 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:105 Resp: 480484

Ion	Ratio	Lower	Upper
105	100		
71	1.4	2.0	3.0#
51	25.6	20.4	30.6
120	22.7	18.1	27.1



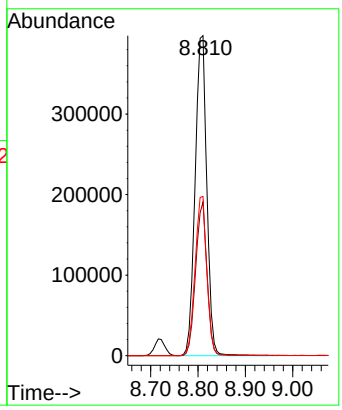


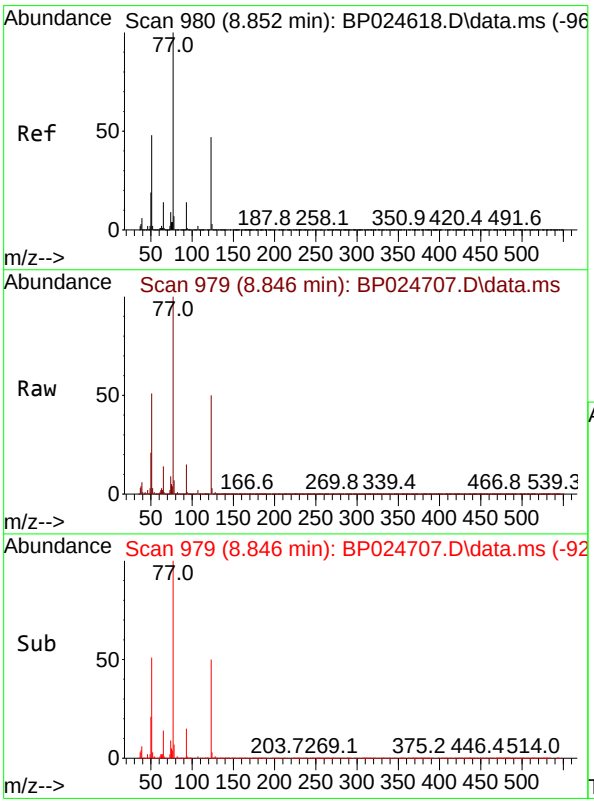
#23
Nitrobenzene-d5
Concen: 69.477 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 82 Resp: 680416

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.4
54	49.7	38.7	58.1

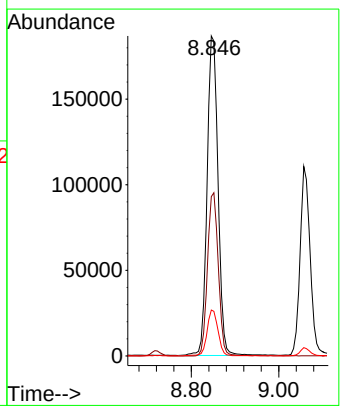


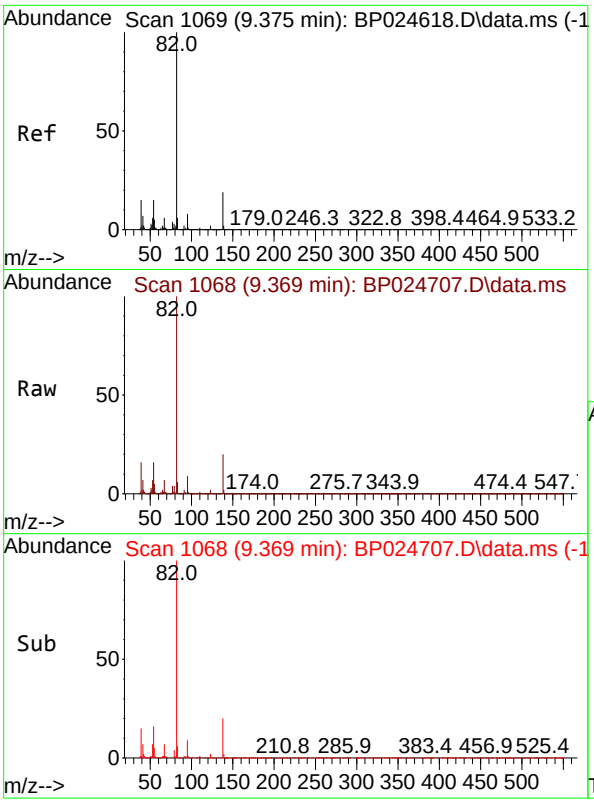


#24
Nitrobenzene
Concen: 37.759 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 77 Resp: 325420

Ion	Ratio	Lower	Upper
77	100		
123	49.8	37.4	56.0
65	14.4	11.3	16.9



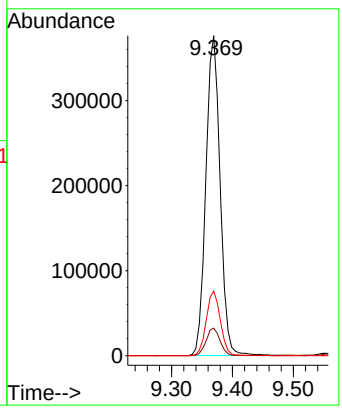


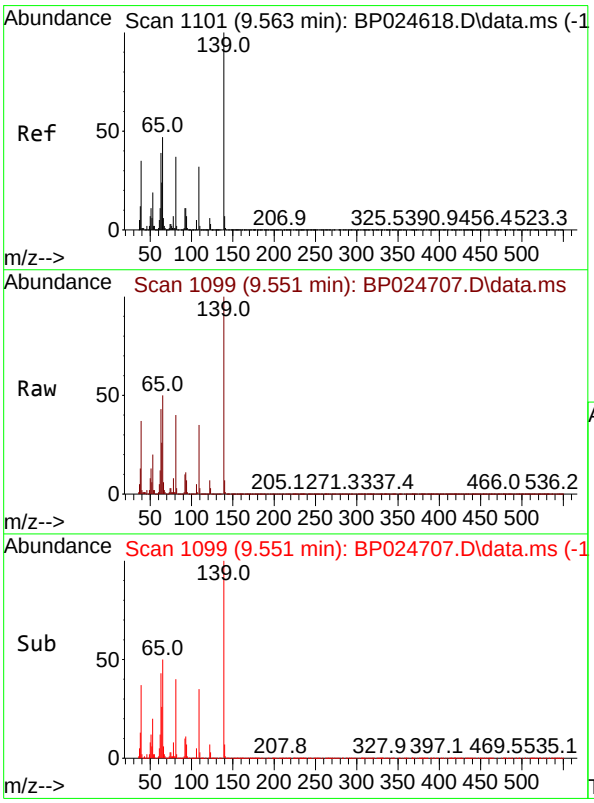
#25
Isophorone
Concen: 35.928 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 82 Resp: 610351

Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.3	9.5
138	20.2	15.3	22.9

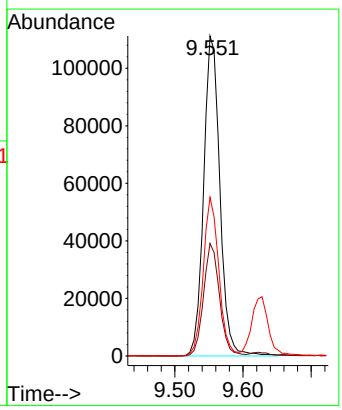


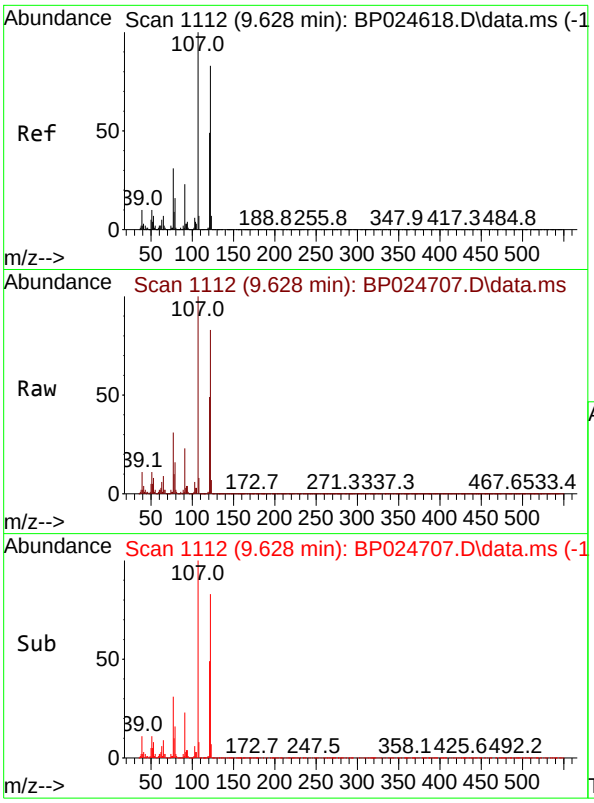


#26
2-Nitrophenol
Concen: 43.659 ng
RT: 9.551 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:139 Resp: 184377

Ion	Ratio	Lower	Upper
139	100		
109	35.2	25.9	38.9
65	49.6	37.9	56.9



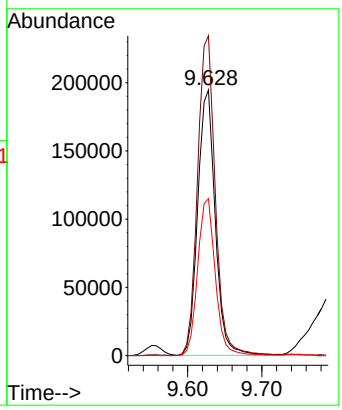


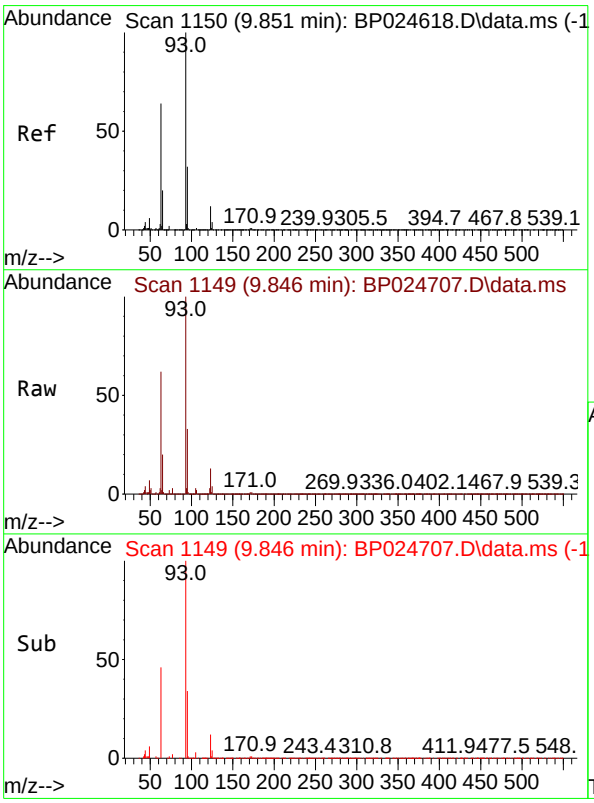
#27
2,4-Dimethylphenol
Concen: 42.929 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:122 Resp: 319643

Ion	Ratio	Lower	Upper
122	100		
107	120.4	96.2	144.2
121	59.1	47.6	71.4

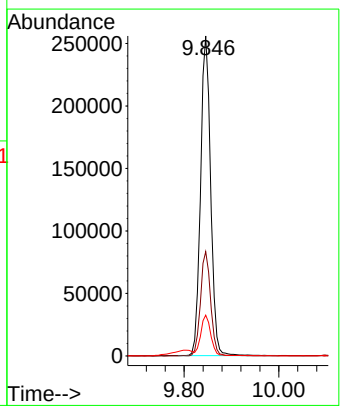


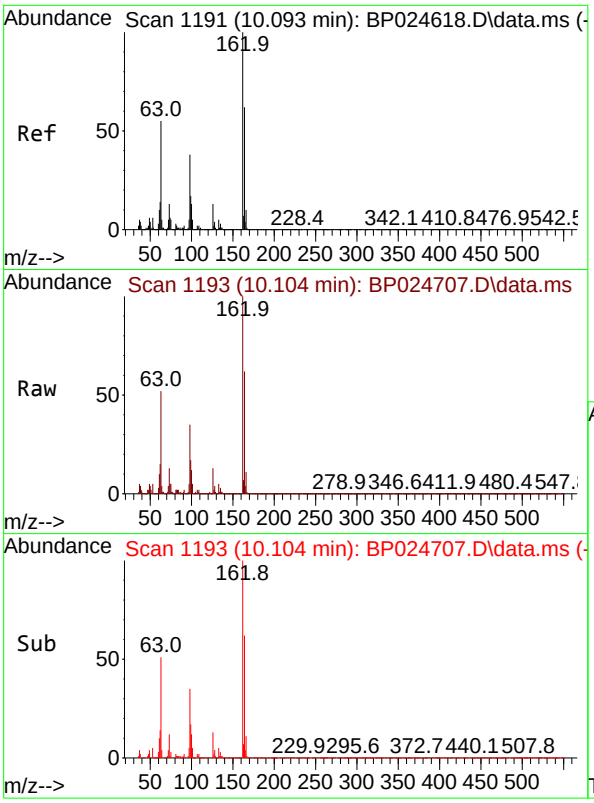


#28
bis(2-Chloroethoxy)methane
Concen: 37.195 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 93 Resp: 377505

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.5	38.3
123	12.7	9.7	14.5



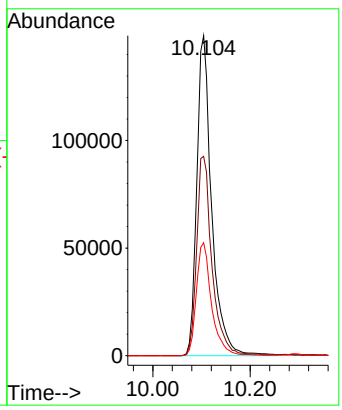


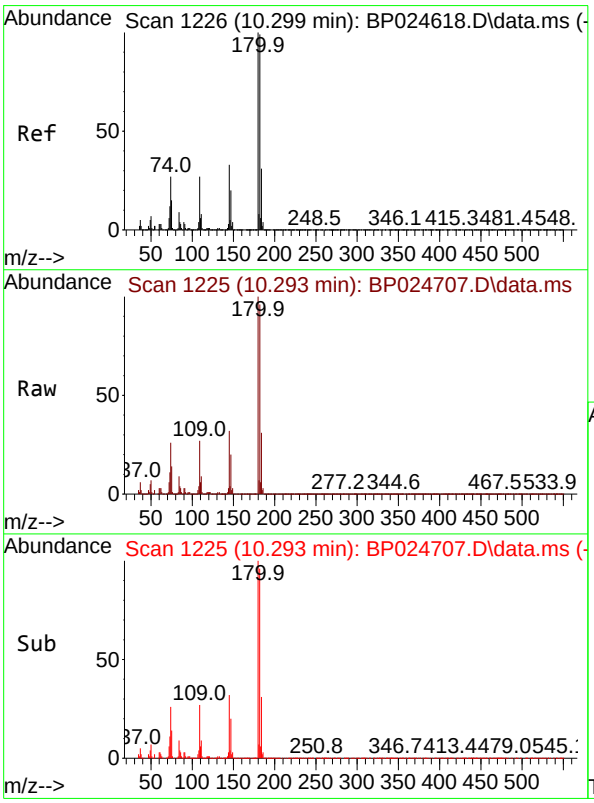
#29
2,4-Dichlorophenol
Concen: 43.856 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:162 Resp: 316434

Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.3	82.3
98	35.3	18.4	58.4

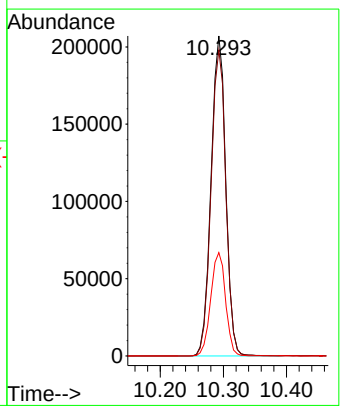


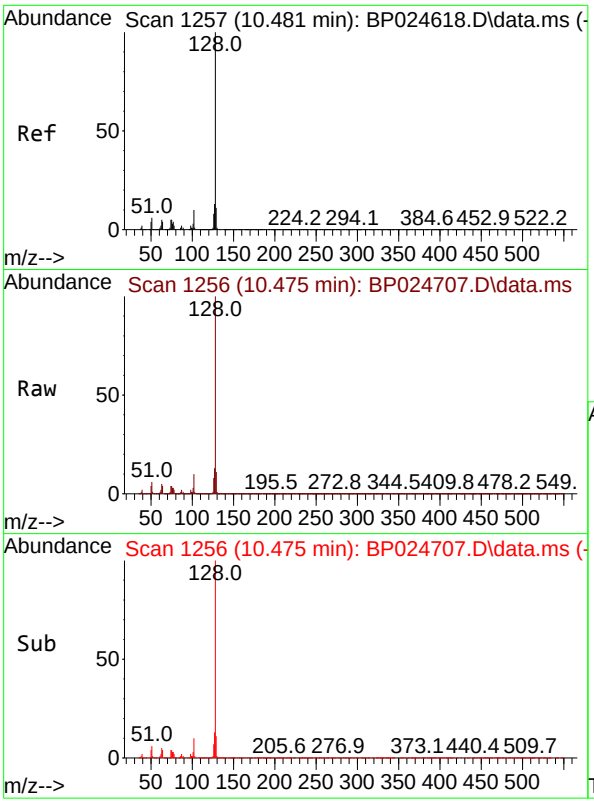


#30
1,2,4-Trichlorobenzene
Concen: 41.073 ng
RT: 10.293 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:180 Resp: 333960

Ion	Ratio	Lower	Upper
180	100		
182	95.6	79.0	118.4
145	32.3	26.6	39.8



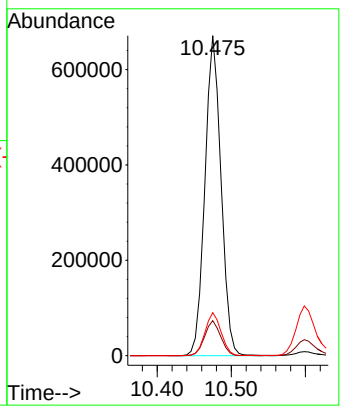


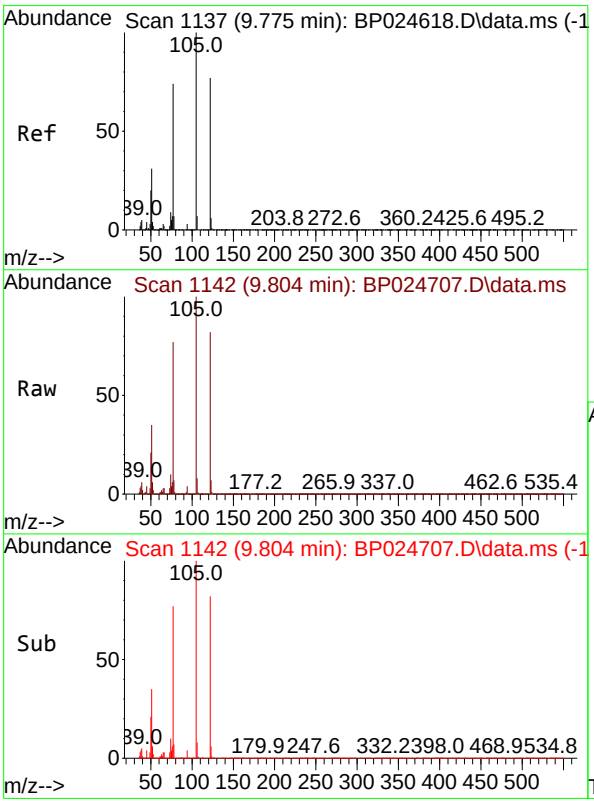
#31
Naphthalene
Concen: 39.427 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:128 Resp: 1011010

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.7	16.1

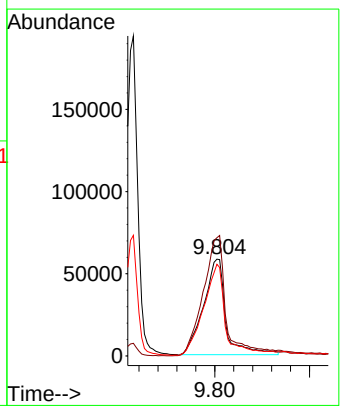


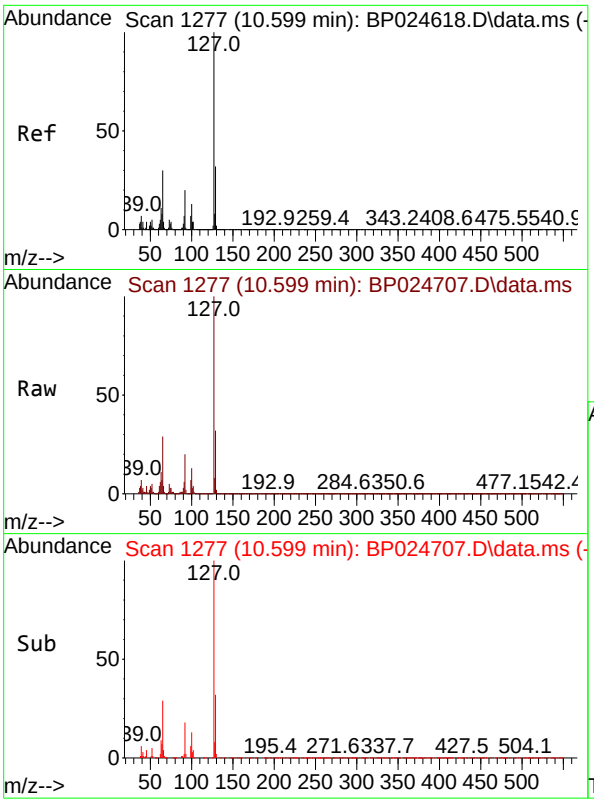


#32
Benzoic acid
Concen: 38.557 ng
RT: 9.804 min Scan# 1142
Delta R.T. 0.029 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:122 Resp: 190843

Ion	Ratio	Lower	Upper
122	100		
105	122.2	106.9	146.9
77	94.7	75.1	115.1



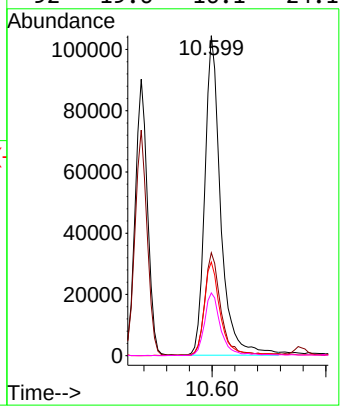


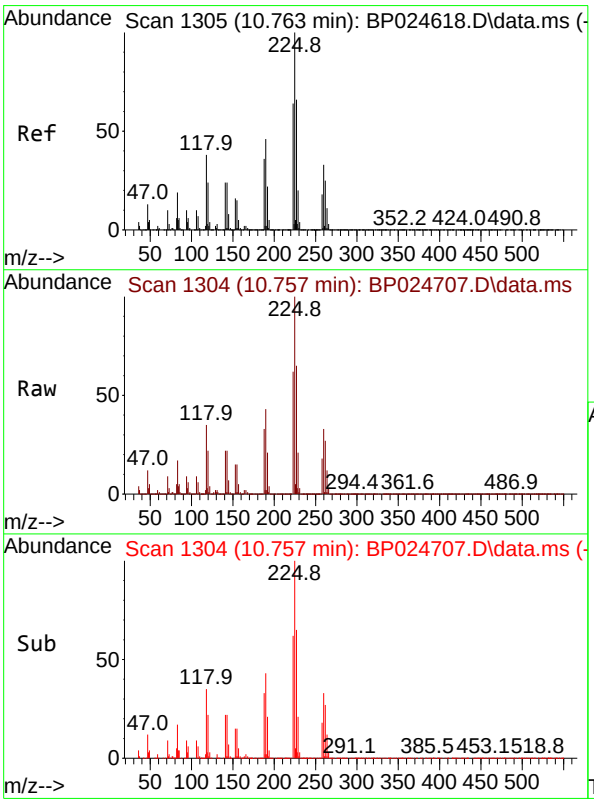
#33
4-Chloroaniline
Concen: 19.477 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:127 Resp: 201537

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.8	38.6
65	29.3	23.9	35.9
92	19.6	16.1	24.1

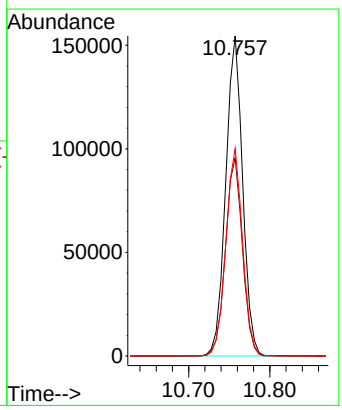


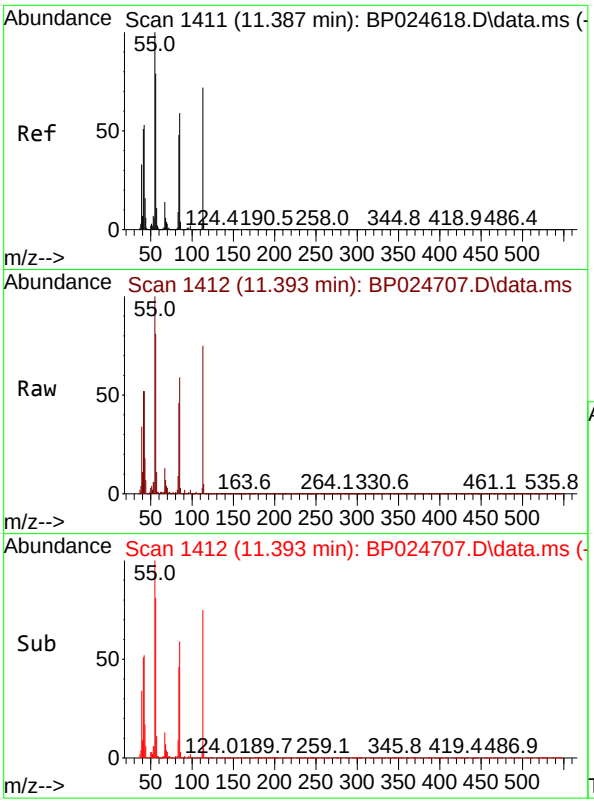


#34
Hexachlorobutadiene
Concen: 42.367 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:225 Resp: 223160

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	64.8	53.1	79.7



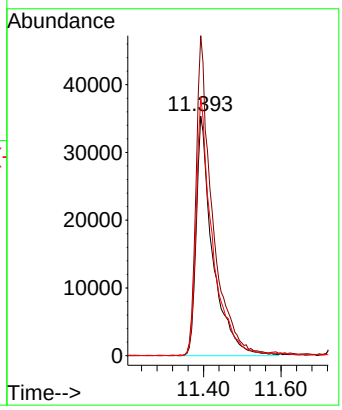


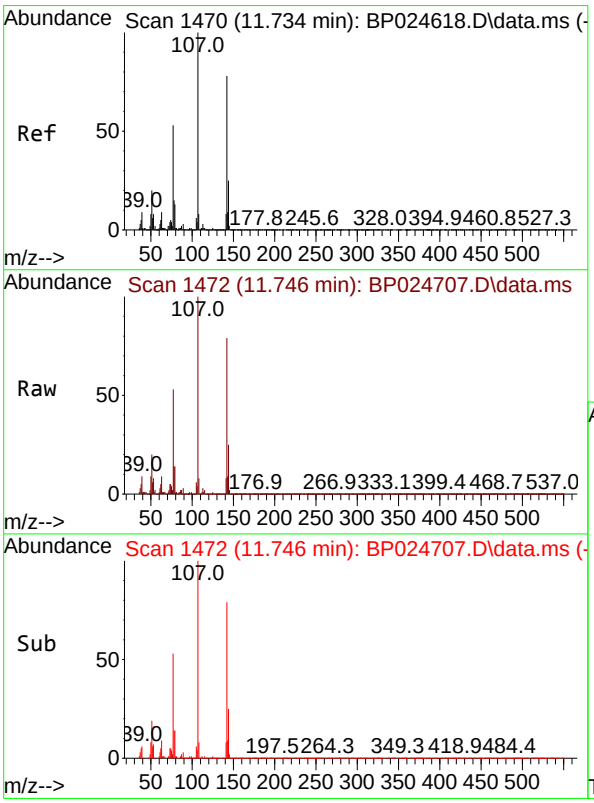
#35
Caprolactam
Concen: 39.652 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:113 Resp: 103513

Ion	Ratio	Lower	Upper
113	100		
55	133.6	119.0	159.0
56	108.0	90.3	130.3

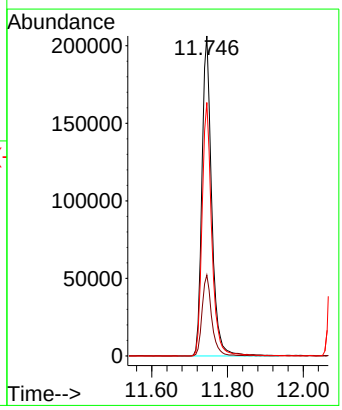


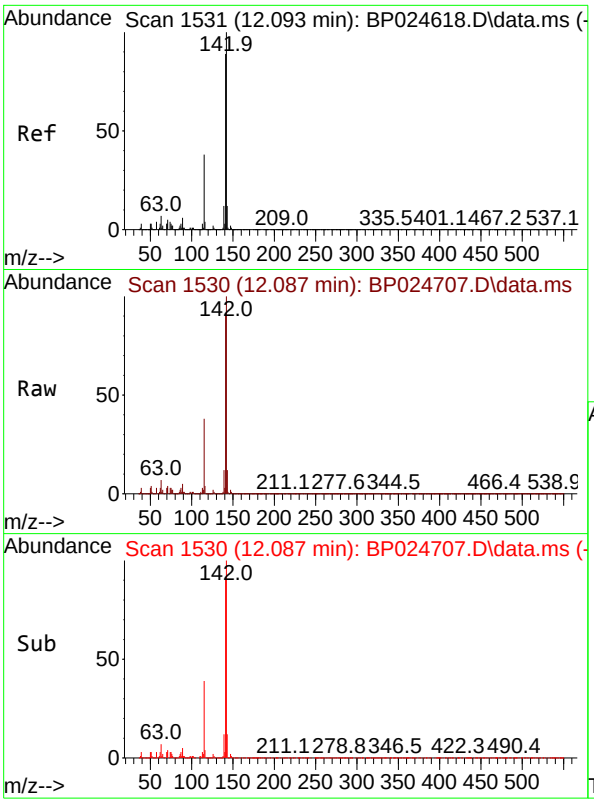


#36
4-Chloro-3-methylphenol
Concen: 41.871 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:107 Resp: 368425

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.1	30.1
142	79.2	62.1	93.1



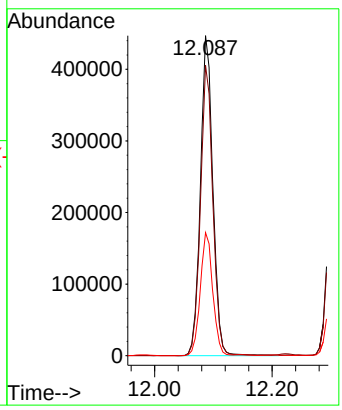


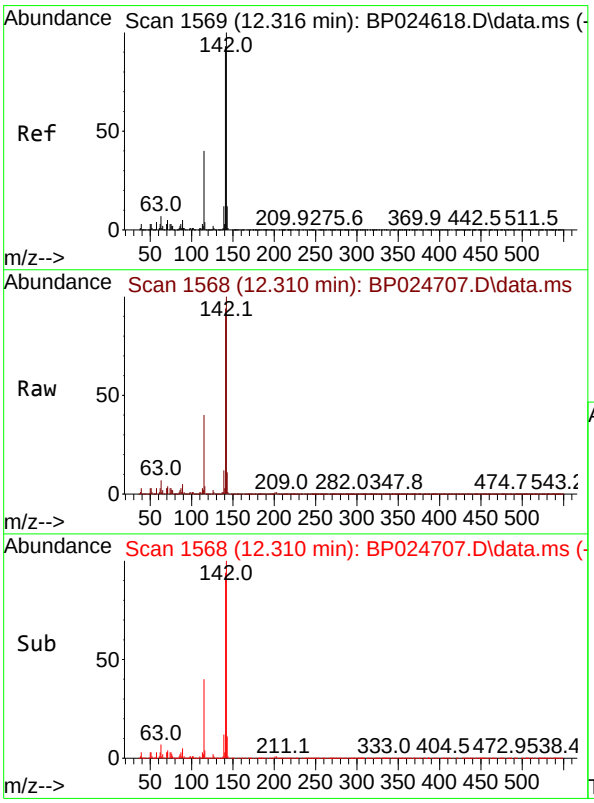
#37
2-Methylnaphthalene
Concen: 39.519 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:142 Resp: 656171

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.2	106.8
115	38.5	30.6	46.0

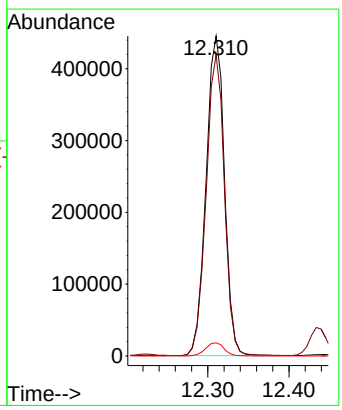


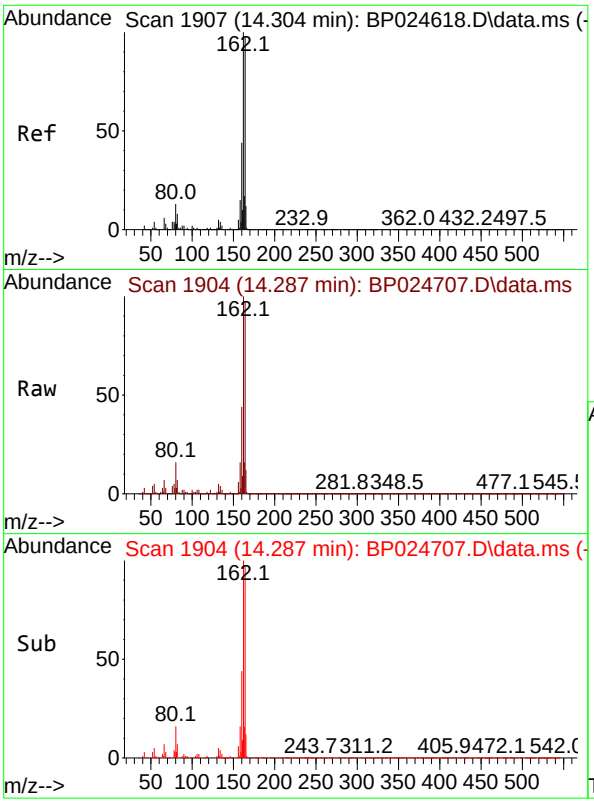


#38
1-Methylnaphthalene
Concen: 39.485 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:142 Resp: 701480

Ion	Ratio	Lower	Upper
142	100		
141	94.1	74.7	112.1
116	4.1	3.4	5.2



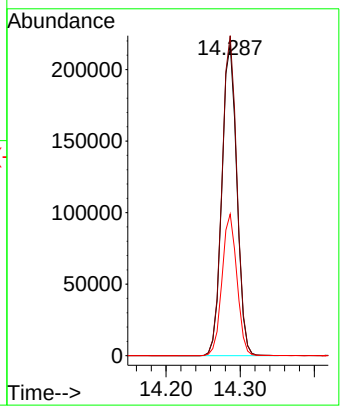


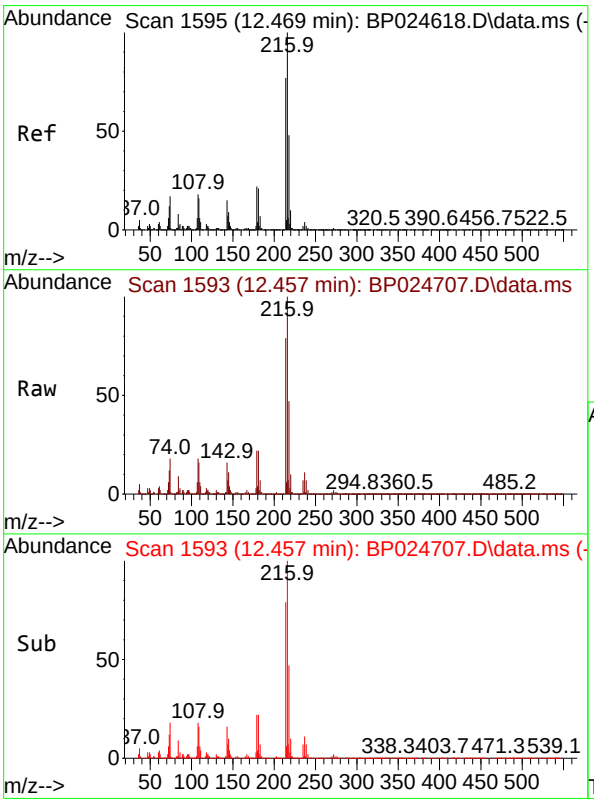
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:164 Resp: 304328

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.5	36.3	54.5

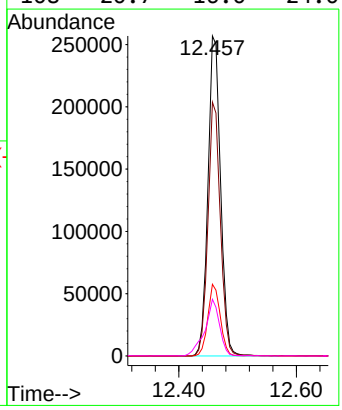


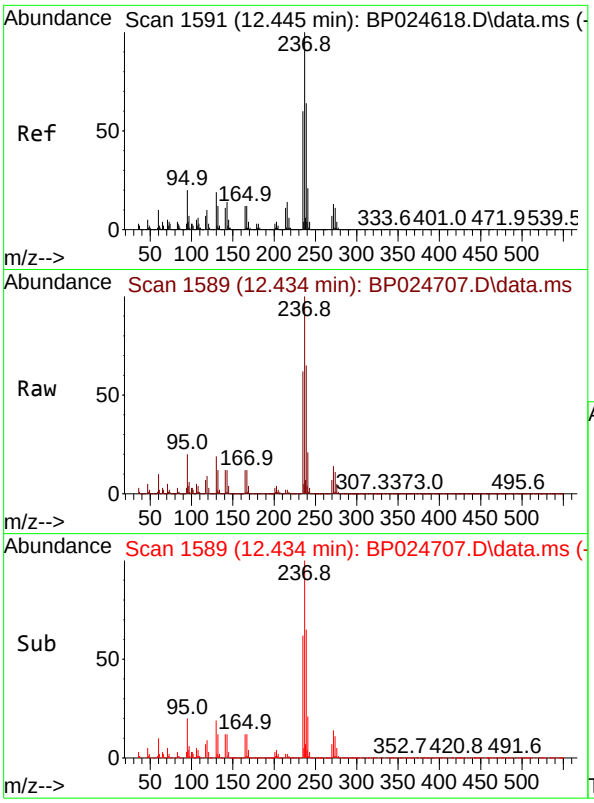


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.465 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:216 Resp: 384111

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.1	17.7	26.5
108	20.7	16.0	24.0



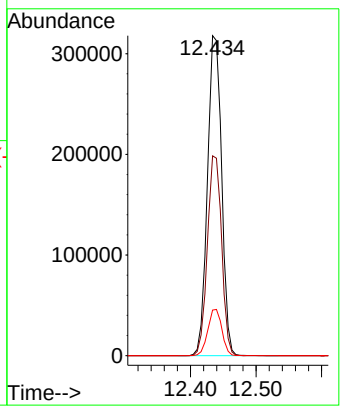


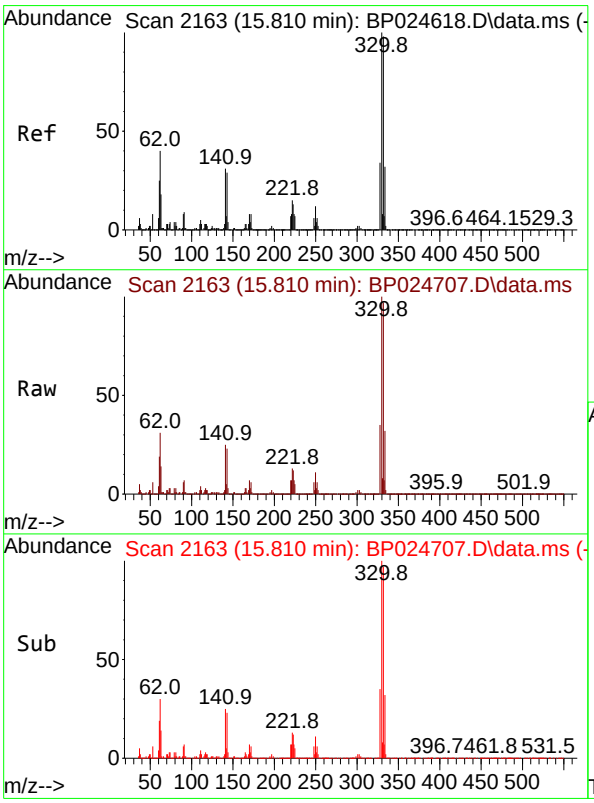
#41
Hexachlorocyclopentadiene
Concen: 89.188 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:237 Resp: 477928

Ion	Ratio	Lower	Upper
237	100		
235	62.5	39.9	79.9
272	14.2	0.0	33.2

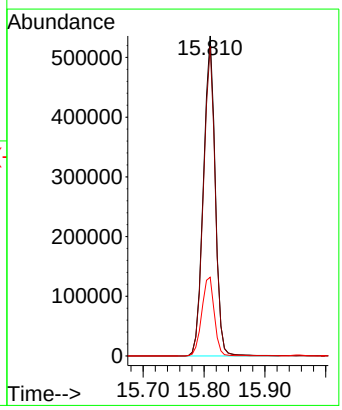


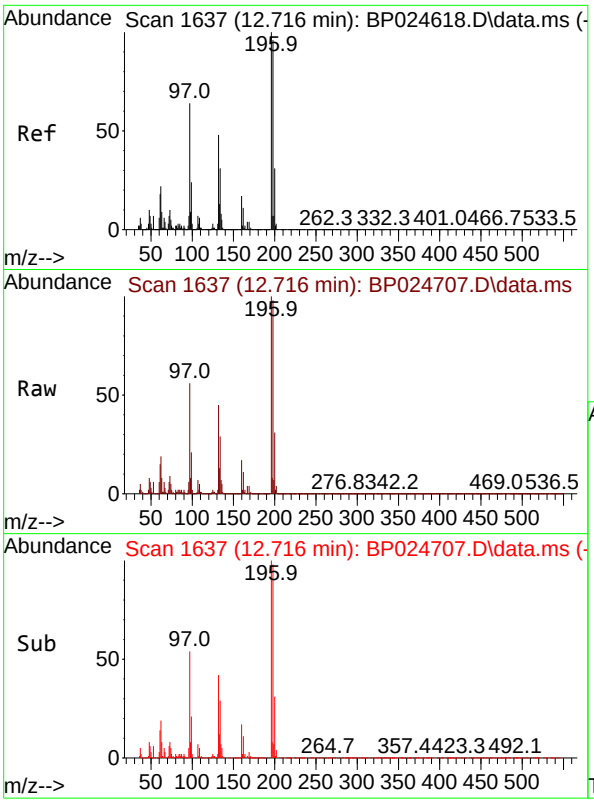


#42
2,4,6-Tribromophenol
Concen: 139.330 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:330 Resp: 718839

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.4
141	26.3	24.3	36.5



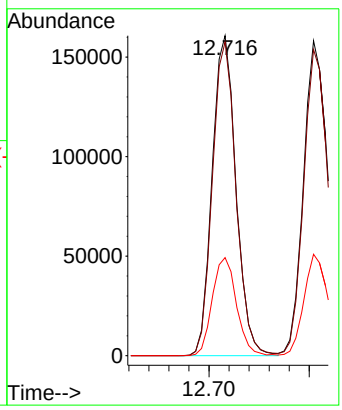


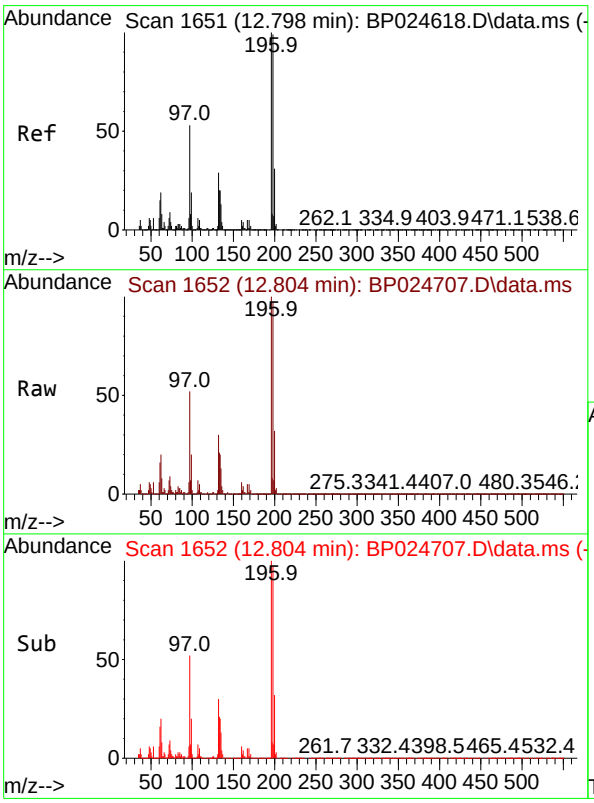
#43
2,4,6-Trichlorophenol
Concen: 46.359 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:196 Resp: 265360

Ion	Ratio	Lower	Upper
196	100		
198	98.0	76.9	115.3
200	30.7	25.2	37.8

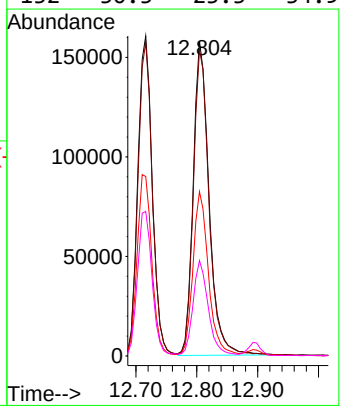


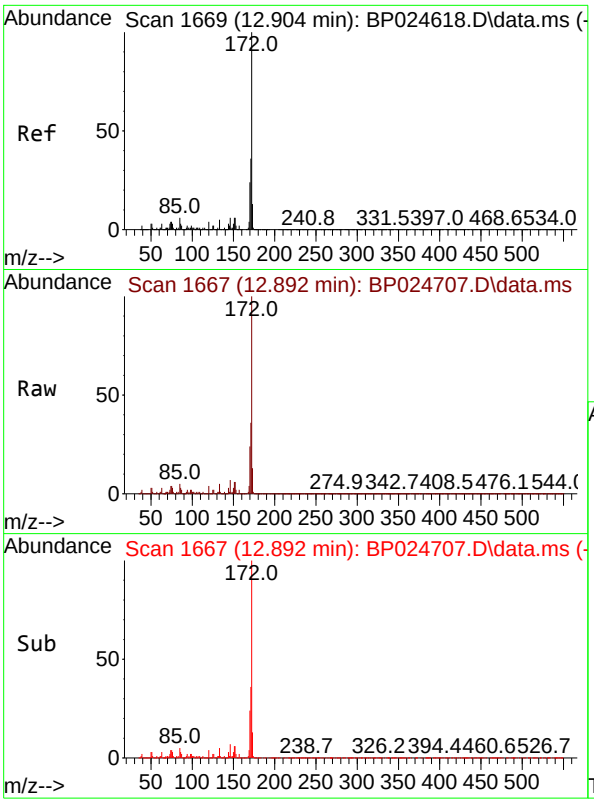


#44
2,4,5-Trichlorophenol
Concen: 44.970 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:196 Resp: 286530

Ion	Ratio	Lower	Upper
196	100		
198	97.2	79.2	118.8
97	52.2	42.3	63.5
132	30.3	23.3	34.9



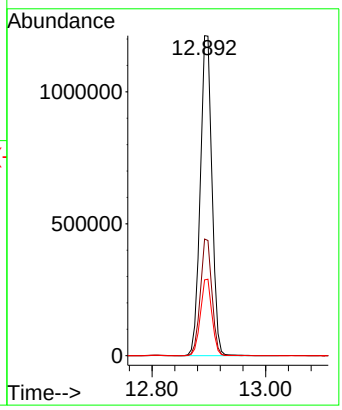


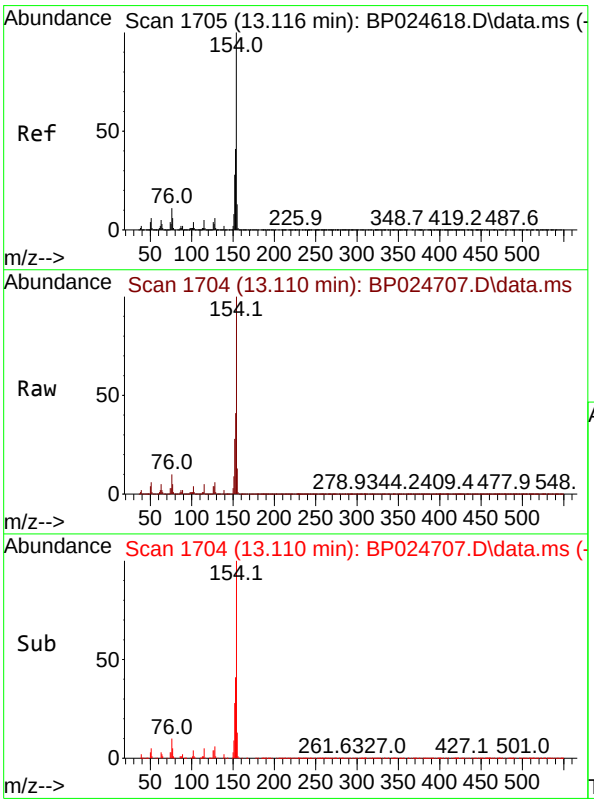
#45
2-Fluorobiphenyl
Concen: 74.489 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:172 Resp: 1730298

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	23.7	18.8	28.2

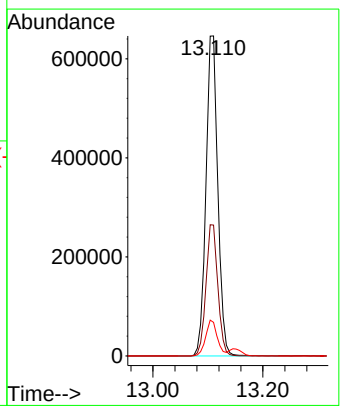


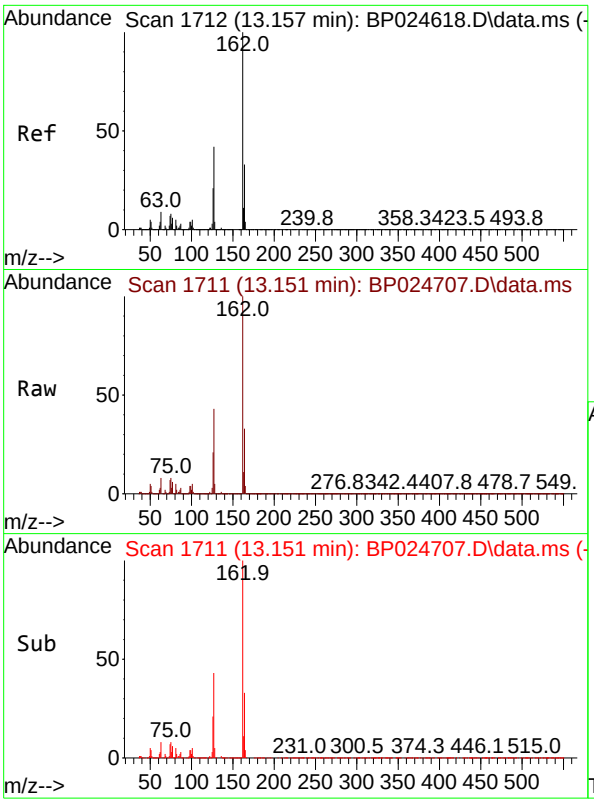


#46
1,1'-Biphenyl
Concen: 42.836 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:154 Resp: 963510

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.0	61.0
76	10.5	0.0	31.5



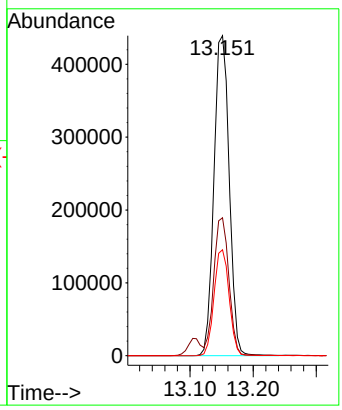


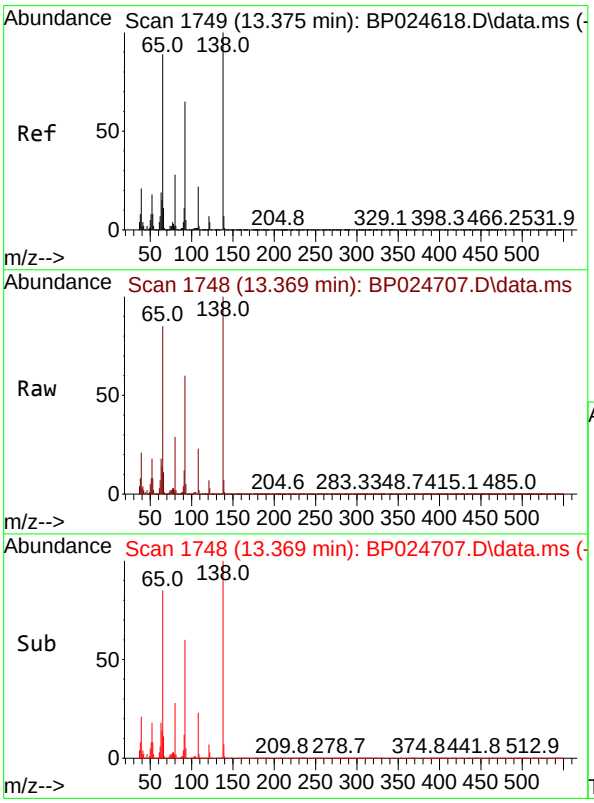
#47
2-Chloronaphthalene
Concen: 42.986 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:162 Resp: 737226

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.8	50.6
164	33.1	26.0	39.0

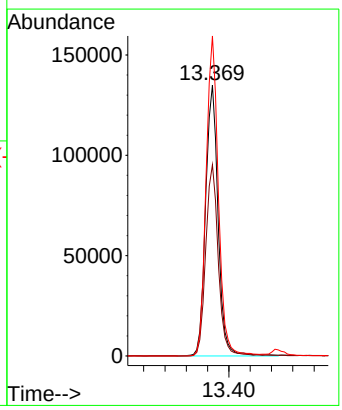


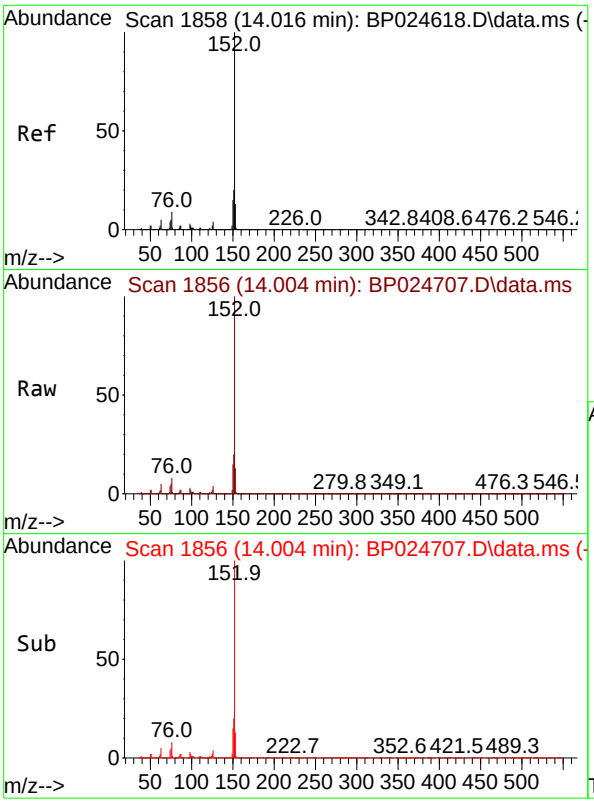


#48
2-Nitroaniline
Concen: 43.261 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 65 Resp: 219663

Ion	Ratio	Lower	Upper
65	100		
92	70.6	58.7	88.1
138	118.1	90.2	135.2



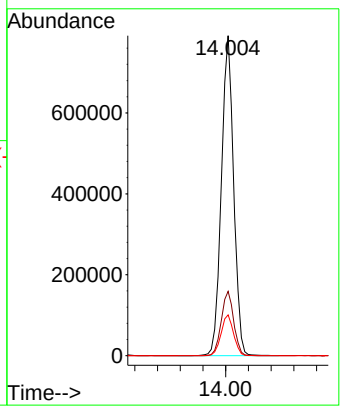


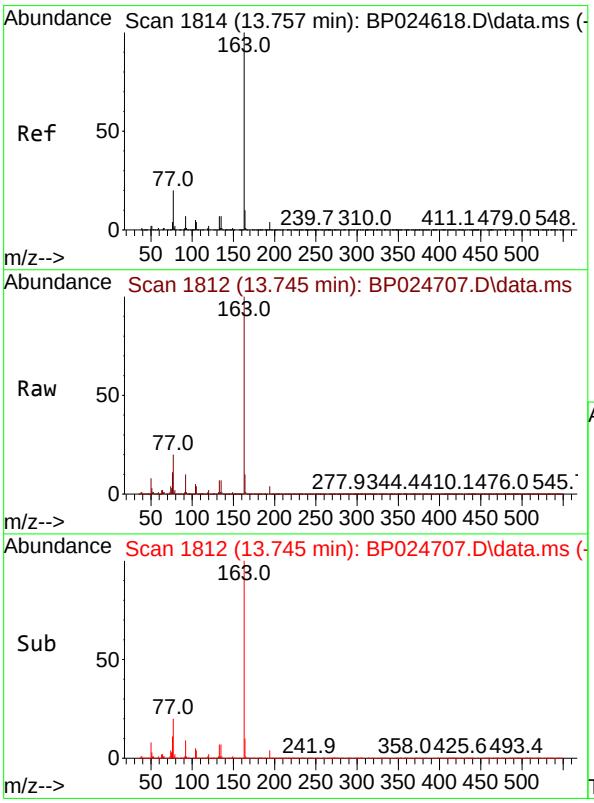
#49
Acenaphthylene
Concen: 41.446 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:152 Resp: 1189545

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	12.8	10.2	15.4

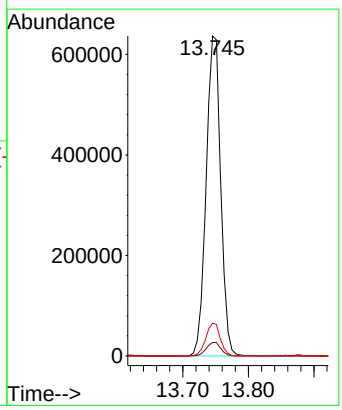


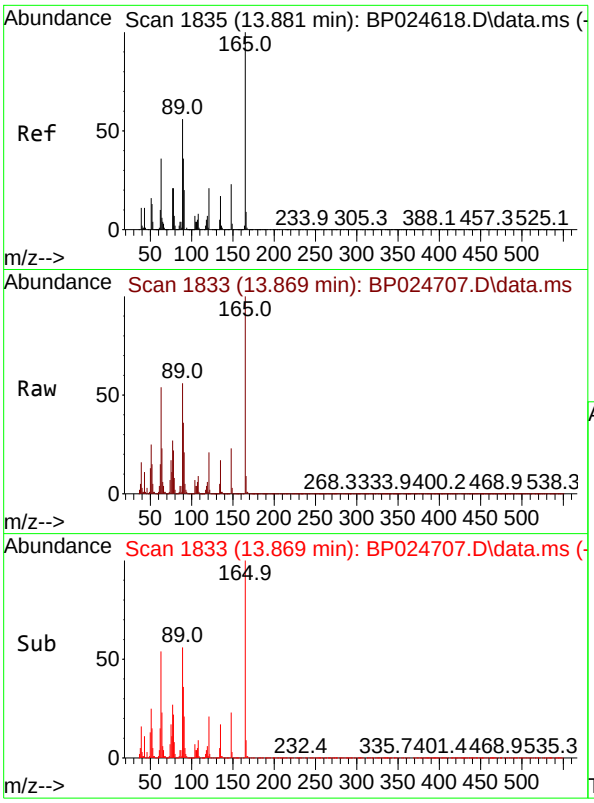


#50
Dimethylphthalate
Concen: 42.421 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:163 Resp: 984006

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.1	12.1



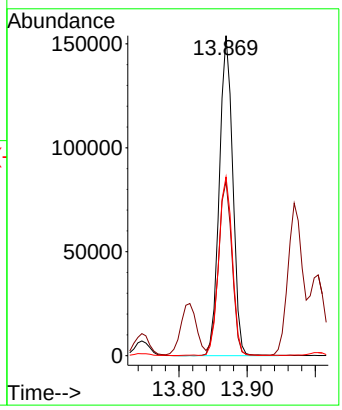


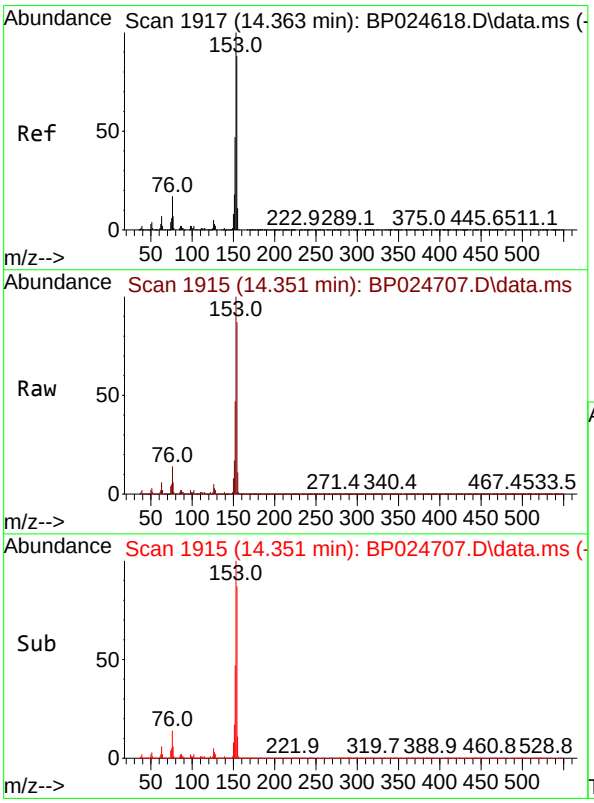
#51
2,6-Dinitrotoluene
Concen: 43.004 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:165 Resp: 210670

Ion	Ratio	Lower	Upper
165	100		
63	54.5	42.4	63.6
89	55.9	44.8	67.2

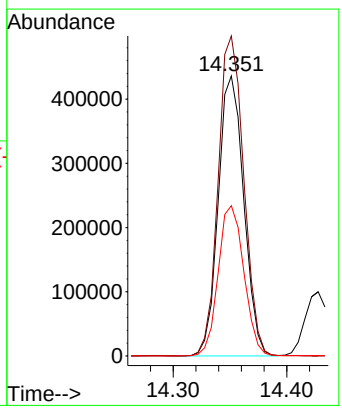


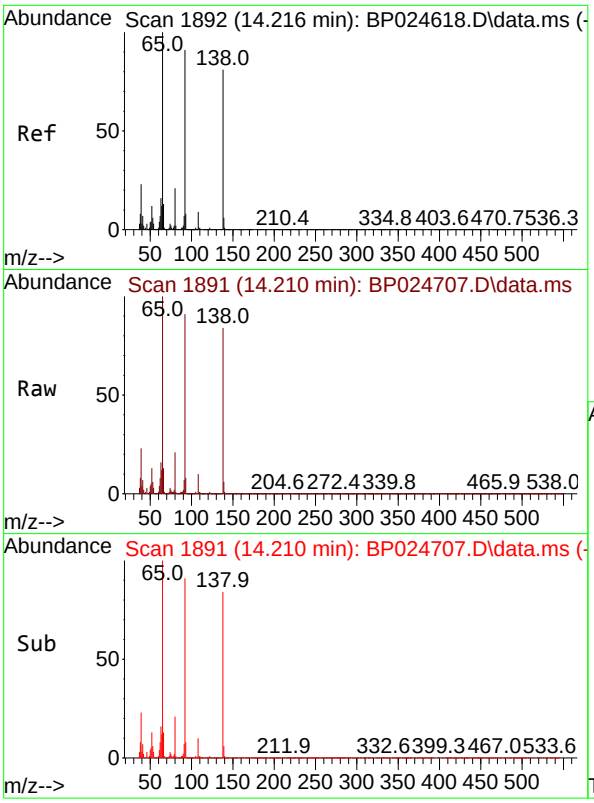


#52
Acenaphthene
Concen: 41.253 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:154 Resp: 680659

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.4
152	53.7	42.9	64.3



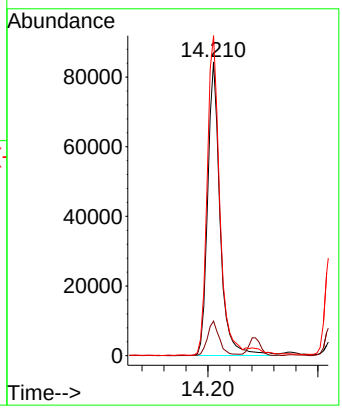


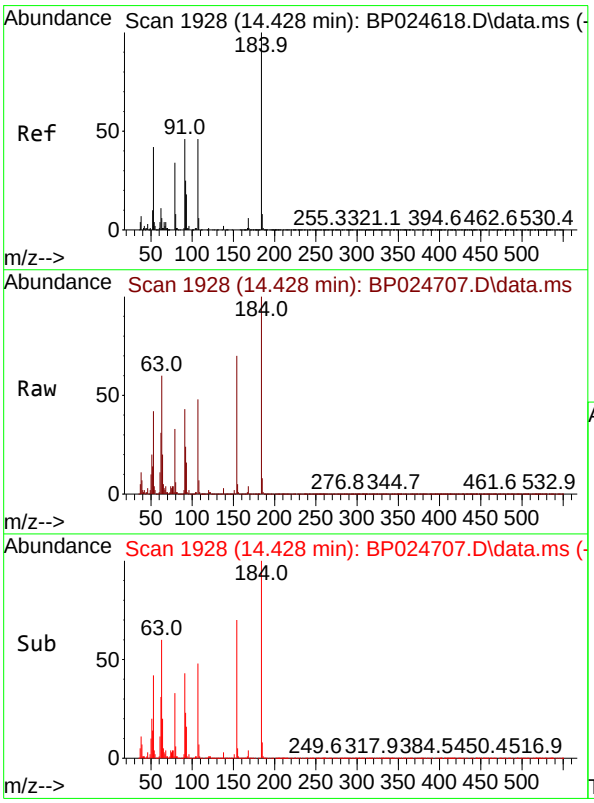
#53
3-Nitroaniline
Concen: 26.342 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:138 Resp: 131765

Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.0	13.4
92	108.9	90.1	135.1

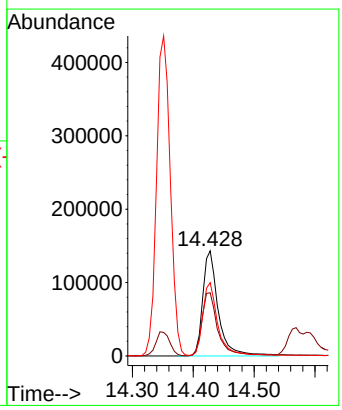


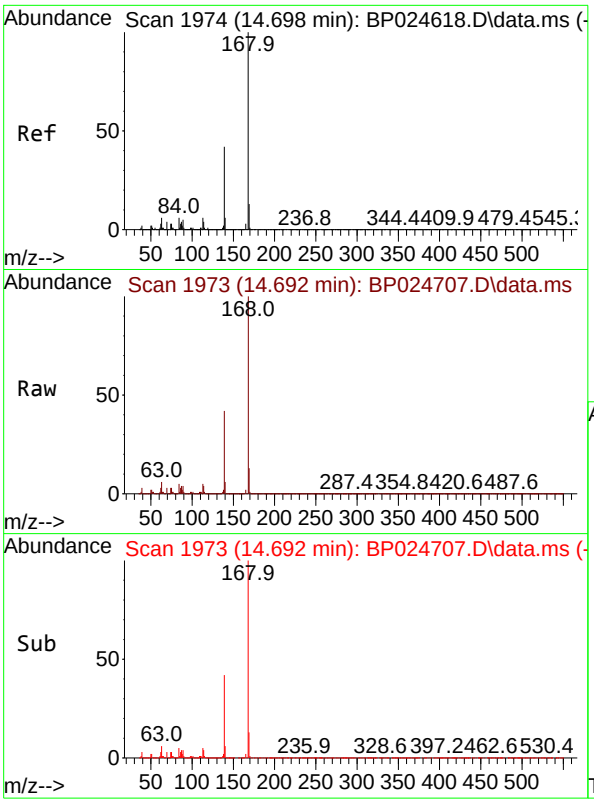


#54
2,4-Dinitrophenol
Concen: 81.567 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:184 Resp: 252393

Ion	Ratio	Lower	Upper
184	100		
63	60.1	51.3	76.9
154	69.7	53.5	80.3



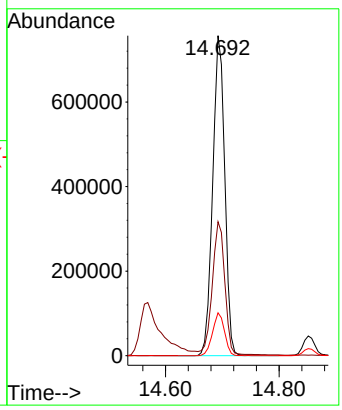


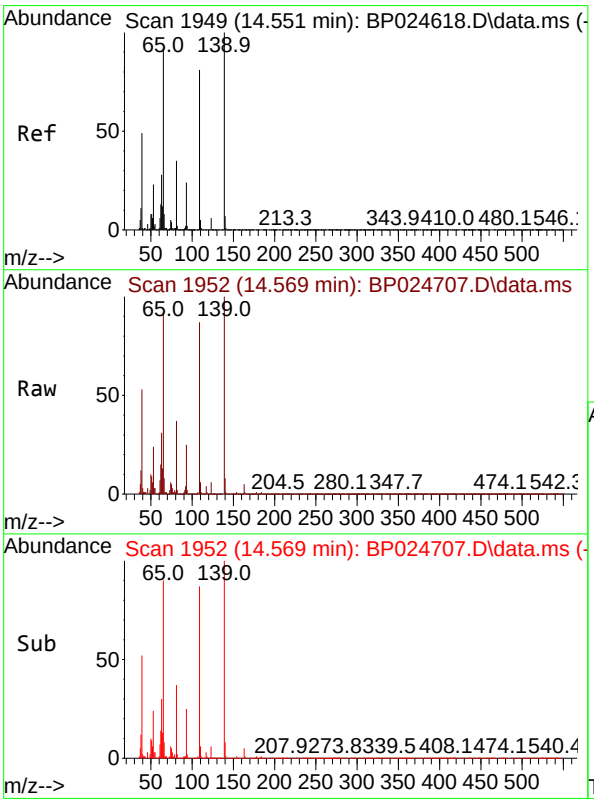
#55
Dibenzofuran
Concen: 42.175 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:168 Resp: 1109951

Ion	Ratio	Lower	Upper
168	100		
139	41.9	34.2	51.4
169	13.4	10.8	16.2

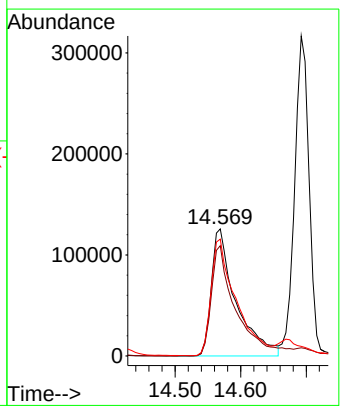


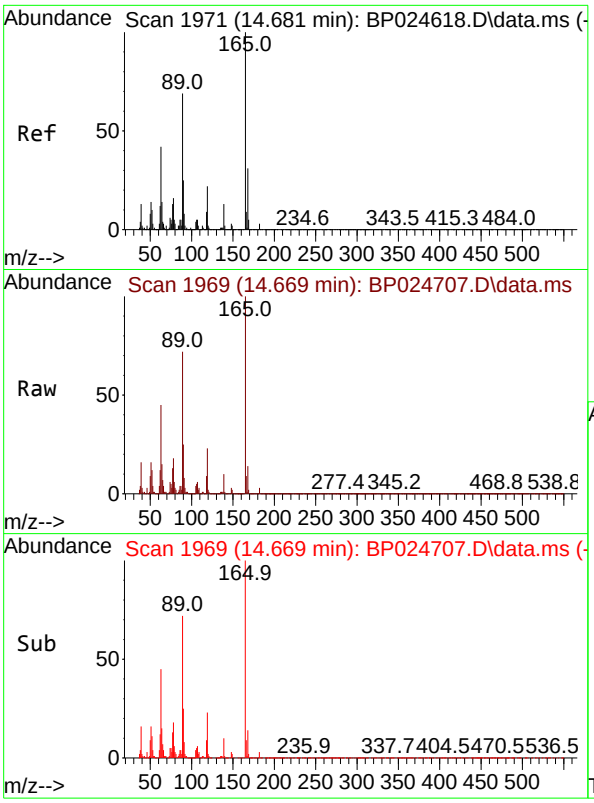


#56
4-Nitrophenol
Concen: 75.469 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:139 Resp: 325725

Ion	Ratio	Lower	Upper
139	100		
109	86.8	61.4	101.4
65	91.9	72.2	112.2



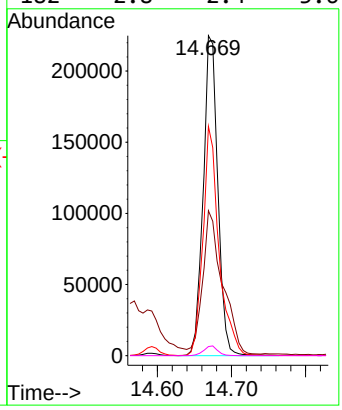


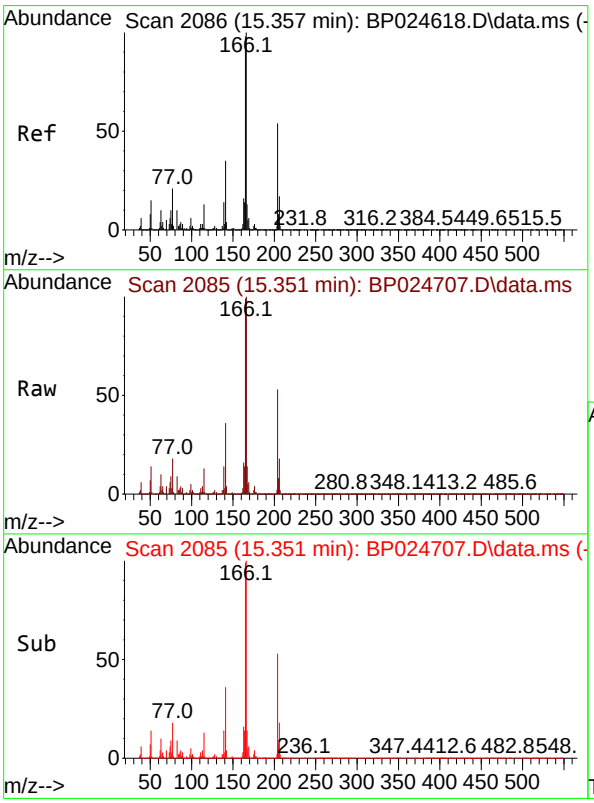
#57
2,4-Dinitrotoluene
Concen: 44.656 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:165 Resp: 308420

Ion	Ratio	Lower	Upper
165	100		
63	45.3	33.8	50.6
89	71.7	55.6	83.4
182	2.8	2.4	3.6

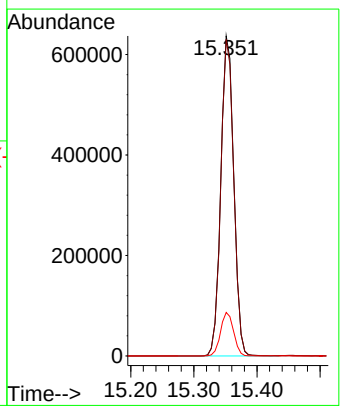


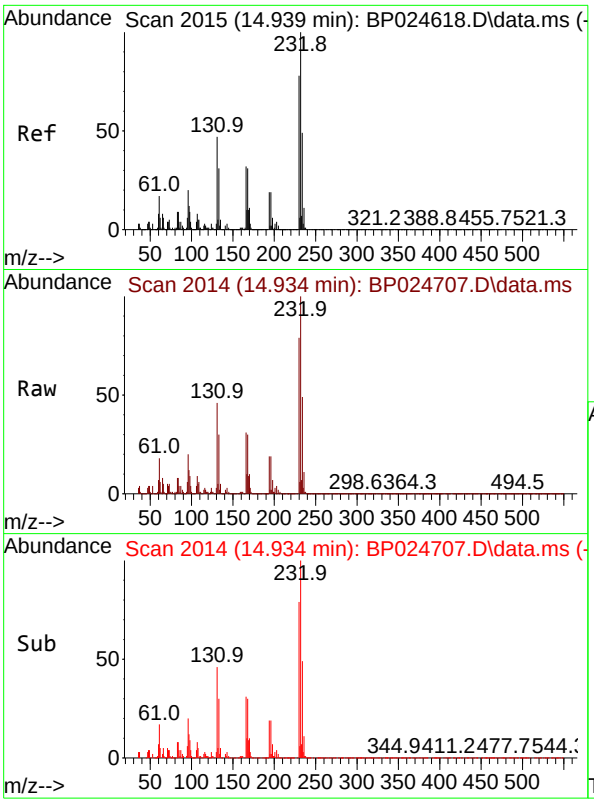


#58
Fluorene
Concen: 42.407 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:166 Resp: 910033

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.5	117.7
167	13.6	10.7	16.1



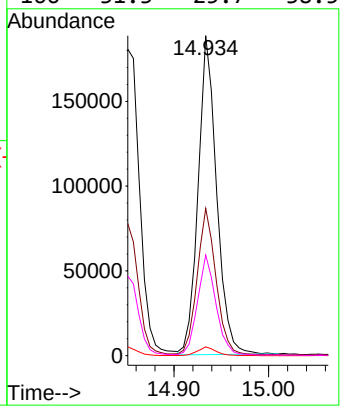


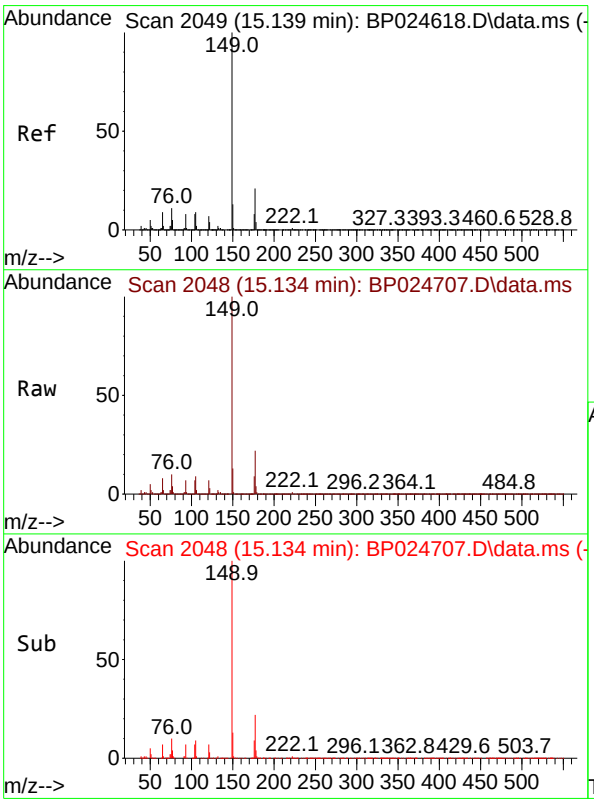
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.340 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:232 Resp: 256167

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.5	59.3
130	2.8	2.2	3.4
166	31.3	25.7	38.5

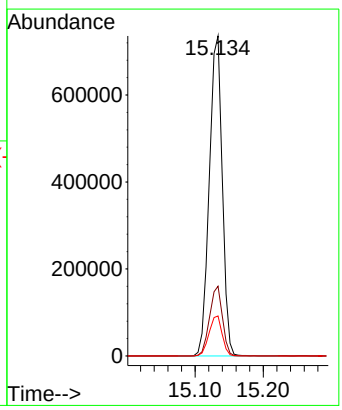


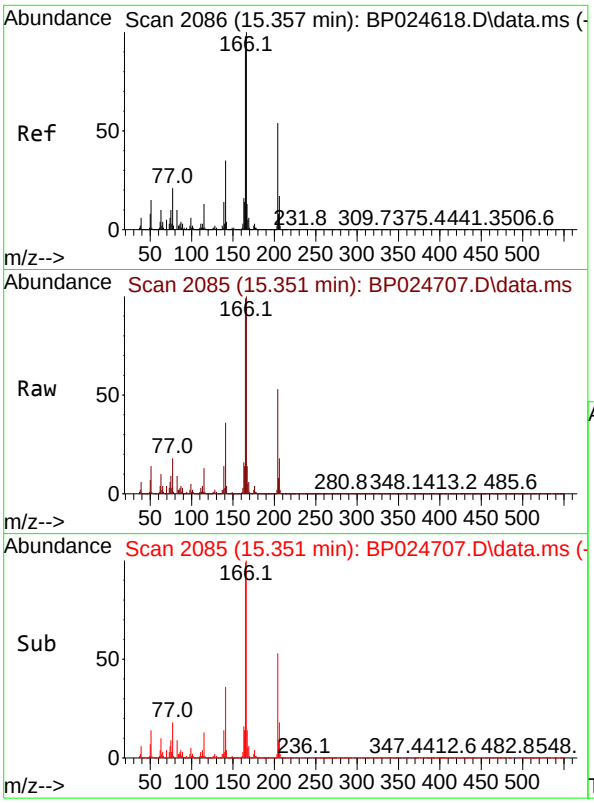


#60
Diethylphthalate
Concen: 41.587 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 974989

Ion	Ratio	Lower	Upper
149	100		
177	21.8	16.7	25.1
150	12.5	10.2	15.2



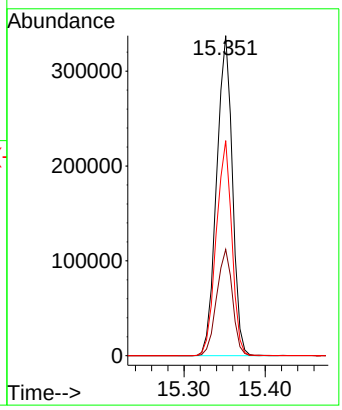


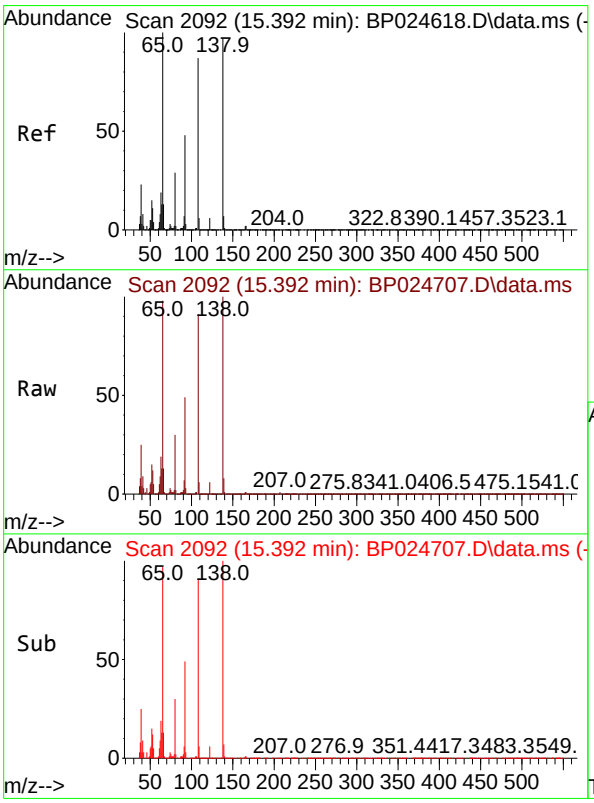
#61
4-Chlorophenyl-phenylether
Concen: 42.541 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:204 Resp: 455268

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.0	39.0
141	67.2	52.9	79.3

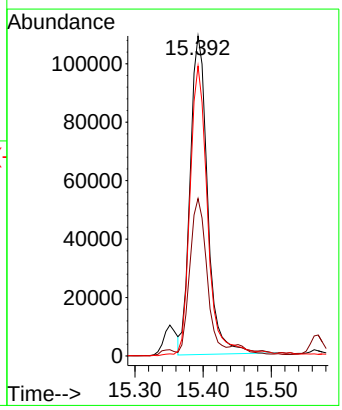


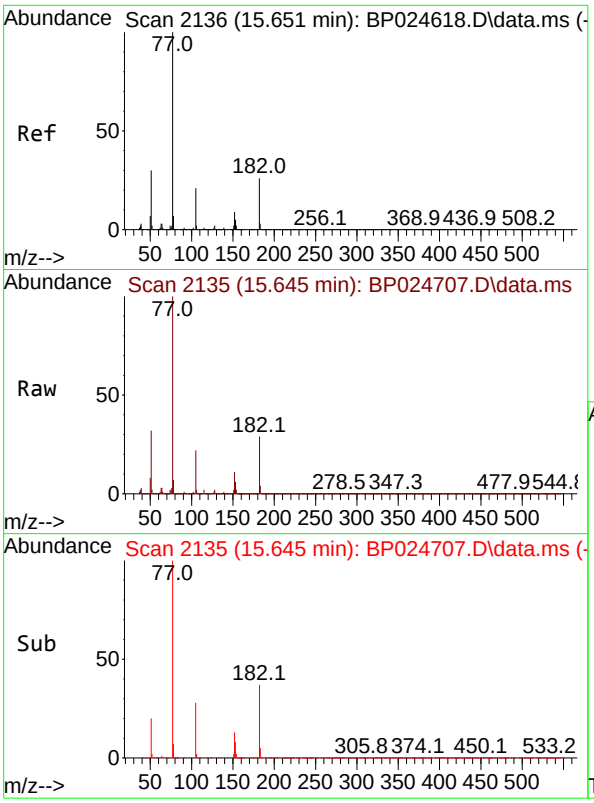


#62
4-Nitroaniline
Concen: 39.994 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:138 Resp: 193166

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	90.6	69.0	109.0



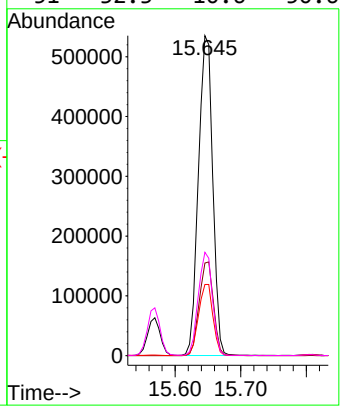


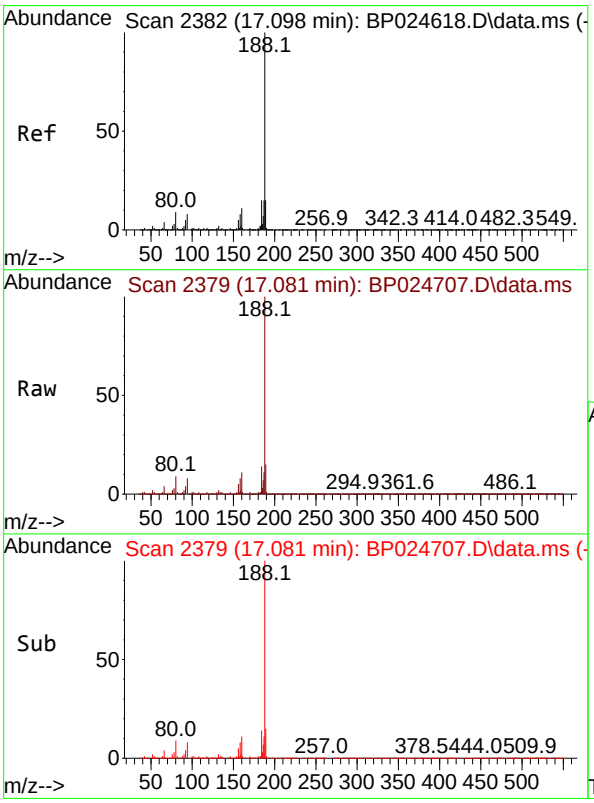
#63
Azobenzene
Concen: 40.590 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion: 77 Resp: 814077

Ion	Ratio	Lower	Upper
77	100		
182	28.9	5.7	45.7
105	22.3	1.3	41.3
51	32.3	10.6	50.6

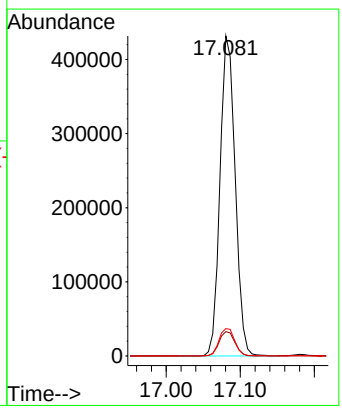


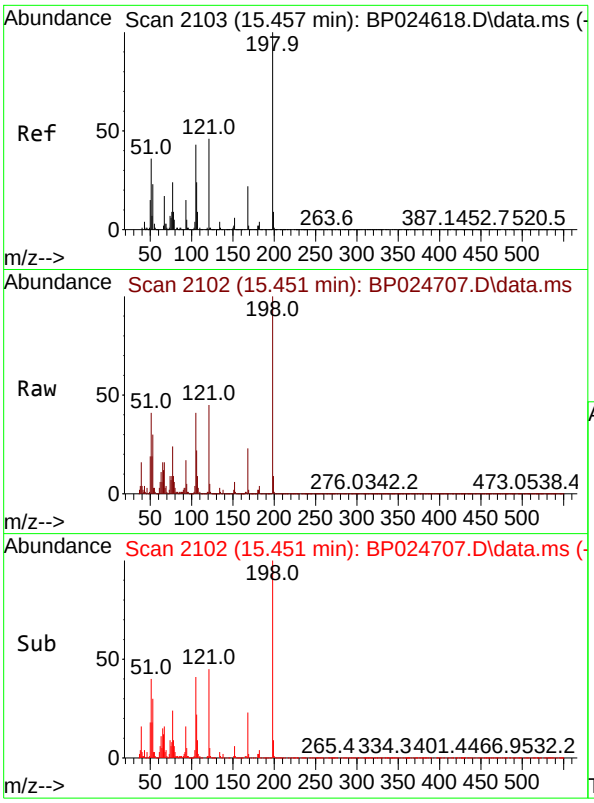


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:188 Resp: 614284

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.5	9.7
80	8.5	7.3	10.9



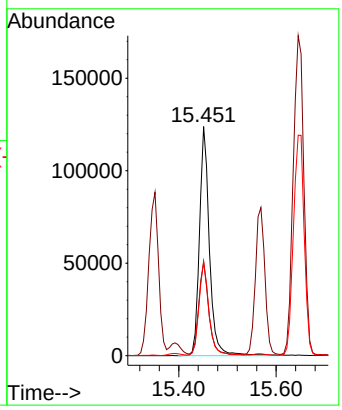


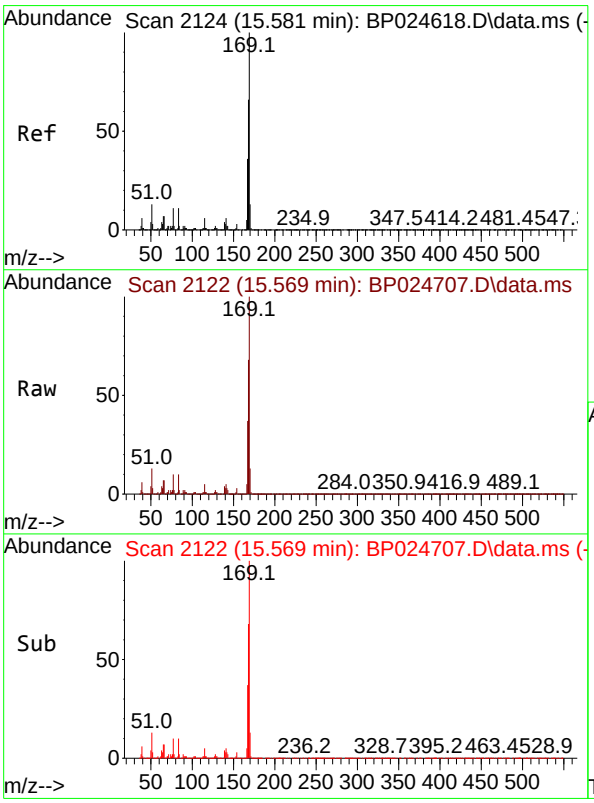
#65
4,6-Dinitro-2-methylphenol
Concen: 44.261 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:198 Resp: 175622

Ion	Ratio	Lower	Upper
198	100		
51	40.9	21.1	61.1
105	41.2	23.6	63.6

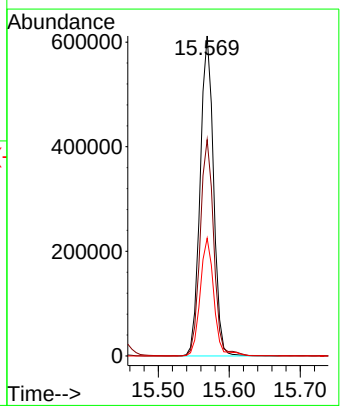


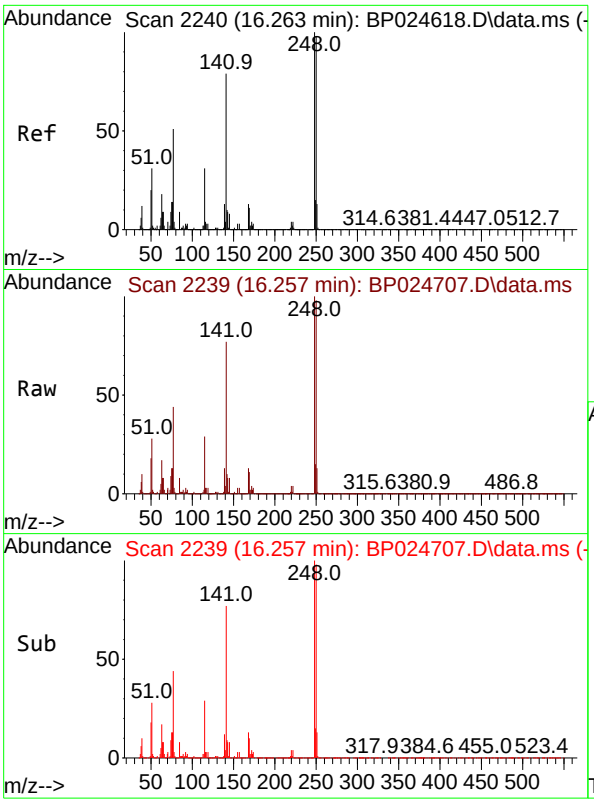


#66
n-Nitrosodiphenylamine
Concen: 42.587 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:169 Resp: 803540

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.2	79.8
167	36.8	28.6	43.0



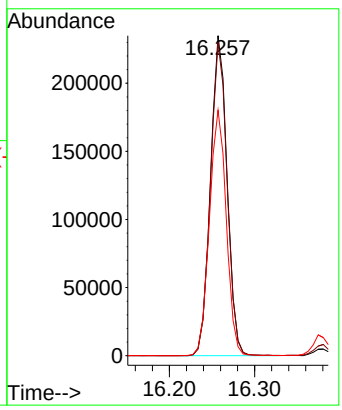


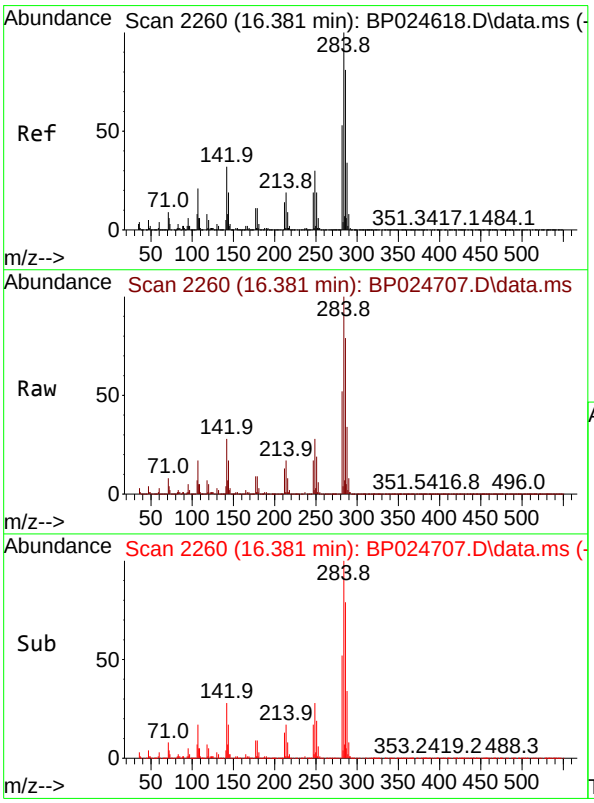
#67
4-Bromophenyl-phenylether
Concen: 44.014 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:248 Resp: 318593

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.2	117.4
141	76.7	63.0	94.6

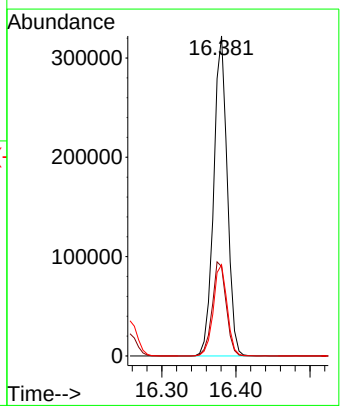


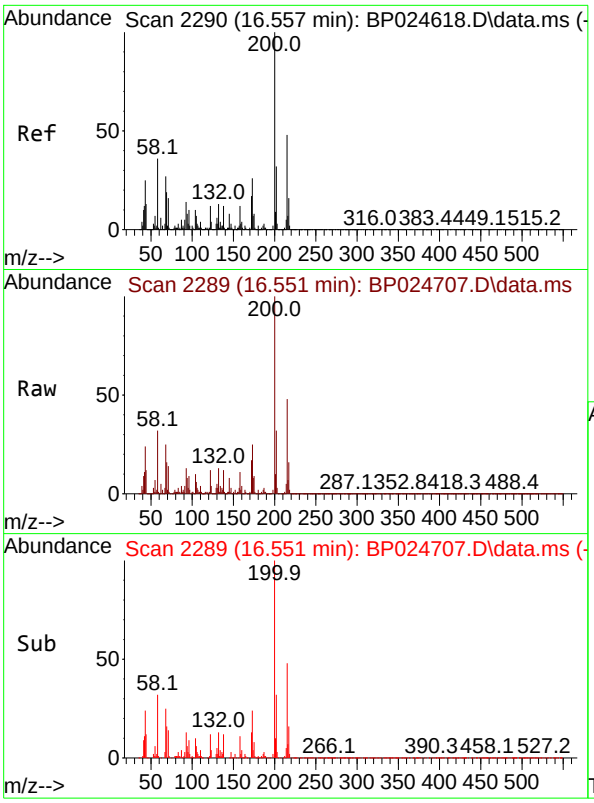


#68
Hexachlorobenzene
Concen: 44.412 ng
RT: 16.381 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:284 Resp: 408492

Ion	Ratio	Lower	Upper
284	100		
142	27.9	25.9	38.9
249	28.5	24.1	36.1



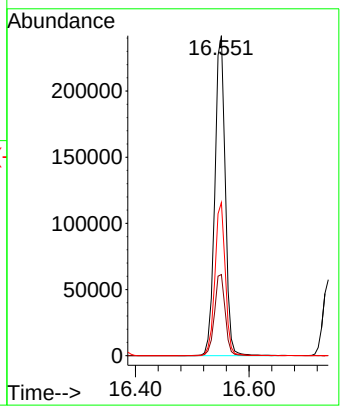


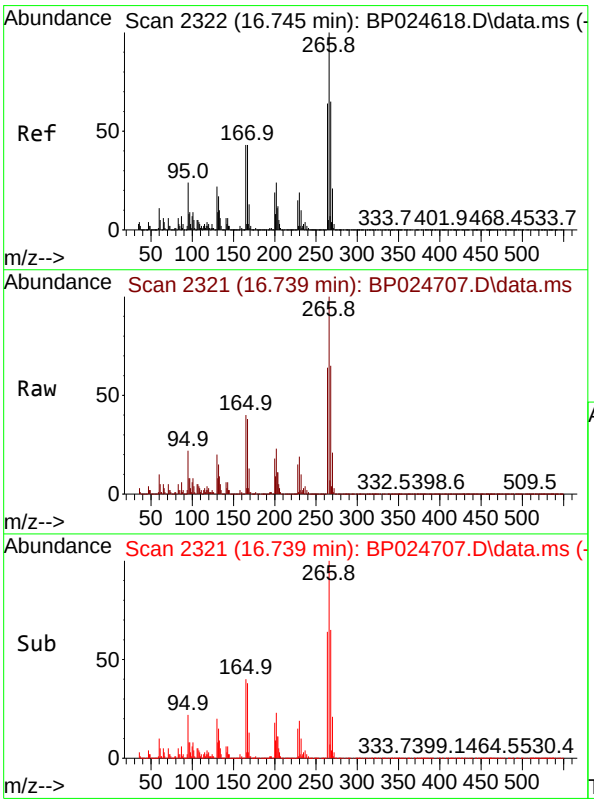
#69
Atrazine
Concen: 44.406 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:200 Resp: 307059

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.9	45.9
215	47.9	28.3	68.3

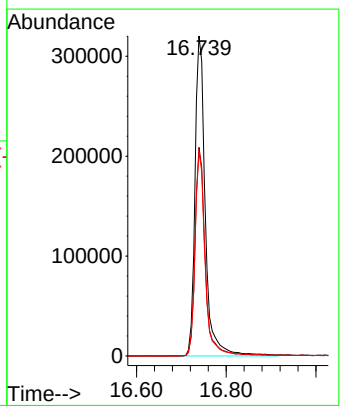


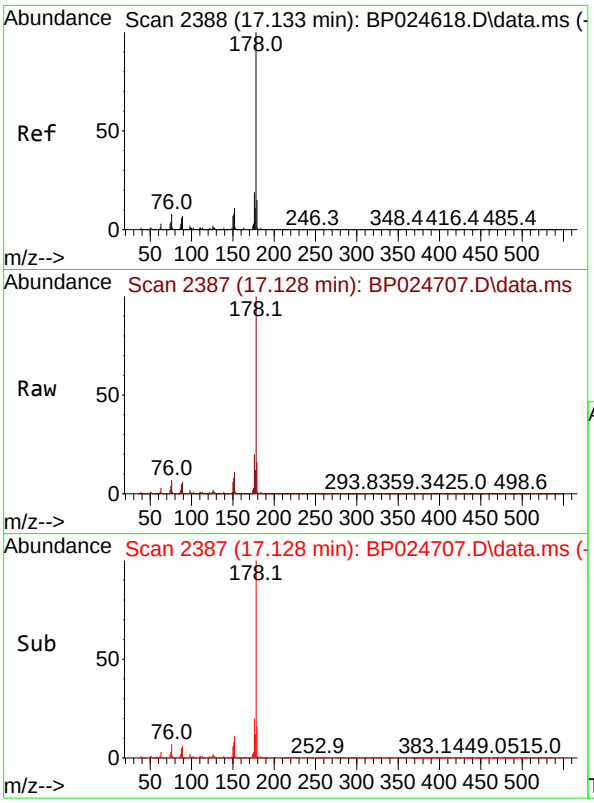


#70
Pentachlorophenol
Concen: 98.822 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:266 Resp: 510226

Ion	Ratio	Lower	Upper
266	100		
268	65.2	52.2	78.4
264	63.6	51.1	76.7



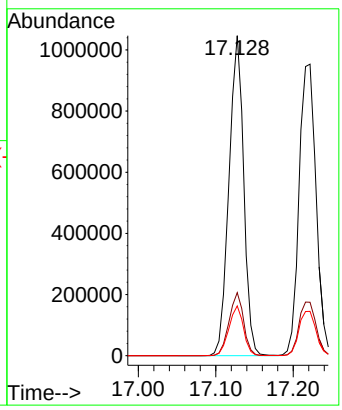


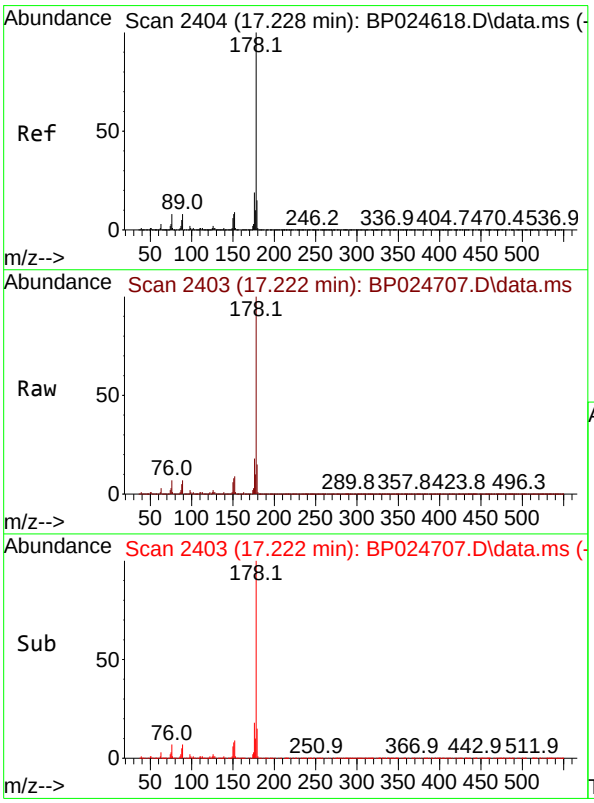
#71
Phenanthrene
Concen: 40.607 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:178 Resp: 1386666

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.6	12.2	18.4

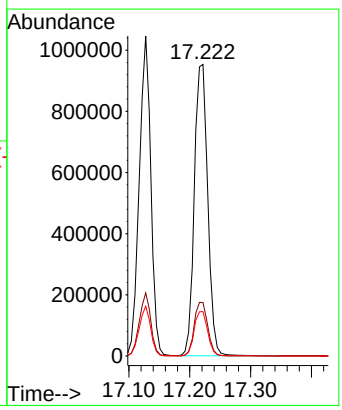


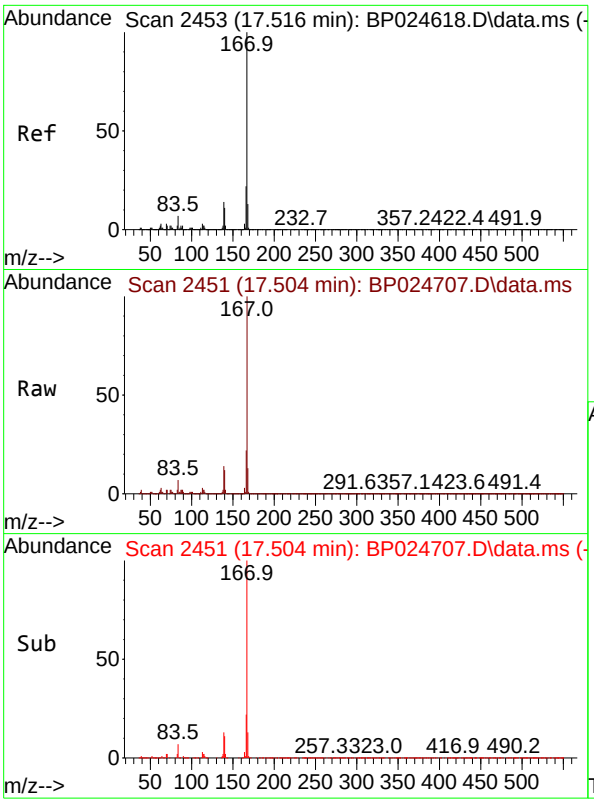


#72
Anthracene
Concen: 42.411 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:178 Resp: 1457149

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.2	12.2	18.2



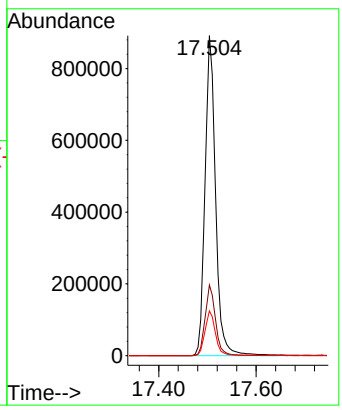


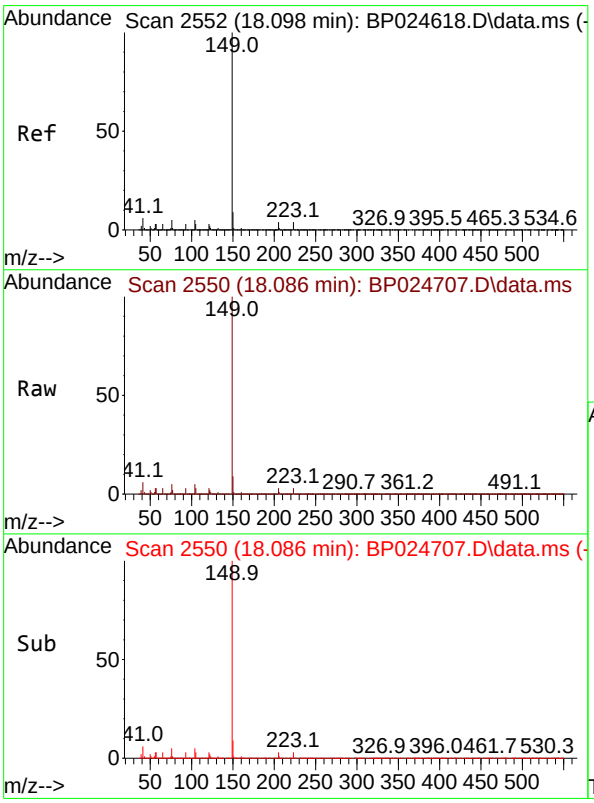
#73
Carbazole
Concen: 42.941 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:167 Resp: 1335342

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.0	11.3	16.9

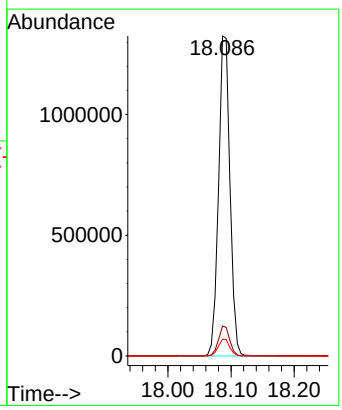


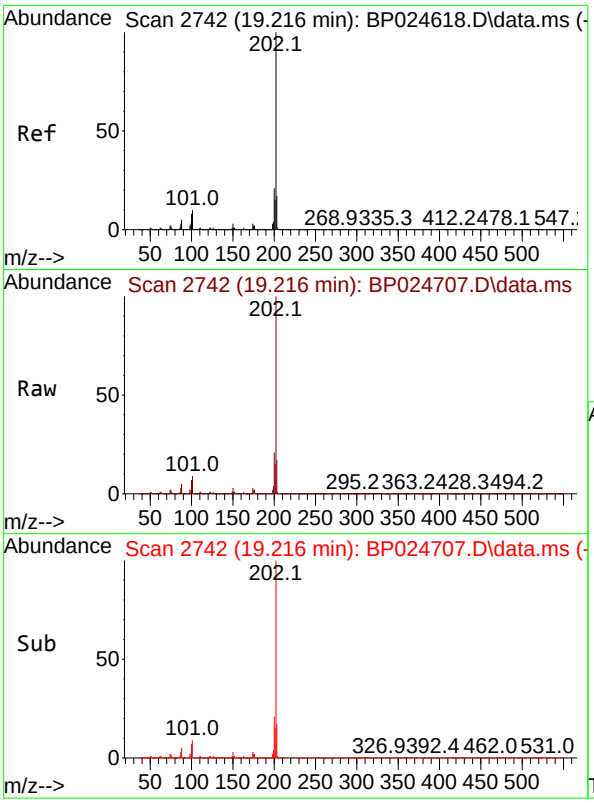


#74
Di-n-butylphthalate
Concen: 41.451 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 1657780

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.2	10.8
104	5.3	4.3	6.5



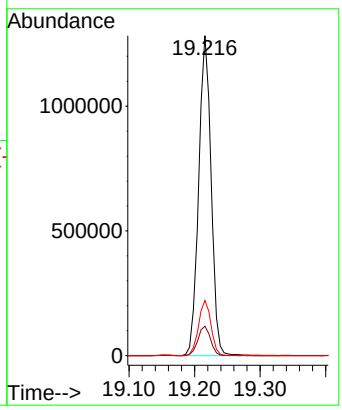


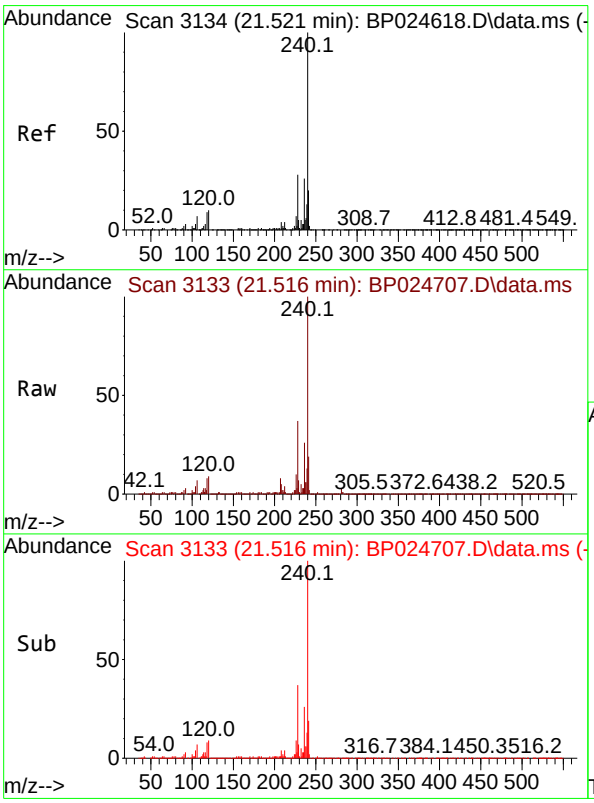
#75
Fluoranthene
Concen: 42.484 ng
RT: 19.216 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:202 Resp: 1695882

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	30.3
203	17.3	0.0	37.5

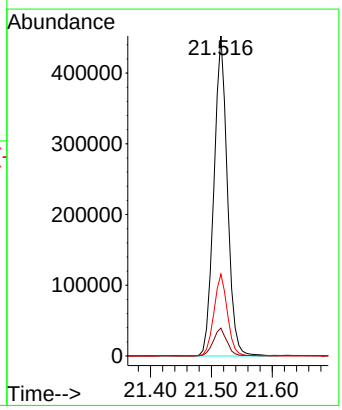


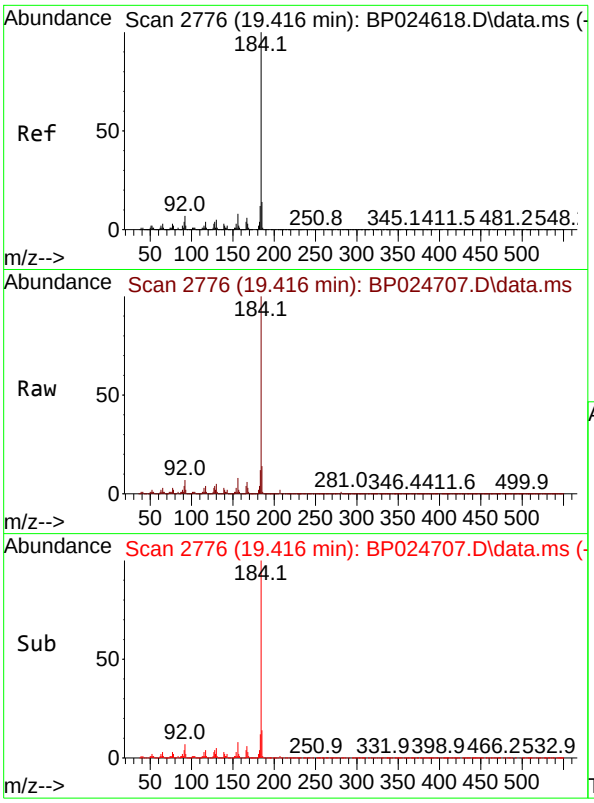


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:240 Resp: 693187

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.8	11.6
236	25.5	20.6	31.0



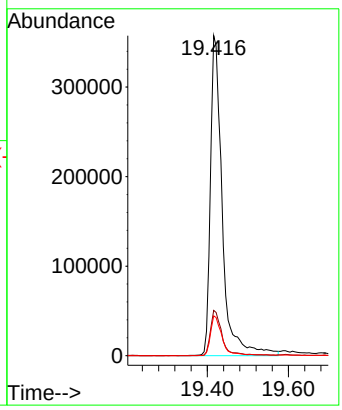


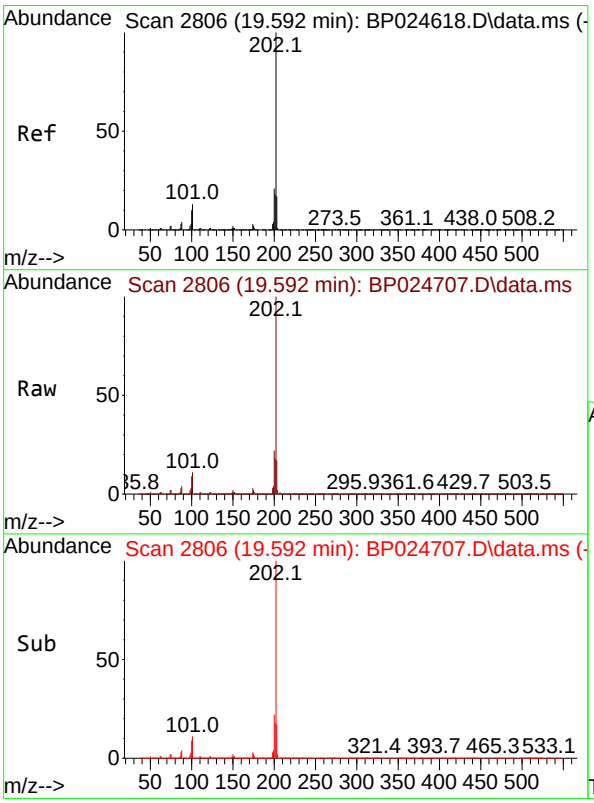
#77
Benzidine
Concen: 38.307 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:184 Resp: 723227

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.2	16.8
183	12.4	9.8	14.8

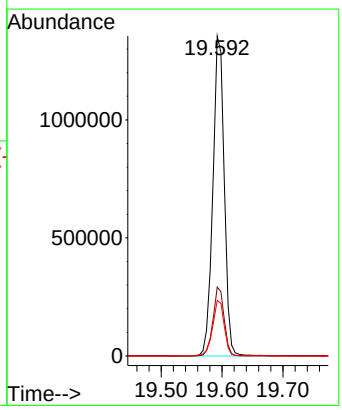


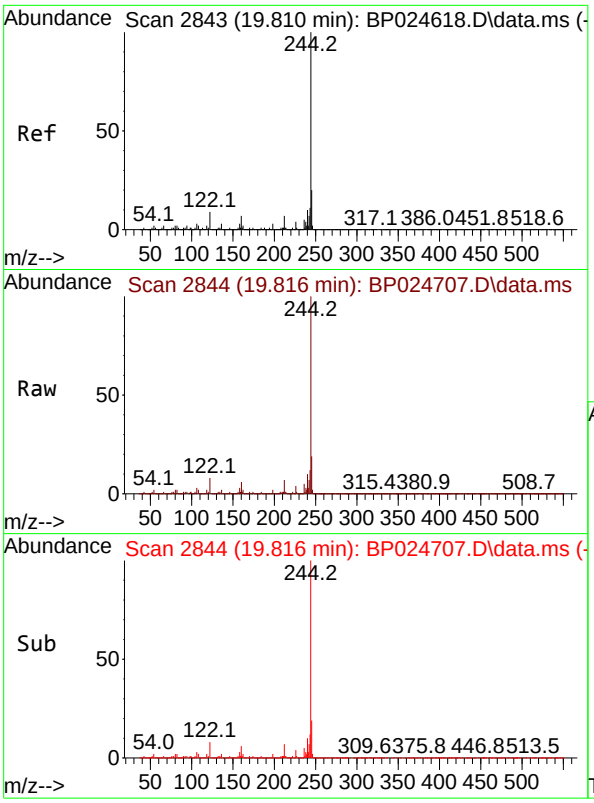


#78
Pyrene
Concen: 42.384 ng
RT: 19.592 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:202 Resp: 1760402

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	17.3	13.9	20.9



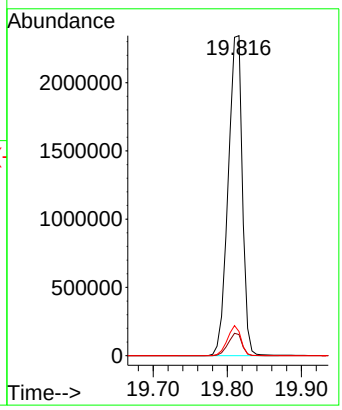


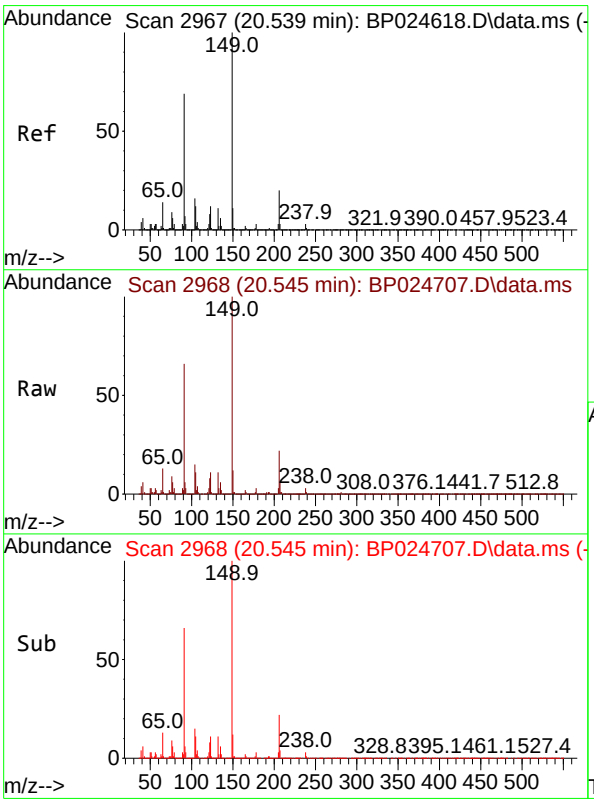
#79
Terphenyl-d14
Concen: 76.855 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:244 Resp: 3106963

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	7.6	7.4	11.0

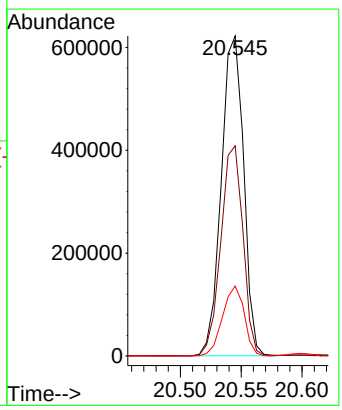


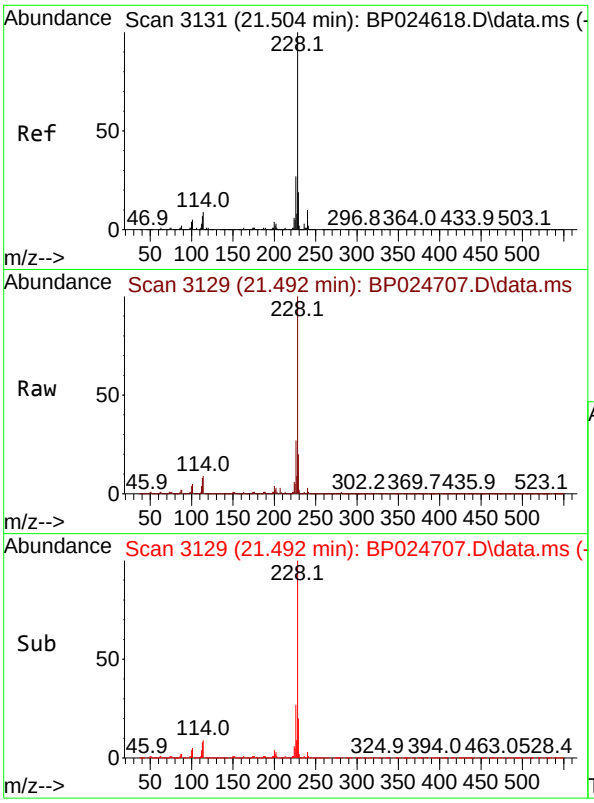


#80
Butylbenzylphthalate
Concen: 43.100 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 796147

Ion	Ratio	Lower	Upper
149	100		
91	65.7	55.4	83.0
206	21.8	16.2	24.2



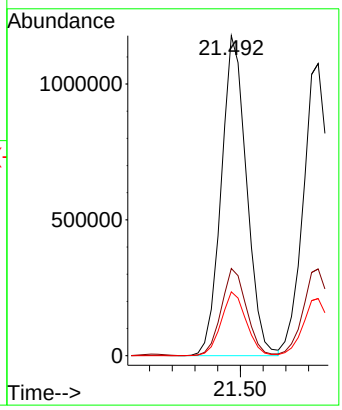


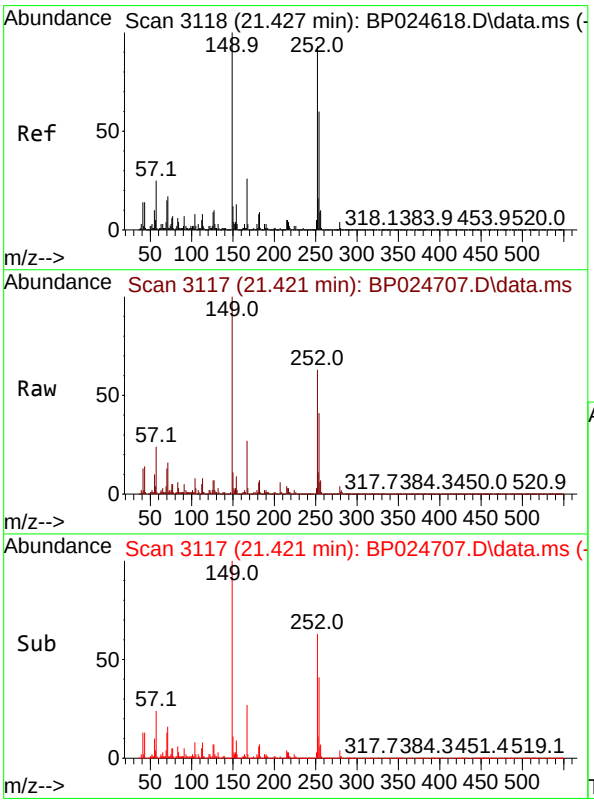
#81
Benzo(a)anthracene
Concen: 41.934 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:228 Resp: 1825211

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.0
229	20.0	15.5	23.3

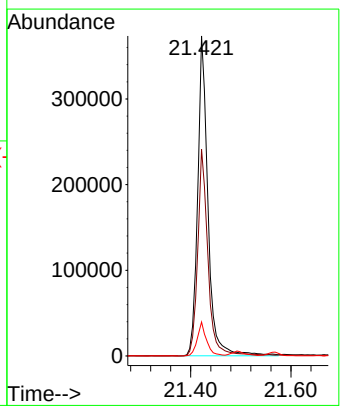


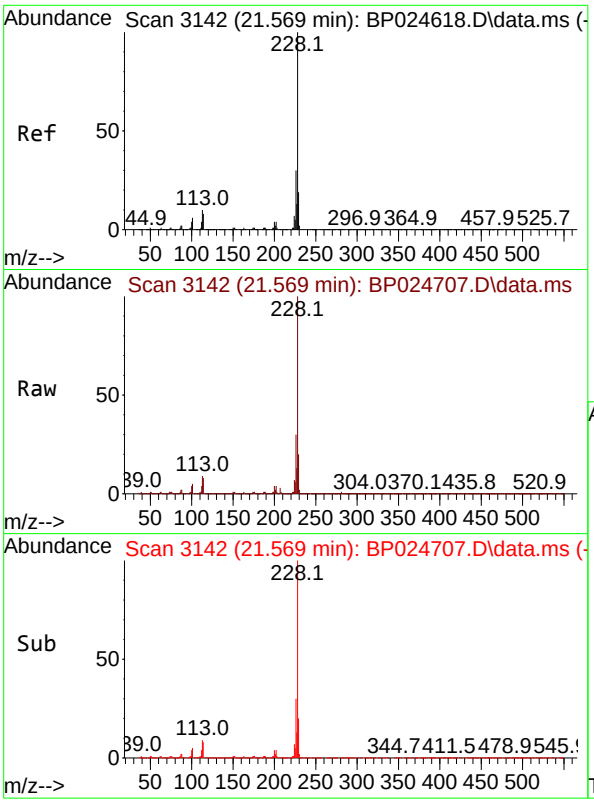


#82
3,3'-Dichlorobenzidine
Concen: 33.013 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 533711

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	10.6	7.7	11.5



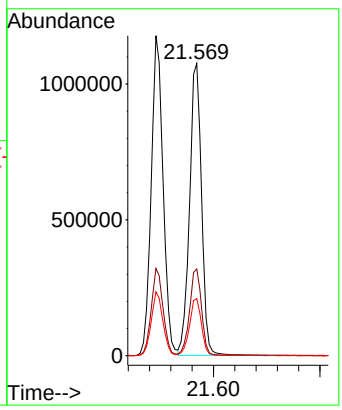


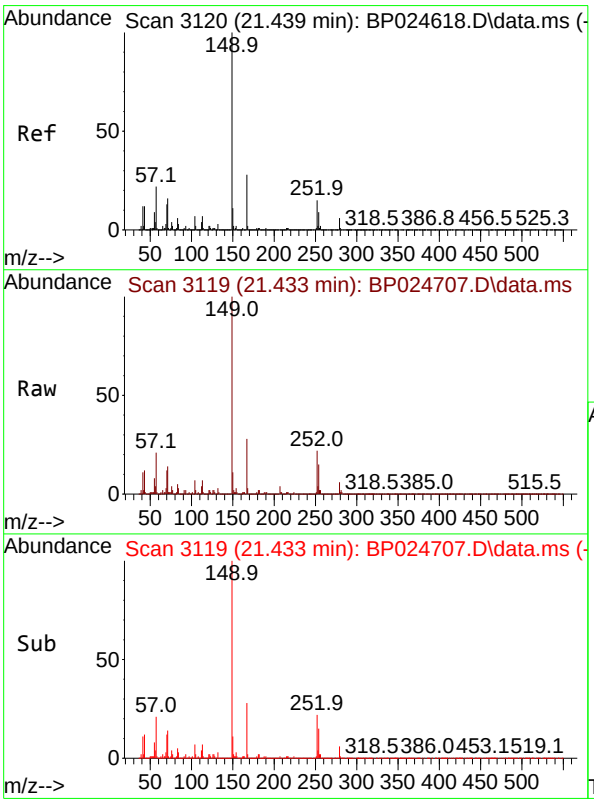
#83
Chrysene
Concen: 40.778 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:228 Resp: 1682550

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.6	15.5	23.3

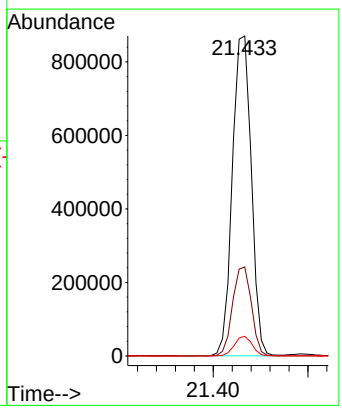


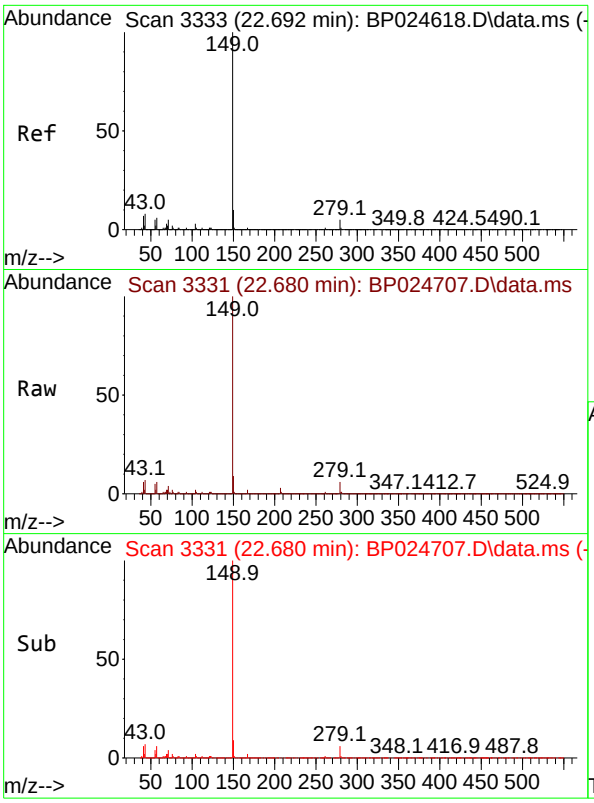


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.315 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 1203178

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	6.2	4.6	6.8



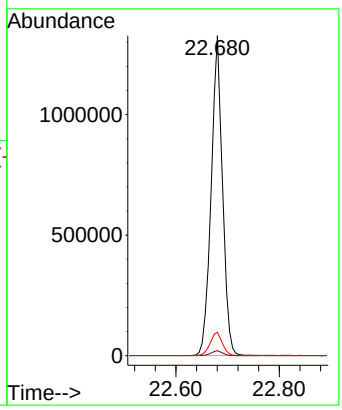


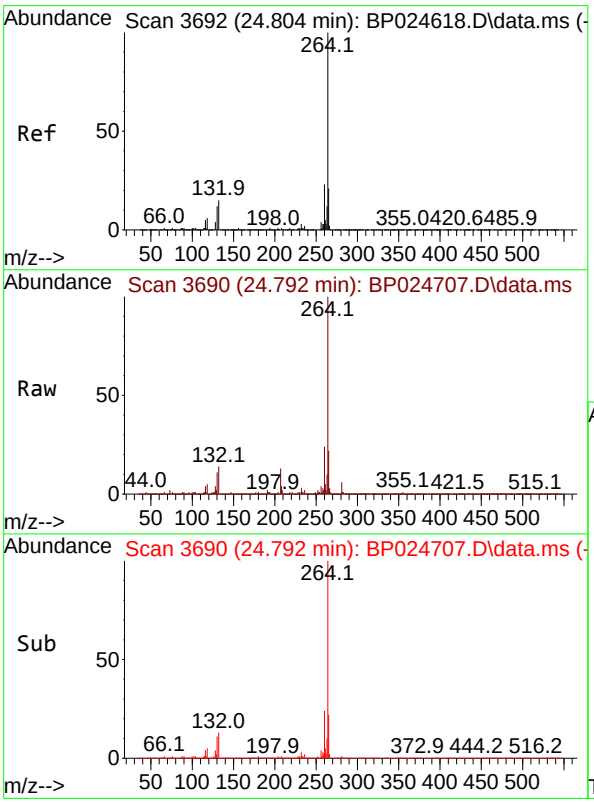
#85
Di-n-octyl phthalate
Concen: 45.433 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:149 Resp: 2017155

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.8	6.3	9.5

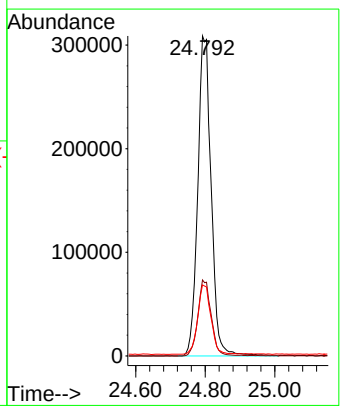


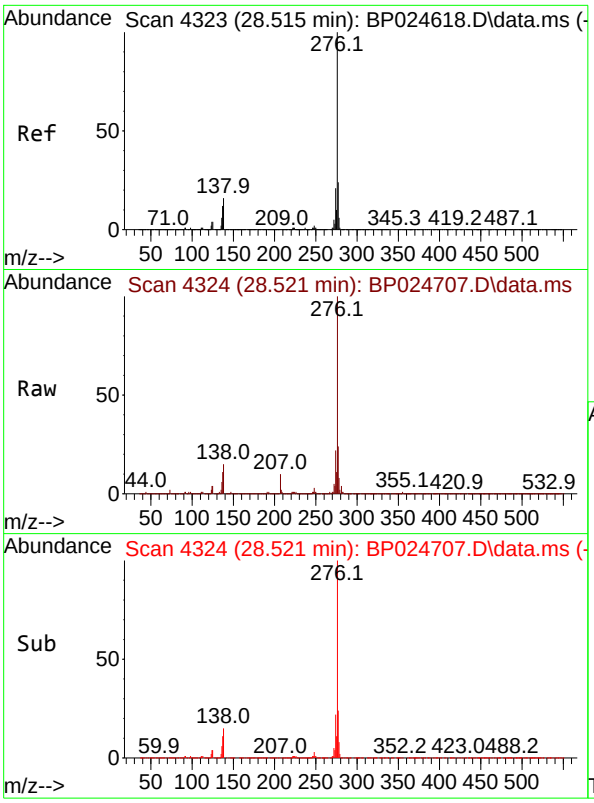


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:264 Resp: 827509

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.2	17.0	25.6



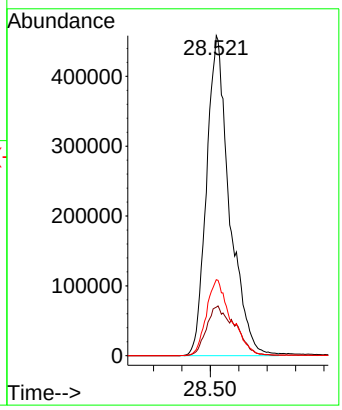


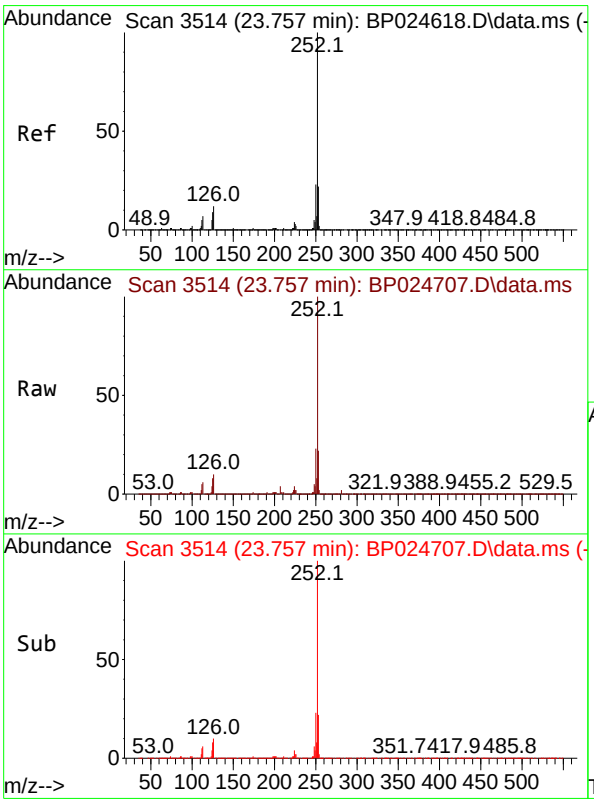
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.681 ng
RT: 28.521 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:276 Resp: 2578470

Ion	Ratio	Lower	Upper
276	100		
138	19.3	11.2	16.8#
277	25.6	15.7	23.5#

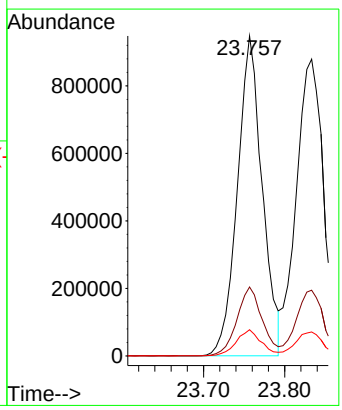


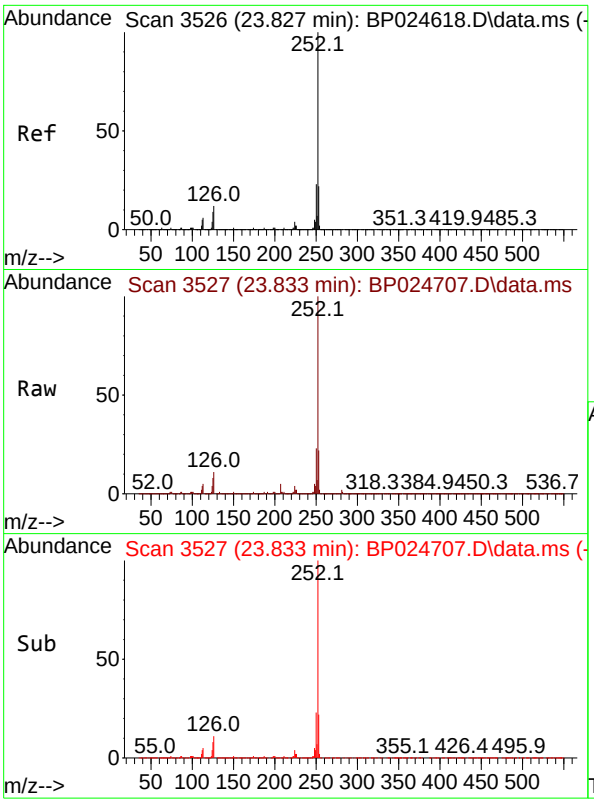


#88
Benzo(b)fluoranthene
Concen: 42.499 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 2012992

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.2	7.5	11.3



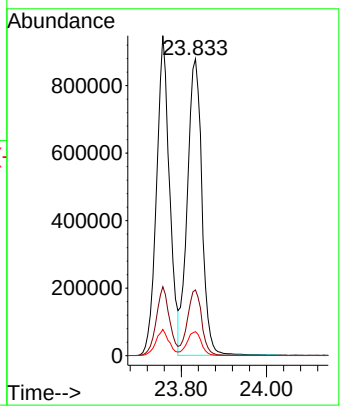


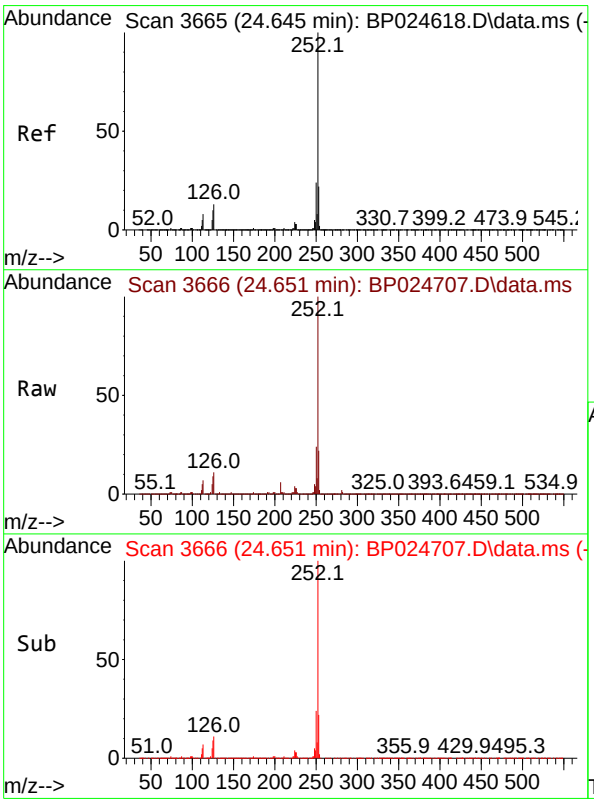
#89
Benzo(k)fluoranthene
Concen: 42.726 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:252 Resp: 2085330

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.1	7.0	10.4

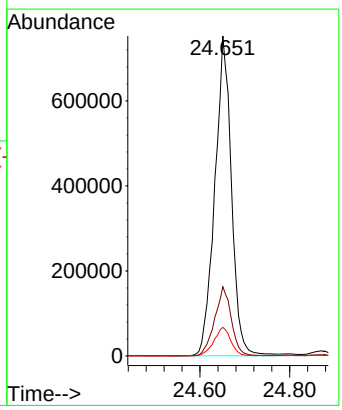


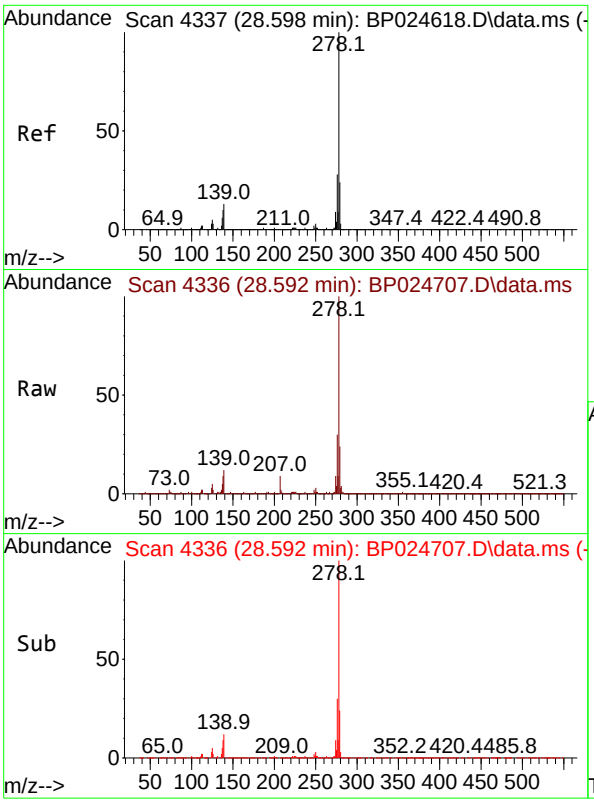


#90
Benzo(a)pyrene
Concen: 42.598 ng
RT: 24.651 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 1937802

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.0	8.1	12.1



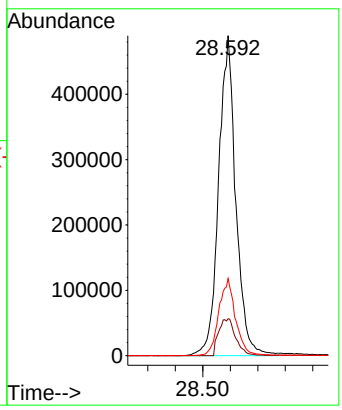


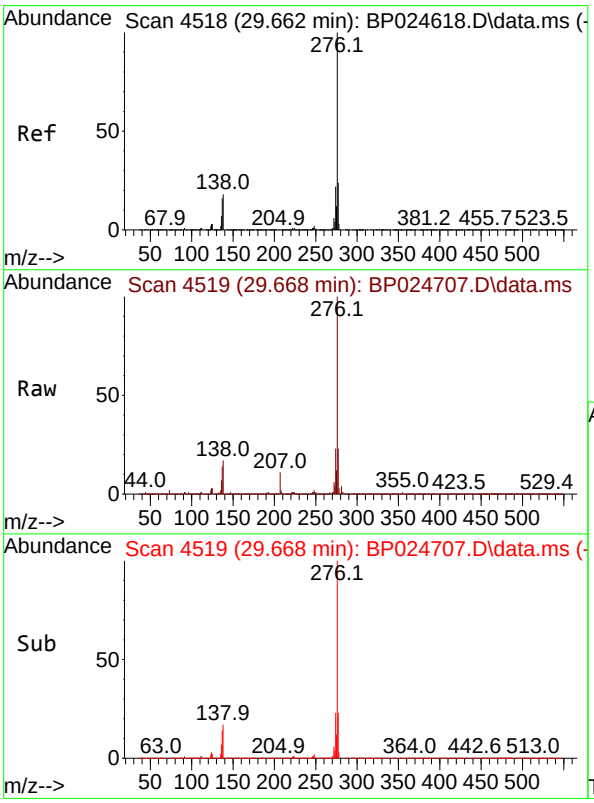
#91
Dibenzo(a,h)anthracene
Concen: 43.192 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Instrument :
BNA_P
ClientSampleId :
PB168048BS

Tgt Ion:278 Resp: 2122778

Ion	Ratio	Lower	Upper
278	100		
139	11.5	10.2	15.4
279	24.1	19.0	28.4

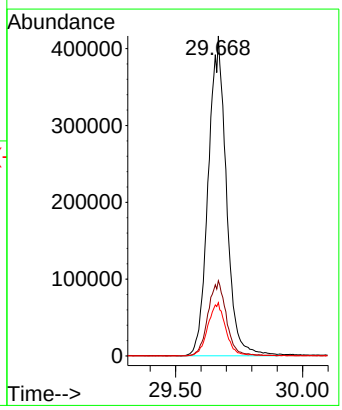




#92
Benzo(g,h,i)perylene
Concen: 42.061 ng
RT: 29.668 min Scan# 4519
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:276 Resp: 2055756

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	16.7	14.4	21.6



Raw Data: **BP024708.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	33.3		3.90	8.00	10.0	ug/L
108-95-2	Phenol	41.7		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.9		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	43.8		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	40.8		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.5		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.5		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.9		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	39.5		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	37.7		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.0		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.2		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	42.5		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	34.9		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.8		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	43.3		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.8		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.9		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	99.7	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.8		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.9		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	4.00	5.00	ug/L

Raw Data: **BP024708.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.7		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.8		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	37.1		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	44.5		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.7	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	78.4		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.7		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.1		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	45.6		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	43.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	47.6		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	44.4		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	46.9		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	46.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	43.3		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.7		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	44.7		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.2		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.7		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		0.49	4.00	5.00	ug/L

Raw Data: **BP024708.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.9		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.4		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.0		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	31.5		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.0		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128		19 - 119		85%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 130		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		44 - 119		78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		50 - 134		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140000	7.658				
1146-65-2	Naphthalene-d8	538000	10.422				
15067-26-2	Acenaphthene-d10	330000	14.287				
1517-22-2	Phenanthrene-d10	643000	17.081				
1719-03-5	Chrysene-d12	742000	21.516				
1520-96-3	Perylene-d12	839000	24.792				

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\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.658	152	139801	20.000	ng		0.00
21) Naphthalene-d8	10.422	136	538123	20.000	ng		-0.01
39) Acenaphthene-d10	14.287	164	329718	20.000	ng		-0.02
64) Phenanthrene-d10	17.081	188	642991	20.000	ng		-0.02
76) Chrysene-d12	21.516	240	741643	20.000	ng		0.00
86) Perylene-d12	24.792	264	838594	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	1043511	127.666	ng		0.00
7) Phenol-d6	6.863	99	1253204	120.132	ng		0.01
23) Nitrobenzene-d5	8.805	82	807485	75.818	ng		0.00
42) 2,4,6-Tribromophenol	15.804	330	816620	146.094	ng		0.00
45) 2-Fluorobiphenyl	12.893	172	1964889	78.074	ng		-0.01
79) Terphenyl-d14	19.804	244	3433913	79.393	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	120709	31.450	ng		95
3) Pyridine	3.617	79	287355	33.764	ng		95
4) n-Nitrosodimethylamine	3.528	42	150262	39.993	ng		88
6) Aniline	6.999	93	471275	34.991	ng		100
8) 2-Chlorophenol	7.234	128	406514	43.810	ng		98
9) Benzaldehyde	6.811	77	225153	33.341	ng		98
10) Phenol	6.887	94	449144	41.715	ng		96
11) bis(2-Chloroethyl)ether	7.087	93	343898	38.871	ng		100
12) 1,3-Dichlorobenzene	7.546	146	445502	41.731	ng		99
13) 1,4-Dichlorobenzene	7.693	146	456307	42.498	ng		99
14) 1,2-Dichlorobenzene	8.005	146	419608	40.106	ng		99
15) Benzyl Alcohol	7.905	79	327937	41.367	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.175	45	375945	35.482	ng		98
17) 2-Methylphenol	8.116	107	314693	40.750	ng		97
18) Hexachloroethane	8.716	117	162657	39.533	ng		98
19) n-Nitroso-di-n-propyla...	8.457	70	251492	34.851	ng		95
20) 3+4-Methylphenols	8.446	107	425353	40.492	ng		96
22) Acetophenone	8.469	105	559135	41.596	ng	#	98
24) Nitrobenzene	8.846	77	395885	42.239	ng		96
25) Isophorone	9.363	82	697164	37.737	ng		99
26) 2-Nitrophenol	9.552	139	219271	47.744	ng		98
27) 2,4-Dimethylphenol	9.622	122	372381	45.988	ng		99
28) bis(2-Chloroethoxy)met...	9.846	93	438080	39.691	ng		99
29) 2,4-Dichlorophenol	10.099	162	370553	47.224	ng		96
30) 1,2,4-Trichlorobenzene	10.287	180	392603	44.400	ng		97
31) Naphthalene	10.475	128	1185760	42.522	ng		100
32) Benzoic acid	9.810	122	245894m	44.302	ng		
33) 4-Chloroaniline	10.593	127	393001	34.925	ng		99
34) Hexachlorobutadiene	10.752	225	262558	45.836	ng		98
35) Caprolactam	11.399	113	122940	43.305	ng		99
36) 4-Chloro-3-methylphenol	11.740	107	409493	42.794	ng		98
37) 2-Methylnaphthalene	12.087	142	755884	41.862	ng		99
38) 1-Methylnaphthalene	12.310	142	792211	41.005	ng		99
40) 1,2,4,5-Tetrachloroben...	12.457	216	450159	47.016	ng		99
41) Hexachlorocyclopentadiene	12.434	237	578889	99.710	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	308678	49.774	ng		99

Sample Results: **BP024708.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	333877	48.366	ng	96
46) 1,1'-Biphenyl	13.104	154	1119732	45.948	ng	99
47) 2-Chloronaphthalene	13.145	162	857654	46.157	ng	98
48) 2-Nitroaniline	13.369	65	247888	45.061	ng	96
49) Acenaphthylene	14.004	152	1357825	43.666	ng	100
50) Dimethylphthalate	13.745	163	1126770	44.835	ng	100
51) 2,6-Dinitrotoluene	13.863	165	242858	45.757	ng	96
52) Acenaphthene	14.351	154	795831	44.519	ng	99
53) 3-Nitroaniline	14.204	138	200980	37.085	ng	98
54) 2,4-Dinitrophenol	14.422	184	292154	86.708	ng	96
55) Dibenzofuran	14.692	168	1245387	43.677	ng	98
56) 4-Nitrophenol	14.563	139	367273	78.370	ng	96
57) 2,4-Dinitrotoluene	14.669	165	343419	45.895	ng	97
58) Fluorene	15.345	166	1060372	45.608	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	307270	47.983	ng	97
60) Diethylphthalate	15.122	149	1120632	44.119	ng	99
61) 4-Chlorophenyl-phenyle...	15.339	204	526856	45.439	ng	98
62) 4-Nitroaniline	15.387	138	228988	43.760	ng	99
63) Azobenzene	15.639	77	928905	42.749	ng	96
65) 4,6-Dinitro-2-methylph...	15.451	198	203628	49.028	ng	98
66) n-Nitrosodiphenylamine	15.563	169	938311	47.509	ng	99
67) 4-Bromophenyl-phenylether	16.251	248	363780	48.013	ng	98
68) Hexachlorobenzene	16.369	284	458184	47.591	ng	99
69) Atrazine	16.545	200	344306	47.570	ng	99
70) Pentachlorophenol	16.734	266	590870	109.332	ng	99
71) Phenanthrene	17.128	178	1585722	44.362	ng	99
72) Anthracene	17.216	178	1687384	46.920	ng	100
73) Carbazole	17.504	167	1527551	46.929	ng	100
74) Di-n-butylphthalate	18.086	149	1942338	46.398	ng	100
75) Fluoranthene	19.210	202	1881199	45.023	ng	99
77) Benzidine	19.416	184	1184443	58.638	ng	100
78) Pyrene	19.586	202	1922595	43.265	ng	100
80) Butylbenzylphthalate	20.539	149	882879	44.673	ng	92
81) Benzo(a)anthracene	21.498	228	2082335	44.715	ng	100
82) 3,3'-Dichlorobenzidine	21.422	252	713621	41.258	ng	99
83) Chrysene	21.563	228	1974706	44.732	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	1370288	47.173	ng	100
85) Di-n-octyl phthalate	22.680	149	2264072	47.662	ng	99
87) Indeno(1,2,3-cd)pyrene	28.527	276	2777529	45.368	ng	95
88) Benzo(b)fluoranthene	23.763	252	2257968	47.041	ng	99
89) Benzo(k)fluoranthene	23.821	252	2269488	45.885	ng	99
90) Benzo(a)pyrene	24.645	252	2138419	46.387	ng	99
91) Dibenzo(a,h)anthracene	28.592	278	2290677	45.992	ng	99
92) Benzo(g,h,i)perylene	29.680	276	2221548	44.853	ng	98

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

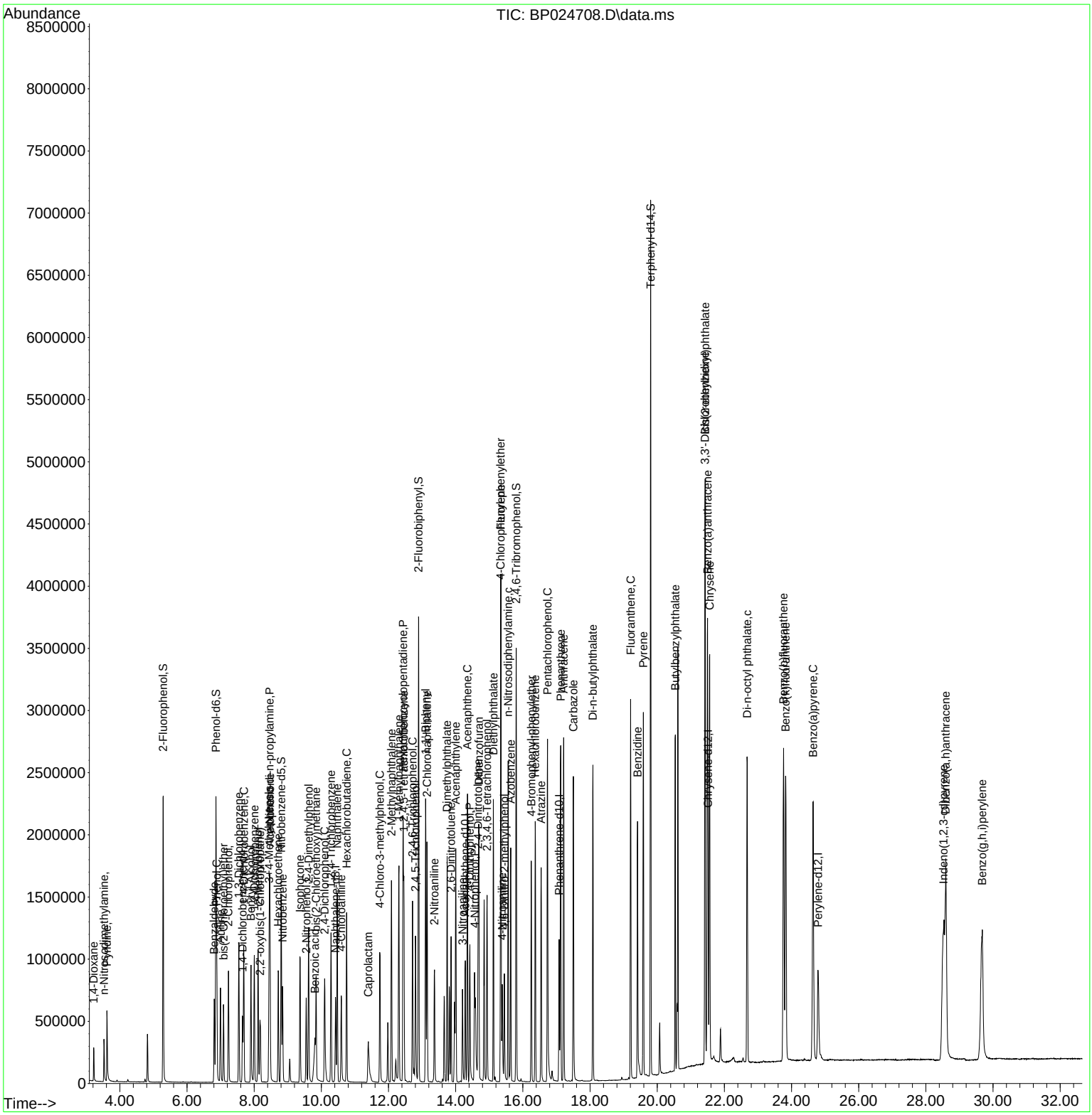
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

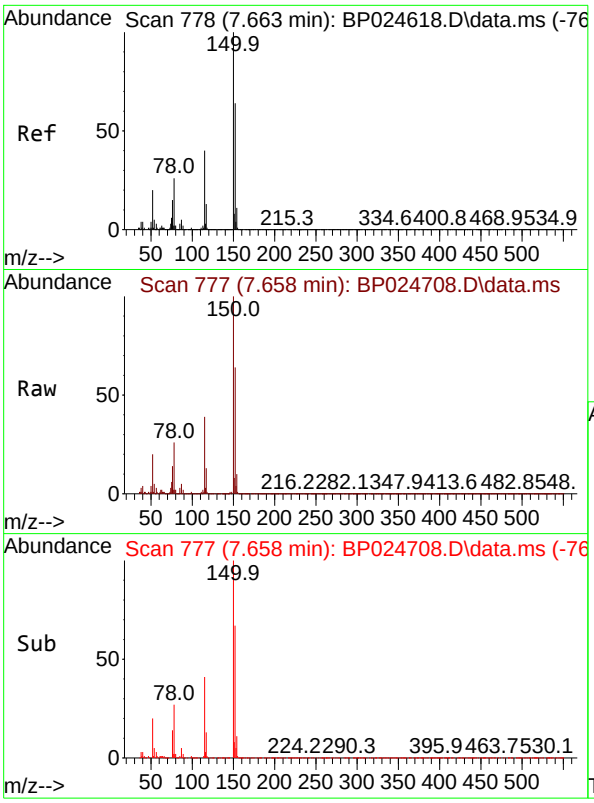
Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

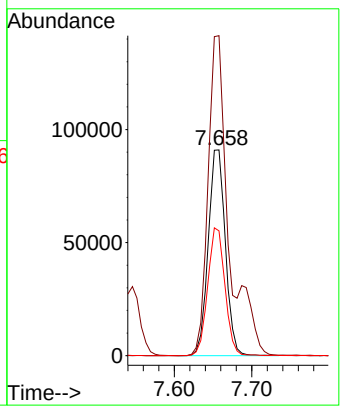




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:152 Resp: 13980

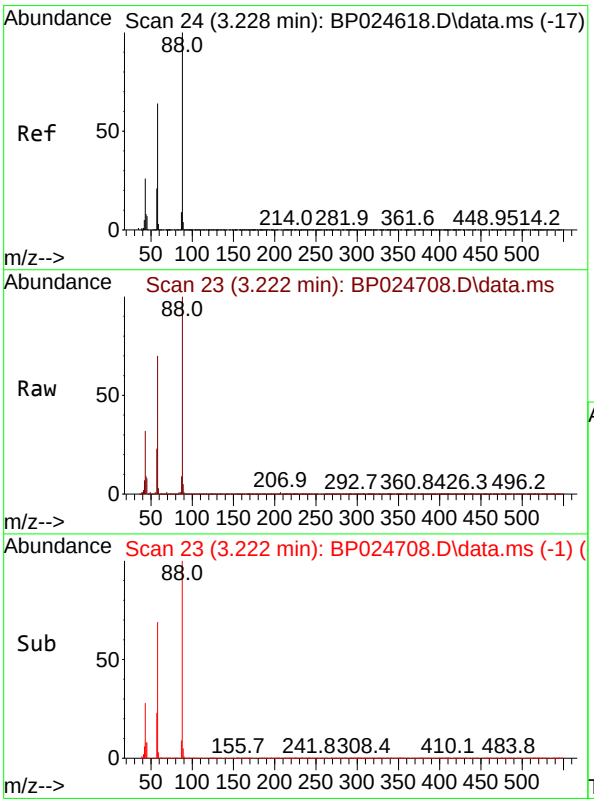
Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	60.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
APPROVED

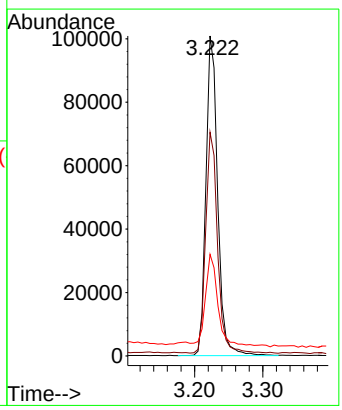
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

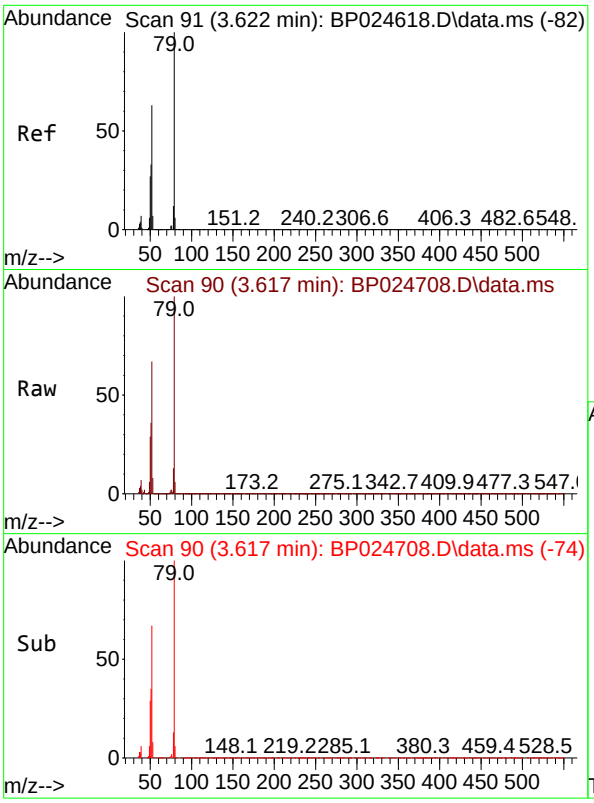


#2
1,4-Dioxane
Concen: 31.450 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 88 Resp: 120709

Ion	Ratio	Lower	Upper
88	100		
58	69.9	54.0	81.0
43	31.8	21.4	32.0

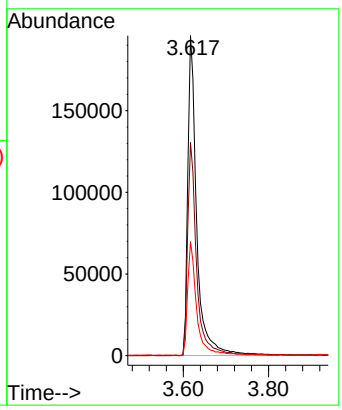




#3
Pyridine
Concen: 33.764 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 79 Resp: 28735

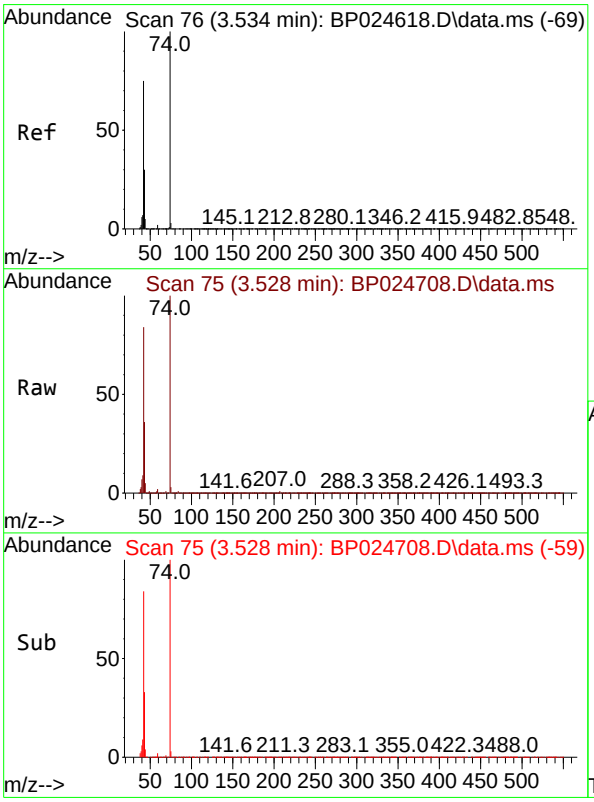
Ion	Ratio	Lower	Upper
79	100		
52	66.6	50.2	75.2
51	35.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
APPROVED

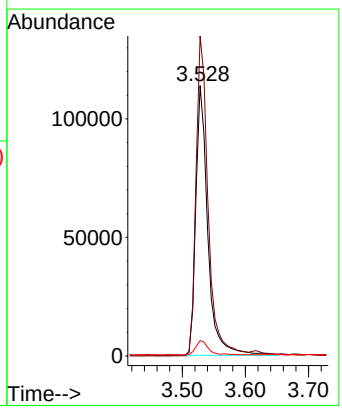
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

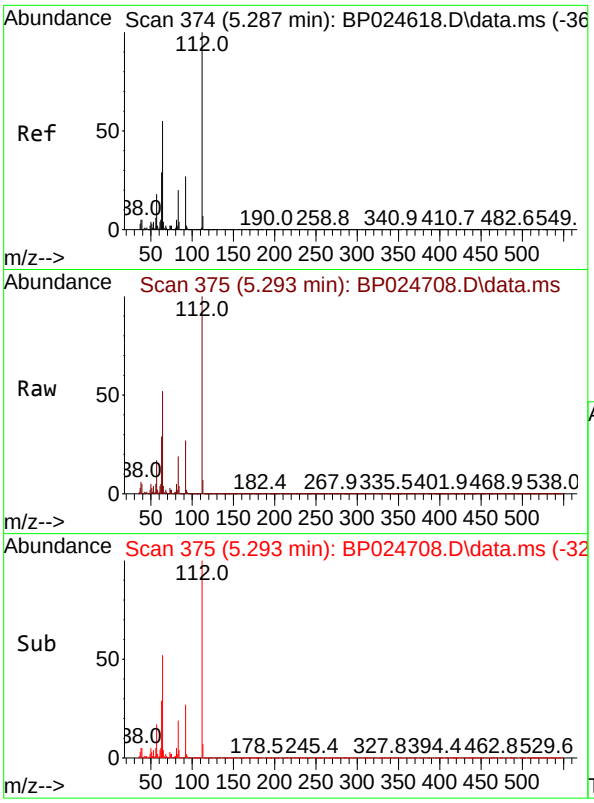


#4
n-Nitrosodimethylamine
Concen: 39.993 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 42 Resp: 150262

Ion	Ratio	Lower	Upper
42	100		
74	118.4	106.2	159.2
44	5.7	5.4	8.2

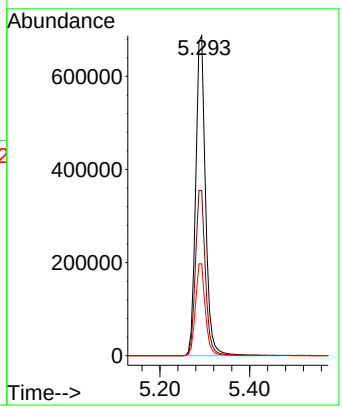




#5
2-Fluorophenol
Concen: 127.666 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:112 Resp: 104351

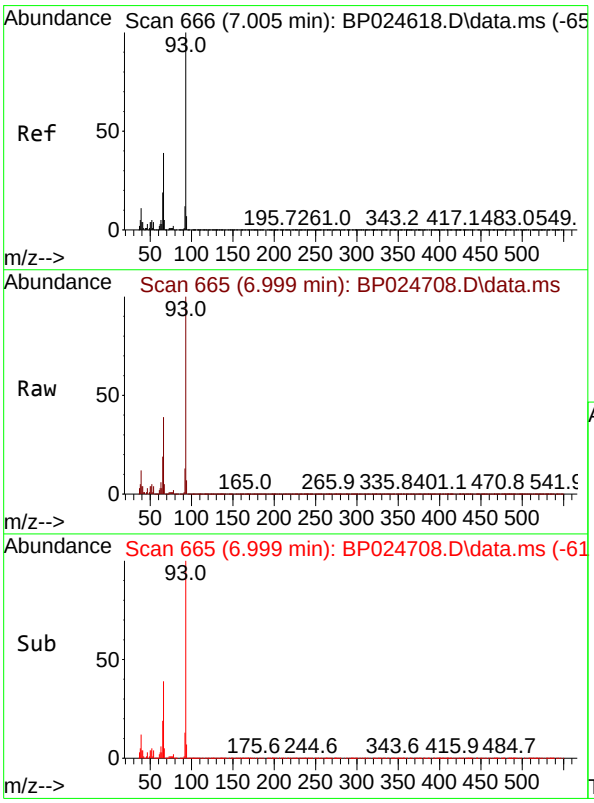
Ion	Ratio	Lower	Upper
112	100		
64	51.6	44.1	66.1
63	28.7	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
APPROVED

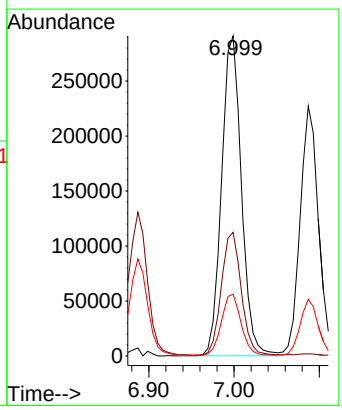
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

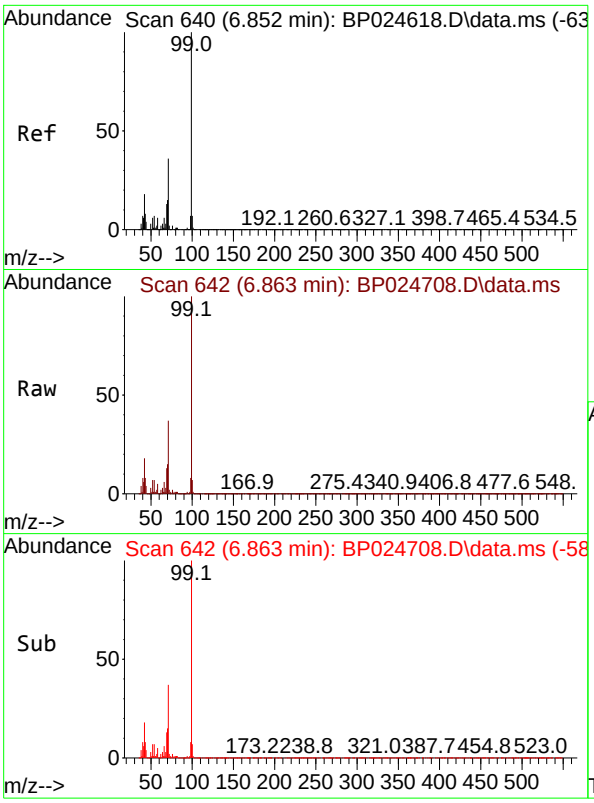


#6
Aniline
Concen: 34.991 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 471275

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.0	46.6
65	19.3	15.5	23.3

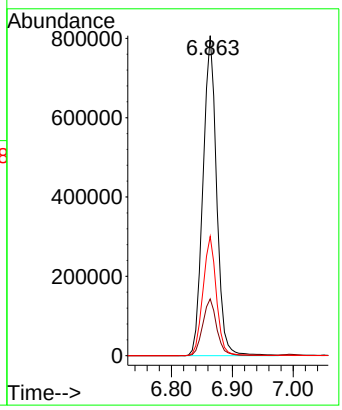




#7
Phenol-d6
Concen: 120.132 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 99 Resp: 125320

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	37.3	29.2	43.8



Instrument :
BNA_P
ClientSampleId :
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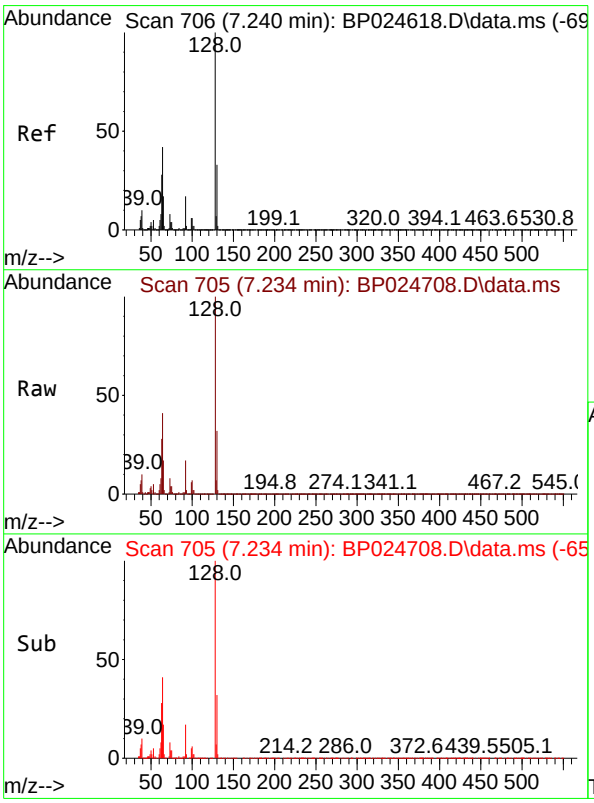
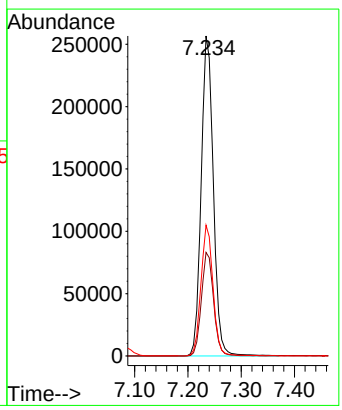
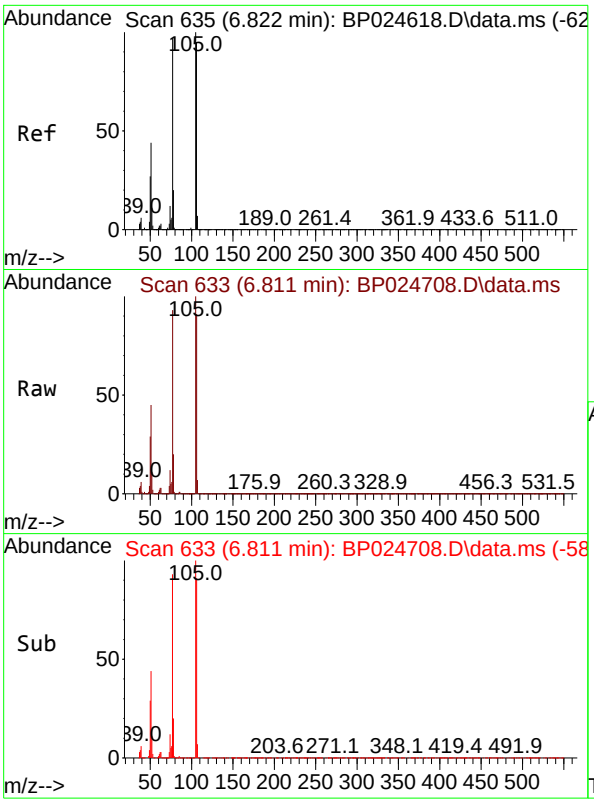


#8
2-Chlorophenol
Concen: 43.810 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 406514

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	40.9	22.3	62.3

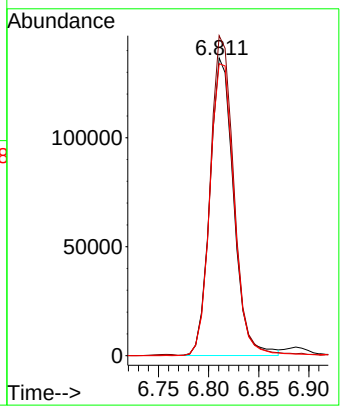




#9
Benzaldehyde
Concen: 33.341 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 22515

Ion	Ratio	Lower	Upper
77	100		
105	107.4	83.3	123.3
106	98.0	78.0	118.0



Instrument :
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ClientSampleId :
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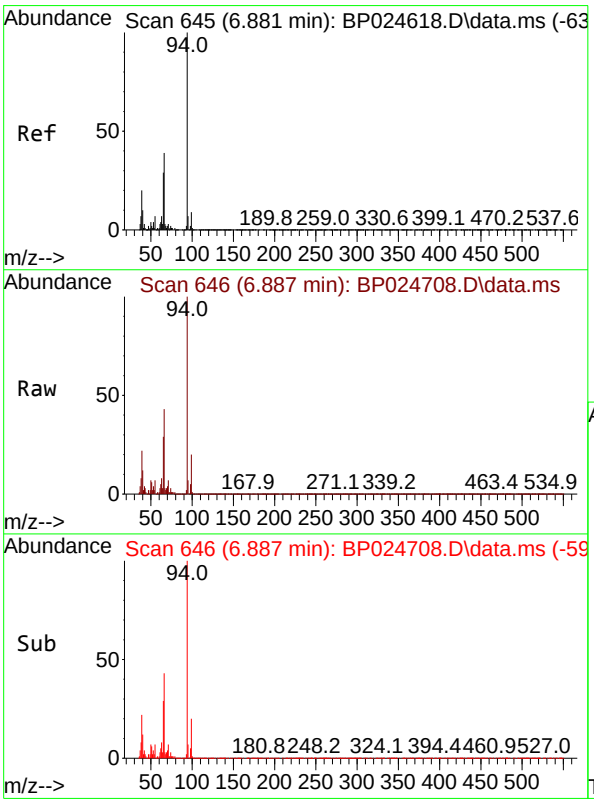
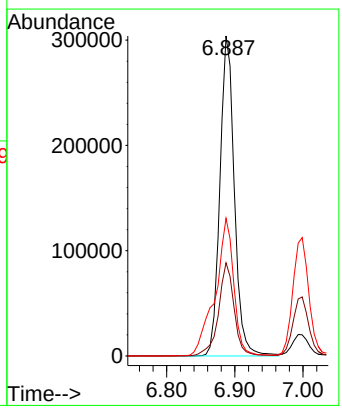
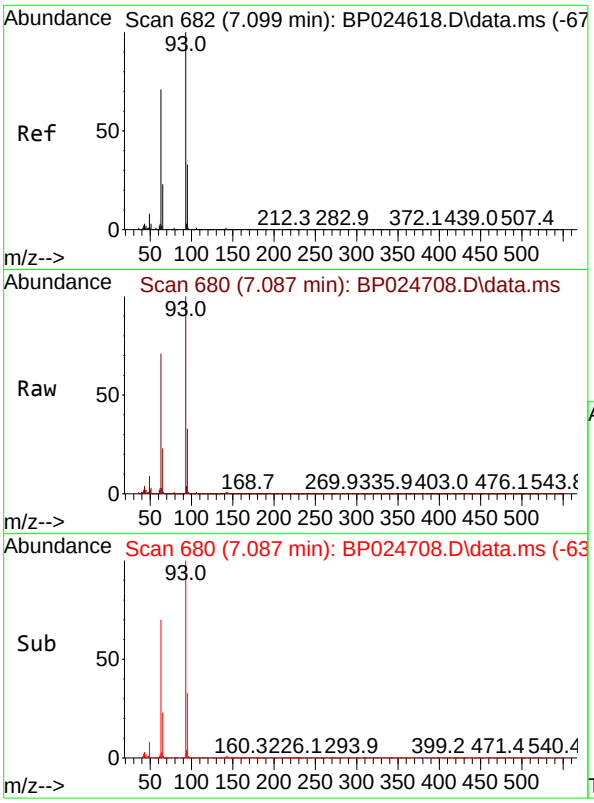


#10
Phenol
Concen: 41.715 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 94 Resp: 449144

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.7	48.7
66	43.0	19.4	59.4

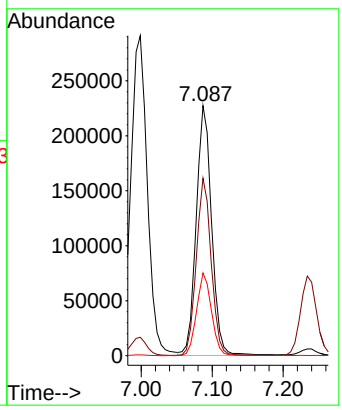




#11
bis(2-Chloroethyl)ether
Concen: 38.871 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 34389

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.6	90.6
95	33.1	12.9	52.9



Instrument :
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ClientSampleId :
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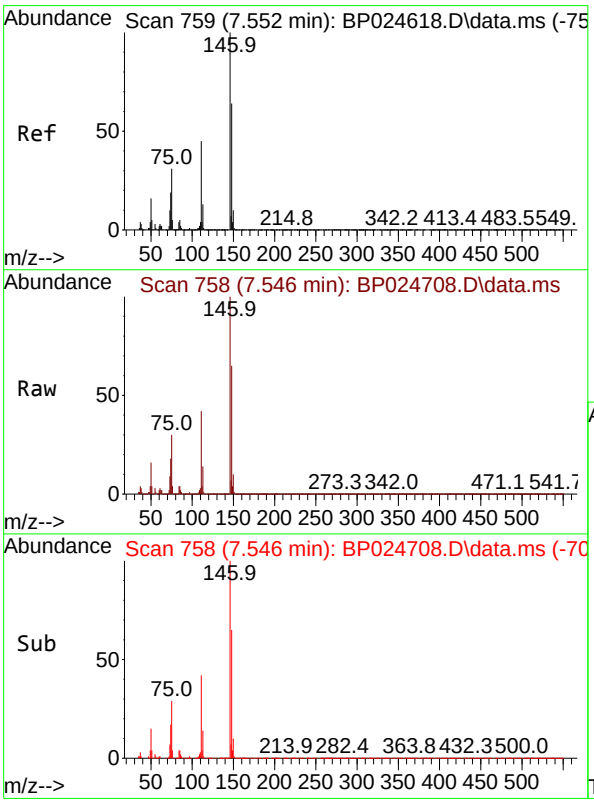
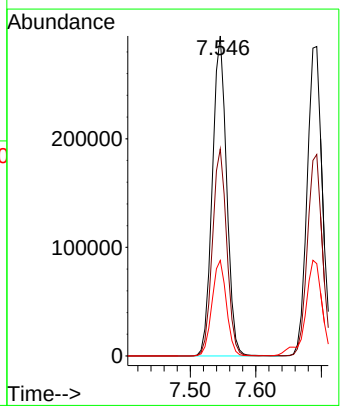
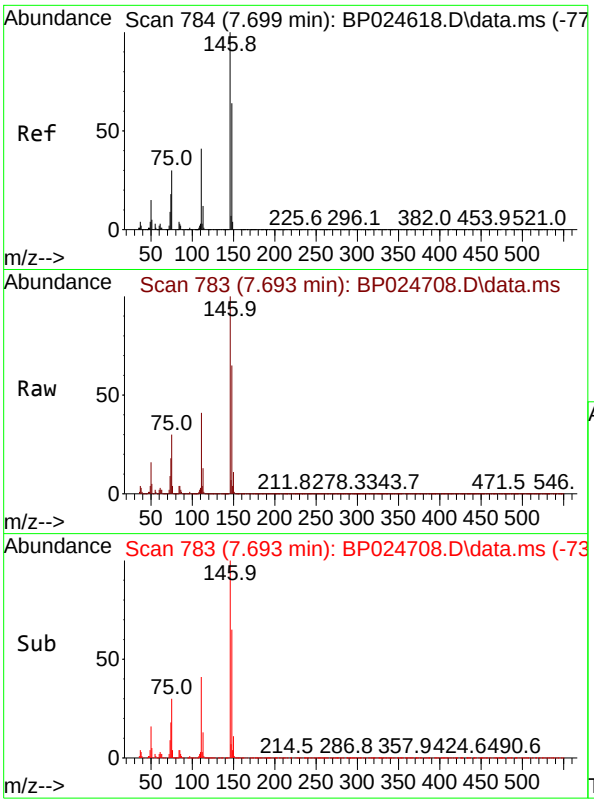


#12
1,3-Dichlorobenzene
Concen: 41.731 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 445502

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
75	29.8	25.2	37.8

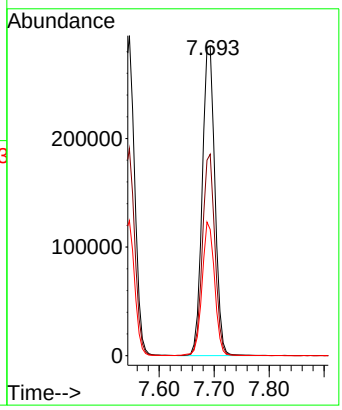




#13
1,4-Dichlorobenzene
Concen: 42.498 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 45630

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	40.8	33.0	49.6



Instrument :
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ClientSampleId :
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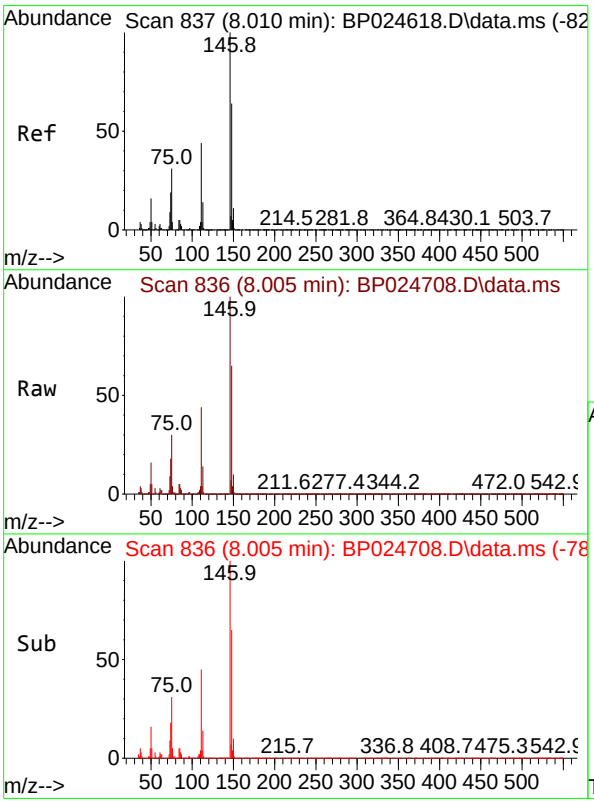
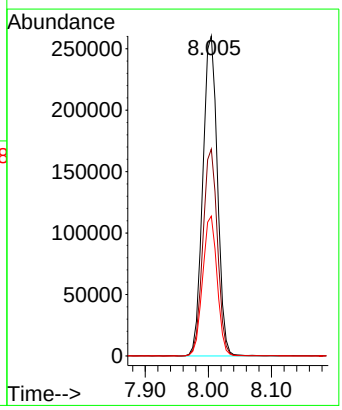
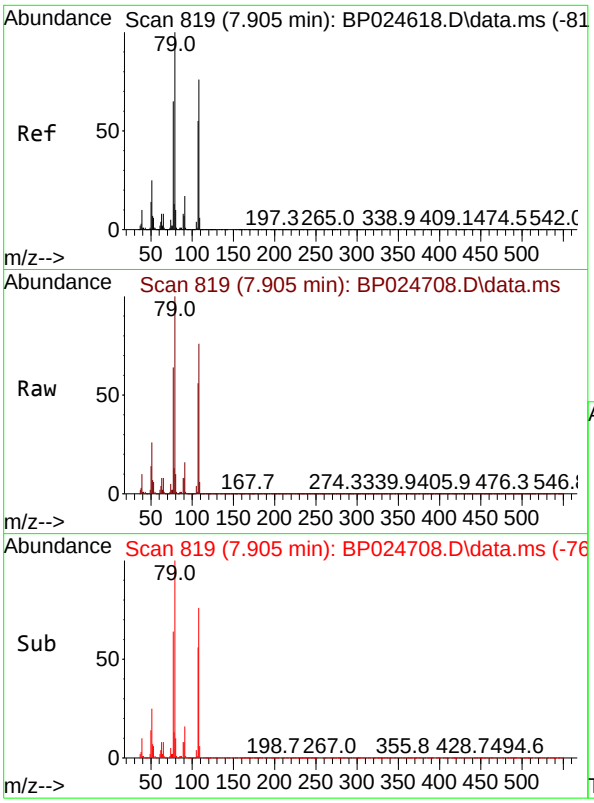


#14
1,2-Dichlorobenzene
Concen: 40.106 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 419608

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
111	43.7	35.2	52.8





#15
Benzyl Alcohol
Concen: 41.367 ng
RT: 7.905 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 79 Resp: 32793

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	63.8	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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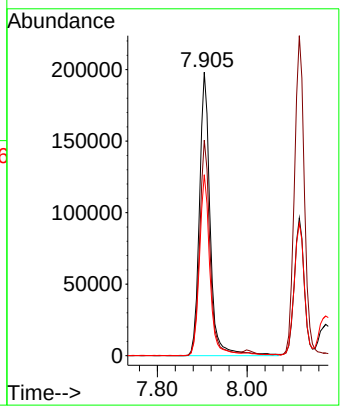
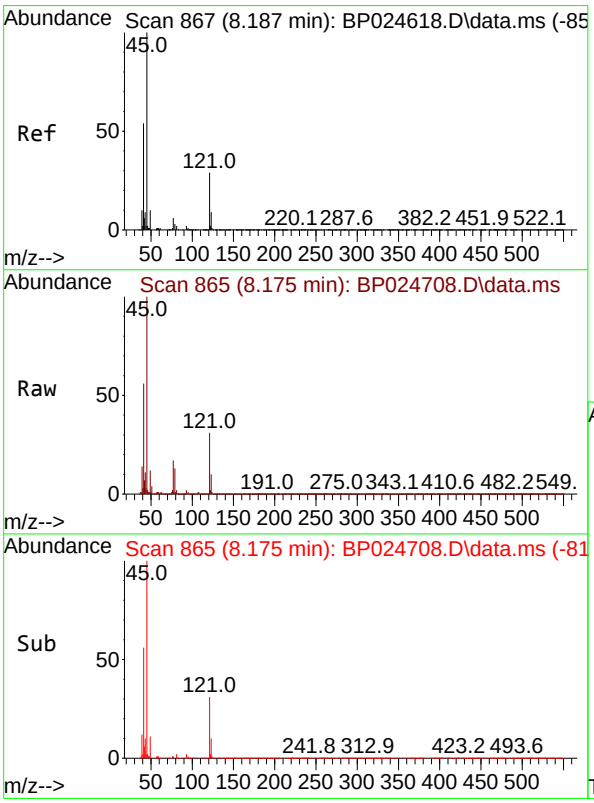
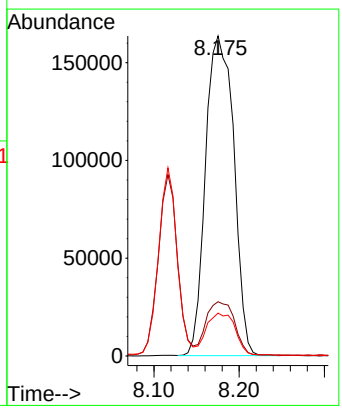


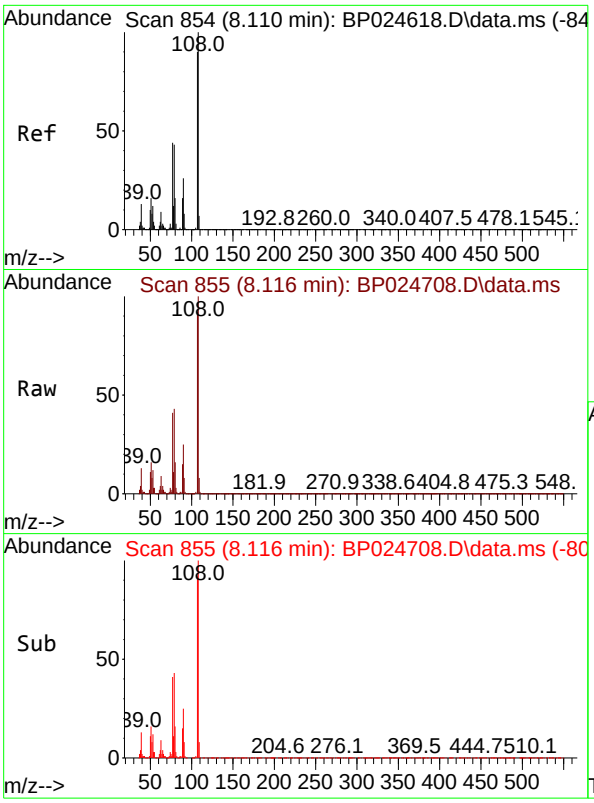


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.482 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 45 Resp: 375945

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.7
79	13.4	0.0	34.0

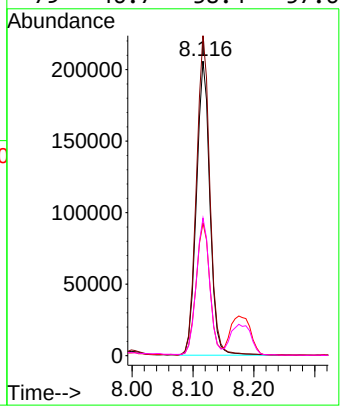




#17
2-Methylphenol
Concen: 40.750 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 31469

Ion	Ratio	Lower	Upper
107	100		
108	108.6	88.9	133.3
77	45.0	39.0	58.6
79	46.7	38.4	57.6



Instrument :
BNA_P
ClientSampleId :
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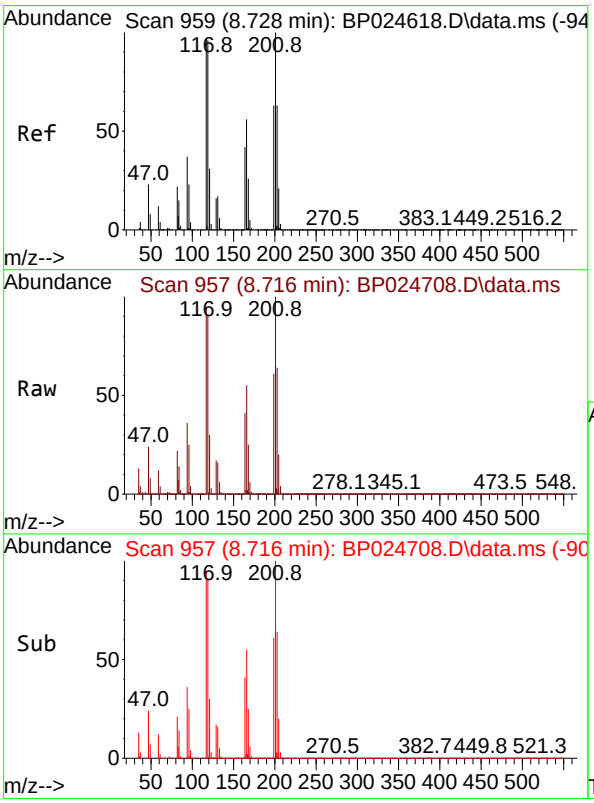
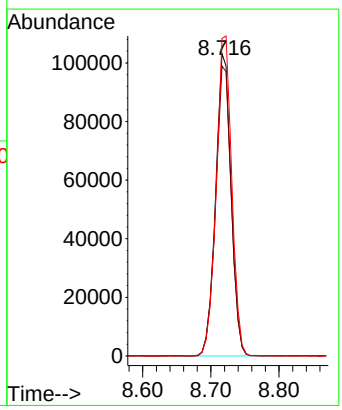
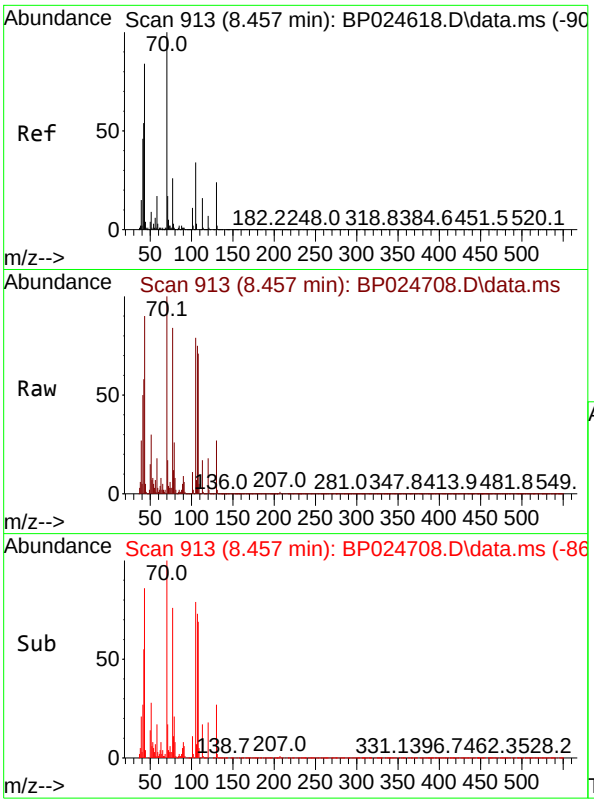


#18
Hexachloroethane
Concen: 39.533 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:117 Resp: 162657

Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.4	119.0
201	105.1	82.7	124.1

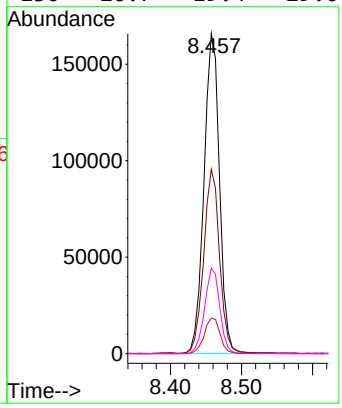




#19
n-Nitroso-di-n-propylamine
Concen: 34.851 ng
RT: 8.457 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 70 Resp: 25149

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.0	64.6
101	11.1	8.7	13.1
130	26.7	19.4	29.0



Instrument :
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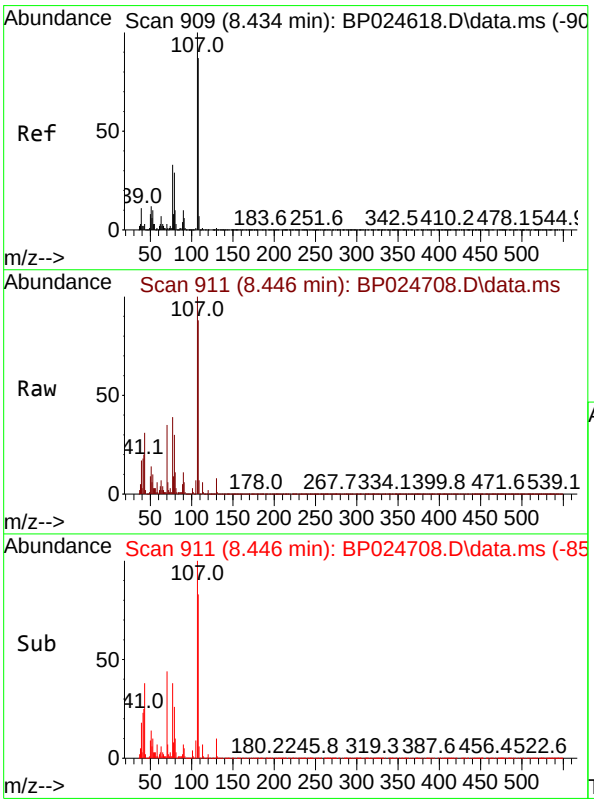
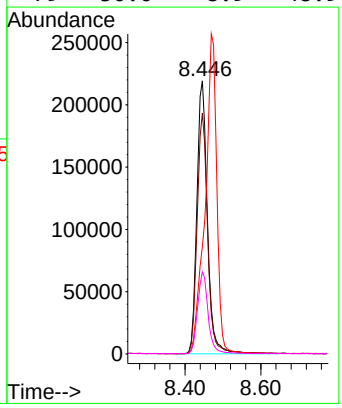
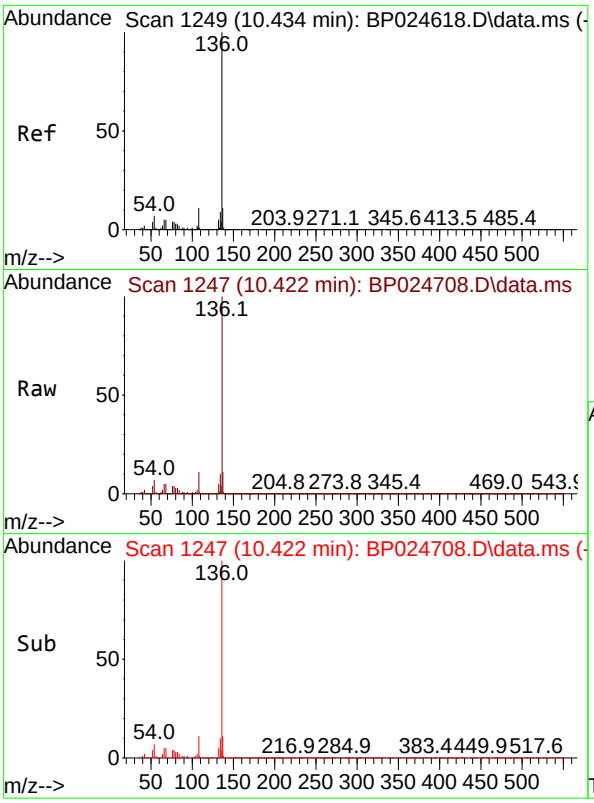


#20
3+4-Methylphenols
Concen: 40.492 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 425353

Ion	Ratio	Lower	Upper
107	100		
108	88.2	66.7	106.7
77	39.3	13.1	53.1
79	30.0	8.9	48.9

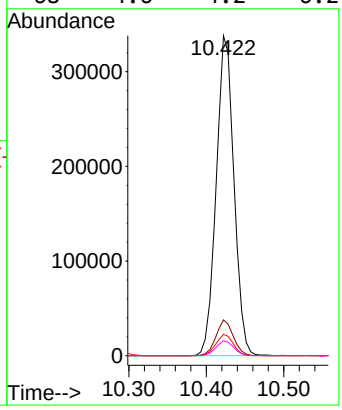




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:136 Resp: 53812

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.6	5.5	8.3
68	4.6	4.2	6.2



Instrument :
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ClientSampleId :
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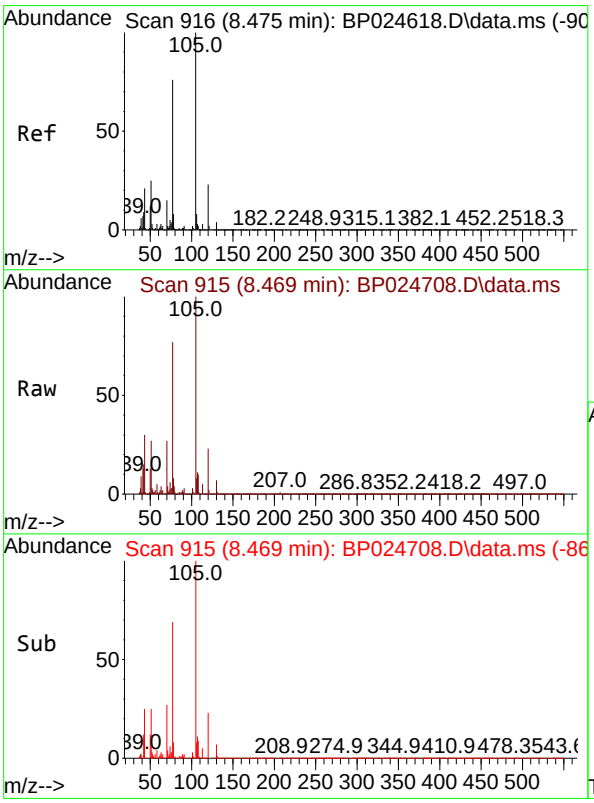
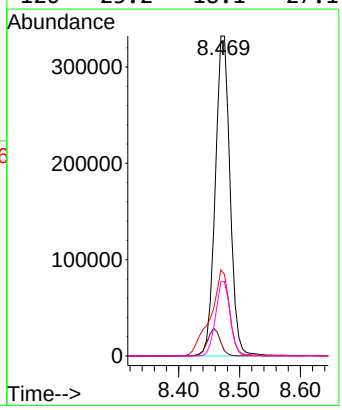
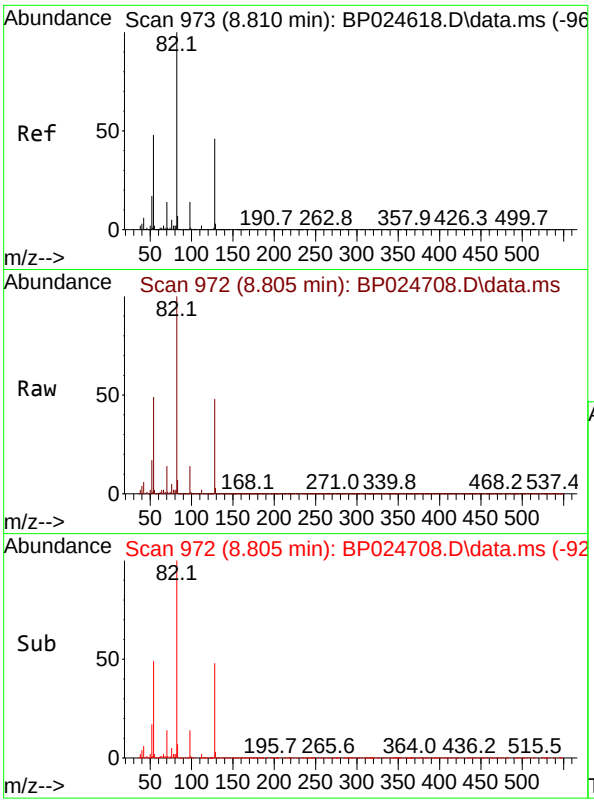


#22
Acetophenone
Concen: 41.596 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:105 Resp: 559135

Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.0	3.0#
51	26.9	20.4	30.6
120	23.2	18.1	27.1

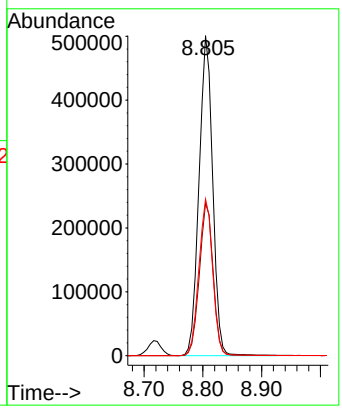




#23
Nitrobenzene-d5
Concen: 75.818 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 82 Resp: 80748

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.4
54	49.0	38.7	58.1



Instrument :
BNA_P
ClientSampleId :
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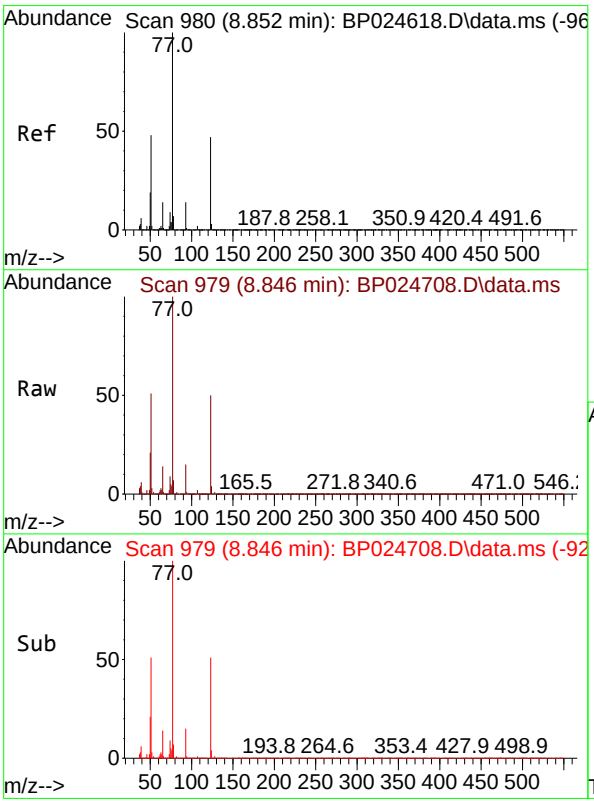
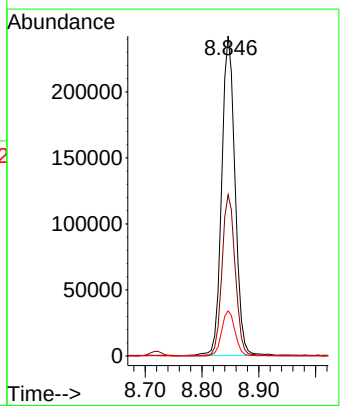
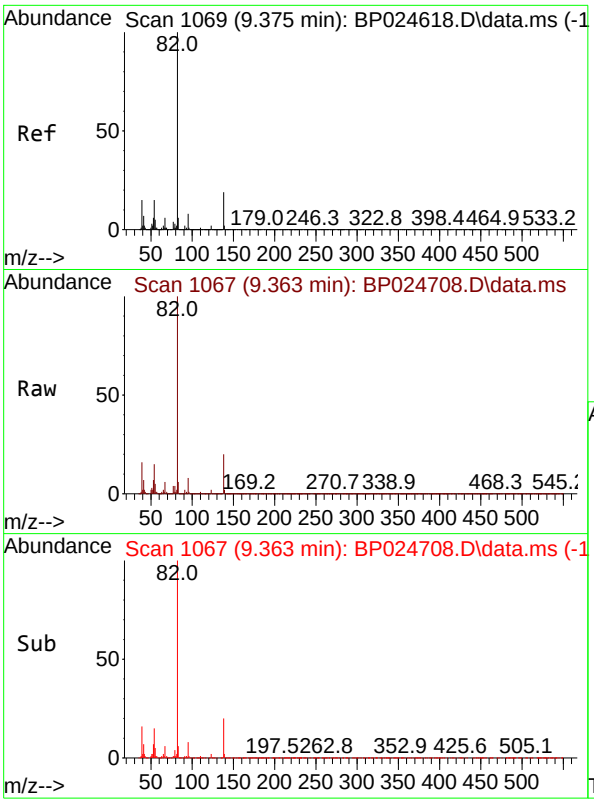


#24
Nitrobenzene
Concen: 42.239 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 395885

Ion	Ratio	Lower	Upper
77	100		
123	50.4	37.4	56.0
65	14.1	11.3	16.9

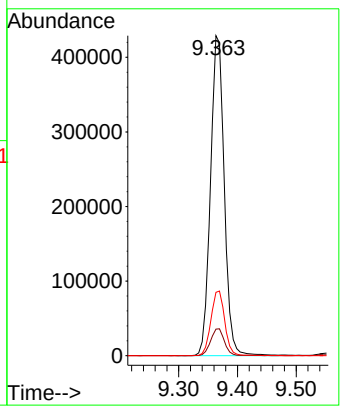




#25
Isophorone
Concen: 37.737 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 82 Resp: 69716

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.3	9.5
138	19.8	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
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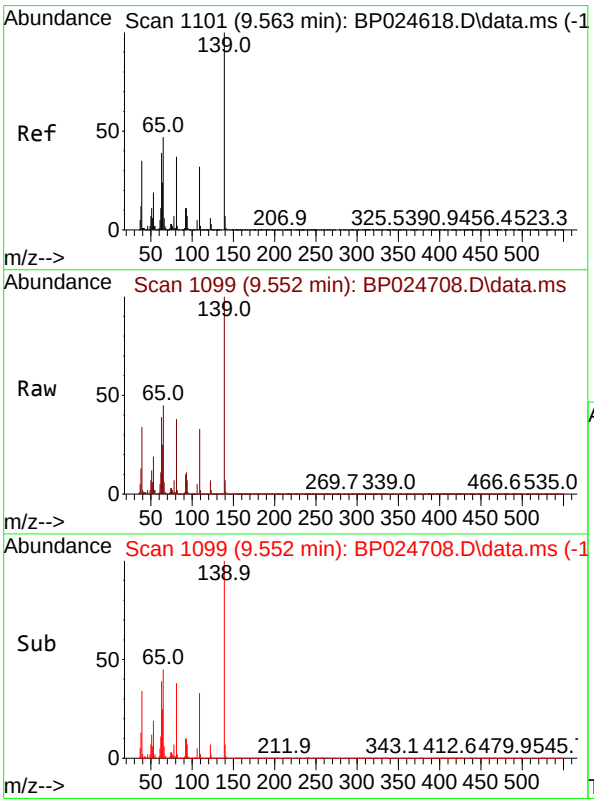
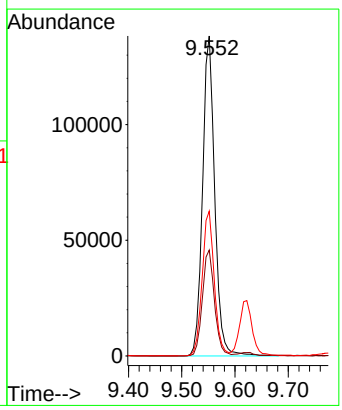
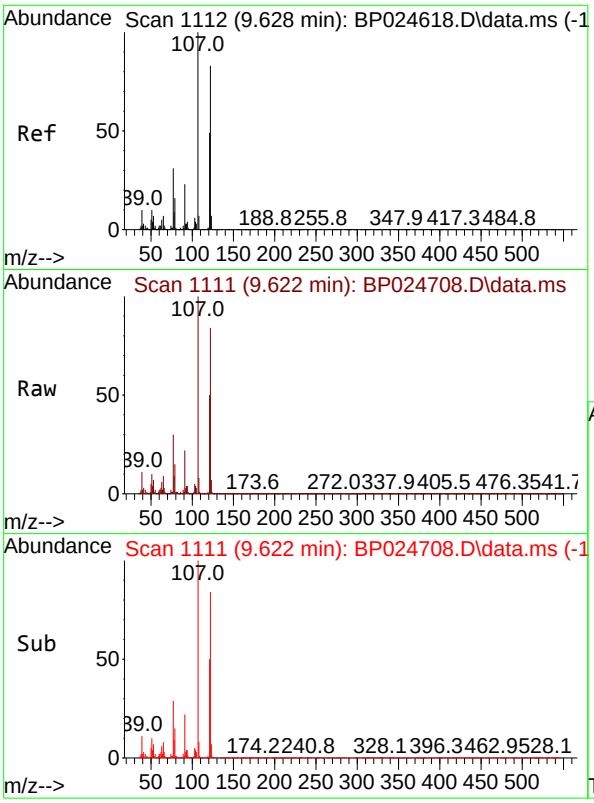


#26
2-Nitrophenol
Concen: 47.744 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 219271

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.9	38.9
65	45.2	37.9	56.9

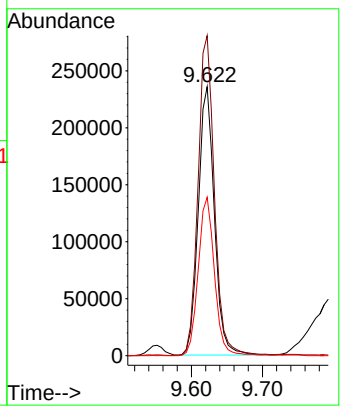




#27
2,4-Dimethylphenol
Concen: 45.988 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 37238

Ion	Ratio	Lower	Upper
122	100		
107	118.9	96.2	144.2
121	58.9	47.6	71.4



Instrument :
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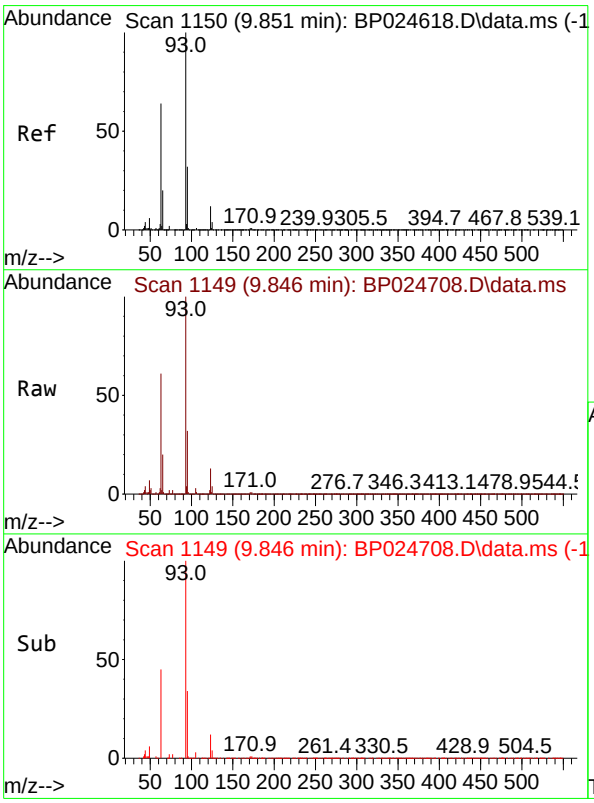
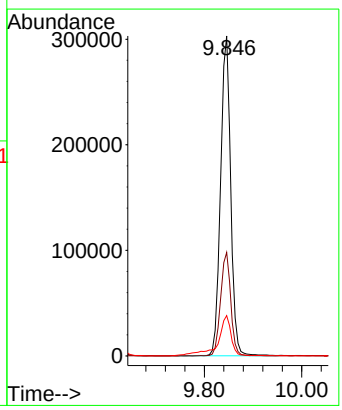
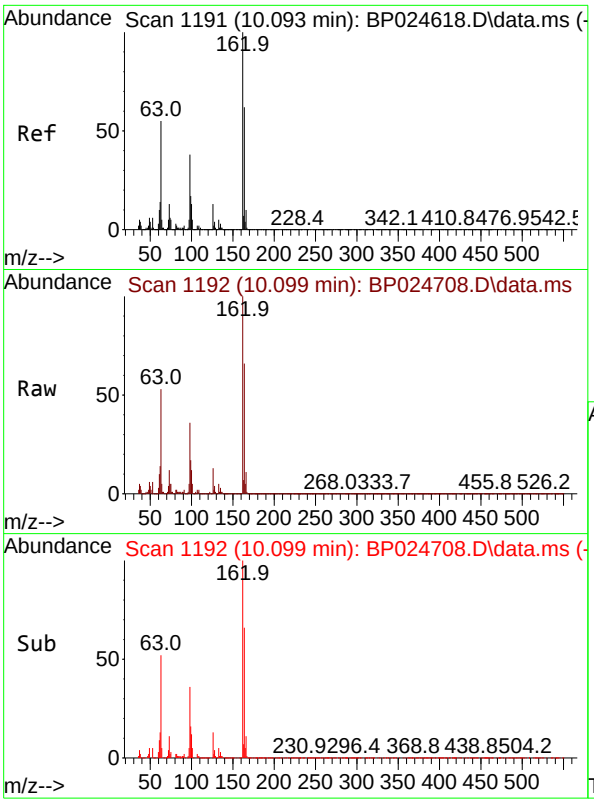


#28
bis(2-Chloroethoxy)methane
Concen: 39.691 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 438080

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.6	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 47.224 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:162 Resp: 37055

Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.3	82.3
98	35.8	18.4	58.4

Instrument :
BNA_P
ClientSampleId :
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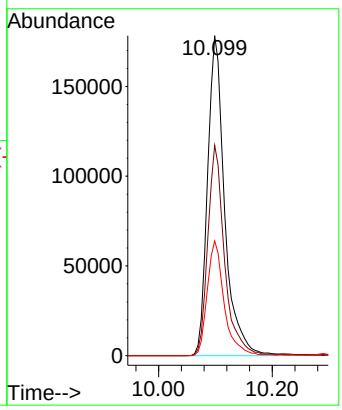
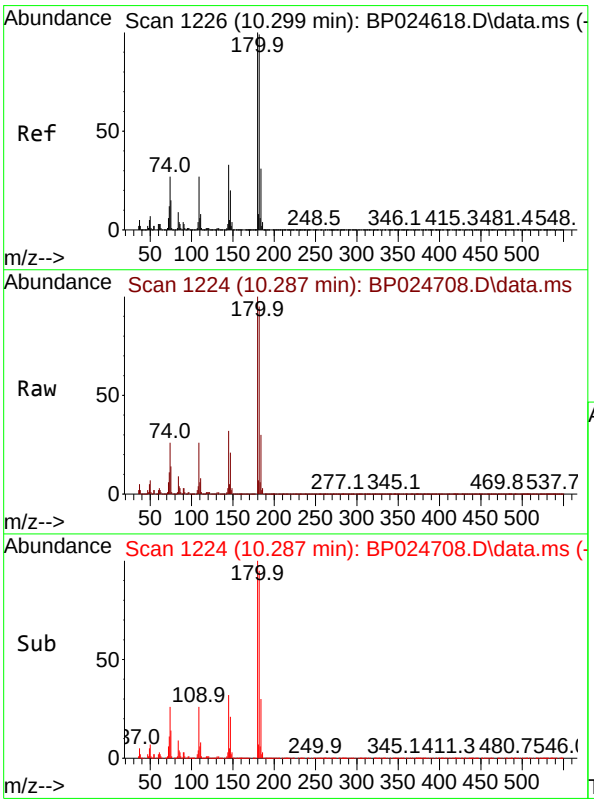
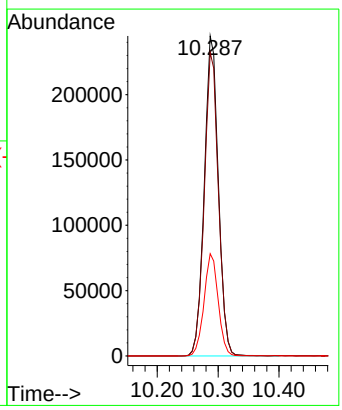


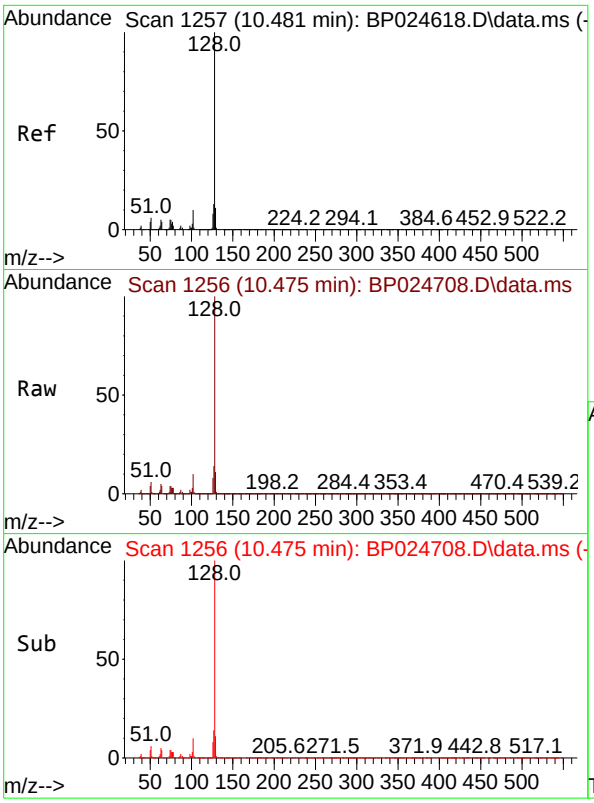


#30
1,2,4-Trichlorobenzene
Concen: 44.400 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:180 Resp: 392603

Ion	Ratio	Lower	Upper
180	100		
182	94.8	79.0	118.4
145	31.9	26.6	39.8

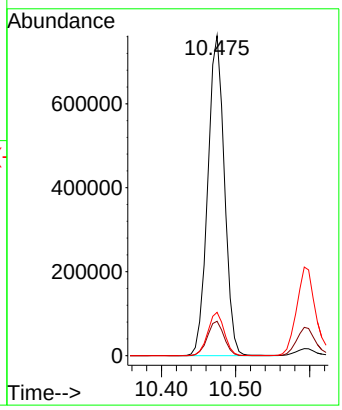




#31
Naphthalene
Concen: 42.522 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 118576

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.7	16.1



Instrument :
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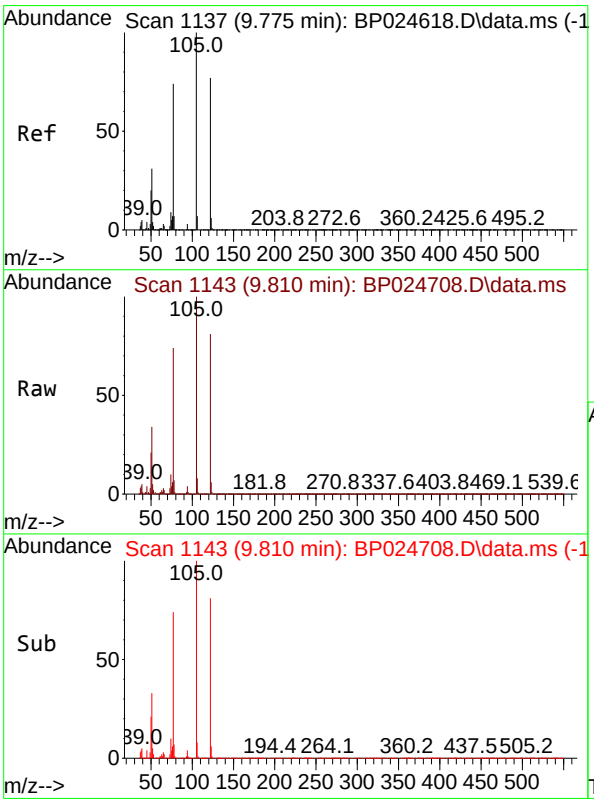
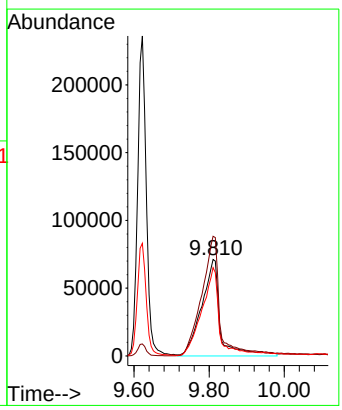
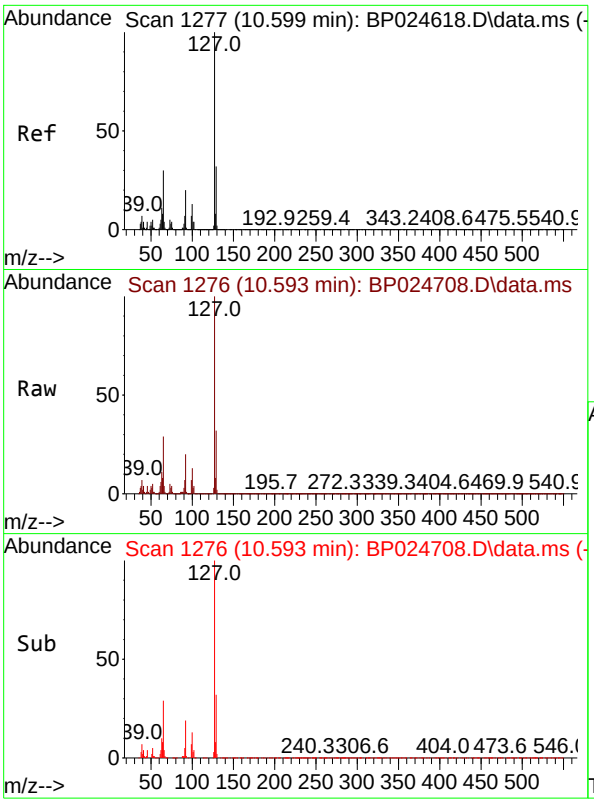


#32
Benzoic acid
Concen: 44.302 ng m
RT: 9.810 min Scan# 1143
Delta R.T. 0.035 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 245894

Ion	Ratio	Lower	Upper
122	100		
105	124.0	106.9	146.9
77	91.6	75.1	115.1

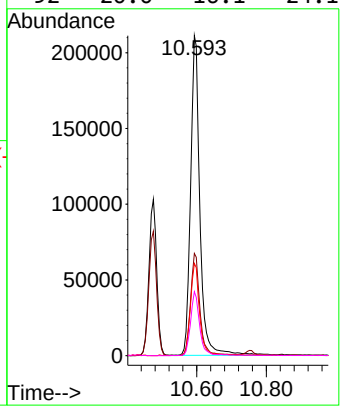




#33
4-Chloroaniline
Concen: 34.925 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:127 Resp: 39300

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	28.8	23.9	35.9
92	20.0	16.1	24.1



Instrument :
BNA_P
ClientSampleId :
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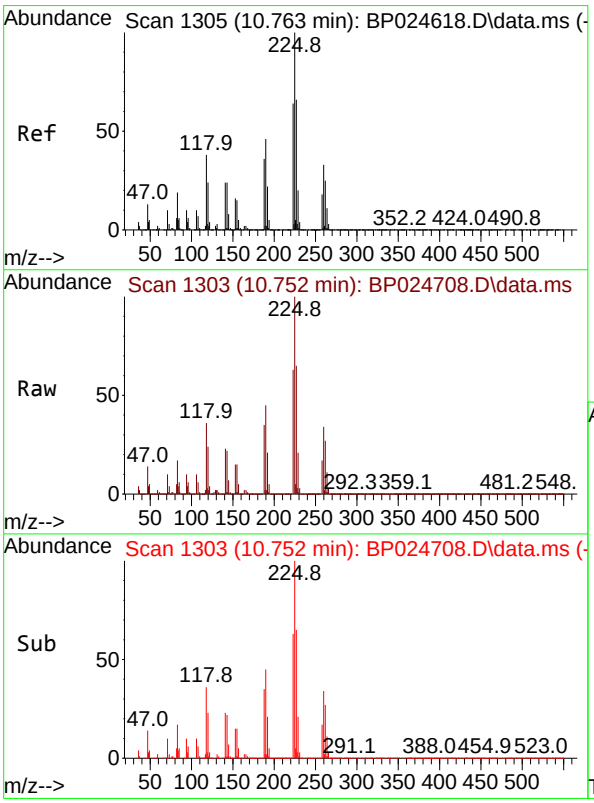
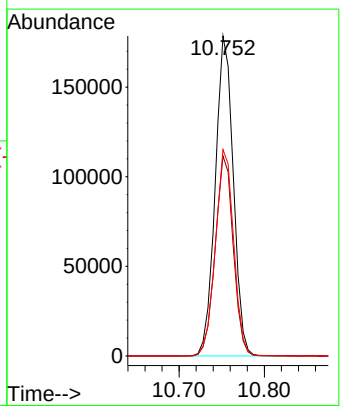
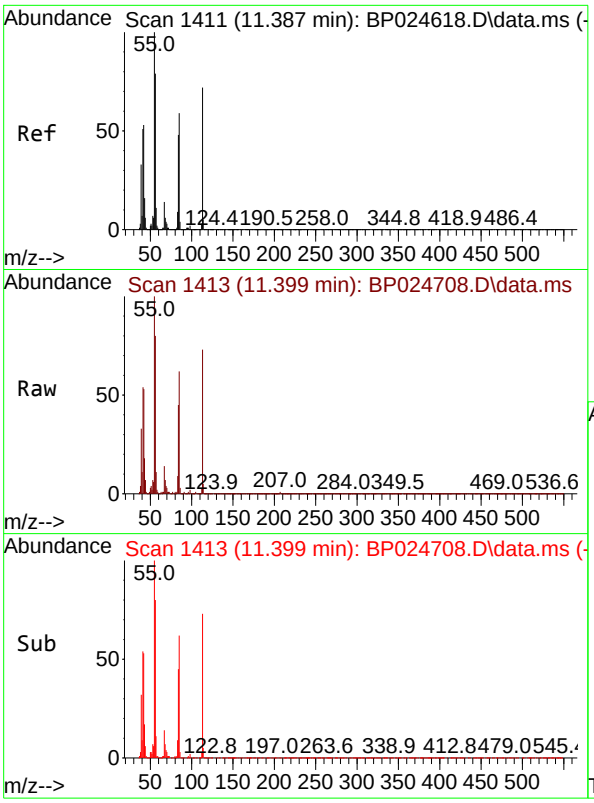


#34
Hexachlorobutadiene
Concen: 45.836 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:225 Resp: 262558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.5	53.1	79.7





#35
Caprolactam
Concen: 43.305 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:113 Resp: 12294

Ion	Ratio	Lower	Upper
113	100		
55	137.2	119.0	159.0
56	109.9	90.3	130.3

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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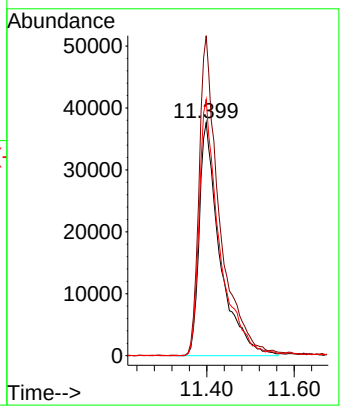
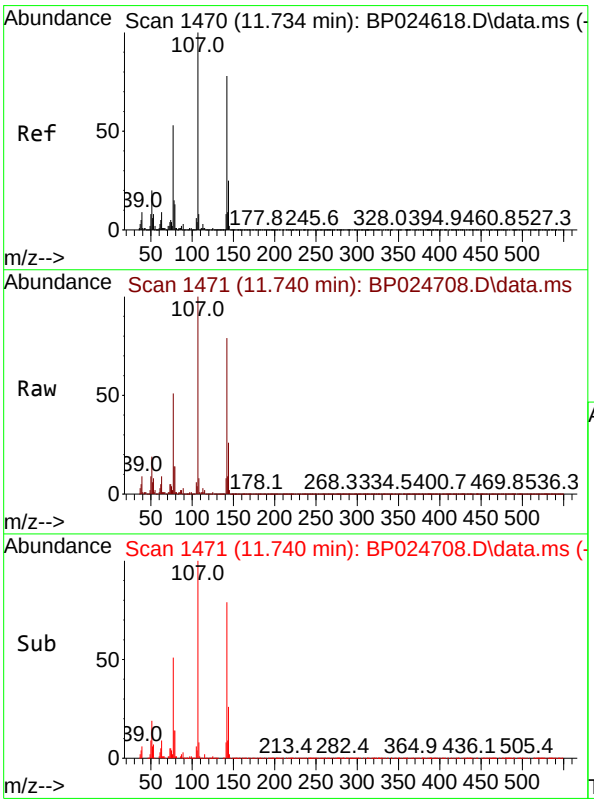
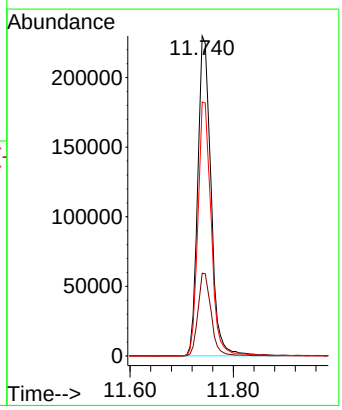


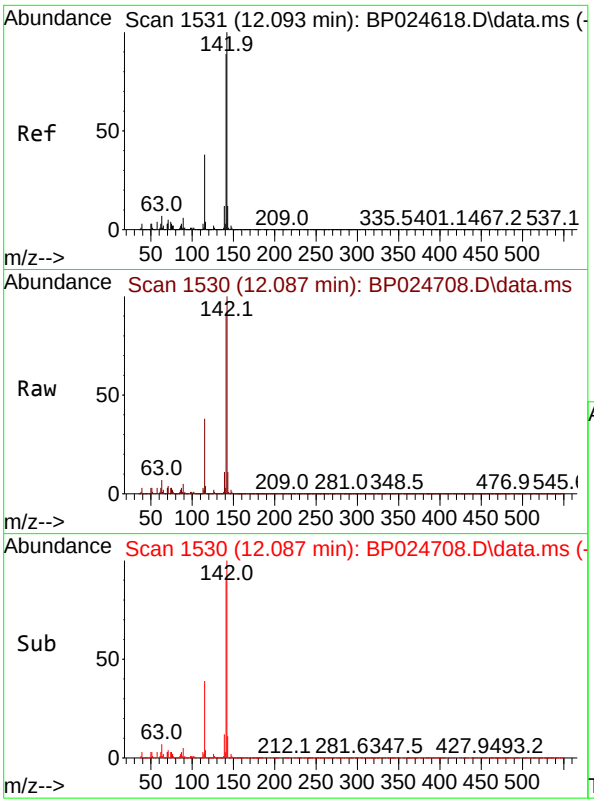


#36
4-Chloro-3-methylphenol
Concen: 42.794 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 409493

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.1	30.1
142	79.3	62.1	93.1

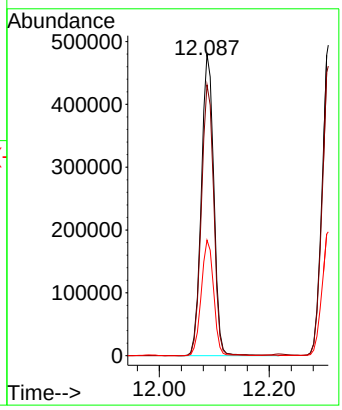




#37
2-Methylnaphthalene
Concen: 41.862 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 75588

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	38.3	30.6	46.0



Instrument :
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ClientSampleId :
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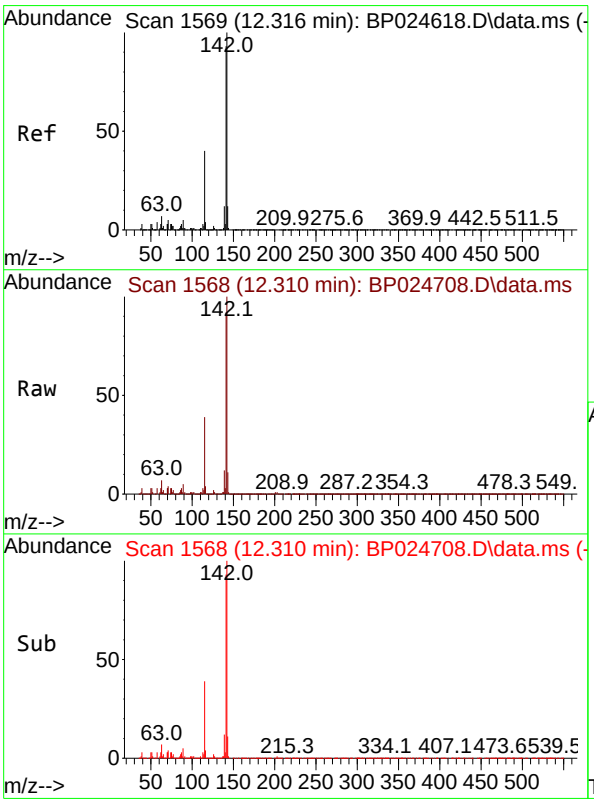
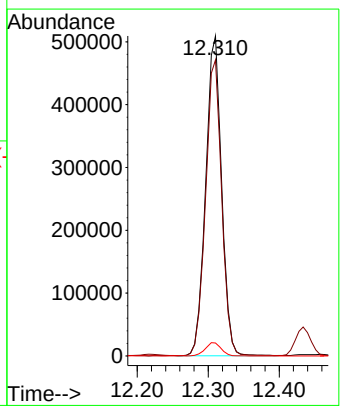
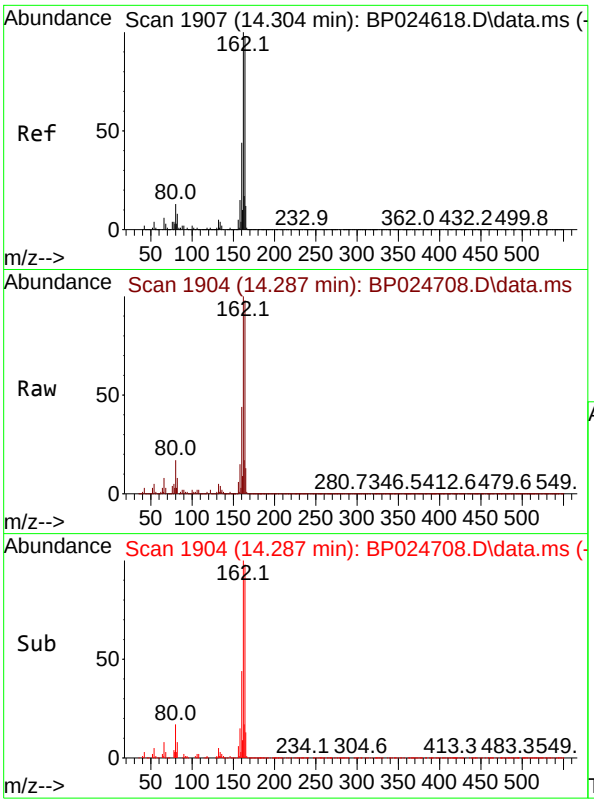


#38
1-Methylnaphthalene
Concen: 41.005 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 792211

Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.7	112.1
116	4.1	3.4	5.2

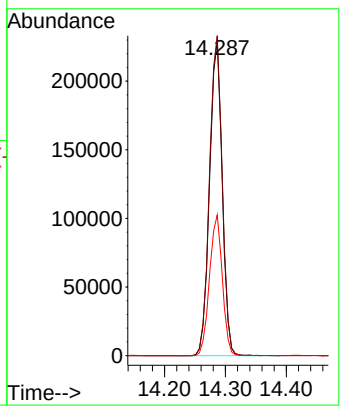




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:164 Resp: 32971

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.6
160	44.7	36.3	54.5



Instrument :
BNA_P
ClientSampleId :
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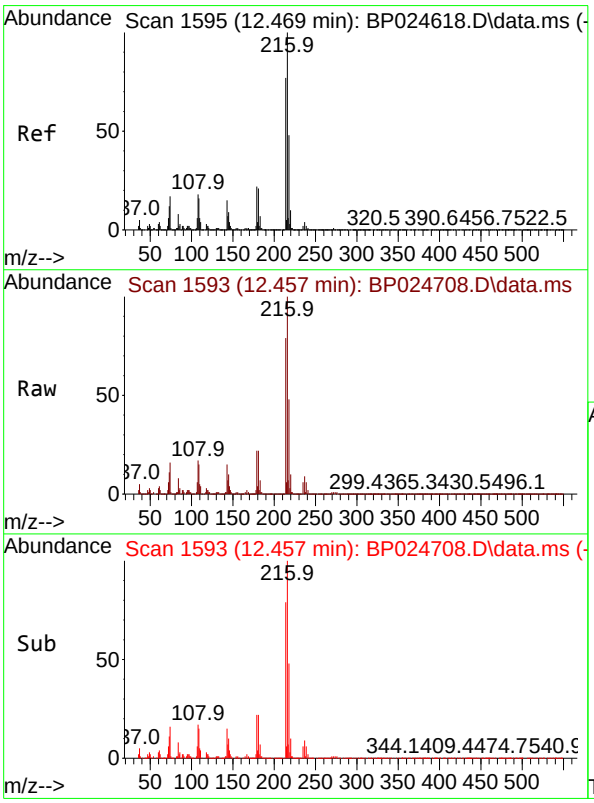
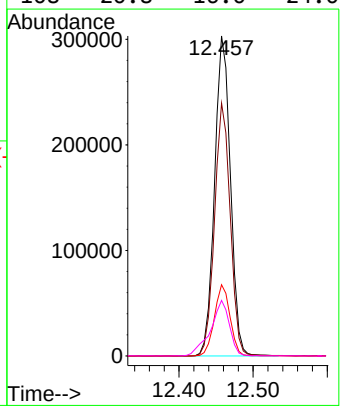
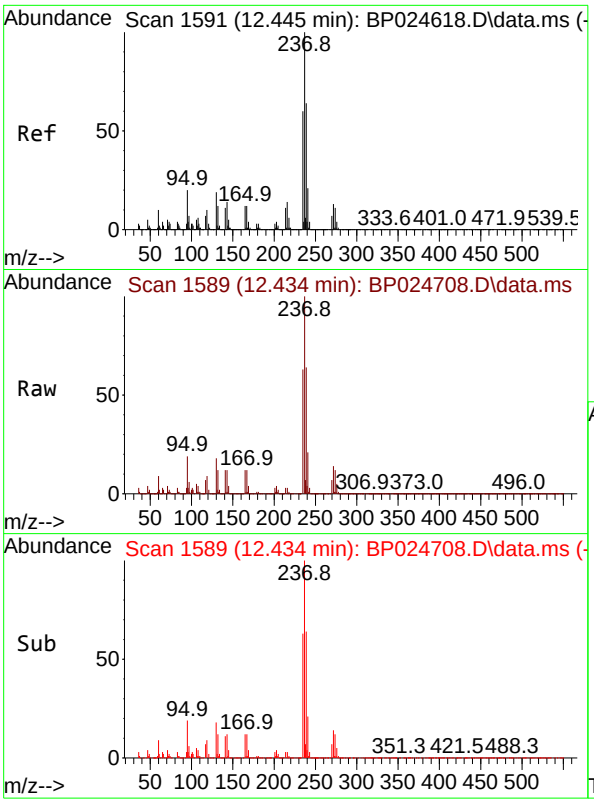


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.016 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:216 Resp: 450159

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	22.0	17.7	26.5
108	20.8	16.0	24.0

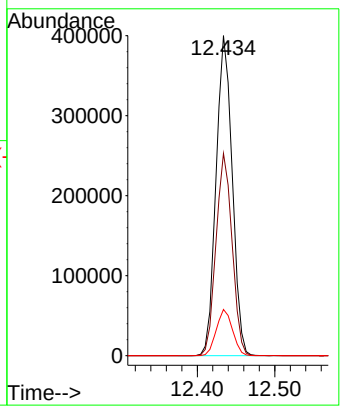




#41
Hexachlorocyclopentadiene
Concen: 99.710 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:237 Resp: 57888

Ion	Ratio	Lower	Upper
237	100		
235	63.2	39.9	79.9
272	14.4	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
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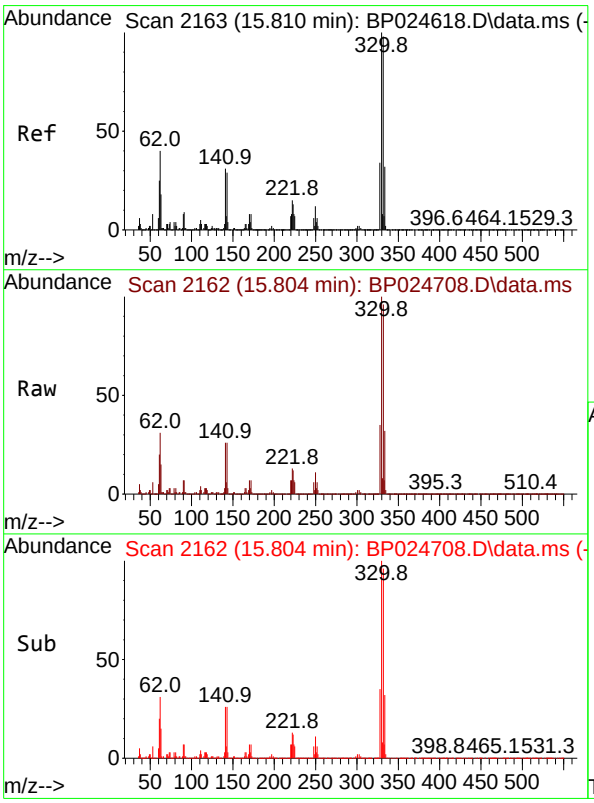
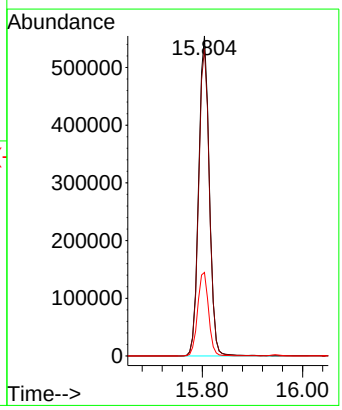
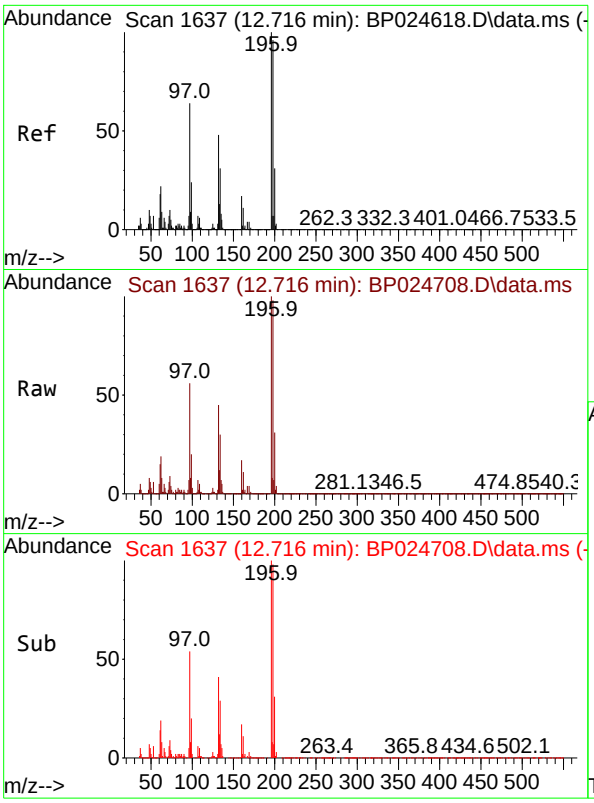


#42
2,4,6-Tribromophenol
Concen: 146.094 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:330 Resp: 816620

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.4
141	26.8	24.3	36.5

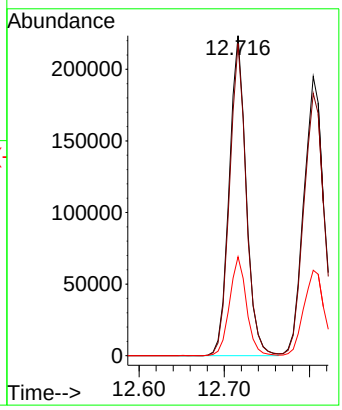




#43
2,4,6-Trichlorophenol
Concen: 49.774 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 30867

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.9	115.3
200	30.9	25.2	37.8



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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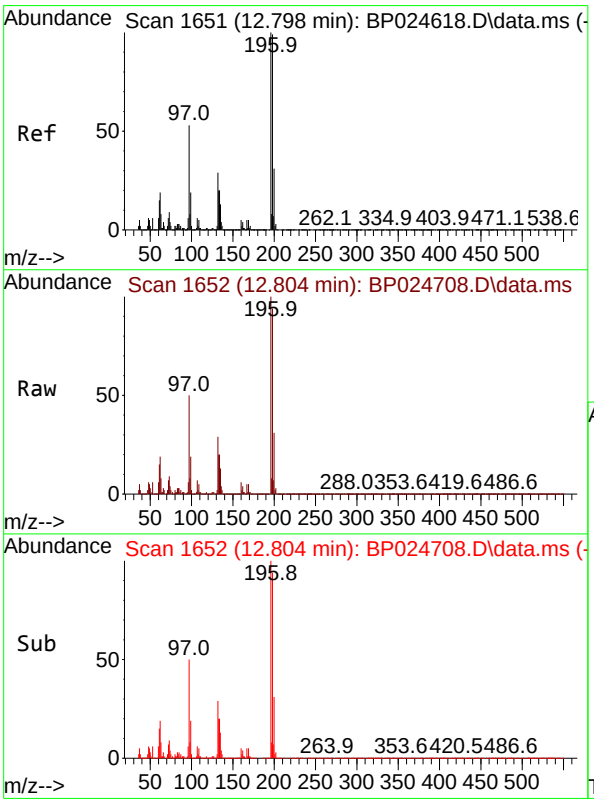
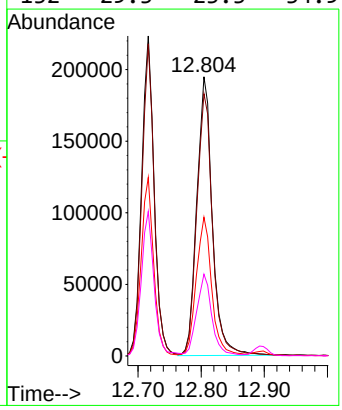
Supervised By :Jagrut Upadhyay 05/21/2025

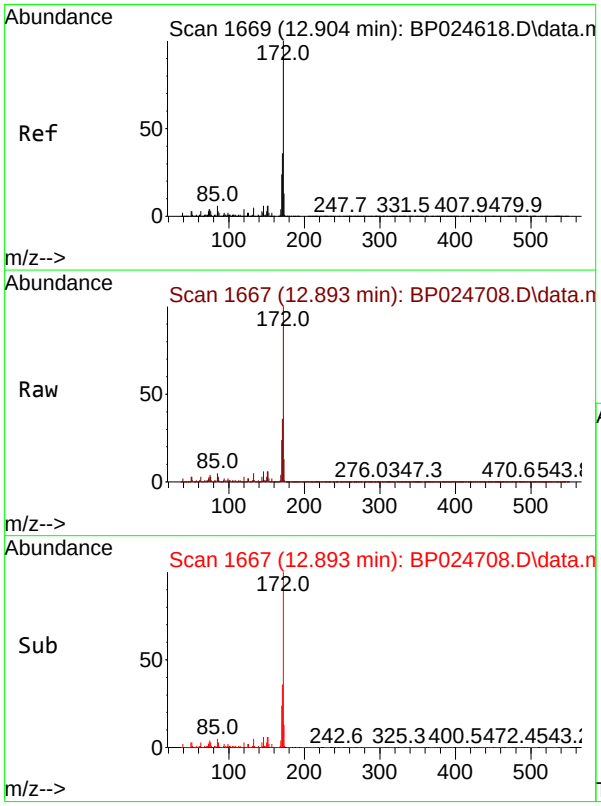


#44
2,4,5-Trichlorophenol
Concen: 48.366 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 333877

Ion	Ratio	Lower	Upper
196	100		
198	93.9	79.2	118.8
97	49.7	42.3	63.5
132	29.3	23.3	34.9





#45
2-Fluorobiphenyl
Concen: 78.074 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:172 Resp: 196488

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.5	18.8	28.2

Instrument :
BNA_P
ClientSampleId :
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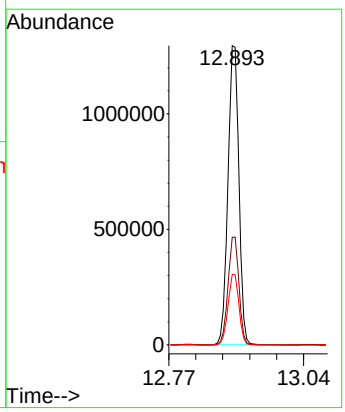
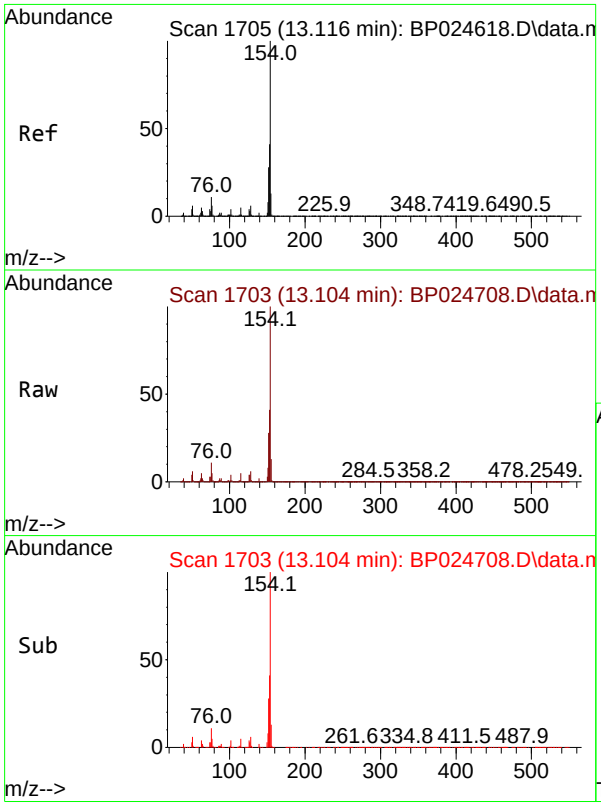
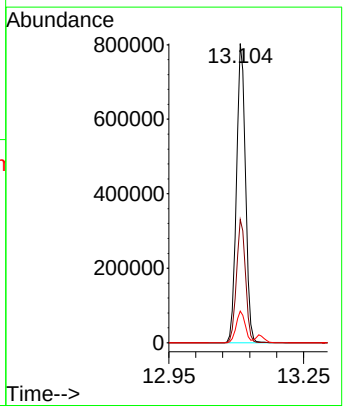


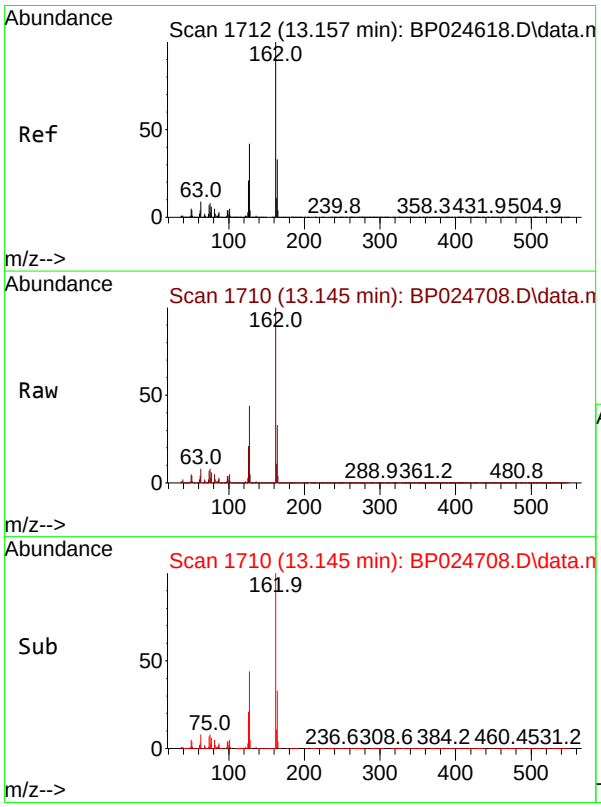


#46
1,1'-Biphenyl
Concen: 45.948 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 1119732

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	10.6	0.0	31.5

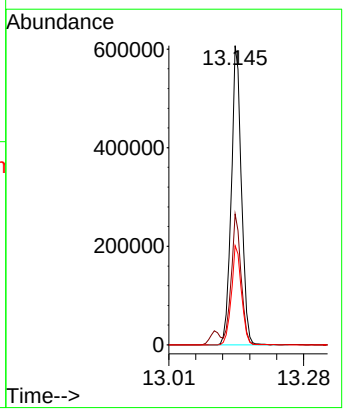




#47
2-Chloronaphthalene
Concen: 46.157 ng
RT: 13.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:162 Resp: 85765

Ion	Ratio	Lower	Upper
162	100		
127	43.8	33.8	50.6
164	33.2	26.0	39.0



Instrument :
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ClientSampleId :
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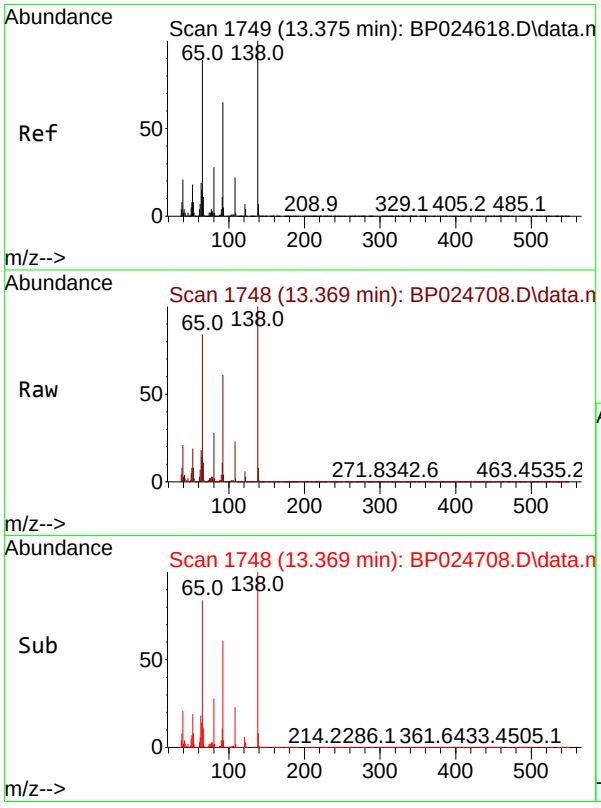
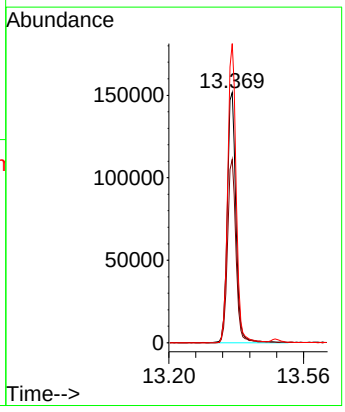
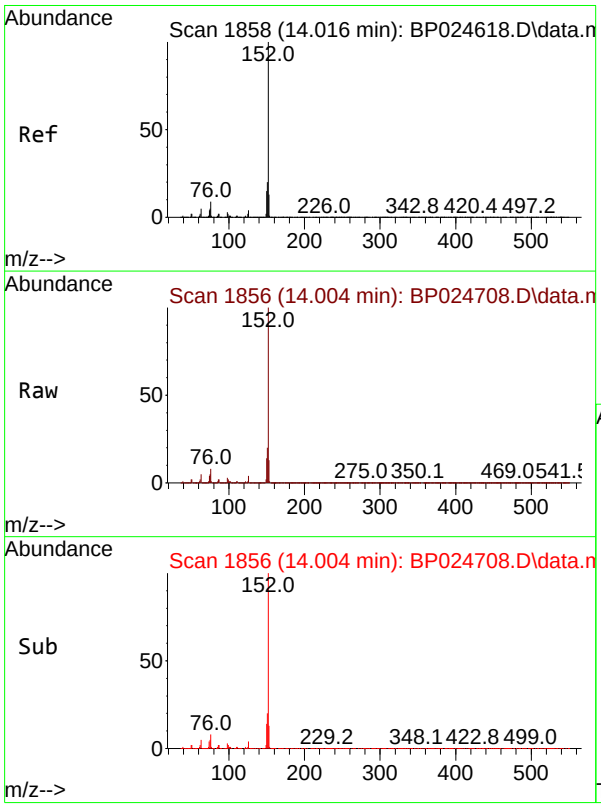


#48
2-Nitroaniline
Concen: 45.061 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 65 Resp: 247888

Ion	Ratio	Lower	Upper
65	100		
92	73.3	58.7	88.1
138	119.6	90.2	135.2

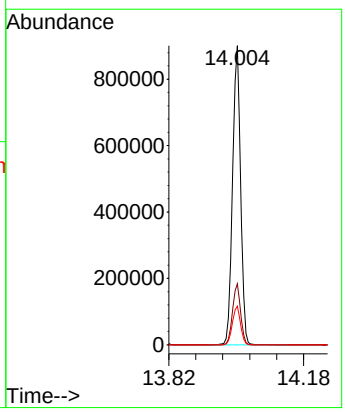




#49
Acenaphthylene
Concen: 43.666 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:152 Resp: 135782

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	13.0	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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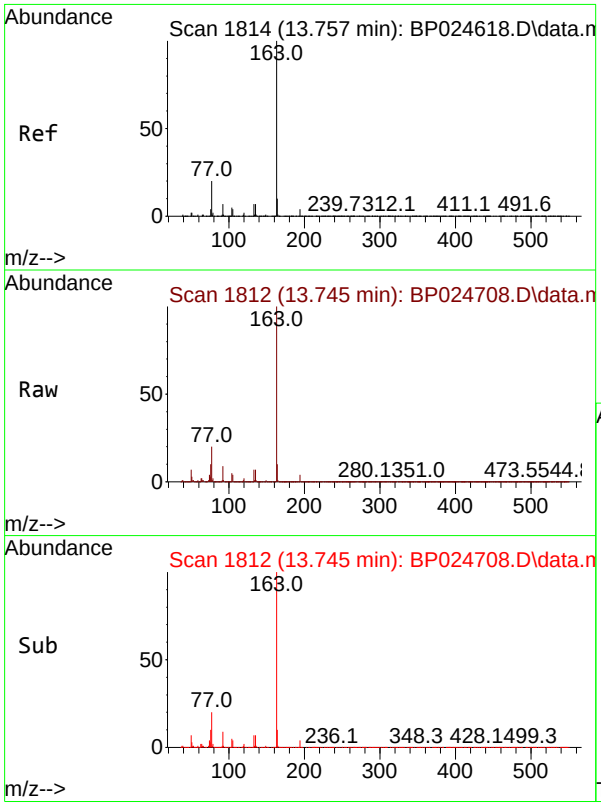
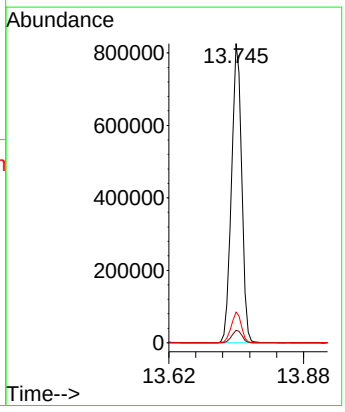
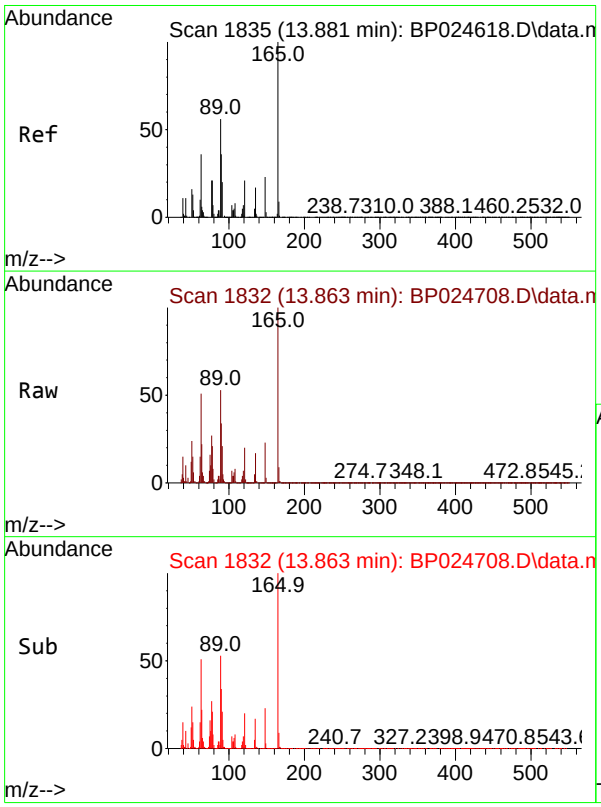


#50
Dimethylphthalate
Concen: 44.835 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:163 Resp: 1126770

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 45.757 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:165 Resp: 24285

Ion	Ratio	Lower	Upper
165	100		
63	50.6	42.4	63.6
89	53.2	44.8	67.2

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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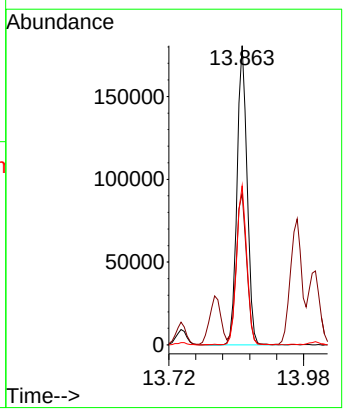
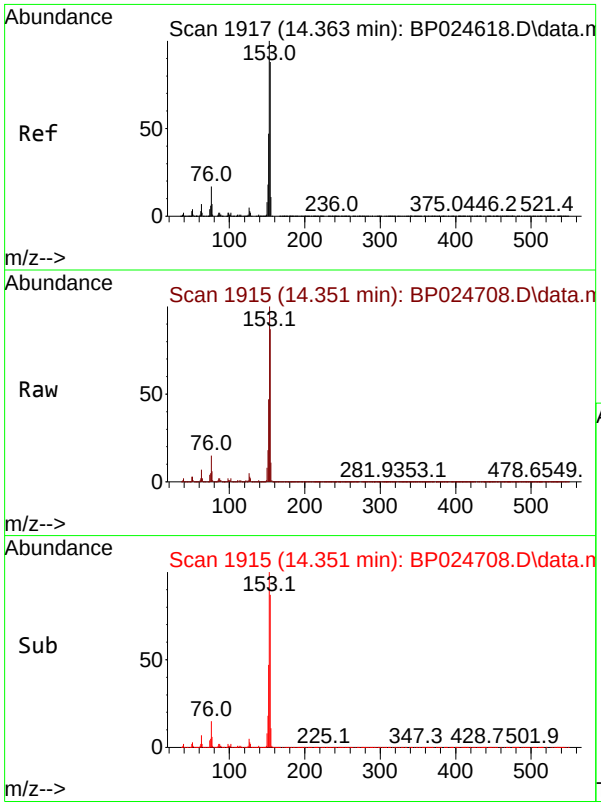
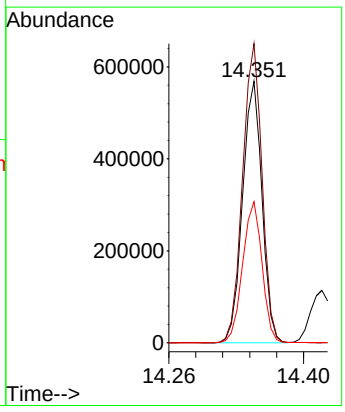


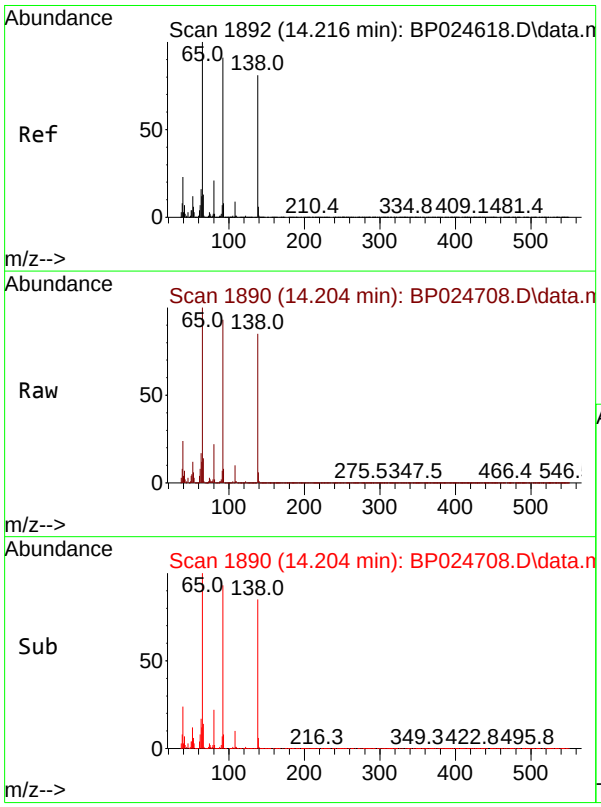


#52
Acenaphthene
Concen: 44.519 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 795831

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	54.0	42.9	64.3





#53
3-Nitroaniline
Concen: 37.085 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:138 Resp: 20098

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.0	13.4
92	110.2	90.1	135.1

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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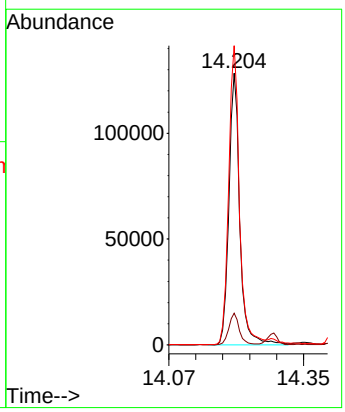
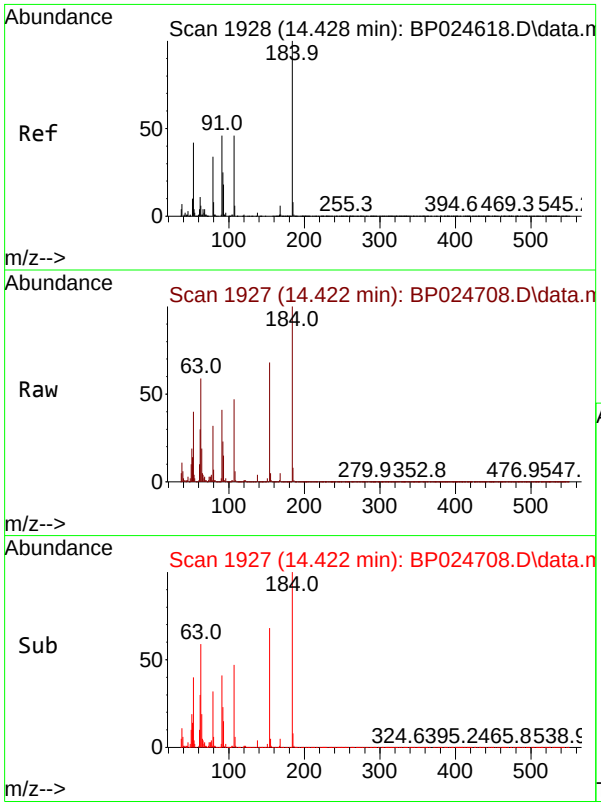
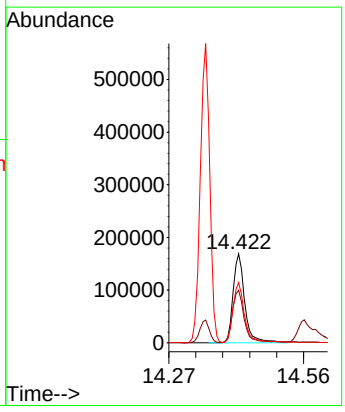


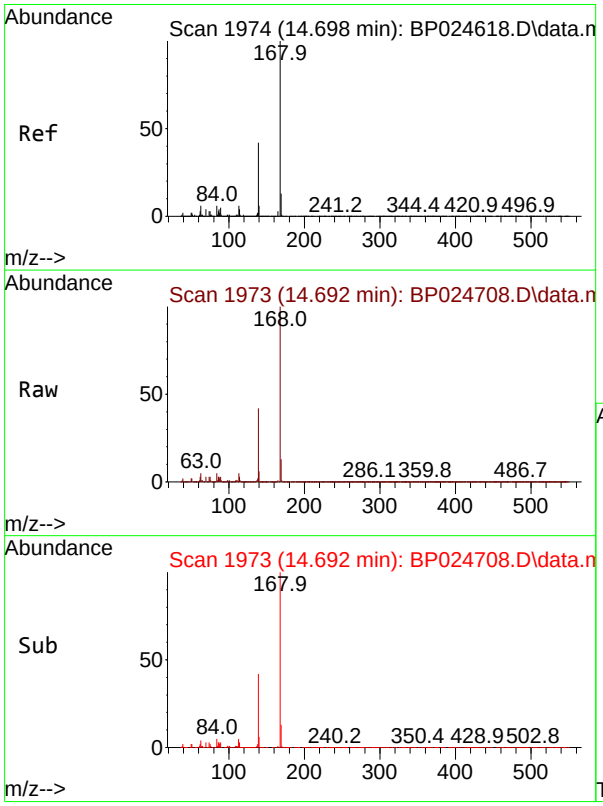


#54
2,4-Dinitrophenol
Concen: 86.708 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 292154

Ion	Ratio	Lower	Upper
184	100		
63	59.0	51.3	76.9
154	67.5	53.5	80.3

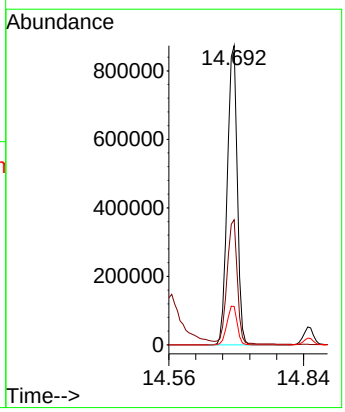




#55
Dibenzofuran
Concen: 43.677 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:168 Resp: 124538

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	12.8	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
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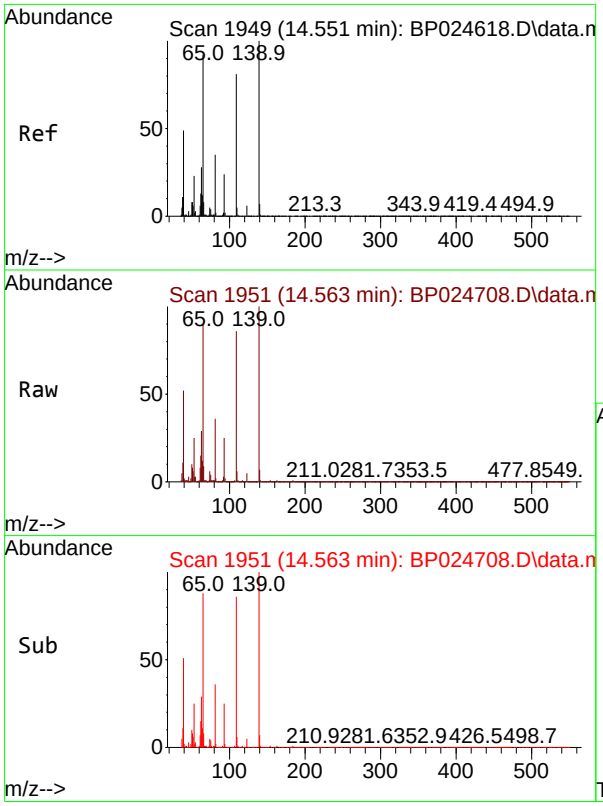
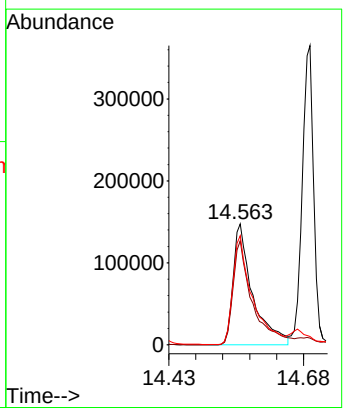
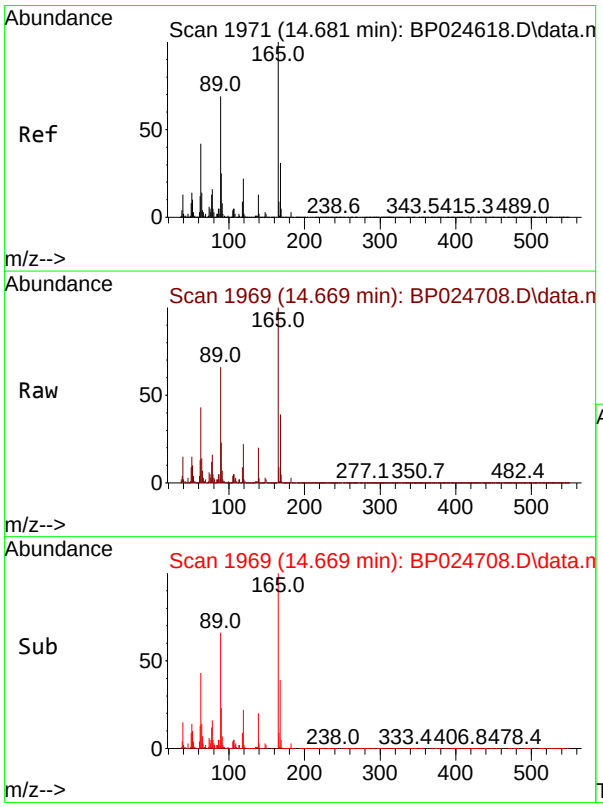


#56
4-Nitrophenol
Concen: 78.370 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 367273

Ion	Ratio	Lower	Upper
139	100		
109	85.9	61.4	101.4
65	90.2	72.2	112.2

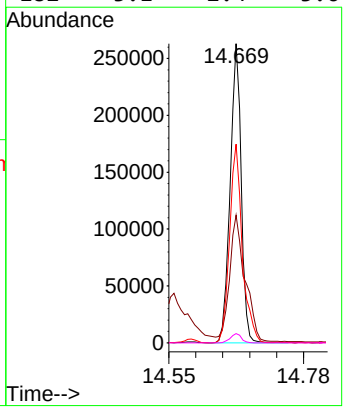




#57
2,4-Dinitrotoluene
Concen: 45.895 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:165 Resp: 34341

Ion	Ratio	Lower	Upper
165	100		
63	42.7	33.8	50.6
89	66.5	55.6	83.4
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
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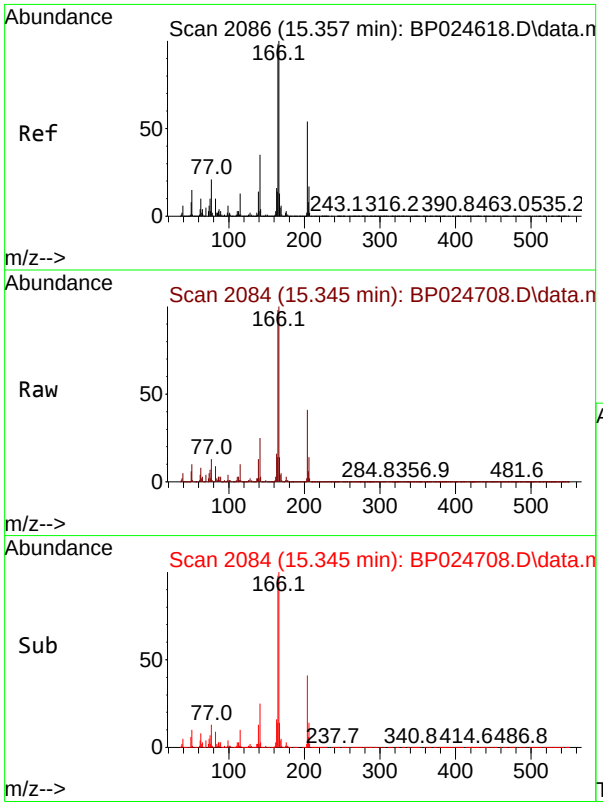
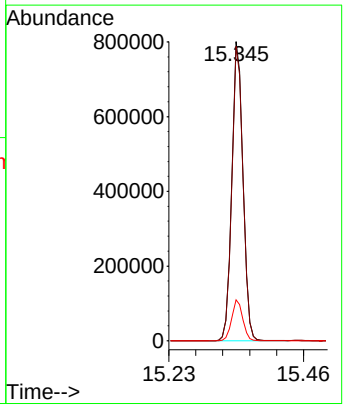
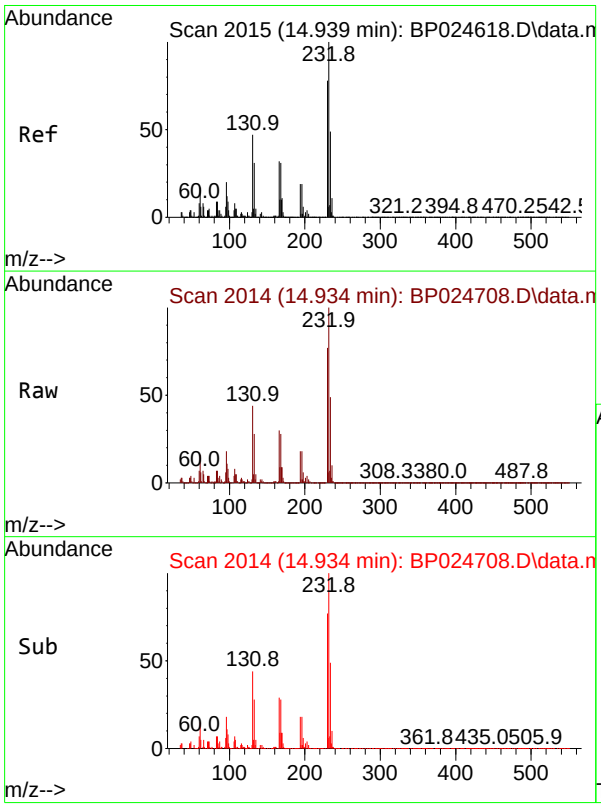


#58
Fluorene
Concen: 45.608 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:166 Resp: 1060372

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.5	117.7
167	13.7	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.983 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:232 Resp: 30727

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.5	59.3
130	2.6	2.2	3.4
166	30.7	25.7	38.5

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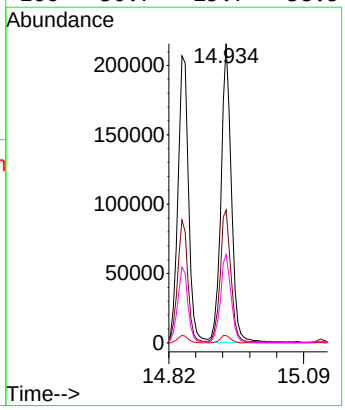
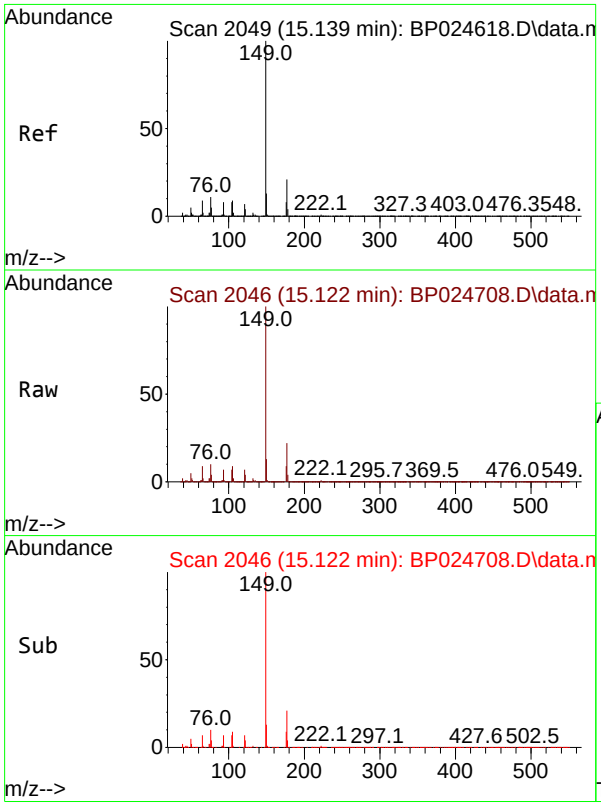
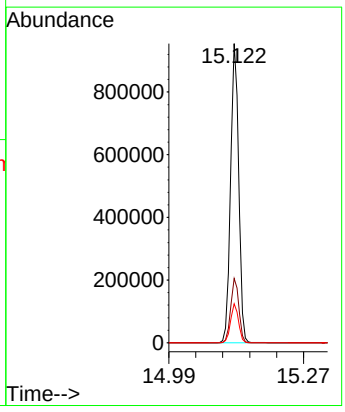


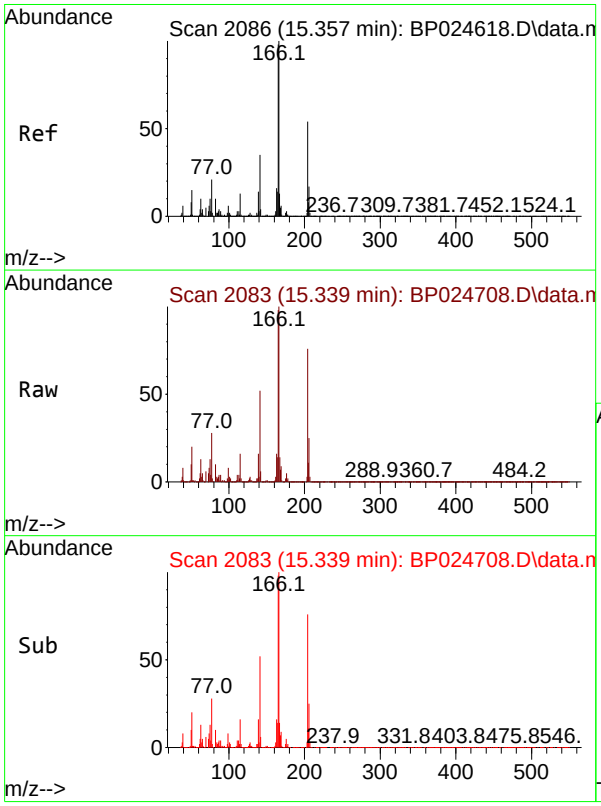


#60
Diethylphthalate
Concen: 44.119 ng
RT: 15.122 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1120632

Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.7	25.1
150	13.0	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 45.439 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:204 Resp: 52685

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.0	39.0
141	68.1	52.9	79.3

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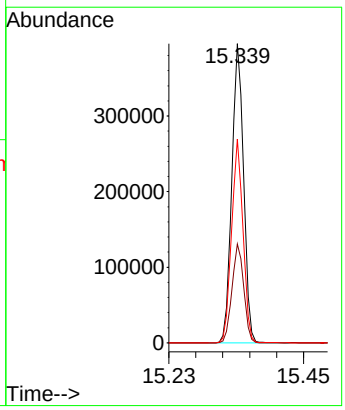
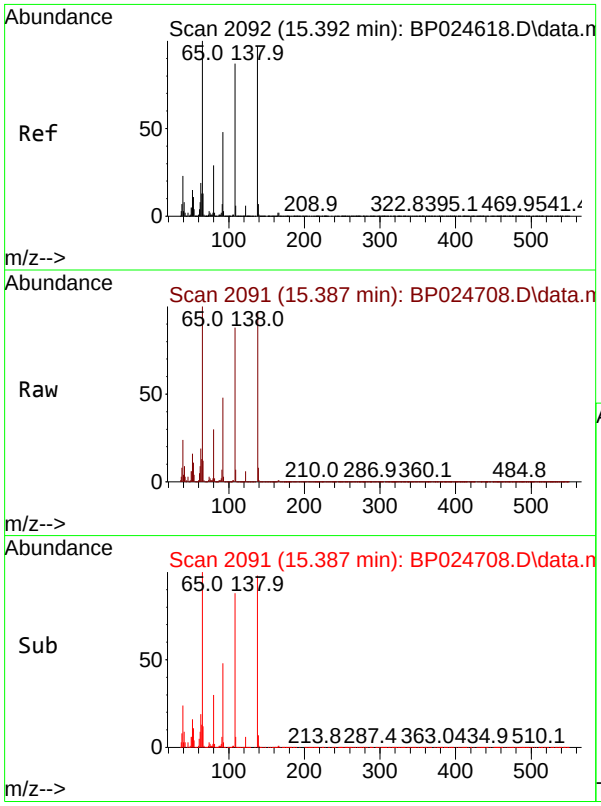
Supervised By :Jagrut Upadhyay 05/21/2025

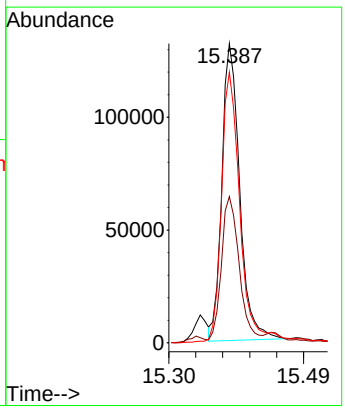


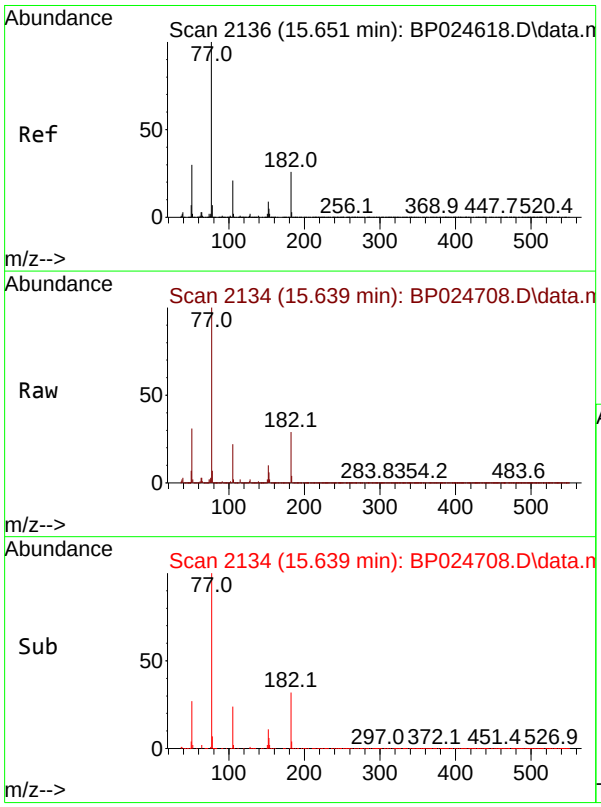


#62
4-Nitroaniline
Concen: 43.760 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:138 Resp: 228988

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.2	69.2
108	90.5	69.0	109.0

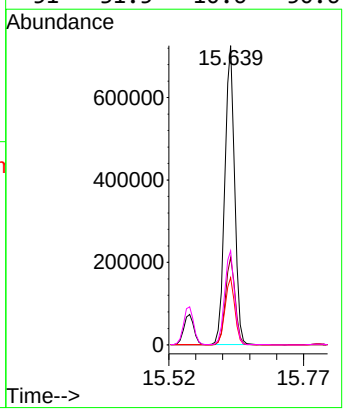




#63
Azobenzene
Concen: 42.749 ng
RT: 15.639 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 92890

Ion	Ratio	Lower	Upper
77	100		
182	29.2	5.7	45.7
105	22.5	1.3	41.3
51	31.5	10.6	50.6



Instrument :
BNA_P
ClientSampleId :
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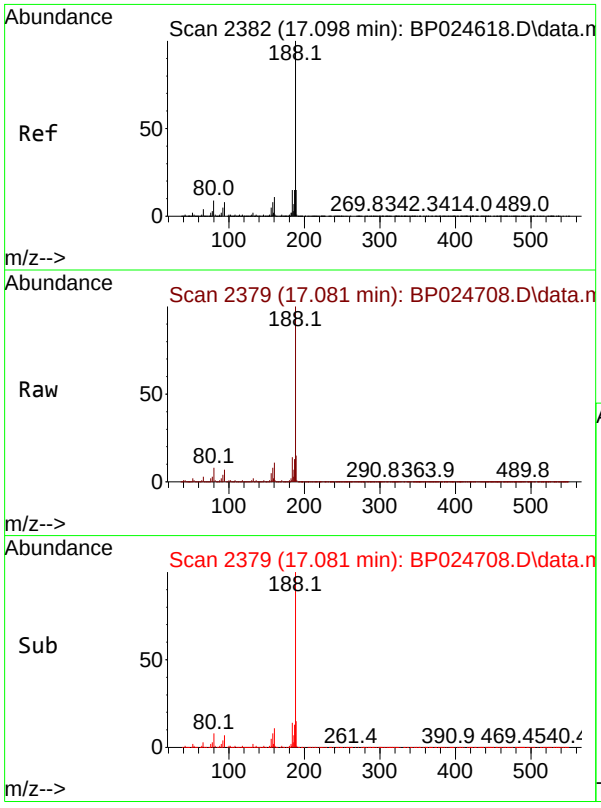
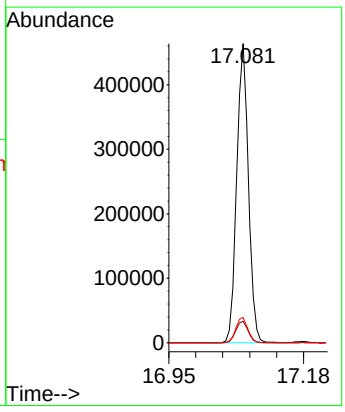
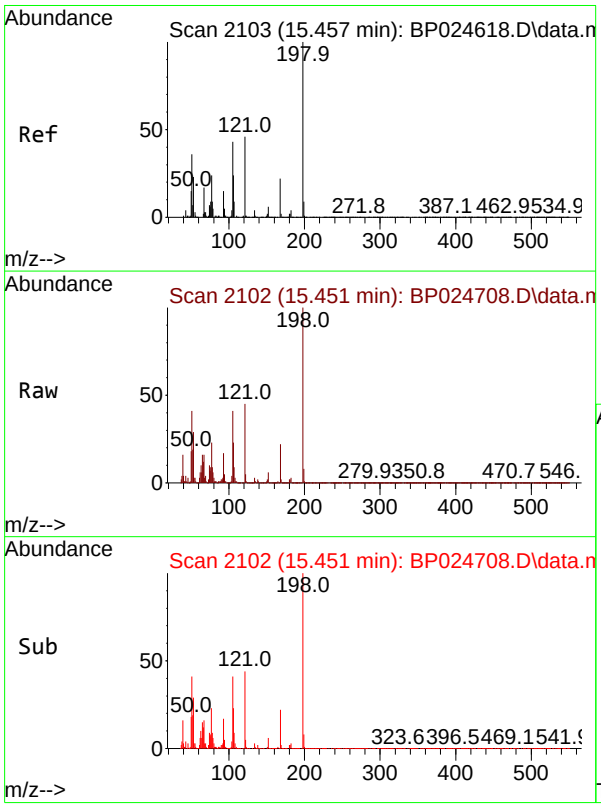


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:188 Resp: 642991

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.5	9.7
80	8.5	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 49.028 ng
RT: 15.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:198 Resp: 20362

Ion	Ratio	Lower	Upper
198	100		
51	41.0	21.1	61.1
105	41.4	23.6	63.6

Instrument :
BNA_P
ClientSampleId :
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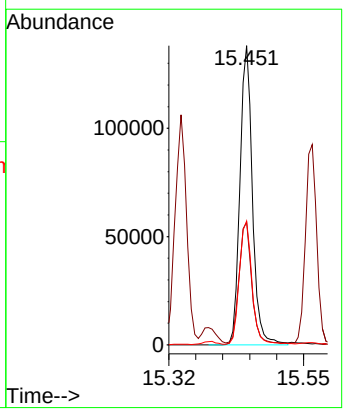
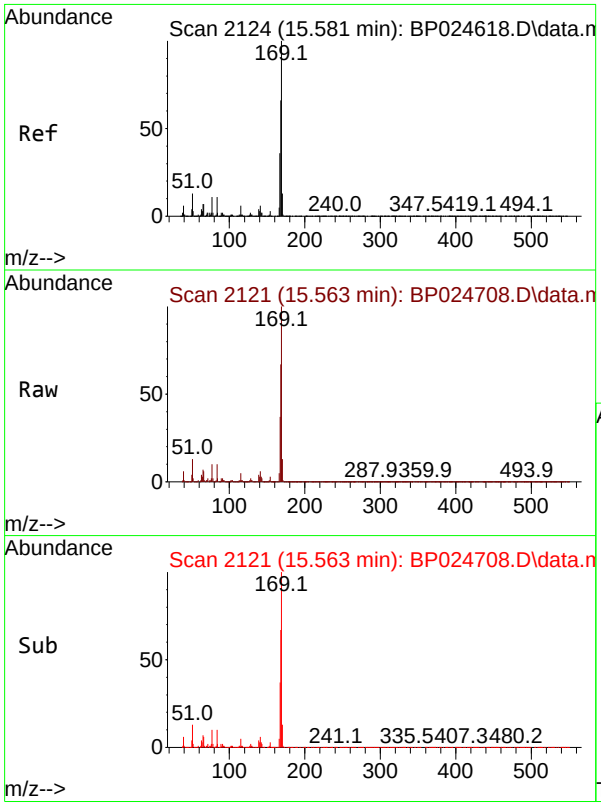
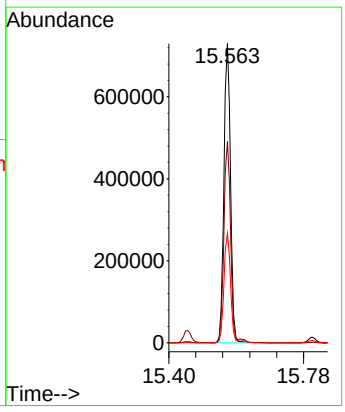


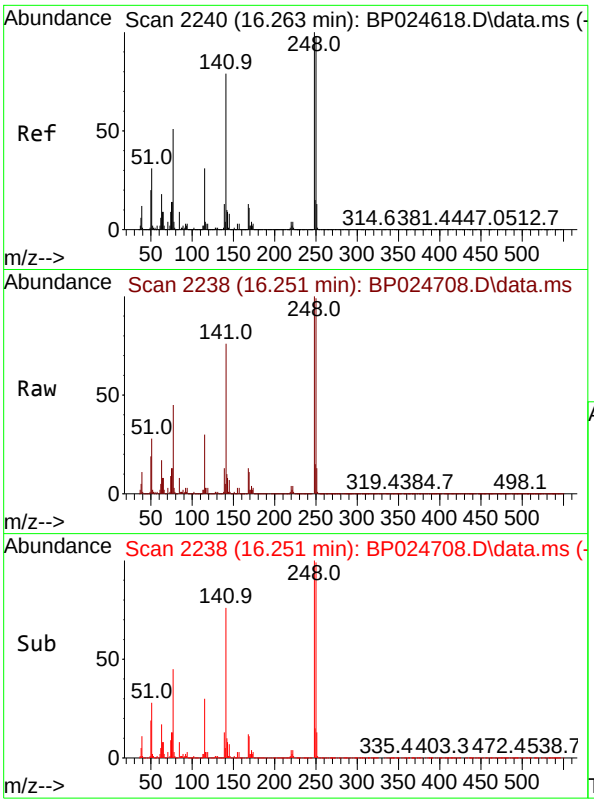


#66
n-Nitrosodiphenylamine
Concen: 47.509 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:169 Resp: 938311

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.6	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 48.013 ng
RT: 16.251 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:248 Resp: 36378

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	76.4	63.0	94.6

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

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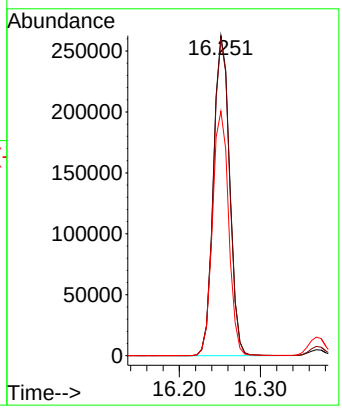
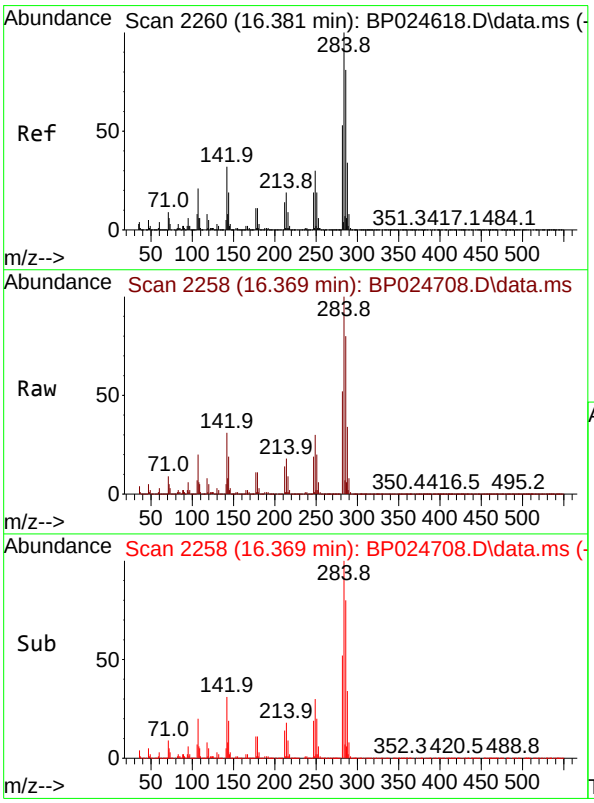
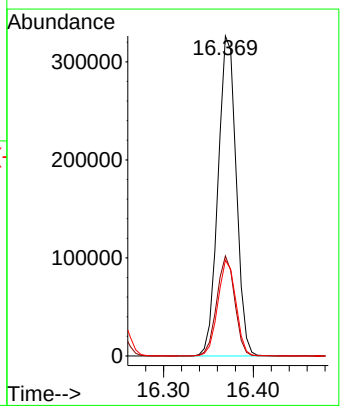


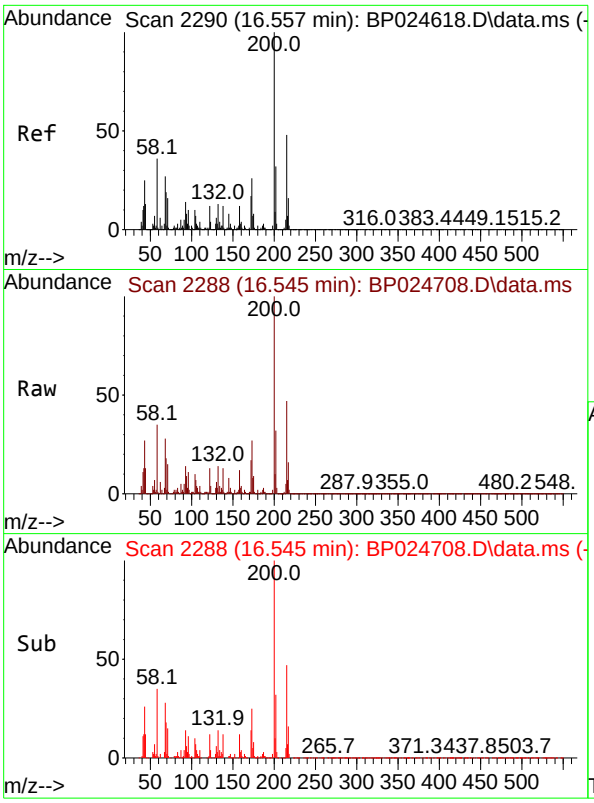


#68
Hexachlorobenzene
Concen: 47.591 ng
RT: 16.369 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:284 Resp: 458184

Ion	Ratio	Lower	Upper
284	100		
142	31.3	25.9	38.9
249	29.9	24.1	36.1

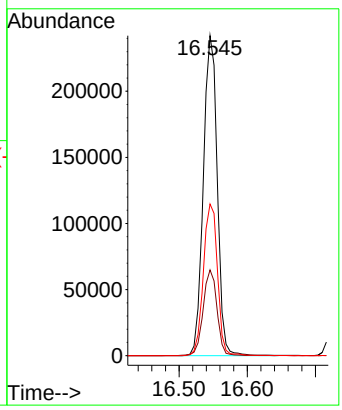




#69
Atrazine
Concen: 47.570 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:200 Resp: 34430

Ion	Ratio	Lower	Upper
200	100		
173	26.8	5.9	45.9
215	47.4	28.3	68.3



Instrument :
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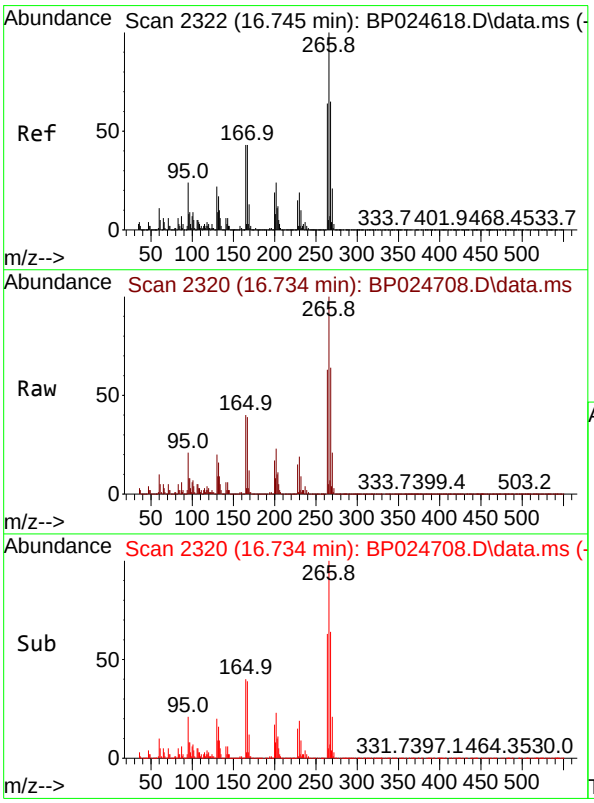
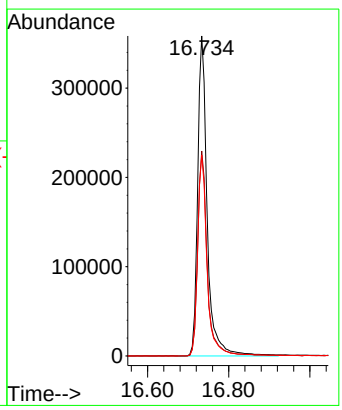
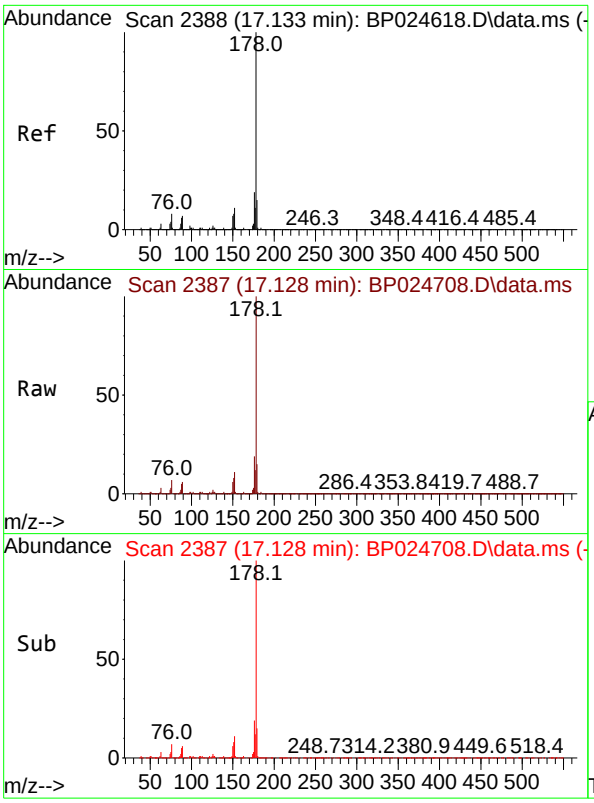


#70
Pentachlorophenol
Concen: 109.332 ng
RT: 16.734 min Scan# 2320
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:266 Resp: 590870

Ion	Ratio	Lower	Upper
266	100		
268	64.1	52.2	78.4
264	62.8	51.1	76.7

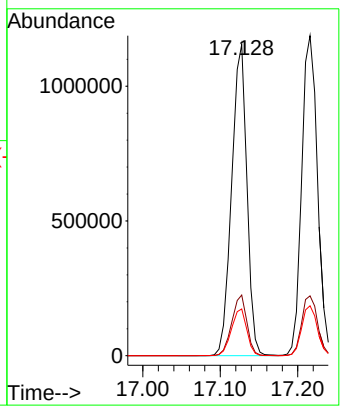




#71
Phenanthrene
Concen: 44.362 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 158572

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.0	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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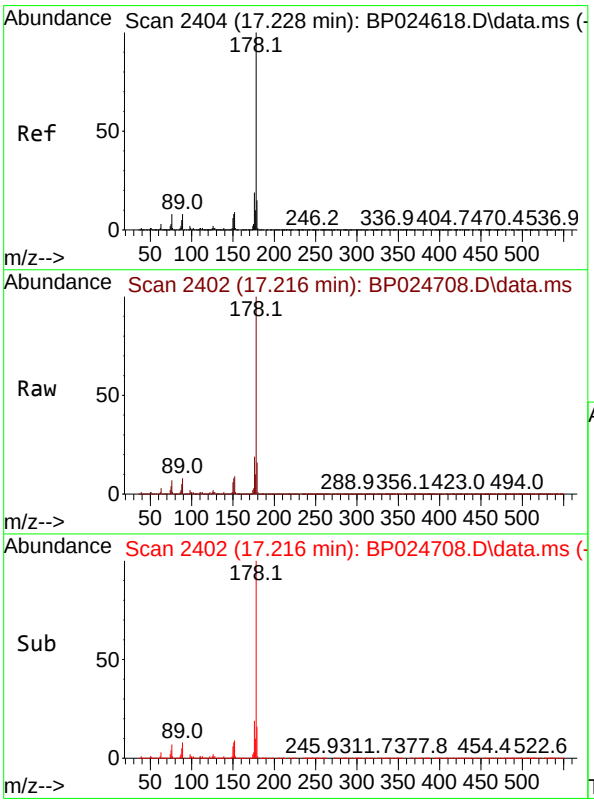
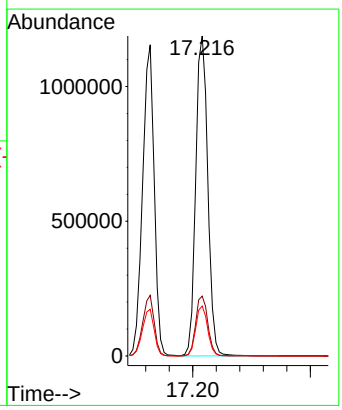
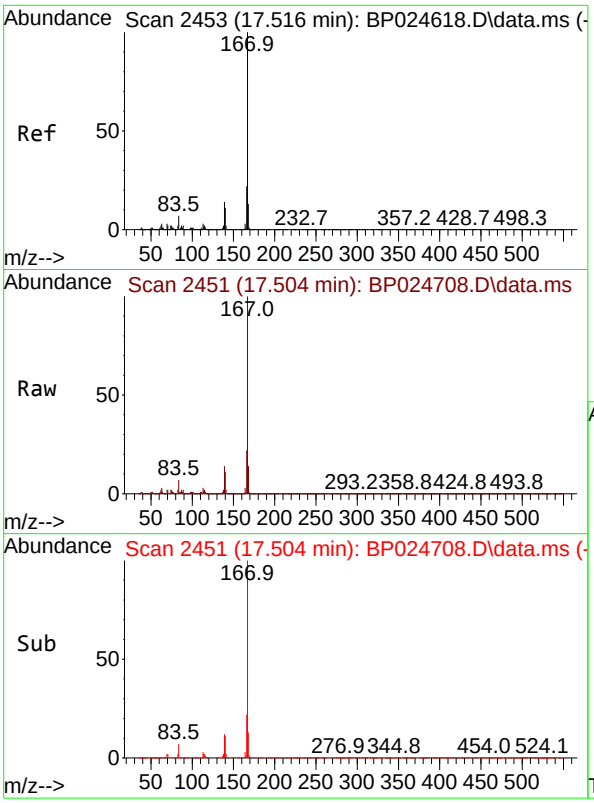


#72
Anthracene
Concen: 46.920 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 1687384

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.2	18.2

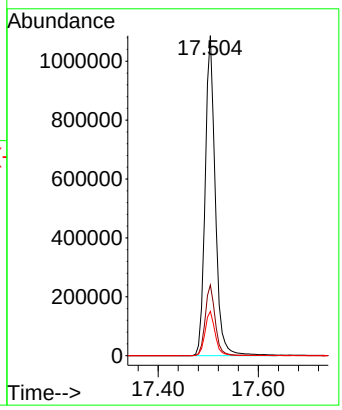




#73
Carbazole
Concen: 46.929 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:167 Resp: 152755

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.9	11.3	16.9



Instrument :
BNA_P
ClientSampleId :
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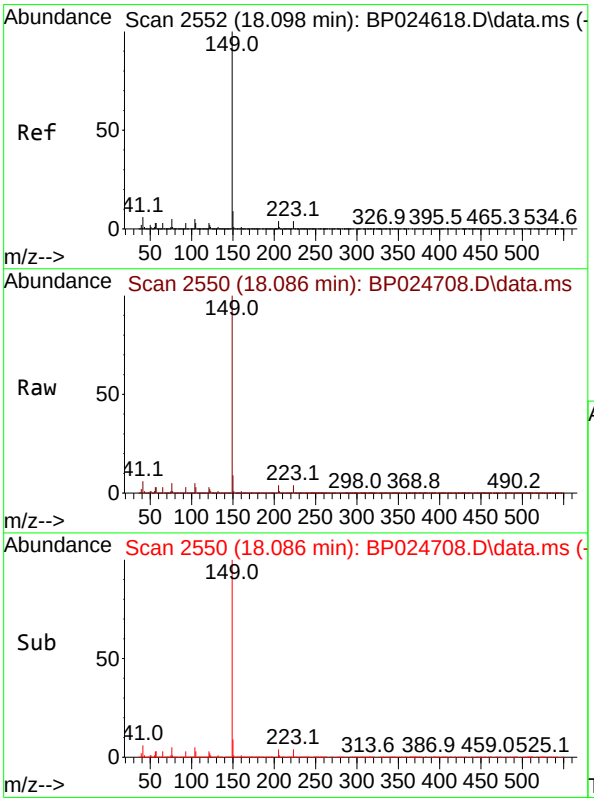
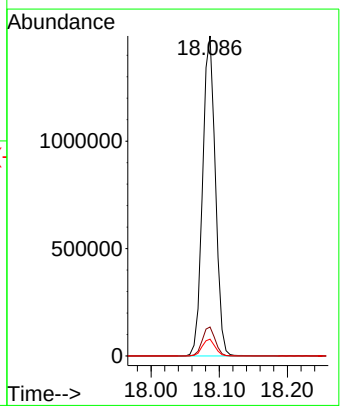
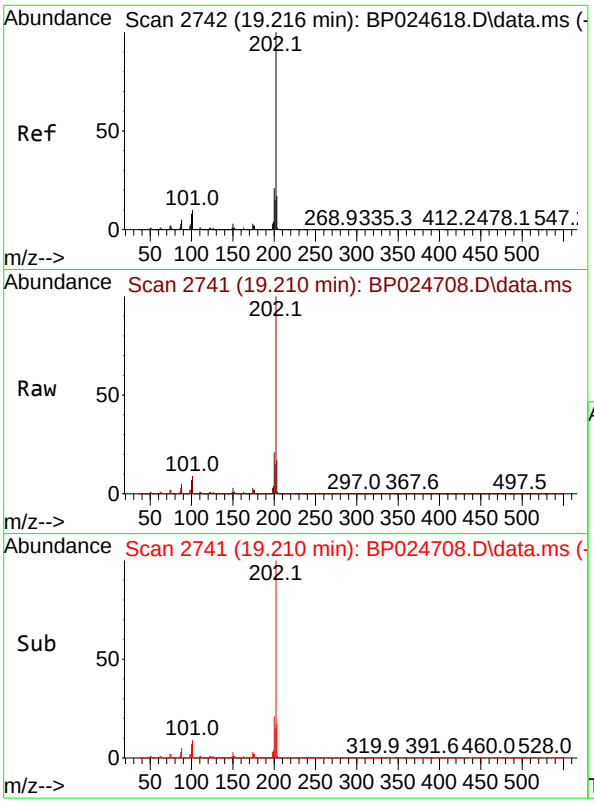


#74
Di-n-butylphthalate
Concen: 46.398 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1942338

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.3	4.3	6.5

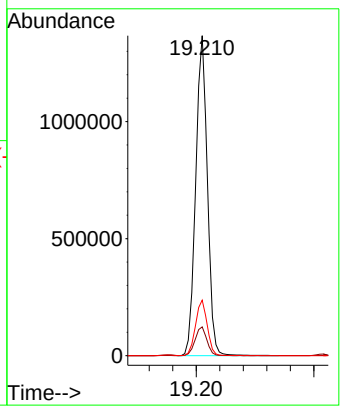




#75
Fluoranthene
Concen: 45.023 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 188119

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.3
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
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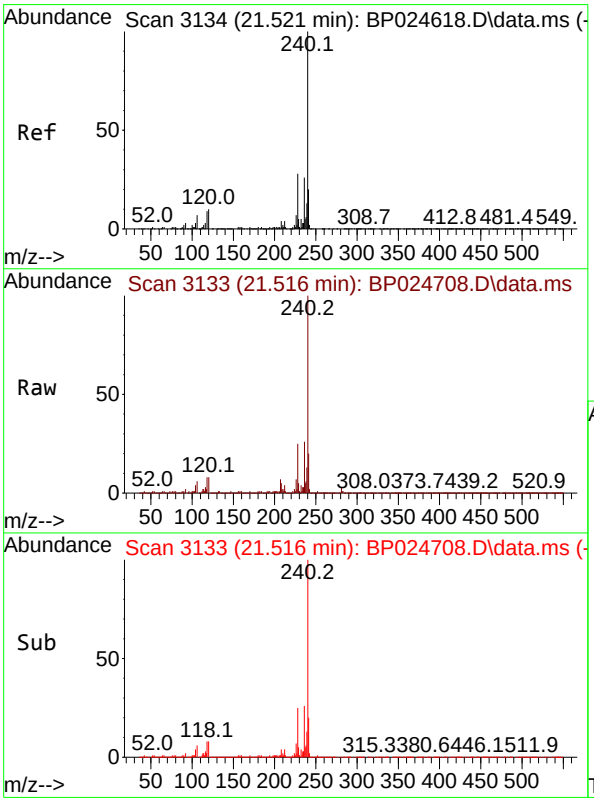
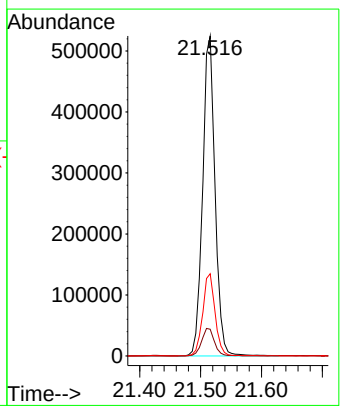
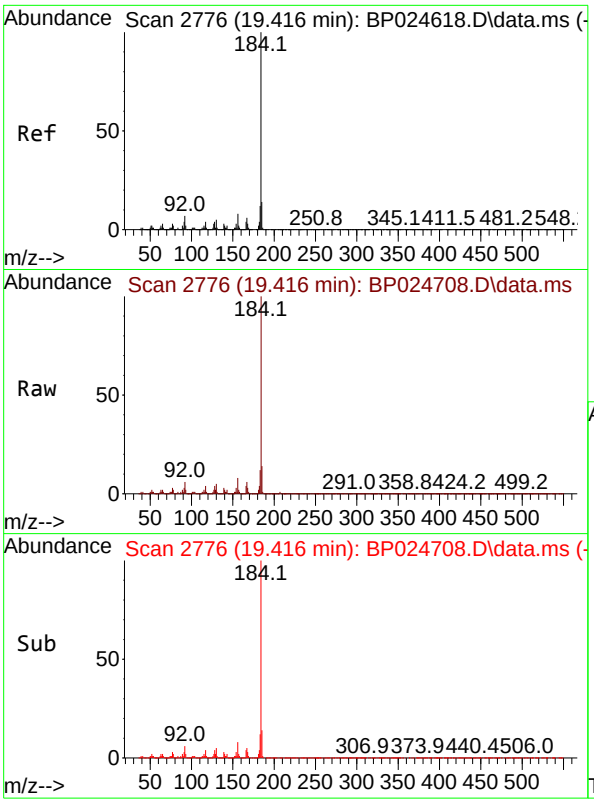


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:240 Resp: 741643

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.8	11.6
236	25.7	20.6	31.0

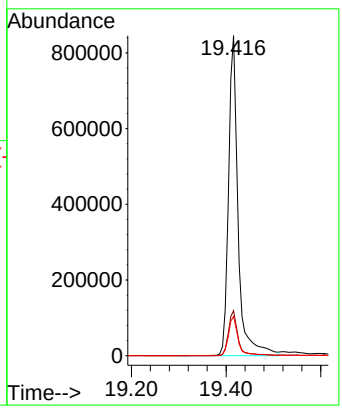




#77
Benzidine
Concen: 58.638 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 118444

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
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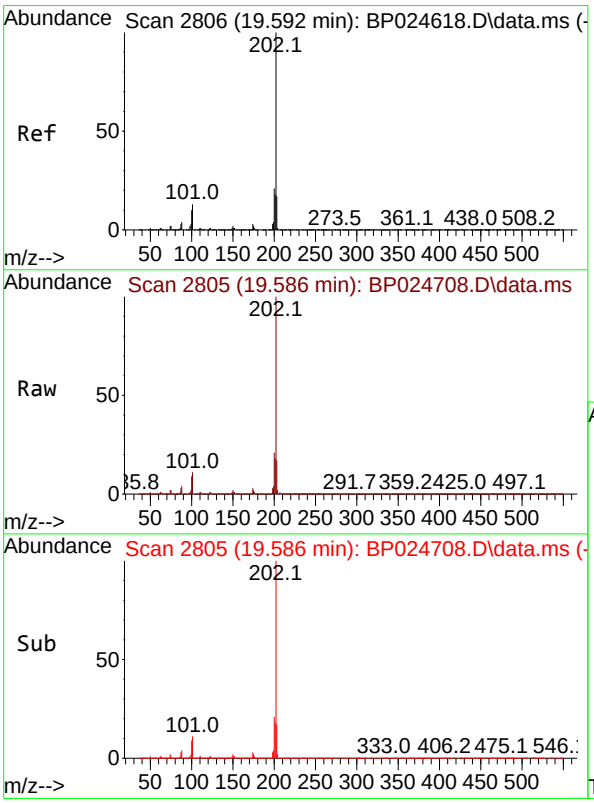
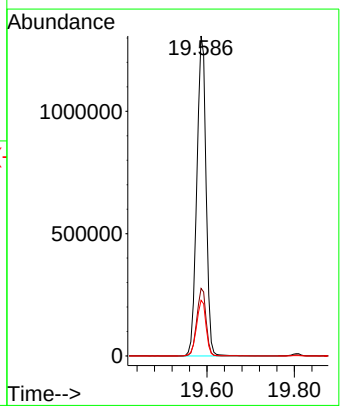
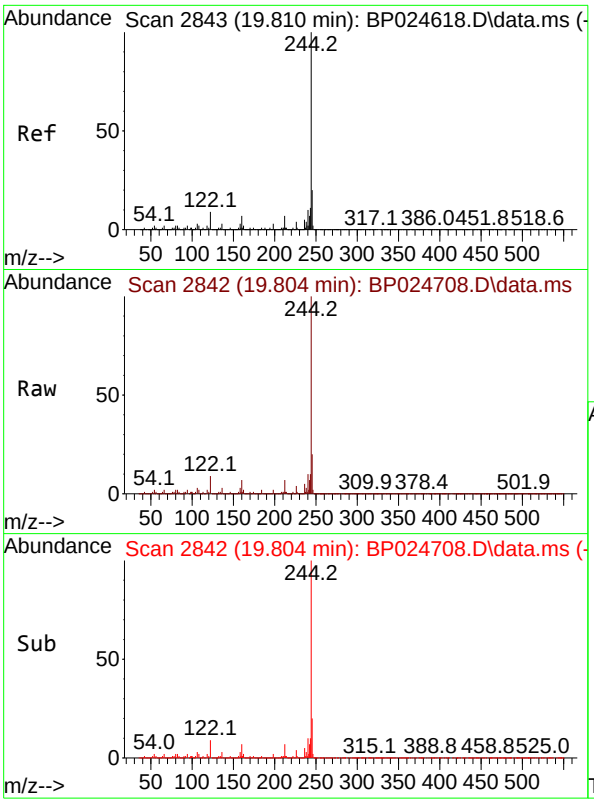


#78
Pyrene
Concen: 43.265 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 1922595

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9

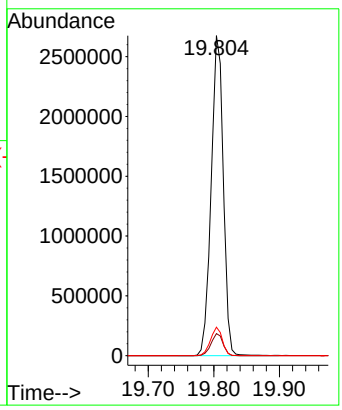




#79
Terphenyl-d14
Concen: 79.393 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:244 Resp: 343391

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.9	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
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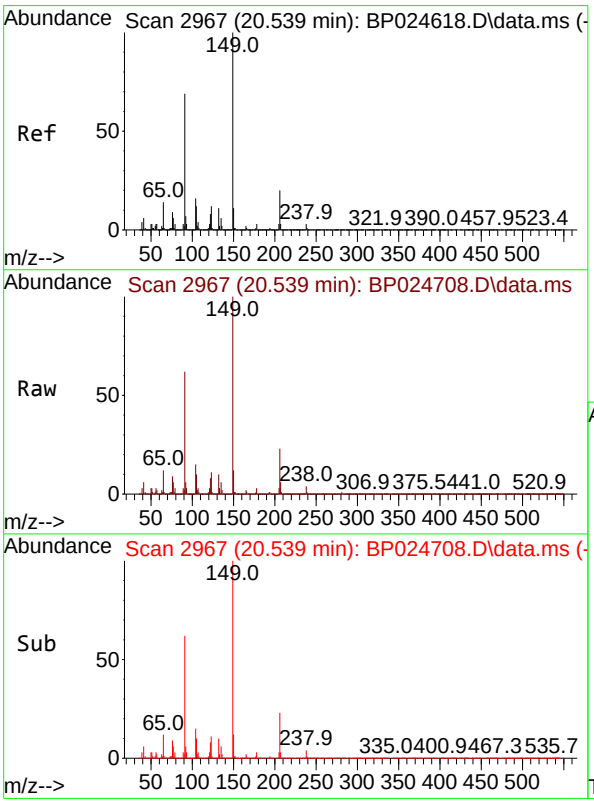
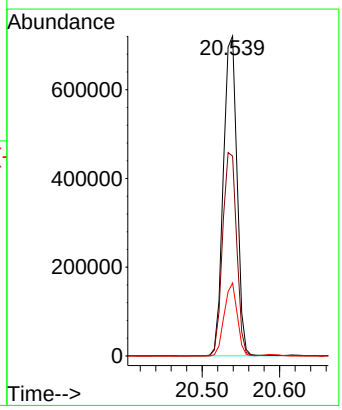
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

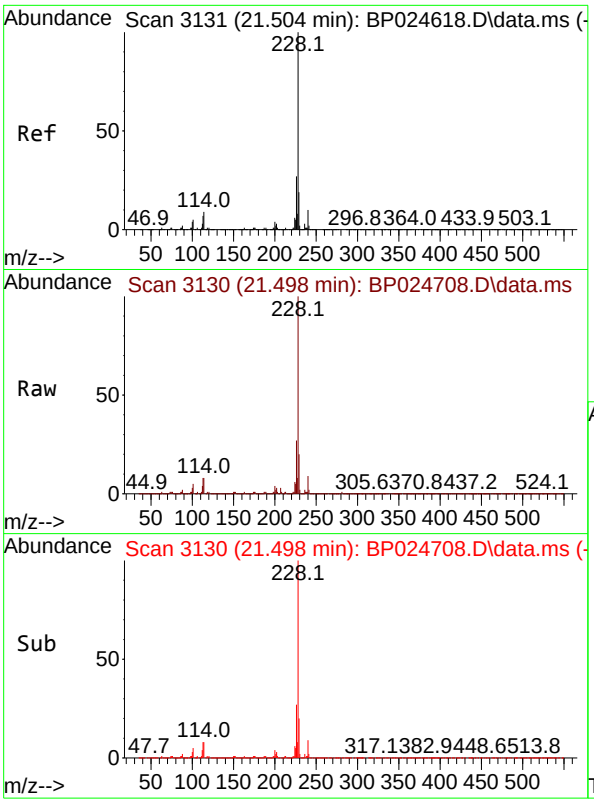


#80
Butylbenzylphthalate
Concen: 44.673 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 882879

Ion	Ratio	Lower	Upper
149	100		
91	62.4	55.4	83.0
206	22.8	16.2	24.2

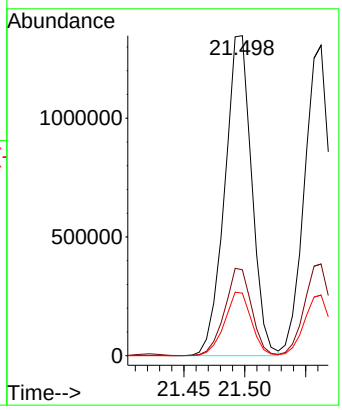




#81
Benzo(a)anthracene
Concen: 44.715 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:228 Resp: 208233

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	19.5	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
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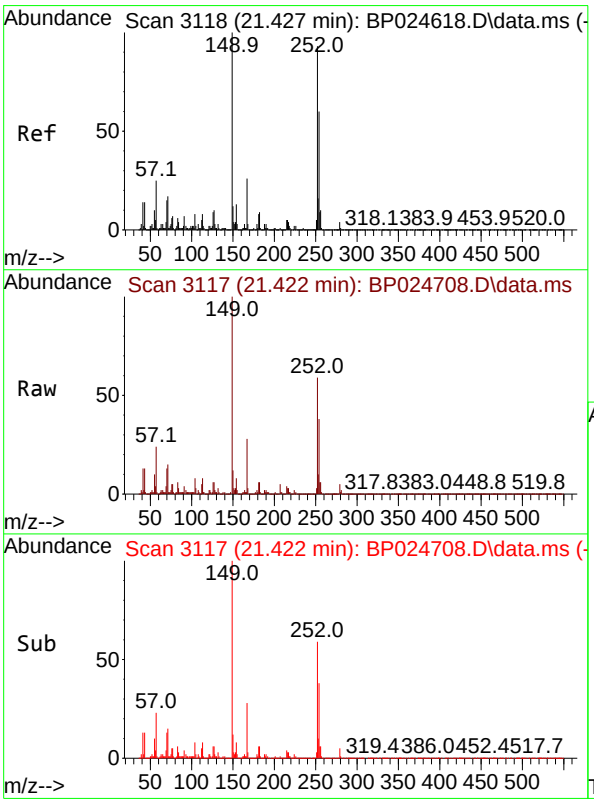
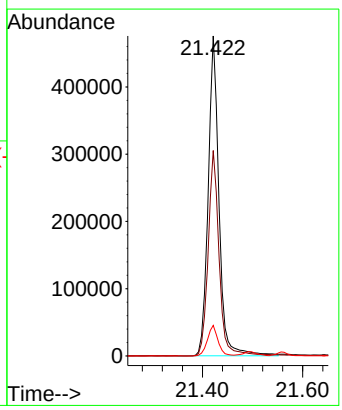
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

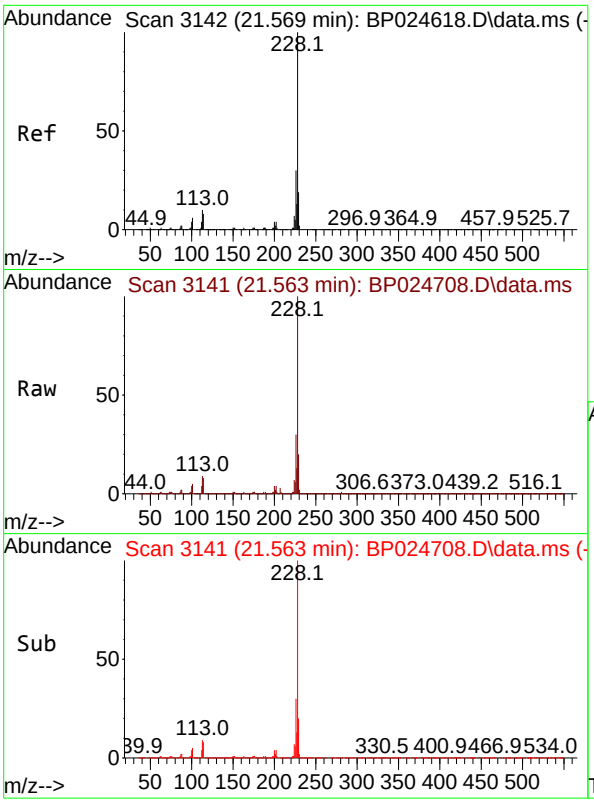


#82
3,3'-Dichlorobenzidine
Concen: 41.258 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 713621

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	9.6	7.7	11.5

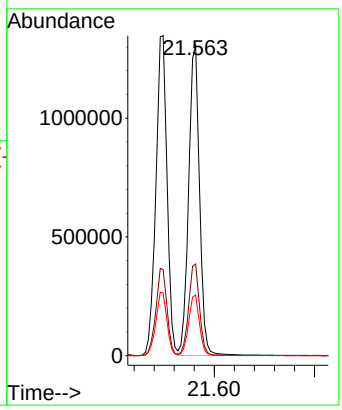




#83
Chrysene
Concen: 44.732 ng
RT: 21.563 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:228 Resp: 197470

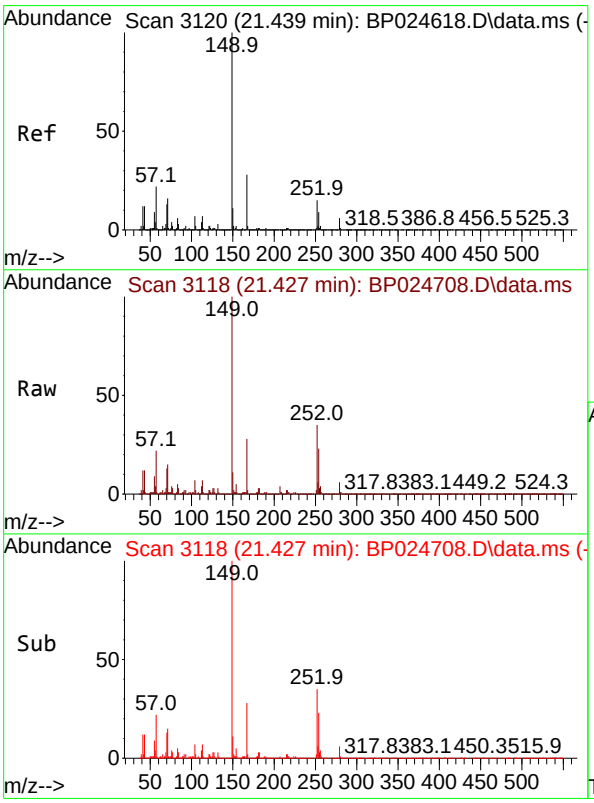
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	19.5	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
APPROVED

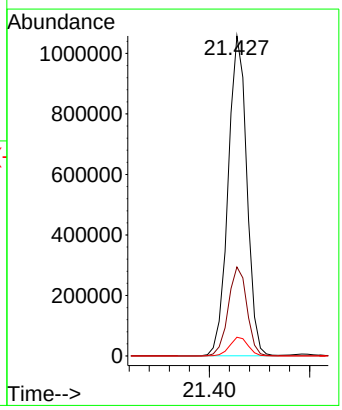
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

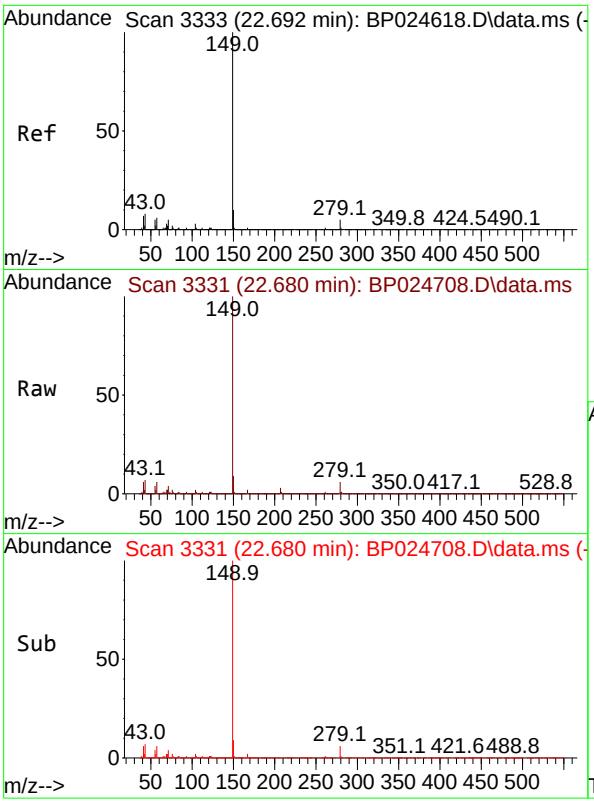


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.173 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1370288

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	5.8	4.6	6.8





#85
Di-n-octyl phthalate
Concen: 47.662 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 226407

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
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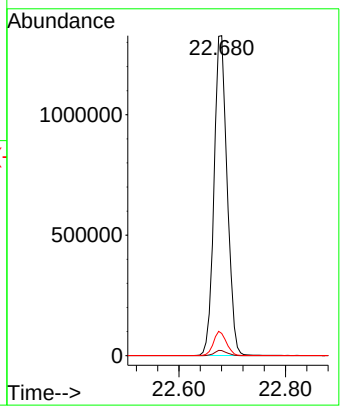
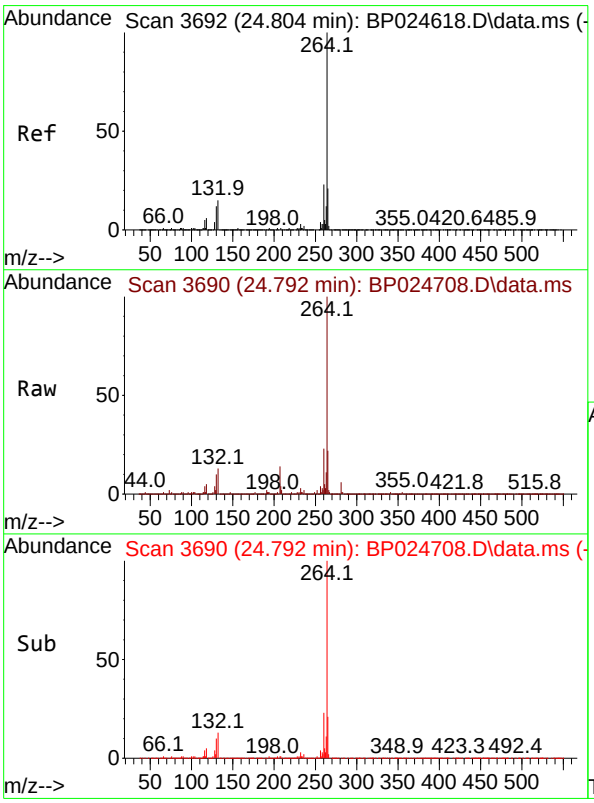
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

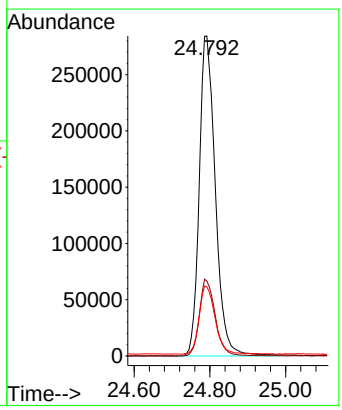


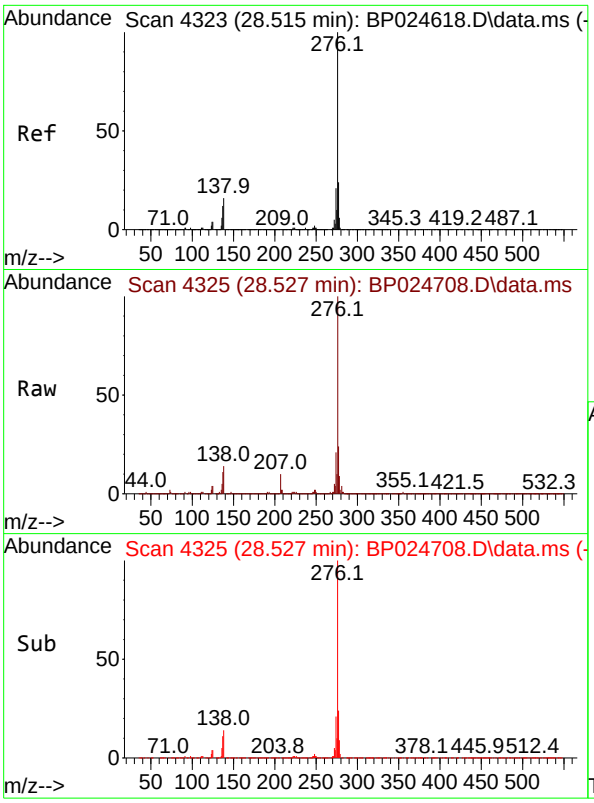


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:264 Resp: 838594

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.6	17.0	25.6

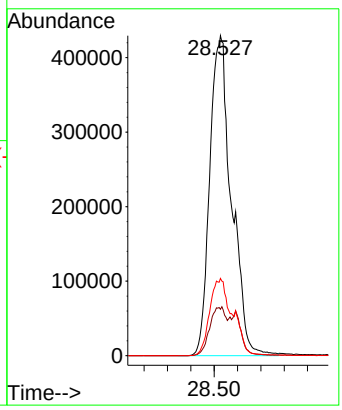




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.368 ng
RT: 28.527 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 277752

Ion	Ratio	Lower	Upper
276	100		
138	11.3	11.2	16.8
277	21.2	15.7	23.5



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
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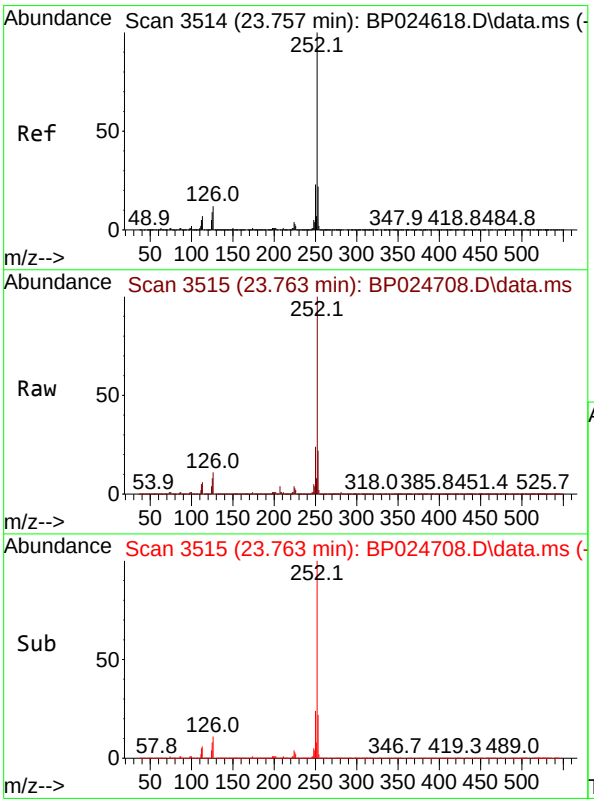
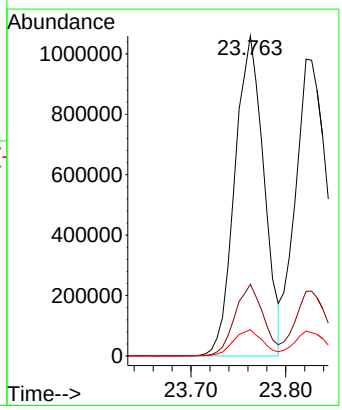
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

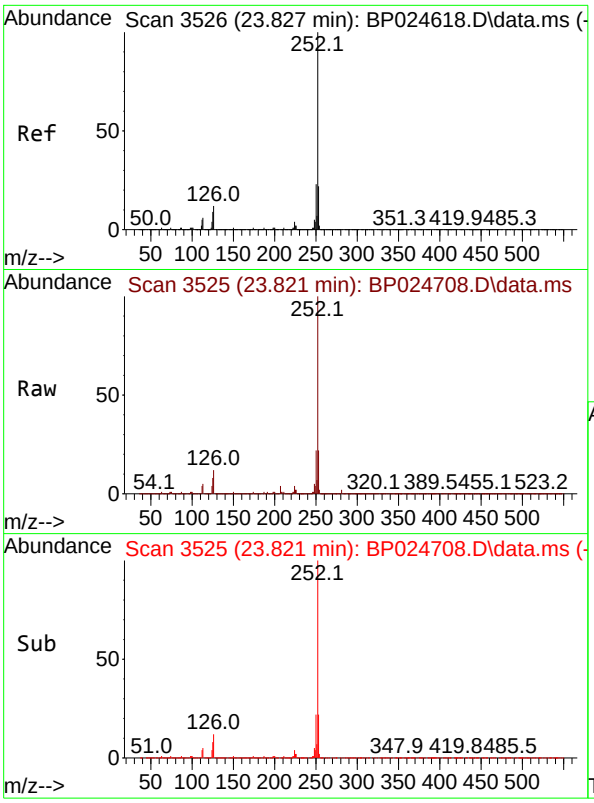


#88
Benzo(b)fluoranthene
Concen: 47.041 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2257968

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.2	7.5	11.3

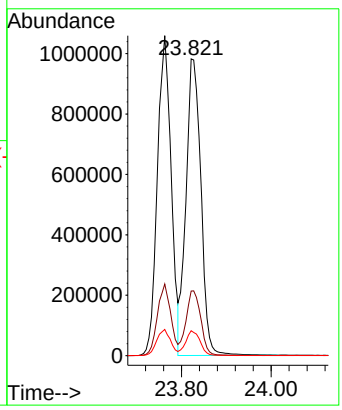




#89
Benzo(k)fluoranthene
Concen: 45.885 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 226948

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.4	7.0	10.4



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
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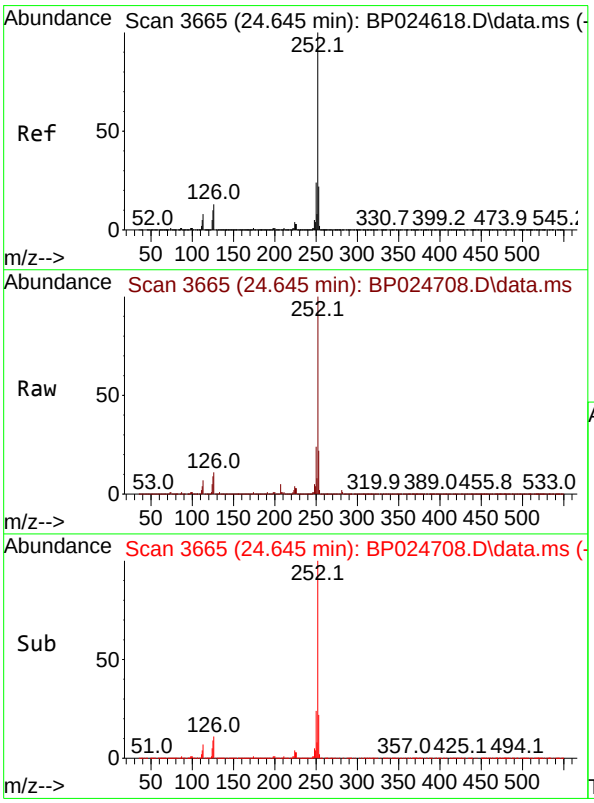
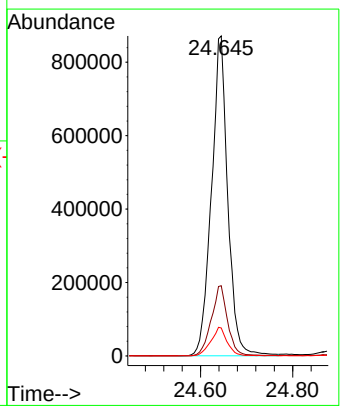
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

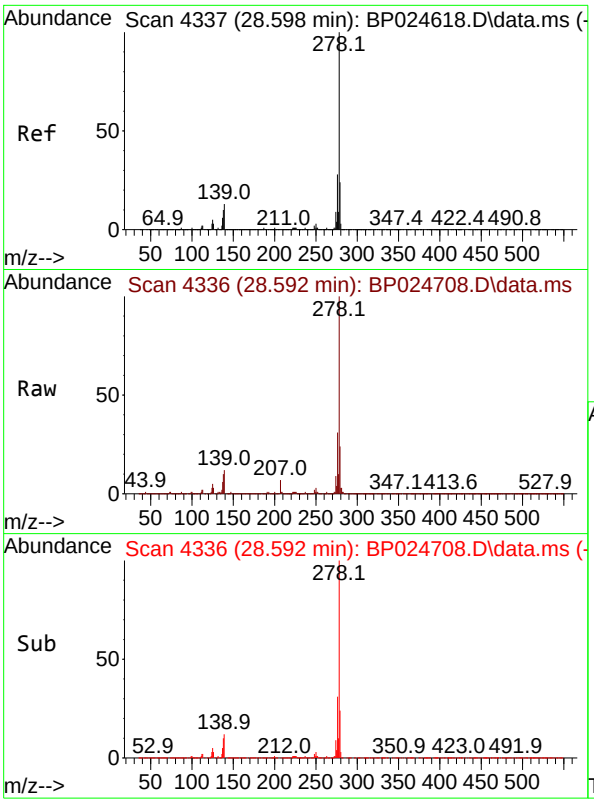


#90
Benzo(a)pyrene
Concen: 46.387 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2138419

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.8	8.1	12.1

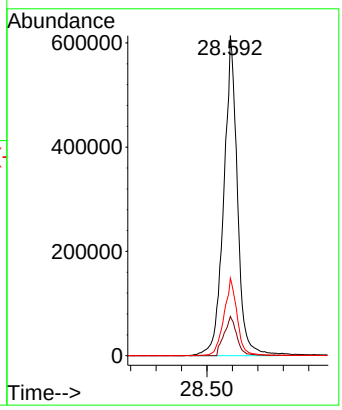




#91
Dibenzo(a,h)anthracene
Concen: 45.992 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:278 Resp: 229067

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.2	15.4
279	24.2	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Manual Integrations
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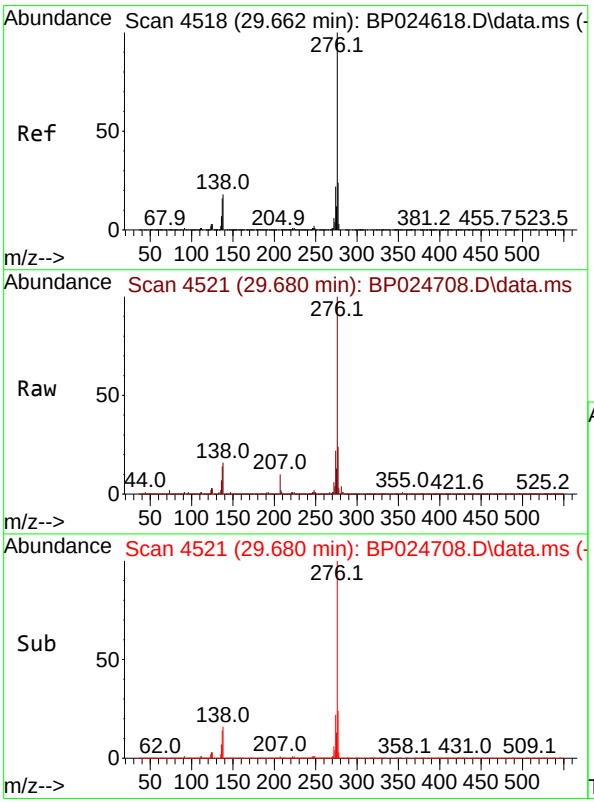
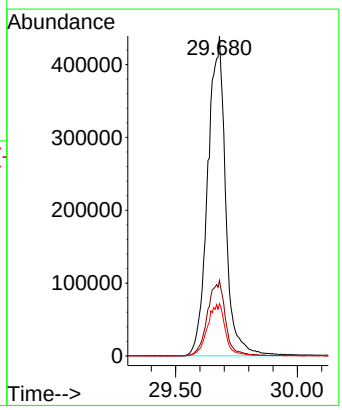
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025



#92
Benzo(g,h,i)perylene
Concen: 44.853 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 2221548

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	16.4	14.4	21.6



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Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024615.D	4-Nitroaniline	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Benzaldehyde	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Caprolactam	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	4-Nitroaniline	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzaldehyde	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzidine	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzoic acid	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Caprolactam	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Pentachlorophenol	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzaldehyde	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzoic acid	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICCC040	BP024618.D	Benzaldehyde	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BP024618.D	Benzoic acid	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software
SSTDICC080	BP024621.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:51 PM	Jagrut	5/14/2025 5:16:14 PM	Peak Integrated by Software
SSTDICV040	BP024622.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:57 PM	Jagrut	5/14/2025 5:16:17 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp052025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168048BSD	BP024708.D	Benzoic acid	Rahul	5/21/2025 1:16:07 PM	Jagrut	5/21/2025 4:42:51 PM	Peak Integrated by Software
Q2064-05	BP024714.D	Benzoic acid	Rahul	5/21/2025 1:16:09 PM	Jagrut	5/21/2025 4:42:55 PM	Peak Integrated by Software
SSTDCCC040	BP024735.D	Benzoic acid	Rahul	5/21/2025 1:16:15 PM	Jagrut	5/21/2025 4:43:03 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM				
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM				
SubDirectory	BP051325	HP Acquire Method	BNA_P		HP Processing Method	bp051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024613.D	13 May 2025 10:00	RC/JU	Ok
2	SSTDICC2.5	BP024614.D	13 May 2025 10:41	RC/JU	Ok
3	SSTDICC005	BP024615.D	13 May 2025 11:22	RC/JU	Ok,M
4	SSTDICC010	BP024616.D	13 May 2025 12:03	RC/JU	Ok,M
5	SSTDICC020	BP024617.D	13 May 2025 12:43	RC/JU	Ok,M
6	SSTDICCC040	BP024618.D	13 May 2025 13:24	RC/JU	Ok,M
7	SSTDICC050	BP024619.D	13 May 2025 14:05	RC/JU	Ok
8	SSTDICC060	BP024620.D	13 May 2025 14:45	RC/JU	Ok
9	SSTDICC080	BP024621.D	13 May 2025 15:26	RC/JU	Ok,M
10	SSTDICV040	BP024622.D	13 May 2025 17:01	RC/JU	Ok,M
11	PB167917TB	BP024623.D	13 May 2025 18:23	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

Review By	Rahul	Review On	5/21/2025 1:31:28 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:43:18 PM				
SubDirectory	BP052025	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024702.D	20 May 2025 10:31	RC/JU	Ok
2	SSTDCCC040	BP024703.D	20 May 2025 11:52	RC/JU	Ok
3	PB168052BL	BP024704.D	20 May 2025 12:33	RC/JU	Ok
4	PB168052BS	BP024705.D	20 May 2025 13:14	RC/JU	Ok
5	PB168048BL	BP024706.D	20 May 2025 13:55	RC/JU	Ok
6	PB168048BS	BP024707.D	20 May 2025 14:35	RC/JU	Ok
7	PB168048BSD	BP024708.D	20 May 2025 15:16	RC/JU	Ok,M
8	Q2071-13	BP024709.D	20 May 2025 15:57	RC/JU	Ok
9	Q2071-13MS	BP024710.D	20 May 2025 16:38	RC/JU	Ok
10	Q2071-13MSD	BP024711.D	20 May 2025 17:19	RC/JU	Ok
11	Q2064-01	BP024712.D	20 May 2025 17:59	RC/JU	Ok
12	Q2064-04	BP024713.D	20 May 2025 18:40	RC/JU	Ok
13	Q2064-05	BP024714.D	20 May 2025 19:21	RC/JU	Ok,M
14	Q2064-08	BP024715.D	20 May 2025 20:02	RC/JU	Ok
15	Q2032-11	BP024716.D	20 May 2025 20:42	RC/JU	Ok
16	Q2065-01	BP024717.D	20 May 2025 21:23	RC/JU	Ok,M
17	SSTDCCC040	BP024718.D	20 May 2025 22:04	RC/JU	Ok
18	DFTPP	BP024719.D	21 May 2025 00:06	RC/JU	Ok
19	SSTDCCC040	BP024720.D	21 May 2025 00:47	RC/JU	Ok
20	PB168033TB	BP024721.D	21 May 2025 01:28	RC/JU	Ok
21	Q2067-01DL	BP024722.D	21 May 2025 02:08	RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

Review By	Rahul	Review On	5/21/2025 1:31:28 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:43:18 PM				
SubDirectory	BP052025	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1984-03	BP024723.D	21 May 2025 02:49	RC/JU	Ok
23	Q1984-09	BP024724.D	21 May 2025 03:30	RC/JU	Ok
24	Q1984-13RX	BP024725.D	21 May 2025 04:10	RC/JU	Confirms
25	Q2057-04	BP024726.D	21 May 2025 04:51	RC/JU	Ok
26	Q2062-04	BP024727.D	21 May 2025 05:31	RC/JU	Ok
27	Q2062-08	BP024728.D	21 May 2025 06:12	RC/JU	Ok
28	Q2062-12	BP024729.D	21 May 2025 06:53	RC/JU	Ok
29	Q2062-16	BP024730.D	21 May 2025 07:33	RC/JU	Ok
30	Q2062-20	BP024731.D	21 May 2025 08:14	RC/JU	Ok
31	Q2062-24	BP024732.D	21 May 2025 08:54	RC/JU	Ok
32	Q2080-06	BP024733.D	21 May 2025 09:35	RC/JU	Ok
33	Q2080-12	BP024734.D	21 May 2025 10:16	RC/JU	Ok
34	SSTDCCC040	BP024735.D	21 May 2025 10:56	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/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	BP024613.D	13 May 2025 10:00		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024614.D	13 May 2025 10:41		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024615.D	13 May 2025 11:22	Compound#32-54-56-65-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024616.D	13 May 2025 12:03		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024617.D	13 May 2025 12:43		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024618.D	13 May 2025 13:24	Compound#32-54-56 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP024619.D	13 May 2025 14:05		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024620.D	13 May 2025 14:45		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024621.D	13 May 2025 15:26		RC/JU	Ok,M
10	SSTDICV040	ICVBP051325	BP024622.D	13 May 2025 17:01		RC/JU	Ok,M
11	PB167917TB	PB167917TB	BP024623.D	13 May 2025 18:23		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

Review By	Rahul	Review On	5/21/2025 1:31:28 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:43:18 PM		
SubDirectory	BP052025	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/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	BP024702.D	20 May 2025 10:31		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024703.D	20 May 2025 11:52		RC/JU	Ok
3	PB168052BL	PB168052BL	BP024704.D	20 May 2025 12:33		RC/JU	Ok
4	PB168052BS	PB168052BS	BP024705.D	20 May 2025 13:14		RC/JU	Ok
5	PB168048BL	PB168048BL	BP024706.D	20 May 2025 13:55		RC/JU	Ok
6	PB168048BS	PB168048BS	BP024707.D	20 May 2025 14:35		RC/JU	Ok
7	PB168048BSD	PB168048BSD	BP024708.D	20 May 2025 15:16		RC/JU	Ok,M
8	Q2071-13	L2-WC-5	BP024709.D	20 May 2025 15:57		RC/JU	Ok
9	Q2071-13MS	L2-WC-5MS	BP024710.D	20 May 2025 16:38		RC/JU	Ok
10	Q2071-13MSD	L2-WC-5MSD	BP024711.D	20 May 2025 17:19		RC/JU	Ok
11	Q2064-01	RW8-SP100-70-202505	BP024712.D	20 May 2025 17:59		RC/JU	Ok
12	Q2064-04	RW8-SP303-70-202505	BP024713.D	20 May 2025 18:40		RC/JU	Ok
13	Q2064-05	RW8-SP100-90-202505	BP024714.D	20 May 2025 19:21		RC/JU	Ok,M
14	Q2064-08	RW8-SP303-90-202505	BP024715.D	20 May 2025 20:02		RC/JU	Ok
15	Q2032-11	FB-05132025	BP024716.D	20 May 2025 20:42		RC/JU	Ok
16	Q2065-01	VACTRUCK-728068	BP024717.D	20 May 2025 21:23		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BP024718.D	20 May 2025 22:04		RC/JU	Ok
18	DFTPP	DFTPP	BP024719.D	21 May 2025 00:06		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

Review By	Rahul	Review On	5/21/2025 1:31:28 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:43:18 PM		
SubDirectory	BP052025	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BP024720.D	21 May 2025 00:47		RC/JU	Ok
20	PB168033TB	PB168033TB	BP024721.D	21 May 2025 01:28		RC/JU	Ok
21	Q2067-01DL	303-PPR-FRACDL	BP024722.D	21 May 2025 02:08		RC/JU	Ok
22	Q1984-03	OU4-PCS-TC-34-05072	BP024723.D	21 May 2025 02:49		RC/JU	Ok
23	Q1984-09	OU4-TS-25-050725	BP024724.D	21 May 2025 03:30		RC/JU	Ok
24	Q1984-13RX	OU4-TS-27-050725RX	BP024725.D	21 May 2025 04:10	Surrogates Fail	RC/JU	Confirms
25	Q2057-04	MH-L	BP024726.D	21 May 2025 04:51		RC/JU	Ok
26	Q2062-04	L1-WC-1	BP024727.D	21 May 2025 05:31		RC/JU	Ok
27	Q2062-08	L1-WC-2	BP024728.D	21 May 2025 06:12		RC/JU	Ok
28	Q2062-12	L1-WC-3	BP024729.D	21 May 2025 06:53		RC/JU	Ok
29	Q2062-16	L1-WC-4	BP024730.D	21 May 2025 07:33		RC/JU	Ok
30	Q2062-20	L1-WC-5	BP024731.D	21 May 2025 08:14		RC/JU	Ok
31	Q2062-24	L1-WC-6	BP024732.D	21 May 2025 08:54		RC/JU	Ok
32	Q2080-06	PL-HRH-COMP-01	BP024733.D	21 May 2025 09:35		RC/JU	Ok
33	Q2080-12	PL-HRH-COMP-02	BP024734.D	21 May 2025 10:16		RC/JU	Ok
34	SSTDCCC040	SSTDCCC040EC	BP024735.D	21 May 2025 10:56		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168048

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 05/19/2025

Extraction Start Time : 08:42

Extraction End Date : 05/19/2025

Extraction End Time : 13:40

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [✓] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6782
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	E3930
Baked Na2SO4	N/A	EP2611
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/19/25	RS (BLT lab)	RC/SVOC
13:45	Preparation Group	Analysis Group

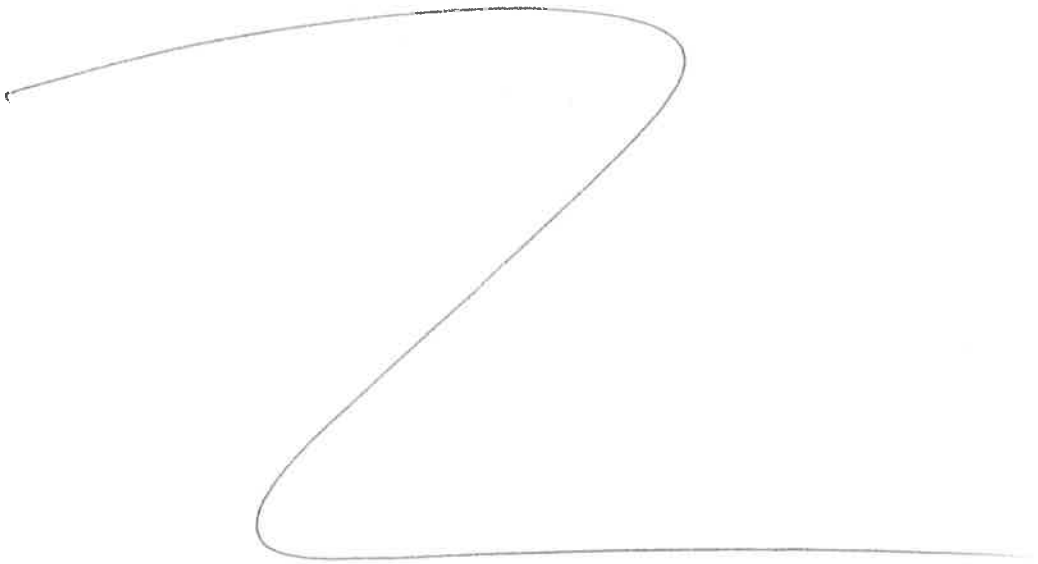
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168048

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168048BL	SBLK048	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB168048BS	SLCS048	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB168048BSD	SLCSD048	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q2032-11	FB-05132025	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	F		4
Q2033-01	TW-WTS-08	SVOCMS Group4	980	11	RUPESH	ritesh	1	F		5
Q2064-01	RW8-SP100-70-20250514	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	B		6
Q2064-04	RW8-SP303-70-20250514	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	B		7
Q2064-05	RW8-SP100-90-20250514	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	B		8
Q2064-08	RW8-SP303-90-20250514	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	B		9
Q2065-01	VACTRUCK-728068	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	N		10
Q2067-01	303-PPR-FRAC	SVOC-TCL BNA -20	970	6	RUPESH	ritesh	1	N		11
Q2068-03	LAW-25-0074	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	N		12



RS 5/19

* **Extracts relinquished on the same date as received.**

168048
8:42

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2033 **WorkList ID :** 189588 **Department :** Extraction **Date :** 05-19-2025 08:37:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2032-11	FB-05132025	Water	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	L41	05/13/2025	8270E
Q2033-01	TW-WTS-08	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L41	05/12/2025	8270E
Q2064-01	RW8-SP100-70-20250514	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	05/14/2025	8270E
Q2064-04	RW8-SP303-70-20250514	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	05/14/2025	8270E
Q2064-05	RW8-SP100-90-20250514	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	05/14/2025	8270E
Q2064-08	RW8-SP303-90-20250514	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	05/14/2025	8270E
Q2065-01	VACTRUCK-728068	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/16/2025	8270E
Q2067-01	303-PPR-FRAC	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/16/2025	8270E
Q2068-03	LAW-25-0074	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/16/2025	8270E

Date/Time 5/19/25 8:37
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/19/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q2064

Test : SVOC-TCL BNA -20

Prepbatch ID : PB168048,

Sequence ID/Qc Batch ID: BP052025,

Standard ID :
EP2609,EP2610,EP2611,SP6754,SP6757,SP6769,SP6770,SP6782,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3921,E3926,E3930,M6157,S10104,S10399,S10584,S11143,S11162,S11484,S11496,S11650,S11788,S11789,S11790,S11798,S11799,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12488,S12489,S12490,S12491,S12492,S12493,S12494,S12495,S12496,S12534,S12535,S12536,S12537,S12538,S12539,S12540,S12541,S12542,S12577,S12658,S12662,S12665,S12793,S12974,S12976,S12977,S12978,S12979,S12980,S12981,S12982,S12983,S13078,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6782	04/30/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 05/15/2025

FROM 0.10000ml of S12488 + 0.20000ml of S12534 + 0.20000ml of S12983 + 0.40000ml of S10399 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11484 + 0.40000ml of S11650 + 0.50000ml of S12542 + 0.80000ml of S12974 + 1.00000ml of S12496 + 1.10000ml of S11789 + 1.10000ml of S12492 + 1.20000ml of S11799 + 1.20000ml of S12491 + 1.20000ml of S12493 + 1.20000ml of S12976 + 1.20000ml of S12980 + 1.20000ml of S12982 + 1.30000ml of S11798 + 1.30000ml of S12490 + 1.30000ml of S12495 + 1.30000ml of S12535 + 1.30000ml of S12537 + 1.30000ml of S12538 + 1.30000ml of S12540 + 1.30000ml of S12541 + 1.30000ml of S12979 + 1.30000ml of S12981 + 1.40000ml of S11790 + 1.40000ml of S12489 + 1.40000ml of S12494 + 1.40000ml of S12536 + 1.40000ml of S12539 + 1.40000ml of S12977 + 1.40000ml of S12978 + 163.00000ml of E3921 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	6789	09/24/2025	03/14/2025 / Rajesh	03/13/2025 / Rajesh	E3921

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	04/30/2025 / Rahul	05/18/2022 / Christian	S10399

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

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	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	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 #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/25/2025	04/25/2025 / Jagrut	11/21/2023 / Rahul	S11789

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/30/2025	04/30/2025 / Rahul	11/21/2023 / Rahul	S11790

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/25/2025	04/25/2025 / Jagrut	07/23/2024 / RAHUL	S12488

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12489

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12490

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12491

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12492

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12493

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12494

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12495

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12496

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	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	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12535

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12536

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12537

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12538

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12539

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12540

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12541

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	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	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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	11/16/2025	05/16/2025 / Rahul	09/20/2024 / anahy	S12665

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	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 #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12978

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	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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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.

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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

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isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

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:

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:

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

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CP 64070
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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.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK

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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

511649 ↓ 511658 Y.P. 11/13/23

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

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

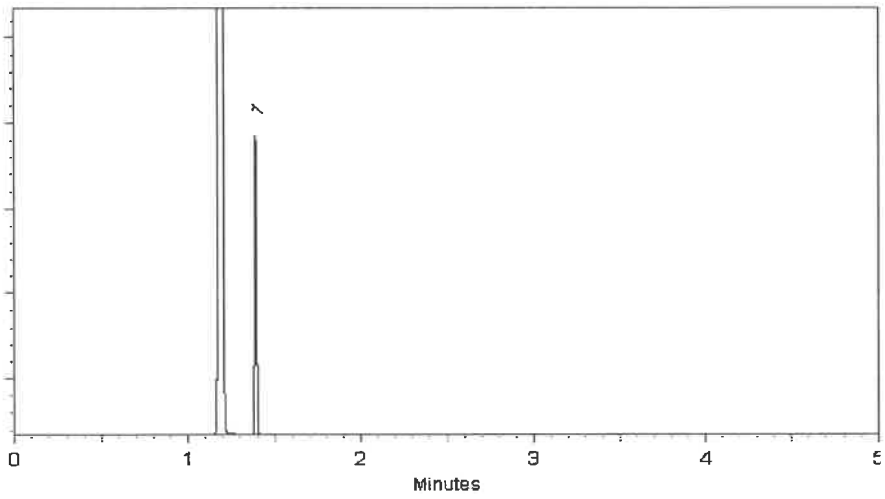
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

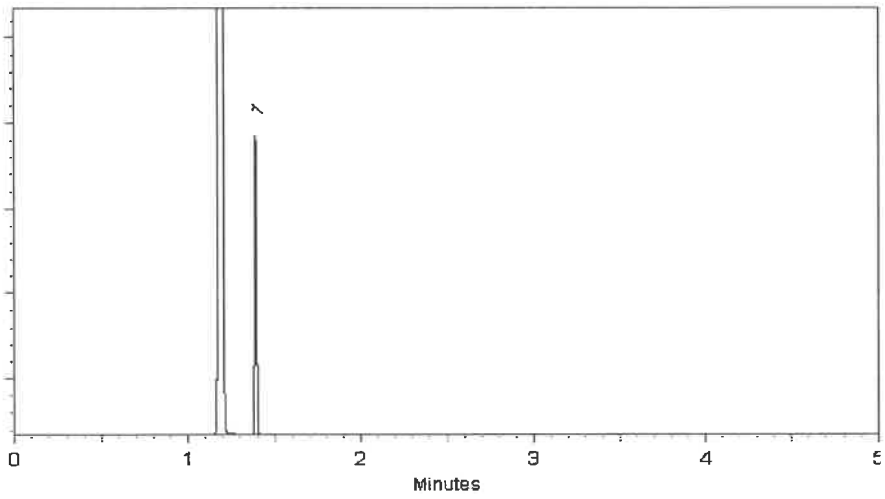
Inj. Temp:
250°C

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:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

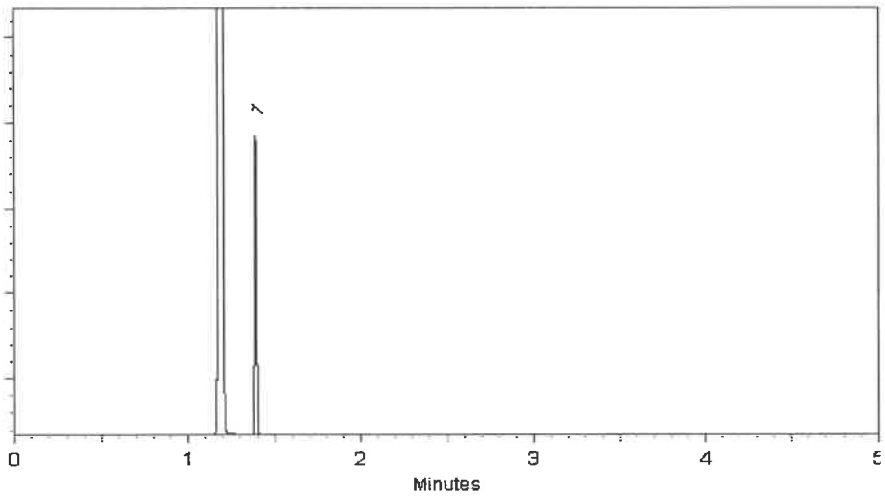
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

S11795 ↓ S11808 RC 11/30/23

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

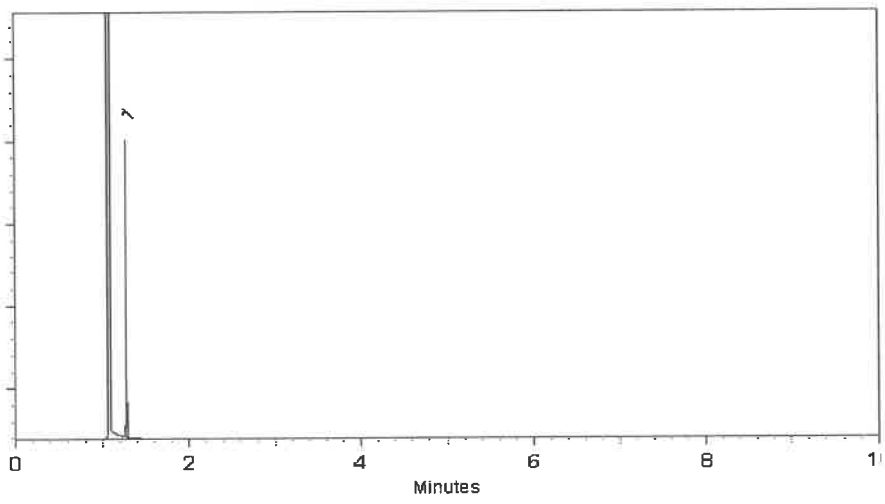
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31853 **Lot No.:** A0200655

S11795 ↓ S11808 RC 11/30/23

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

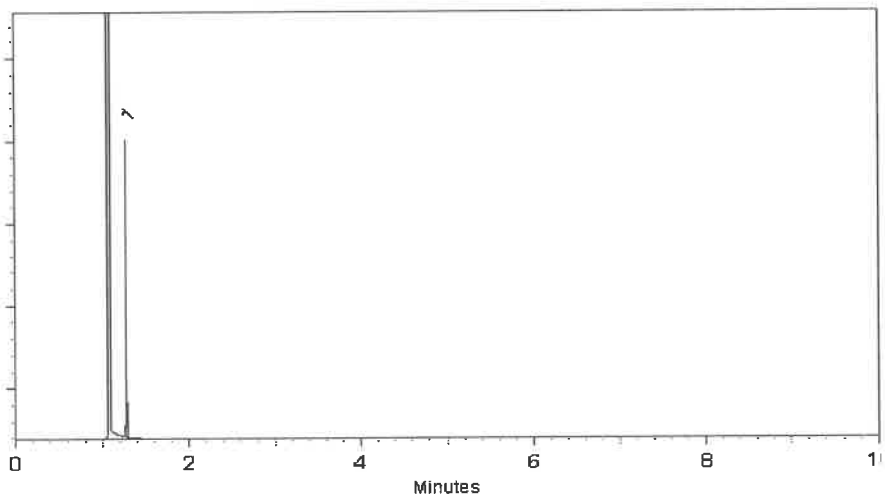
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

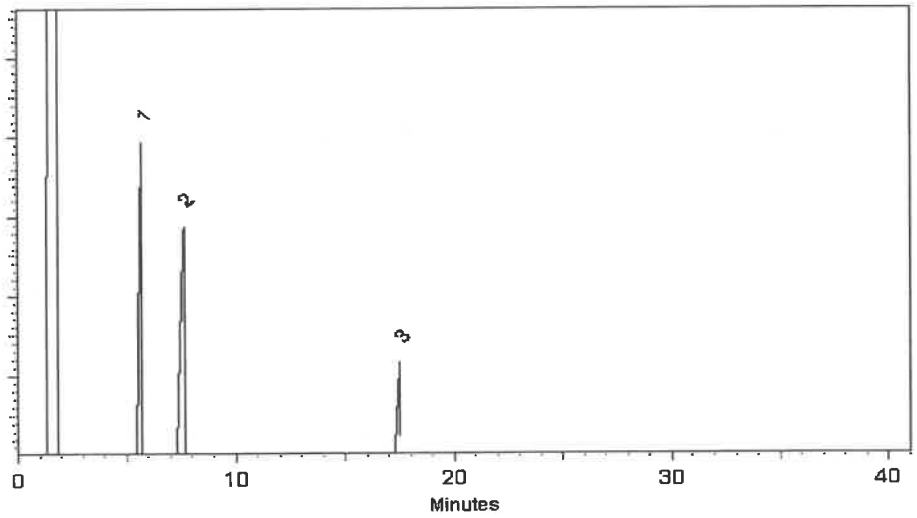
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

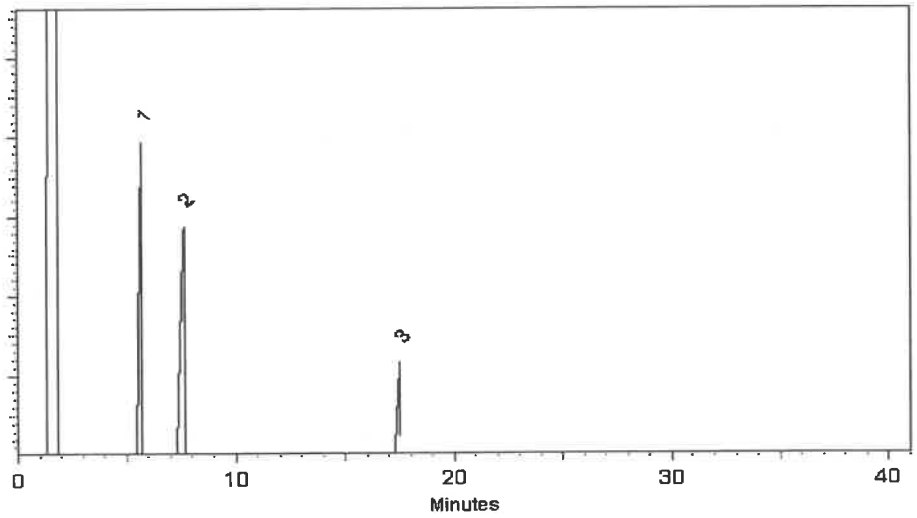
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

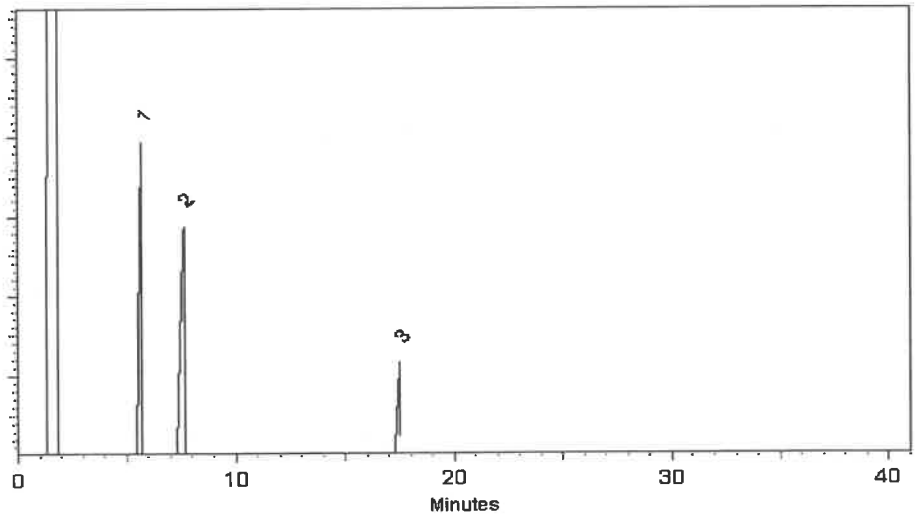
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
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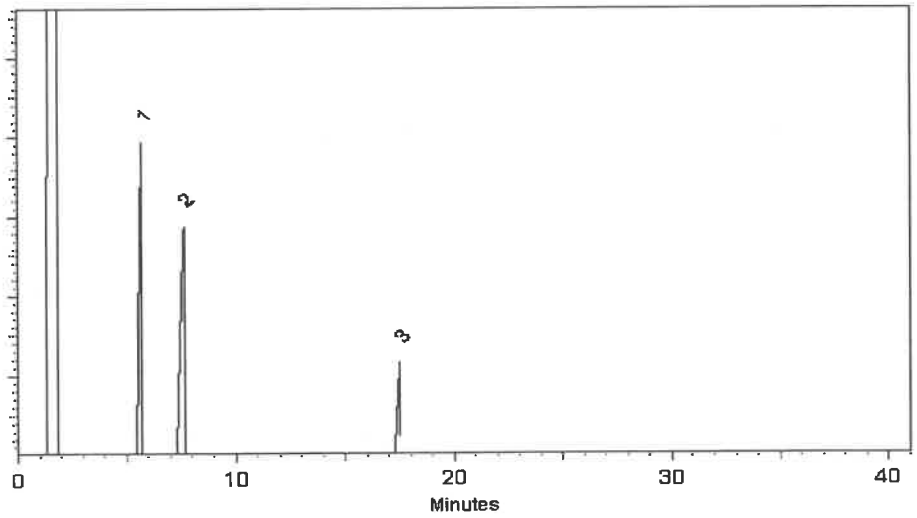
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
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Det. Type:
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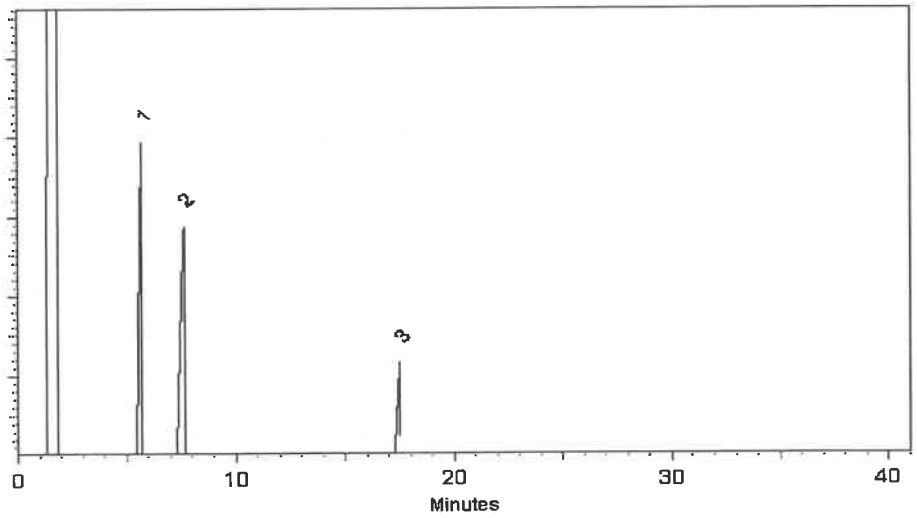
Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

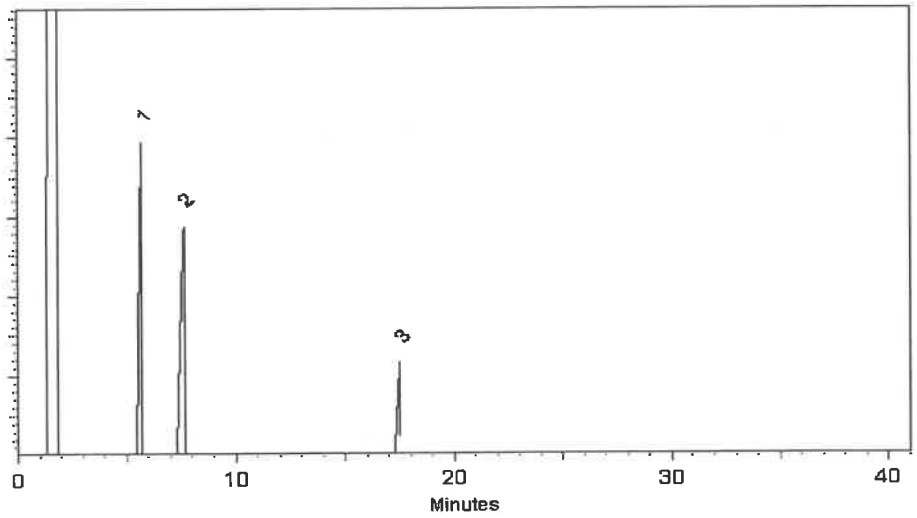
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

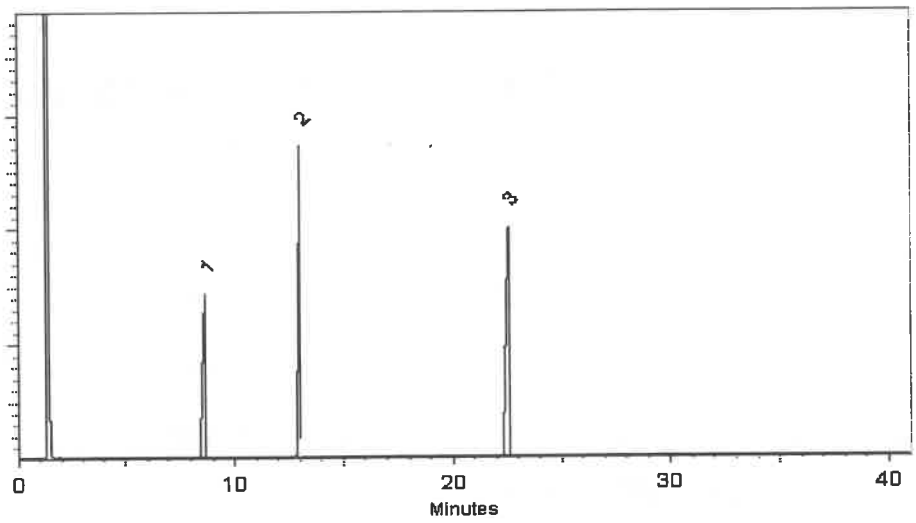
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
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Det. Temp:
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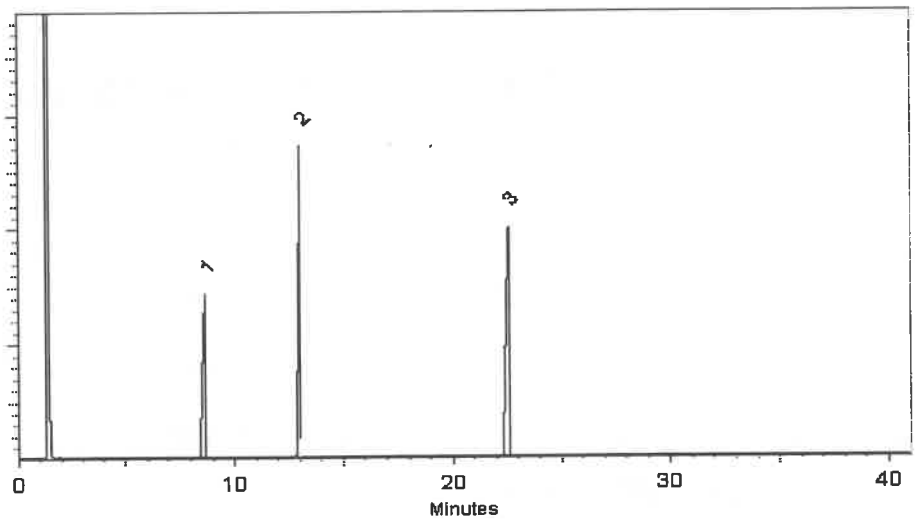
Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jennifer Pollino - Operations Tech III - ARM QC

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
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3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

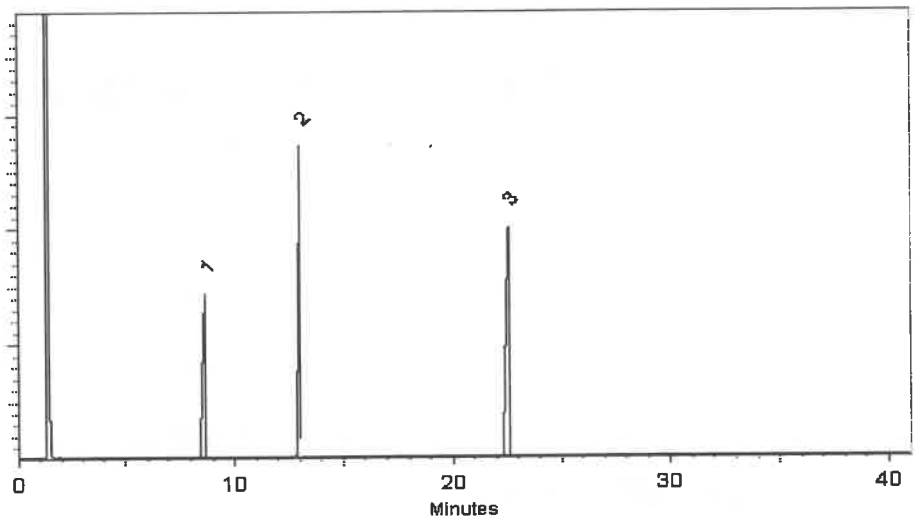
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
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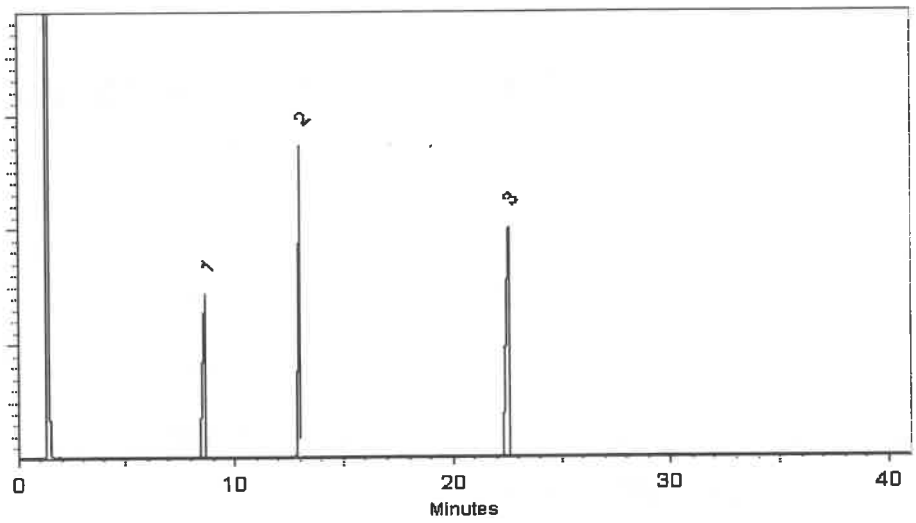
Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

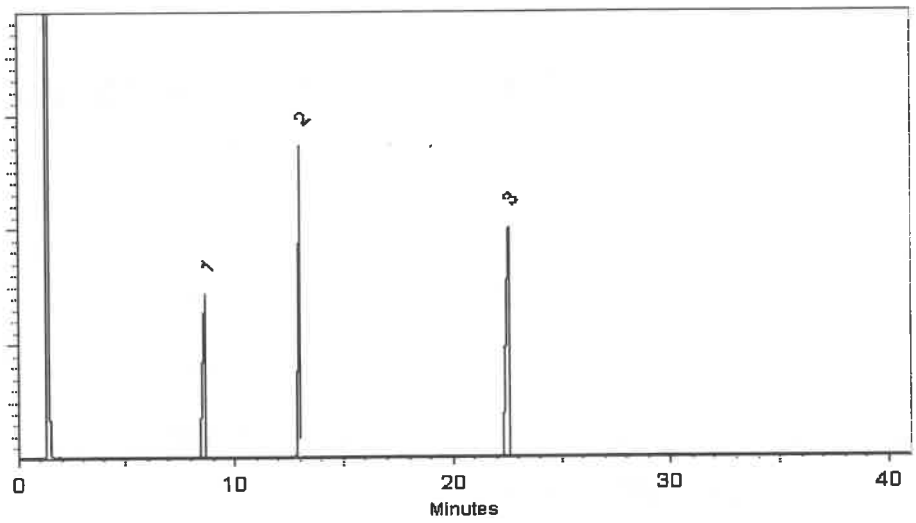
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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)
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* 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:
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Det. Type:
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Split Vent:
2 ml/min.

Inj. Vol
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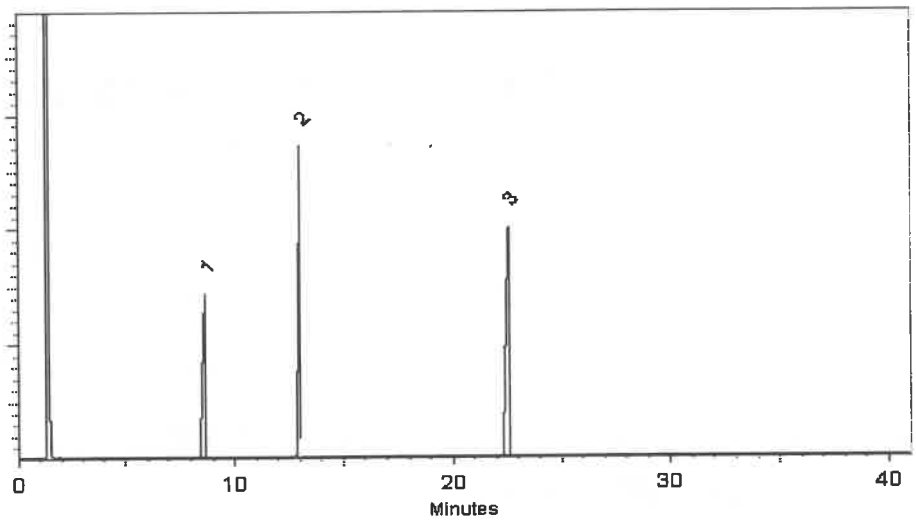

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Inj. Temp:
250°C

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Split Vent:
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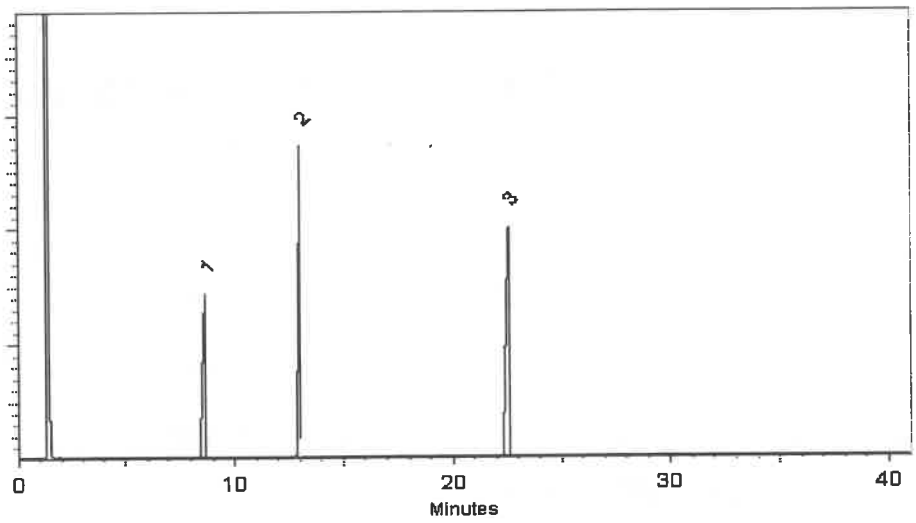

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Date Passed: 11-Jan-2024

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

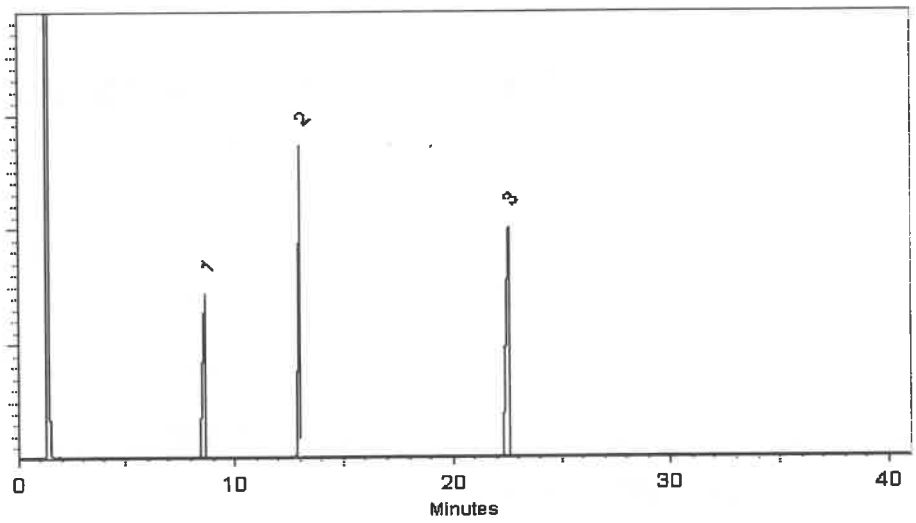
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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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 gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Purity 99%

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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.

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chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

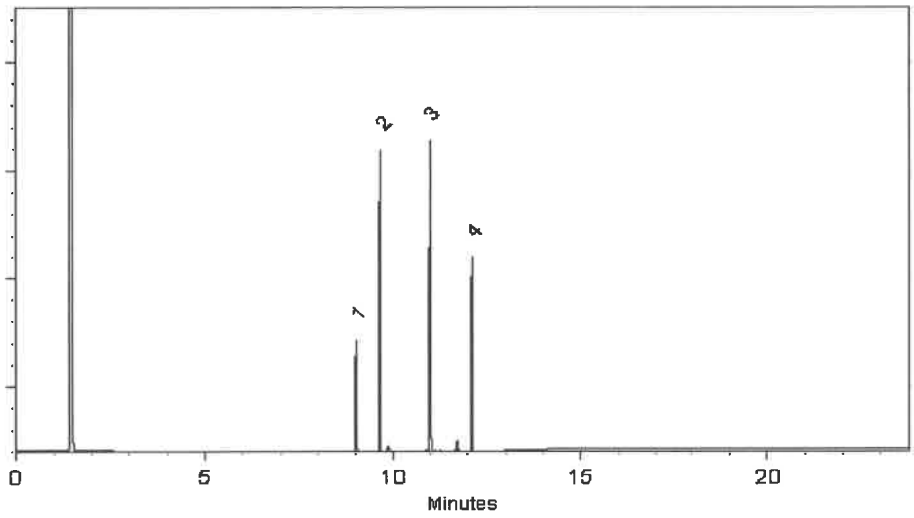
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Bellefonte, PA 16823-8812
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chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

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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
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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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q2069

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: RW8
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie,wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ RESEULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other
- ❑ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
1,4-Dioxane SW846 8270 SIM	TAL Metals SW846 6010D/7471A	TCL SVOCS SW846 8270						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9
									B							
1.	RW8-SP100-70%-20250514	GW		x	5/14/25	15:10	3	x	x	x						
2.	RW8-SP201-70%-20250514	GW		x	5/14/25	15:11	1	x								
3.	RW8-SP301-70%-20250514	GW		x	5/14/25	15:13	1	x								
4.	RW8-SP303-70%-20250514	GW		x	5/14/25	15:14	3	x	x	x						
5.	RW8-SP100-90%-20250514	GW		x	5/14/25	16:00	3	x	x	x						
6.	RW8-SP201-90%-20250514	GW		x	5/14/25	16:01	1	x								
7.	RW8-SP301-90%-20250514	GW		x	5/14/25	16:03	1	x								
8.	RW8-SP303-90%-20250514	GW		x	5/14/25	16:04	3	x	x	x						
9.																
10.																

COMMENTS
<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	5/15/25 1200	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.	5/16/25 1005	2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ❑ Compliant ❑ Non Compliant ❑ Cooler Temp 3.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid ❑ Ice in Cooler? Yes
Comments:

Page ____ of ____

SHIPPED VIA: CLIENT: ❑ Hand Delivered ❑ Overnight
CHEMTECH: ❑ Picked Up ❑ Overnight

Shipment Complete
❑ YES ❑ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	90088	20.000	ng		0.00
21) Naphthalene-d8	10.434	136	378055	20.000	ng		0.00
39) Acenaphthene-d10	14.293	164	254561	20.000	ng		-0.01
64) Phenanthrene-d10	17.092	188	531548	20.000	ng		0.00
76) Chrysene-d12	21.522	240	614288	20.000	ng		0.00
86) Perylene-d12	24.810	264	724260	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	51093	9.700	ng		0.00
7) Phenol-d6	6.858	99	58619	8.720	ng		0.00
23) Nitrobenzene-d5	8.811	82	72056	9.630	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	41219	9.551	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	203719	10.485	ng		0.00
79) Terphenyl-d14	19.822	244	366245	10.223	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	14435	5.836	ng		95
3) Pyridine	3.646	79	23737	4.328	ng	#	91
4) n-Nitrosodimethylamine	3.546	42	12080	4.989	ng	#	96
6) Aniline	7.011	93	38664	4.455	ng		97
8) 2-Chlorophenol	7.240	128	27022	4.519	ng		93
9) Benzaldehyde	6.828	77	23920	5.506	ng		93
10) Phenol	6.887	94	30912	4.455	ng		98
11) bis(2-Chloroethyl)ether	7.099	93	29668	5.204	ng		97
12) 1,3-Dichlorobenzene	7.552	146	35946	5.225	ng		96
13) 1,4-Dichlorobenzene	7.699	146	35091	5.072	ng		95
14) 1,2-Dichlorobenzene	8.011	146	34458	5.111	ng		99
15) Benzyl Alcohol	7.917	79	19888	3.893	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.193	45	34754	5.090	ng		95
17) 2-Methylphenol	8.116	107	21754	4.371	ng		97
18) Hexachloroethane	8.728	117	13650	5.148	ng		96
19) n-Nitroso-di-n-propyla...	8.464	70	22015	4.734	ng		98
20) 3+4-Methylphenols	8.452	107	27500	4.063	ng		97
22) Acetophenone	8.487	105	45968	4.868	ng	#	99
24) Nitrobenzene	8.852	77	31500	4.784	ng		97
25) Isophorone	9.375	82	60855	4.689	ng		98
26) 2-Nitrophenol	9.569	139	12786	3.963	ng		95
27) 2,4-Dimethylphenol	9.628	122	25830	4.541	ng		92
28) bis(2-Chloroethoxy)met...	9.858	93	38071	4.910	ng		97
29) 2,4-Dichlorophenol	10.122	162	23623	4.285	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	32699	5.264	ng		99
31) Naphthalene	10.481	128	100564	5.133	ng		100
32) Benzoic acid	9.787	122	1450	7.094	ng	#	86
33) 4-Chloroaniline	10.616	127	32908	4.163	ng		99
34) Hexachlorobutadiene	10.763	225	21834	5.426	ng		95
35) Caprolactam	11.399	113	6817	3.420	ng	#	79
36) 4-Chloro-3-methylphenol	11.746	107	29849	4.440	ng		95
37) 2-Methylnaphthalene	12.099	142	63562	5.011	ng		99
38) 1-Methylnaphthalene	12.316	142	70043	5.160	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	37738	5.105	ng		99
41) Hexachlorocyclopentadiene	12.446	237	15939	3.556	ng		93
43) 2,4,6-Trichlorophenol	12.722	196	19429	4.058	ng		92

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.816	196	23918	4.488	ng		93
46) 1,1'-Biphenyl	13.116	154	96956	5.153	ng		98
47) 2-Chloronaphthalene	13.157	162	72977	5.087	ng		99
48) 2-Nitroaniline	13.381	65	17778	4.186	ng		98
49) Acenaphthylene	14.010	152	117448	4.892	ng		99
50) Dimethylphthalate	13.751	163	99940	5.151	ng		100
51) 2,6-Dinitrotoluene	13.869	165	19052	4.649	ng	#	85
52) Acenaphthene	14.357	154	70302	5.094	ng		96
53) 3-Nitroaniline	14.222	138	16400	3.920	ng		97
54) 2,4-Dinitrophenol	14.451	184	4700	8.074	ng		95
55) Dibenzofuran	14.698	168	115180	5.232	ng		98
56) 4-Nitrophenol	14.599	139	2698	4.940	ng		86
57) 2,4-Dinitrotoluene	14.675	165	25481	4.411	ng		92
58) Fluorene	15.363	166	93303	5.198	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.946	232	23382	4.729	ng		98
60) Diethylphthalate	15.134	149	101366	5.169	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	47886	5.349	ng		98
62) 4-Nitroaniline	15.410	138	10984	2.696	ng		99
63) Azobenzene	15.651	77	84462	5.035	ng		99
65) 4,6-Dinitro-2-methylph...	15.463	198	10171	2.962	ng		89
66) n-Nitrosodiphenylamine	15.575	169	80078	4.905	ng		99
67) 4-Bromophenyl-phenylether	16.275	248	30702	4.902	ng		97
68) Hexachlorobenzene	16.387	284	40234	5.055	ng		99
69) Atrazine	16.551	200	27909	4.664	ng		98
70) Pentachlorophenol	16.757	266	16456	3.681	ng		95
71) Phenanthrene	17.134	178	152030	5.145	ng		99
72) Anthracene	17.234	178	145809	4.904	ng		99
73) Carbazole	17.522	167	122666	4.559	ng		98
74) Di-n-butylphthalate	18.104	149	157014	4.537	ng		99
75) Fluoranthene	19.228	202	168865	4.889	ng		99
77) Benzidine	19.451	184	32514	1.928	ng		98
78) Pyrene	19.604	202	181817	4.940	ng		99
80) Butylbenzylphthalate	20.551	149	70341	4.297	ng		100
81) Benzo(a)anthracene	21.498	228	192110	4.981	ng		99
82) 3,3'-Dichlorobenzidine	21.445	252	54793	3.825	ng		99
83) Chrysene	21.575	228	186449	5.099	ng		99
84) Bis(2-ethylhexyl)phtha...	21.445	149	103286	4.293	ng		97
85) Di-n-octyl phthalate	22.692	149	160883	4.089	ng		99
87) Indeno(1,2,3-cd)pyrene	28.504	276	242814	4.591	ng	#	87
88) Benzo(b)fluoranthene	23.763	252	186058	4.488	ng		97
89) Benzo(k)fluoranthene	23.839	252	207645	4.861	ng		100
90) Benzo(a)pyrene	24.657	252	180157	4.525	ng		99
91) Dibenzo(a,h)anthracene	28.586	278	193373	4.495	ng		98
92) Benzo(g,h,i)perylene	29.651	276	199361	4.660	ng		98

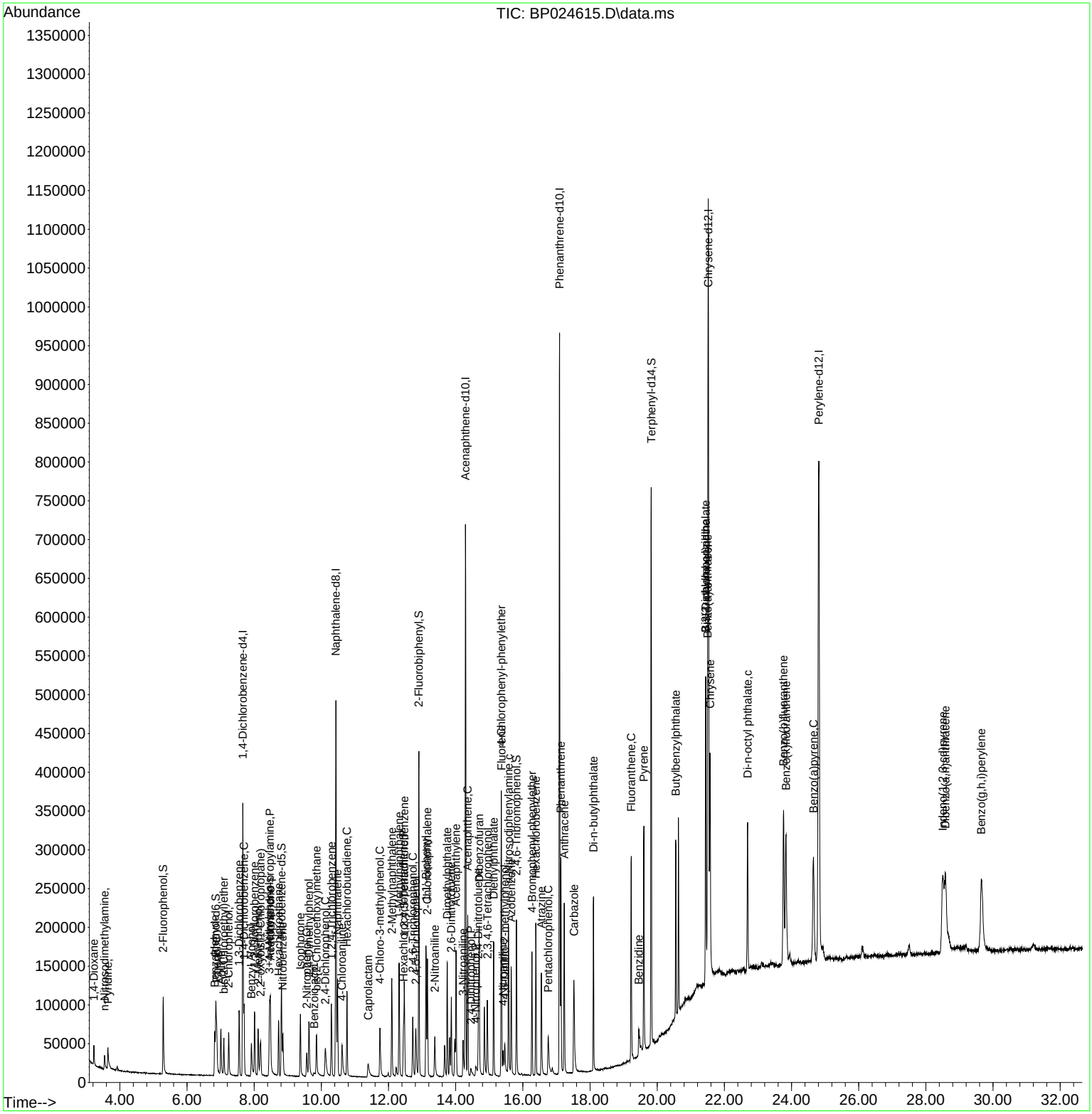
(#) = qualifier out of range (m) = manual integration (+) = signals summed

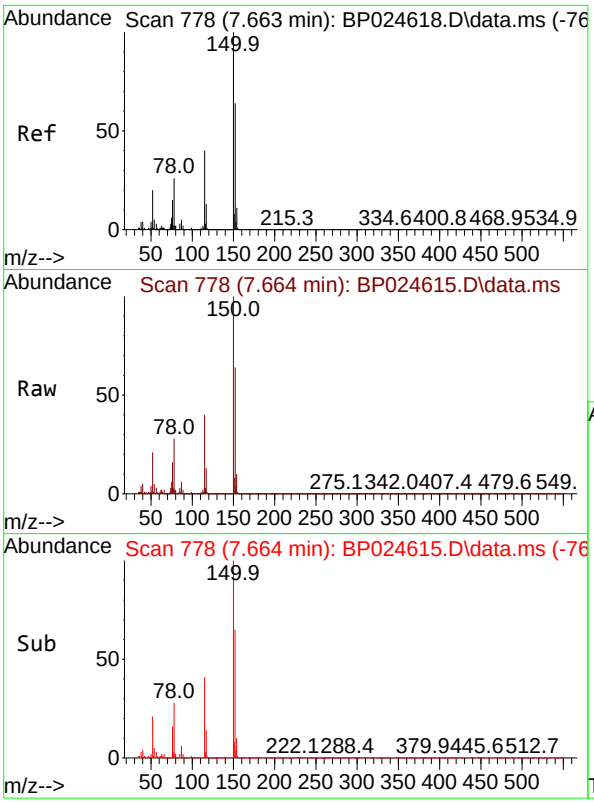
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



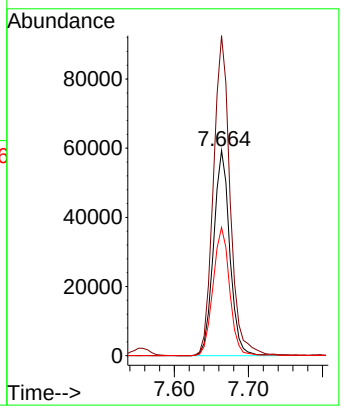


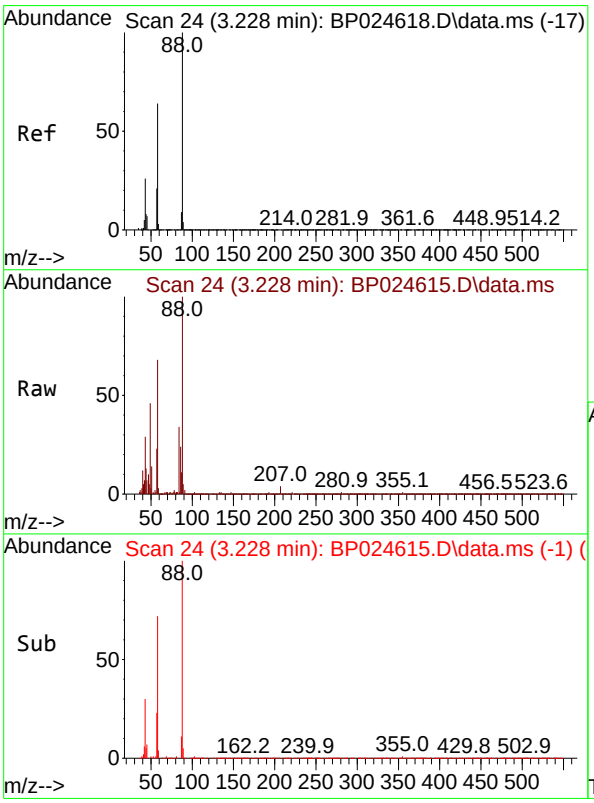
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 90088

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.5	50.1	75.1

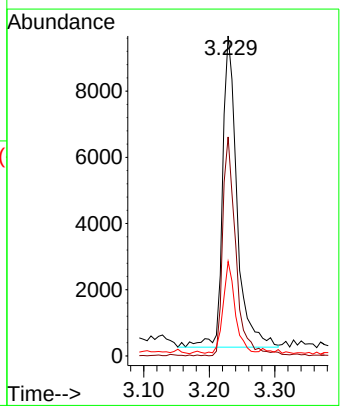


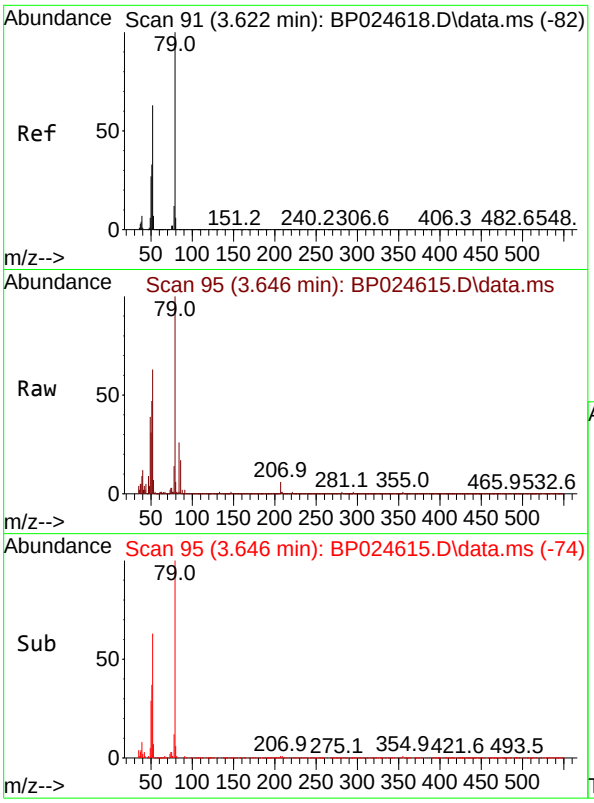


#2
1,4-Dioxane
Concen: 5.836 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 88 Resp: 14435

Ion	Ratio	Lower	Upper
88	100		
58	63.6	54.0	81.0
43	24.2	21.4	32.0



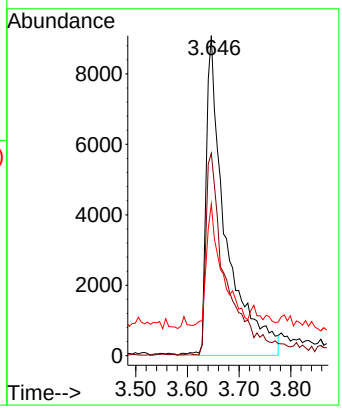


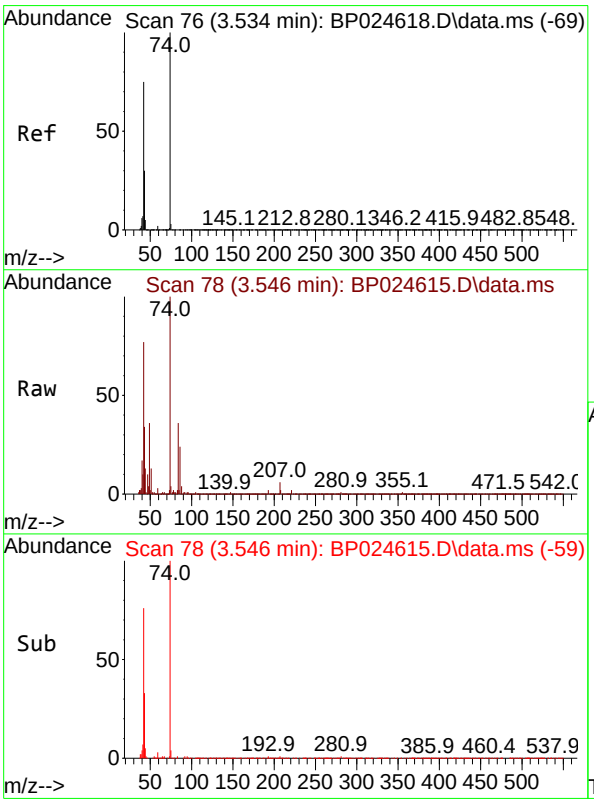
#3
Pyridine
Concen: 4.328 ng
RT: 3.646 min Scan# 9
Delta R.T. 0.024 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23737

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.2	75.2
51	47.4	26.8	40.2#

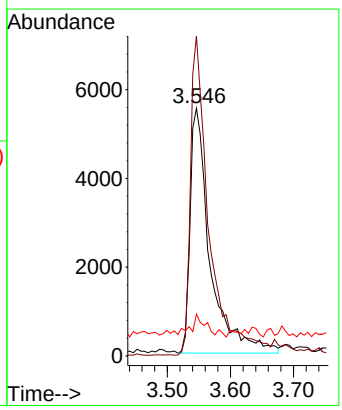


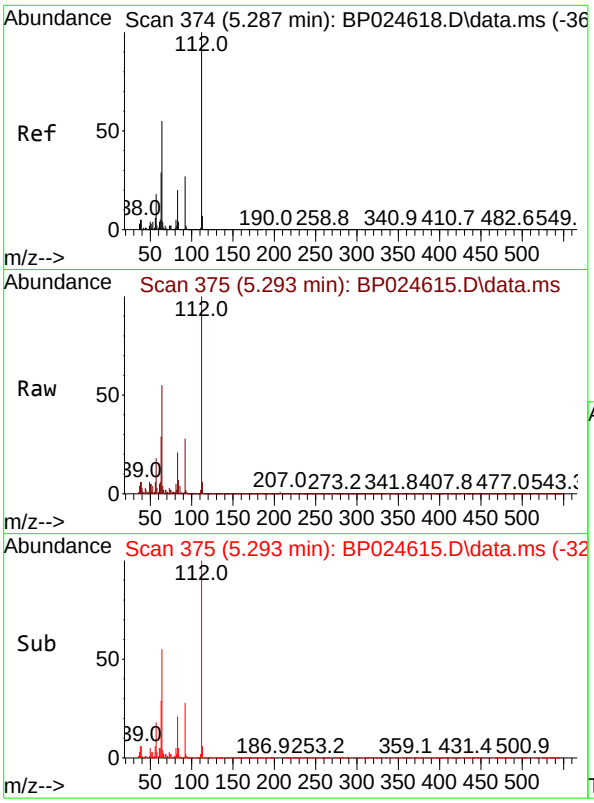


#4
n-Nitrosodimethylamine
Concen: 4.989 ng
RT: 3.546 min Scan# 78
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 42 Resp: 12080

Ion	Ratio	Lower	Upper
42	100		
74	129.2	106.2	159.2
44	16.9	5.4	8.2#



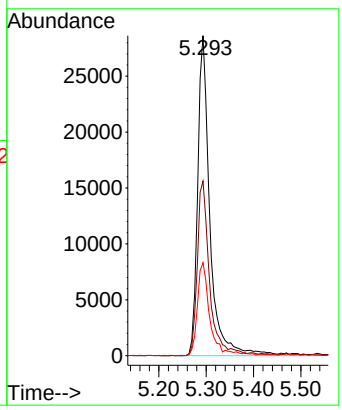


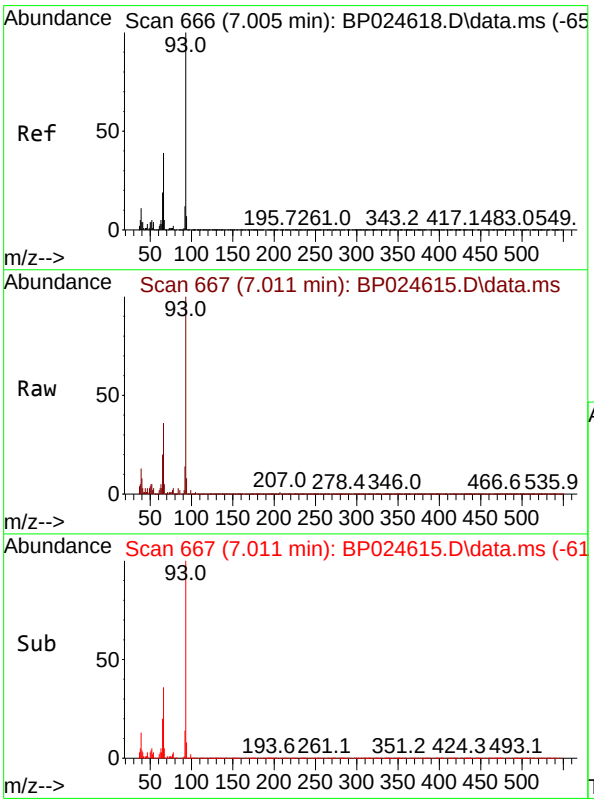
#5
2-Fluorophenol
Concen: 9.700 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 51093

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.1	23.5	35.3

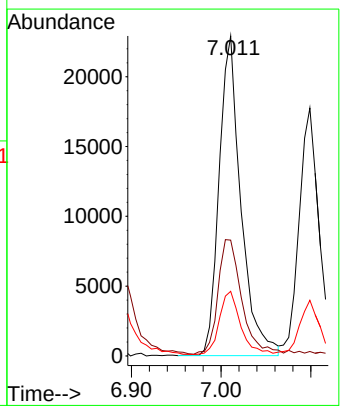


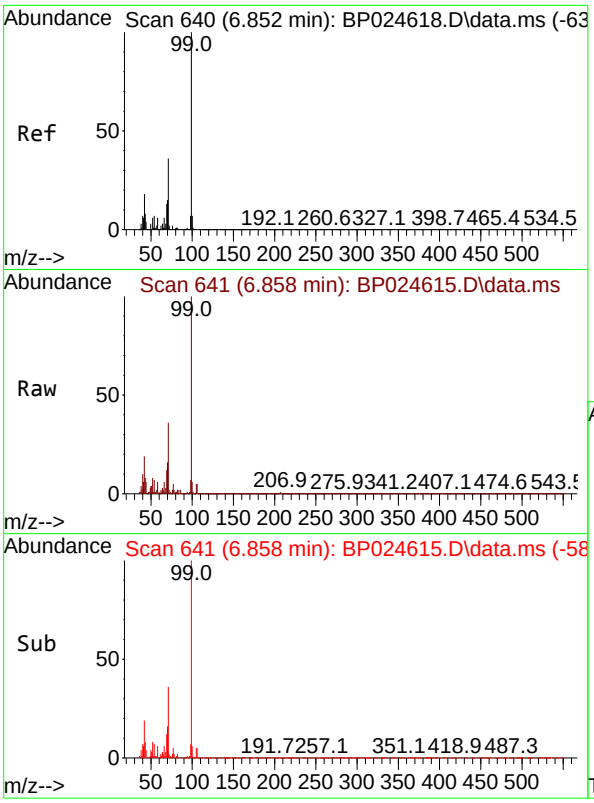


#6
Aniline
Concen: 4.455 ng
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38664

Ion	Ratio	Lower	Upper
93	100		
66	36.2	31.0	46.6
65	20.2	15.5	23.3



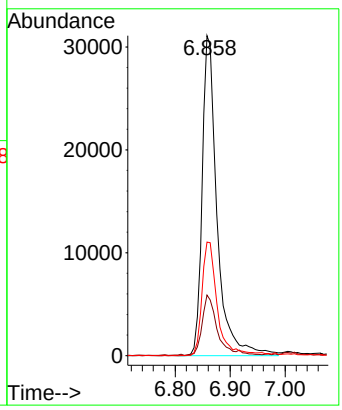


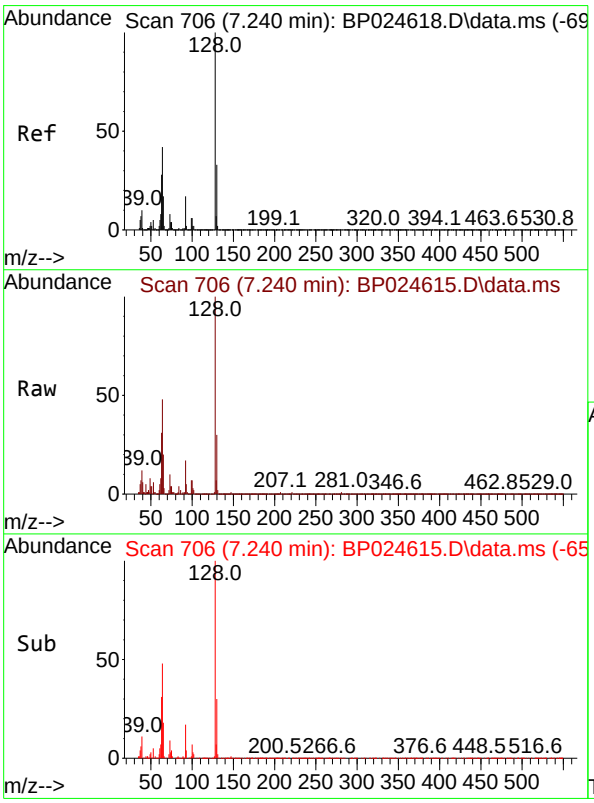
#7
Phenol-d6
Concen: 8.720 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 58619

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.4	21.6
71	35.5	29.2	43.8

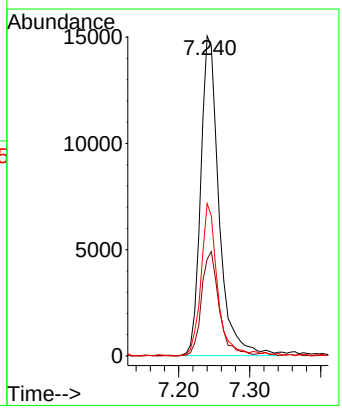


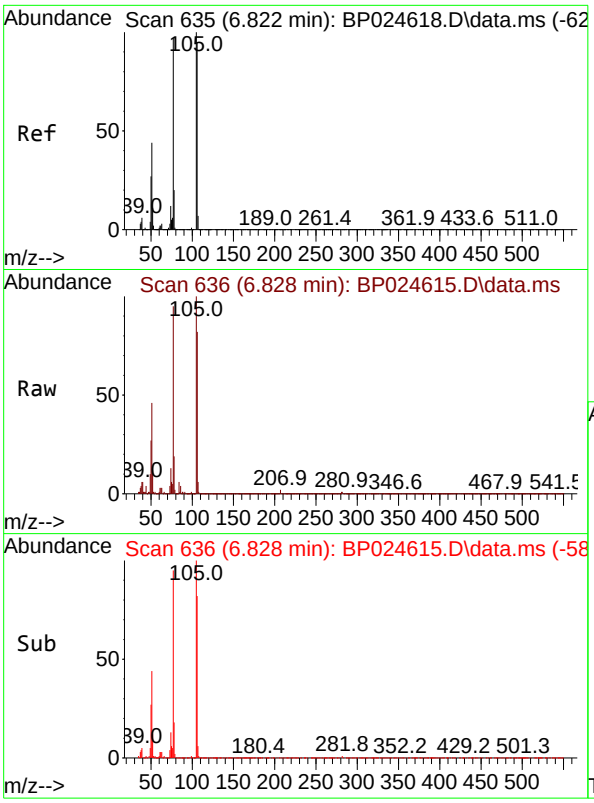


#8
2-Chlorophenol
Concen: 4.519 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 27022

Ion	Ratio	Lower	Upper
128	100		
130	30.3	13.0	53.0
64	47.6	22.3	62.3



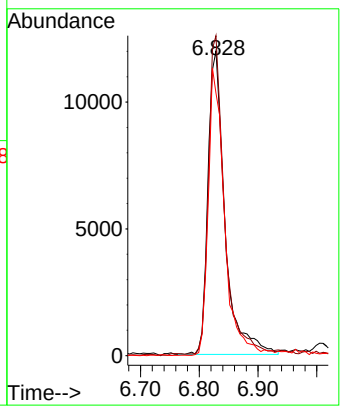


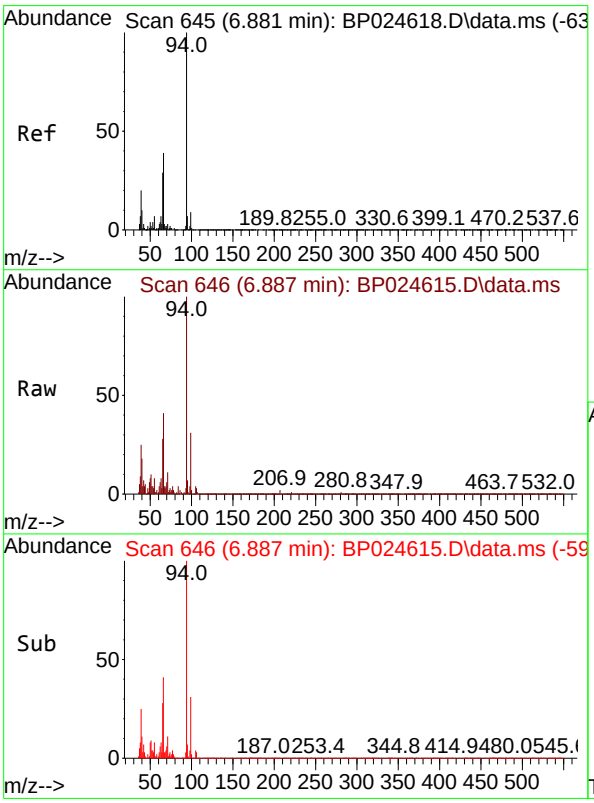
#9
Benzaldehyde
Concen: 5.506 ng
RT: 6.828 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 23920

Ion	Ratio	Lower	Upper
77	100		
105	105.0	83.3	123.3
106	86.1	78.0	118.0

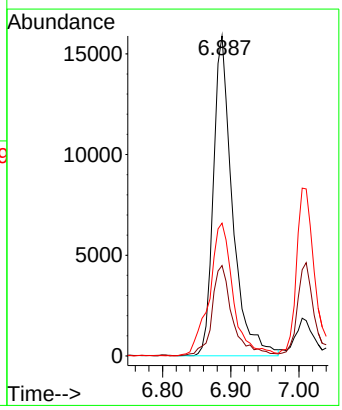


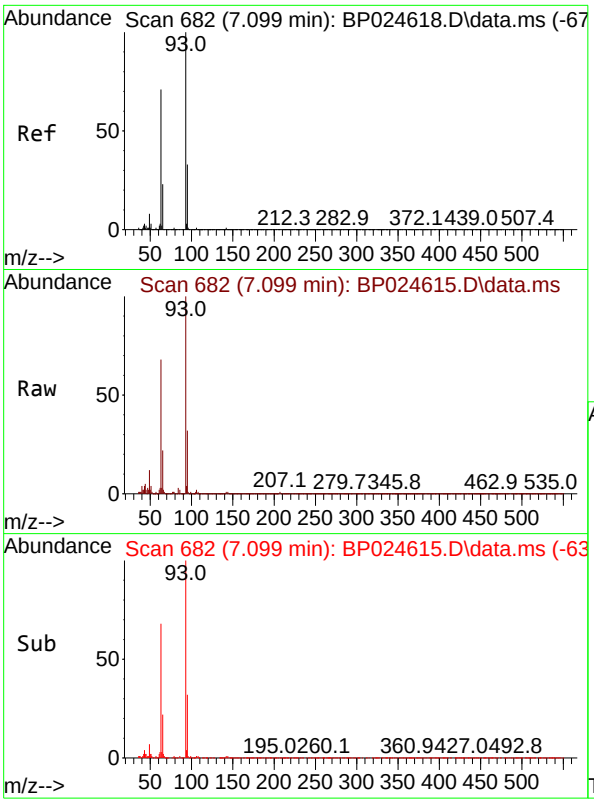


#10
Phenol
Concen: 4.455 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 94 Resp: 30912

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.7	48.7
66	41.5	19.4	59.4



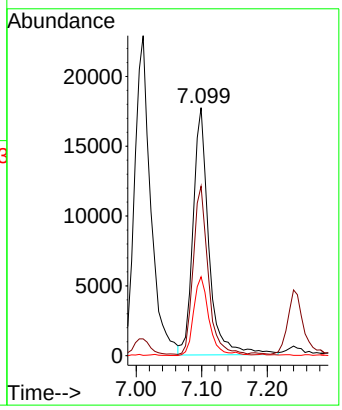


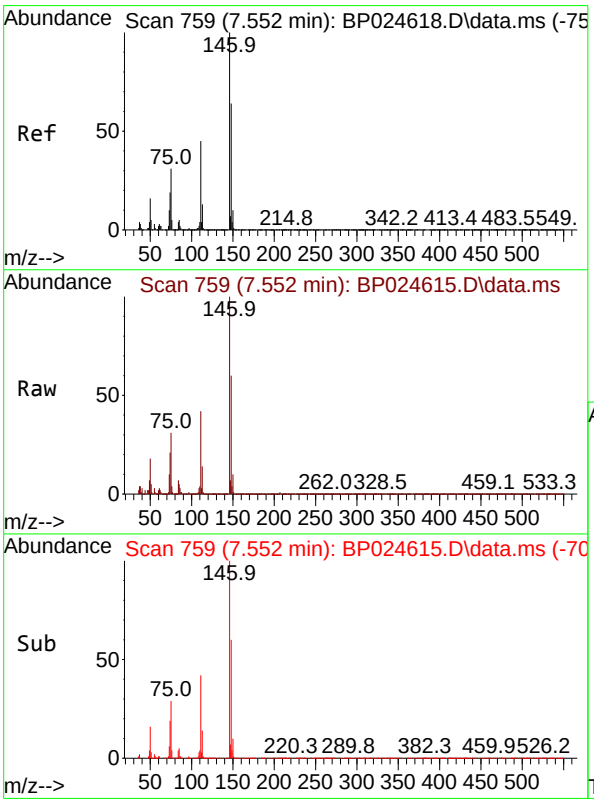
#11
bis(2-Chloroethyl)ether
Concen: 5.204 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 29668

Ion	Ratio	Lower	Upper
93	100		
63	68.3	50.6	90.6
95	31.8	12.9	52.9

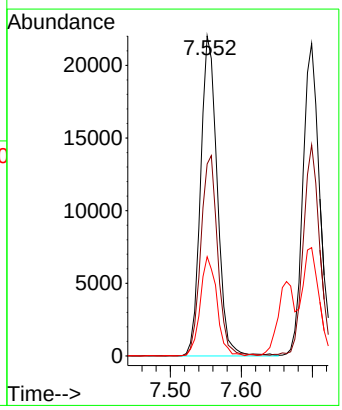


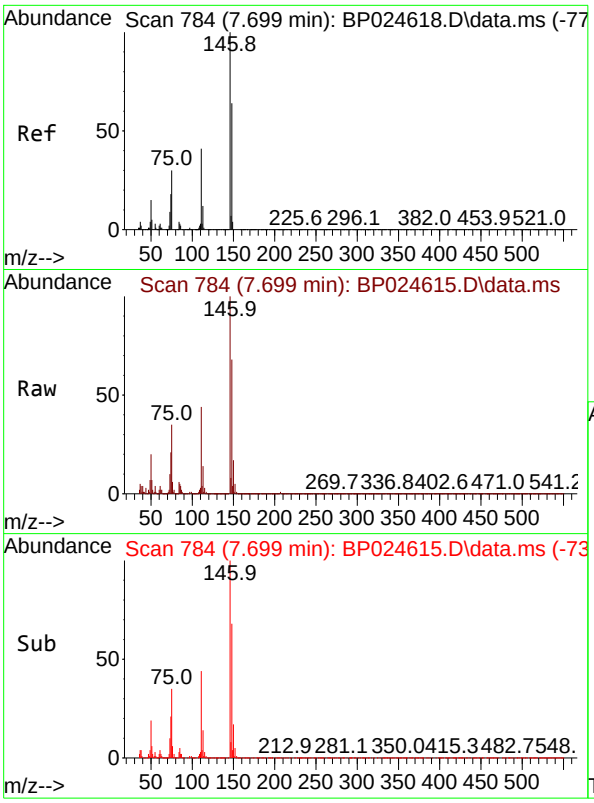


#12
1,3-Dichlorobenzene
Concen: 5.225 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 35946

Ion	Ratio	Lower	Upper
146	100		
148	60.0	51.4	77.2
75	31.0	25.2	37.8



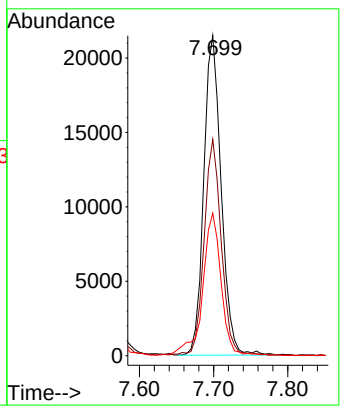


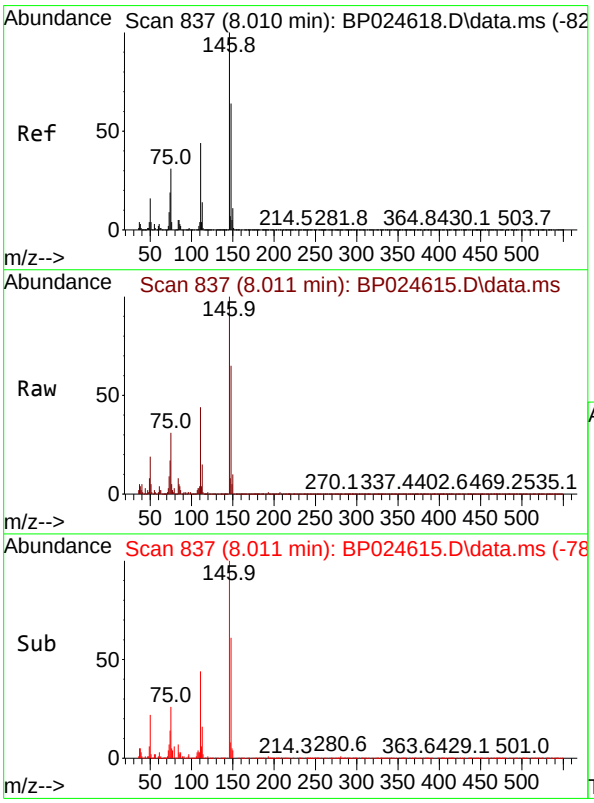
#13
1,4-Dichlorobenzene
Concen: 5.072 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 35091

Ion	Ratio	Lower	Upper
146	100		
148	67.6	51.0	76.6
111	44.5	33.0	49.6

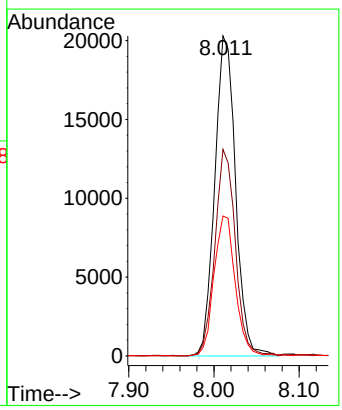


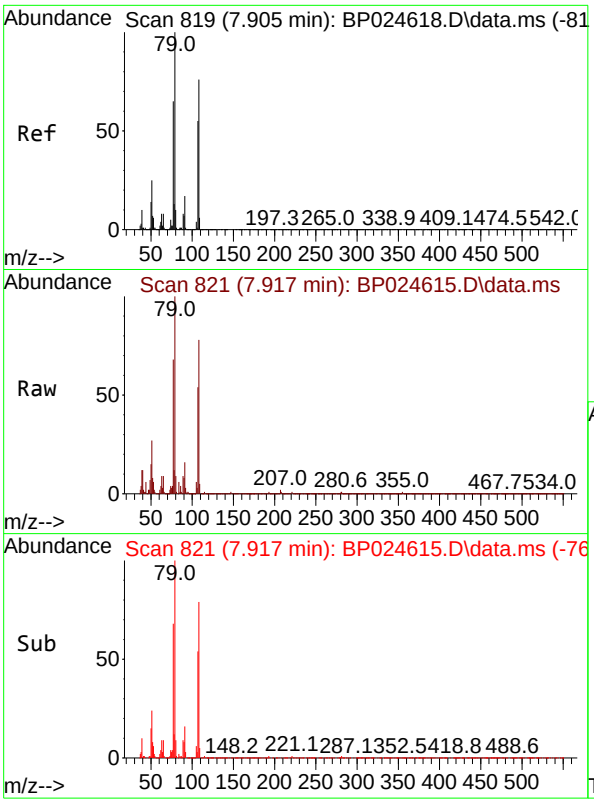


#14
1,2-Dichlorobenzene
Concen: 5.111 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 34458

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	43.7	35.2	52.8



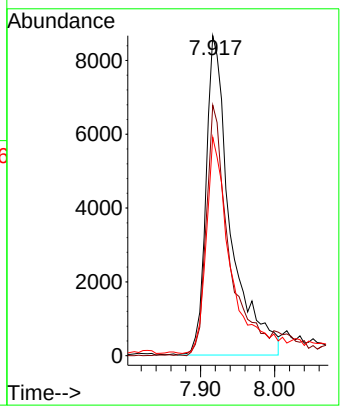


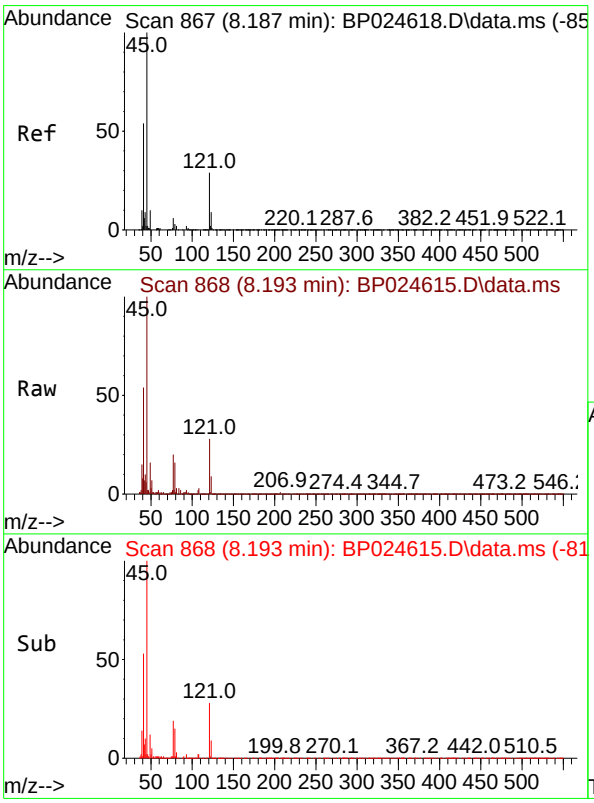
#15
Benzyl Alcohol
Concen: 3.893 ng
RT: 7.917 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 19888

Ion	Ratio	Lower	Upper
79	100		
108	78.3	60.8	91.2
77	68.2	51.9	77.9

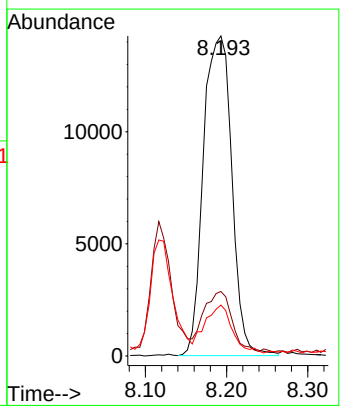


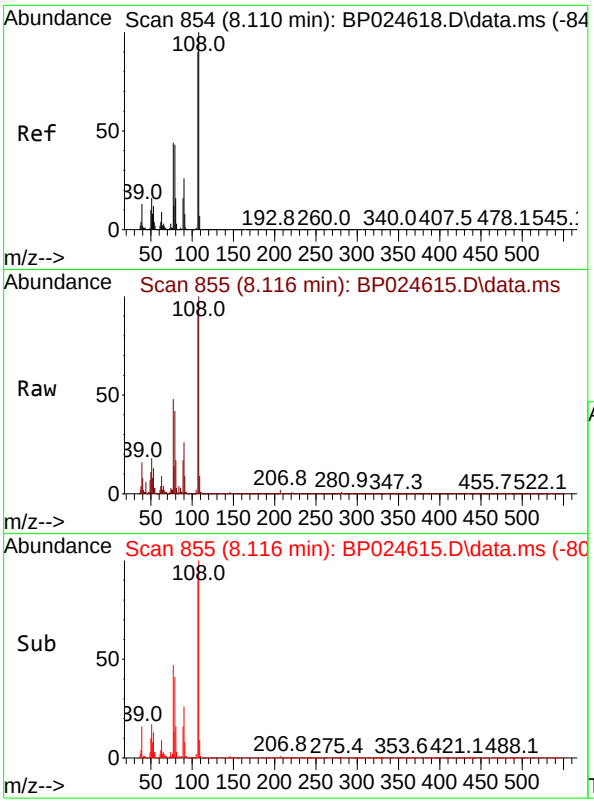


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.090 ng
RT: 8.193 min Scan# 868
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 45 Resp: 34754

Ion	Ratio	Lower	Upper
45	100		
77	20.2	0.0	37.7
79	15.9	0.0	34.0



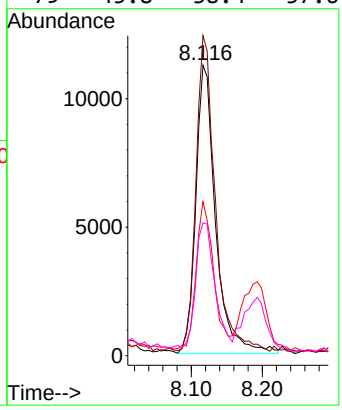


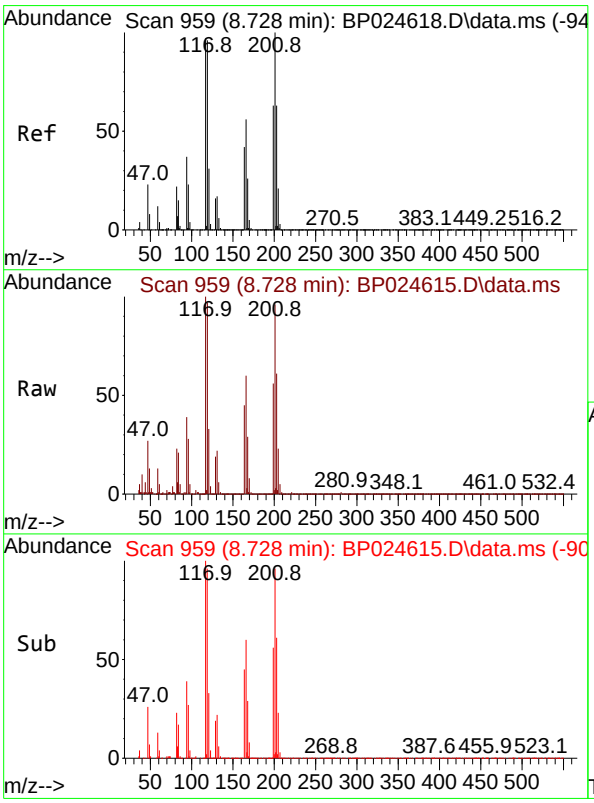
#17
2-Methylphenol
Concen: 4.371 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 21754

Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.9	133.3
77	53.0	39.0	58.6
79	45.8	38.4	57.6

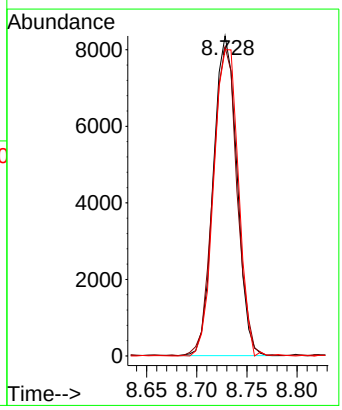


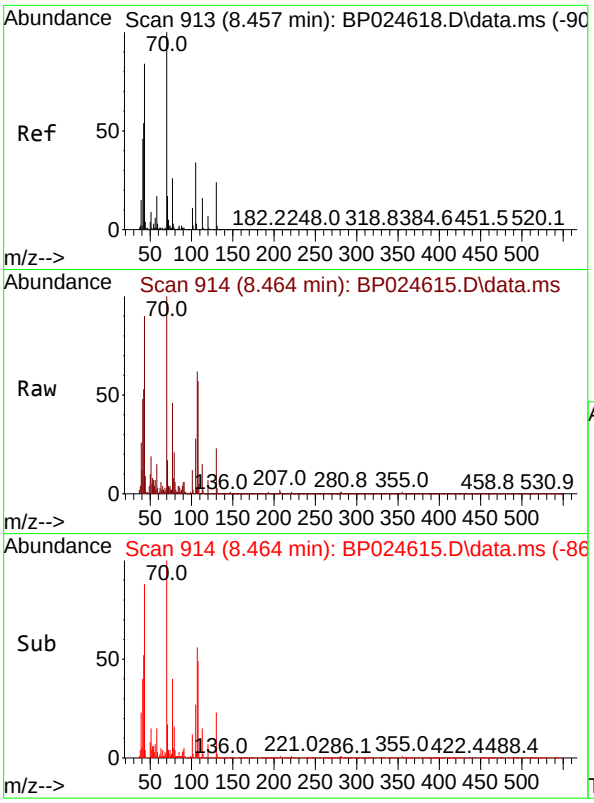


#18
Hexachloroethane
Concen: 5.148 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:117 Resp: 13650

Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.4	119.0
201	98.3	82.7	124.1



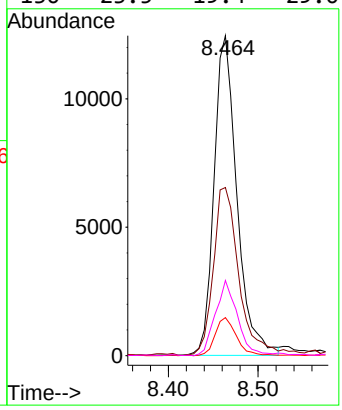


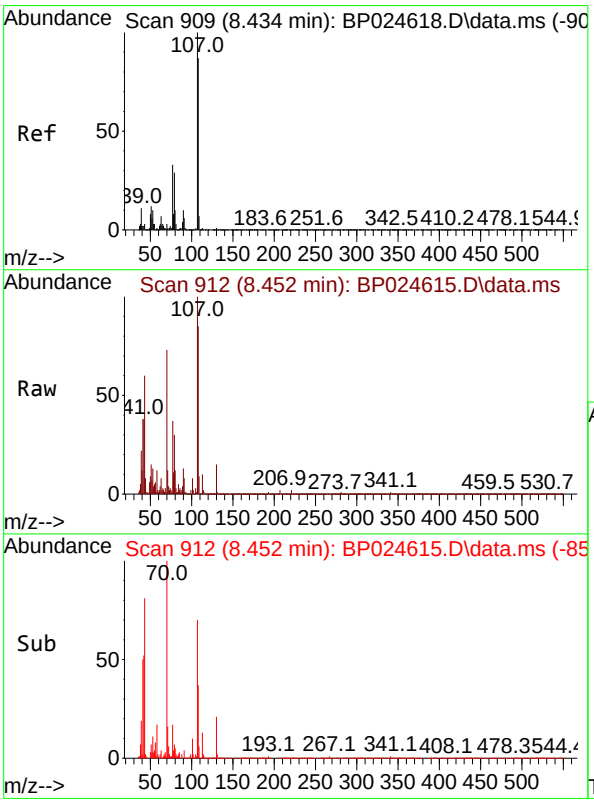
#19
n-Nitroso-di-n-propylamine
Concen: 4.734 ng
RT: 8.464 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 22015

Ion	Ratio	Lower	Upper
70	100		
42	52.6	43.0	64.6
101	11.9	8.7	13.1
130	23.5	19.4	29.0

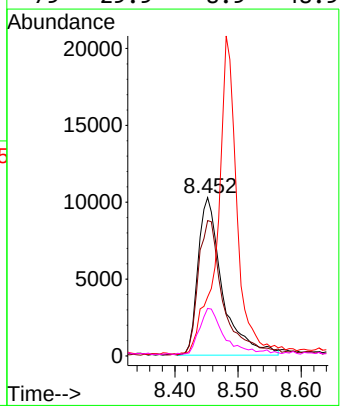


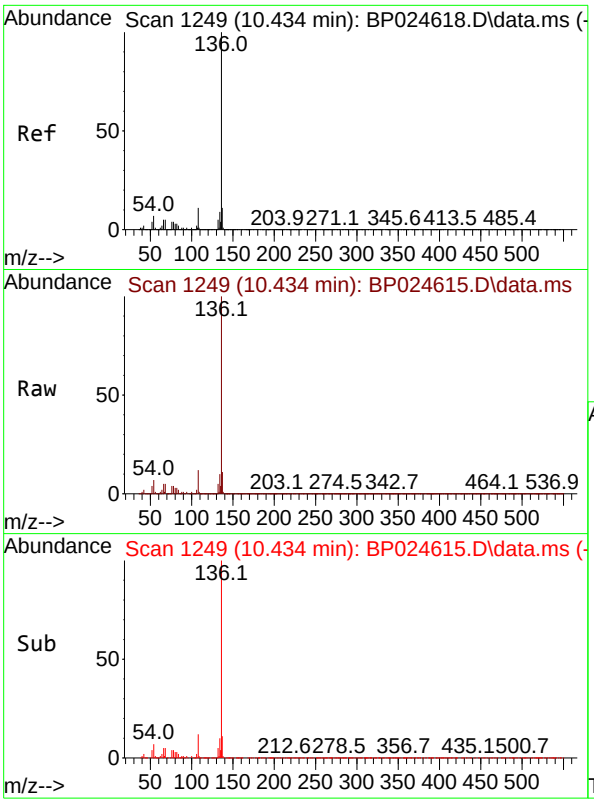


#20
3+4-Methylphenols
Concen: 4.063 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 27500

Ion	Ratio	Lower	Upper
107	100		
108	85.4	66.7	106.7
77	37.3	13.1	53.1
79	29.9	8.9	48.9



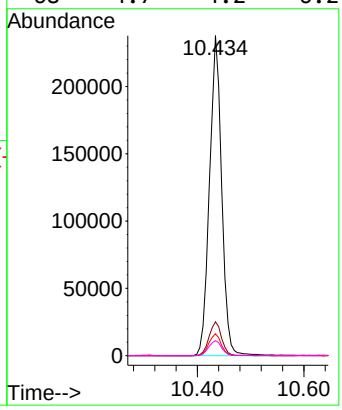


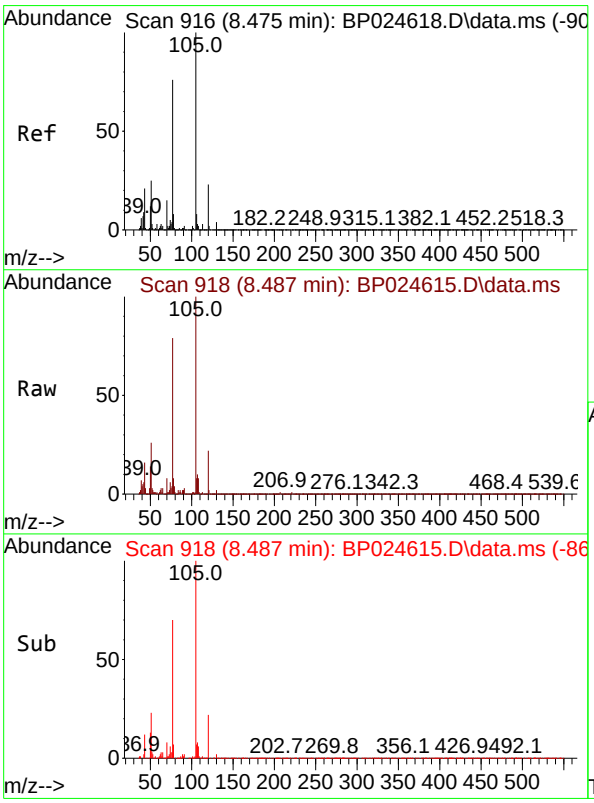
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 378055

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	6.8	5.5	8.3
68	4.7	4.2	6.2

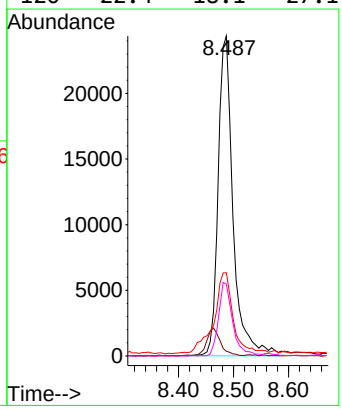


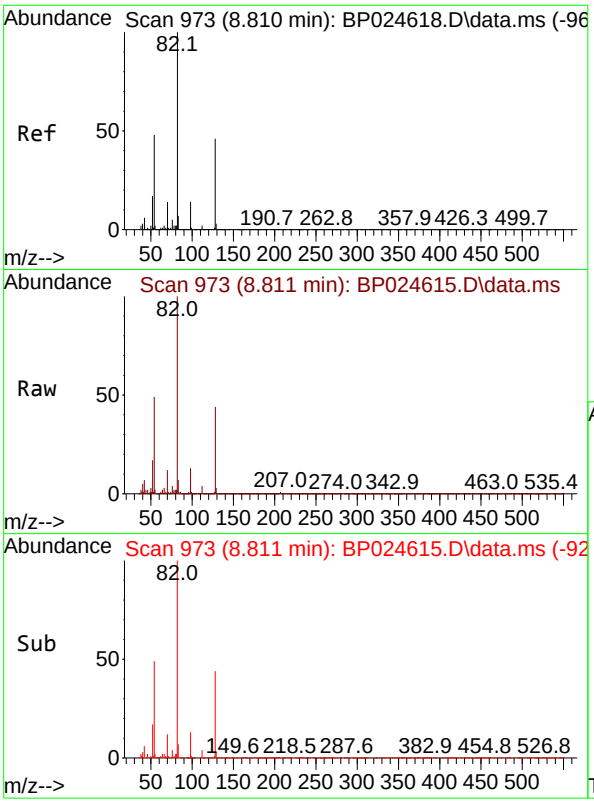


#22
Acetophenone
Concen: 4.868 ng
RT: 8.487 min Scan# 918
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:105 Resp: 45968

Ion	Ratio	Lower	Upper
105	100		
71	1.4	2.0	3.0#
51	26.0	20.4	30.6
120	22.4	18.1	27.1



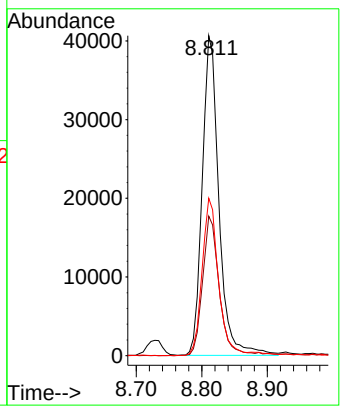


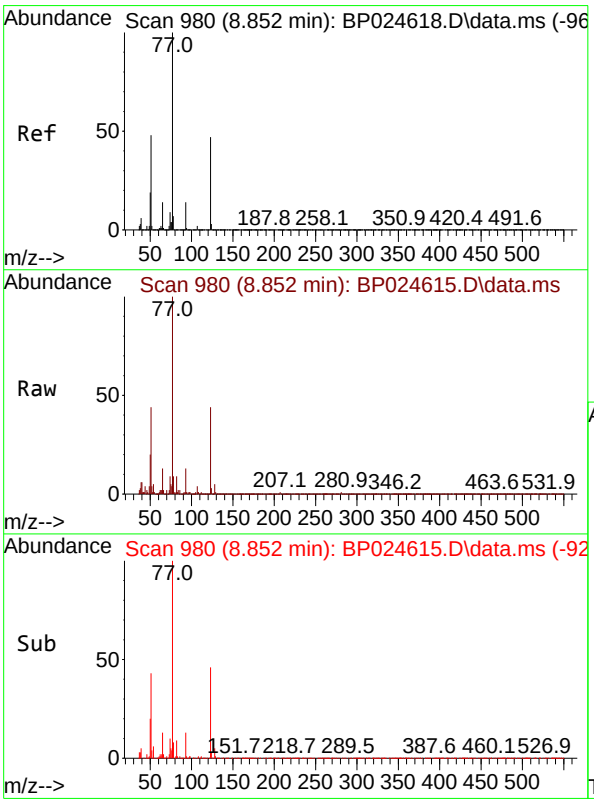
#23
Nitrobenzene-d5
Concen: 9.630 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 72056

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	49.2	38.7	58.1

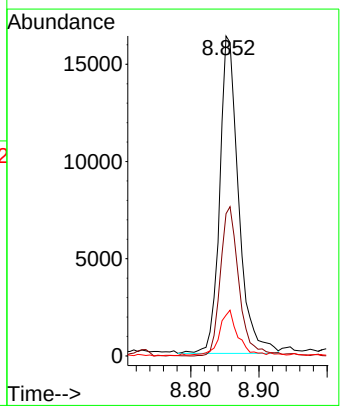


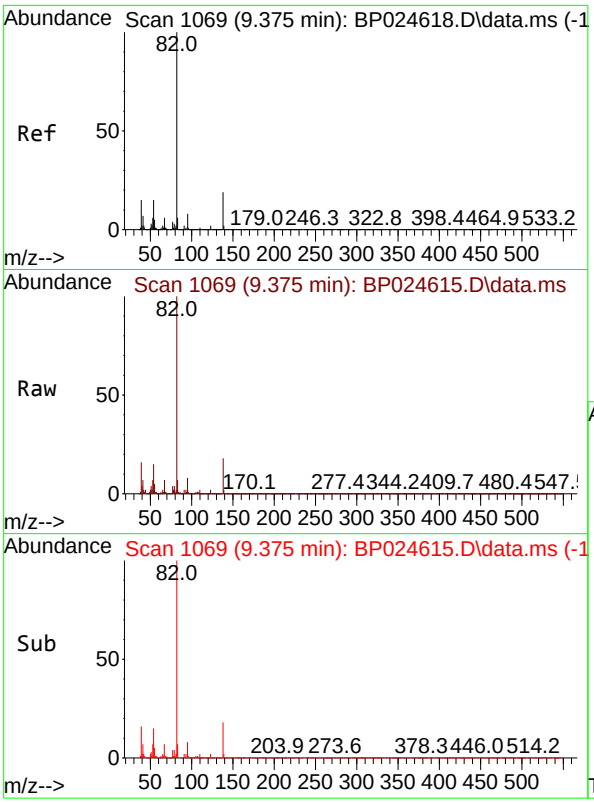


#24
Nitrobenzene
Concen: 4.784 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 31500

Ion	Ratio	Lower	Upper
77	100		
123	44.5	37.4	56.0
65	12.7	11.3	16.9



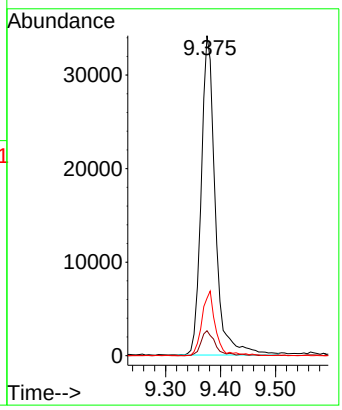


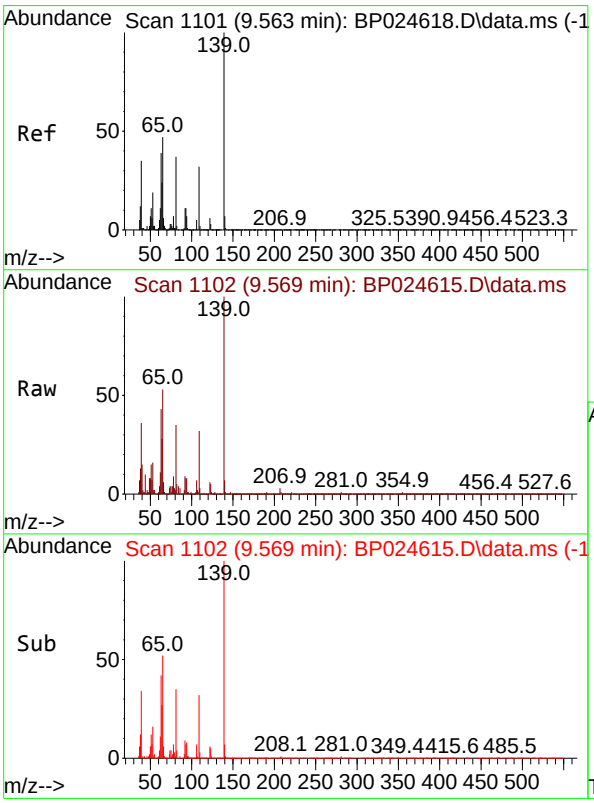
#25
Isophorone
Concen: 4.689 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 60855

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.3	9.5
138	17.9	15.3	22.9

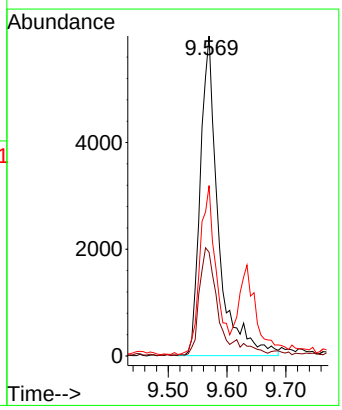


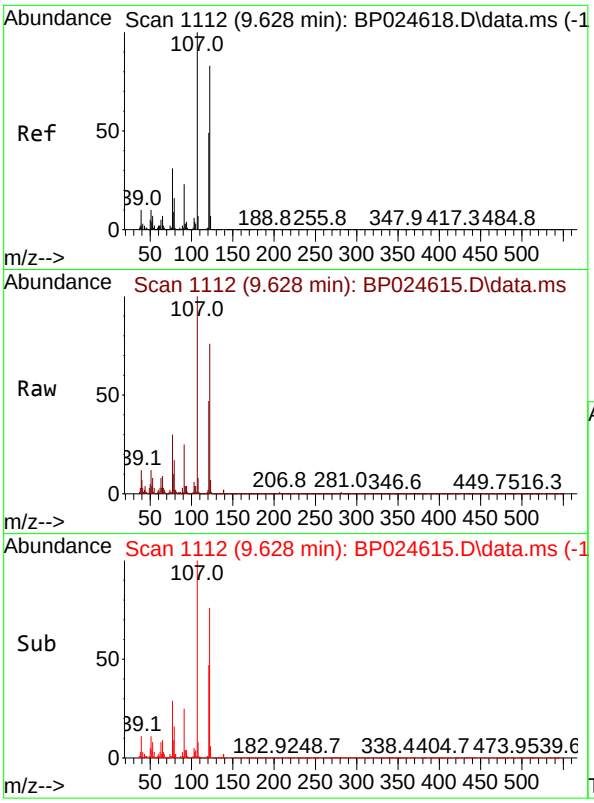


#26
2-Nitrophenol
Concen: 3.963 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 12786

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	53.2	37.9	56.9



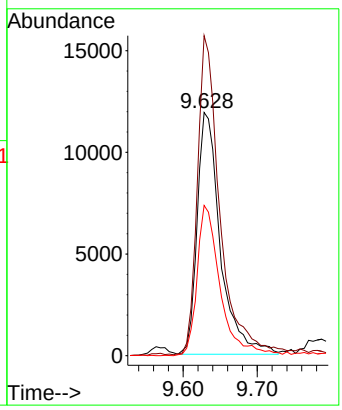


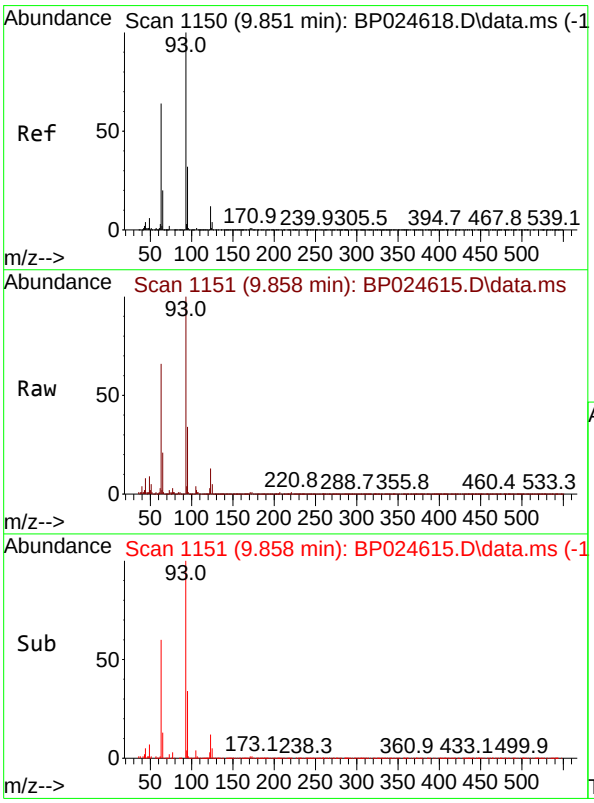
#27
2,4-Dimethylphenol
Concen: 4.541 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 25830

Ion	Ratio	Lower	Upper
122	100		
107	131.6	96.2	144.2
121	61.8	47.6	71.4

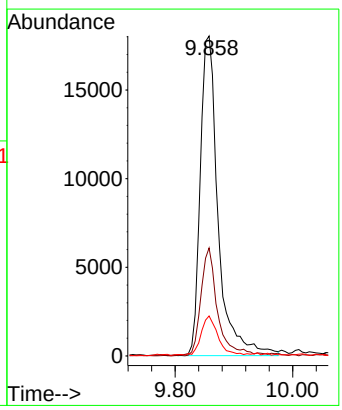


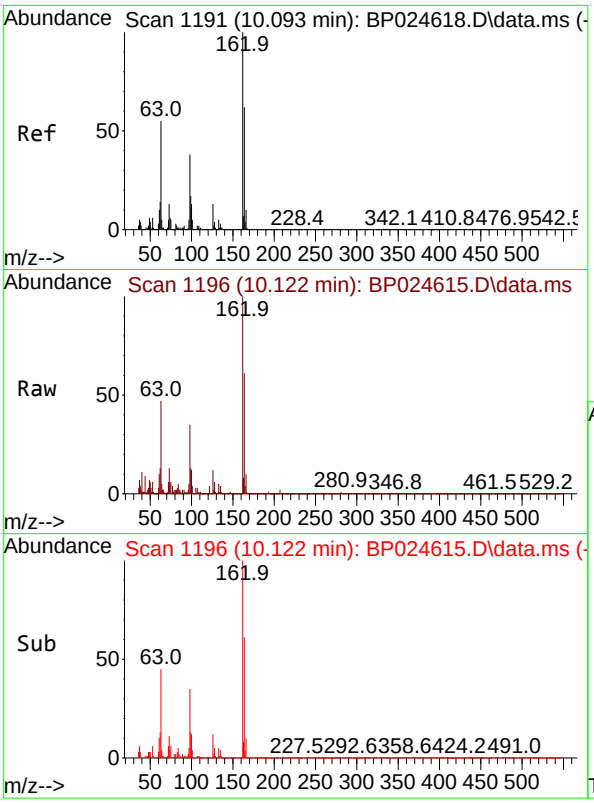


#28
bis(2-Chloroethoxy)methane
Concen: 4.910 ng
RT: 9.858 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38071

Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.5	38.3
123	12.5	9.7	14.5



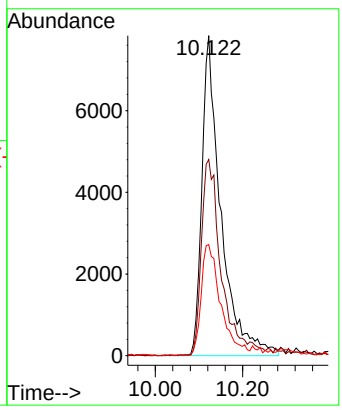


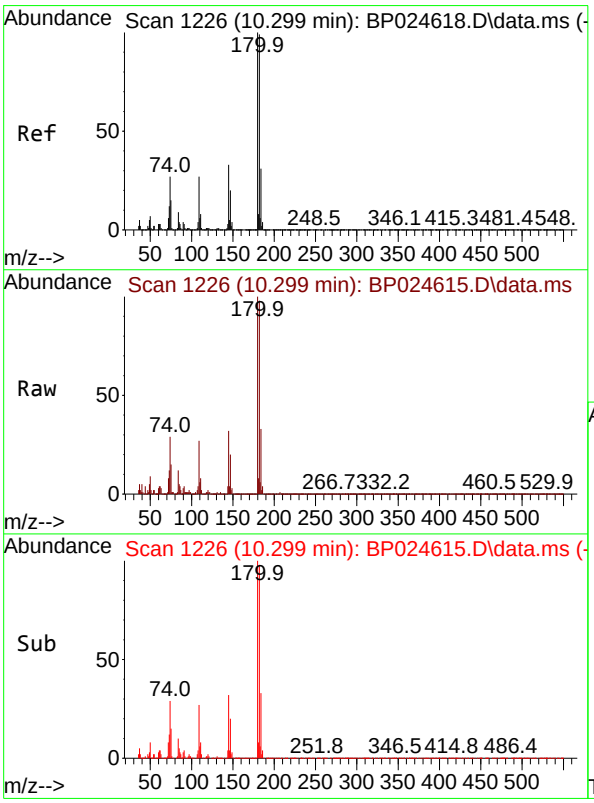
#29
2,4-Dichlorophenol
Concen: 4.285 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.030 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 23623

Ion	Ratio	Lower	Upper
162	100		
164	61.3	42.3	82.3
98	34.7	18.4	58.4

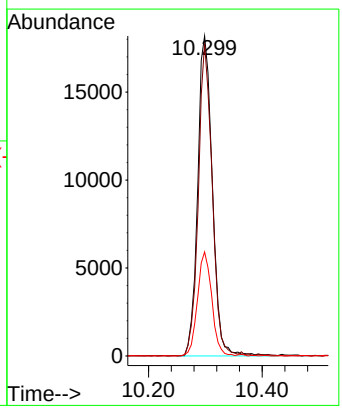


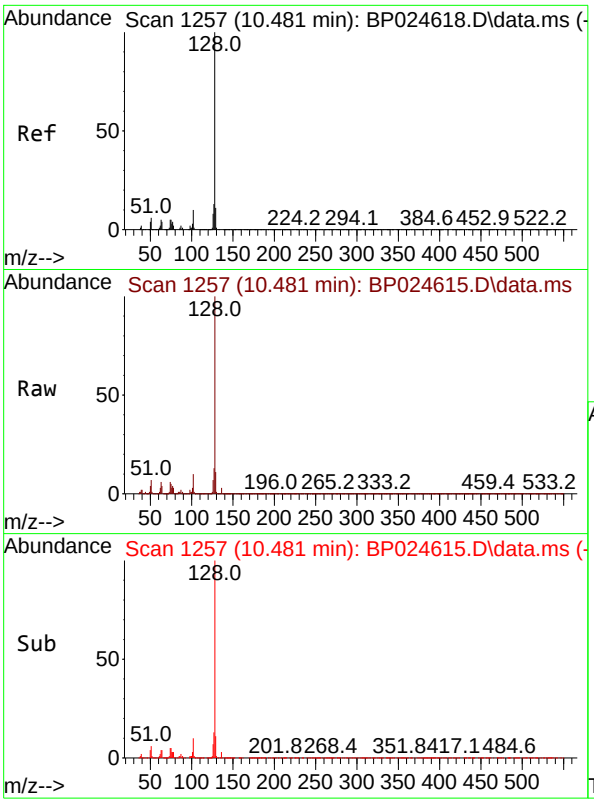


#30
1,2,4-Trichlorobenzene
Concen: 5.264 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:180 Resp: 32699

Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.0	118.4
145	32.5	26.6	39.8



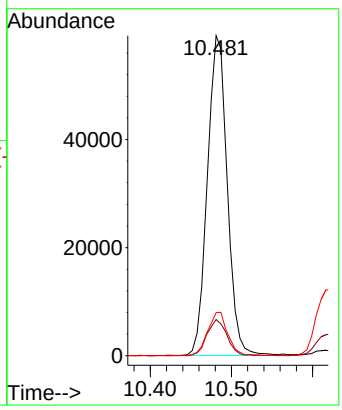


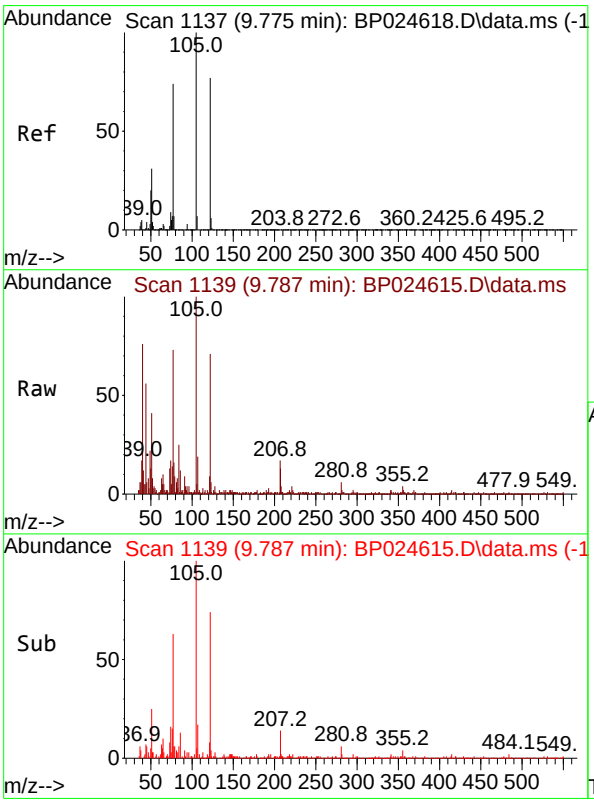
#31
Naphthalene
Concen: 5.133 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 100564

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.5	10.7	16.1

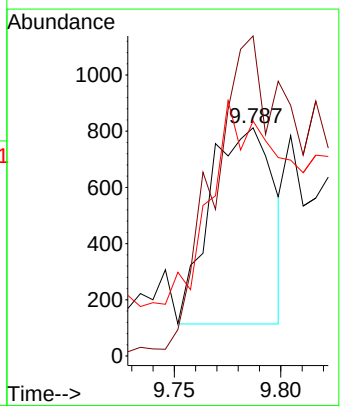


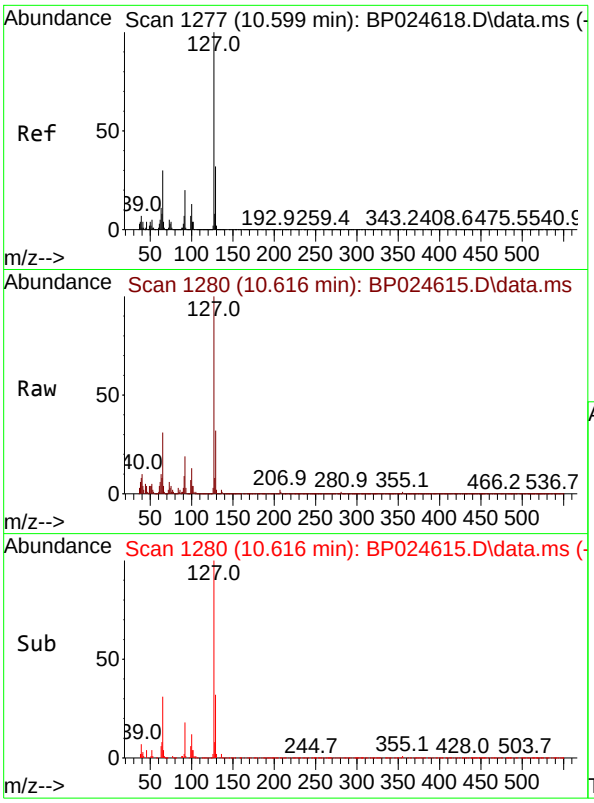


#32
Benzoic acid
Concen: 7.094 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:122 Resp: 1450

Ion	Ratio	Lower	Upper
122	100		
105	147.9	106.9	146.9#
77	103.0	75.1	115.1



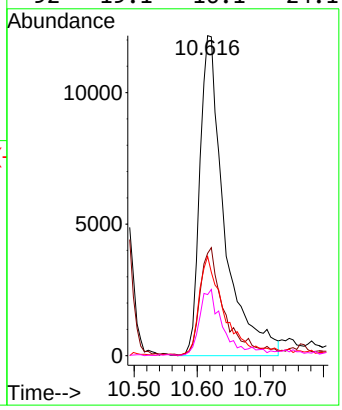


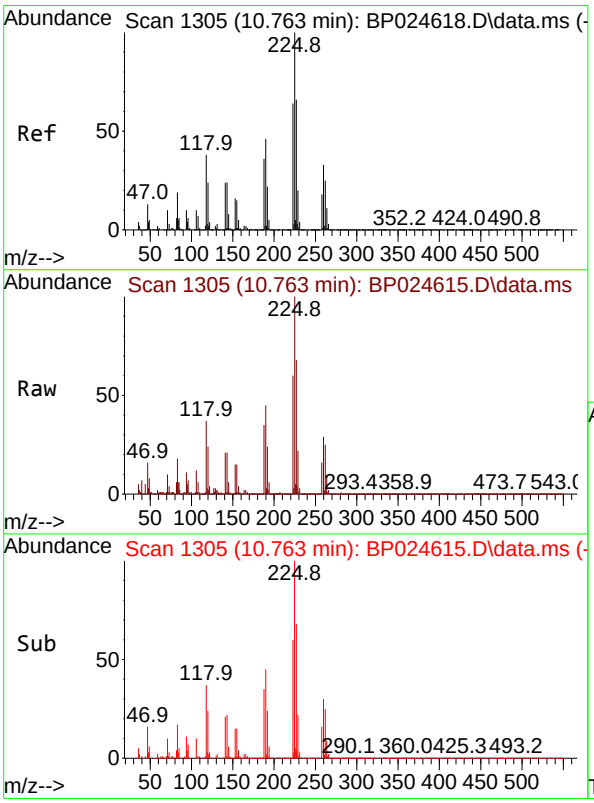
#33
4-Chloroaniline
Concen: 4.163 ng
RT: 10.616 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 32908

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	31.0	23.9	35.9
92	19.1	16.1	24.1

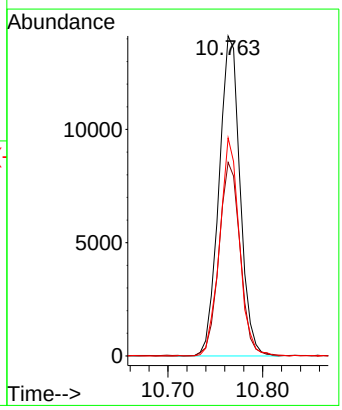


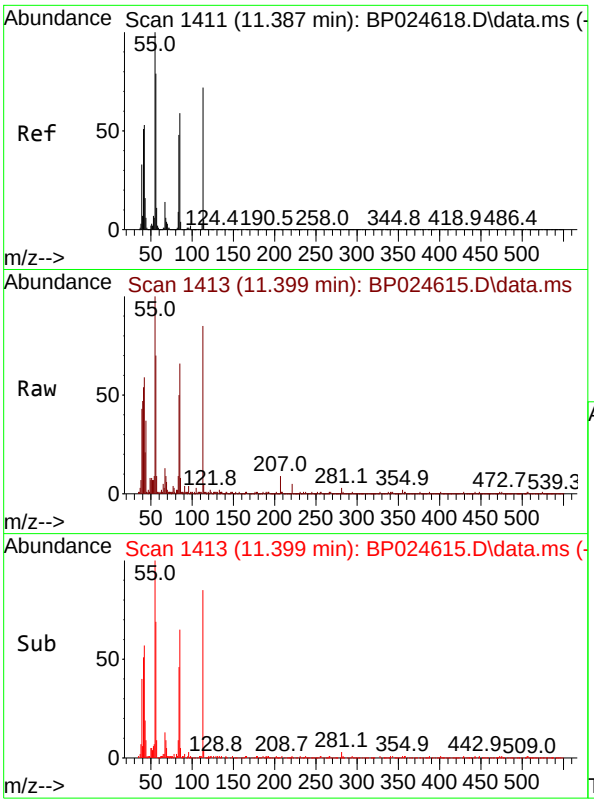


#34
Hexachlorobutadiene
Concen: 5.426 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:225 Resp: 21834

Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.0	76.6
227	71.7	53.1	79.7



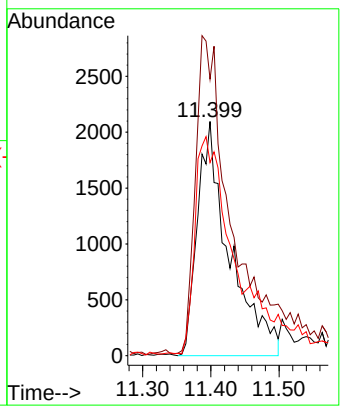


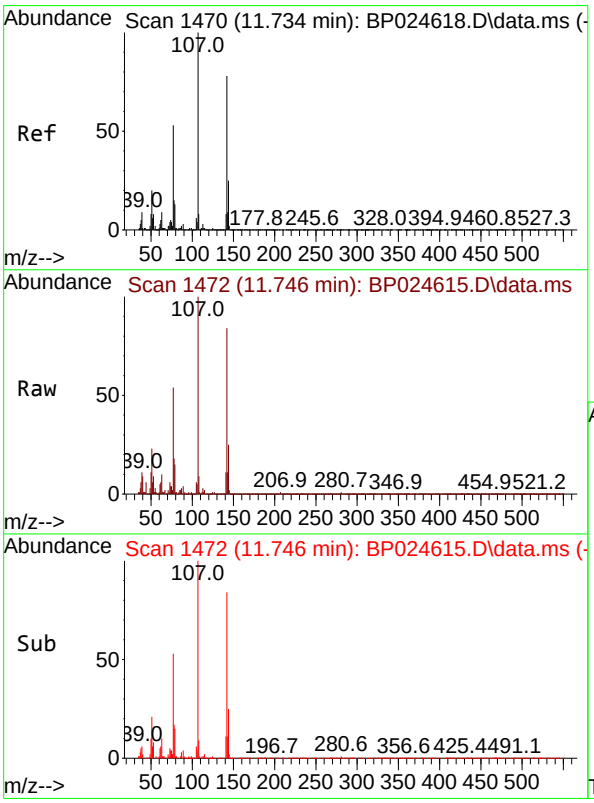
#35
Caprolactam
Concen: 3.420 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 6817

Ion	Ratio	Lower	Upper
113	100		
55	118.0	119.0	159.0#
56	82.4	90.3	130.3#

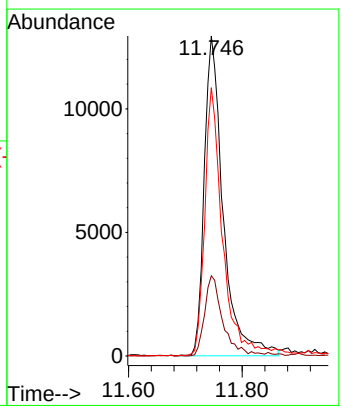


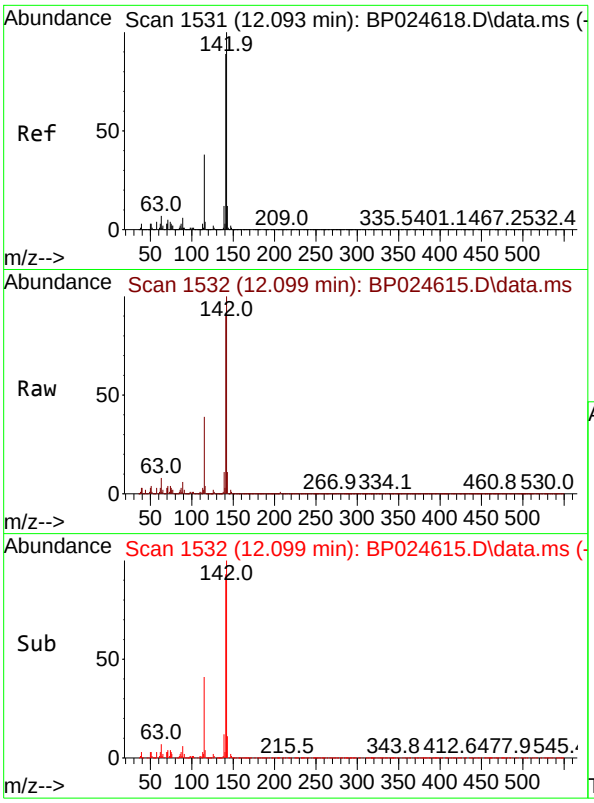


#36
4-Chloro-3-methylphenol
Concen: 4.440 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 29849

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.1	30.1
142	83.9	62.1	93.1



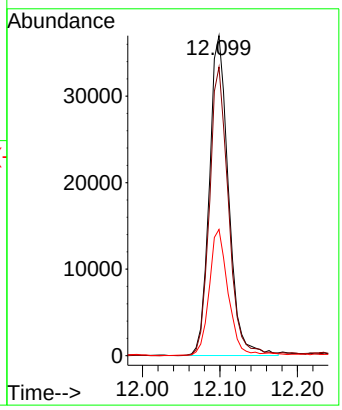


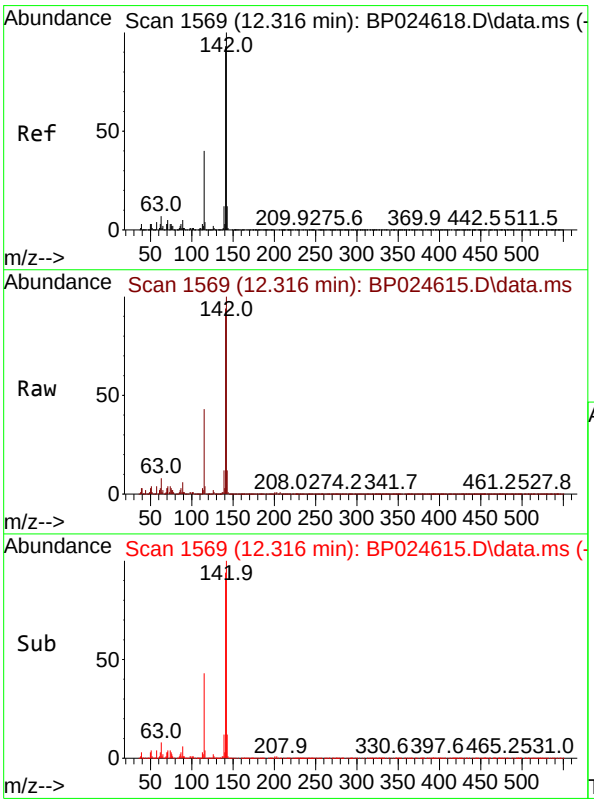
#37
2-Methylnaphthalene
Concen: 5.011 ng
RT: 12.099 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 63562

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.2	106.8
115	39.4	30.6	46.0

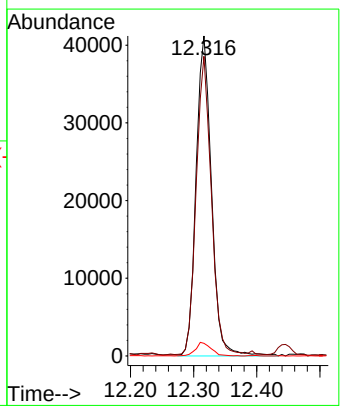


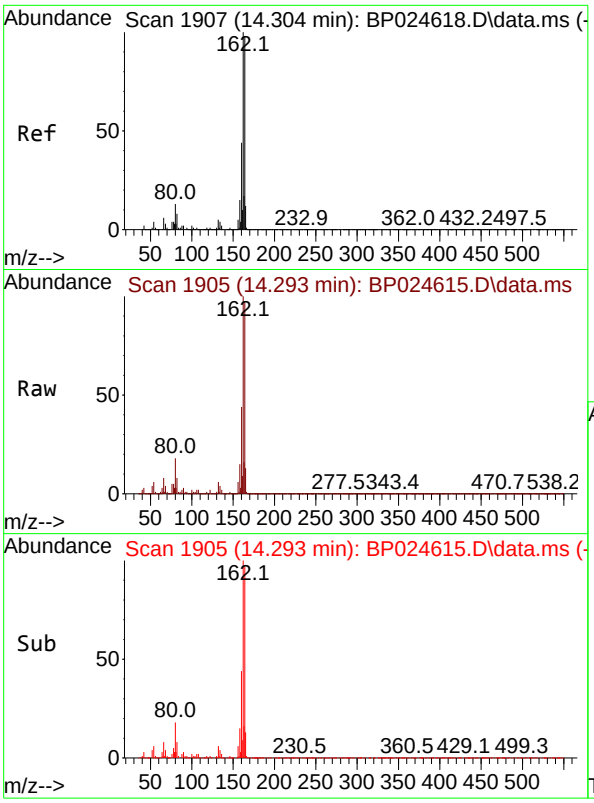


#38
1-Methylnaphthalene
Concen: 5.160 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 70043

Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.7	112.1
116	4.0	3.4	5.2



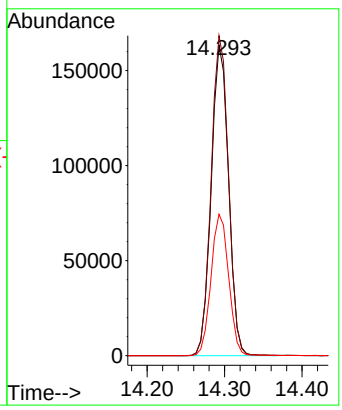


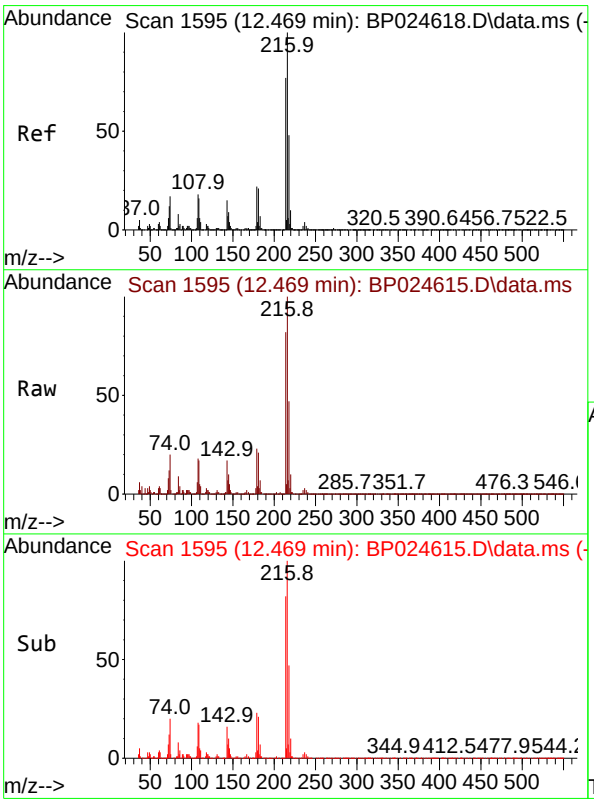
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 254561

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.6
160	45.5	36.3	54.5

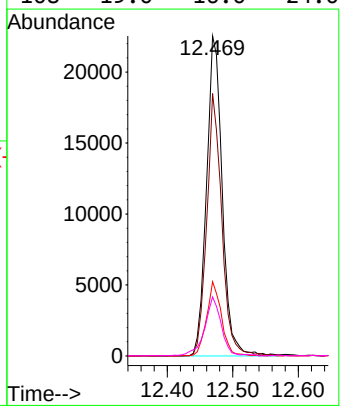


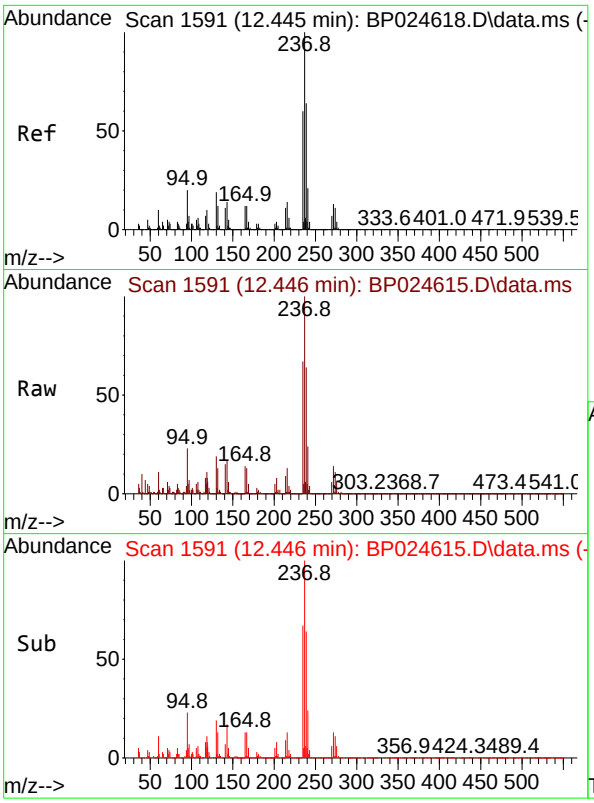


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.105 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:216 Resp: 37738

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	22.0	17.7	26.5
108	19.0	16.0	24.0



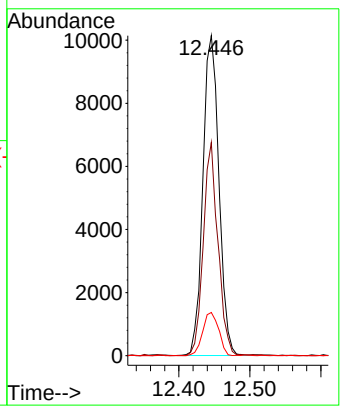


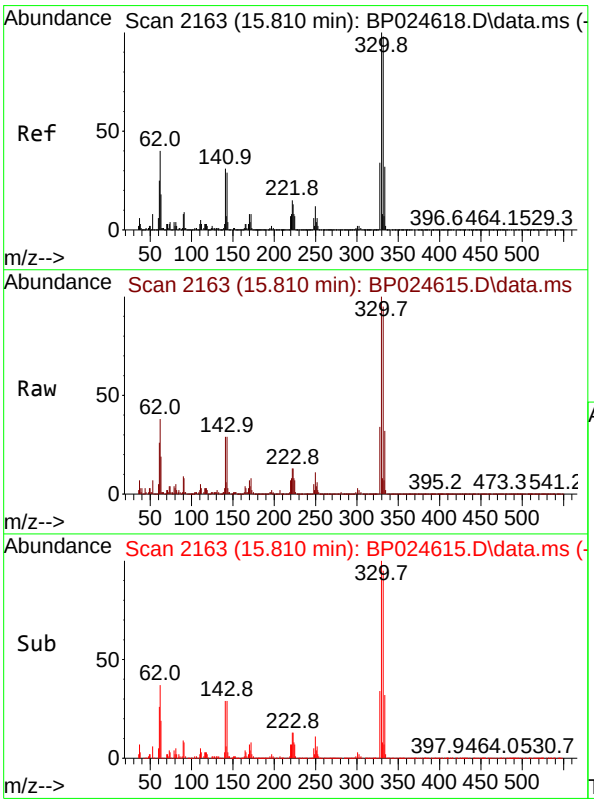
#41
Hexachlorocyclopentadiene
Concen: 3.556 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 15939

Ion	Ratio	Lower	Upper
237	100		
235	66.6	39.9	79.9
272	13.5	0.0	33.2

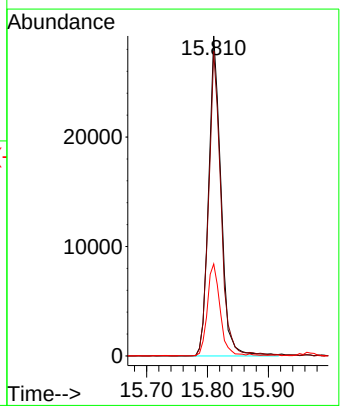


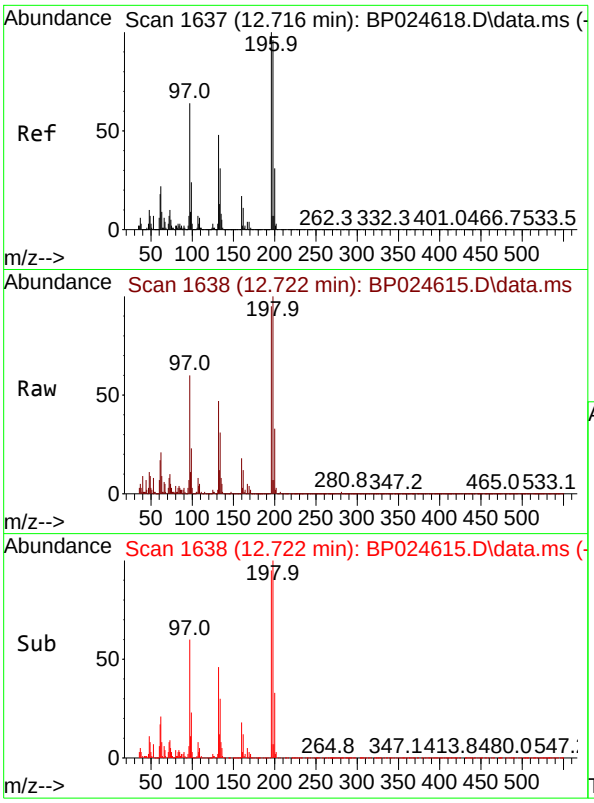


#42
2,4,6-Tribromophenol
Concen: 9.551 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:330 Resp: 41219

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.2	117.4
141	29.5	24.3	36.5



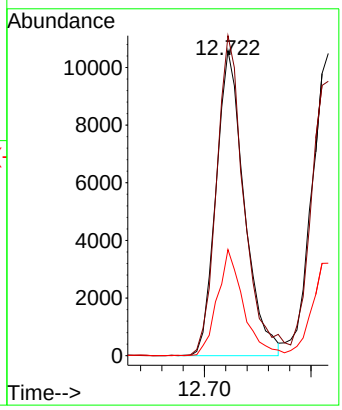


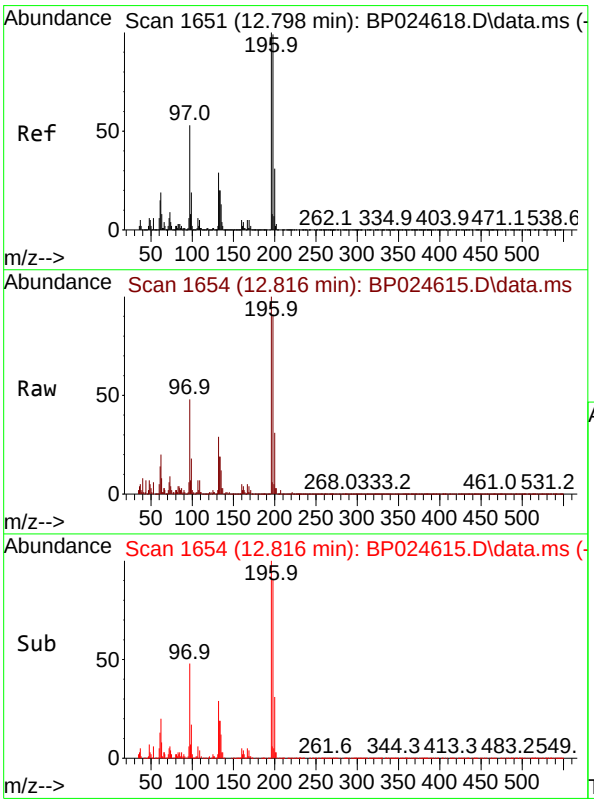
#43
2,4,6-Trichlorophenol
Concen: 4.058 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 19429

Ion	Ratio	Lower	Upper
196	100		
198	104.9	76.9	115.3
200	34.8	25.2	37.8

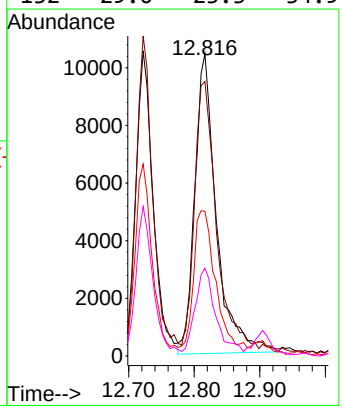


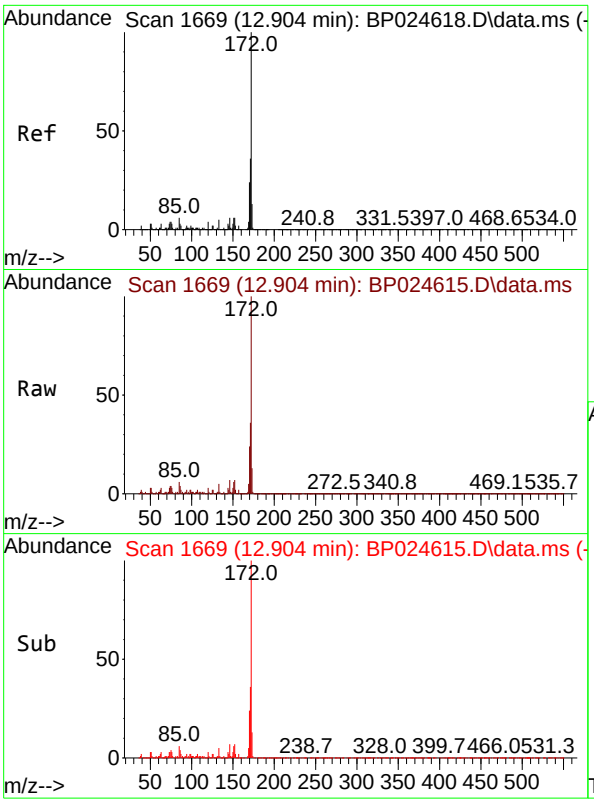


#44
2,4,5-Trichlorophenol
Concen: 4.488 ng
RT: 12.816 min Scan# 1654
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 23918

Ion	Ratio	Lower	Upper
196	100		
198	90.8	79.2	118.8
97	47.8	42.3	63.5
132	29.0	23.3	34.9



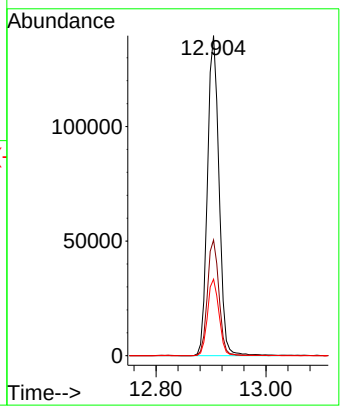


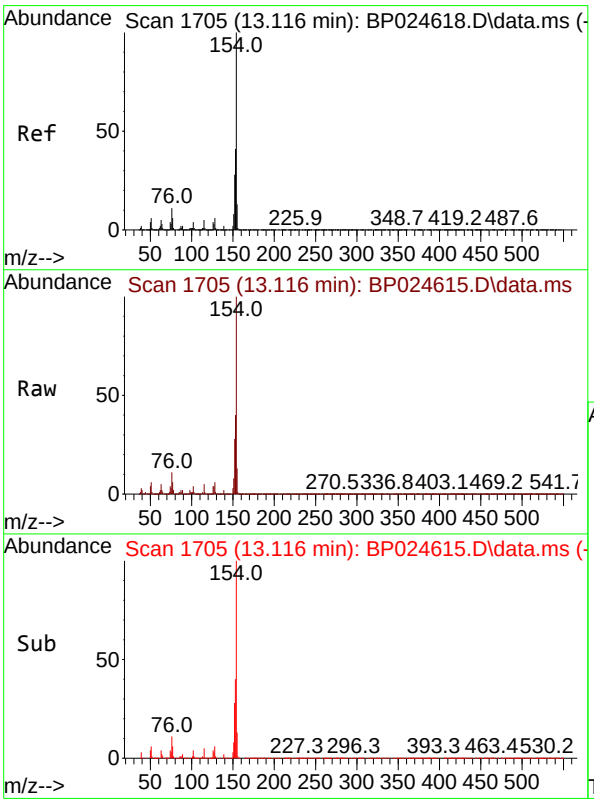
#45
2-Fluorobiphenyl
Concen: 10.485 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 203719

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.9	18.8	28.2

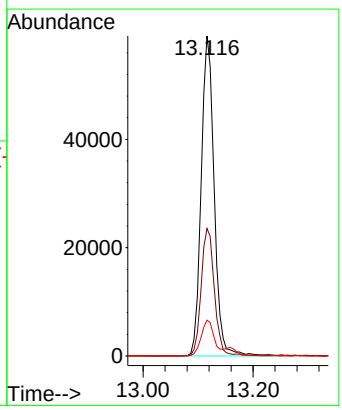


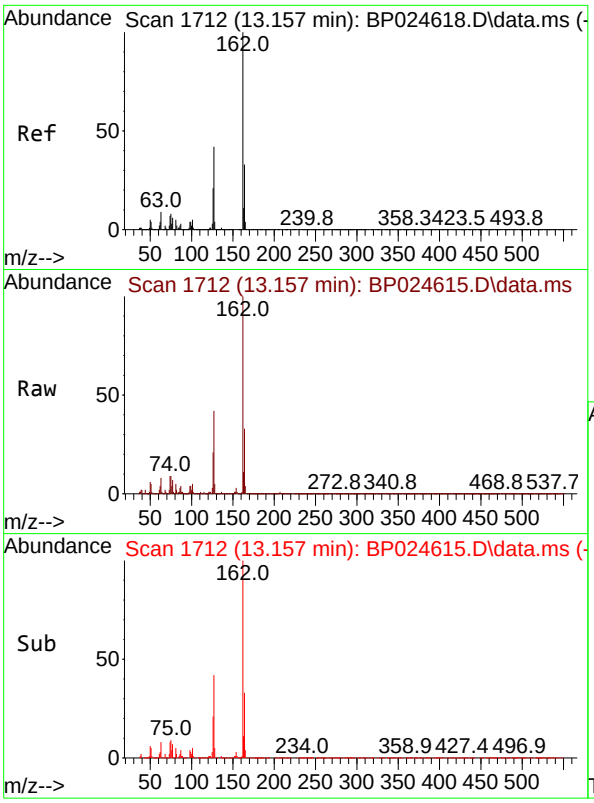


#46
1,1'-Biphenyl
Concen: 5.153 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 96956

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.0	61.0
76	11.2	0.0	31.5



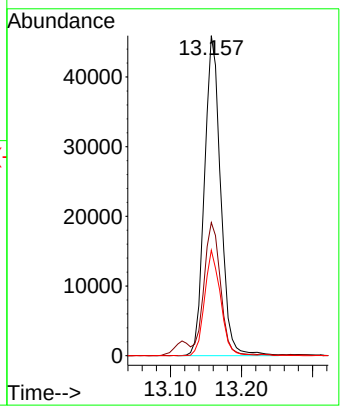


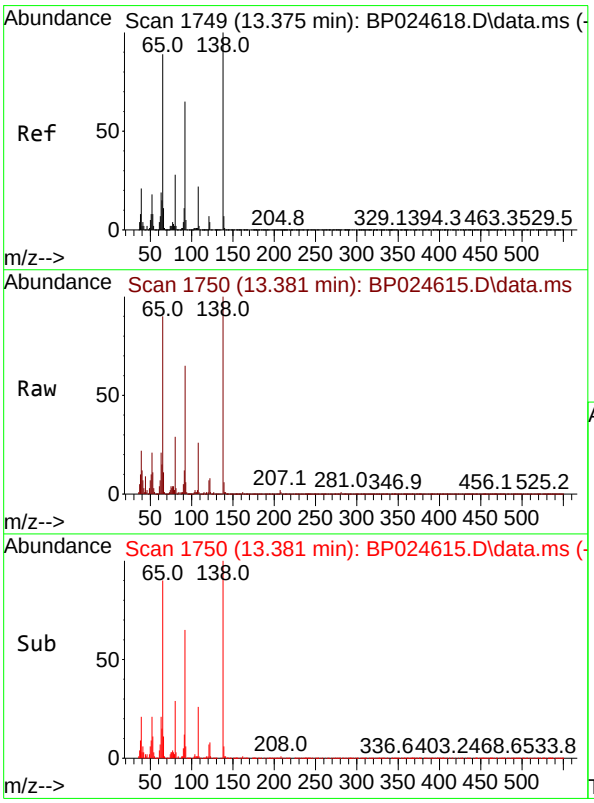
#47
2-Chloronaphthalene
Concen: 5.087 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 72977

Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.8	50.6
164	33.0	26.0	39.0

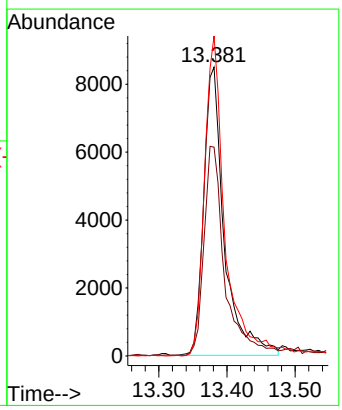


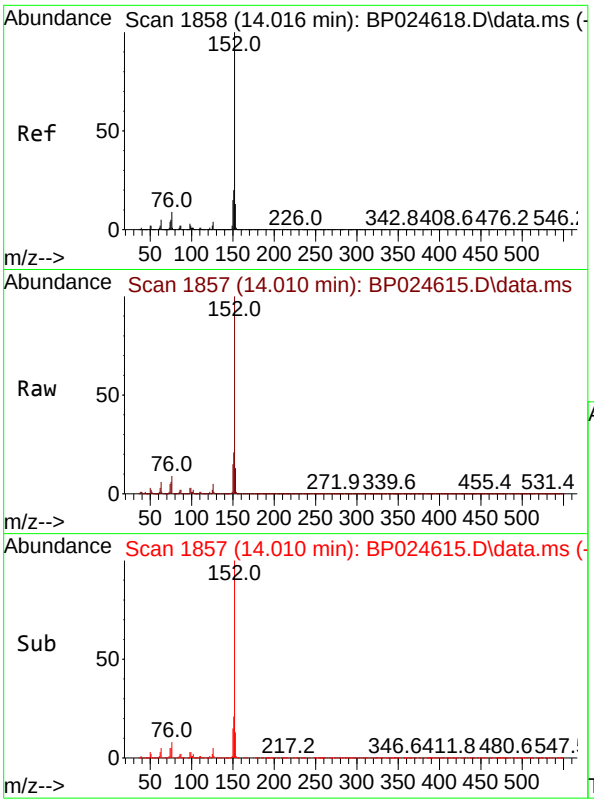


#48
2-Nitroaniline
Concen: 4.186 ng
RT: 13.381 min Scan# 1750
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 65 Resp: 17778

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.7	88.1
138	110.8	90.2	135.2



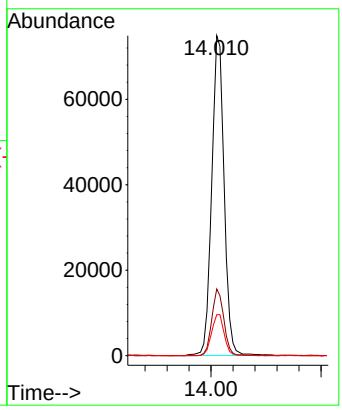


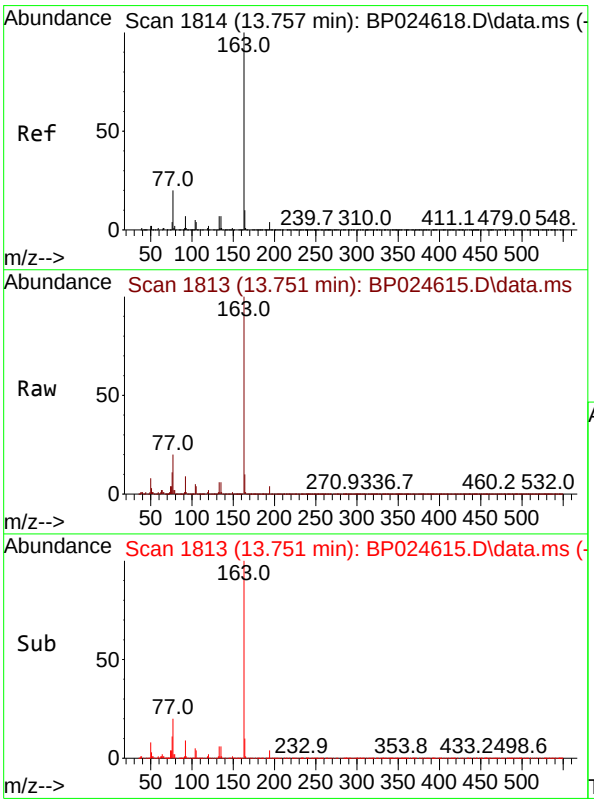
#49
Acenaphthylene
Concen: 4.892 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 117448

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.4
153	12.8	10.2	15.4

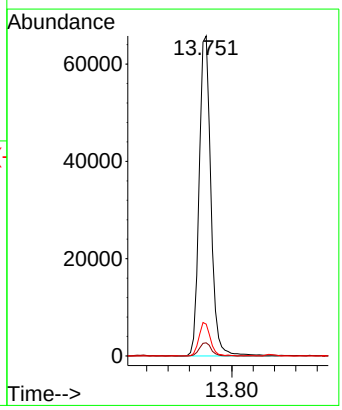


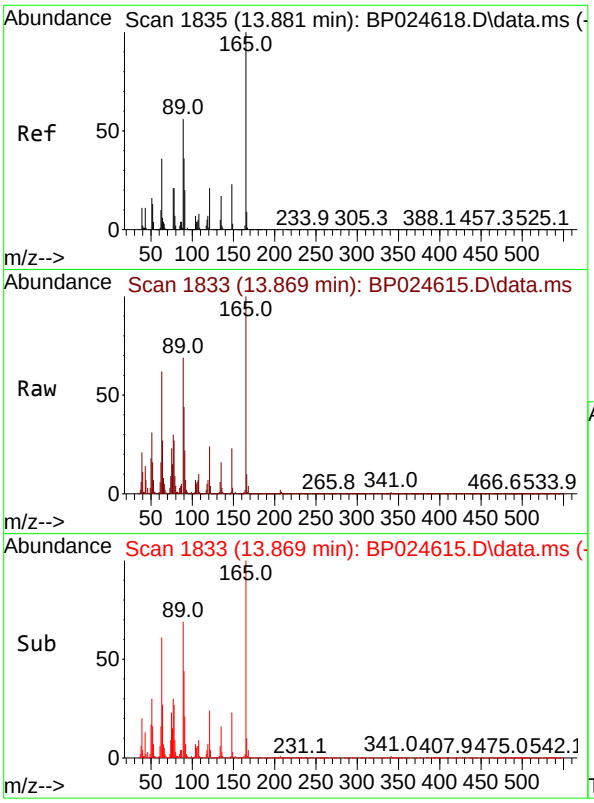


#50
Dimethylphthalate
Concen: 5.151 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:163 Resp: 99940

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.1	12.1



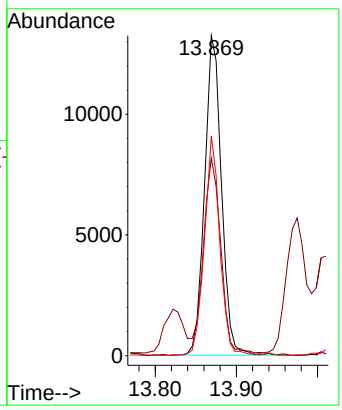


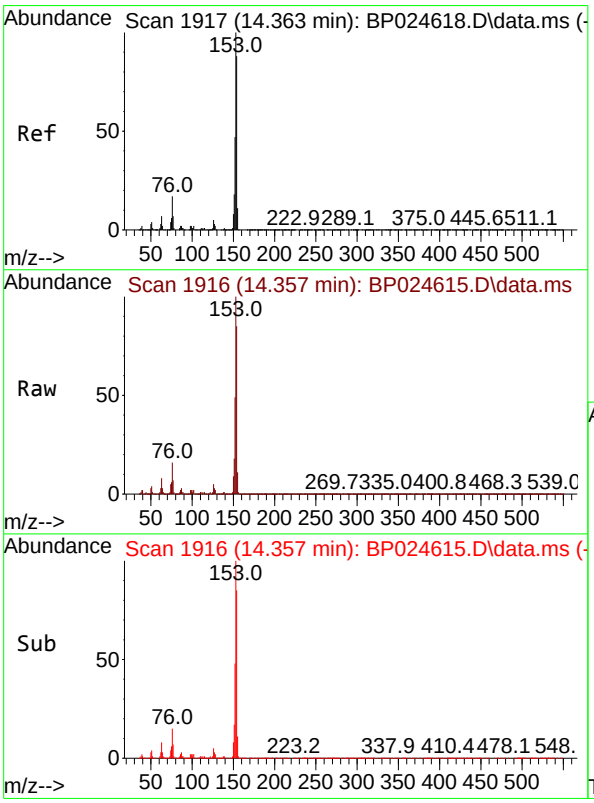
#51
2,6-Dinitrotoluene
Concen: 4.649 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 19052

Ion	Ratio	Lower	Upper
165	100		
63	61.7	42.4	63.6
89	68.7	44.8	67.2#

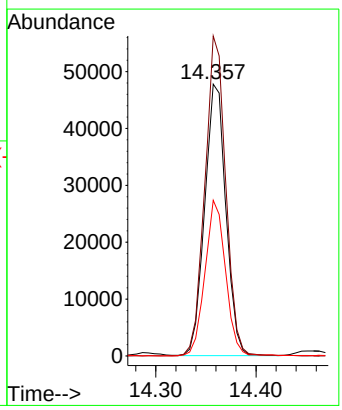


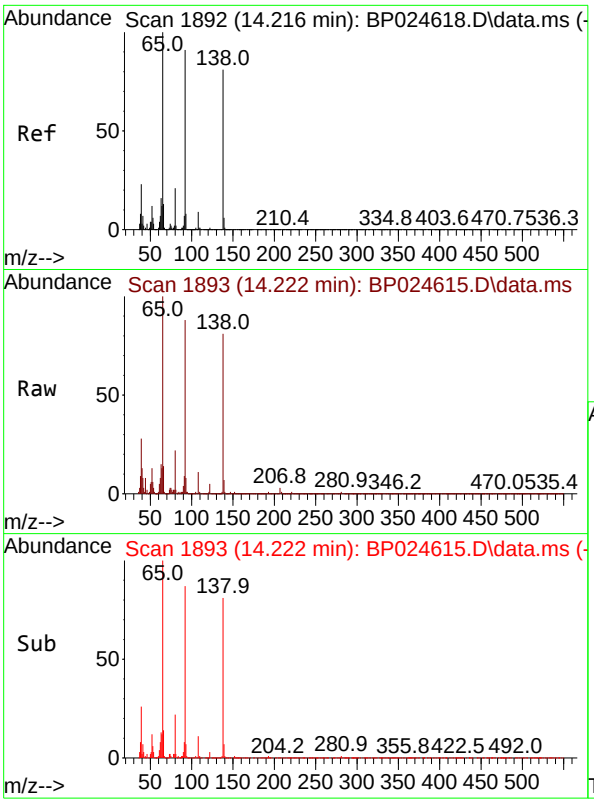


#52
Acenaphthene
Concen: 5.094 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 70302

Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.0	136.4
152	57.3	42.9	64.3



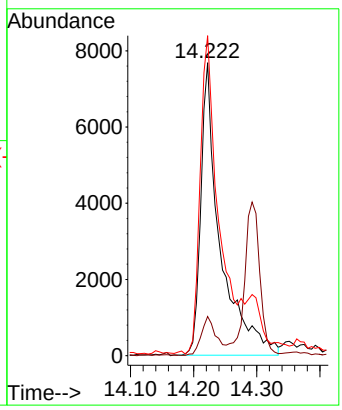


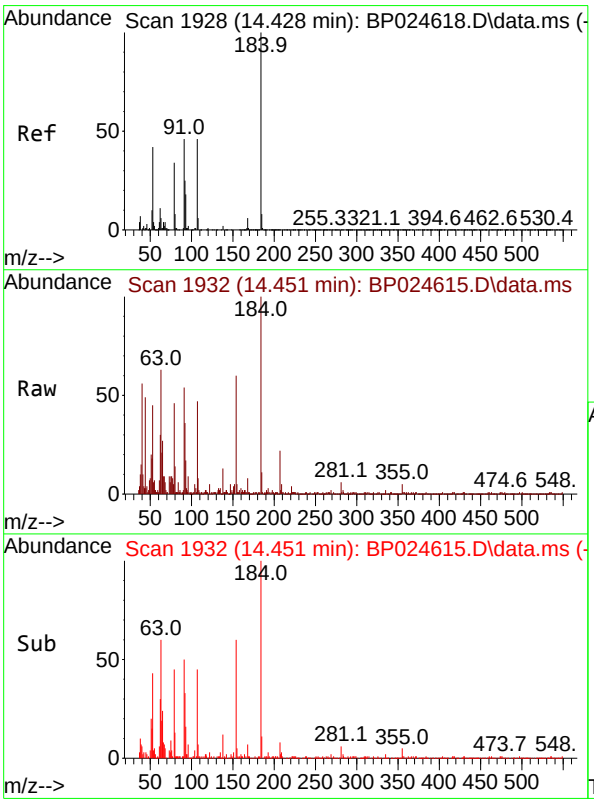
#53
3-Nitroaniline
Concen: 3.920 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 16400

Ion	Ratio	Lower	Upper
138	100		
108	13.4	9.0	13.4
92	109.3	90.1	135.1

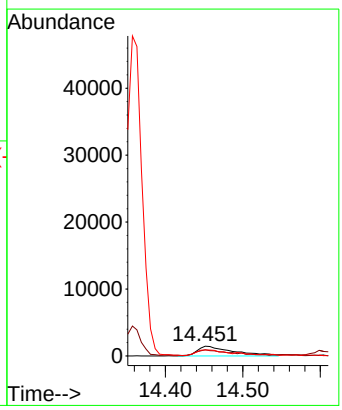


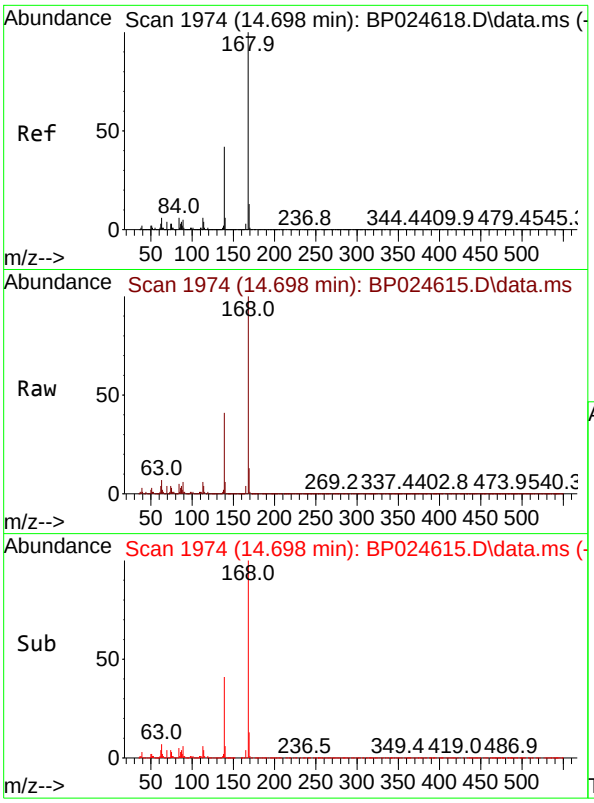


#54
2,4-Dinitrophenol
Concen: 8.074 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.023 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:184 Resp: 4700

Ion	Ratio	Lower	Upper
184	100		
63	63.4	51.3	76.9
154	60.2	53.5	80.3



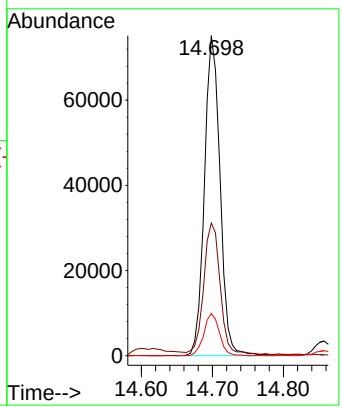


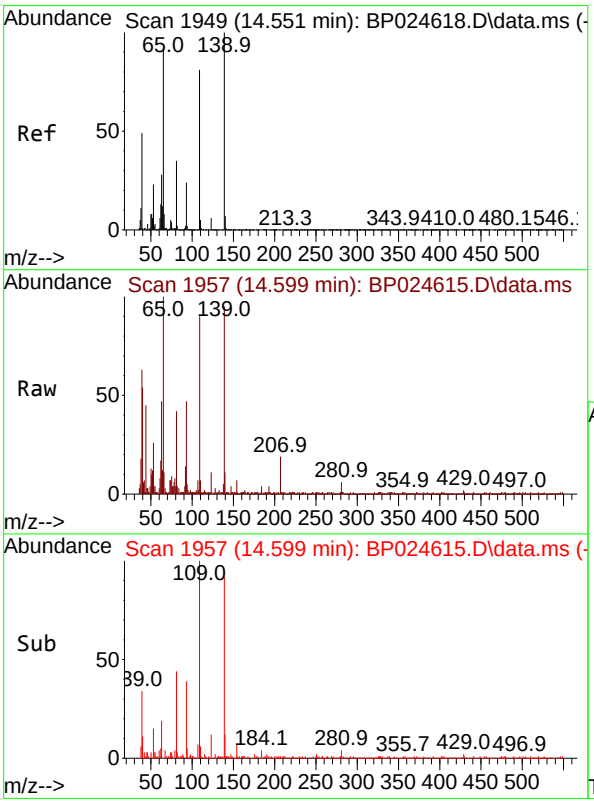
#55
Dibenzofuran
Concen: 5.232 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 115180

Ion	Ratio	Lower	Upper
168	100		
139	41.5	34.2	51.4
169	13.2	10.8	16.2

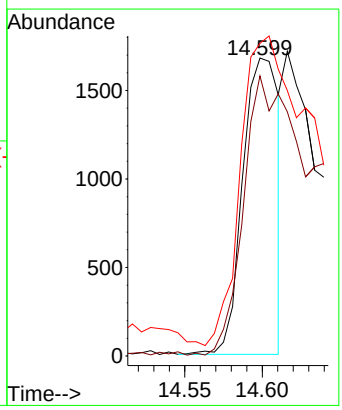


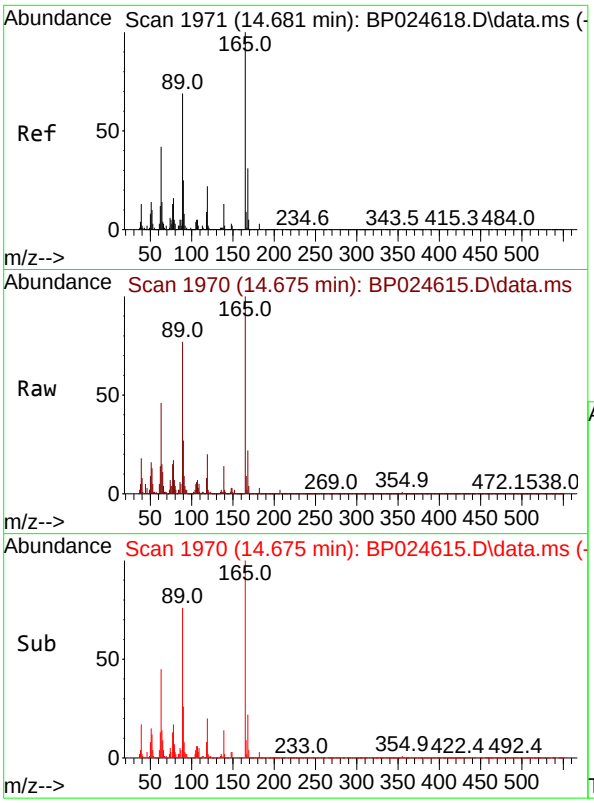


#56
4-Nitrophenol
Concen: 4.940 ng
RT: 14.599 min Scan# 1957
Delta R.T. 0.047 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 2698

Ion	Ratio	Lower	Upper
139	100		
109	94.0	61.4	101.4
65	104.9	72.2	112.2



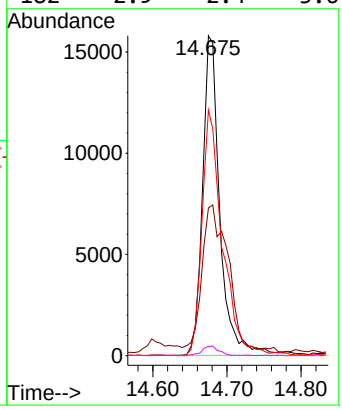


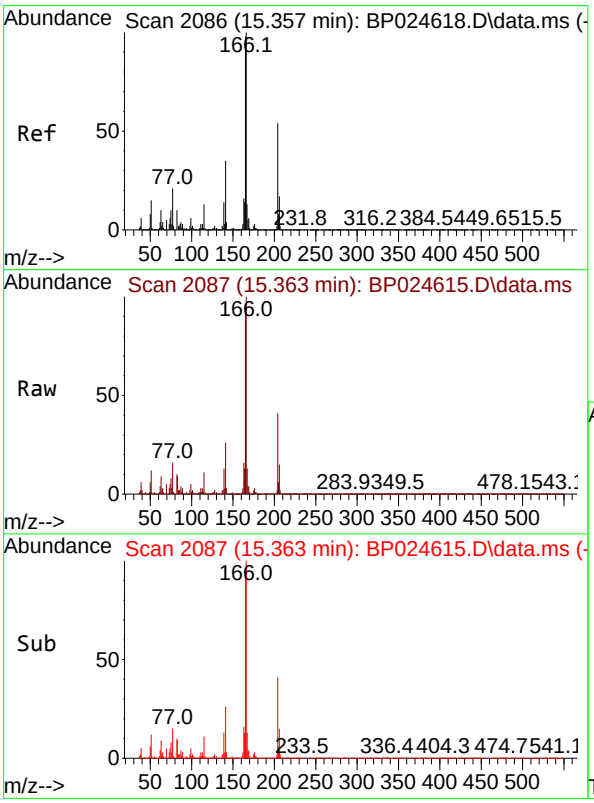
#57
2,4-Dinitrotoluene
Concen: 4.411 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 25481

Ion	Ratio	Lower	Upper
165	100		
63	46.2	33.8	50.6
89	76.8	55.6	83.4
182	2.9	2.4	3.6

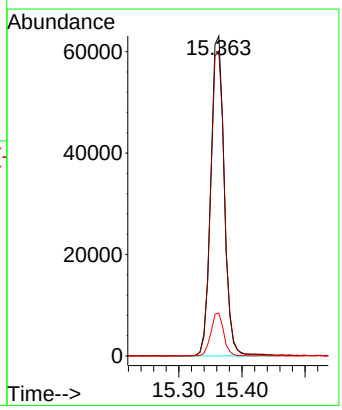


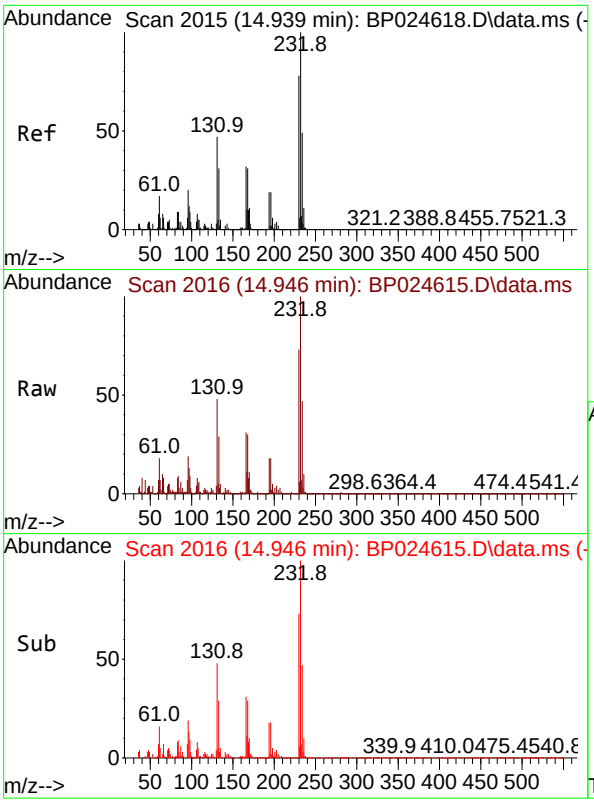


#58
Fluorene
Concen: 5.198 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:166 Resp: 93303

Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.5	117.7
167	13.4	10.7	16.1



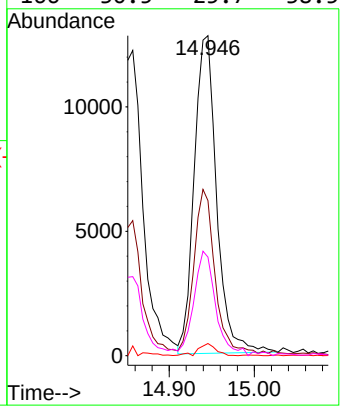


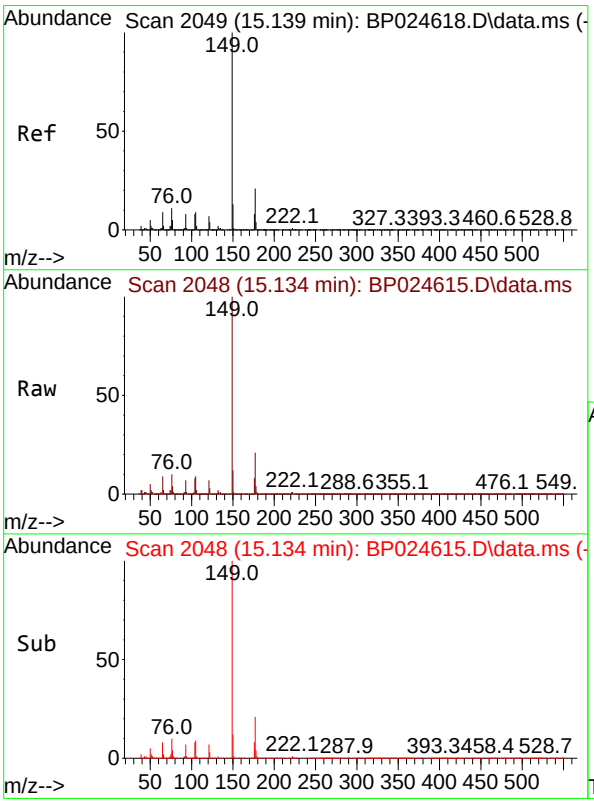
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.729 ng
RT: 14.946 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 23382

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.5	59.3
130	3.0	2.2	3.4
166	30.5	25.7	38.5

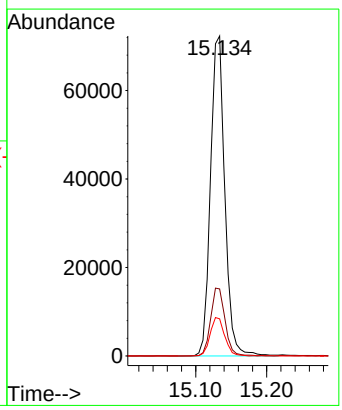


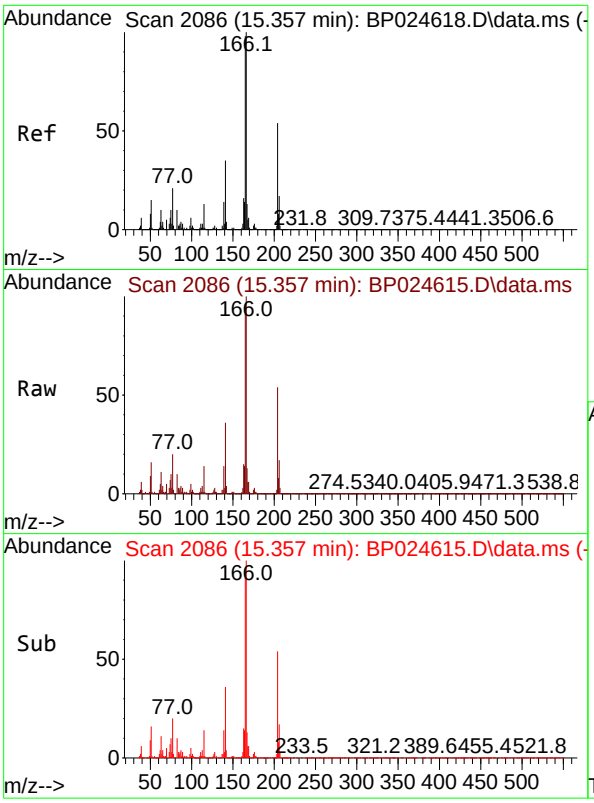


#60
Diethylphthalate
Concen: 5.169 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 101366

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	11.6	10.2	15.2



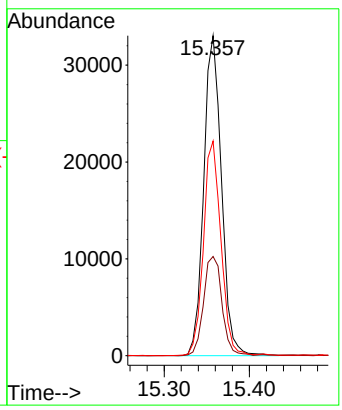


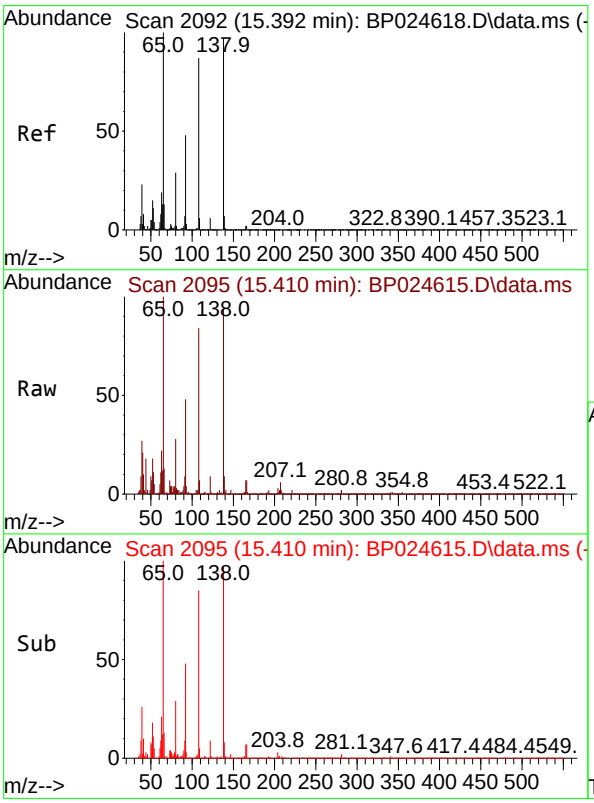
#61
4-Chlorophenyl-phenylether
Concen: 5.349 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 47886

Ion	Ratio	Lower	Upper
204	100		
206	31.0	26.0	39.0
141	67.1	52.9	79.3

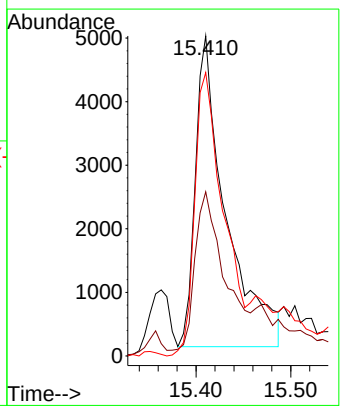


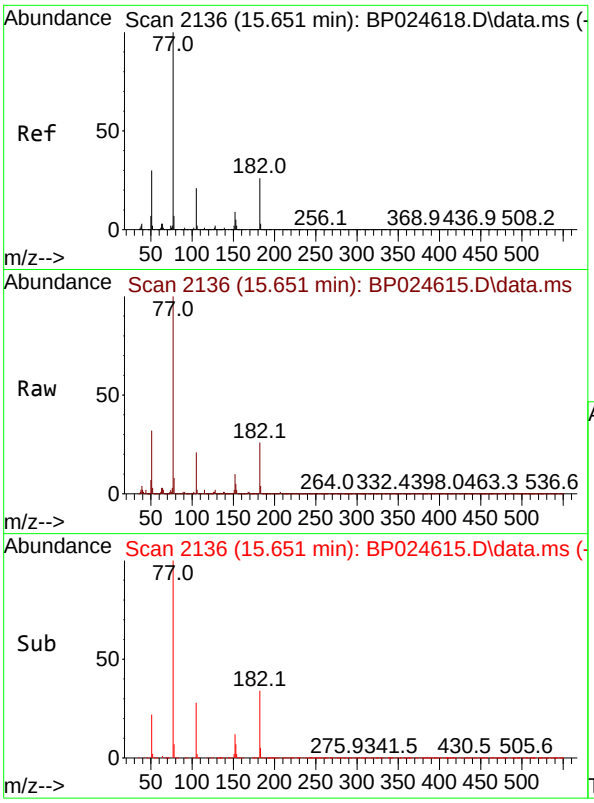


#62
4-Nitroaniline
Concen: 2.696 ng
RT: 15.410 min Scan# 2095
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 10984

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.2	69.2
108	88.5	69.0	109.0



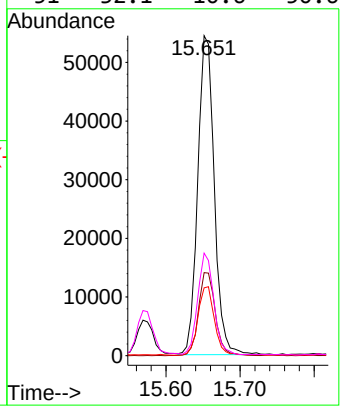


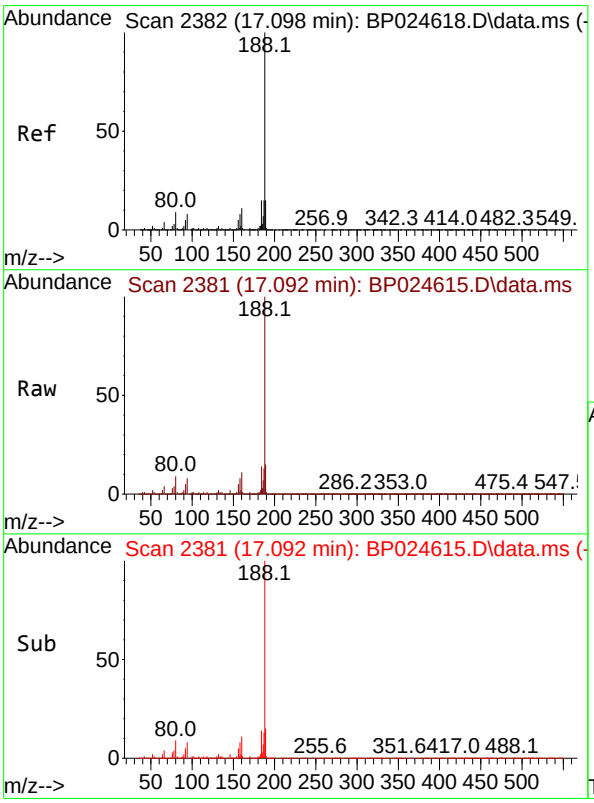
#63
Azobenzene
Concen: 5.035 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 84462

Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.7	45.7
105	21.2	1.3	41.3
51	32.1	10.6	50.6

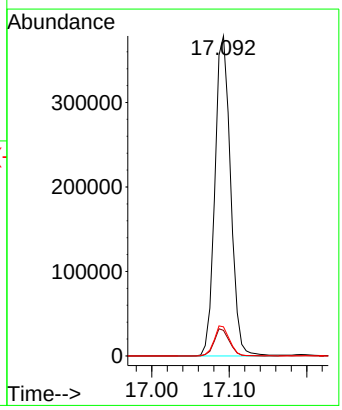


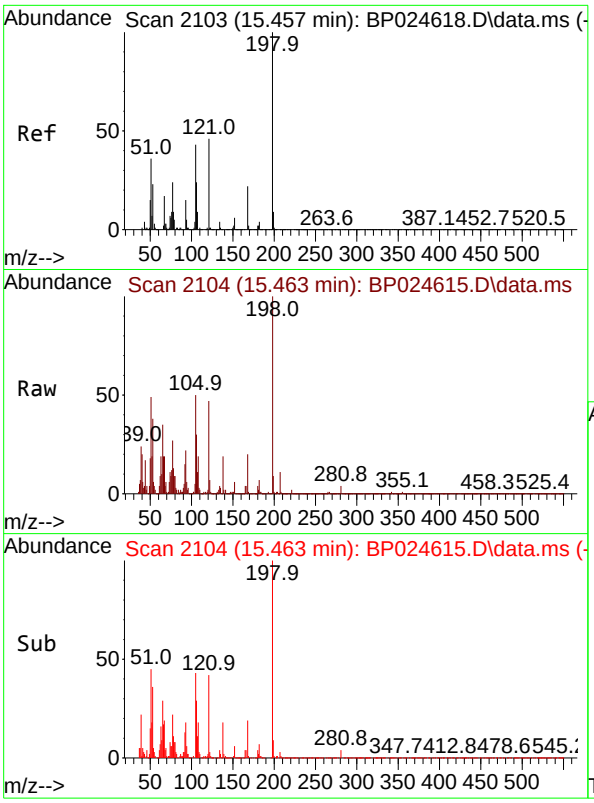


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:188 Resp: 531548

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.1	7.3	10.9



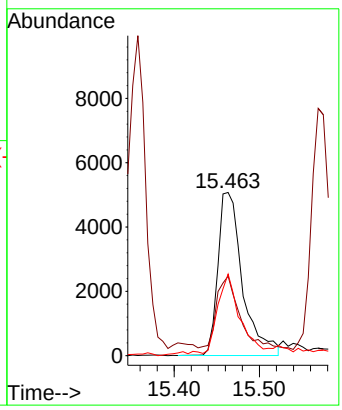


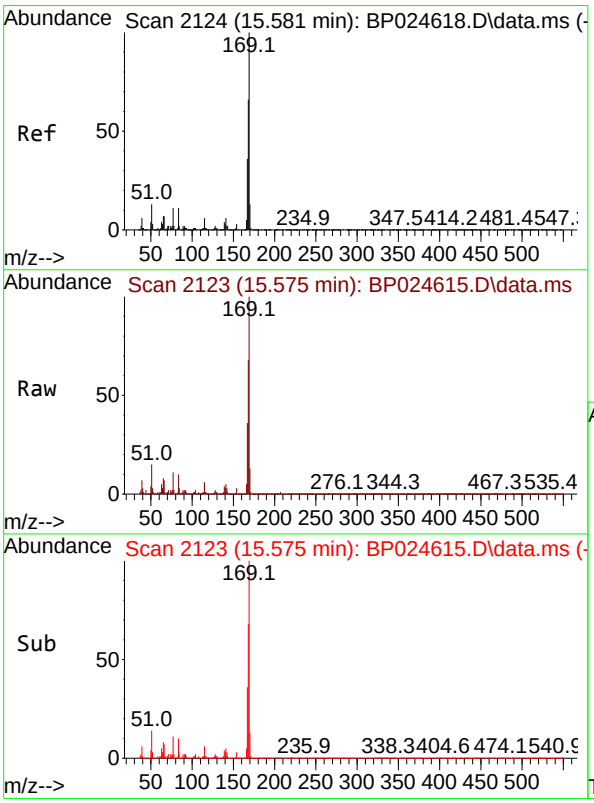
#65
4,6-Dinitro-2-methylphenol
Concen: 2.962 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 10171

Ion	Ratio	Lower	Upper
198	100		
51	48.7	21.1	61.1
105	50.0	23.6	63.6

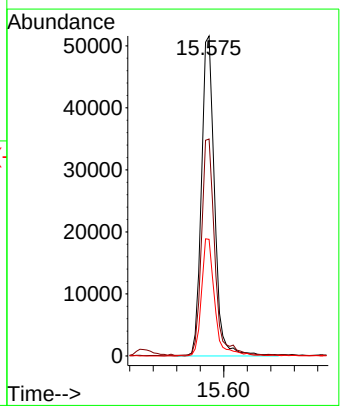


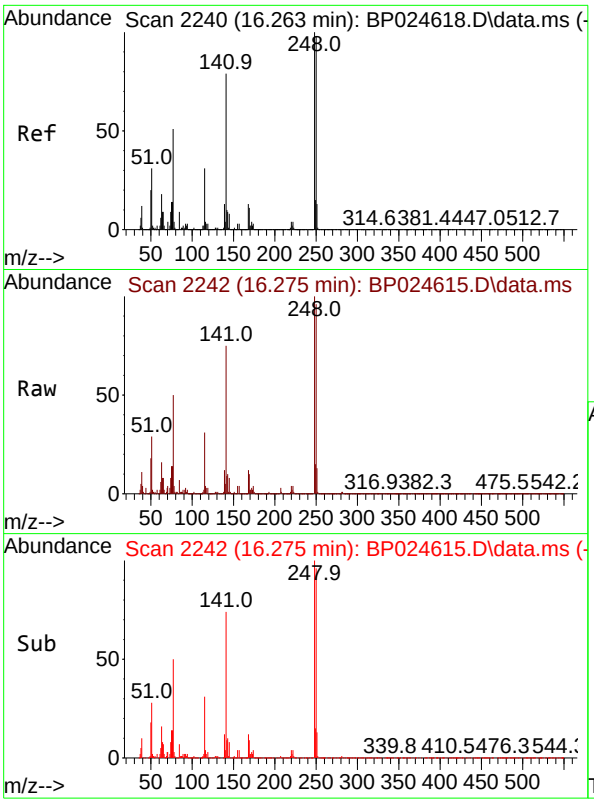


#66
n-Nitrosodiphenylamine
Concen: 4.905 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:169 Resp: 80078

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.2	79.8
167	36.5	28.6	43.0



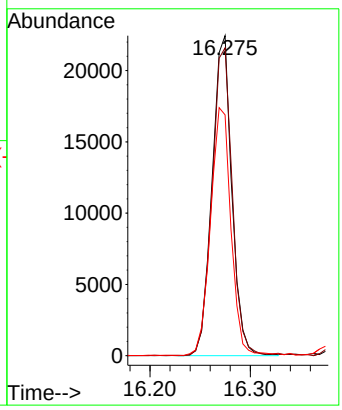


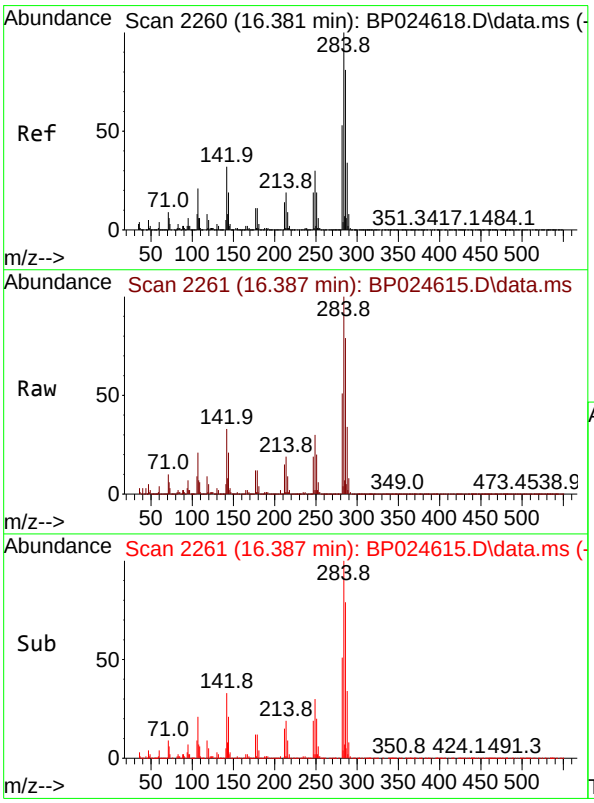
#67
4-Bromophenyl-phenylether
Concen: 4.902 ng
RT: 16.275 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 30702

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.2	117.4
141	75.3	63.0	94.6

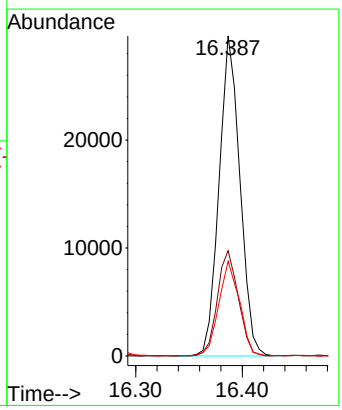


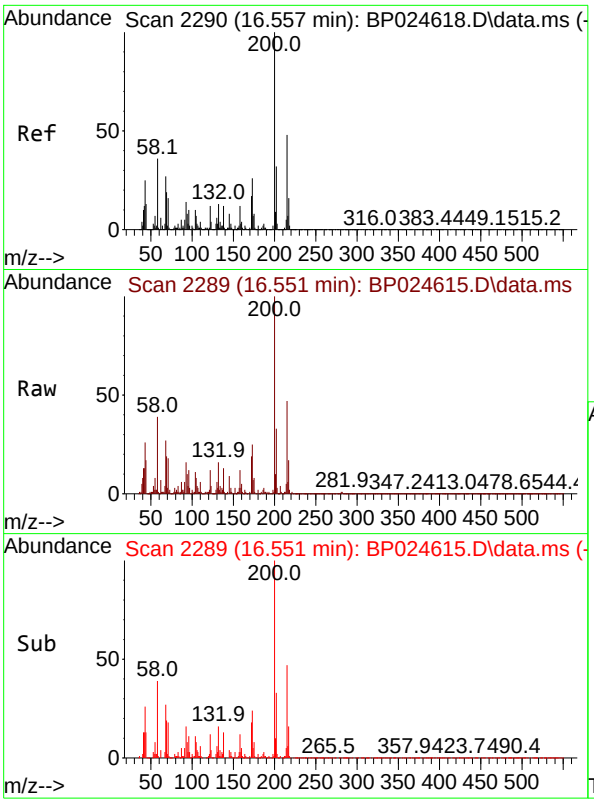


#68
Hexachlorobenzene
Concen: 5.055 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:284 Resp: 40234

Ion	Ratio	Lower	Upper
284	100		
142	32.9	25.9	38.9
249	29.6	24.1	36.1



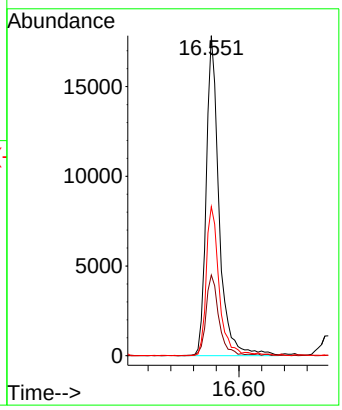


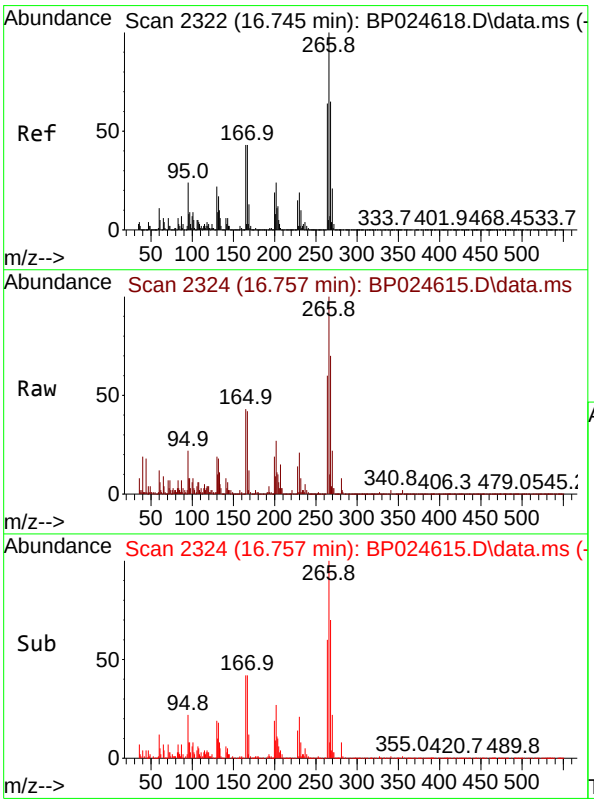
#69
Atrazine
Concen: 4.664 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 27909

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.9	45.9
215	46.5	28.3	68.3

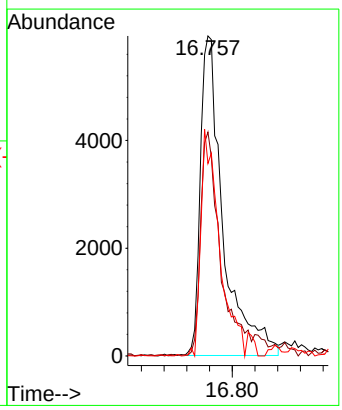


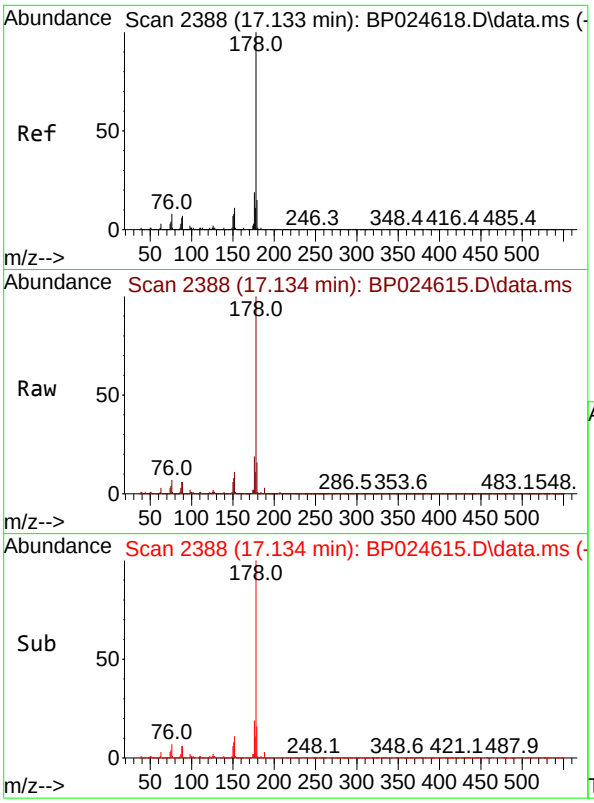


#70
Pentachlorophenol
Concen: 3.681 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:266 Resp: 16456

Ion	Ratio	Lower	Upper
266	100		
268	69.9	52.2	78.4
264	60.1	51.1	76.7



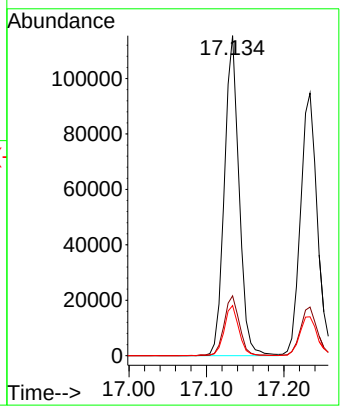


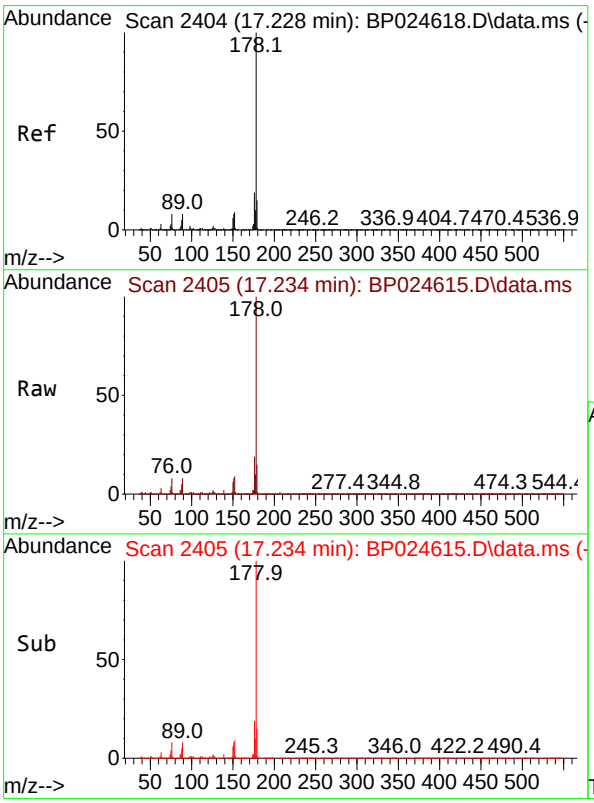
#71
Phenanthrene
Concen: 5.145 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 152030

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.2	18.4

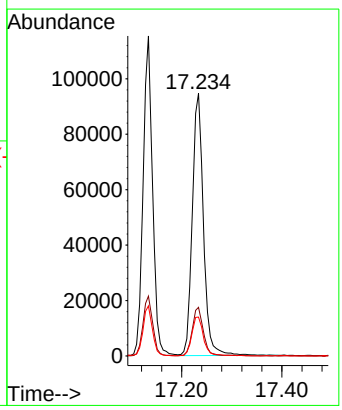


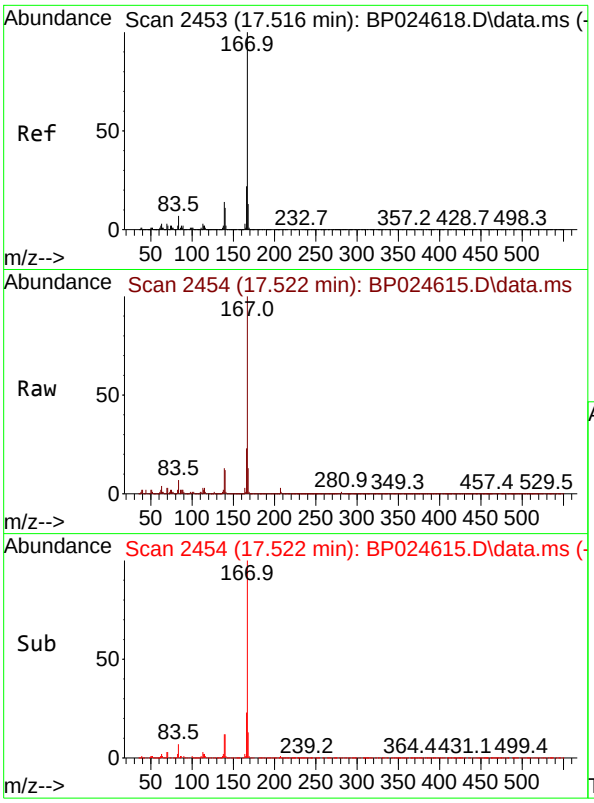


#72
Anthracene
Concen: 4.904 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 145809

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.8	12.2	18.2



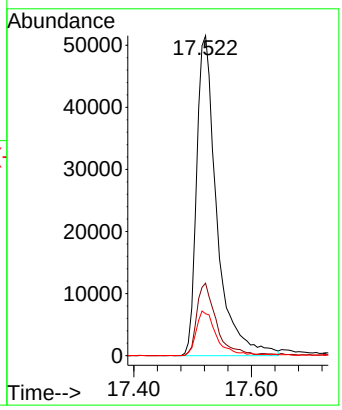


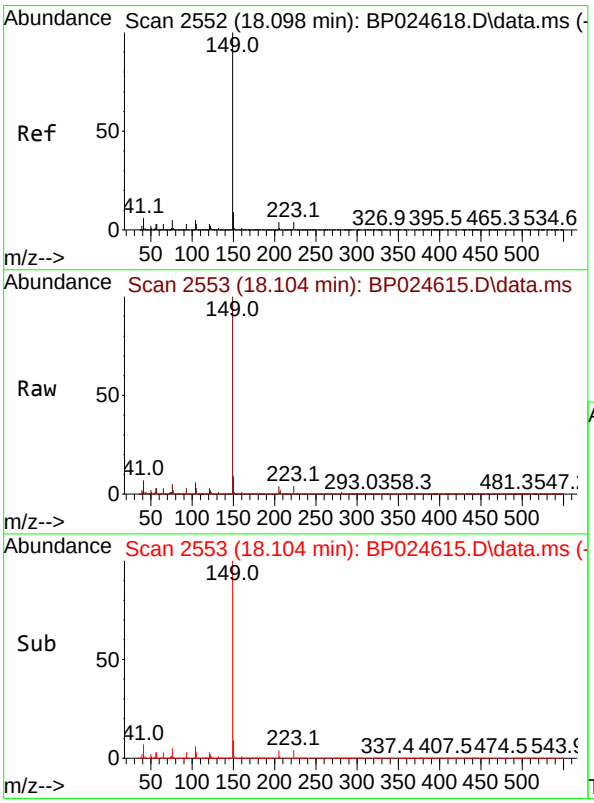
#73
Carbazole
Concen: 4.559 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 122666

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.7	26.5
139	13.1	11.3	16.9

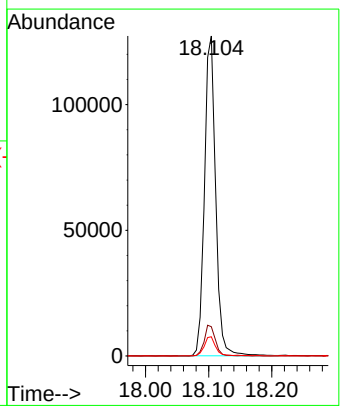


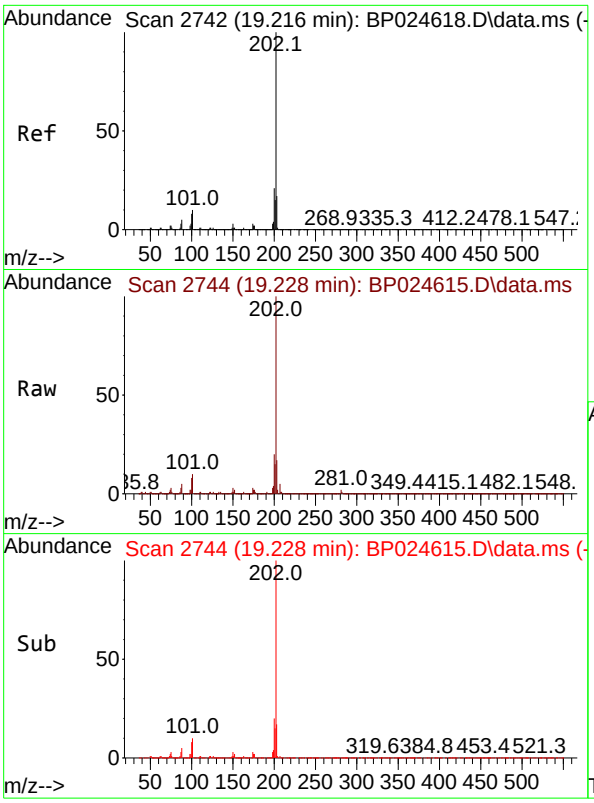


#74
Di-n-butylphthalate
Concen: 4.537 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 157014

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	6.0	4.3	6.5



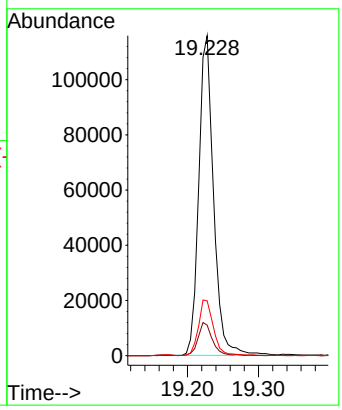


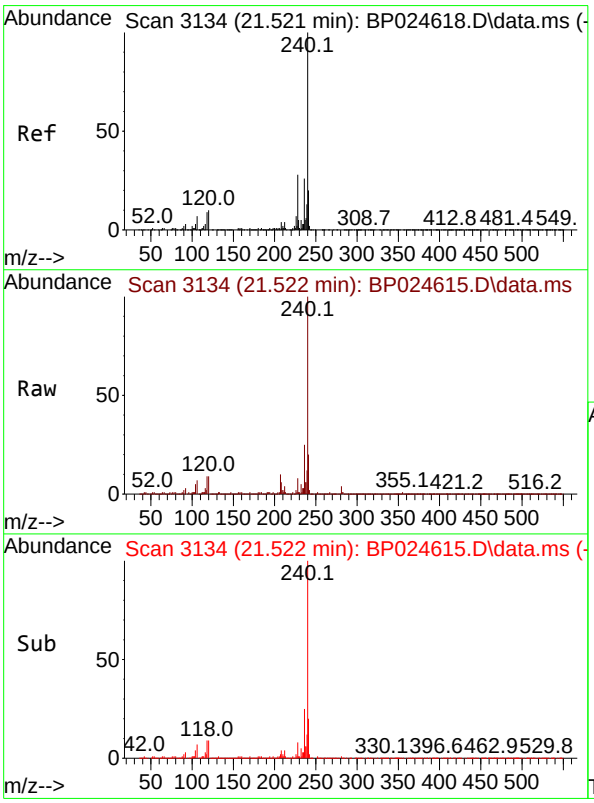
#75
Fluoranthene
Concen: 4.889 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 168865

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.2	0.0	37.5

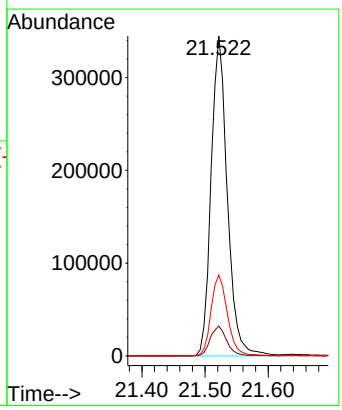


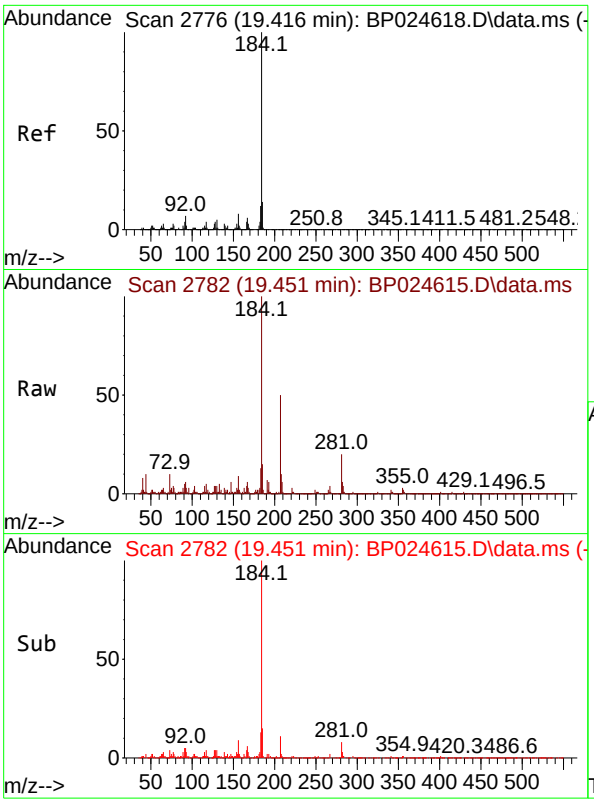


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:240 Resp: 614288

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.8	11.6
236	25.3	20.6	31.0



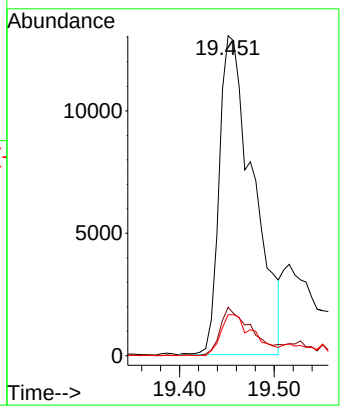


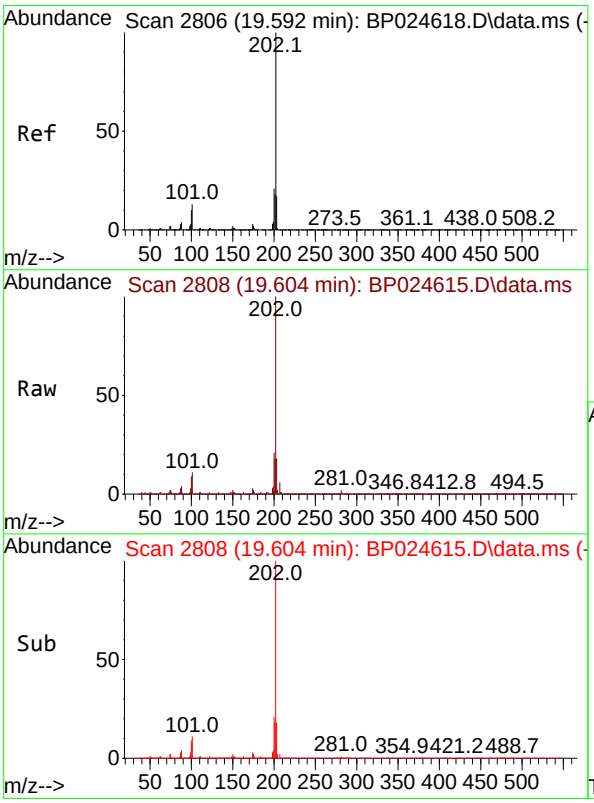
#77
Benzidine
Concen: 1.928 ng
RT: 19.451 min Scan# 2
Delta R.T. 0.035 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 32514

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.2	16.8
183	12.8	9.8	14.8

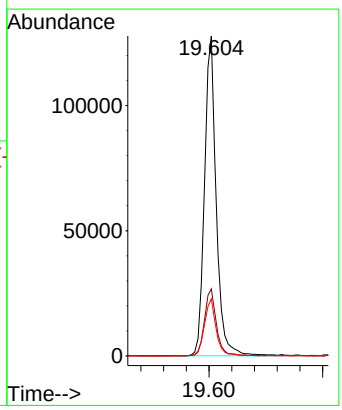


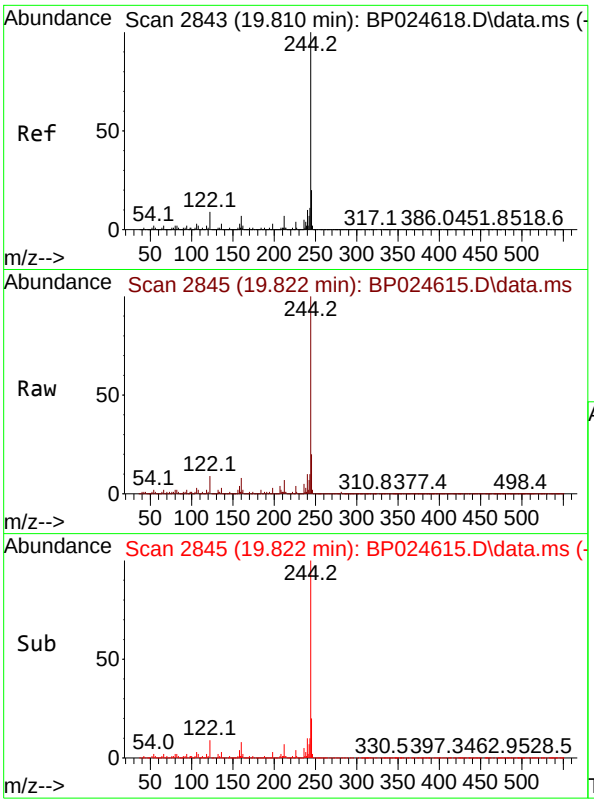


#78
Pyrene
Concen: 4.940 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 181817

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	13.9	20.9



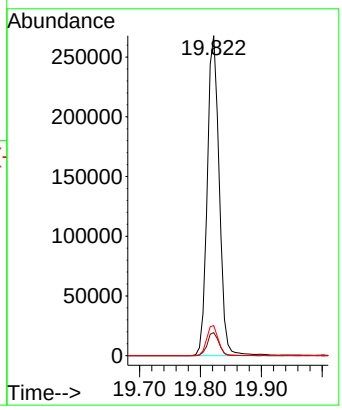


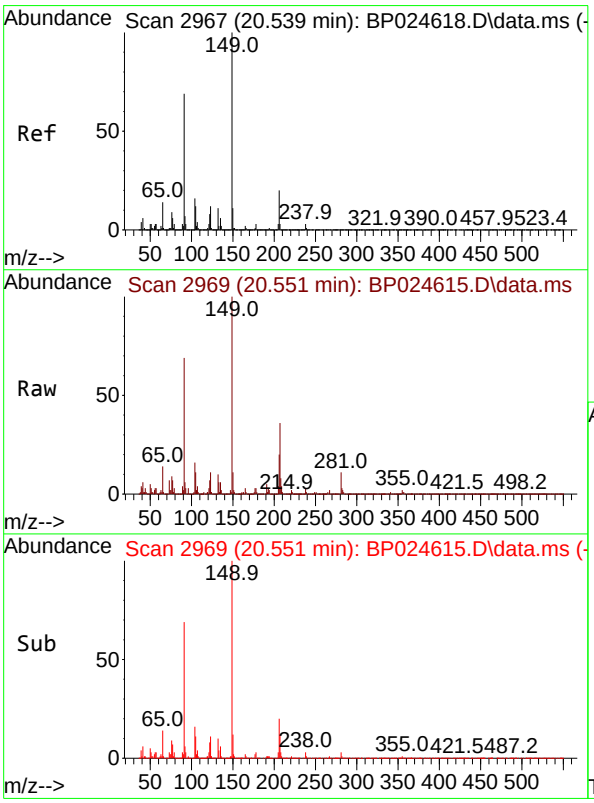
#79
Terphenyl-d14
Concen: 10.223 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 366245

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	9.4	7.4	11.0

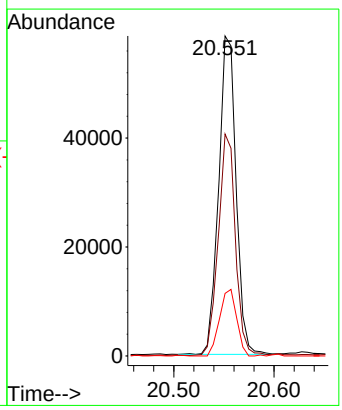


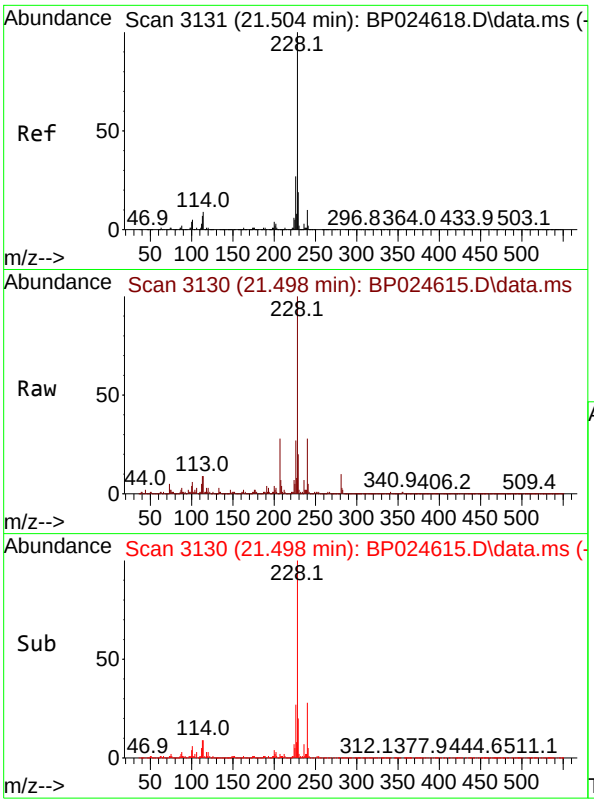


#80
Butylbenzylphthalate
Concen: 4.297 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 70341

Ion	Ratio	Lower	Upper
149	100		
91	69.3	55.4	83.0
206	19.5	16.2	24.2



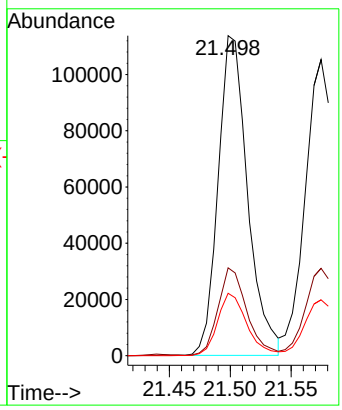


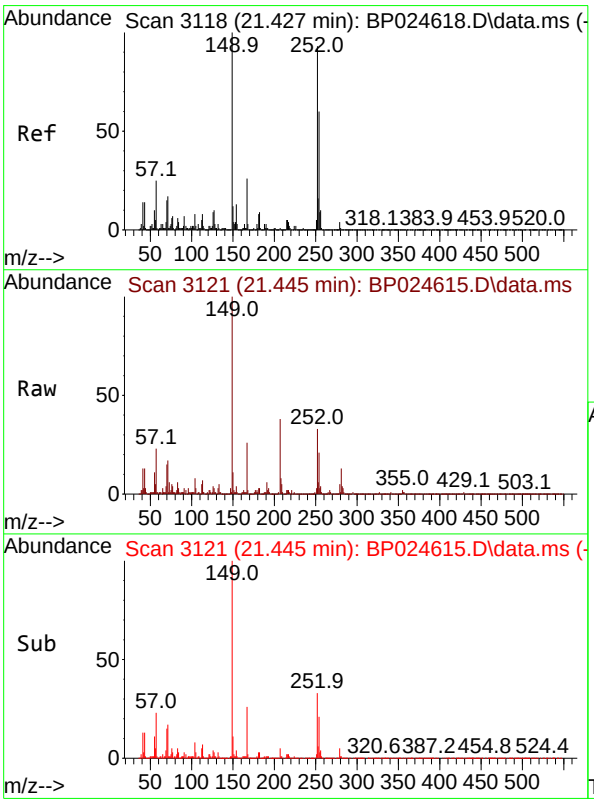
#81
Benzo(a)anthracene
Concen: 4.981 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 192110

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.5	15.5	23.3

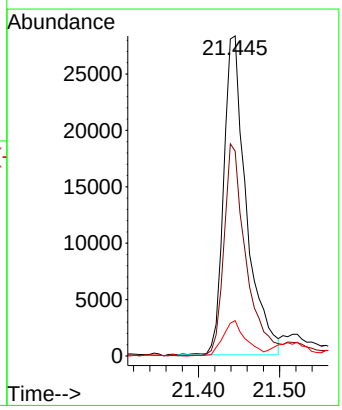


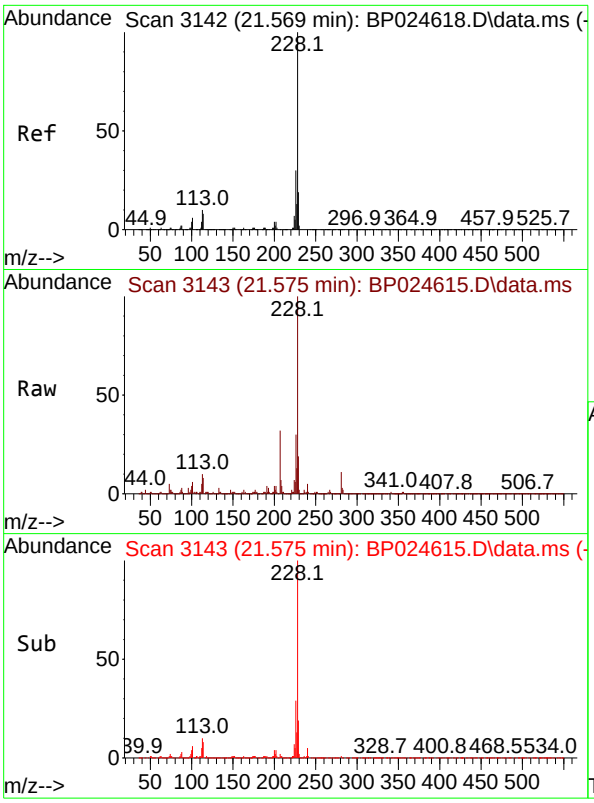


#82
3,3'-Dichlorobenzidine
Concen: 3.825 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 54793

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.6
126	11.0	7.7	11.5



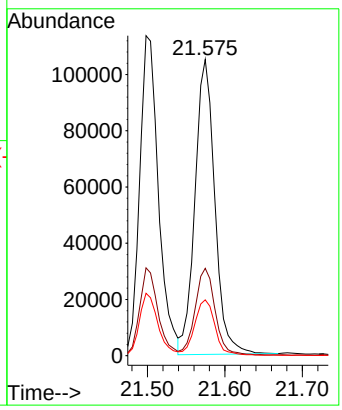


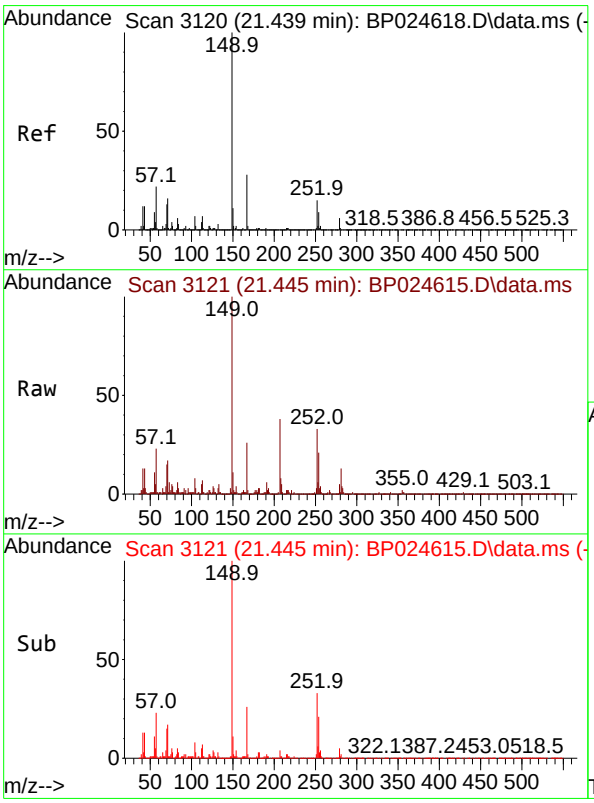
#83
Chrysene
Concen: 5.099 ng
RT: 21.575 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 186449

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	18.9	15.5	23.3

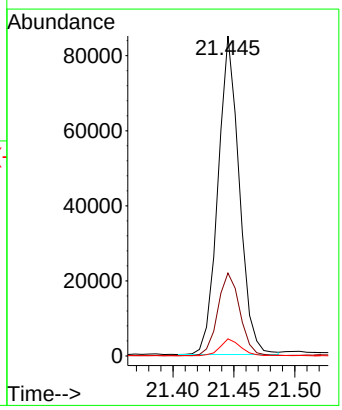


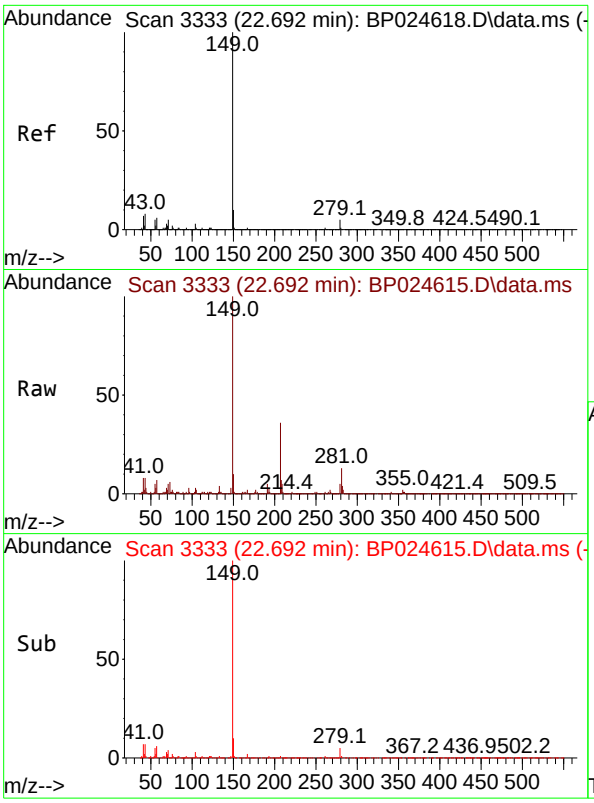


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.293 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 103286

Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.1	33.1
279	5.4	4.6	6.8



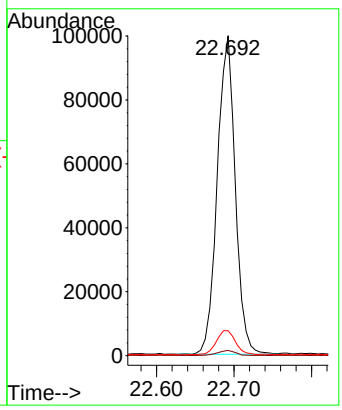


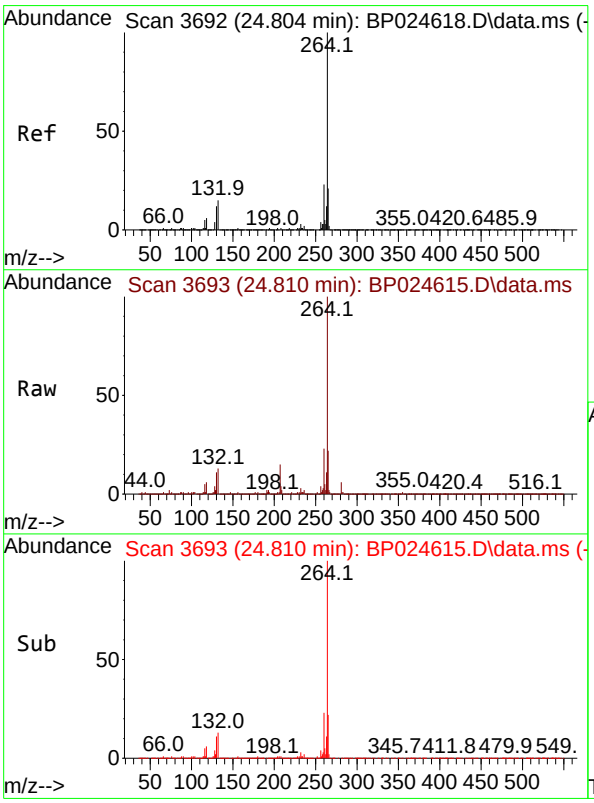
#85
Di-n-octyl phthalate
Concen: 4.089 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 160883

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.2	6.3	9.5

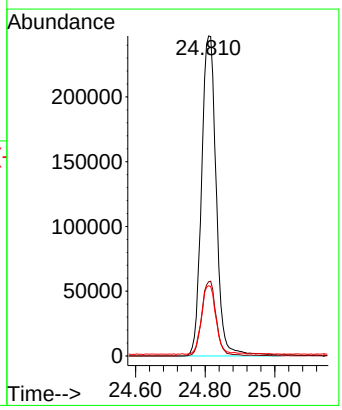


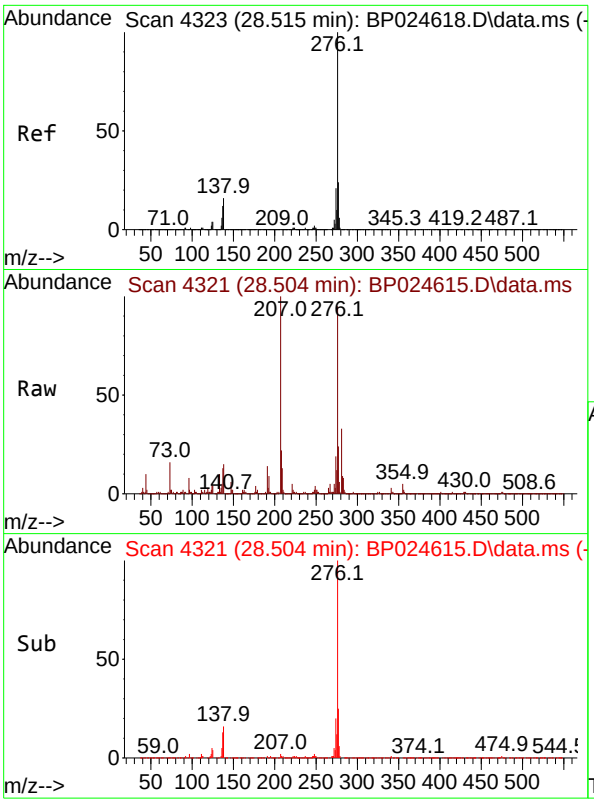


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:264 Resp: 724260

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	22.0	17.0	25.6



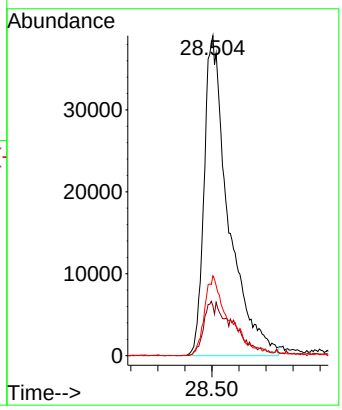


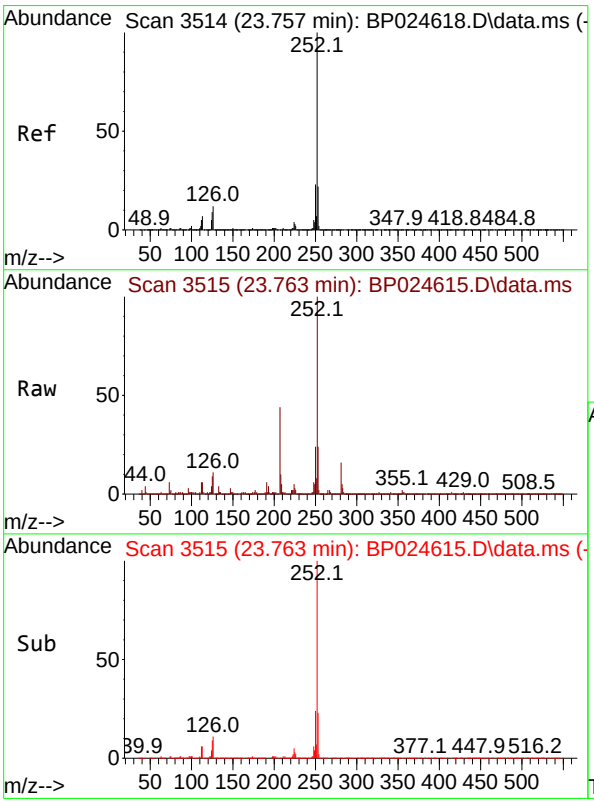
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.591 ng
RT: 28.504 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 242814

Ion	Ratio	Lower	Upper
276	100		
138	7.4	11.2	16.8#
277	24.4	15.7	23.5#

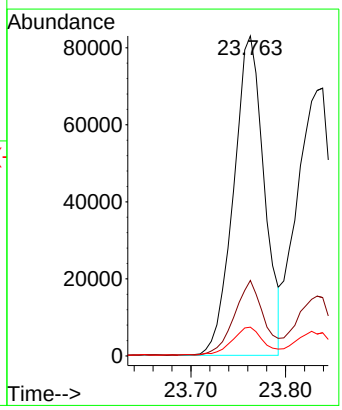


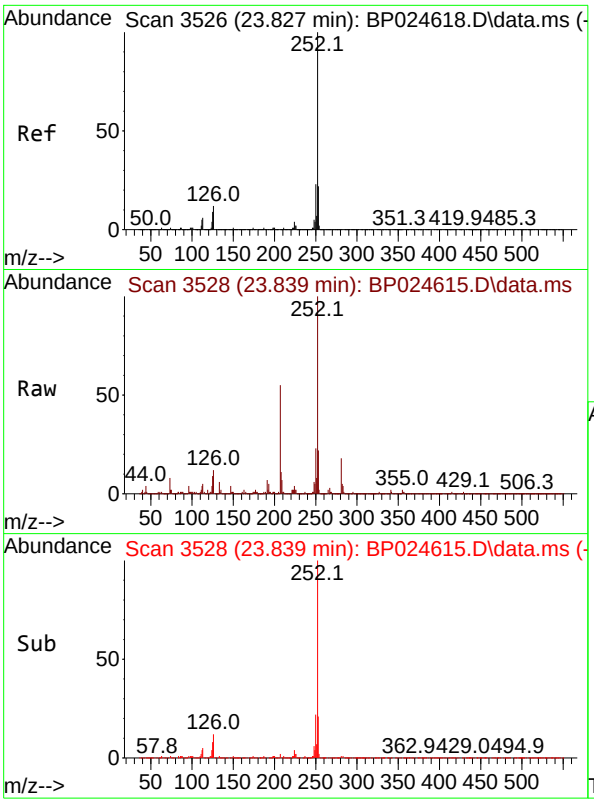


#88
Benzo(b)fluoranthene
Concen: 4.488 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 186058

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	9.0	7.5	11.3



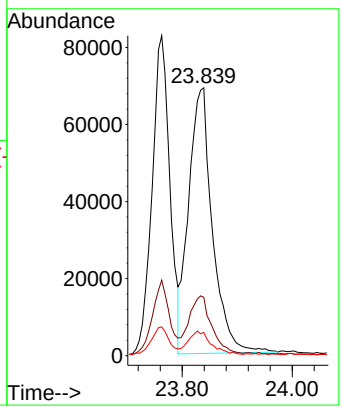


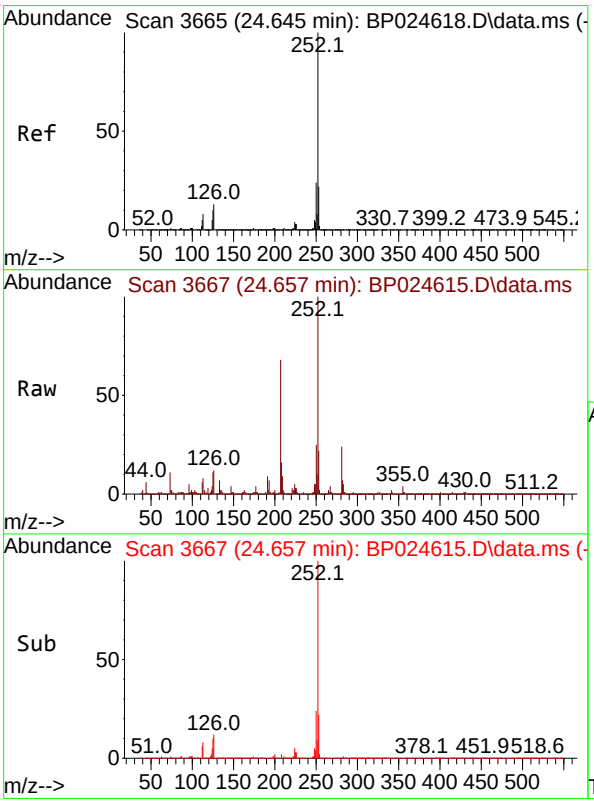
#89
Benzo(k)fluoranthene
Concen: 4.861 ng
RT: 23.839 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 207645

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.7	7.0	10.4

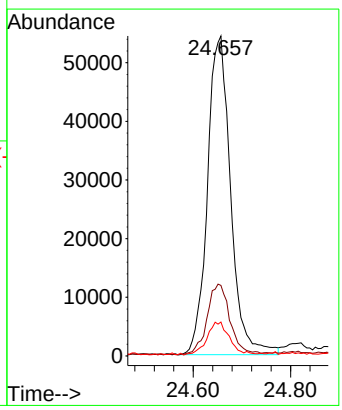


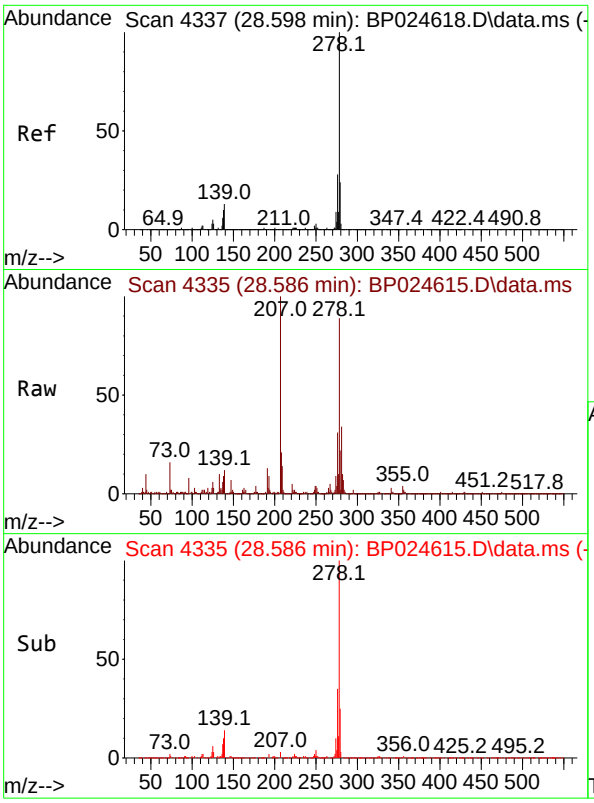


#90
Benzo(a)pyrene
Concen: 4.525 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 180157

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.6	8.1	12.1



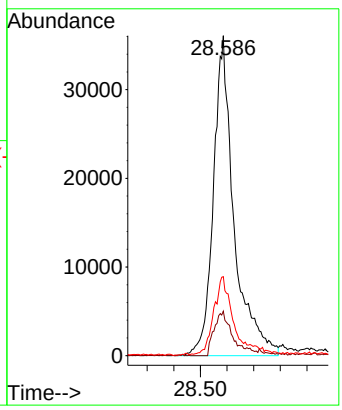


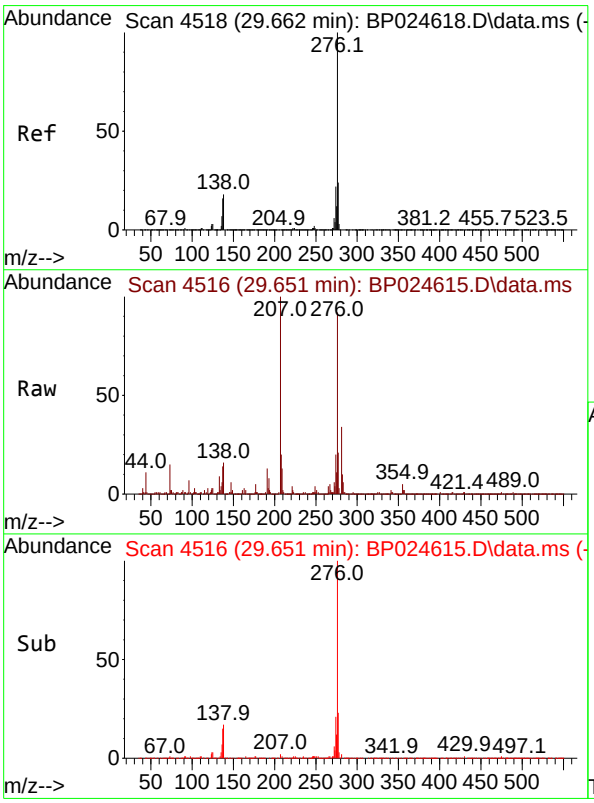
#91
Dibenzo(a,h)anthracene
Concen: 4.495 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 193373

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.2	15.4
279	24.7	19.0	28.4

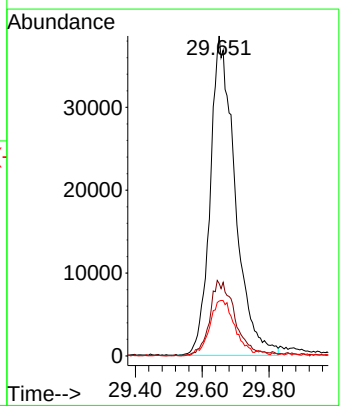




#92
Benzo(g,h,i)perylene
Concen: 4.660 ng
RT: 29.651 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 199361

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	17.2	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	94972	20.000	ng		0.00
21) Naphthalene-d8	10.434	136	398657	20.000	ng		0.00
39) Acenaphthene-d10	14.292	164	268335	20.000	ng		-0.01
64) Phenanthrene-d10	17.098	188	556673	20.000	ng		0.00
76) Chrysene-d12	21.516	240	659092	20.000	ng		0.00
86) Perylene-d12	24.798	264	780142	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	104115	18.750	ng		0.00
7) Phenol-d6	6.858	99	127652	18.013	ng		0.00
23) Nitrobenzene-d5	8.810	82	149876	18.996	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	86099	18.927	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	401986	19.627	ng		0.00
79) Terphenyl-d14	19.822	244	733687	19.088	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	26472	10.153	ng		99
3) Pyridine	3.634	79	53915	9.325	ng		98
4) n-Nitrosodimethylamine	3.540	42	24093	9.439	ng	#	96
6) Aniline	7.005	93	80863	8.838	ng		99
8) 2-Chlorophenol	7.240	128	57182	9.071	ng		99
9) Benzaldehyde	6.822	77	48904	10.679	ng		97
10) Phenol	6.881	94	66520	9.094	ng		96
11) bis(2-Chloroethyl)ether	7.093	93	55575	9.247	ng		99
12) 1,3-Dichlorobenzene	7.557	146	70590	9.734	ng		100
13) 1,4-Dichlorobenzene	7.699	146	71467	9.798	ng		99
14) 1,2-Dichlorobenzene	8.010	146	69643	9.799	ng		96
15) Benzyl Alcohol	7.916	79	45094	8.373	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	68599	9.531	ng		98
17) 2-Methylphenol	8.116	107	45071	8.591	ng		96
18) Hexachloroethane	8.728	117	28078	10.045	ng		96
19) n-Nitroso-di-n-propyla...	8.463	70	45927	9.369	ng		96
20) 3+4-Methylphenols	8.446	107	61832	8.665	ng		95
22) Acetophenone	8.481	105	95803	9.620	ng	#	99
24) Nitrobenzene	8.857	77	67735	9.755	ng		98
25) Isophorone	9.375	82	127474	9.314	ng		99
26) 2-Nitrophenol	9.563	139	28470	8.368	ng		94
27) 2,4-Dimethylphenol	9.628	122	55664	9.279	ng		98
28) bis(2-Chloroethoxy)met...	9.851	93	78019	9.542	ng		97
29) 2,4-Dichlorophenol	10.110	162	51386	8.840	ng		98
30) 1,2,4-Trichlorobenzene	10.304	180	64245	9.807	ng		96
31) Naphthalene	10.481	128	204468	9.897	ng		99
32) Benzoic acid	9.746	122	8077	8.435	ng		92
33) 4-Chloroaniline	10.610	127	73990	8.876	ng		99
34) Hexachlorobutadiene	10.769	225	42567	10.031	ng		97
35) Caprolactam	11.381	113	16855	8.019	ng		97
36) 4-Chloro-3-methylphenol	11.746	107	64857	9.149	ng		98
37) 2-Methylnaphthalene	12.098	142	130412	9.749	ng		100
38) 1-Methylnaphthalene	12.316	142	139573	9.752	ng		100
40) 1,2,4,5-Tetrachloroben...	12.475	216	74824	9.603	ng		100
41) Hexachlorocyclopentadiene	12.451	237	37072	7.846	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	45798	9.074	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.810	196	50348	8.962	ng		94
46) 1,1'-Biphenyl	13.122	154	192445	9.703	ng		100
47) 2-Chloronaphthalene	13.163	162	148443	9.816	ng		99
48) 2-Nitroaniline	13.375	65	40786	9.110	ng		93
49) Acenaphthylene	14.010	152	243913	9.638	ng		98
50) Dimethylphthalate	13.751	163	204825	10.015	ng		99
51) 2,6-Dinitrotoluene	13.869	165	41257	9.551	ng		92
52) Acenaphthene	14.357	154	141360	9.717	ng		99
53) 3-Nitroaniline	14.216	138	36906	8.368	ng		99
54) 2,4-Dinitrophenol	14.439	184	13128	10.835	ng		95
55) Dibenzofuran	14.704	168	230286	9.924	ng		99
56) 4-Nitrophenol	14.575	139	21349	9.529	ng		93
57) 2,4-Dinitrotoluene	14.675	165	56617	9.297	ng		94
58) Fluorene	15.357	166	189781	10.030	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	48821	9.368	ng		99
60) Diethylphthalate	15.134	149	206886	10.008	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	93517	9.910	ng		97
62) 4-Nitroaniline	15.404	138	27520	6.409	ng		92
63) Azobenzene	15.657	77	174322	9.858	ng		98
65) 4,6-Dinitro-2-methylph...	15.457	198	26174	7.279	ng		96
66) n-Nitrosodiphenylamine	15.575	169	164008	9.592	ng		99
67) 4-Bromophenyl-phenylether	16.269	248	62011	9.454	ng		97
68) Hexachlorobenzene	16.392	284	80088	9.609	ng		98
69) Atrazine	16.551	200	58245	9.295	ng		99
70) Pentachlorophenol	16.757	266	36201	7.733	ng		99
71) Phenanthrene	17.139	178	301863	9.754	ng		100
72) Anthracene	17.239	178	296146	9.512	ng		100
73) Carbazole	17.522	167	262687	9.322	ng		100
74) Di-n-butylphthalate	18.116	149	338893	9.351	ng		100
75) Fluoranthene	19.227	202	349083	9.650	ng		99
77) Benzidine	19.445	184	96179	5.316	ng		99
78) Pyrene	19.604	202	374573	9.485	ng		100
80) Butylbenzylphthalate	20.551	149	153275	8.727	ng		99
81) Benzo(a)anthracene	21.498	228	401322	9.697	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	129324	8.413	ng		99
83) Chrysene	21.569	228	388846	9.912	ng		98
84) Bis(2-ethylhexyl)phtha...	21.439	149	225047	8.718	ng		100
85) Di-n-octyl phthalate	22.680	149	367934	8.716	ng		100
87) Indeno(1,2,3-cd)pyrene	28.503	276	529260	9.290	ng	#	92
88) Benzo(b)fluoranthene	23.751	252	417343	9.346	ng		99
89) Benzo(k)fluoranthene	23.821	252	431575	9.379	ng		99
90) Benzo(a)pyrene	24.627	252	390288	9.100	ng		100
91) Dibenzo(a,h)anthracene	28.574	278	415768	8.973	ng		99
92) Benzo(g,h,i)perylene	29.650	276	431559	9.366	ng		97

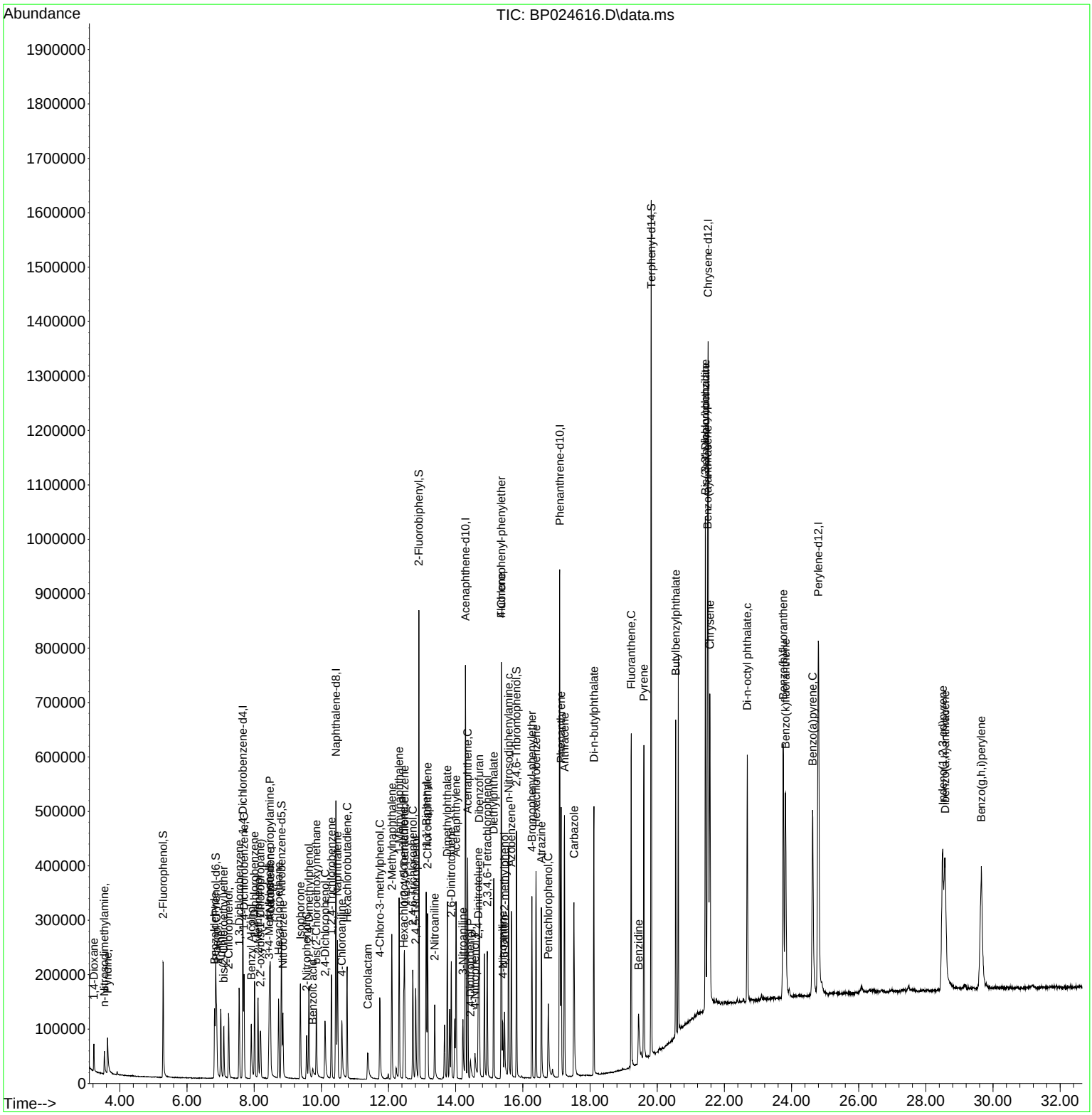
(#) = qualifier out of range (m) = manual integration (+) = signals summed

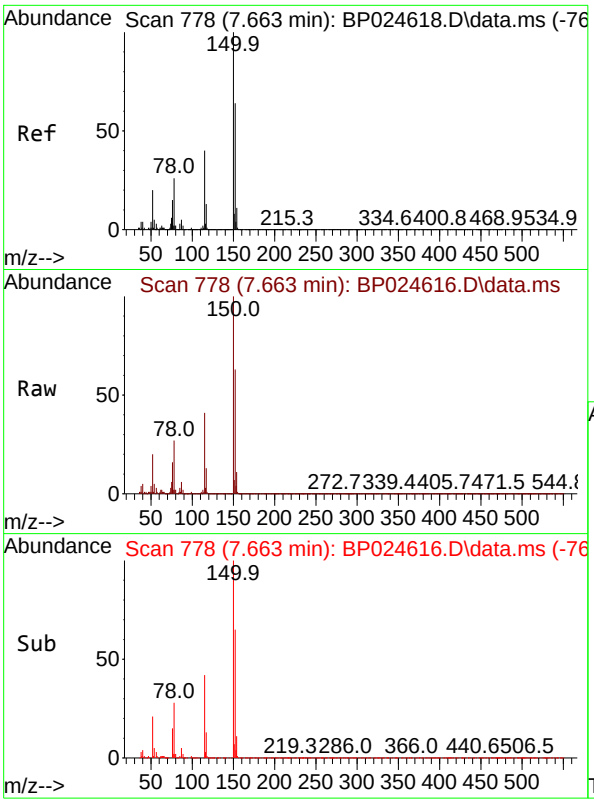
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



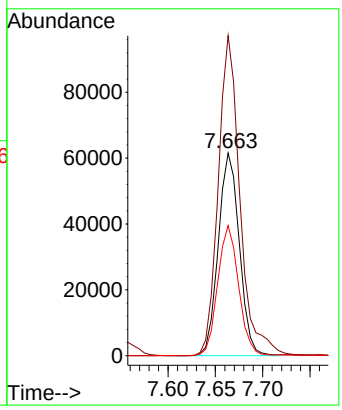


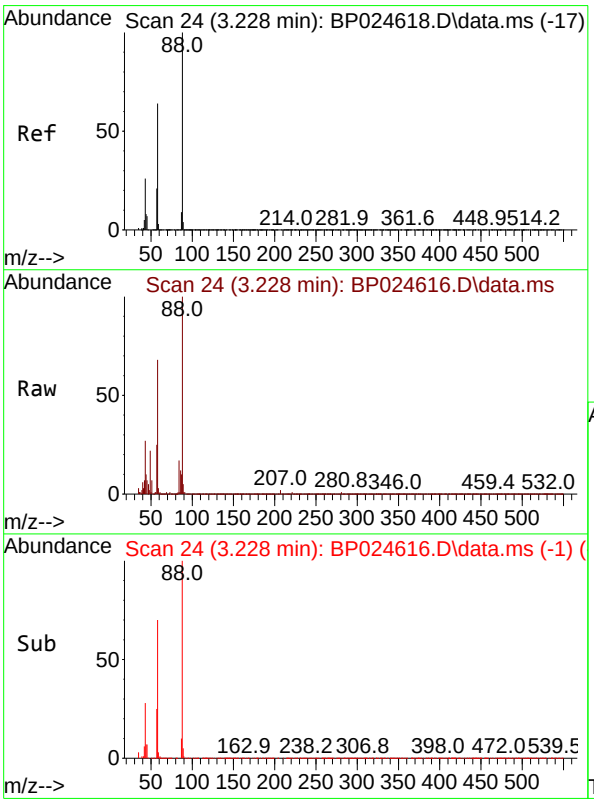
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 94972

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.2	50.1	75.1

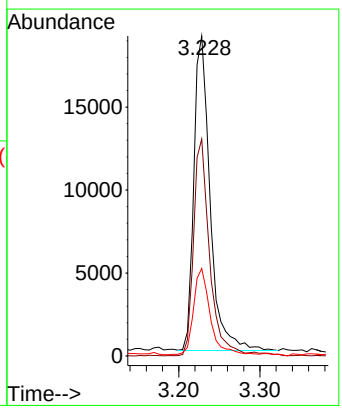


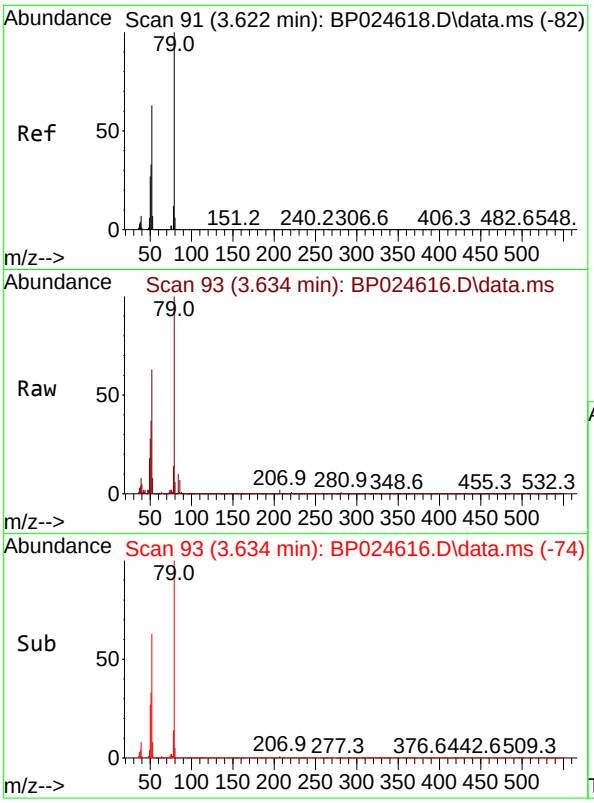


#2
1,4-Dioxane
Concen: 10.153 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 88 Resp: 26472

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.0	81.0
43	27.8	21.4	32.0



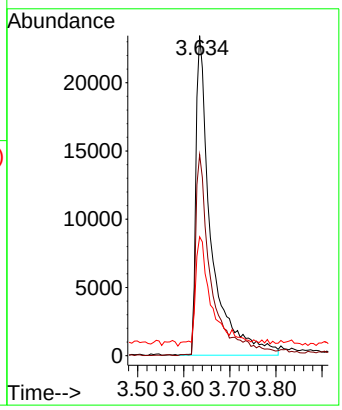


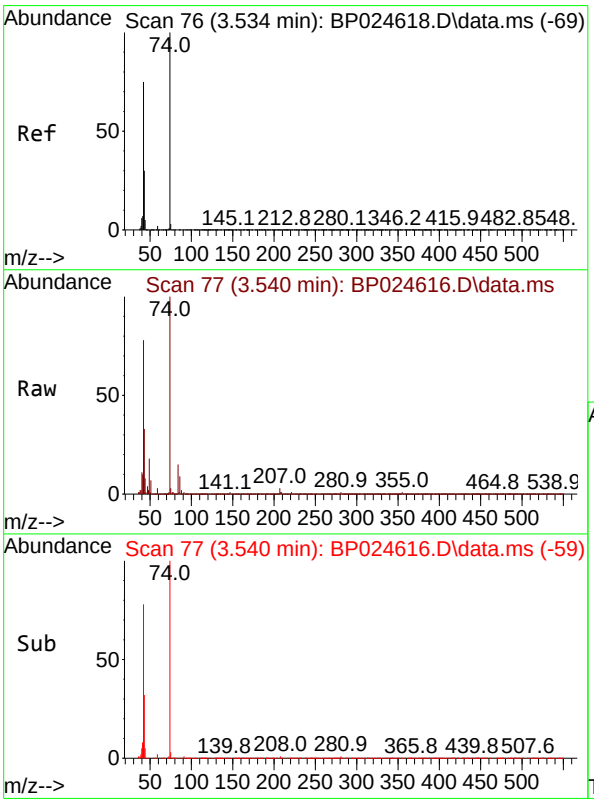
#3
Pyridine
Concen: 9.325 ng
RT: 3.634 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 53915

Ion	Ratio	Lower	Upper
79	100		
52	62.8	50.2	75.2
51	37.1	26.8	40.2

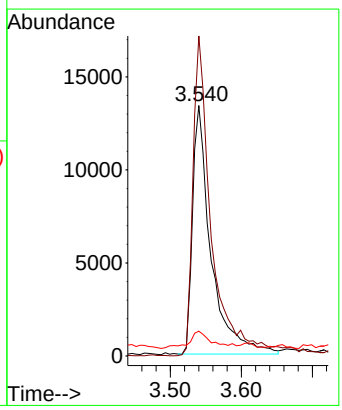


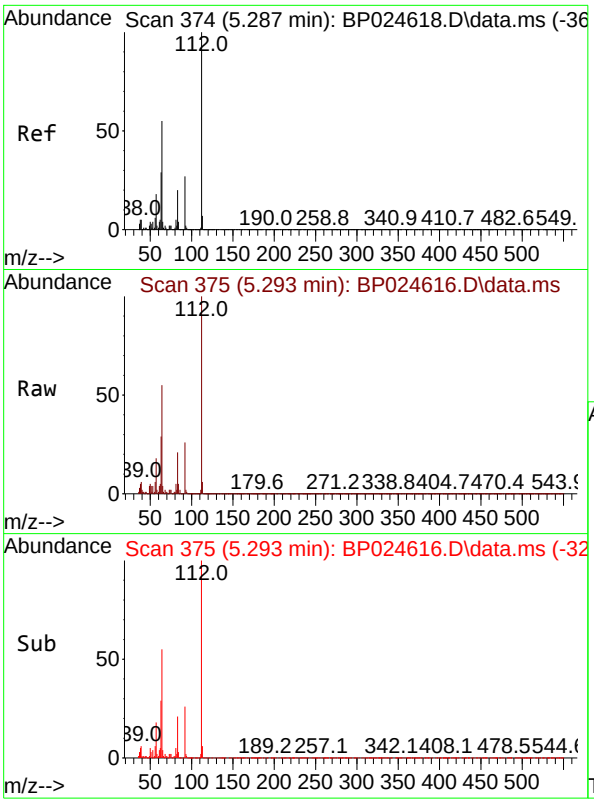


#4
n-Nitrosodimethylamine
Concen: 9.439 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 42 Resp: 24093

Ion	Ratio	Lower	Upper
42	100		
74	127.8	106.2	159.2
44	9.9	5.4	8.2#



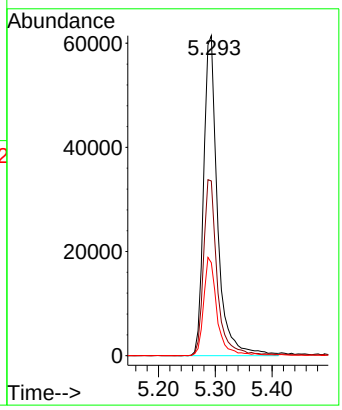


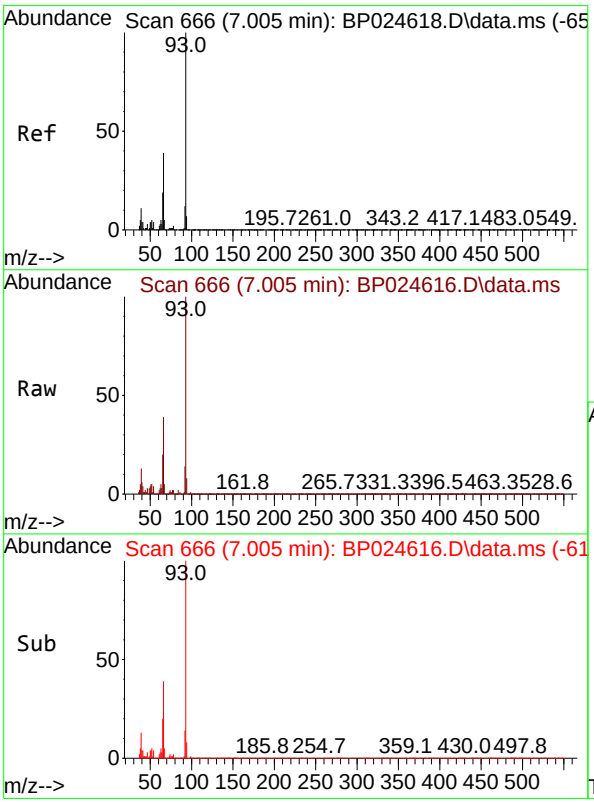
#5
2-Fluorophenol
Concen: 18.750 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 104115

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.1	66.1
63	29.0	23.5	35.3

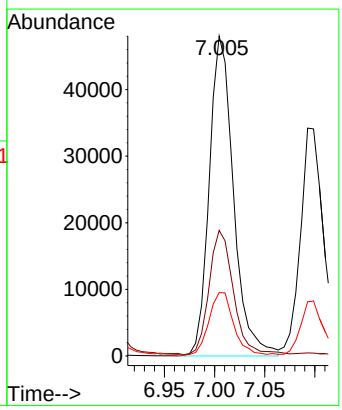


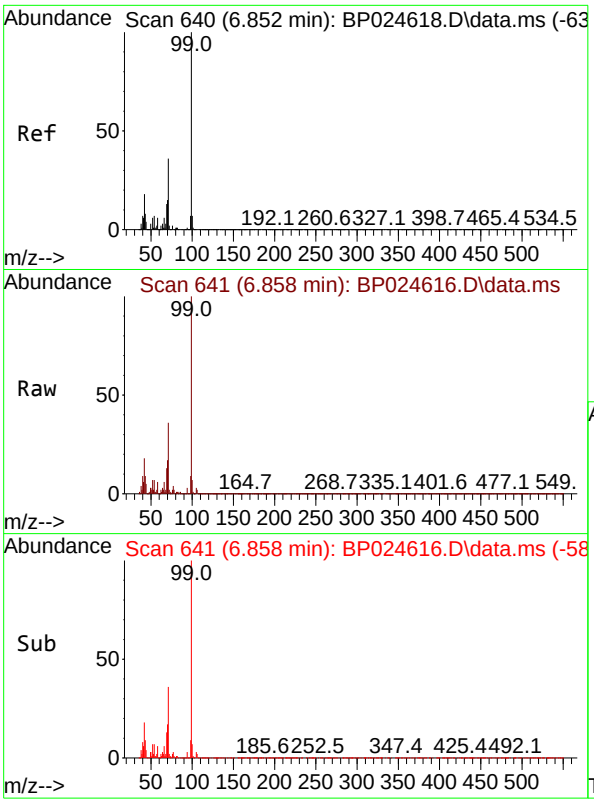


#6
Aniline
Concen: 8.838 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 80863

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.0	46.6
65	19.8	15.5	23.3



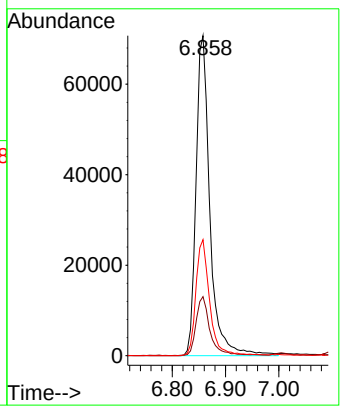


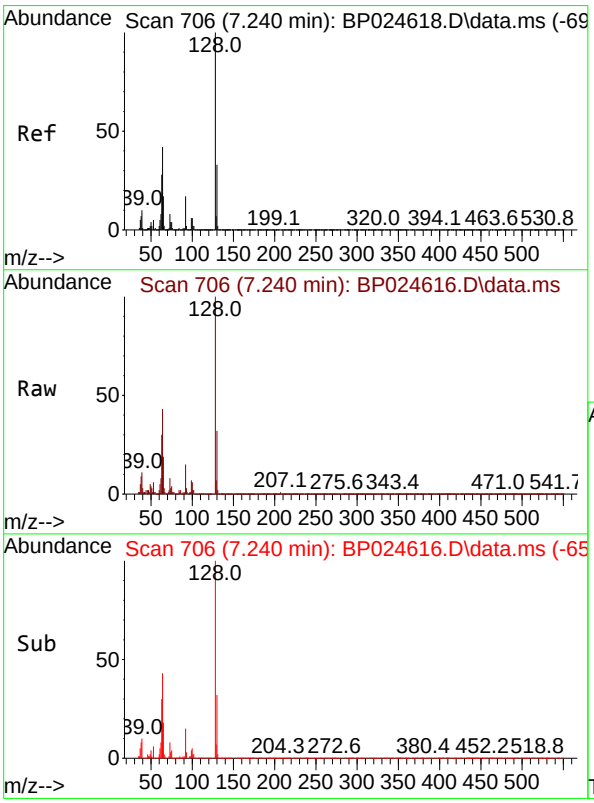
#7
Phenol-d6
Concen: 18.013 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 127652

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.4	21.6
71	36.3	29.2	43.8

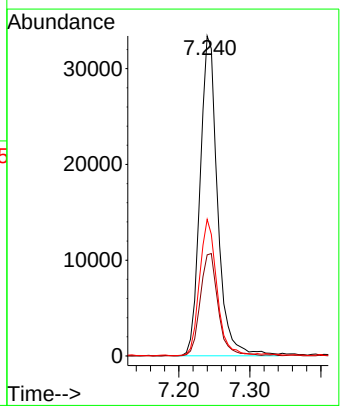


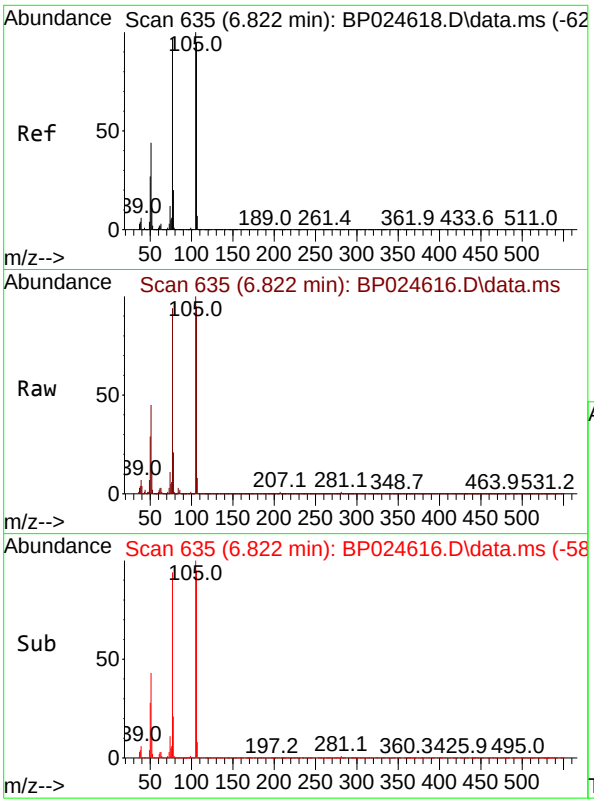


#8
2-Chlorophenol
Concen: 9.071 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 57182

Ion	Ratio	Lower	Upper
128	100		
130	31.6	13.0	53.0
64	42.7	22.3	62.3



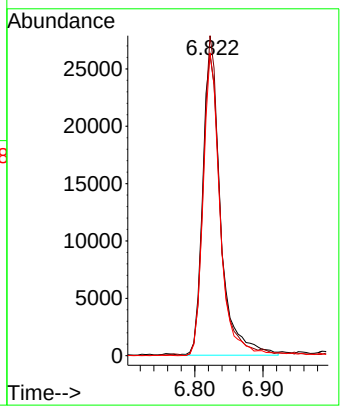


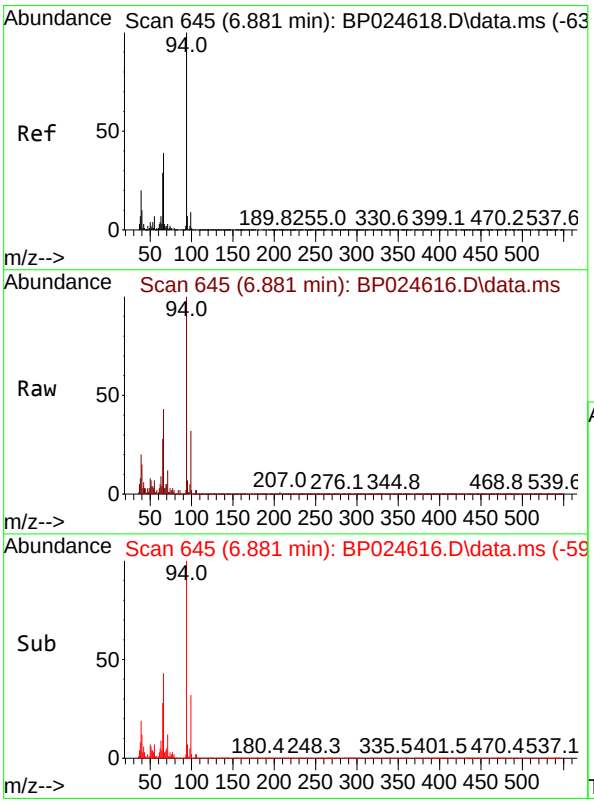
#9
Benzaldehyde
Concen: 10.679 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 48904

Ion	Ratio	Lower	Upper
77	100		
105	106.2	83.3	123.3
106	100.5	78.0	118.0

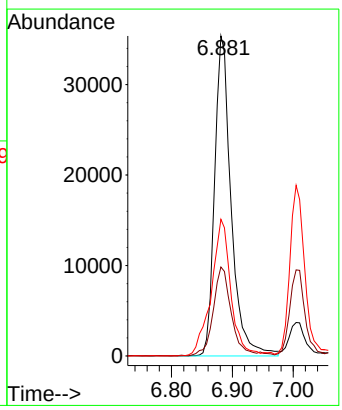


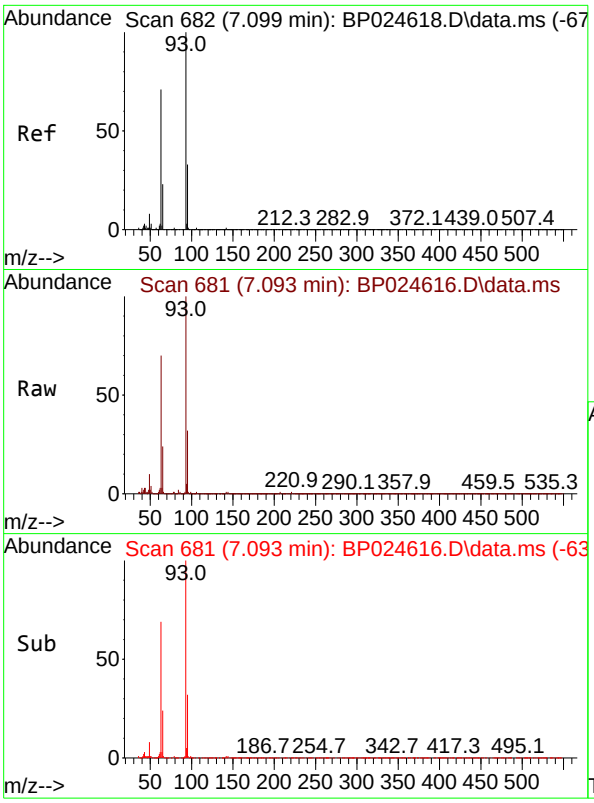


#10
Phenol
Concen: 9.094 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 94 Resp: 66520

Ion	Ratio	Lower	Upper
94	100		
65	27.8	8.7	48.7
66	42.7	19.4	59.4



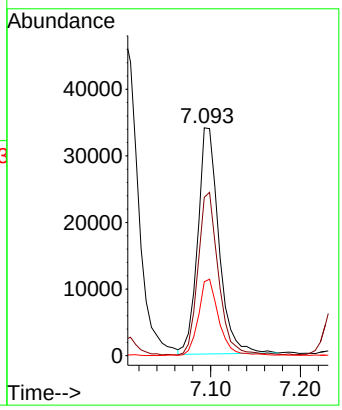


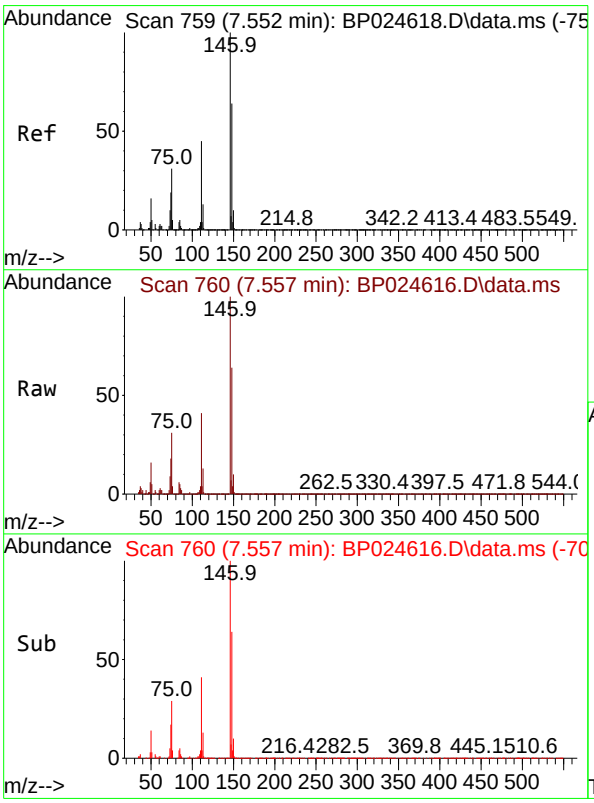
#11
bis(2-Chloroethyl)ether
Concen: 9.247 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 55575

Ion	Ratio	Lower	Upper
93	100		
63	69.5	50.6	90.6
95	32.4	12.9	52.9

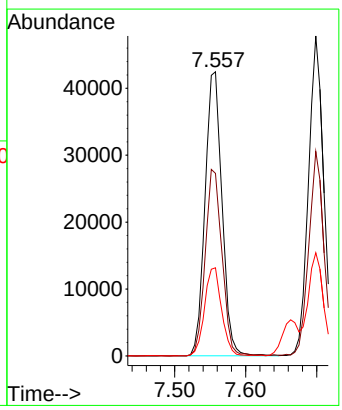


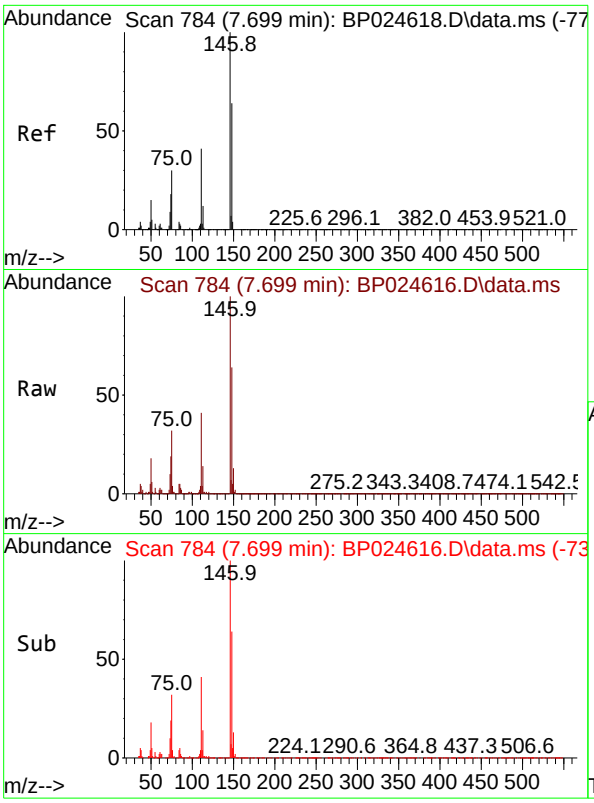


#12
1,3-Dichlorobenzene
Concen: 9.734 ng
RT: 7.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 70590

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	31.1	25.2	37.8



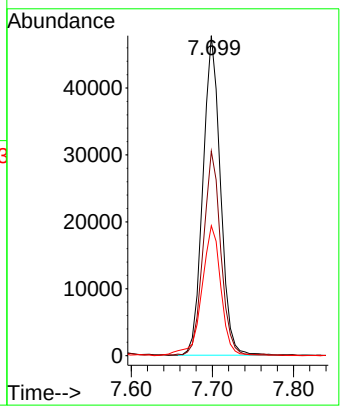


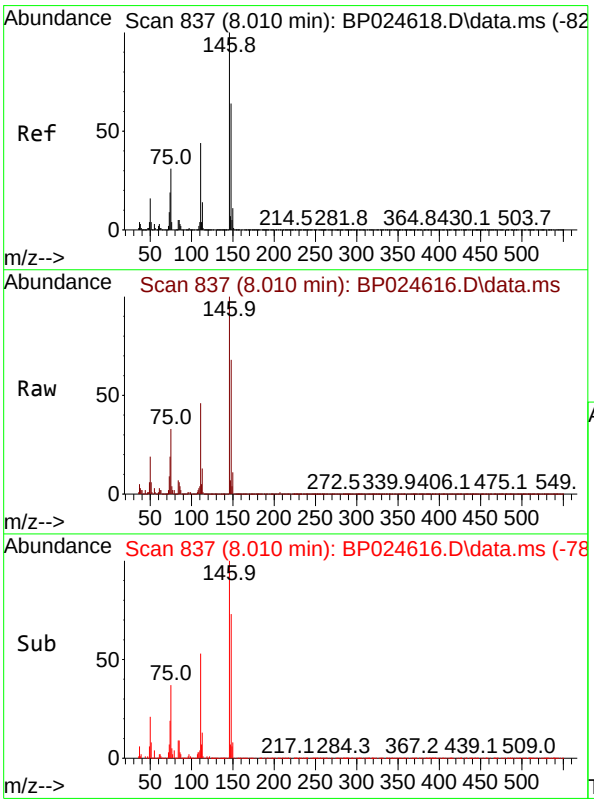
#13
1,4-Dichlorobenzene
Concen: 9.798 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 71467

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	40.6	33.0	49.6

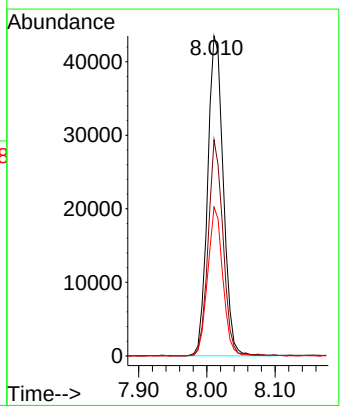


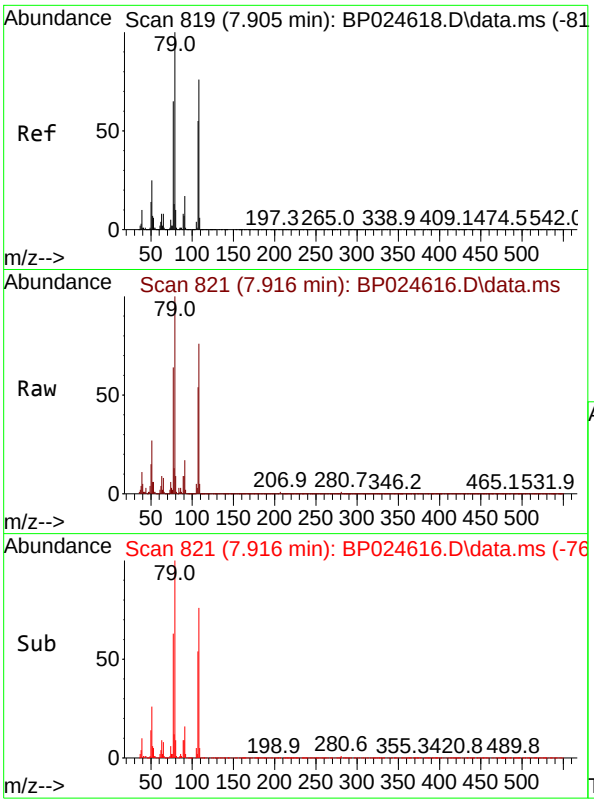


#14
1,2-Dichlorobenzene
Concen: 9.799 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 69643

Ion	Ratio	Lower	Upper
146	100		
148	67.5	51.0	76.4
111	46.5	35.2	52.8



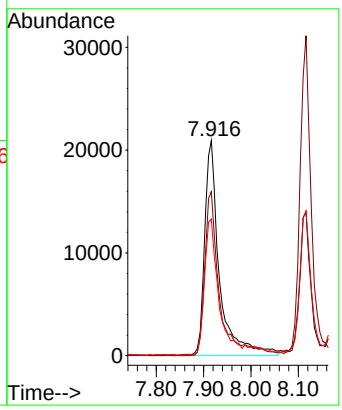


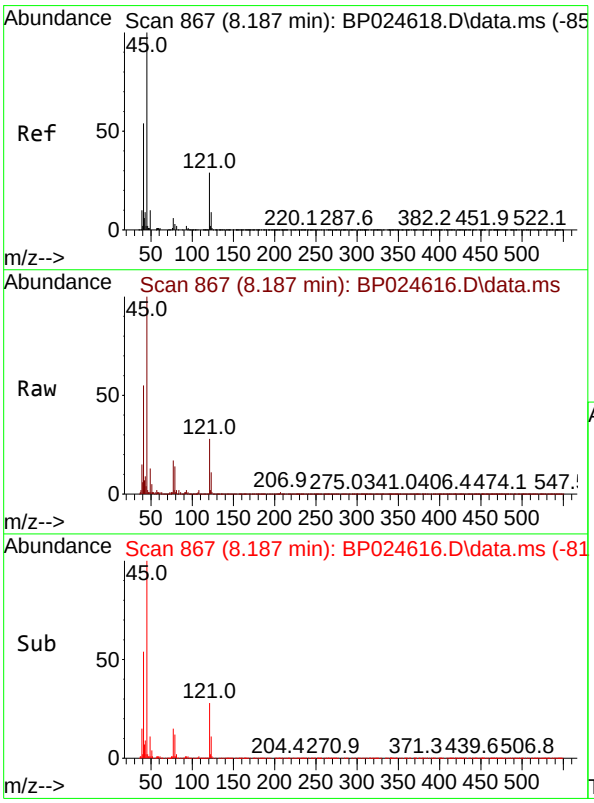
#15
Benzyl Alcohol
Concen: 8.373 ng
RT: 7.916 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 45094

Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.8	91.2
77	63.5	51.9	77.9

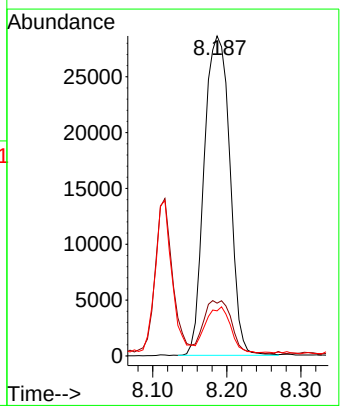


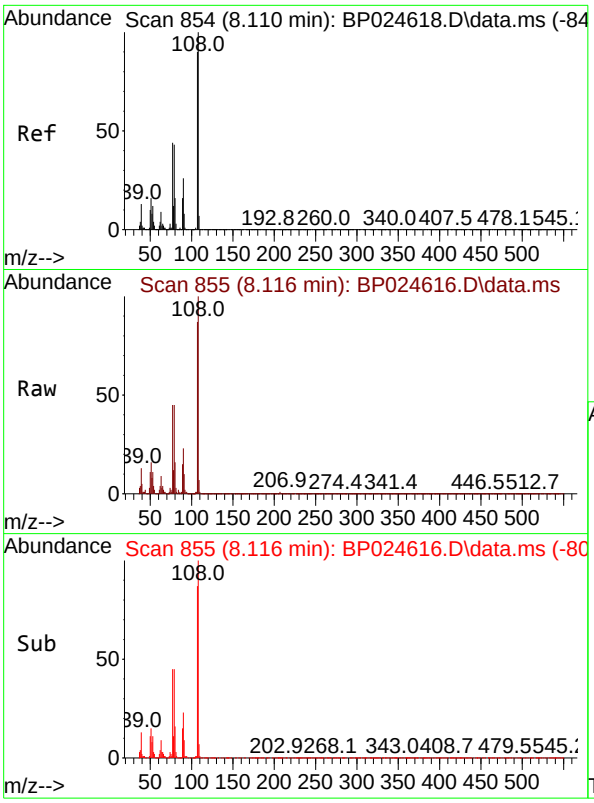


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.531 ng
RT: 8.187 min Scan# 867
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 45 Resp: 68599

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.7
79	14.1	0.0	34.0



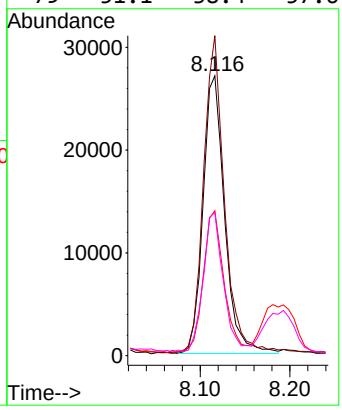


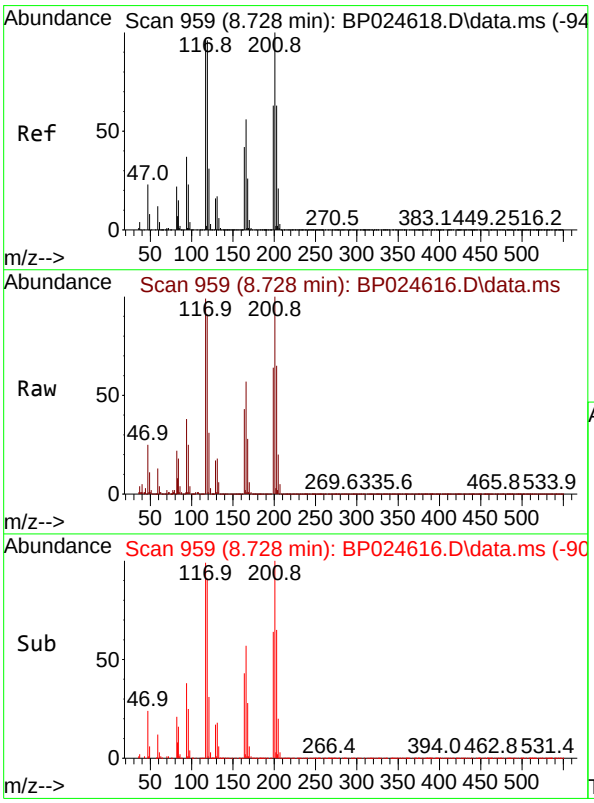
#17
2-Methylphenol
Concen: 8.591 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 45071

Ion	Ratio	Lower	Upper
107	100		
108	114.4	88.9	133.3
77	51.8	39.0	58.6
79	51.1	38.4	57.6

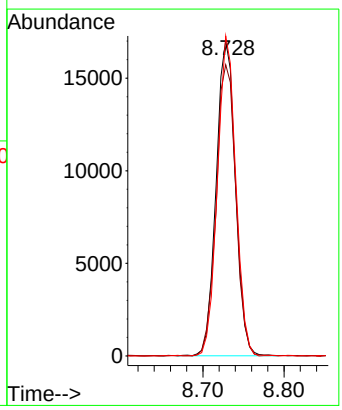


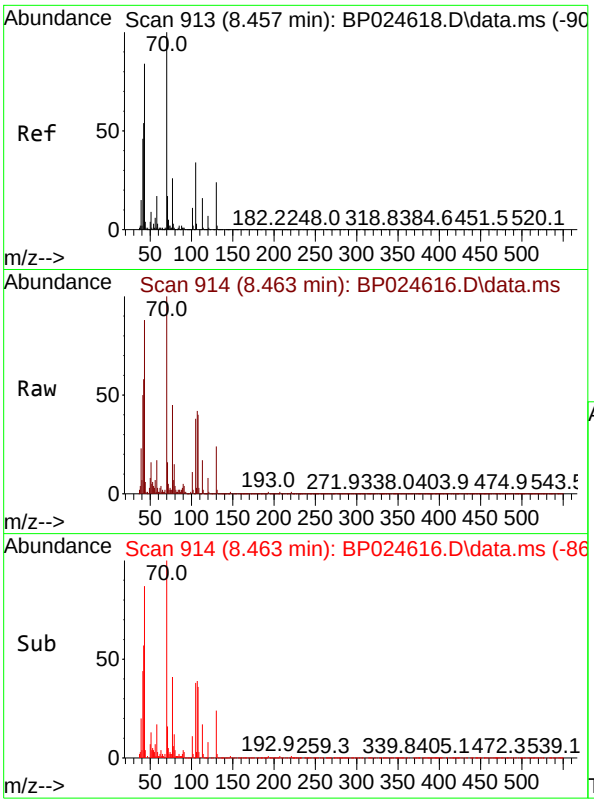


#18
Hexachloroethane
Concen: 10.045 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:117 Resp: 28078

Ion	Ratio	Lower	Upper
117	100		
119	92.3	79.4	119.0
201	101.4	82.7	124.1



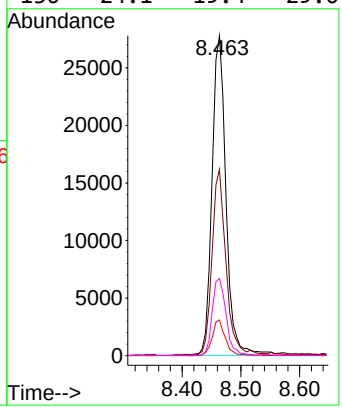


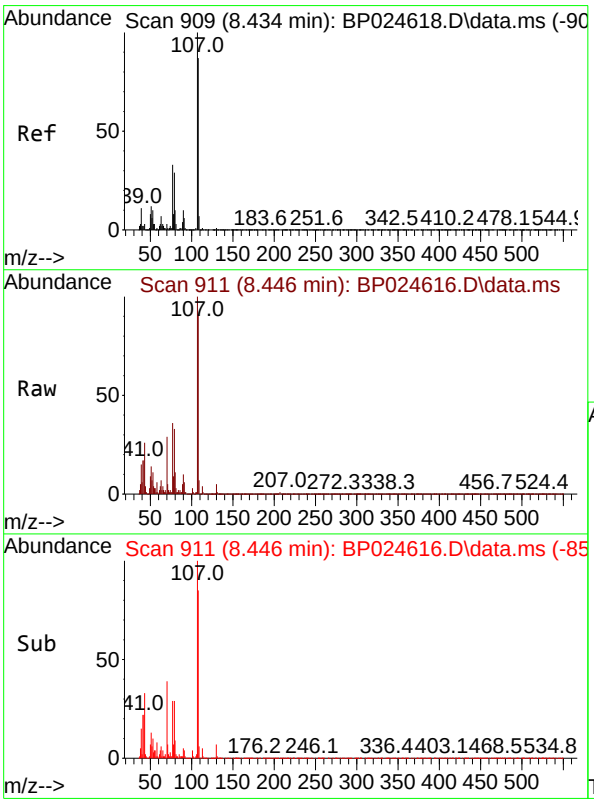
#19
n-Nitroso-di-n-propylamine
Concen: 9.369 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 45927

Ion	Ratio	Lower	Upper
70	100		
42	58.2	43.0	64.6
101	11.2	8.7	13.1
130	24.1	19.4	29.0

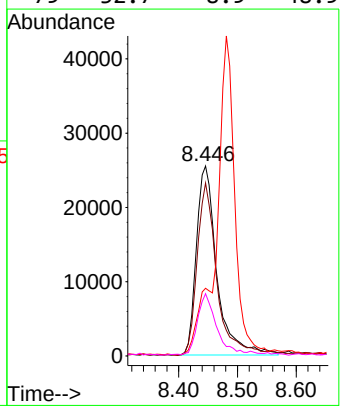


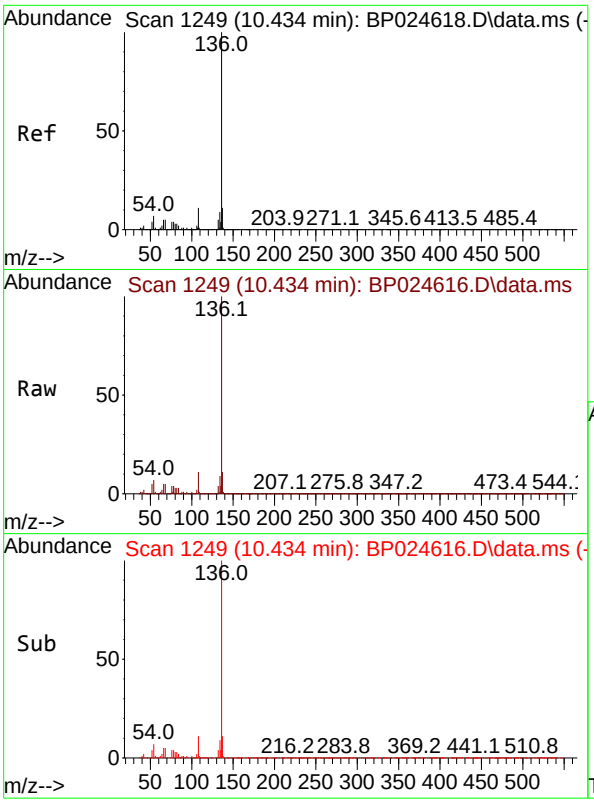


#20
3+4-Methylphenols
Concen: 8.665 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 61832

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.7	106.7
77	35.6	13.1	53.1
79	32.7	8.9	48.9



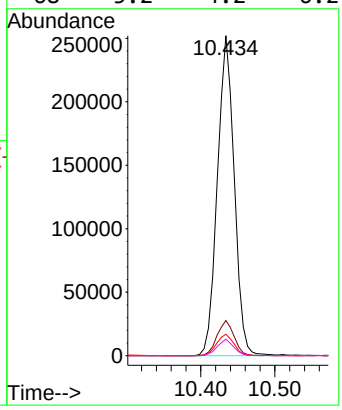


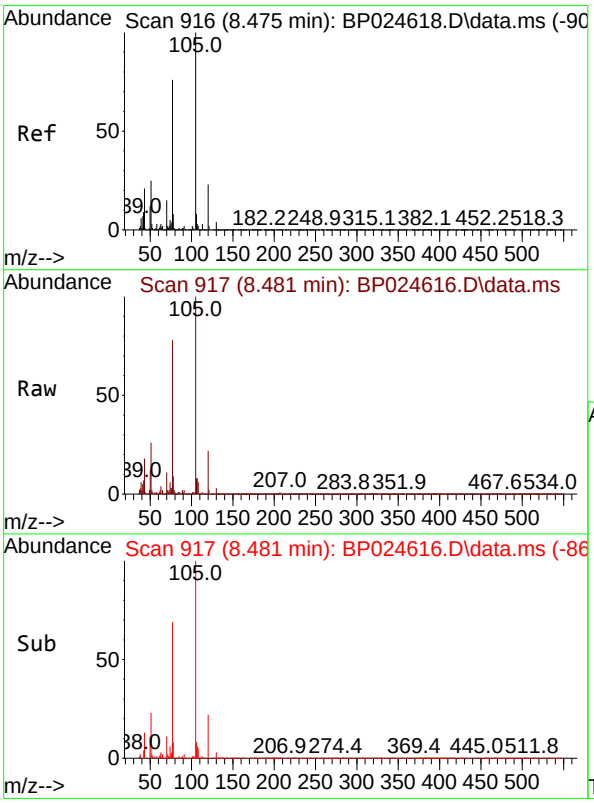
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 398657

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.5	8.3
68	5.2	4.2	6.2

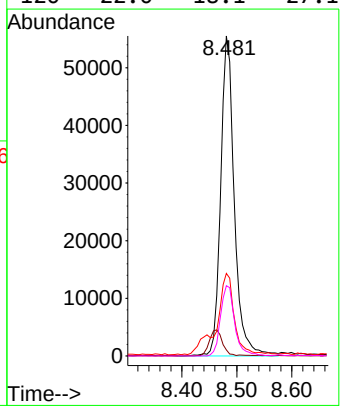


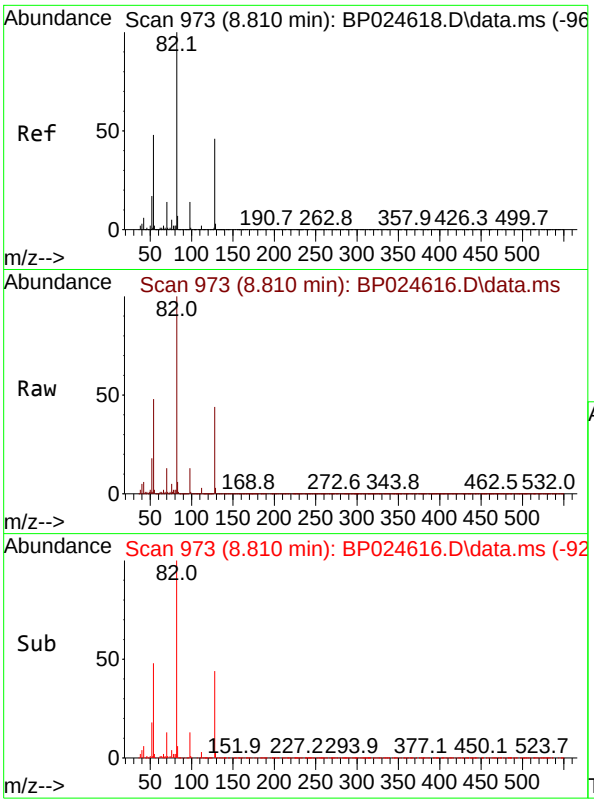


#22
Acetophenone
Concen: 9.620 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:105 Resp: 95803

Ion	Ratio	Lower	Upper
105	100		
71	1.9	2.0	3.0#
51	25.8	20.4	30.6
120	22.0	18.1	27.1



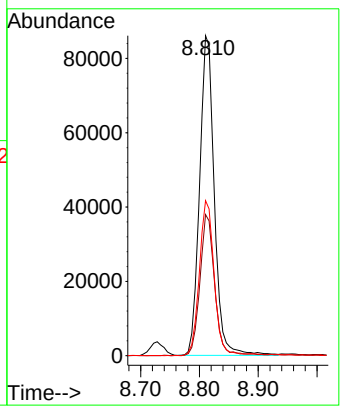


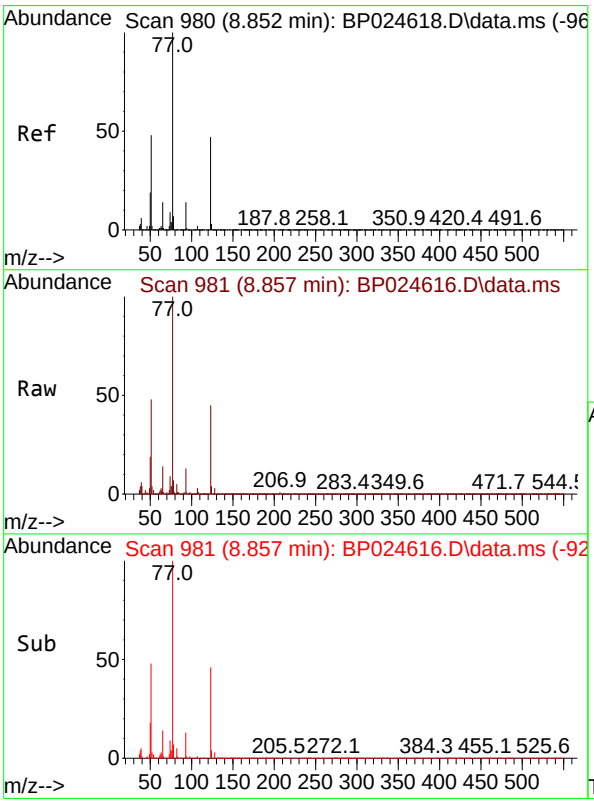
#23
Nitrobenzene-d5
Concen: 18.996 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 149876

Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.0	55.4
54	48.5	38.7	58.1

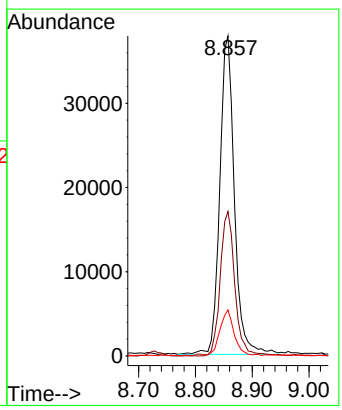


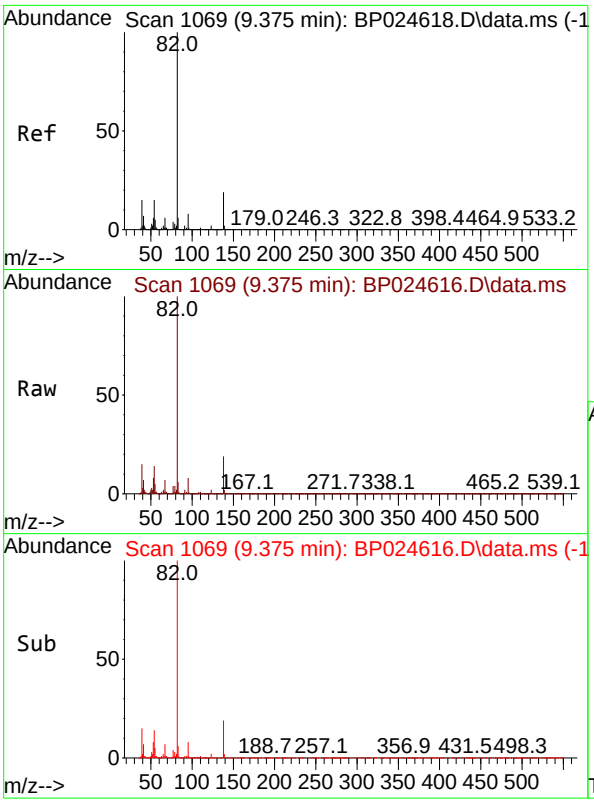


#24
Nitrobenzene
Concen: 9.755 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 67735

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.4	56.0
65	14.4	11.3	16.9



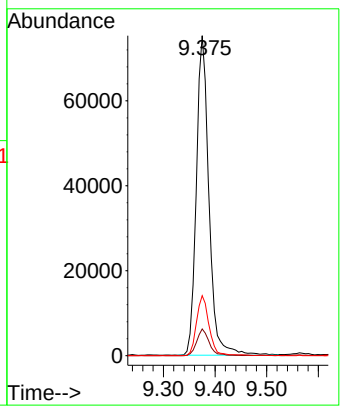


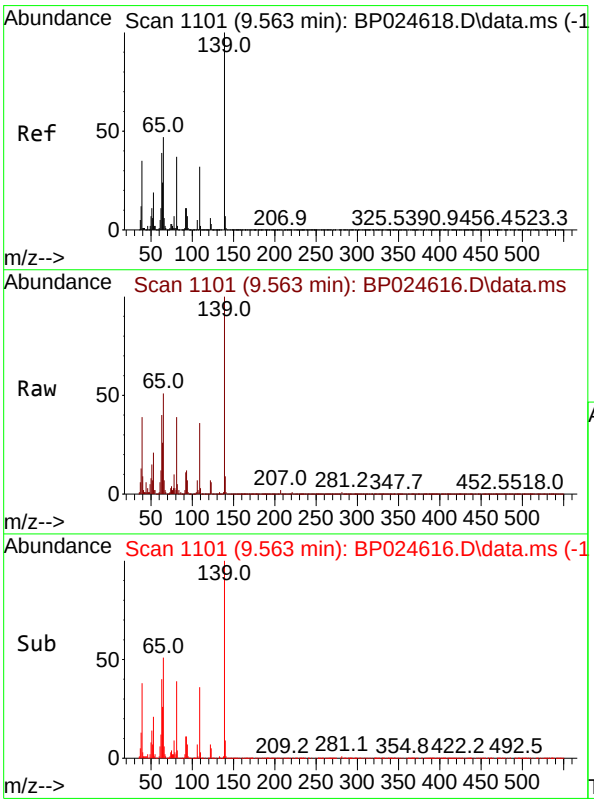
#25
Isophorone
Concen: 9.314 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 127474

Ion	Ratio	Lower	Upper
82	100		
95	8.4	6.3	9.5
138	18.7	15.3	22.9

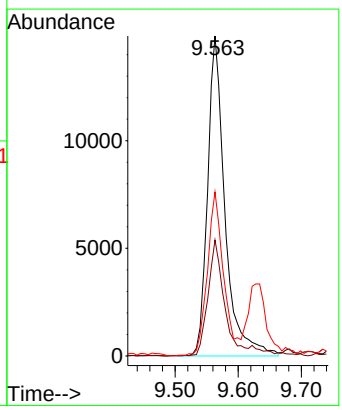


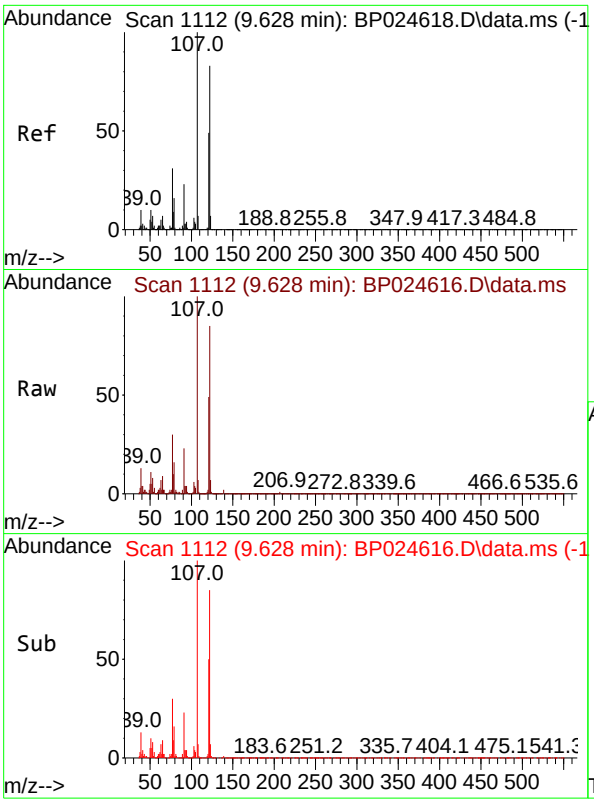


#26
2-Nitrophenol
Concen: 8.368 ng
RT: 9.563 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 28470

Ion	Ratio	Lower	Upper
139	100		
109	36.2	25.9	38.9
65	51.3	37.9	56.9



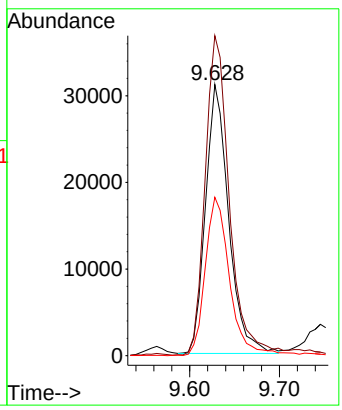


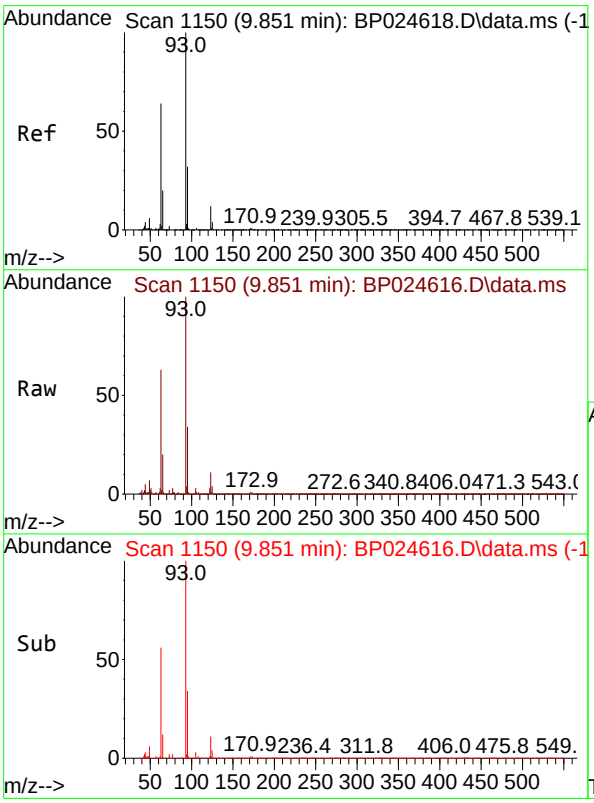
#27
2,4-Dimethylphenol
Concen: 9.279 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 55664

Ion	Ratio	Lower	Upper
122	100		
107	118.0	96.2	144.2
121	58.4	47.6	71.4

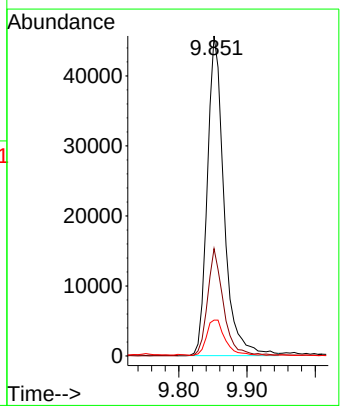


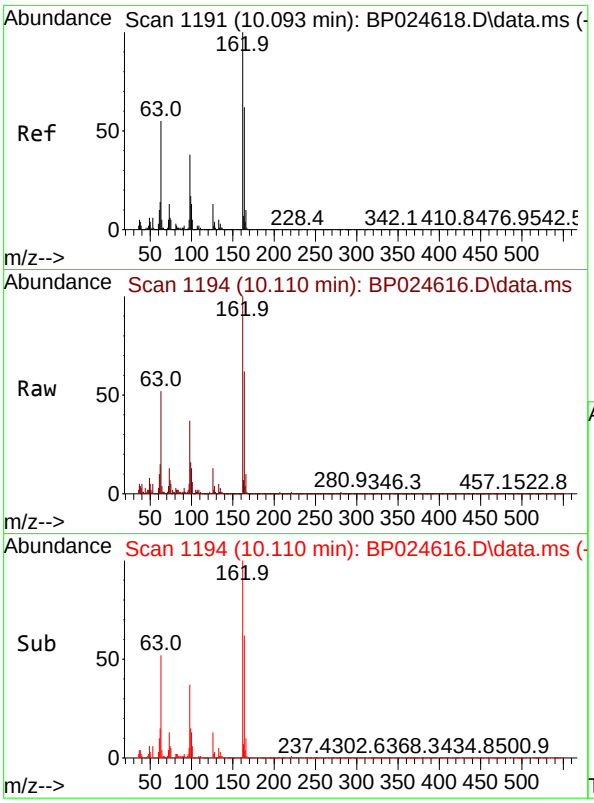


#28
bis(2-Chloroethoxy)methane
Concen: 9.542 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 78019

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.5	38.3
123	11.2	9.7	14.5



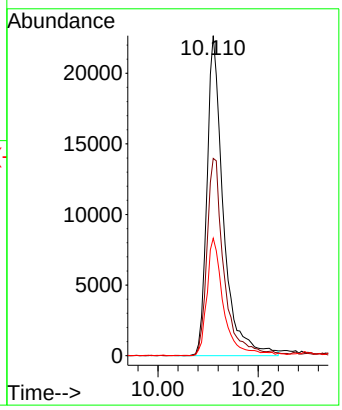


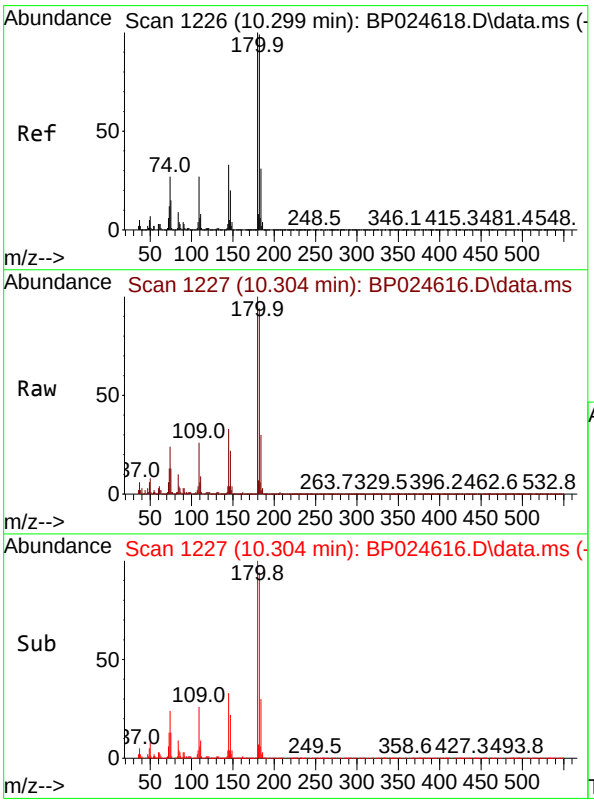
#29
2,4-Dichlorophenol
Concen: 8.840 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 51386

Ion	Ratio	Lower	Upper
162	100		
164	61.7	42.3	82.3
98	36.7	18.4	58.4

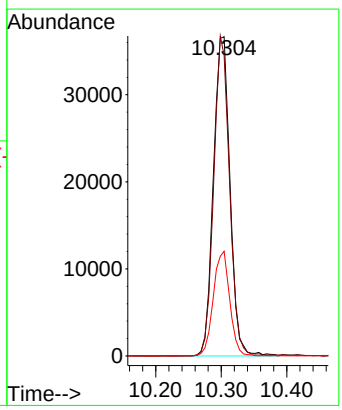


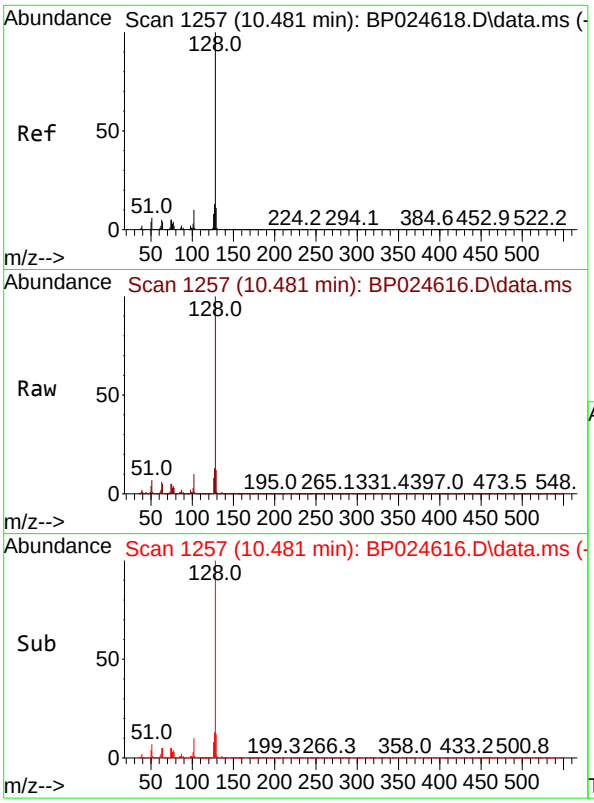


#30
1,2,4-Trichlorobenzene
Concen: 9.807 ng
RT: 10.304 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:180 Resp: 64245

Ion	Ratio	Lower	Upper
180	100		
182	94.1	79.0	118.4
145	32.8	26.6	39.8



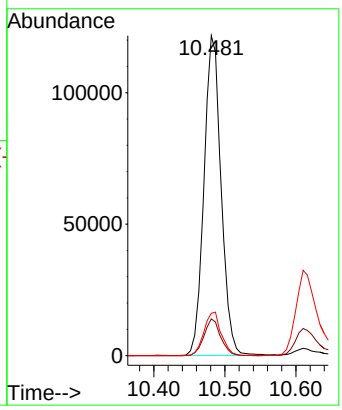


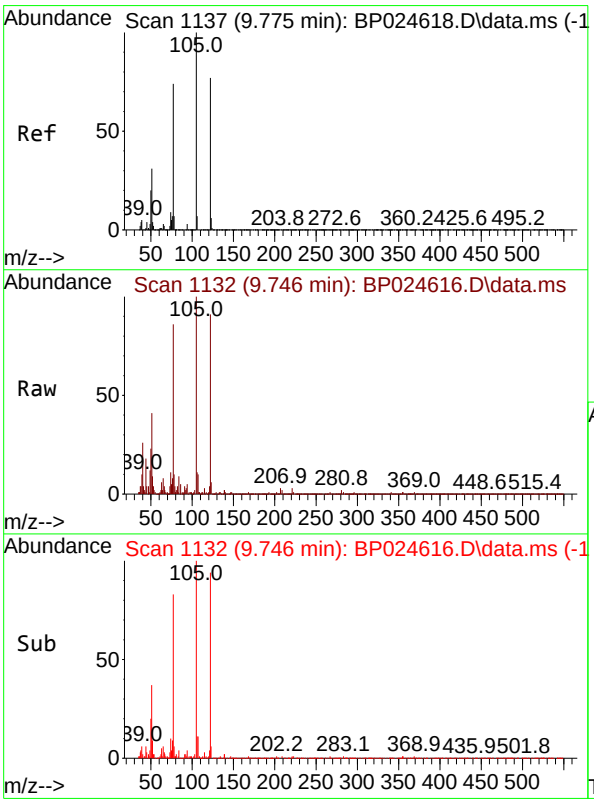
#31
Naphthalene
Concen: 9.897 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 204468

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.2	10.7	16.1

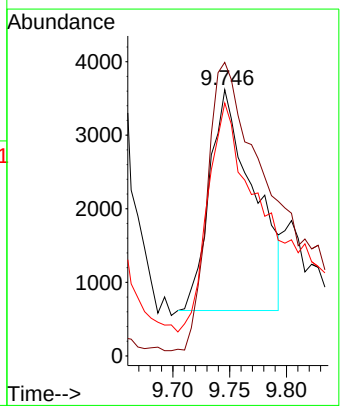


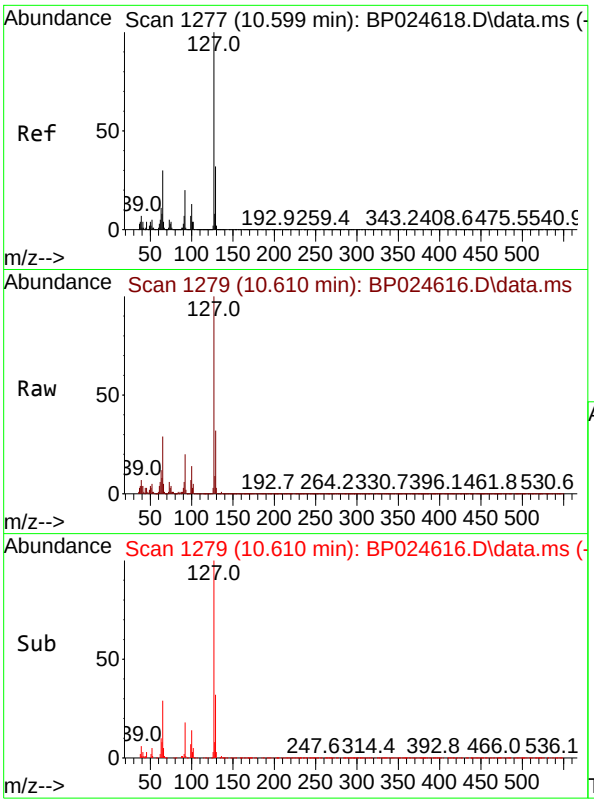


#32
Benzoic acid
Concen: 8.435 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 8077

Ion	Ratio	Lower	Upper
122	100		
105	110.3	106.9	146.9
77	95.0	75.1	115.1



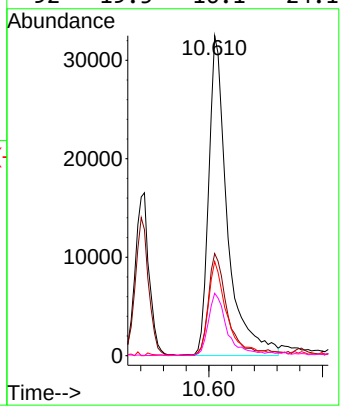


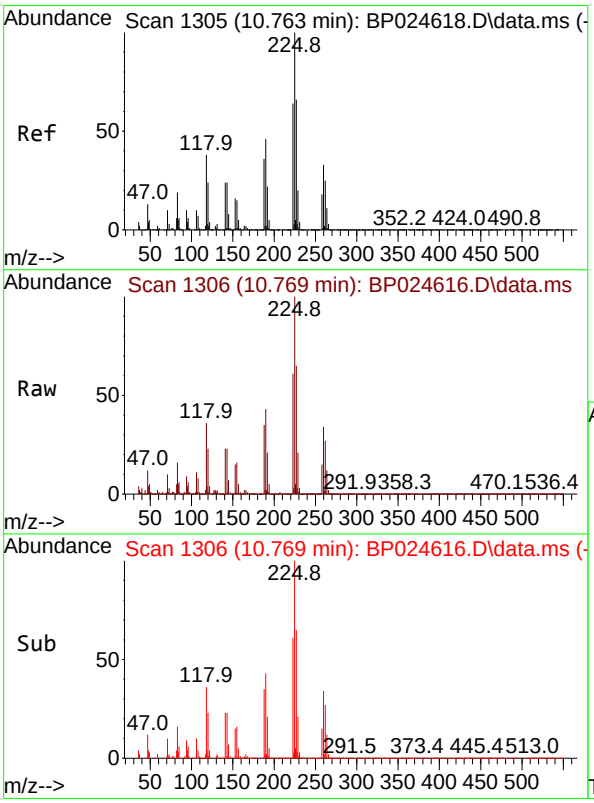
#33
4-Chloroaniline
Concen: 8.876 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 73990

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.5	23.9	35.9
92	19.5	16.1	24.1

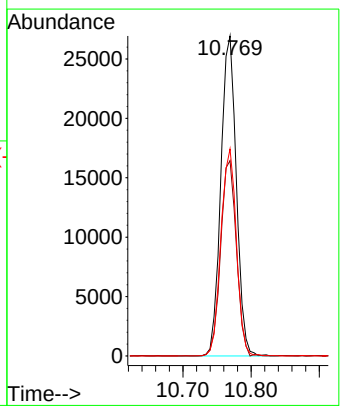


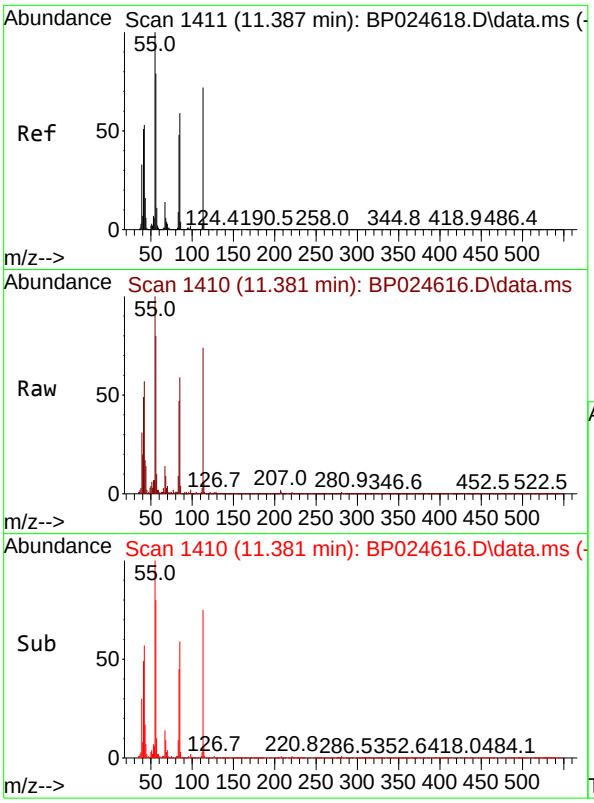


#34
Hexachlorobutadiene
Concen: 10.031 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:225 Resp: 42567

Ion	Ratio	Lower	Upper
225	100		
223	61.0	51.0	76.6
227	64.7	53.1	79.7



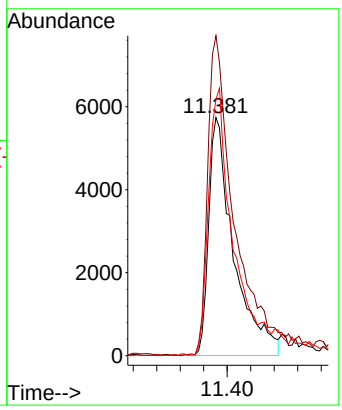


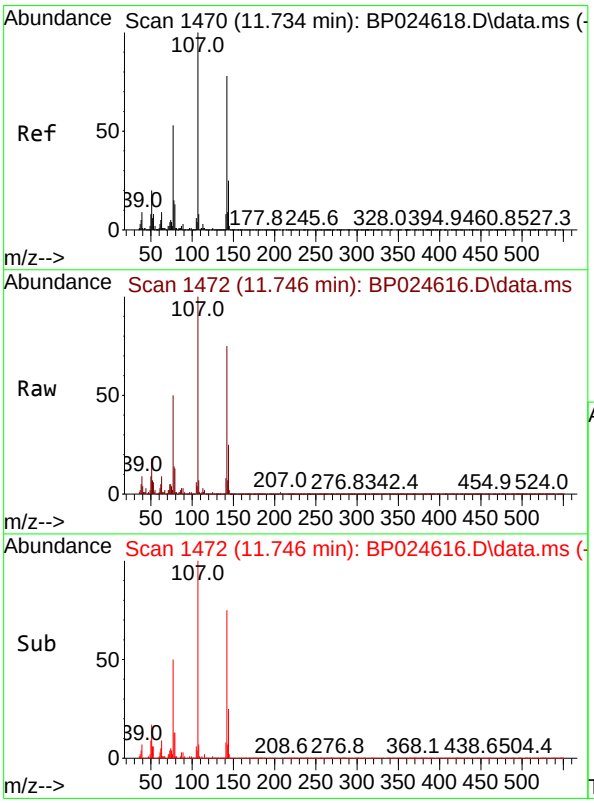
#35
Caprolactam
Concen: 8.019 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 16855

Ion	Ratio	Lower	Upper
113	100		
55	134.4	119.0	159.0
56	107.7	90.3	130.3

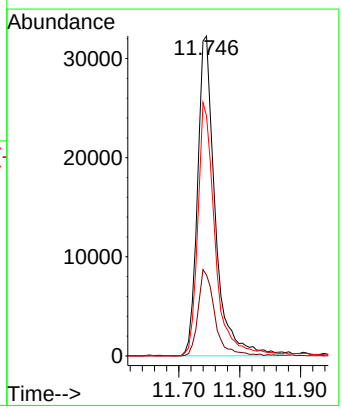


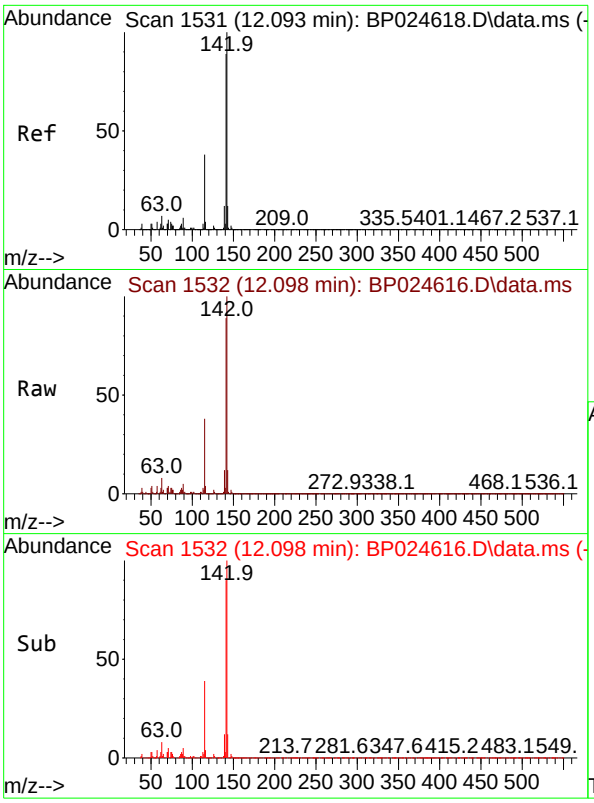


#36
4-Chloro-3-methylphenol
Concen: 9.149 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 64857

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.1	30.1
142	75.0	62.1	93.1



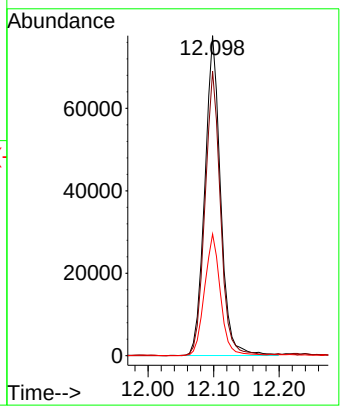


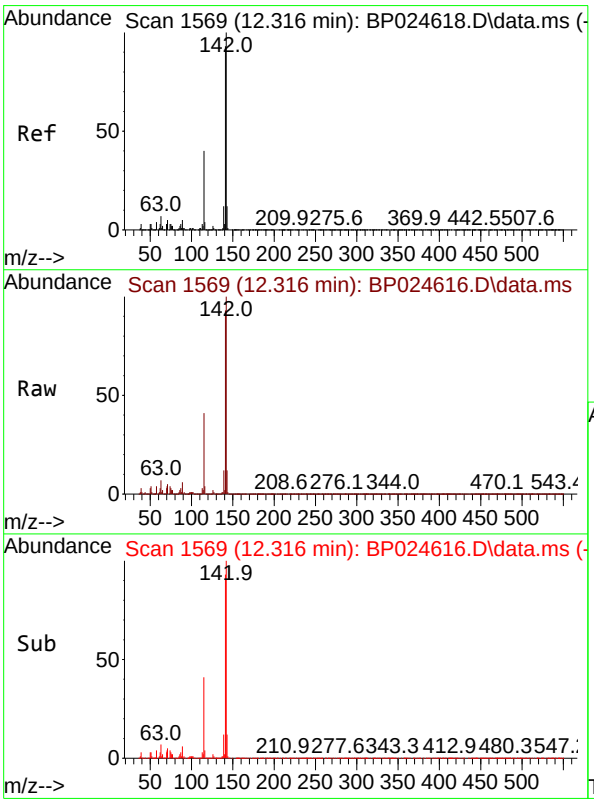
#37
2-Methylnaphthalene
Concen: 9.749 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 130412

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.2	106.8
115	38.0	30.6	46.0

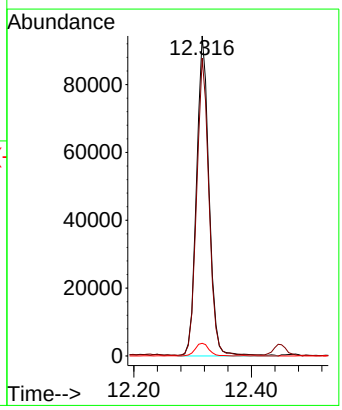


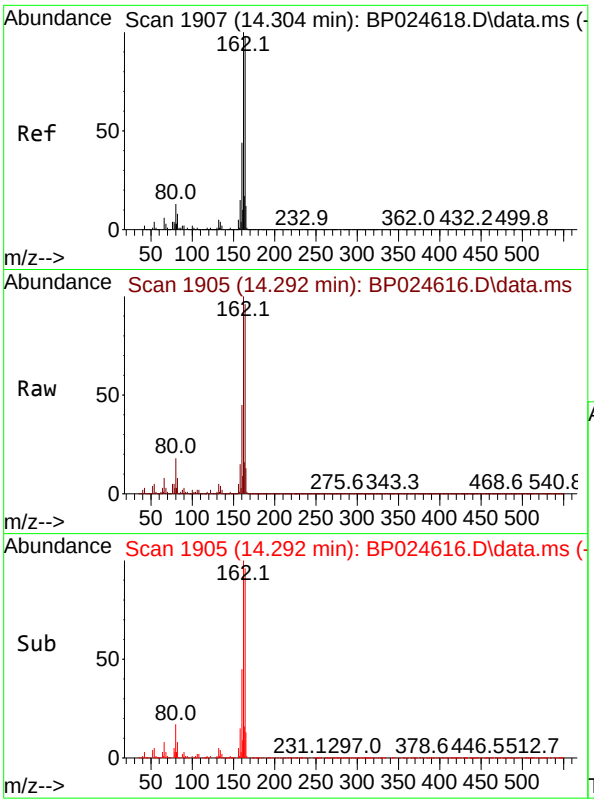


#38
1-Methylnaphthalene
Concen: 9.752 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 139573

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.0	3.4	5.2



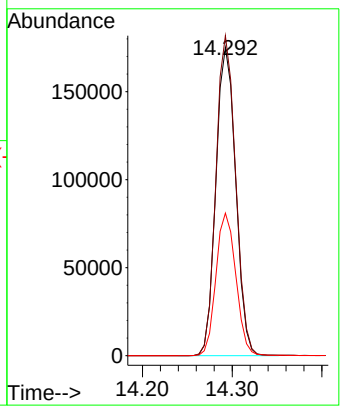


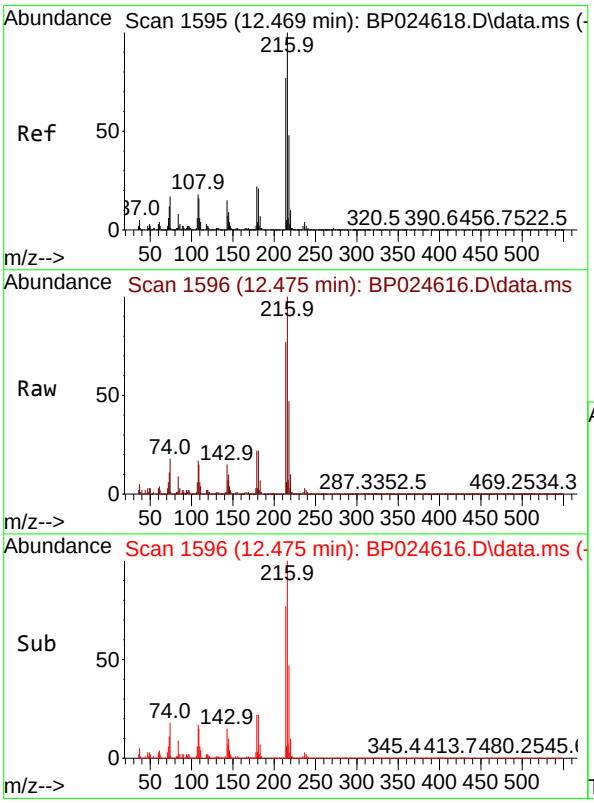
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 268335

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	46.2	36.3	54.5

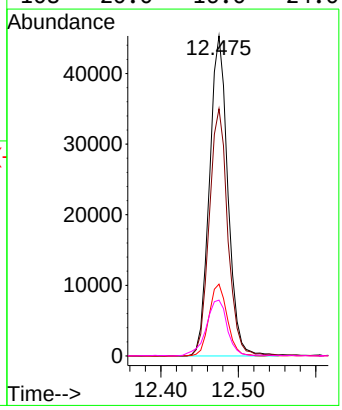


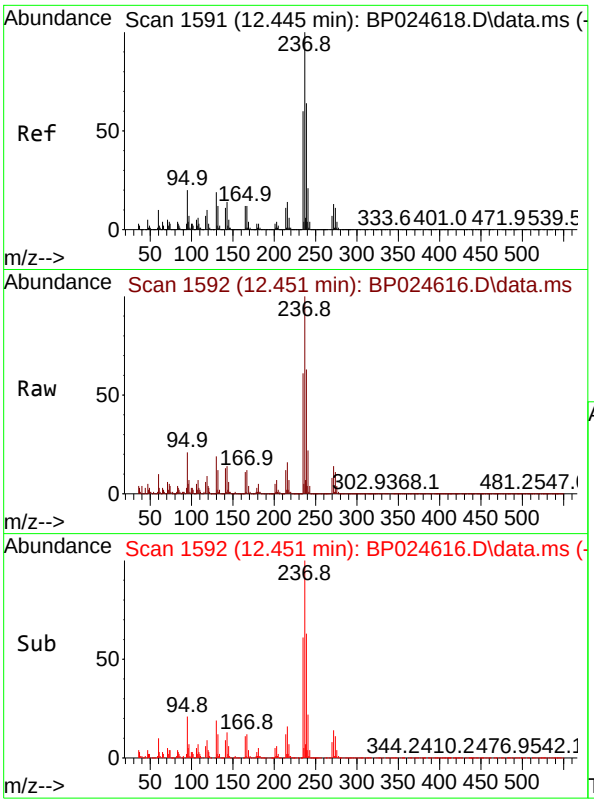


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.603 ng
RT: 12.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:216 Resp: 74824

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.2	17.7	26.5
108	20.0	16.0	24.0



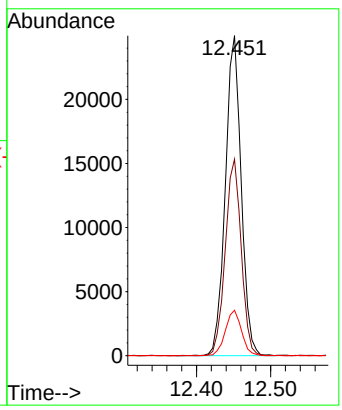


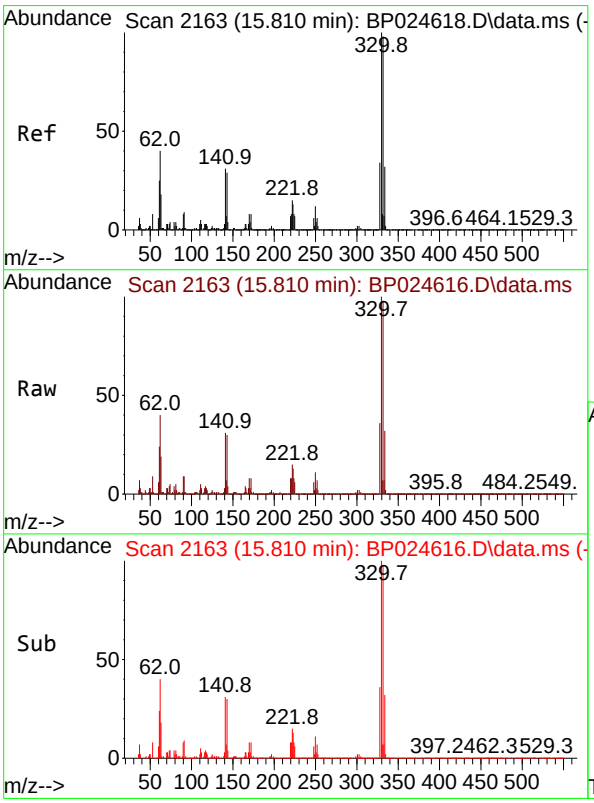
#41
Hexachlorocyclopentadiene
Concen: 7.846 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 37072

Ion	Ratio	Lower	Upper
237	100		
235	61.4	39.9	79.9
272	14.2	0.0	33.2

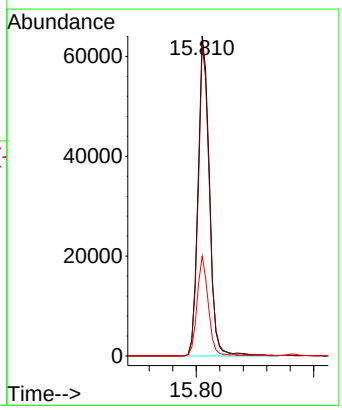


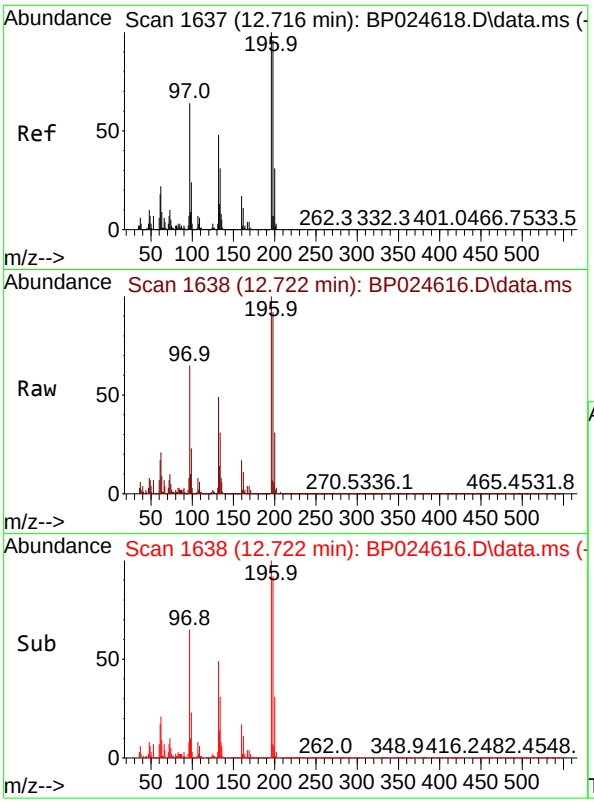


#42
2,4,6-Tribromophenol
Concen: 18.927 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:330 Resp: 86099

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.2	117.4
141	30.5	24.3	36.5



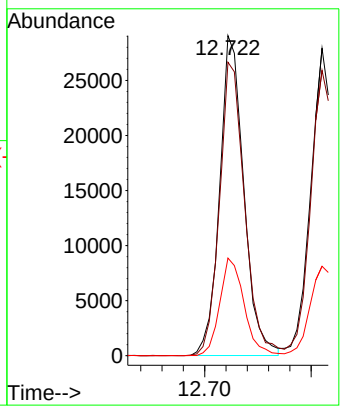


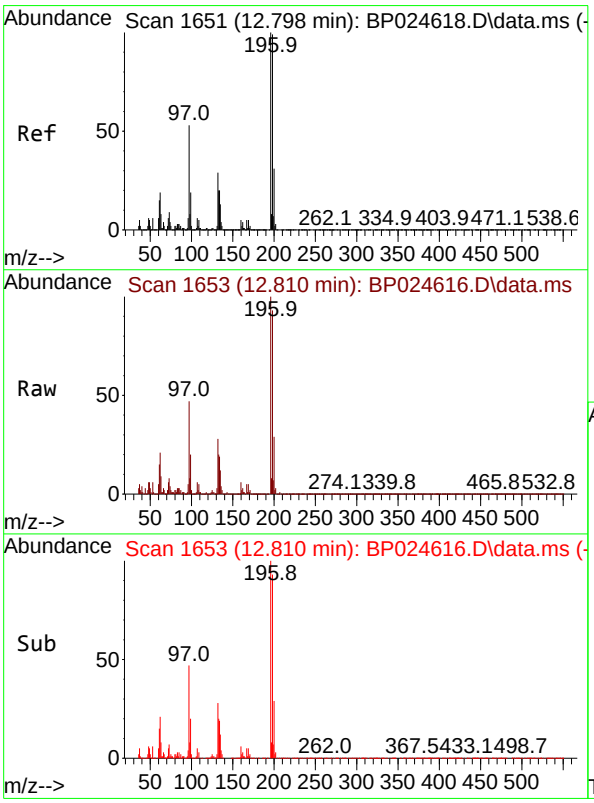
#43
2,4,6-Trichlorophenol
Concen: 9.074 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 45798

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.9	115.3
200	30.5	25.2	37.8

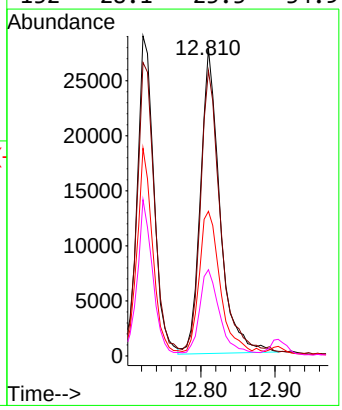


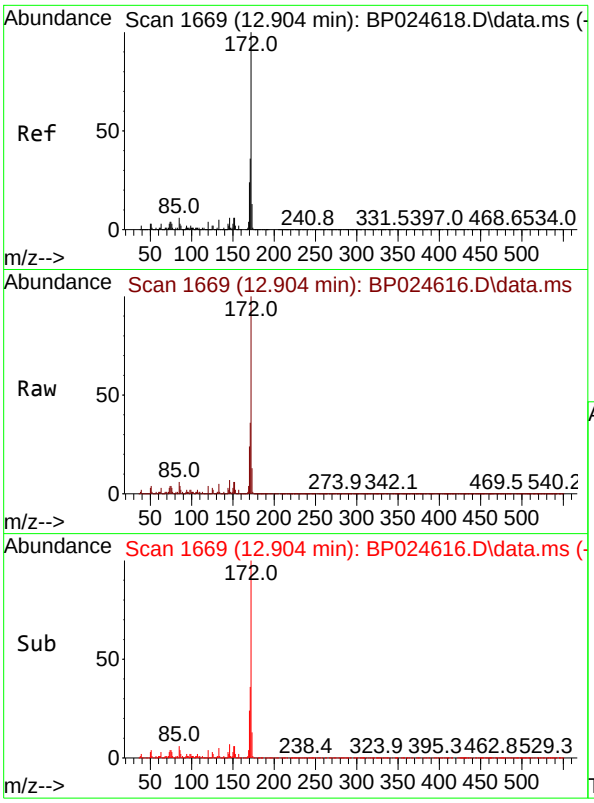


#44
2,4,5-Trichlorophenol
Concen: 8.962 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 50348

Ion	Ratio	Lower	Upper
196	100		
198	92.8	79.2	118.8
97	47.0	42.3	63.5
132	28.1	23.3	34.9



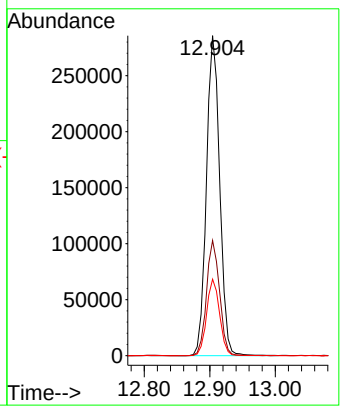


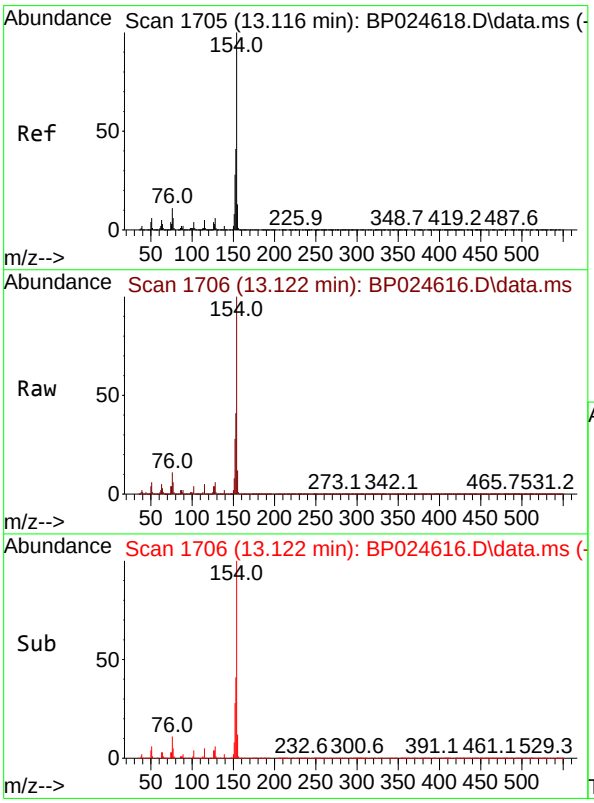
#45
2-Fluorobiphenyl
Concen: 19.627 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 401986

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.9	18.8	28.2

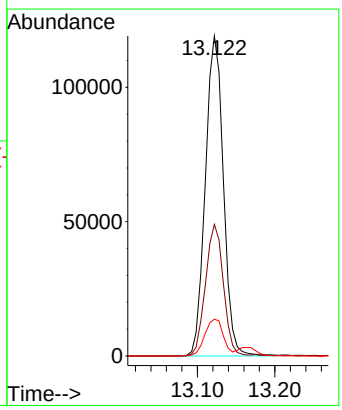


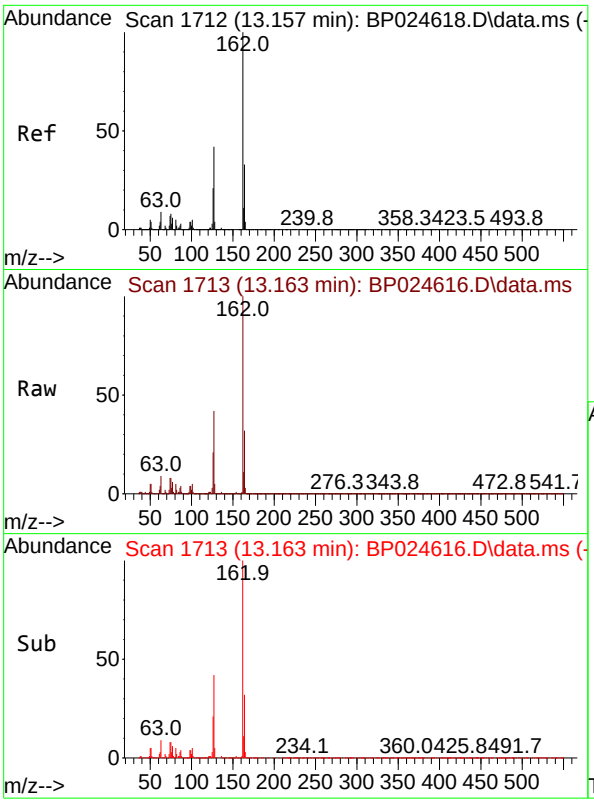


#46
1,1'-Biphenyl
Concen: 9.703 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 192445

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	11.5	0.0	31.5



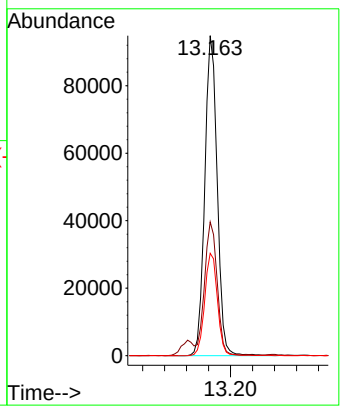


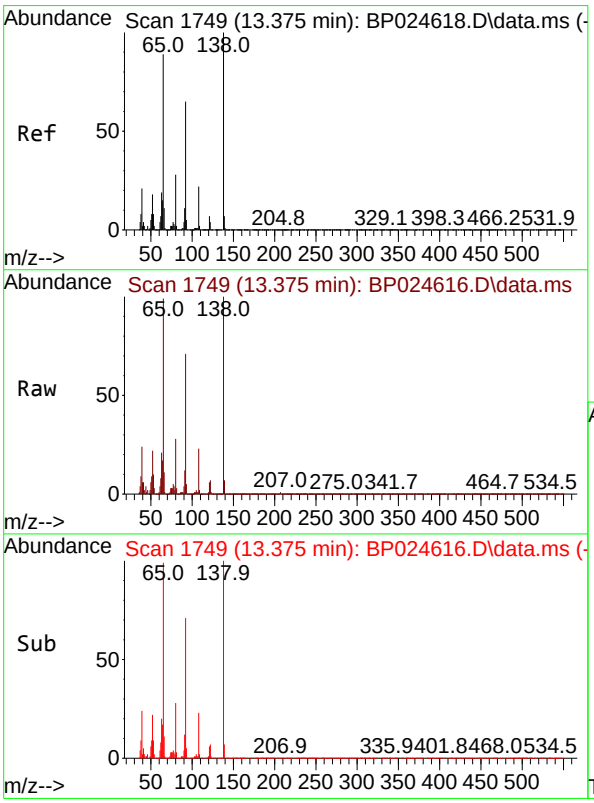
#47
2-Chloronaphthalene
Concen: 9.816 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 148443

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.8	50.6
164	32.0	26.0	39.0

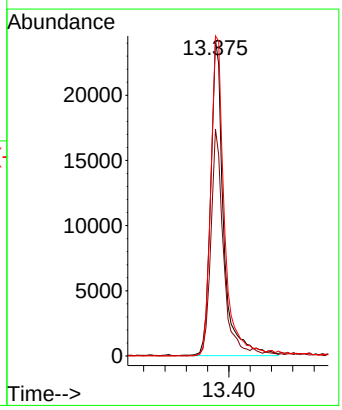


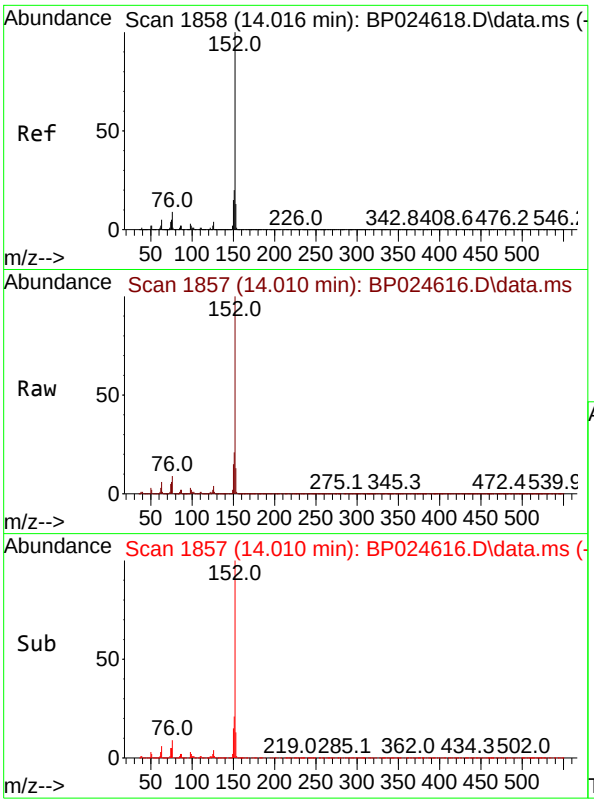


#48
2-Nitroaniline
Concen: 9.110 ng
RT: 13.375 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 65 Resp: 40786

Ion	Ratio	Lower	Upper
65	100		
92	71.8	58.7	88.1
138	101.2	90.2	135.2



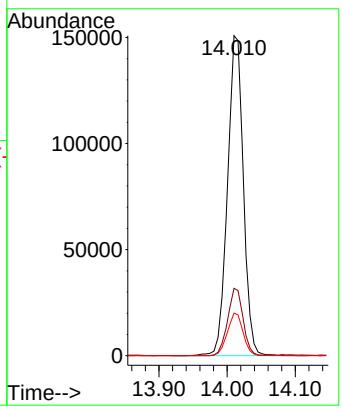


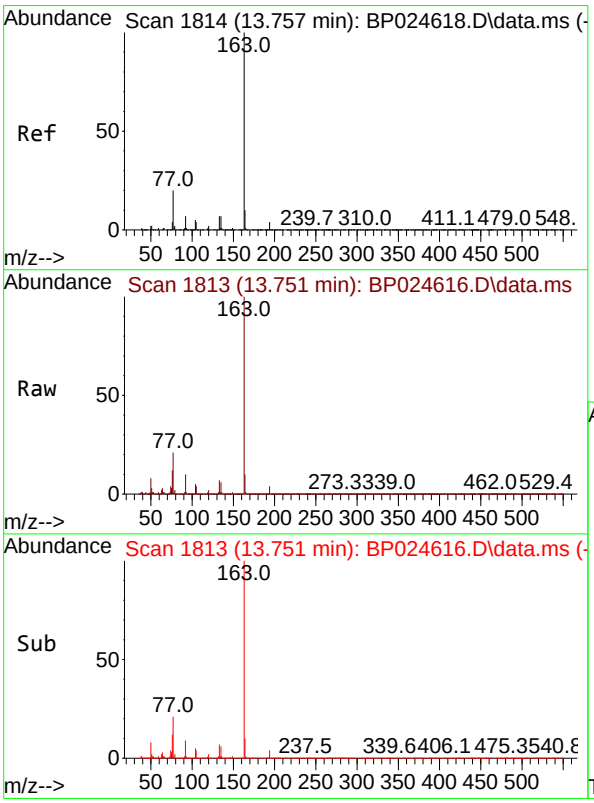
#49
Acenaphthylene
Concen: 9.638 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 243913

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.4
153	13.3	10.2	15.4

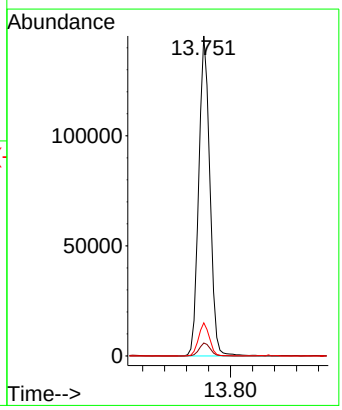


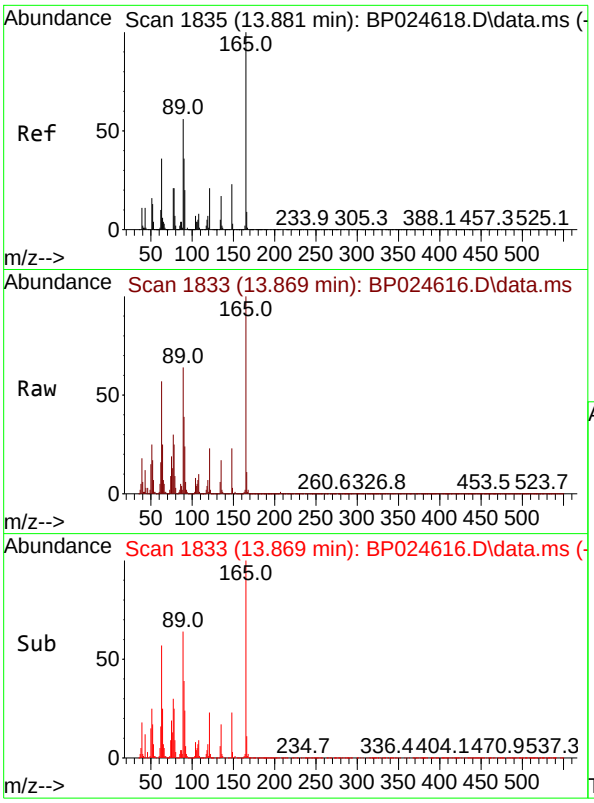


#50
Dimethylphthalate
Concen: 10.015 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:163 Resp: 204825

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	8.1	12.1



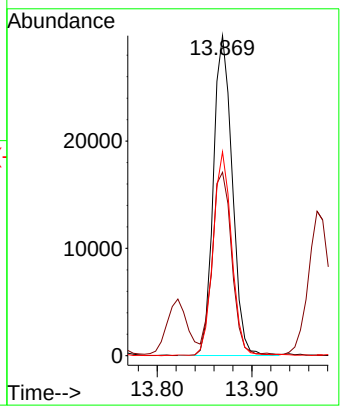


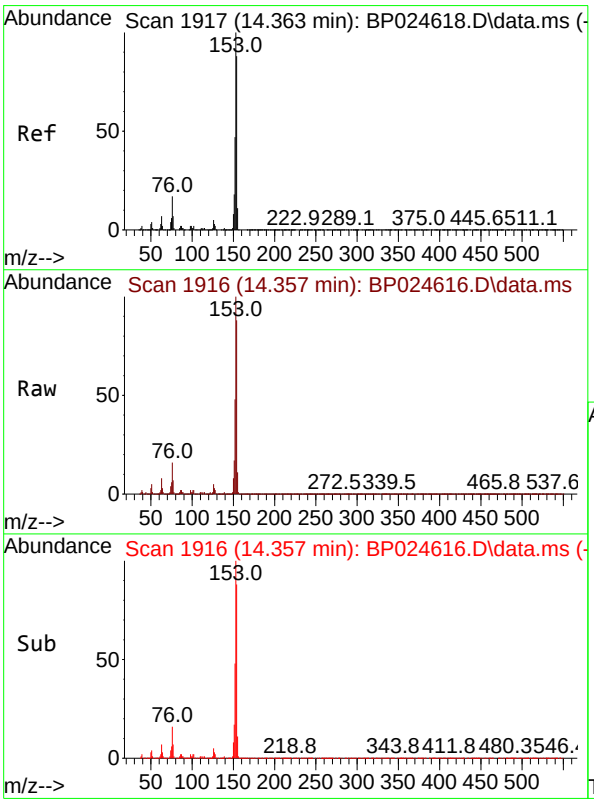
#51
2,6-Dinitrotoluene
Concen: 9.551 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 41257

Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.4	63.6
89	63.7	44.8	67.2

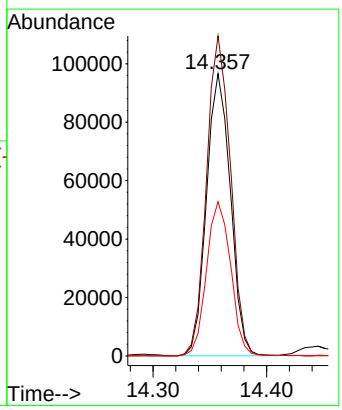


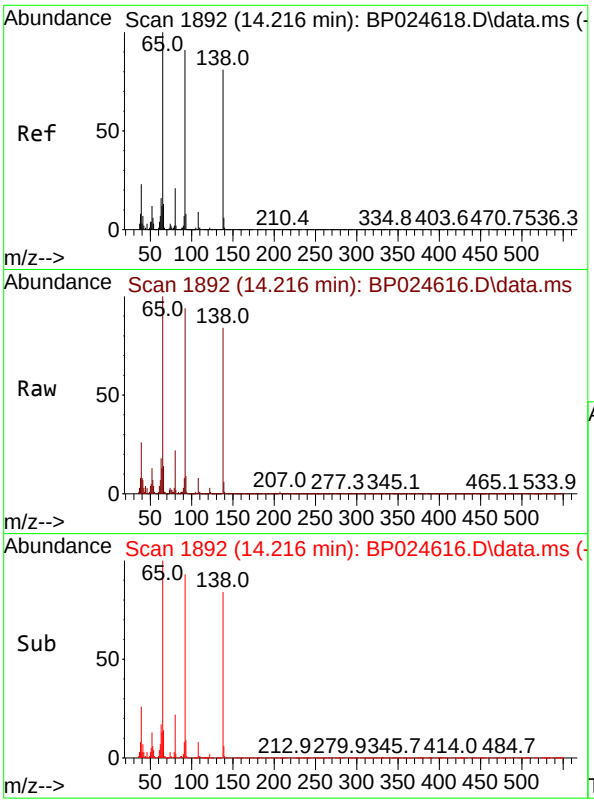


#52
Acenaphthene
Concen: 9.717 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 141360

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.0	136.4
152	54.6	42.9	64.3



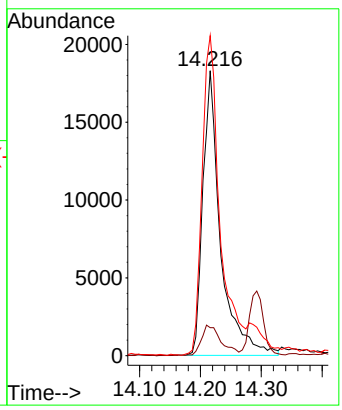


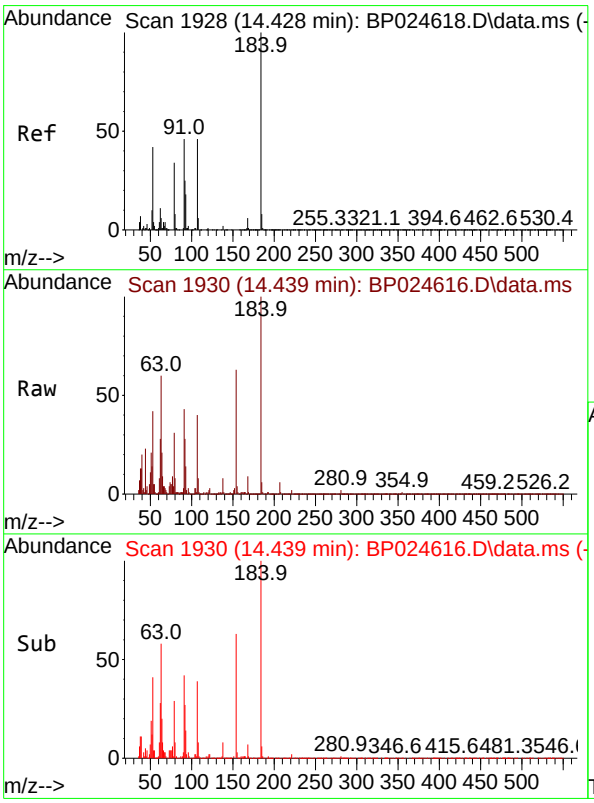
#53
3-Nitroaniline
Concen: 8.368 ng
RT: 14.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 36906

Ion	Ratio	Lower	Upper
138	100		
108	9.9	9.0	13.4
92	112.3	90.1	135.1

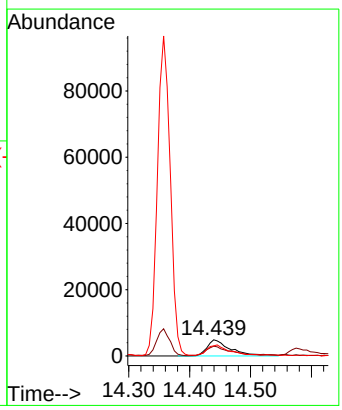


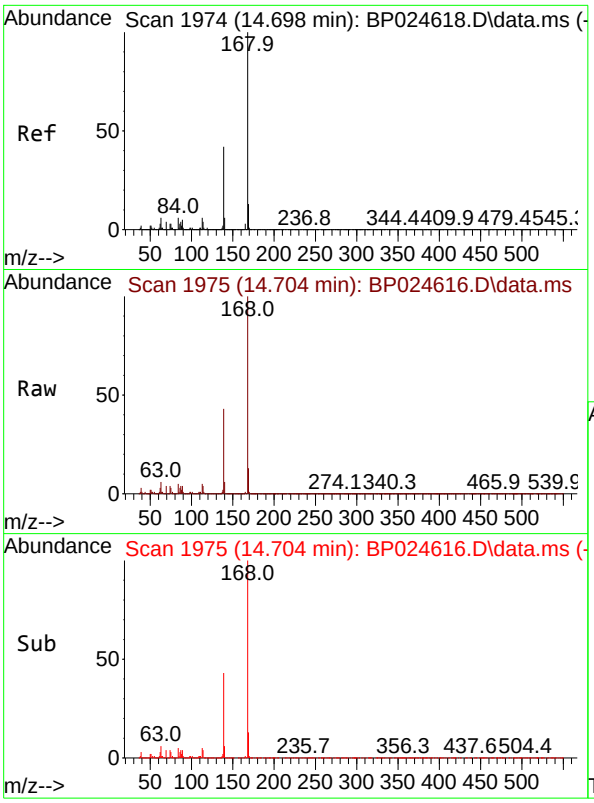


#54
2,4-Dinitrophenol
Concen: 10.835 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.011 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 13128

Ion	Ratio	Lower	Upper
184	100		
63	60.3	51.3	76.9
154	62.9	53.5	80.3



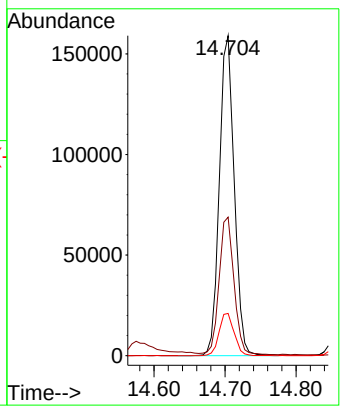


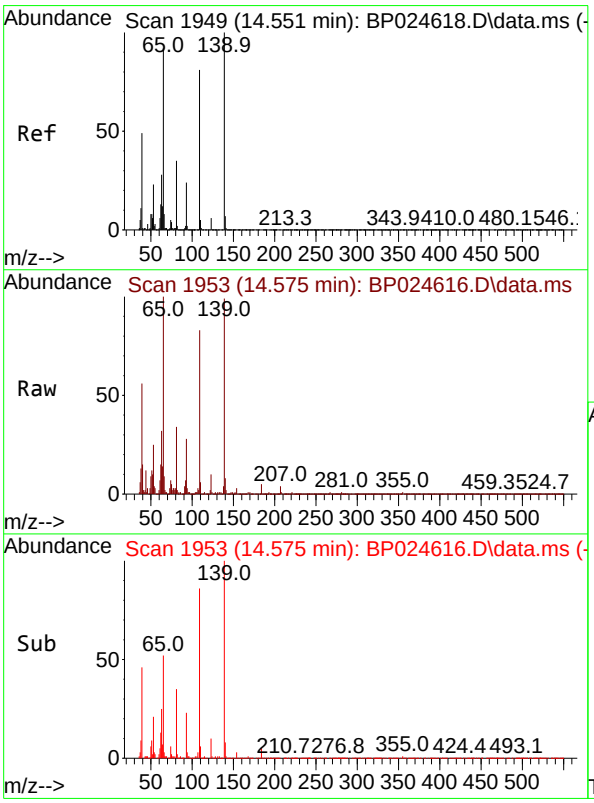
#55
Dibenzofuran
Concen: 9.924 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 230286

Ion	Ratio	Lower	Upper
168	100		
139	43.3	34.2	51.4
169	13.2	10.8	16.2

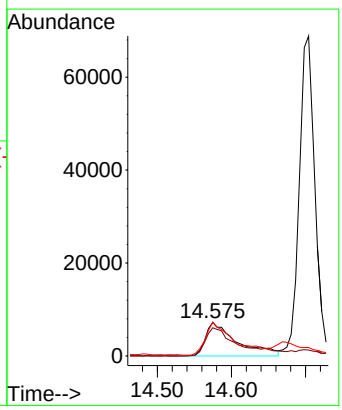


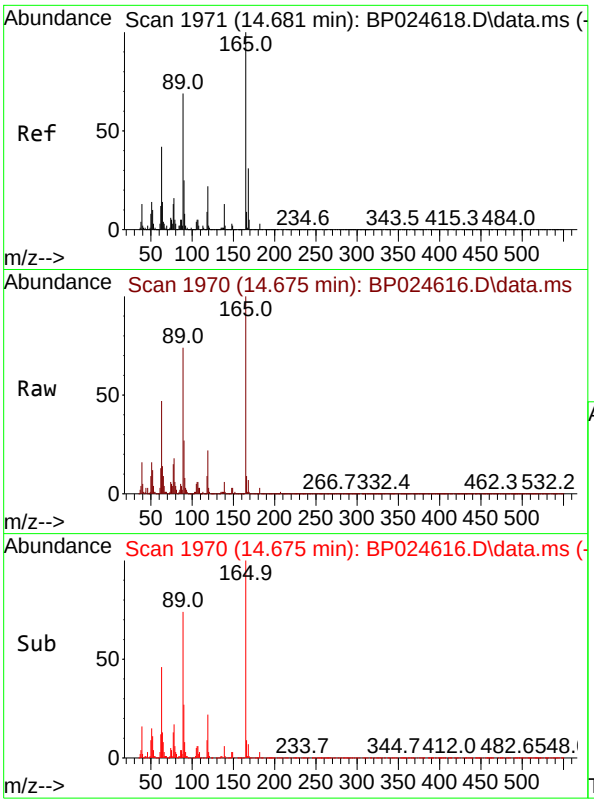


#56
4-Nitrophenol
Concen: 9.529 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 21349

Ion	Ratio	Lower	Upper
139	100		
109	84.4	61.4	101.4
65	101.4	72.2	112.2



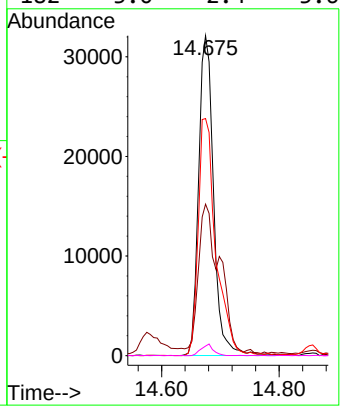


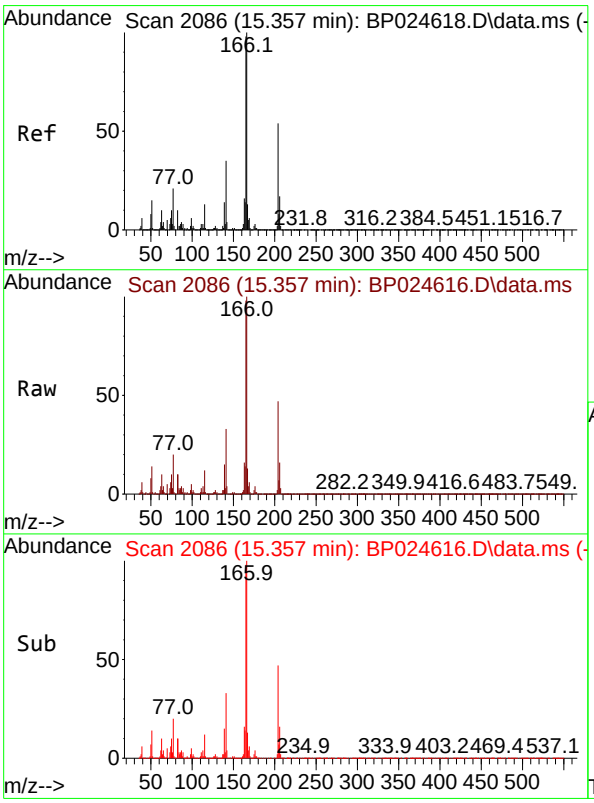
#57
2,4-Dinitrotoluene
Concen: 9.297 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 56617

Ion	Ratio	Lower	Upper
165	100		
63	47.4	33.8	50.6
89	74.1	55.6	83.4
182	3.0	2.4	3.6

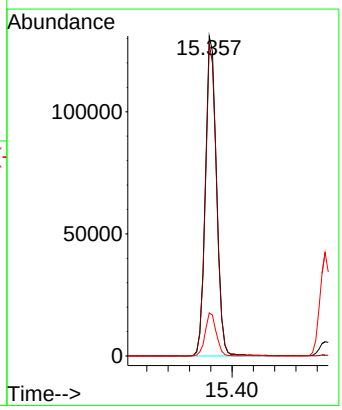


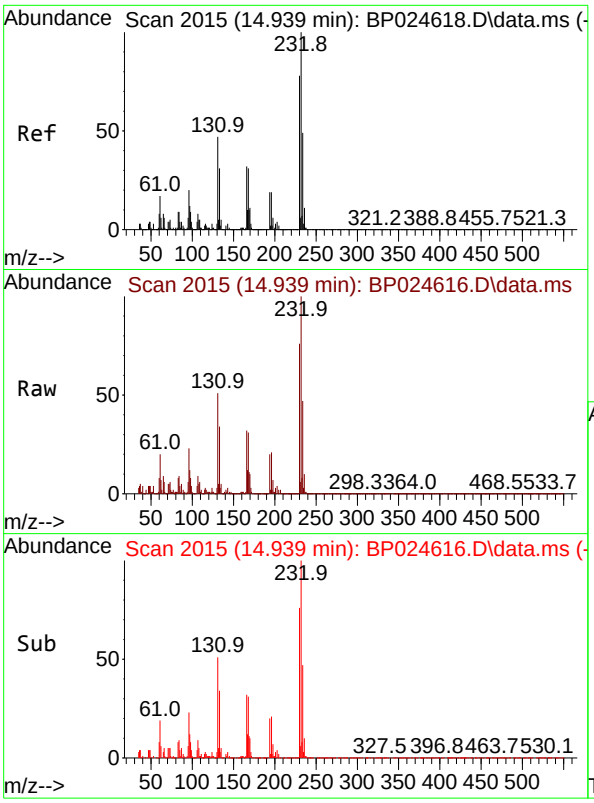


#58
Fluorene
Concen: 10.030 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:166 Resp: 189781

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.5	10.7	16.1



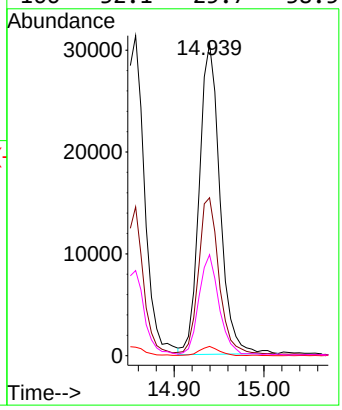


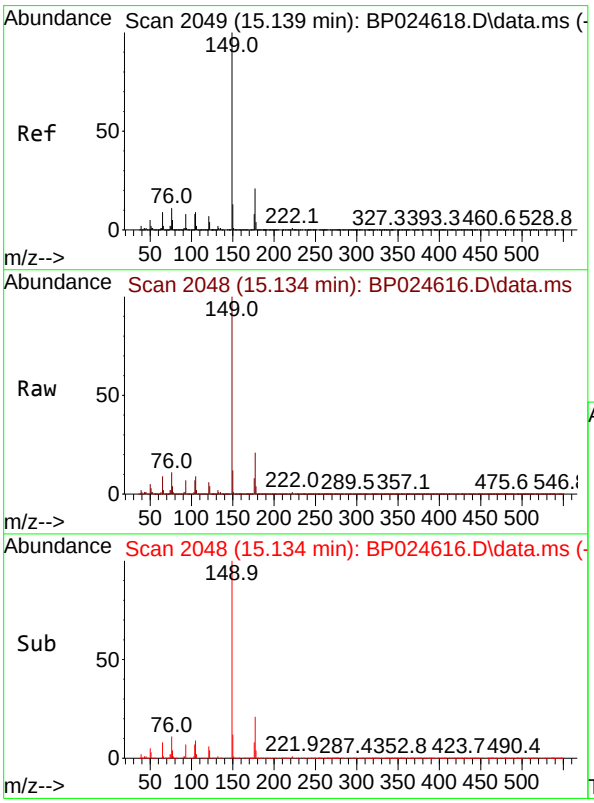
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.368 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 48821

Ion	Ratio	Lower	Upper
232	100		
131	50.6	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5

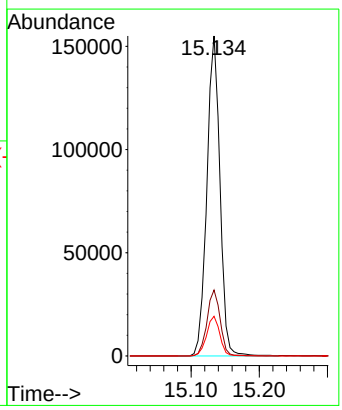


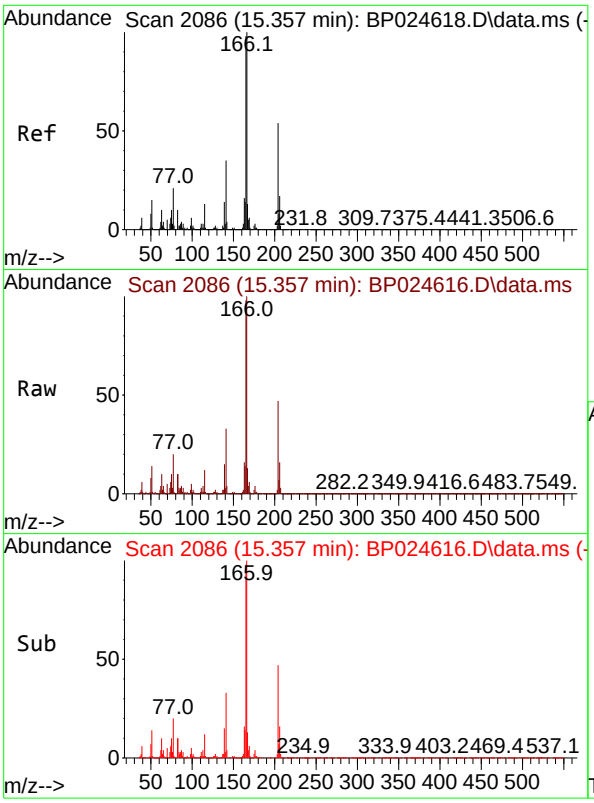


#60
Diethylphthalate
Concen: 10.008 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 206886

Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.7	25.1
150	12.4	10.2	15.2



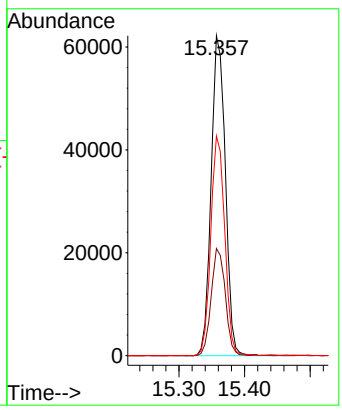


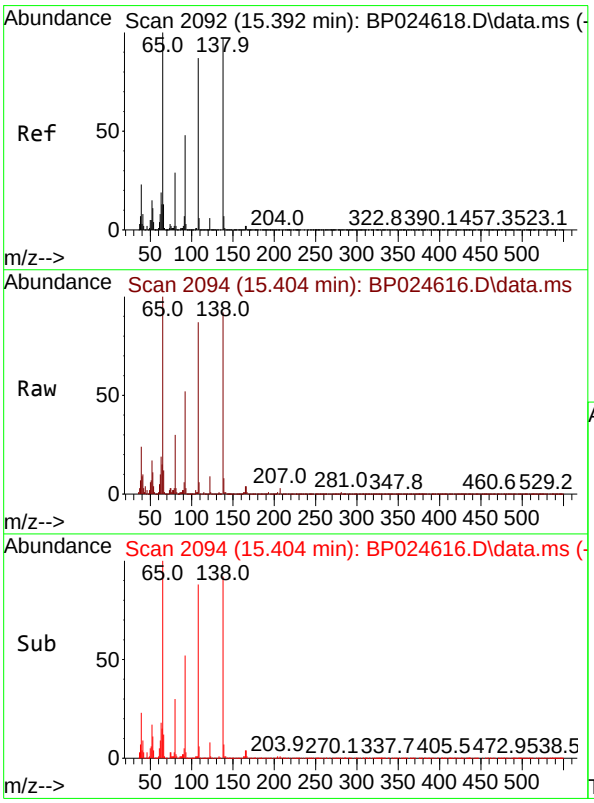
#61
4-Chlorophenyl-phenylether
Concen: 9.910 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 93517

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.0	39.0
141	68.7	52.9	79.3

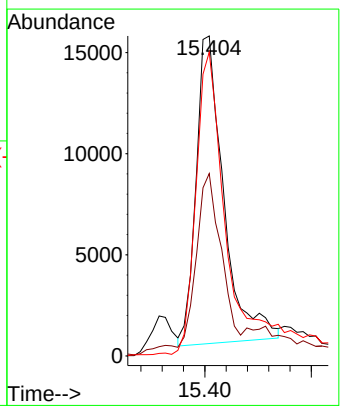


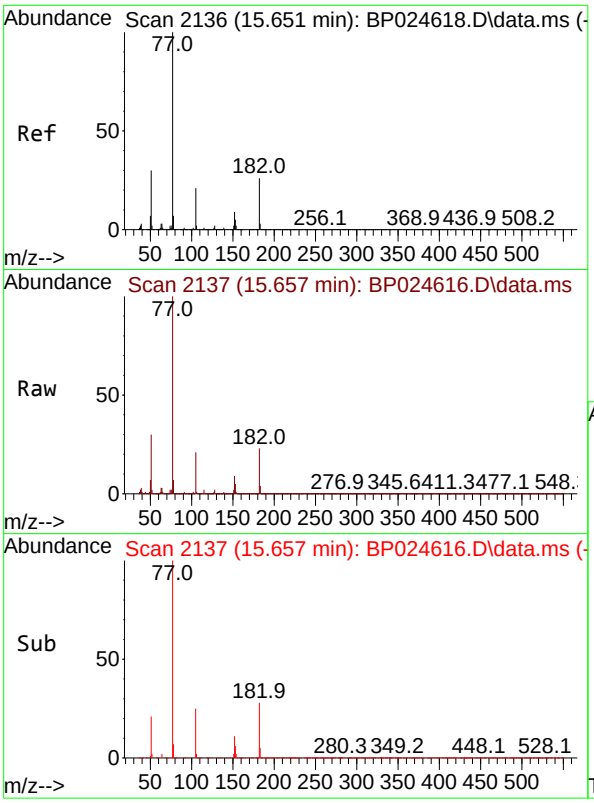


#62
4-Nitroaniline
Concen: 6.409 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 27520

Ion	Ratio	Lower	Upper
138	100		
92	57.0	29.2	69.2
108	95.0	69.0	109.0



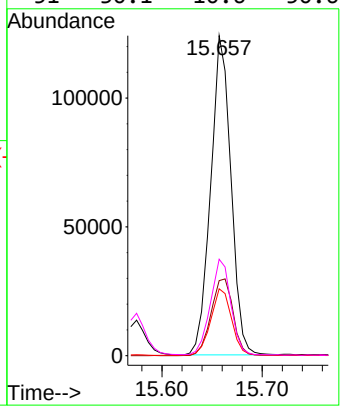


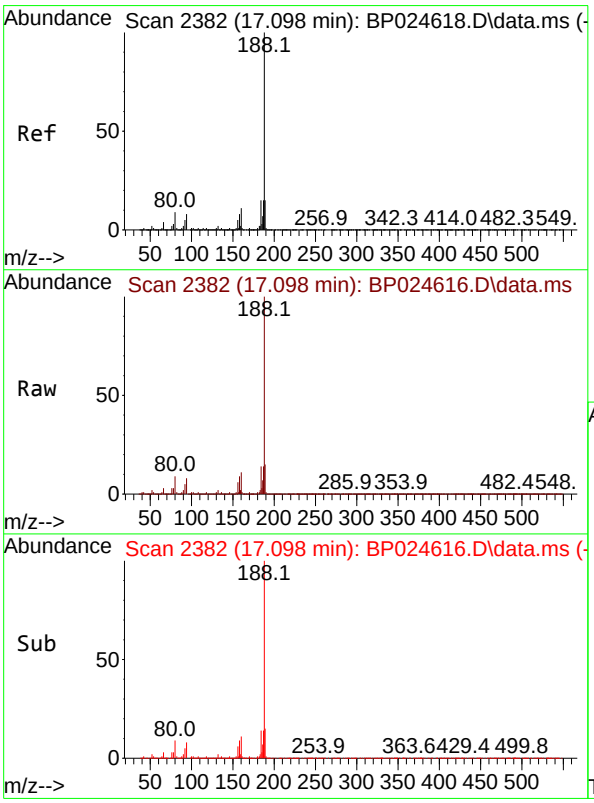
#63
Azobenzene
Concen: 9.858 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 174322

Ion	Ratio	Lower	Upper
77	100		
182	23.5	5.7	45.7
105	20.9	1.3	41.3
51	30.1	10.6	50.6

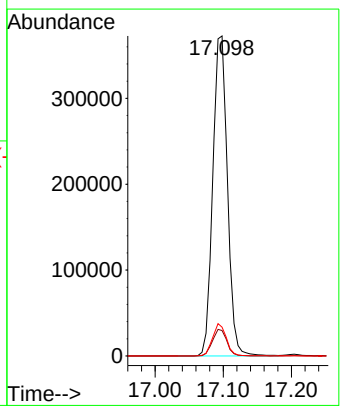


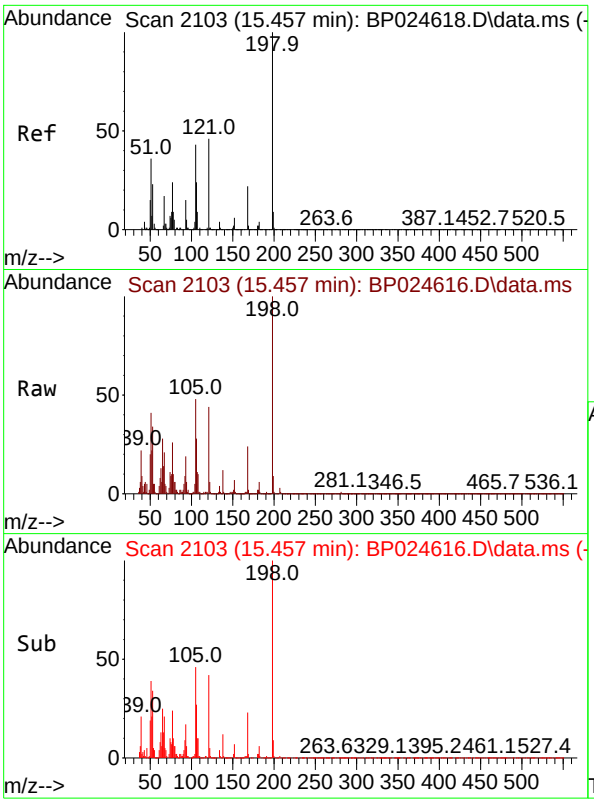


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:188 Resp: 556673

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.0	7.3	10.9



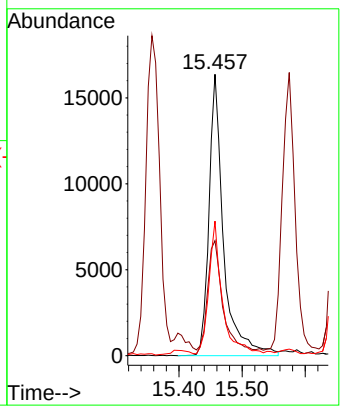


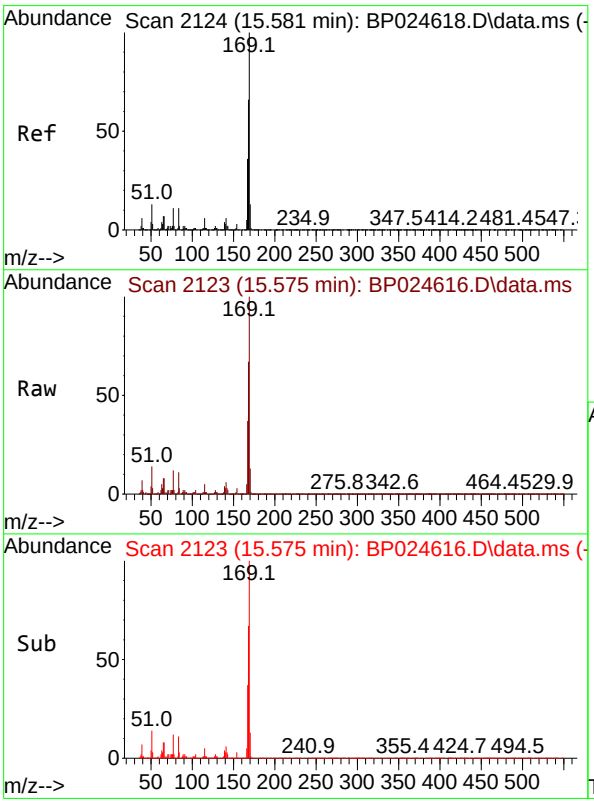
#65
4,6-Dinitro-2-methylphenol
Concen: 7.279 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 26174

Ion	Ratio	Lower	Upper
198	100		
51	40.9	21.1	61.1
105	47.8	23.6	63.6

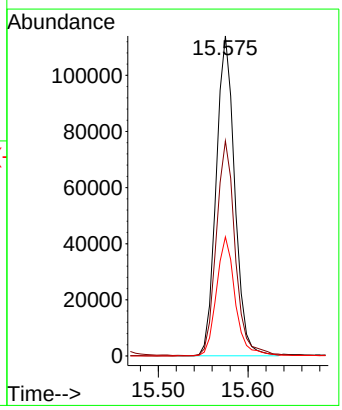


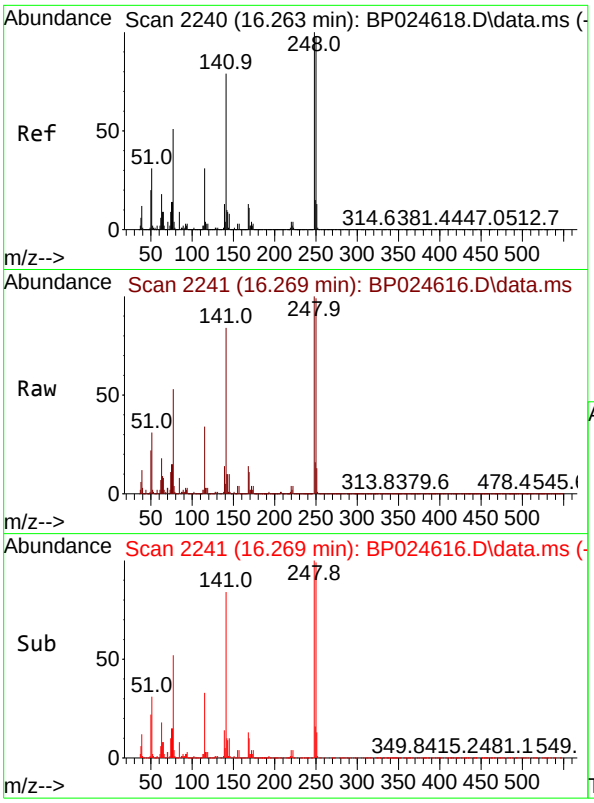


#66
n-Nitrosodiphenylamine
Concen: 9.592 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:169 Resp: 164008

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	37.2	28.6	43.0



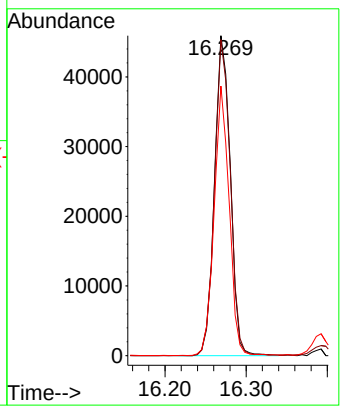


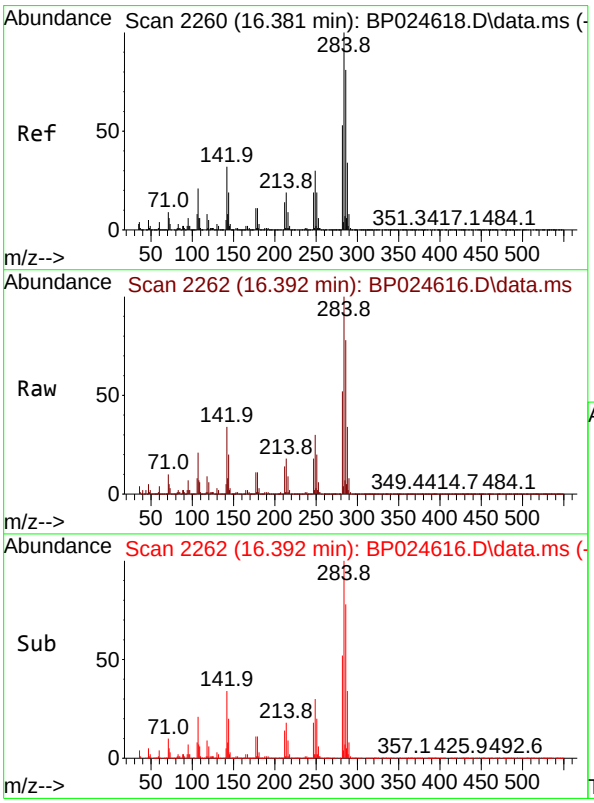
#67
4-Bromophenyl-phenylether
Concen: 9.454 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 62011

Ion	Ratio	Lower	Upper
248	100		
250	98.7	78.2	117.4
141	84.3	63.0	94.6

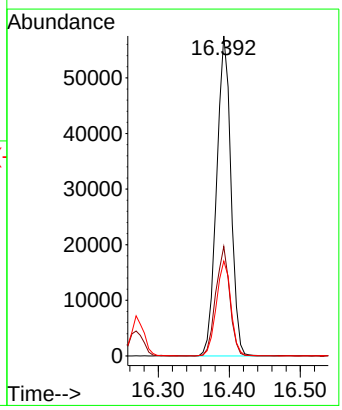


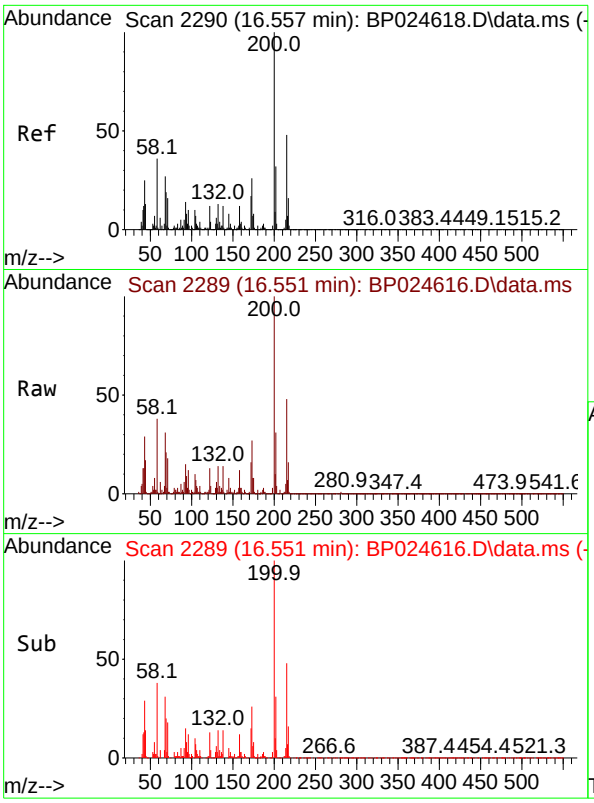


#68
Hexachlorobenzene
Concen: 9.609 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:284 Resp: 80088

Ion	Ratio	Lower	Upper
284	100		
142	34.2	25.9	38.9
249	29.6	24.1	36.1



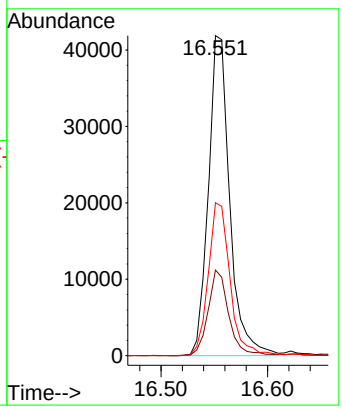


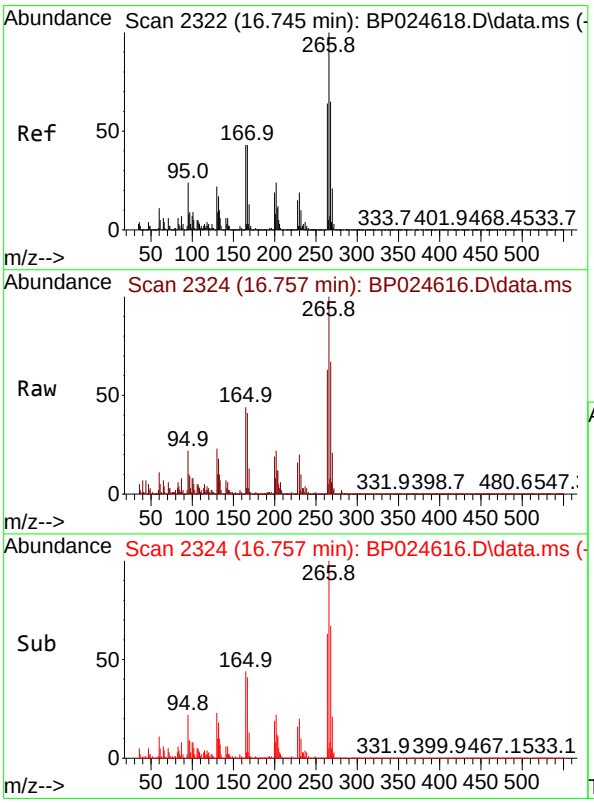
#69
Atrazine
Concen: 9.295 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 58245

Ion	Ratio	Lower	Upper
200	100		
173	26.8	5.9	45.9
215	47.8	28.3	68.3

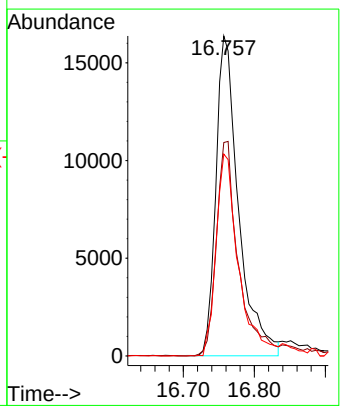


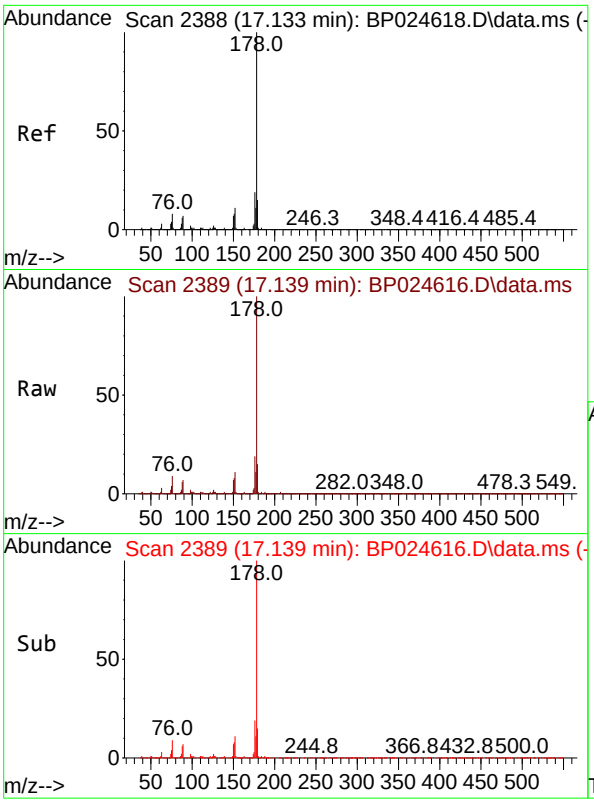


#70
Pentachlorophenol
Concen: 7.733 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:266 Resp: 36201

Ion	Ratio	Lower	Upper
266	100		
268	66.7	52.2	78.4
264	63.1	51.1	76.7



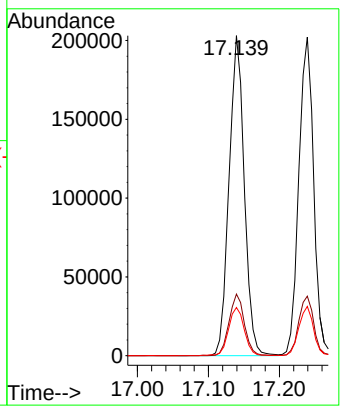


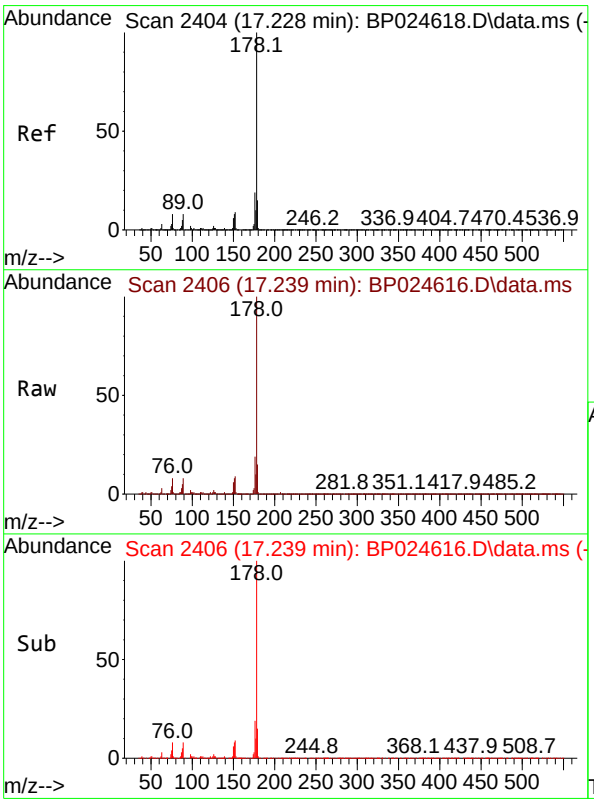
#71
Phenanthrene
Concen: 9.754 ng
RT: 17.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 301863

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.2	18.4

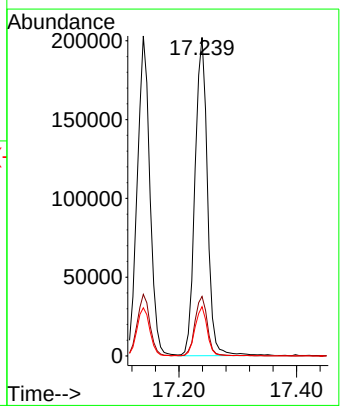


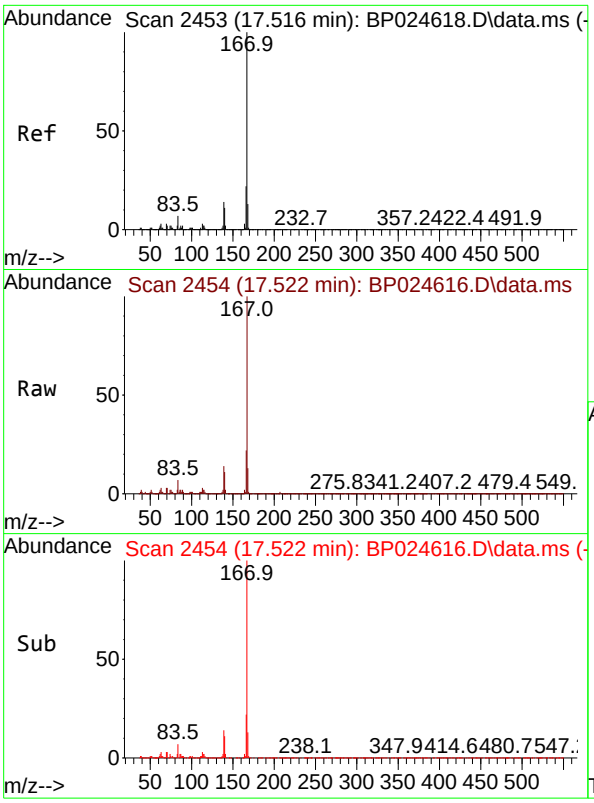


#72
Anthracene
Concen: 9.512 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 296146

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.2	18.2



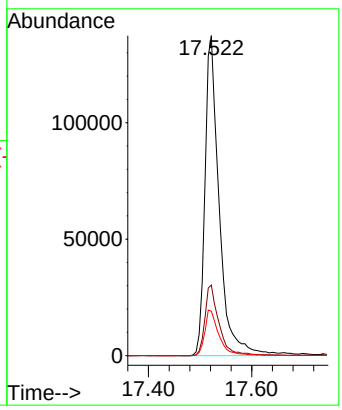


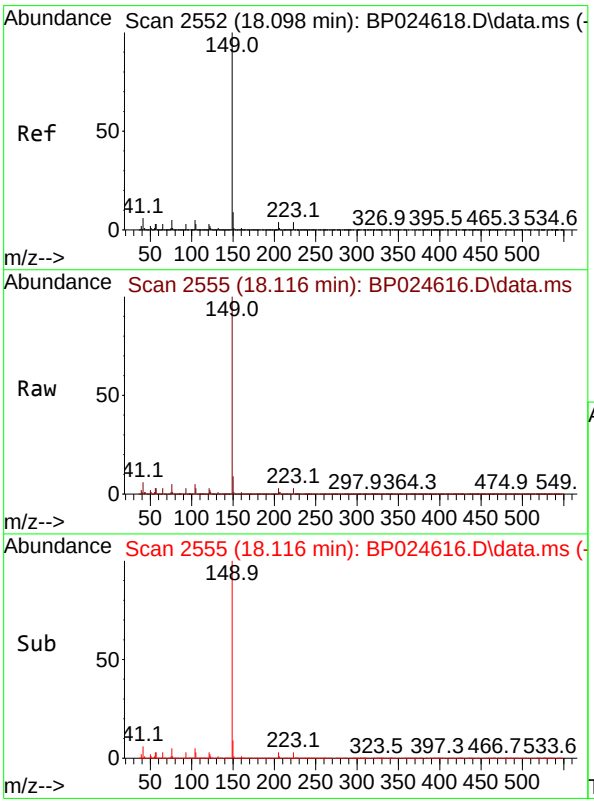
#73
Carbazole
Concen: 9.322 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 262687

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.9	11.3	16.9

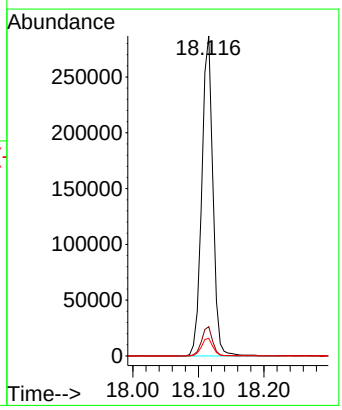


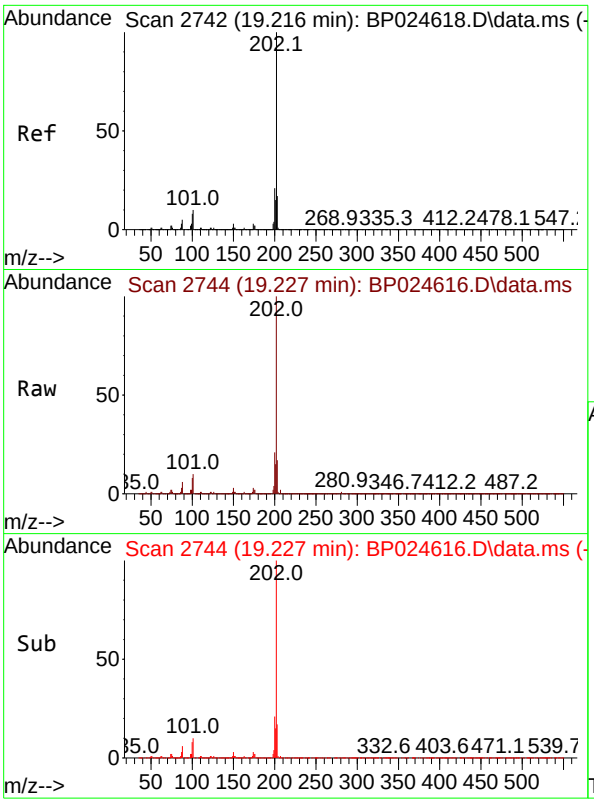


#74
Di-n-butylphthalate
Concen: 9.351 ng
RT: 18.116 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 338893

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.5	4.3	6.5



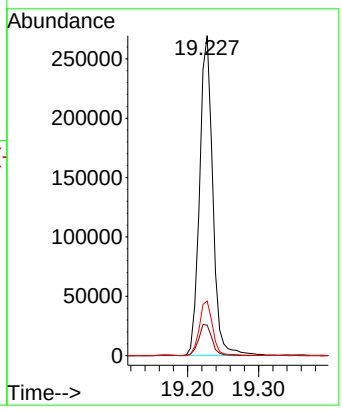


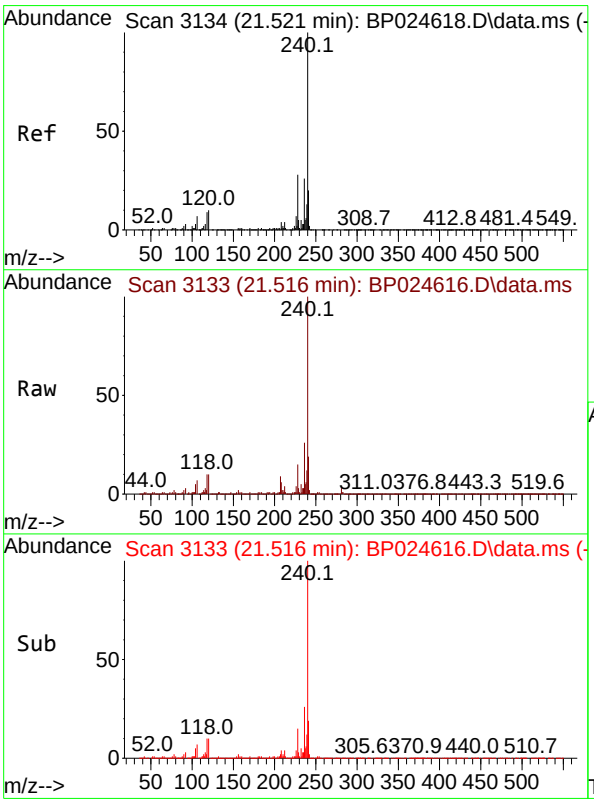
#75
Fluoranthene
Concen: 9.650 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 349083

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.3
203	17.1	0.0	37.5

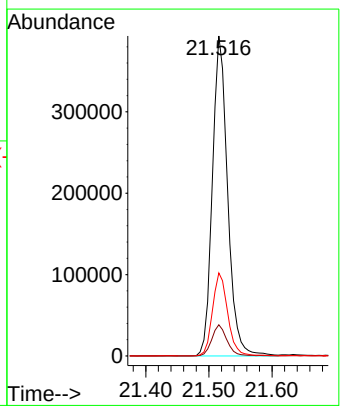


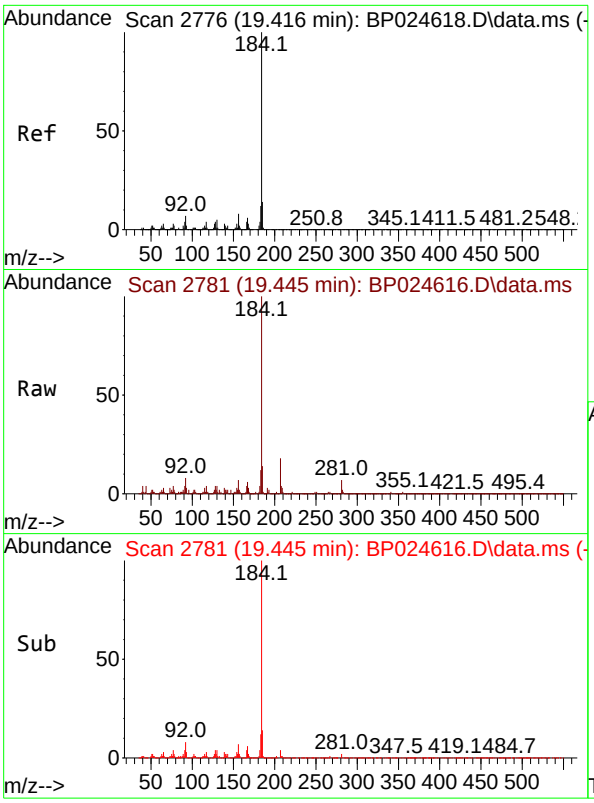


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:240 Resp: 659092

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	25.9	20.6	31.0



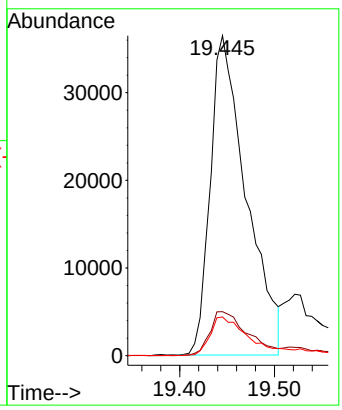


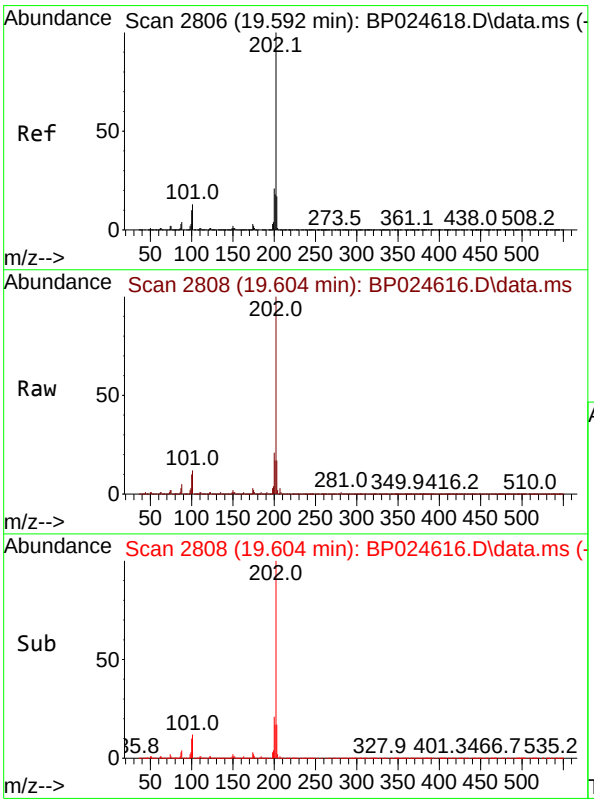
#77
Benzidine
Concen: 5.316 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 96179

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.2	16.8
183	12.1	9.8	14.8

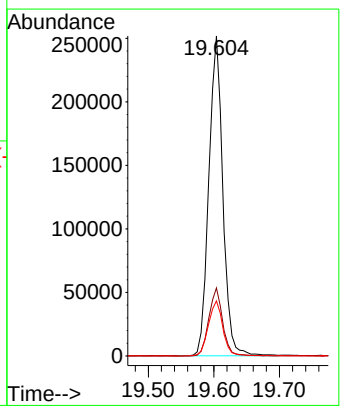


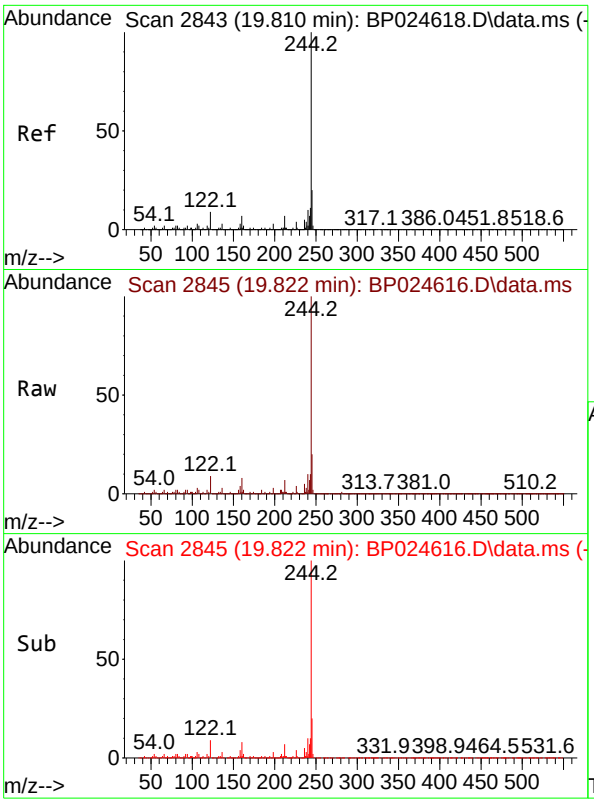


#78
Pyrene
Concen: 9.485 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 374573

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.2	13.9	20.9



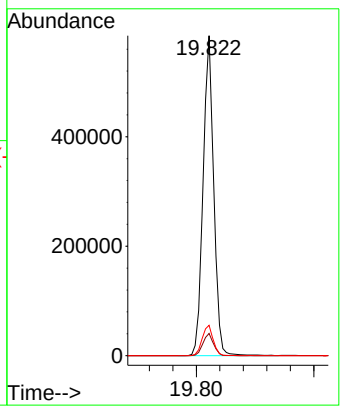


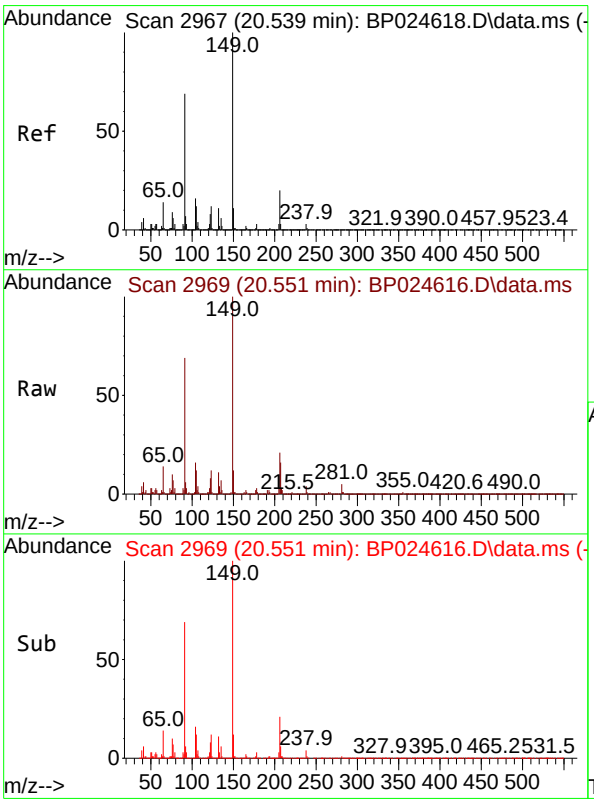
#79
Terphenyl-d14
Concen: 19.088 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 733687

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.5	7.4	11.0

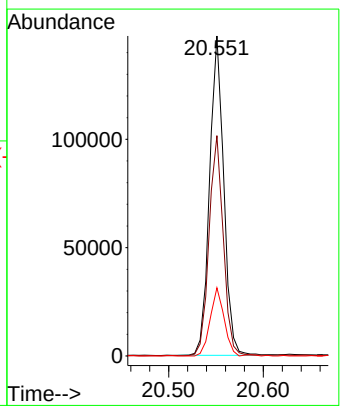


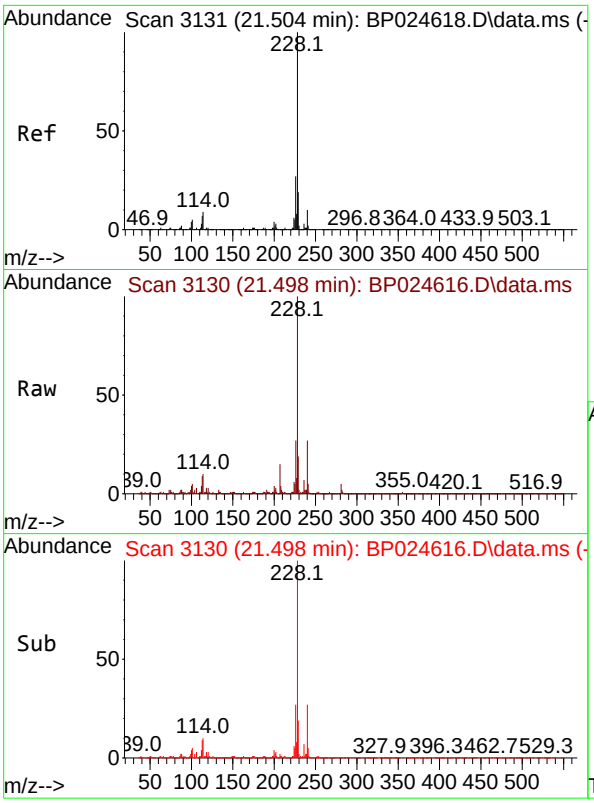


#80
Butylbenzylphthalate
Concen: 8.727 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 153275

Ion	Ratio	Lower	Upper
149	100		
91	68.8	55.4	83.0
206	21.3	16.2	24.2



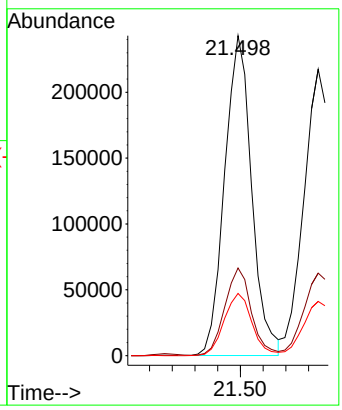


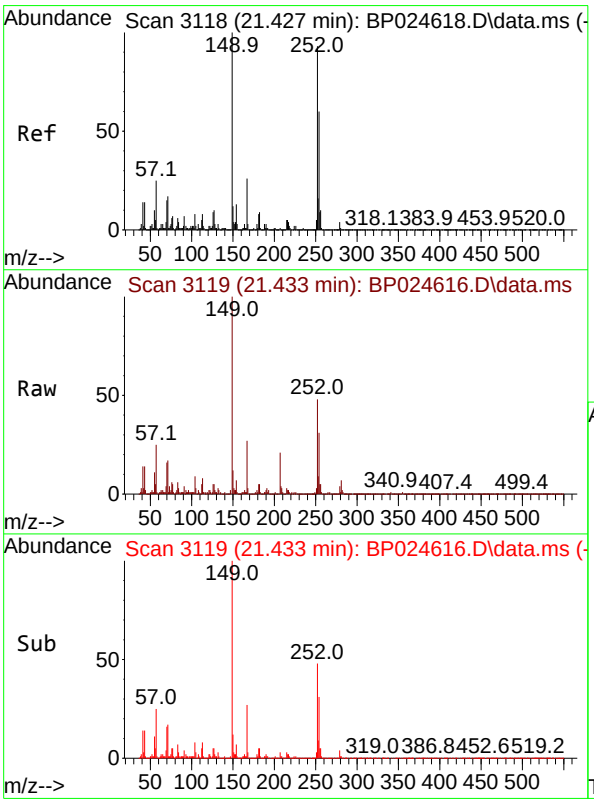
#81
Benzo(a)anthracene
Concen: 9.697 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 401322

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.0
229	19.5	15.5	23.3

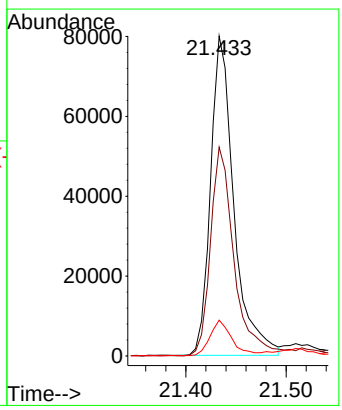


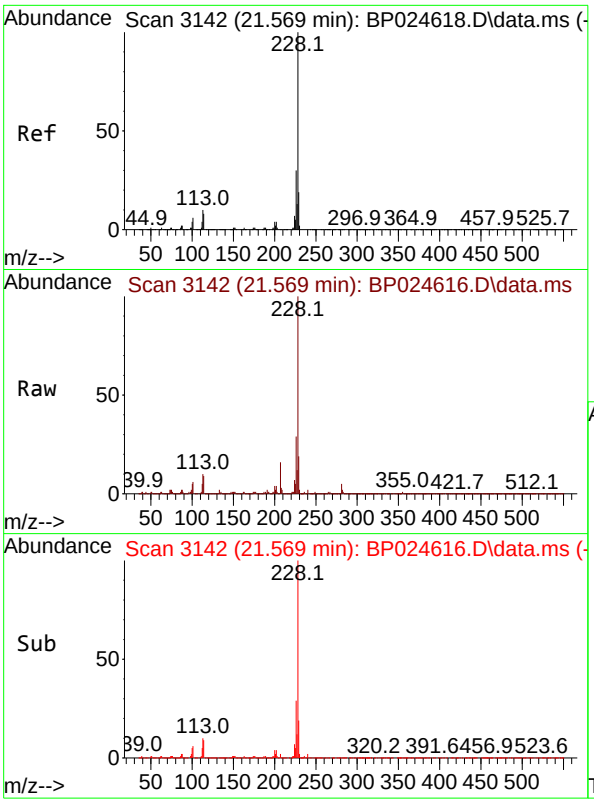


#82
3,3'-Dichlorobenzidine
Concen: 8.413 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 129324

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.6
126	11.2	7.7	11.5



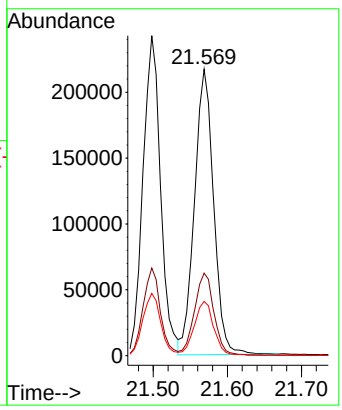


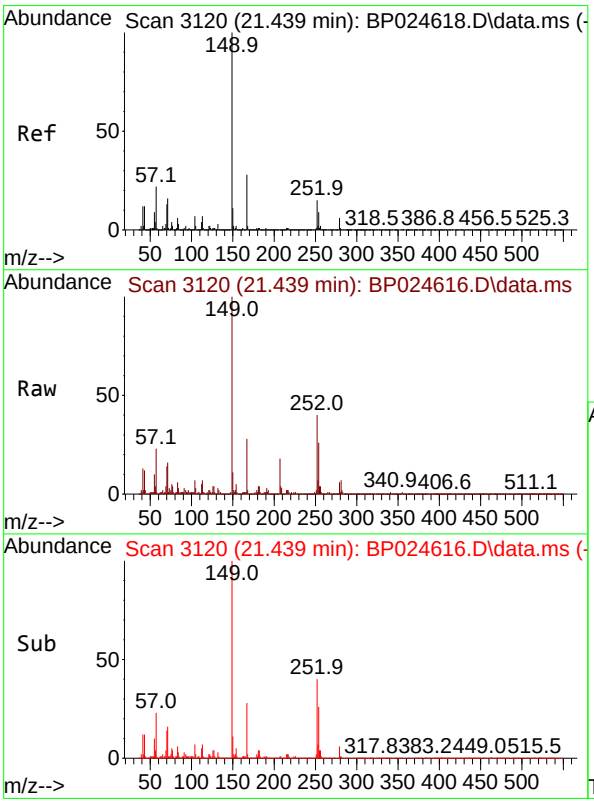
#83
Chrysene
Concen: 9.912 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 388846

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.9	35.9
229	19.0	15.5	23.3

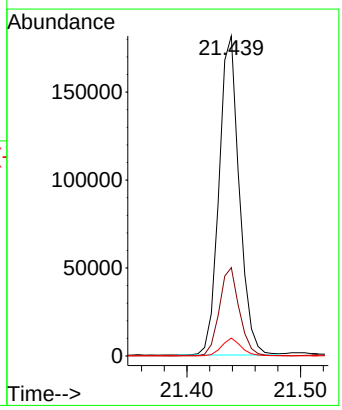


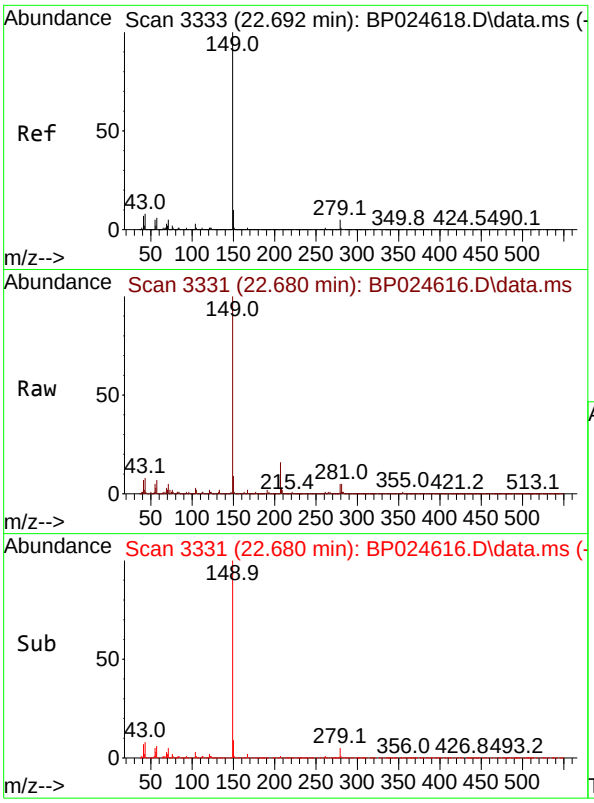


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.718 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 225047

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.6	4.6	6.8



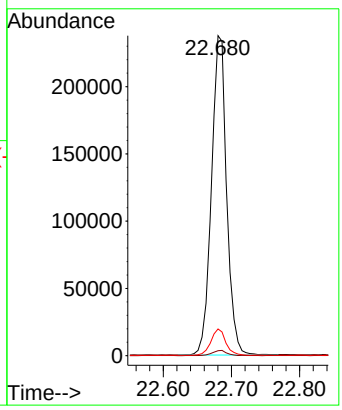


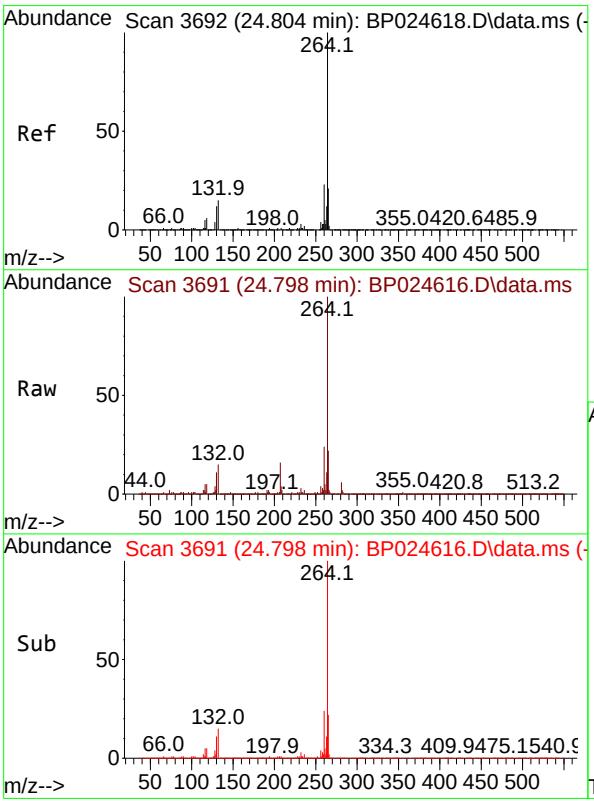
#85
Di-n-octyl phthalate
Concen: 8.716 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 367934

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.0	6.3	9.5

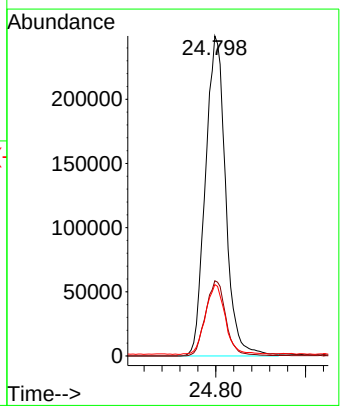


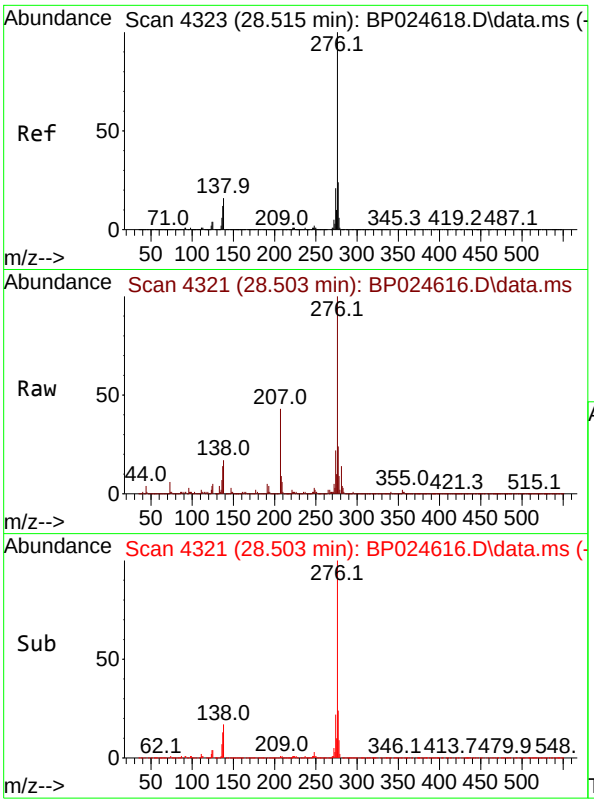


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:264 Resp: 780142

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.3	17.0	25.6



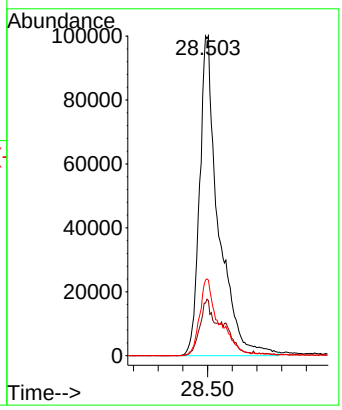


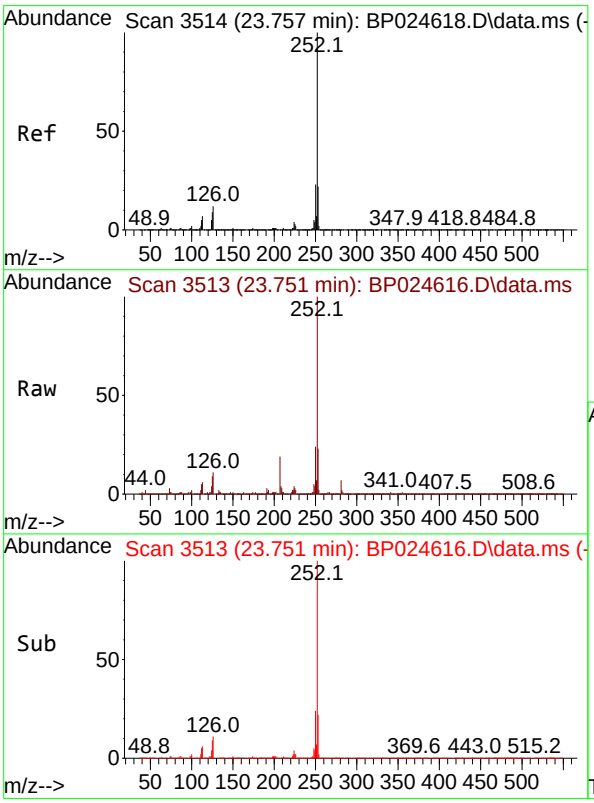
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.290 ng
RT: 28.503 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 529260

Ion	Ratio	Lower	Upper
276	100		
138	15.5	11.2	16.8
277	24.8	15.7	23.5#

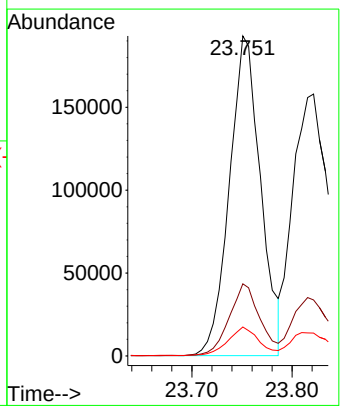


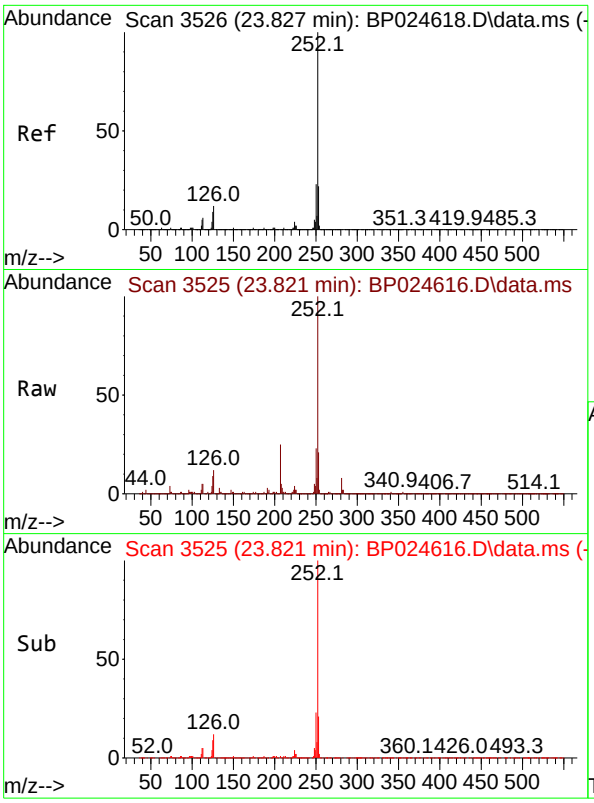


#88
Benzo(b)fluoranthene
Concen: 9.346 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 417343

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	9.1	7.5	11.3



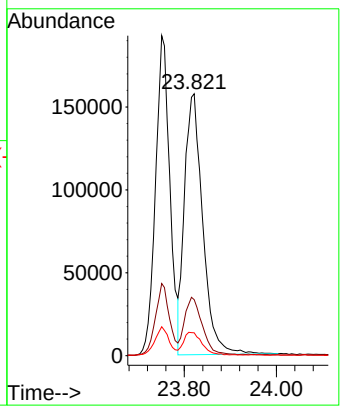


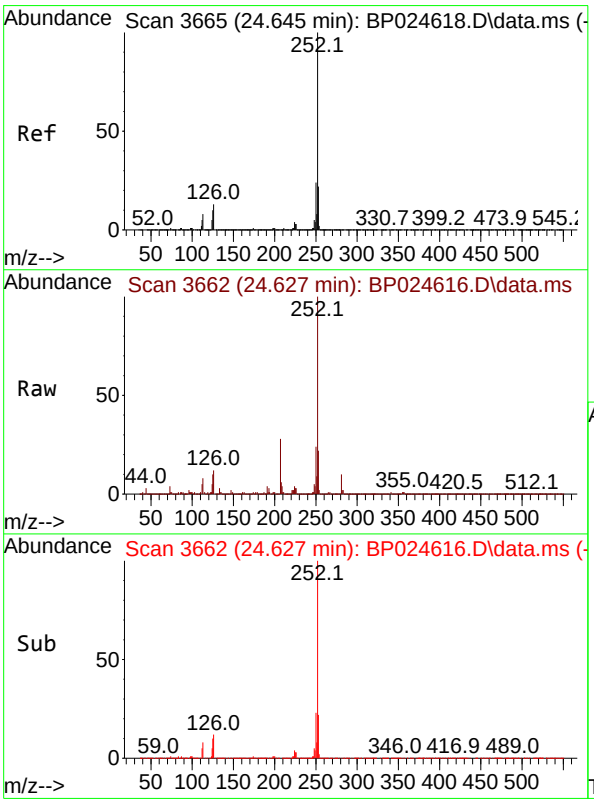
#89
Benzo(k)fluoranthene
Concen: 9.379 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 431575

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	8.7	7.0	10.4

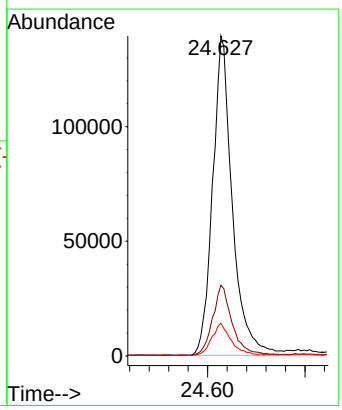


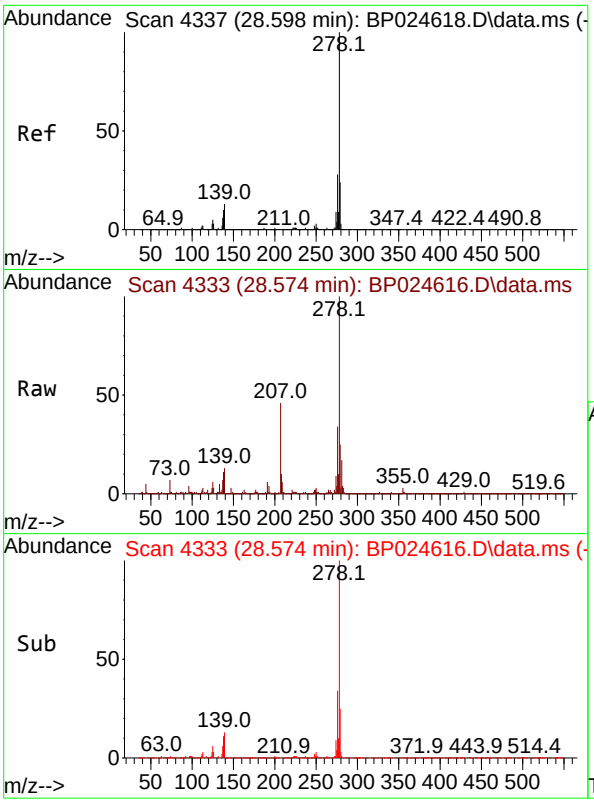


#90
Benzo(a)pyrene
Concen: 9.100 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 390288

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.1	12.1



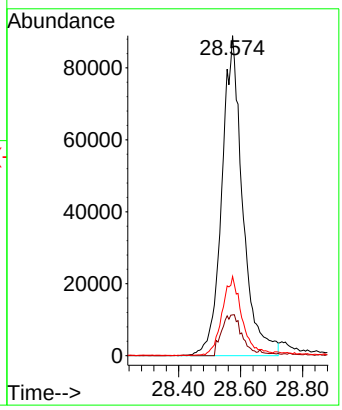


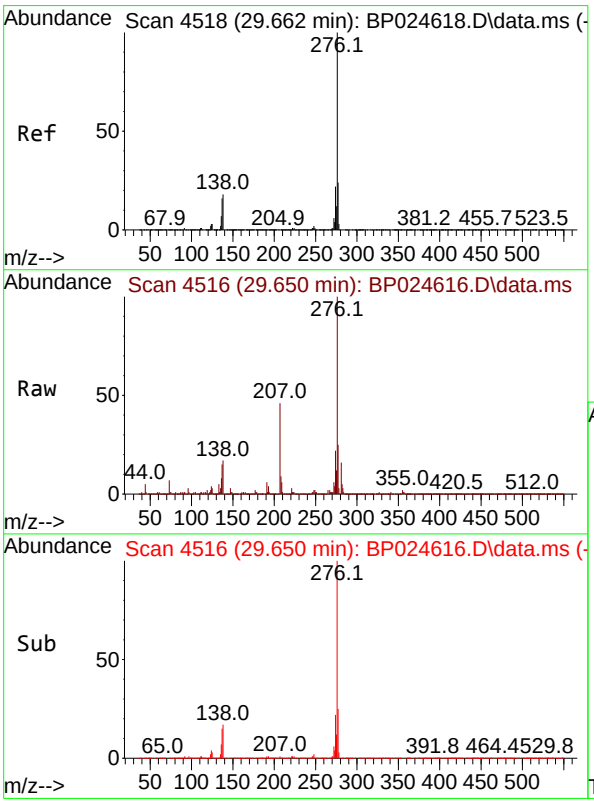
#91
Dibenzo(a,h)anthracene
Concen: 8.973 ng
RT: 28.574 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 415768

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.4
279	24.7	19.0	28.4

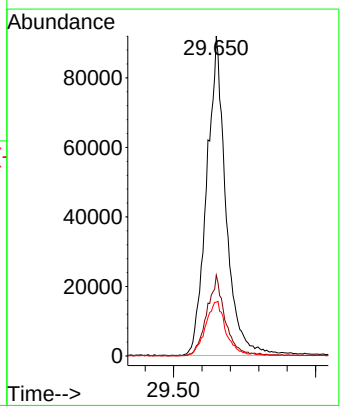




#92
Benzo(g,h,i)perylene
Concen: 9.366 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 431559

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	16.8	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	112650	20.000	ng		0.00
21) Naphthalene-d8	10.434	136	488721	20.000	ng		0.00
39) Acenaphthene-d10	14.299	164	323928	20.000	ng		0.00
64) Phenanthrene-d10	17.087	188	644367	20.000	ng		-0.01
76) Chrysene-d12	21.522	240	745224	20.000	ng		0.00
86) Perylene-d12	24.792	264	850264	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	261821	39.752	ng		0.00
7) Phenol-d6	6.858	99	334811	39.830	ng		0.00
23) Nitrobenzene-d5	8.811	82	391739	40.500	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	217092	39.532	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	1006150	40.694	ng		0.00
79) Terphenyl-d14	19.810	244	1736879	39.964	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.229	88	60251	19.481	ng		98
3) Pyridine	3.628	79	135451	19.752	ng		99
4) n-Nitrosodimethylamine	3.540	42	59324	19.595	ng		99
6) Aniline	7.005	93	217646	20.054	ng		100
8) 2-Chlorophenol	7.240	128	147726	19.758	ng		99
9) Benzaldehyde	6.822	77	120893	22.255	ng		96
10) Phenol	6.881	94	171949	19.819	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	141599	19.862	ng		99
12) 1,3-Dichlorobenzene	7.552	146	171270	19.910	ng		99
13) 1,4-Dichlorobenzene	7.699	146	171756	19.852	ng		98
14) 1,2-Dichlorobenzene	8.011	146	168795	20.022	ng		99
15) Benzyl Alcohol	7.911	79	127076	19.893	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	171274	20.061	ng		100
17) 2-Methylphenol	8.111	107	124506	20.008	ng		99
18) Hexachloroethane	8.728	117	65527	19.764	ng		97
19) n-Nitroso-di-n-propyla...	8.458	70	122386	21.048	ng		98
20) 3+4-Methylphenols	8.440	107	169264	19.997	ng		97
22) Acetophenone	8.481	105	249692	20.453	ng	#	100
24) Nitrobenzene	8.858	77	173686	20.405	ng		99
25) Isophorone	9.375	82	339697	20.246	ng		100
26) 2-Nitrophenol	9.563	139	82278	19.726	ng		98
27) 2,4-Dimethylphenol	9.622	122	146819	19.965	ng		97
28) bis(2-Chloroethoxy)met...	9.852	93	200872	20.039	ng		99
29) 2,4-Dichlorophenol	10.099	162	141785	19.896	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	159998	19.924	ng		95
31) Naphthalene	10.481	128	512888	20.251	ng		100
32) Benzoic acid	9.746	122	56285	16.180	ng		98
33) 4-Chloroaniline	10.605	127	205433	20.102	ng		99
34) Hexachlorobutadiene	10.763	225	103364	19.869	ng		99
35) Caprolactam	11.381	113	50721	19.683	ng		99
36) 4-Chloro-3-methylphenol	11.734	107	174840	20.118	ng		99
37) 2-Methylnaphthalene	12.093	142	327447	19.968	ng		99
38) 1-Methylnaphthalene	12.316	142	352091	20.066	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	185982	19.772	ng		99
41) Hexachlorocyclopentadiene	12.440	237	113499	19.899	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	121520	19.945	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.799	196	135306	19.951	ng		98
46) 1,1'-Biphenyl	13.116	154	483352	20.189	ng		100
47) 2-Chloronaphthalene	13.163	162	366247	20.063	ng		100
48) 2-Nitroaniline	13.375	65	107062	19.809	ng		98
49) Acenaphthylene	14.016	152	621997	20.360	ng		100
50) Dimethylphthalate	13.751	163	491623	19.912	ng		99
51) 2,6-Dinitrotoluene	13.869	165	105479	20.228	ng		97
52) Acenaphthene	14.357	154	354519	20.186	ng		99
53) 3-Nitroaniline	14.210	138	106527	20.008	ng		98
54) 2,4-Dinitrophenol	14.428	184	46351	19.370	ng		91
55) Dibenzofuran	14.698	168	563719	20.123	ng		99
56) 4-Nitrophenol	14.551	139	71975	19.022	ng		93
57) 2,4-Dinitrotoluene	14.675	165	147676	20.088	ng		99
58) Fluorene	15.357	166	456792	19.998	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	123265	19.593	ng		99
60) Diethylphthalate	15.128	149	497916	19.953	ng		99
61) 4-Chlorophenyl-phenyle...	15.351	204	226790	19.909	ng		98
62) 4-Nitroaniline	15.393	138	105617	20.374	ng		99
63) Azobenzene	15.651	77	439183	20.573	ng		99
65) 4,6-Dinitro-2-methylph...	15.451	198	77131	18.531	ng		96
66) n-Nitrosodiphenylamine	15.575	169	404085	20.416	ng		99
67) 4-Bromophenyl-phenylether	16.263	248	152393	20.071	ng		97
68) Hexachlorobenzene	16.381	284	192290	19.930	ng		99
69) Atrazine	16.545	200	146468	20.193	ng		99
70) Pentachlorophenol	16.740	266	104916	19.360	ng		98
71) Phenanthrene	17.128	178	724922	20.237	ng		100
72) Anthracene	17.222	178	735787	20.416	ng		100
73) Carbazole	17.510	167	669730	20.531	ng		99
74) Di-n-butylphthalate	18.092	149	858522	20.464	ng		100
75) Fluoranthene	19.210	202	846684	20.220	ng		100
77) Benzidine	19.422	184	404890	19.793	ng		99
78) Pyrene	19.592	202	892037	19.977	ng		99
80) Butylbenzylphthalate	20.539	149	400050	20.145	ng		97
81) Benzo(a)anthracene	21.498	228	933614	19.952	ng		99
82) 3,3'-Dichlorobenzidine	21.428	252	353000	20.310	ng		100
83) Chrysene	21.569	228	883001	19.906	ng		99
84) Bis(2-ethylhexyl)phtha...	21.439	149	597012	20.454	ng		98
85) Di-n-octyl phthalate	22.686	149	947571	19.852	ng		99
87) Indeno(1,2,3-cd)pyrene	28.486	276	1047319	16.867	ng	#	90
88) Benzo(b)fluoranthene	23.757	252	979873	20.134	ng		99
89) Benzo(k)fluoranthene	23.822	252	1005349	20.047	ng		100
90) Benzo(a)pyrene	24.627	252	945764	20.234	ng		100
91) Dibenzo(a,h)anthracene	28.568	278	1008288	19.966	ng		99
92) Benzo(g,h,i)perylene	29.627	276	991852	19.751	ng		99

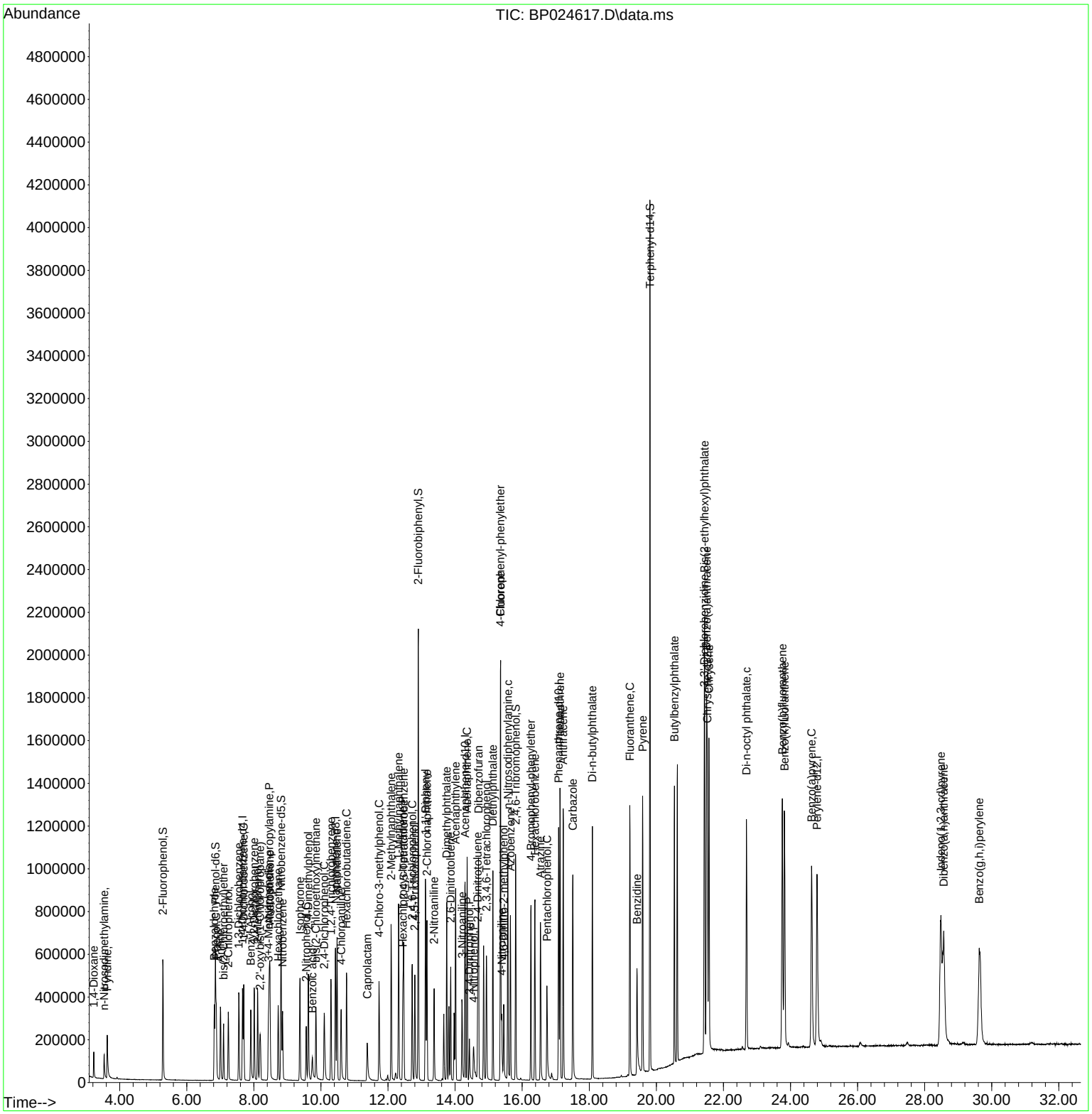
(#) = qualifier out of range (m) = manual integration (+) = signals summed

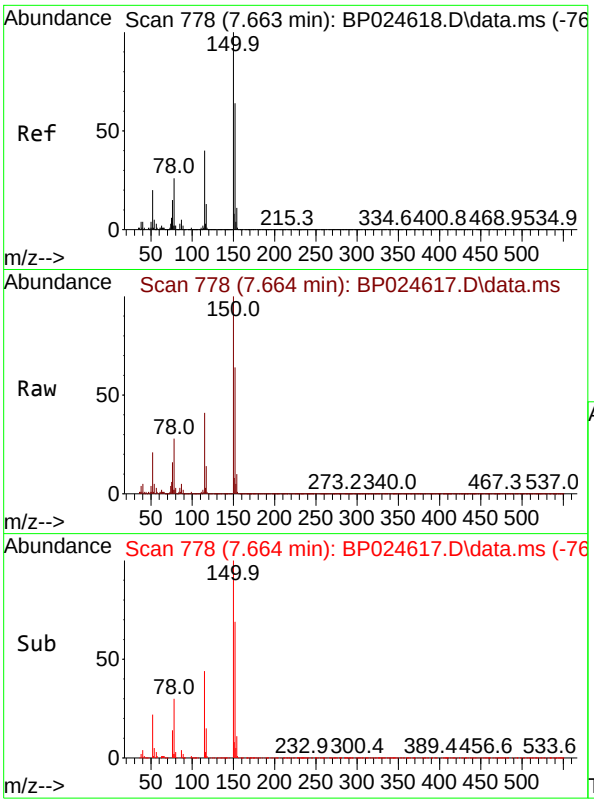
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration





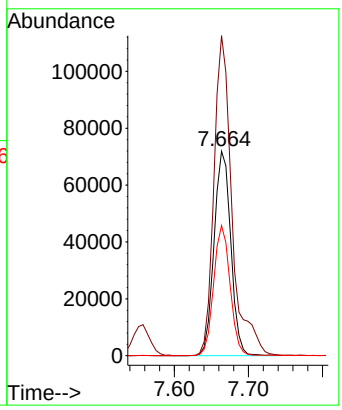
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.664 min Scan# 7

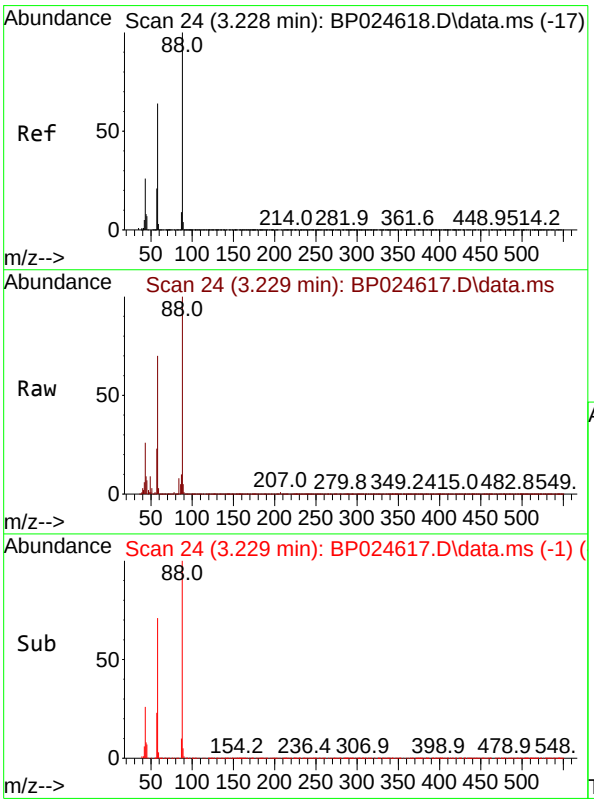
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Delta R.T. 0.001 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 112650

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	63.6	50.1	75.1

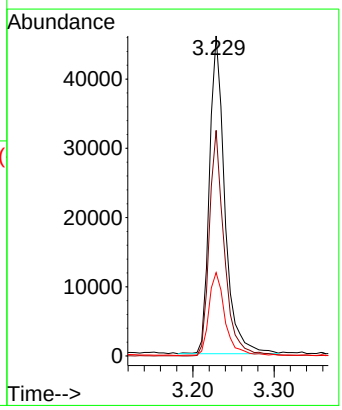


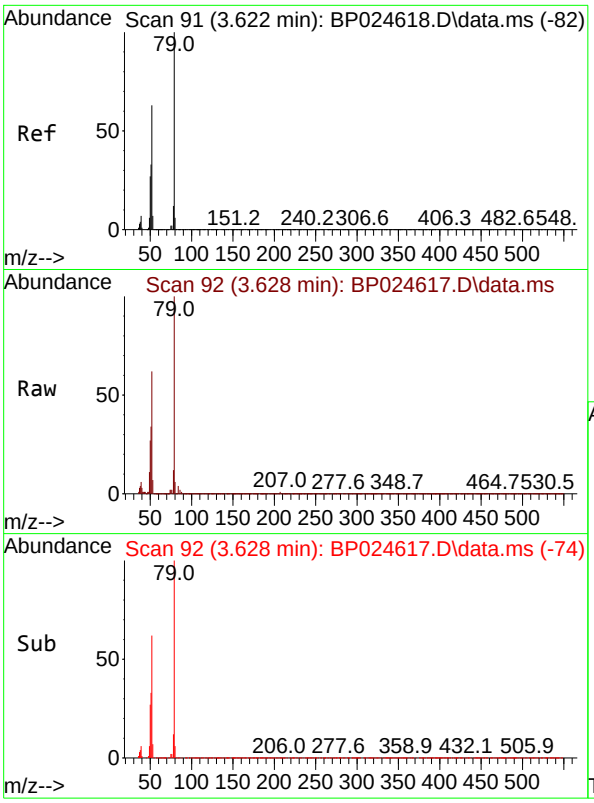


#2
1,4-Dioxane
Concen: 19.481 ng
RT: 3.229 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 88 Resp: 60251

Ion	Ratio	Lower	Upper
88	100		
58	69.2	54.0	81.0
43	27.3	21.4	32.0



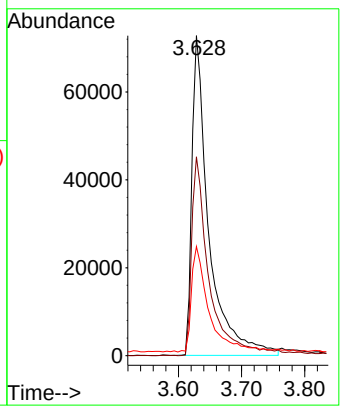


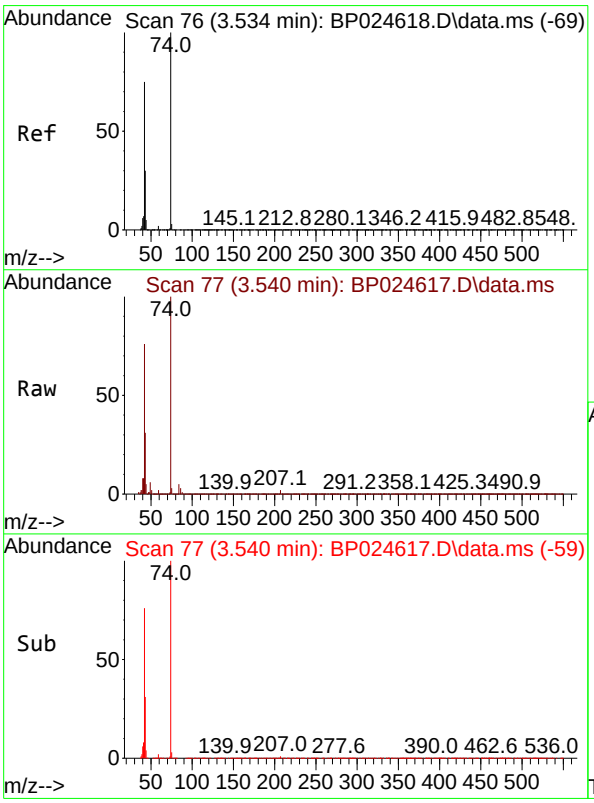
#3
Pyridine
Concen: 19.752 ng
RT: 3.628 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 135451

Ion	Ratio	Lower	Upper
79	100		
52	62.1	50.2	75.2
51	34.1	26.8	40.2

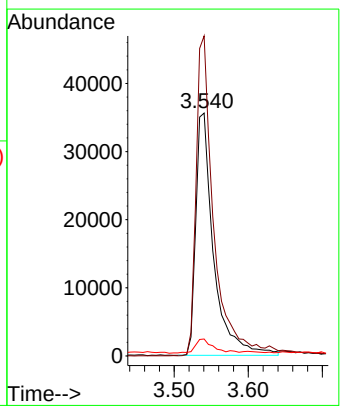


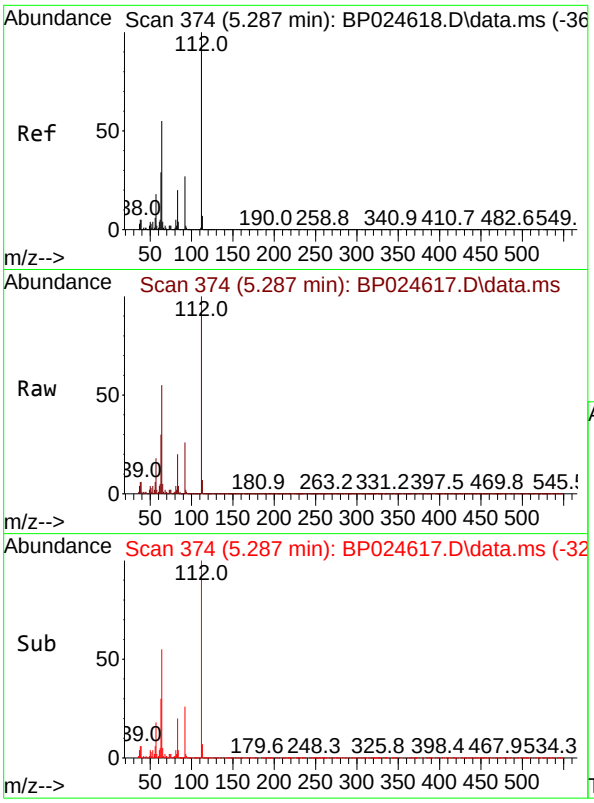


#4
n-Nitrosodimethylamine
Concen: 19.595 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 42 Resp: 59324

Ion	Ratio	Lower	Upper
42	100		
74	131.7	106.2	159.2
44	7.0	5.4	8.2



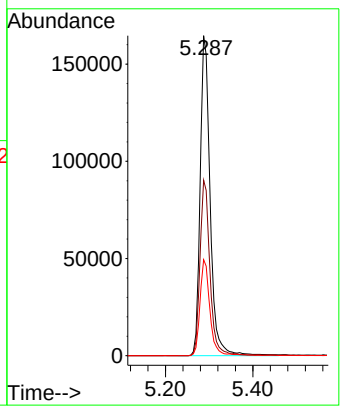


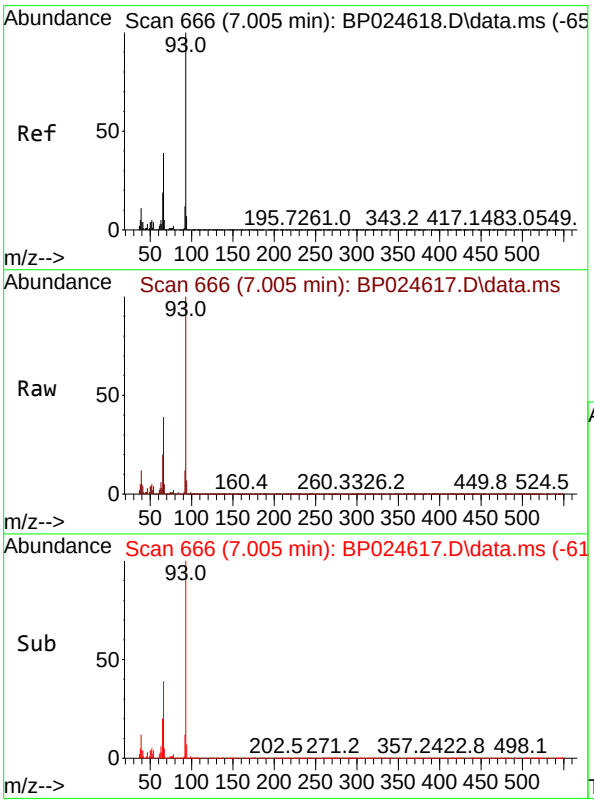
#5
2-Fluorophenol
Concen: 39.752 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 261821

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	30.0	23.5	35.3

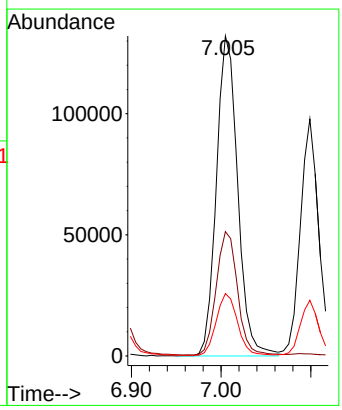


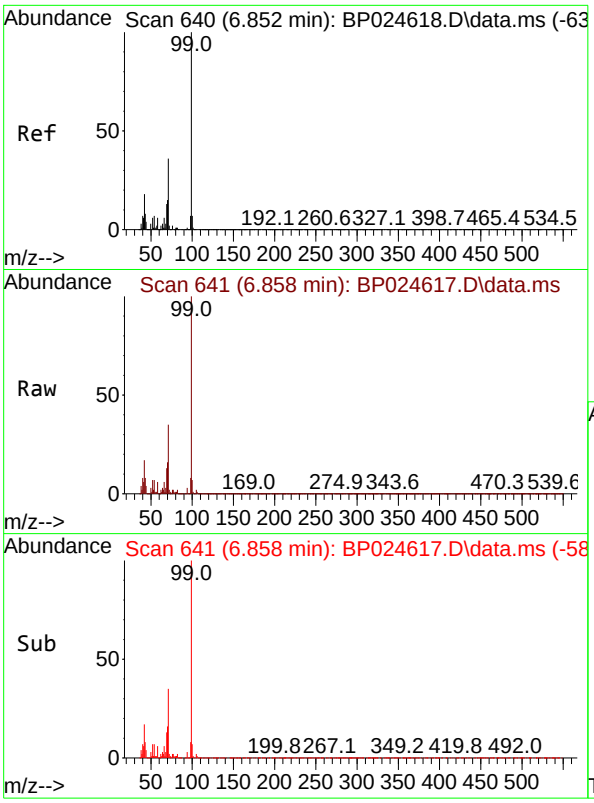


#6
Aniline
Concen: 20.054 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 217646

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3



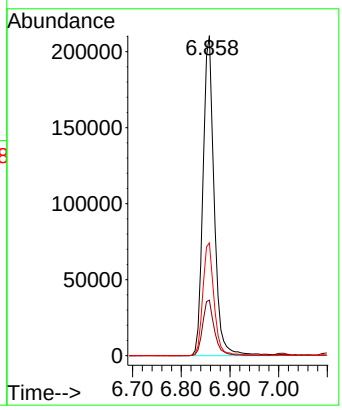


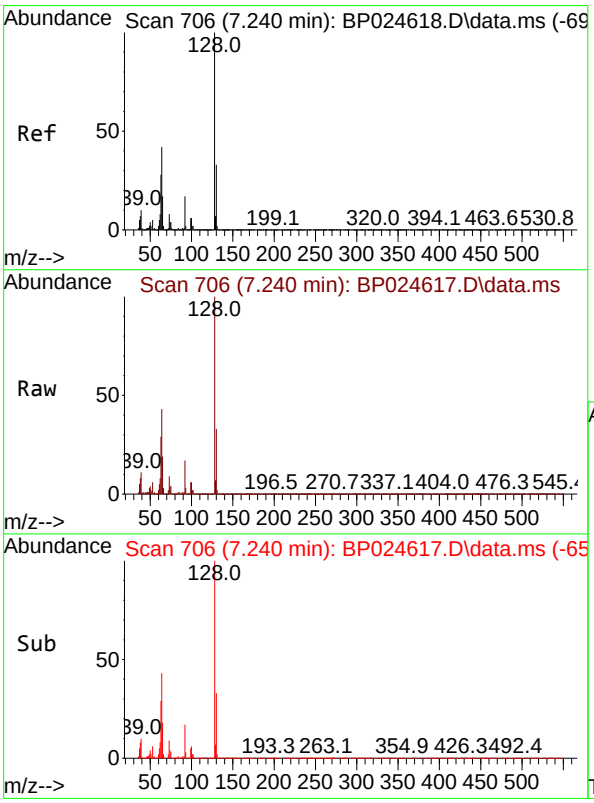
#7
Phenol-d6
Concen: 39.830 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 334811

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	35.3	29.2	43.8

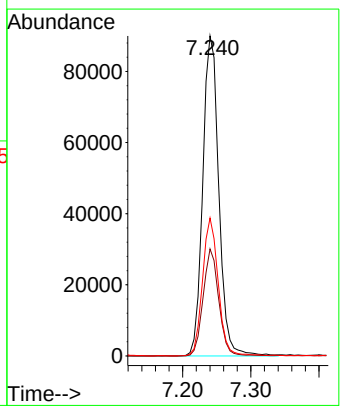


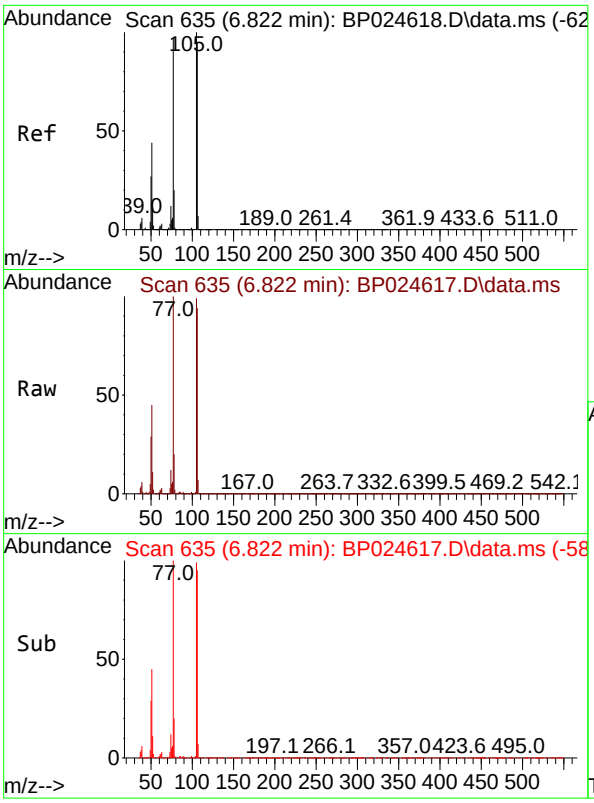


#8
2-Chlorophenol
Concen: 19.758 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 147726

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.0	53.0
64	43.1	22.3	62.3



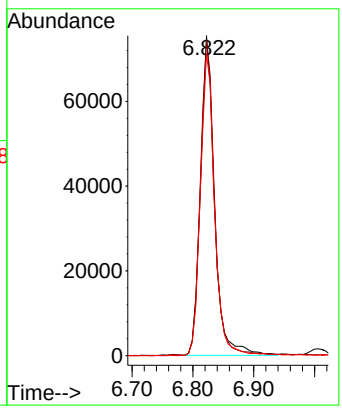


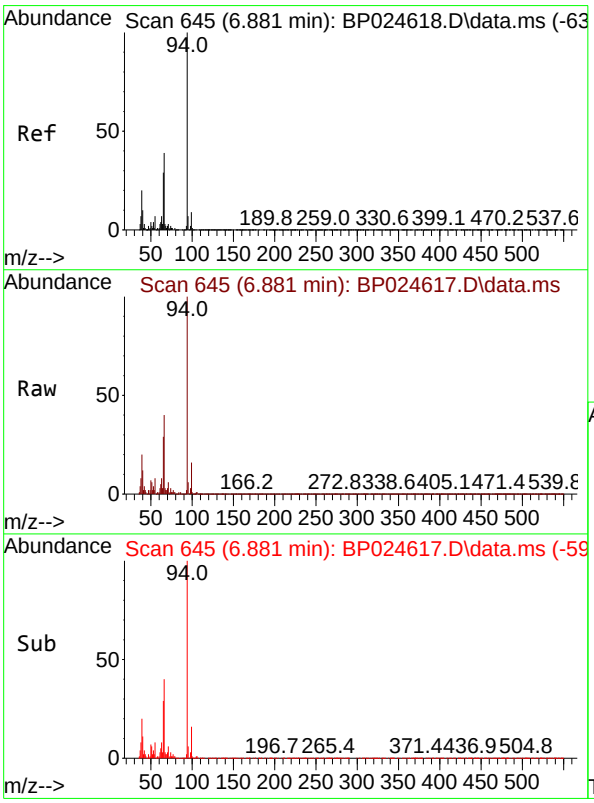
#9
Benzaldehyde
Concen: 22.255 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 120893

Ion	Ratio	Lower	Upper
77	100		
105	98.5	83.3	123.3
106	94.4	78.0	118.0

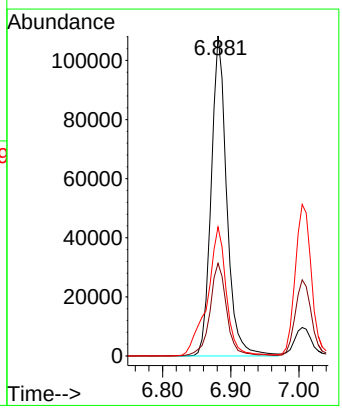


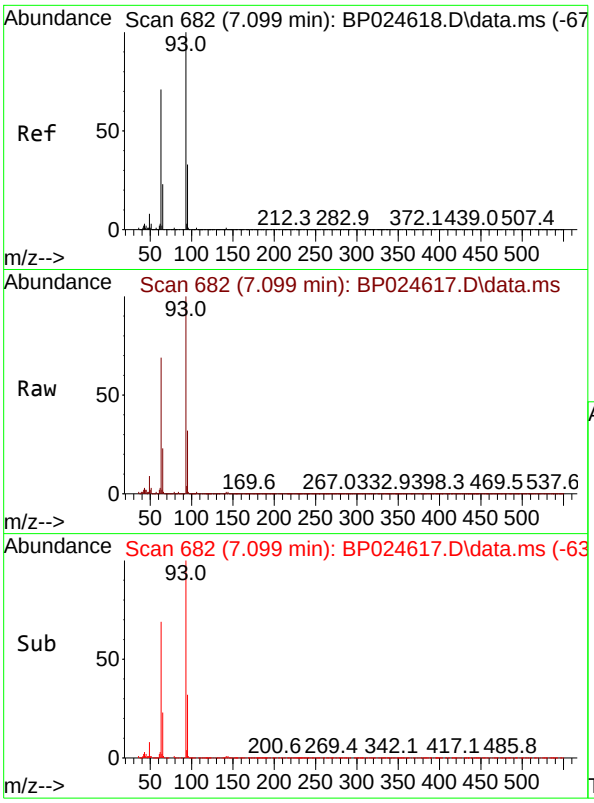


#10
Phenol
Concen: 19.819 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 94 Resp: 171949

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.7	48.7
66	40.3	19.4	59.4



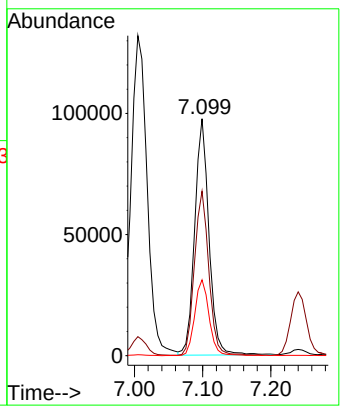


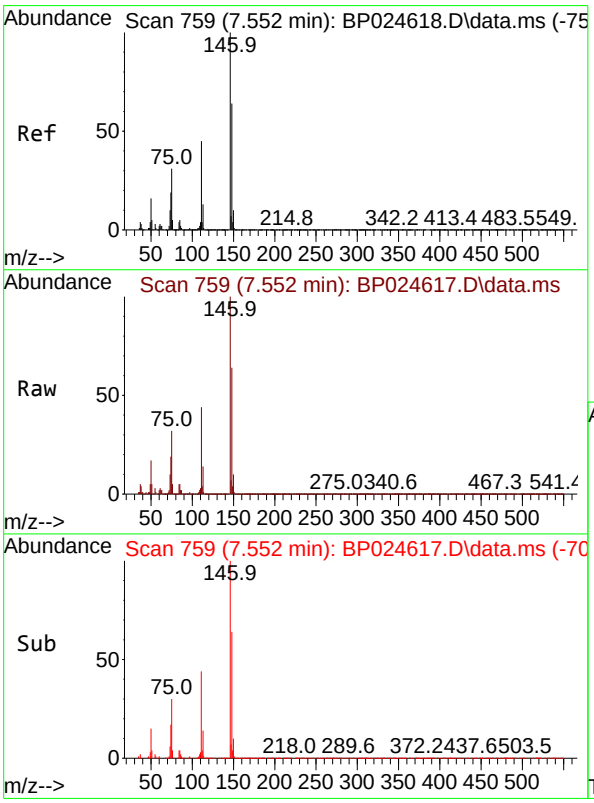
#11
bis(2-Chloroethyl)ether
Concen: 19.862 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 141599

Ion	Ratio	Lower	Upper
93	100		
63	69.4	50.6	90.6
95	32.0	12.9	52.9

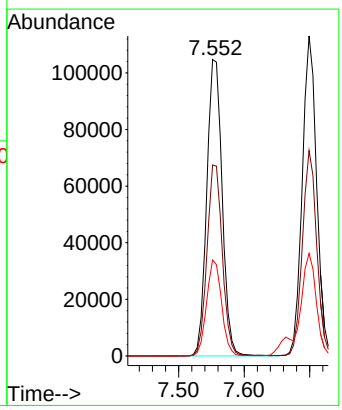


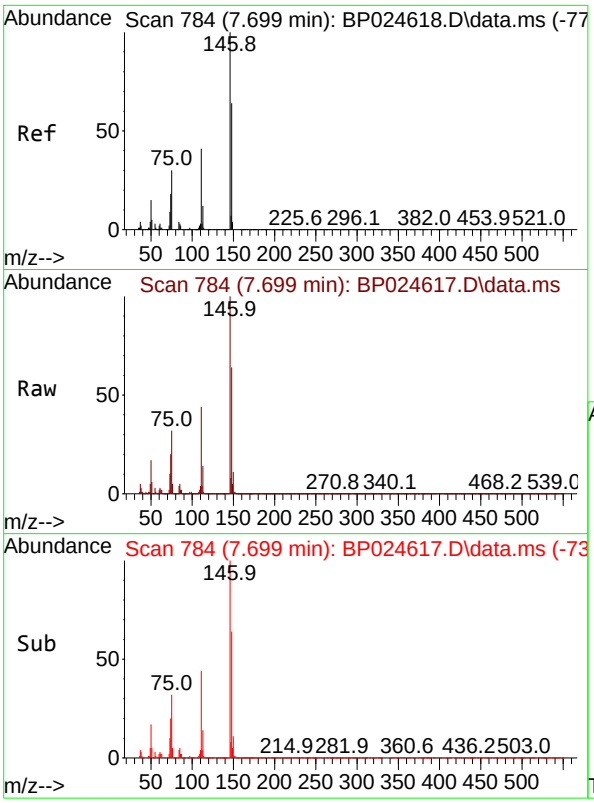


#12
1,3-Dichlorobenzene
Concen: 19.910 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 171270

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.2
75	32.4	25.2	37.8



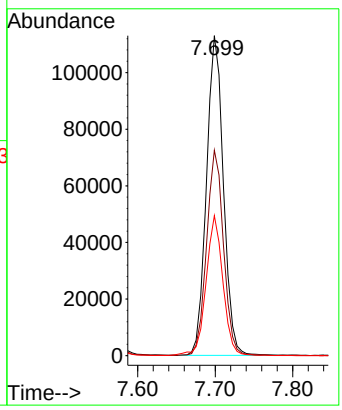


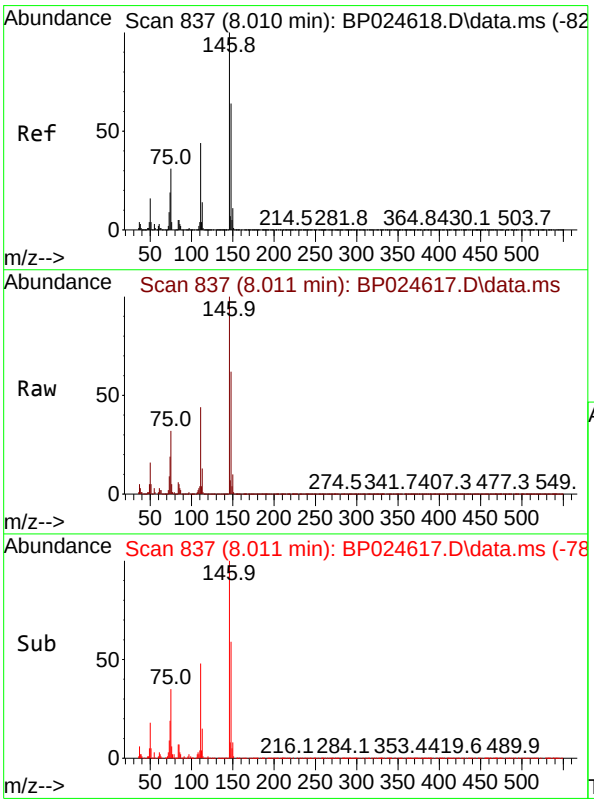
#13
1,4-Dichlorobenzene
Concen: 19.852 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 171756

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	43.7	33.0	49.6

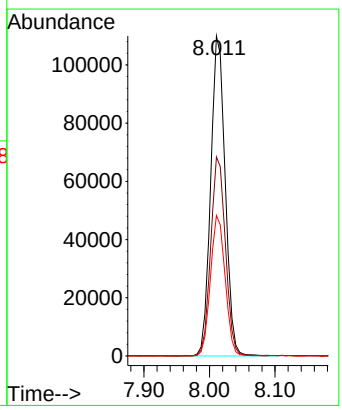


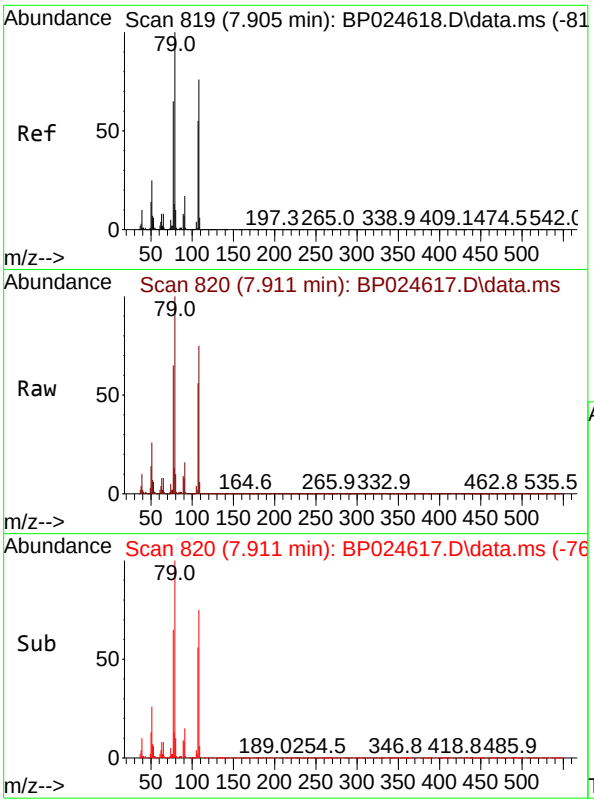


#14
1,2-Dichlorobenzene
Concen: 20.022 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 168795

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.4
111	43.9	35.2	52.8



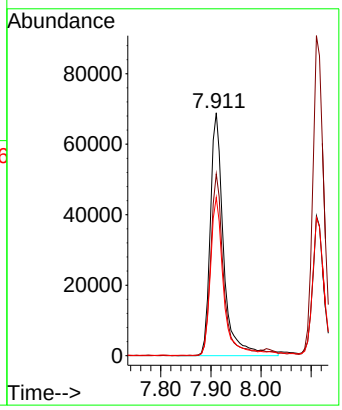


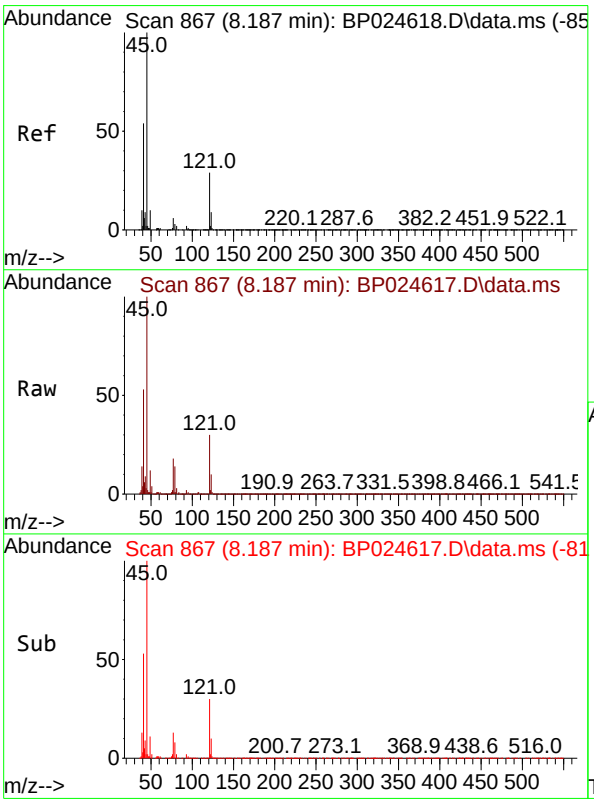
#15
Benzyl Alcohol
Concen: 19.893 ng
RT: 7.911 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 127076

Ion	Ratio	Lower	Upper
79	100		
108	74.8	60.8	91.2
77	65.1	51.9	77.9

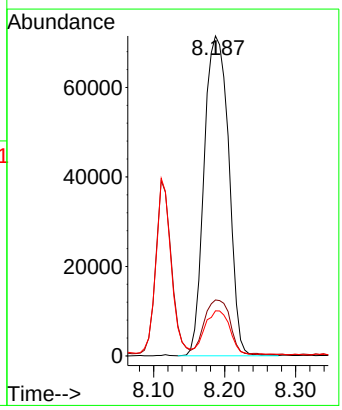


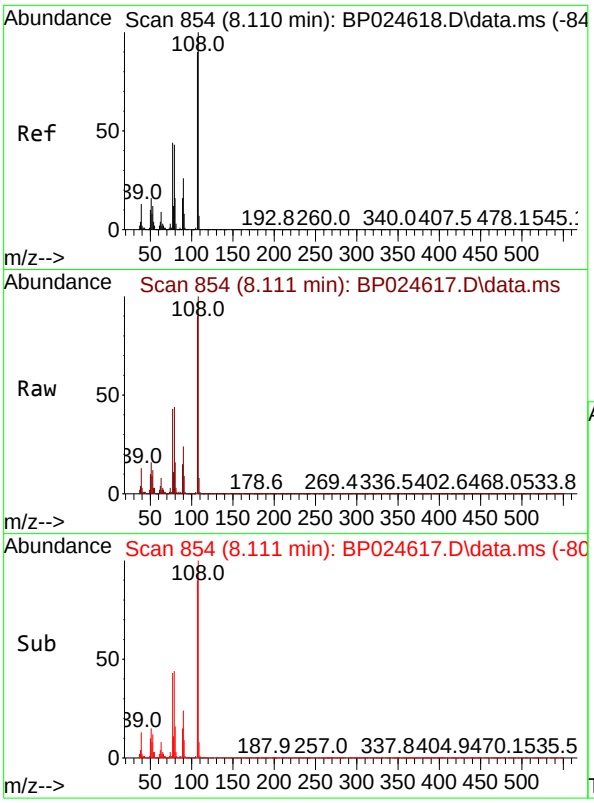


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.061 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 45 Resp: 171274

Ion	Ratio	Lower	Upper
45	100		
77	17.5	0.0	37.7
79	14.1	0.0	34.0



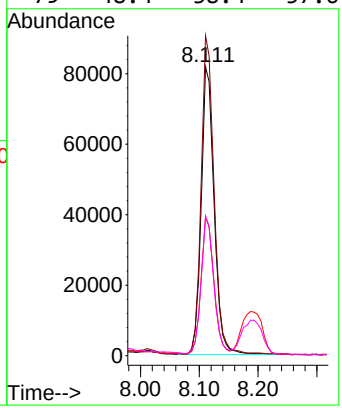


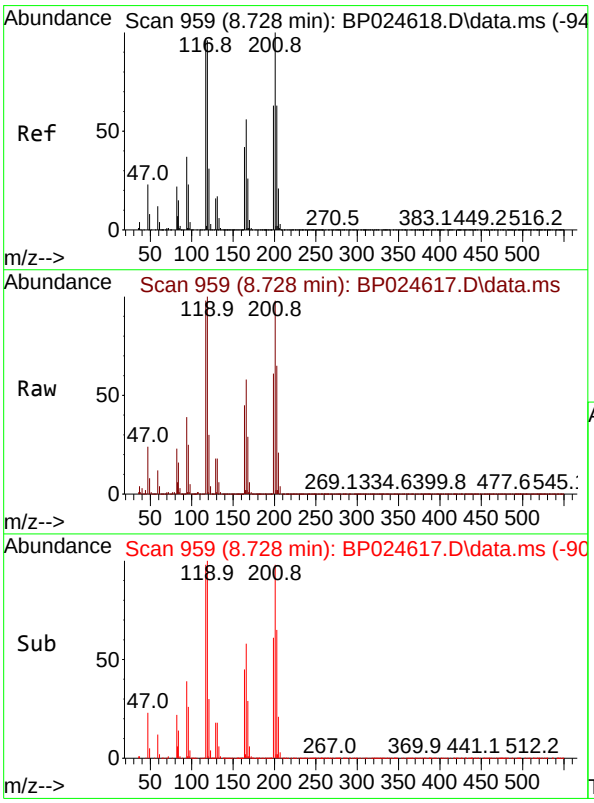
#17
2-Methylphenol
Concen: 20.008 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 124506

Ion	Ratio	Lower	Upper
107	100		
108	110.8	88.9	133.3
77	47.9	39.0	58.6
79	48.4	38.4	57.6

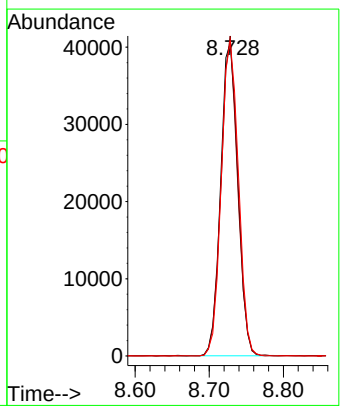


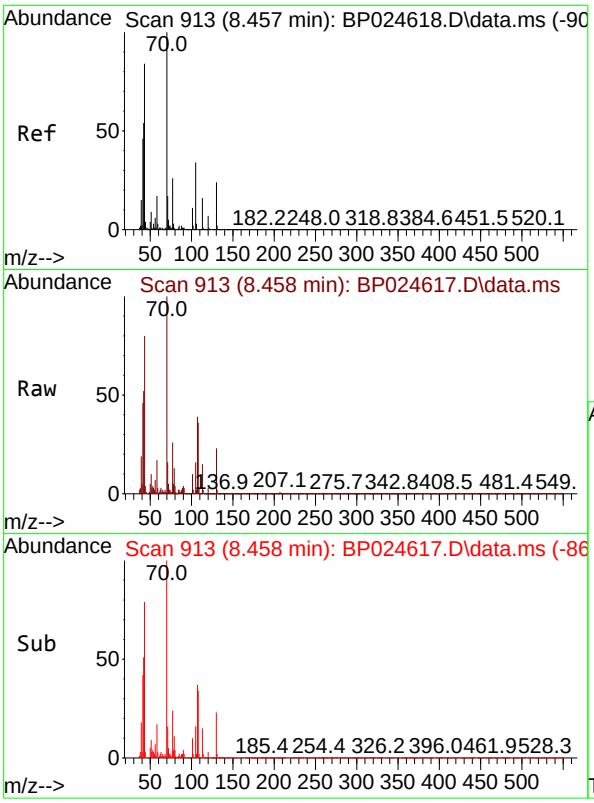


#18
Hexachloroethane
Concen: 19.764 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:117 Resp: 65527

Ion	Ratio	Lower	Upper
117	100		
119	102.4	79.4	119.0
201	100.8	82.7	124.1



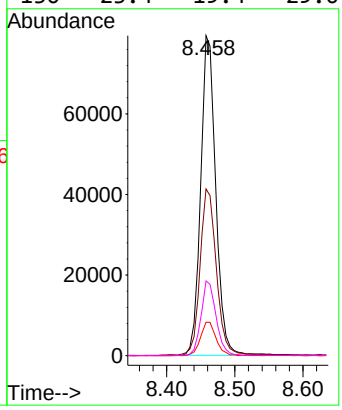


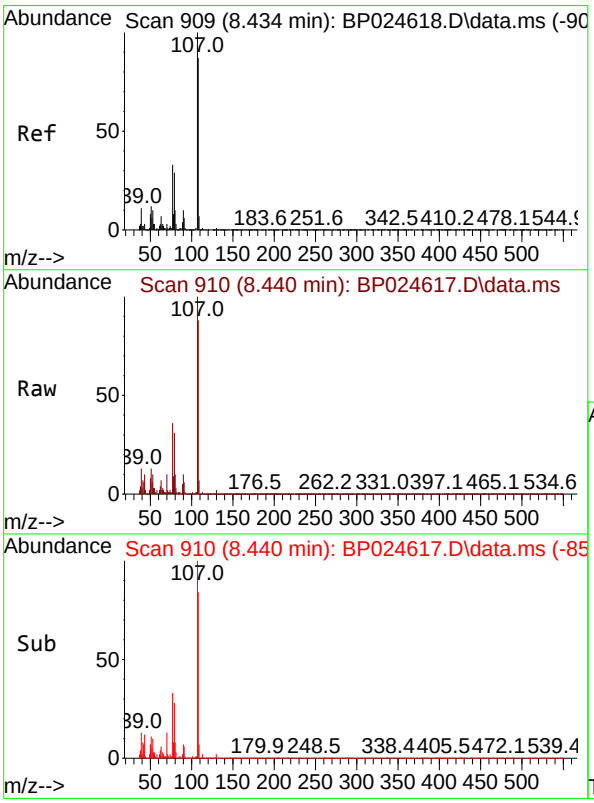
#19
n-Nitroso-di-n-propylamine
Concen: 21.048 ng
RT: 8.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 122386

Ion	Ratio	Lower	Upper
70	100		
42	52.1	43.0	64.6
101	10.5	8.7	13.1
130	23.4	19.4	29.0

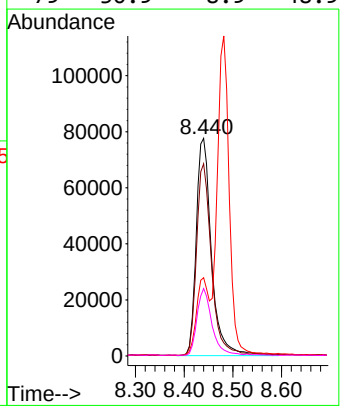


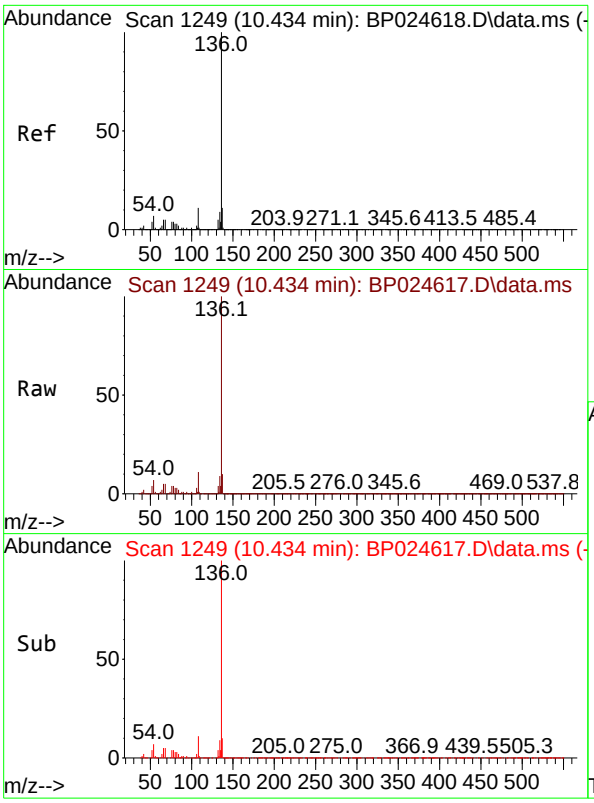


#20
3+4-Methylphenols
Concen: 19.997 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 169264

Ion	Ratio	Lower	Upper
107	100		
108	88.3	66.7	106.7
77	35.9	13.1	53.1
79	30.9	8.9	48.9



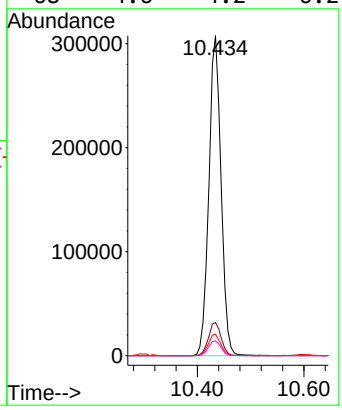


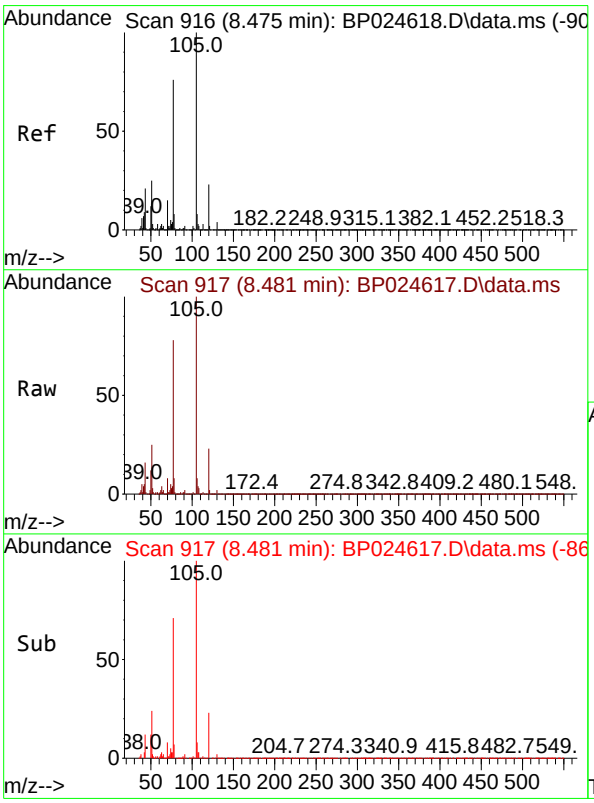
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 488721

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	6.7	5.5	8.3
68	4.6	4.2	6.2

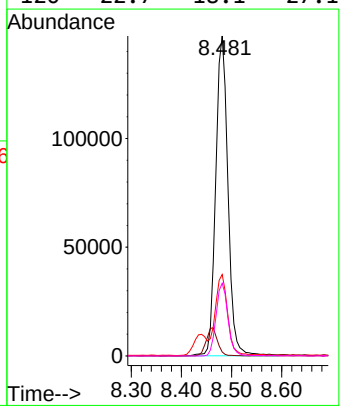


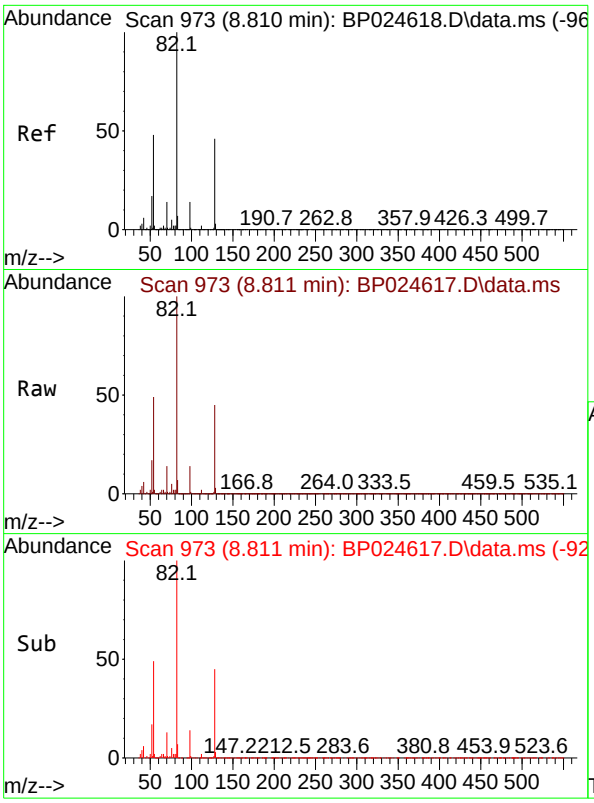


#22
Acetophenone
Concen: 20.453 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:105 Resp: 249692

Ion	Ratio	Lower	Upper
105	100		
71	1.2	2.0	3.0#
51	25.5	20.4	30.6
120	22.7	18.1	27.1



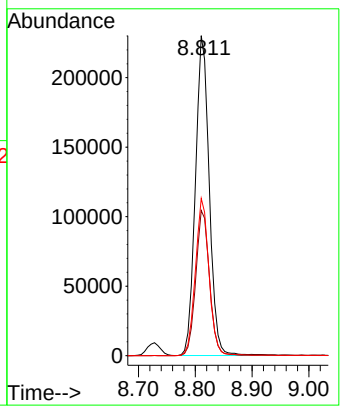


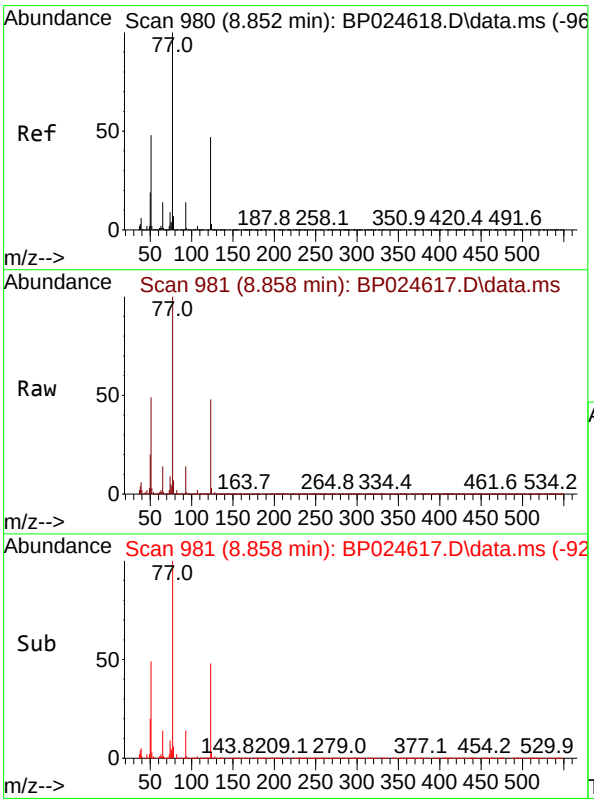
#23
Nitrobenzene-d5
Concen: 40.500 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 391739

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.0	55.4
54	49.1	38.7	58.1

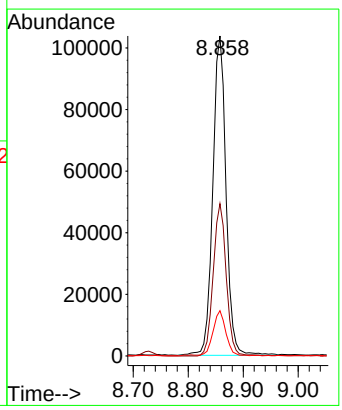


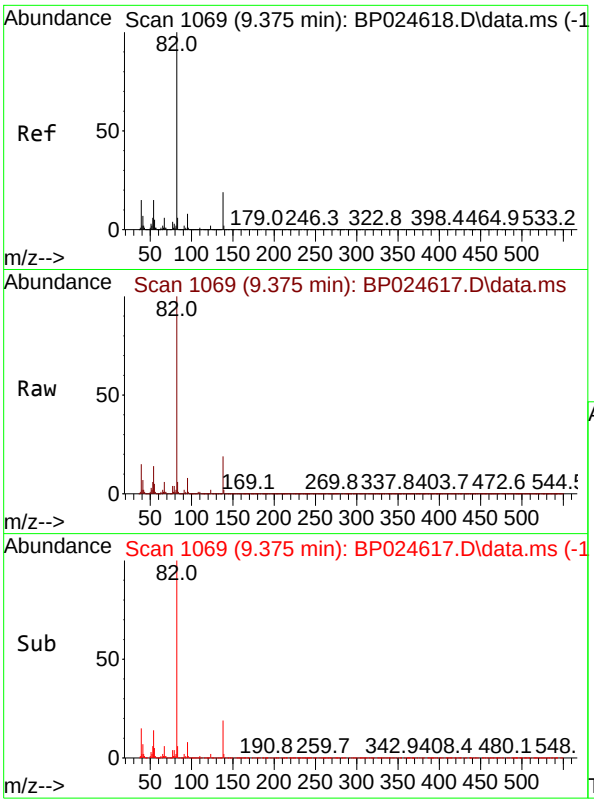


#24
Nitrobenzene
Concen: 20.405 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 173686

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.4	56.0
65	14.1	11.3	16.9



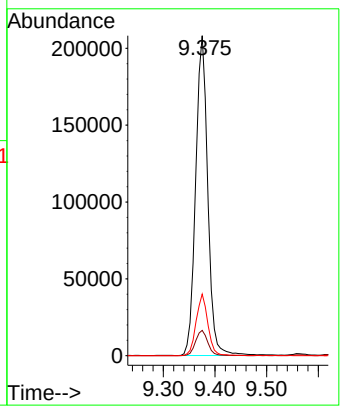


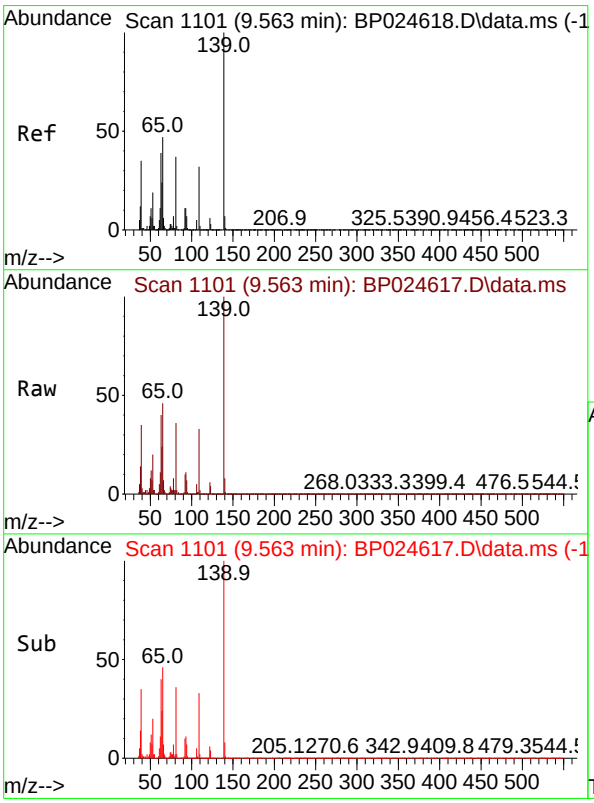
#25
Isophorone
Concen: 20.246 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 339697

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.3	15.3	22.9

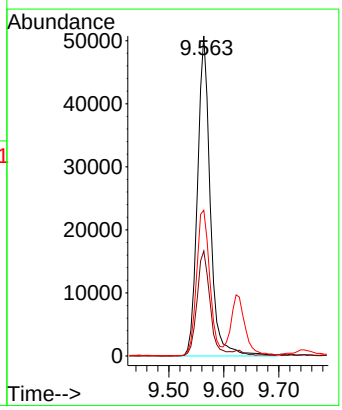


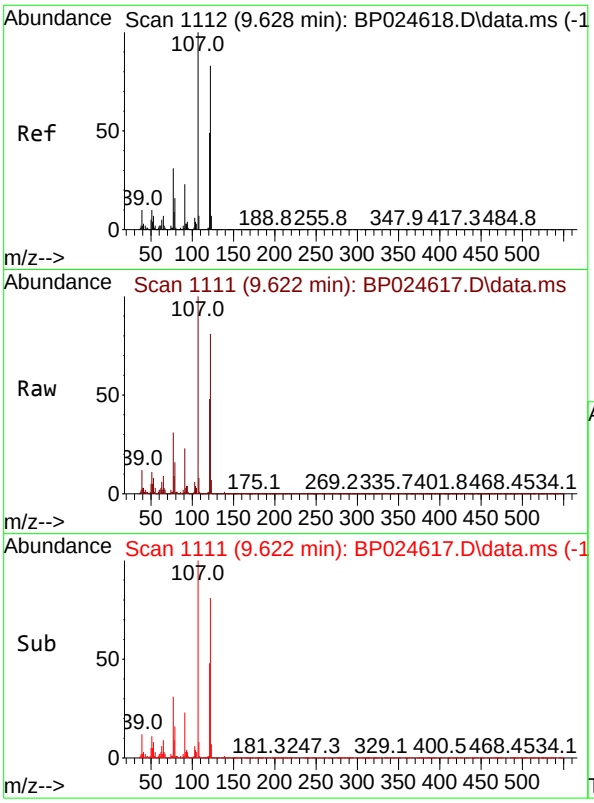


#26
2-Nitrophenol
Concen: 19.726 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 82278

Ion	Ratio	Lower	Upper
139	100		
109	32.8	25.9	38.9
65	45.6	37.9	56.9



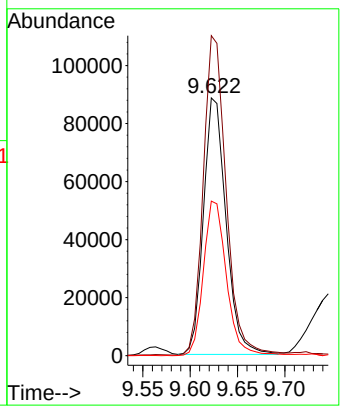


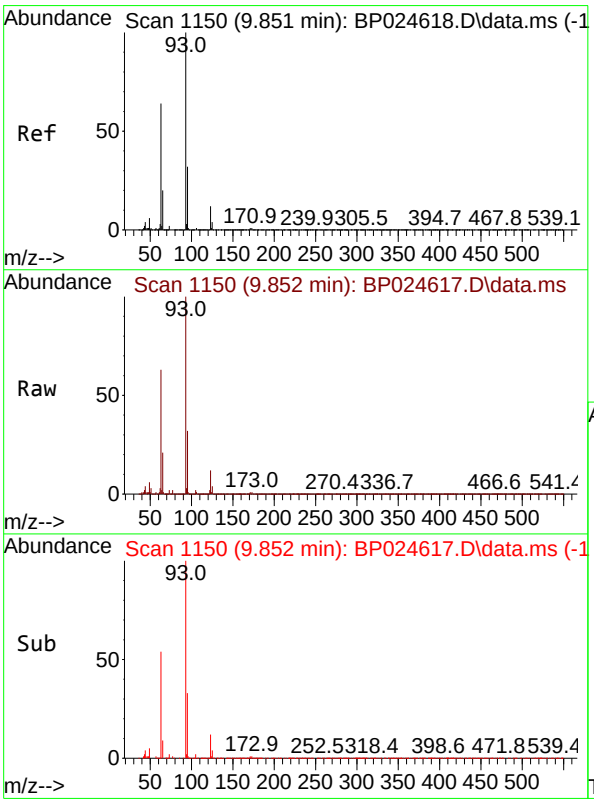
#27
2,4-Dimethylphenol
Concen: 19.965 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 146819

Ion	Ratio	Lower	Upper
122	100		
107	124.1	96.2	144.2
121	60.0	47.6	71.4

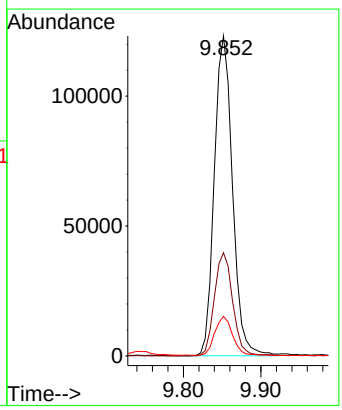


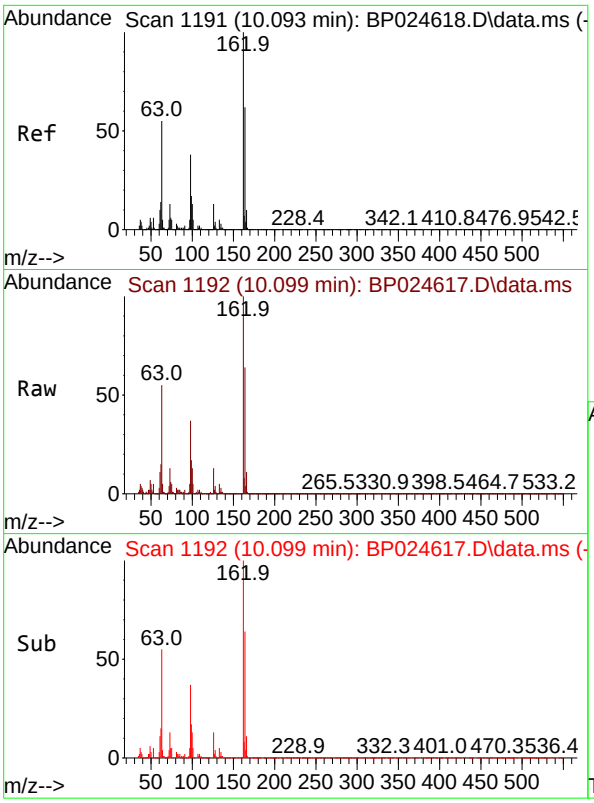


#28
bis(2-Chloroethoxy)methane
Concen: 20.039 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 200872

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.4	9.7	14.5



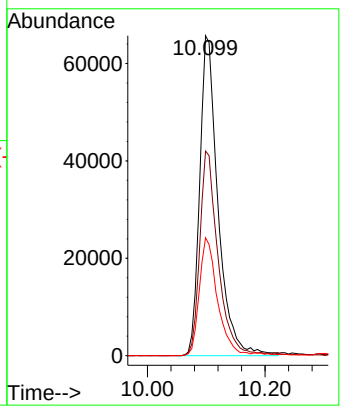


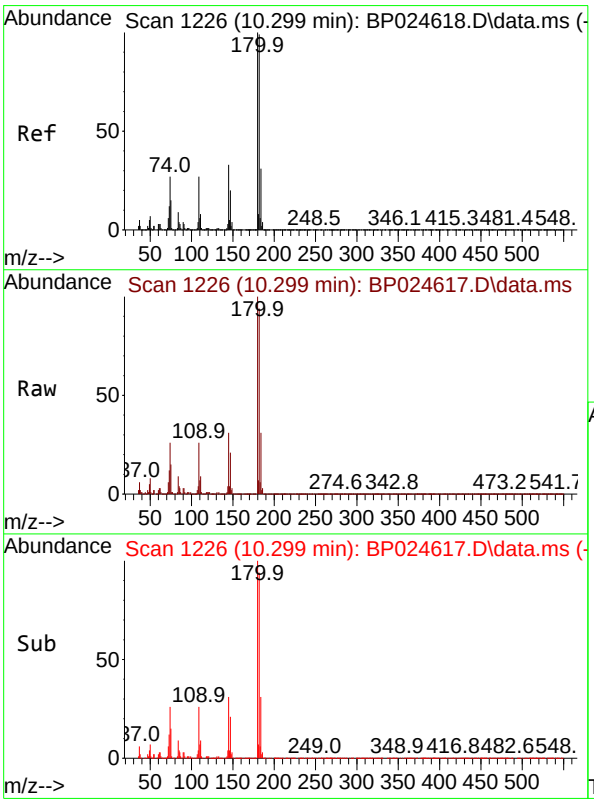
#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 141785

Ion	Ratio	Lower	Upper
162	100		
164	64.0	42.3	82.3
98	36.8	18.4	58.4

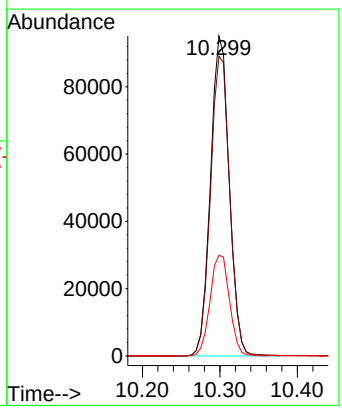


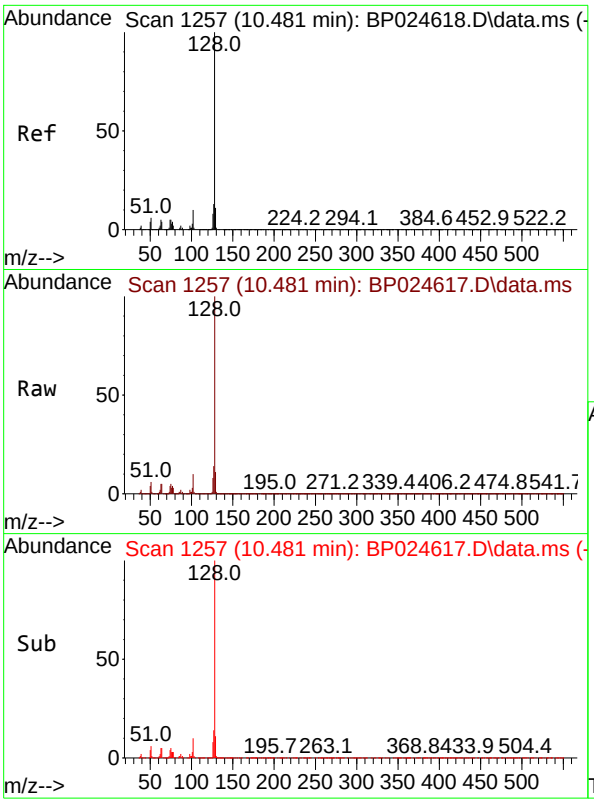


#30
1,2,4-Trichlorobenzene
Concen: 19.924 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:180 Resp: 159998

Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.0	118.4
145	31.5	26.6	39.8



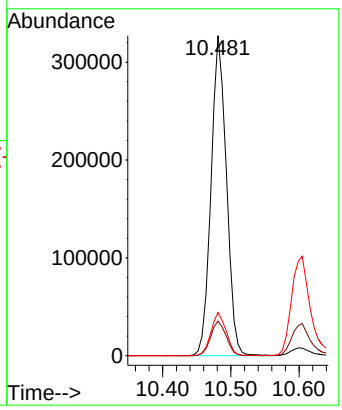


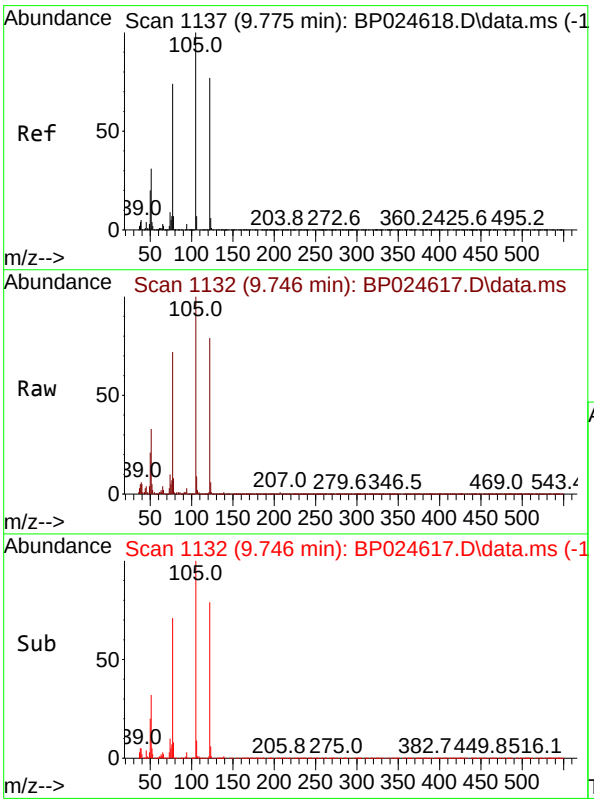
#31
Naphthalene
Concen: 20.251 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 512888

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.7	16.1

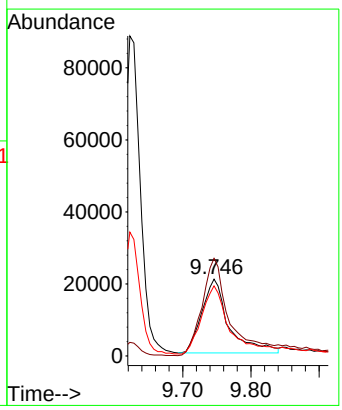


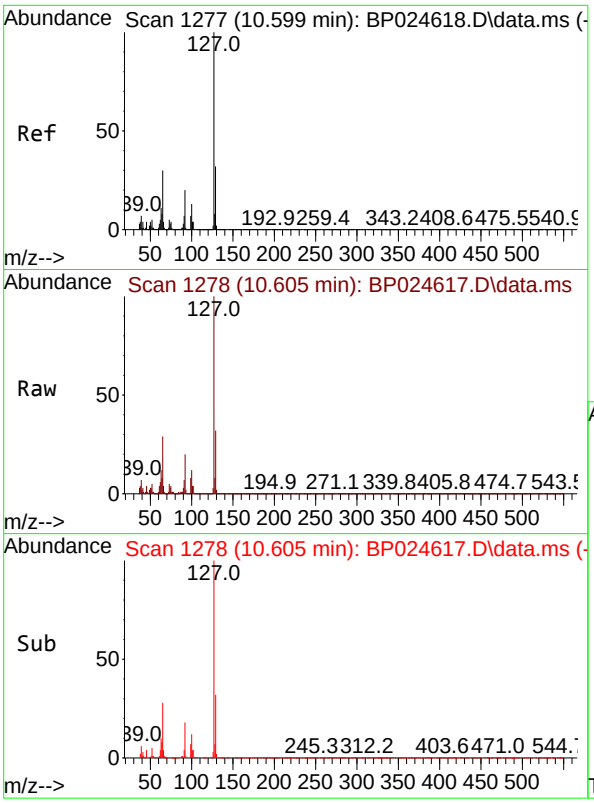


#32
Benzoic acid
Concen: 16.180 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 56285

Ion	Ratio	Lower	Upper
122	100		
105	127.1	106.9	146.9
77	91.3	75.1	115.1



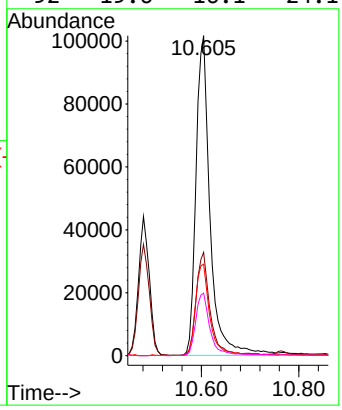


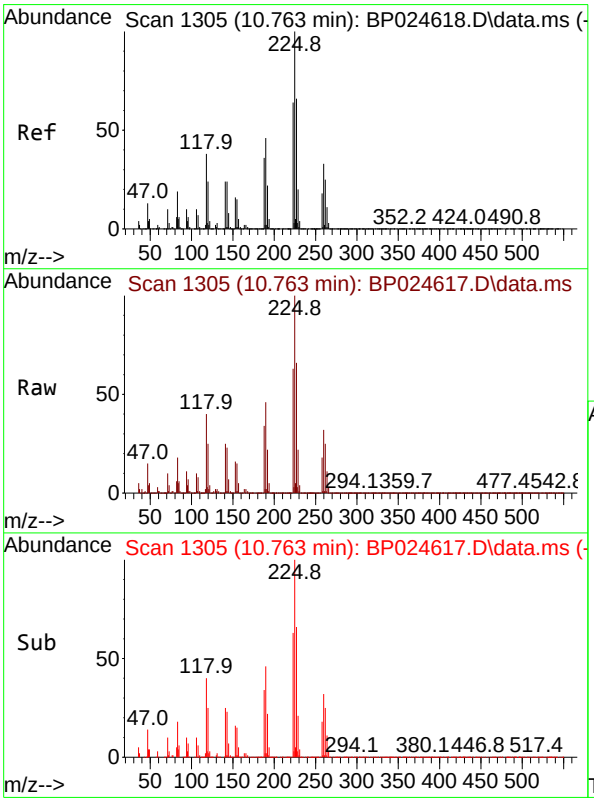
#33
4-Chloroaniline
Concen: 20.102 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 205433

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	28.6	23.9	35.9
92	19.6	16.1	24.1

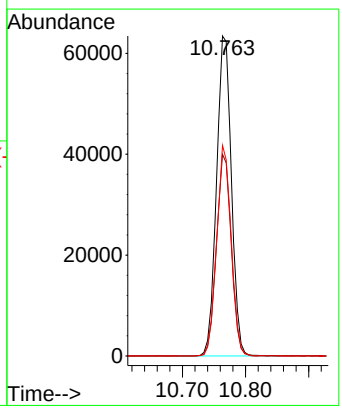


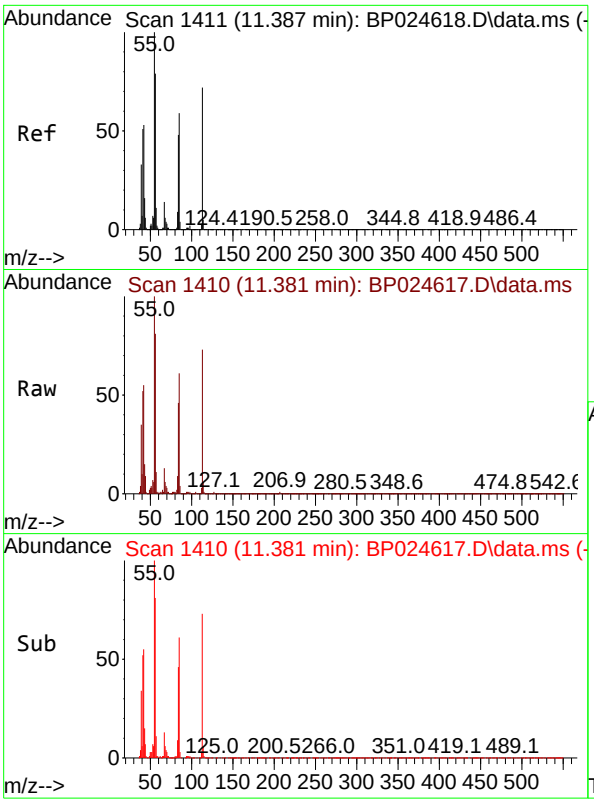


#34
Hexachlorobutadiene
Concen: 19.869 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:225 Resp: 103364

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	65.8	53.1	79.7



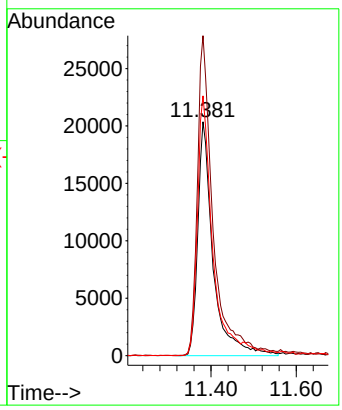


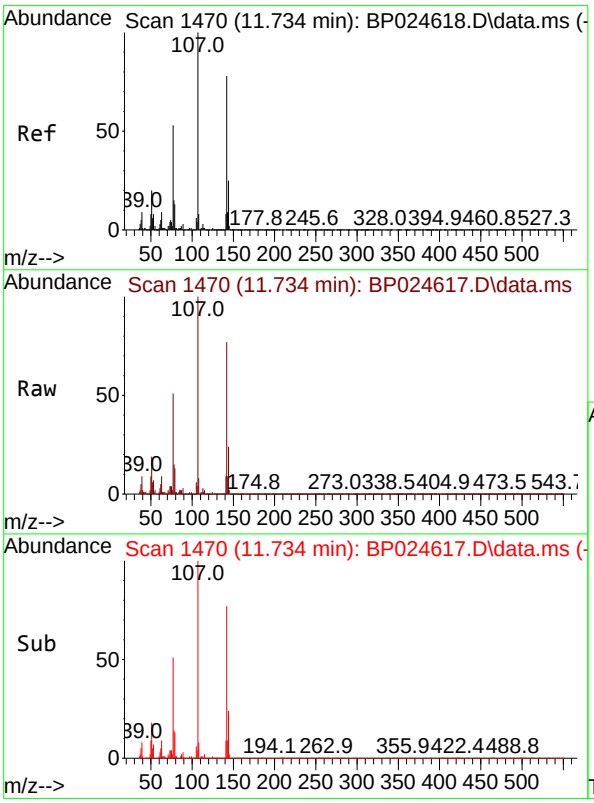
#35
Caprolactam
Concen: 19.683 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 50721

Ion	Ratio	Lower	Upper
113	100		
55	136.8	119.0	159.0
56	111.1	90.3	130.3

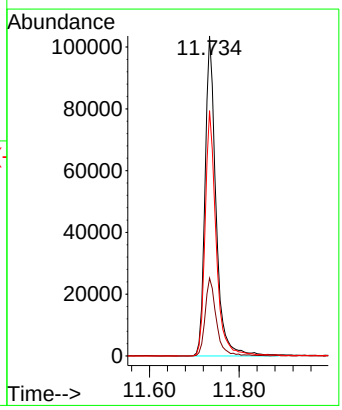


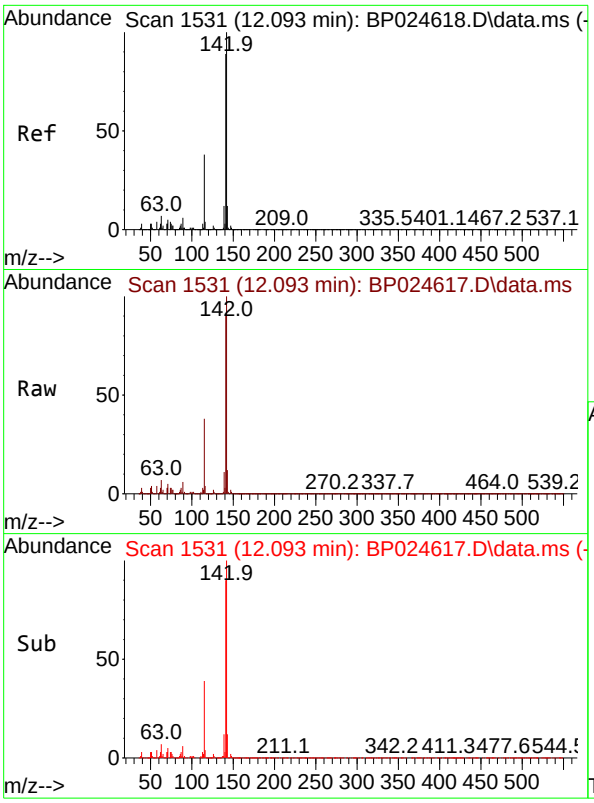


#36
4-Chloro-3-methylphenol
Concen: 20.118 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 174840

Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.1	30.1
142	76.6	62.1	93.1



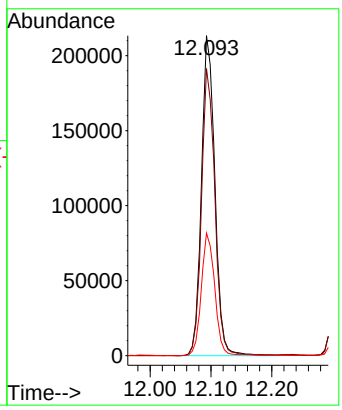


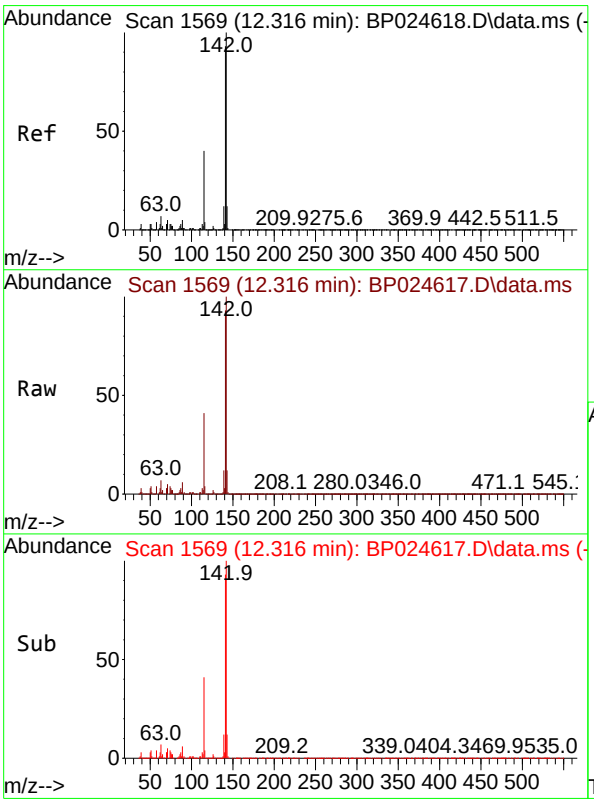
#37
2-Methylnaphthalene
Concen: 19.968 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 327447

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.2	106.8
115	38.3	30.6	46.0

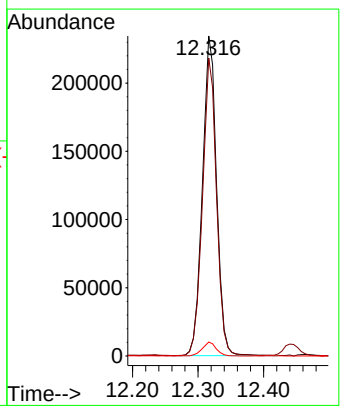


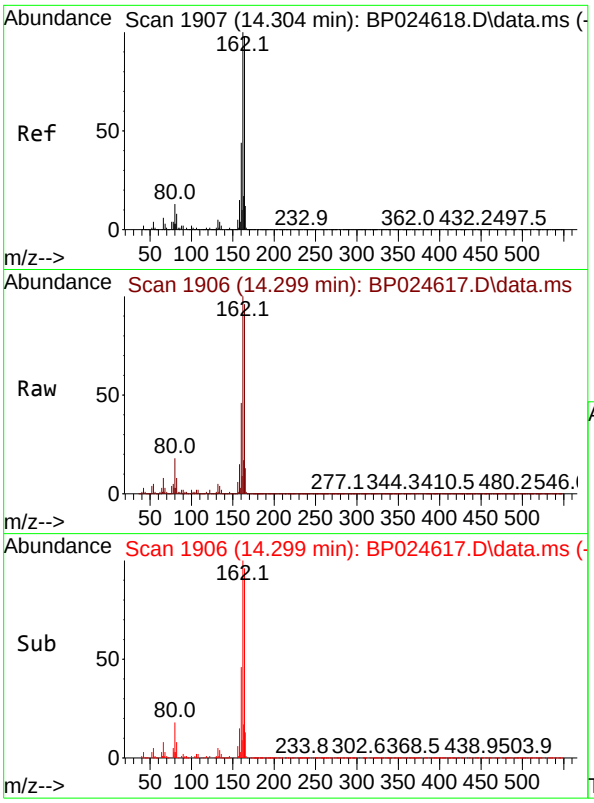


#38
1-Methylnaphthalene
Concen: 20.066 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 352091

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.4	3.4	5.2



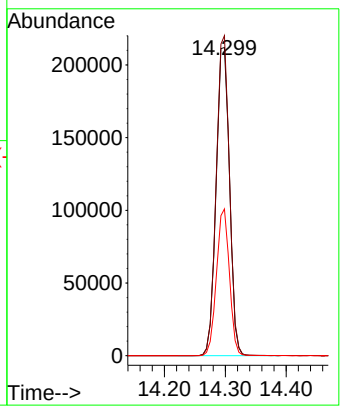


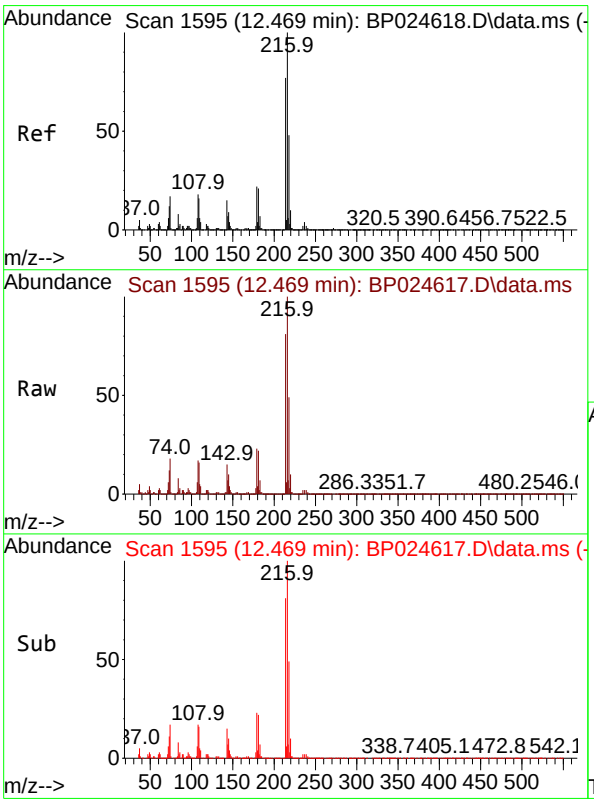
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 323928

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	47.6	36.3	54.5

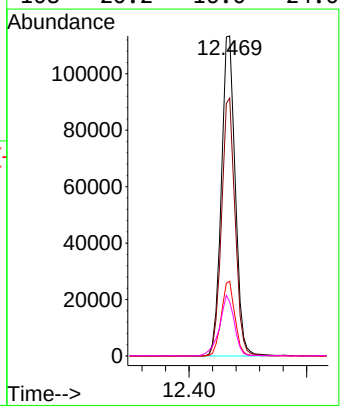


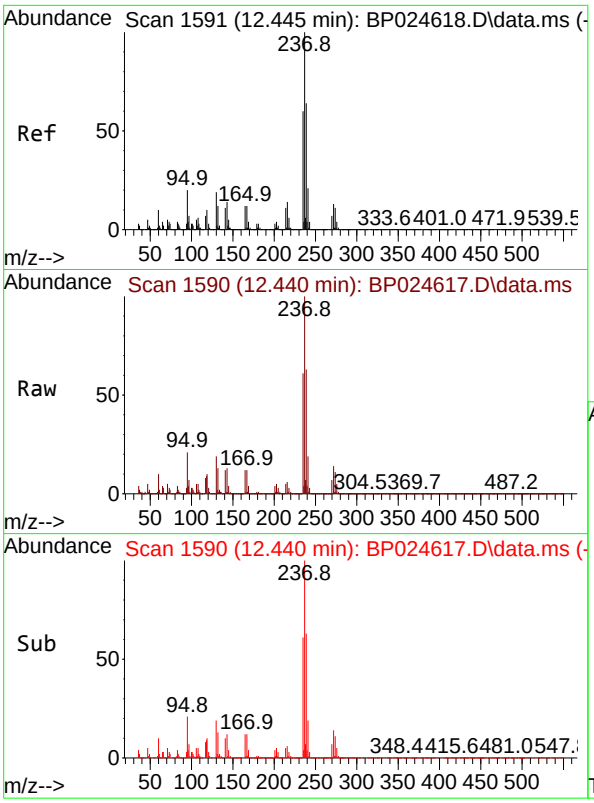


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.772 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:216 Resp: 185982

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	22.9	17.7	26.5
108	20.2	16.0	24.0



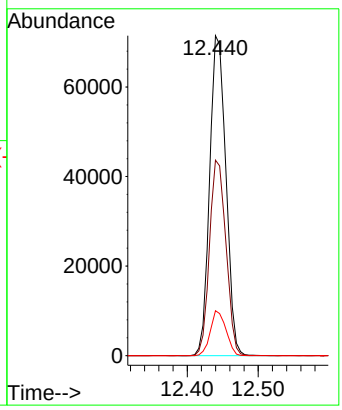


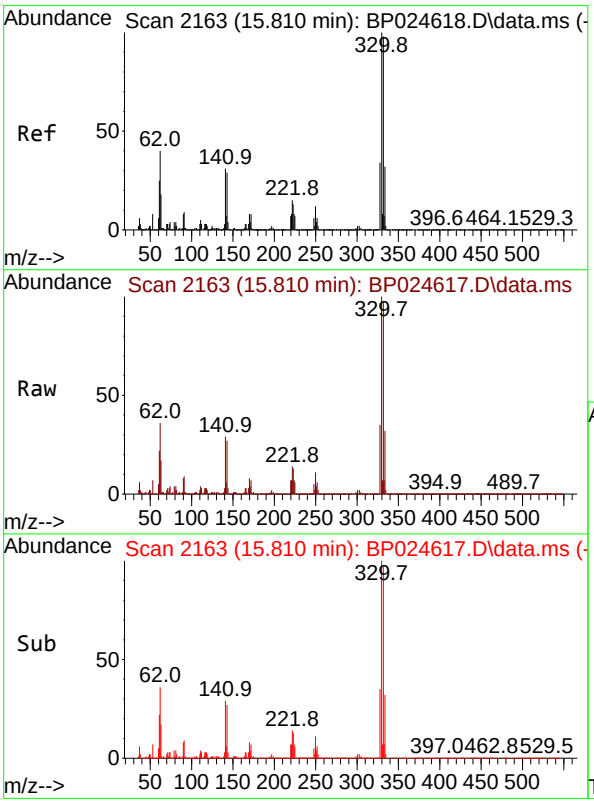
#41
Hexachlorocyclopentadiene
Concen: 19.899 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 113499

Ion	Ratio	Lower	Upper
237	100		
235	61.1	39.9	79.9
272	14.0	0.0	33.2

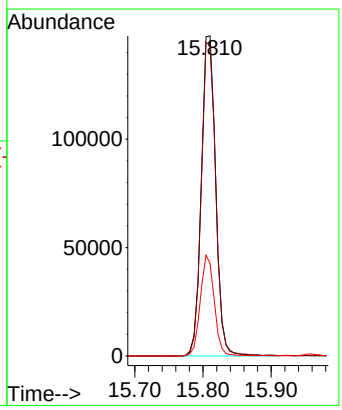


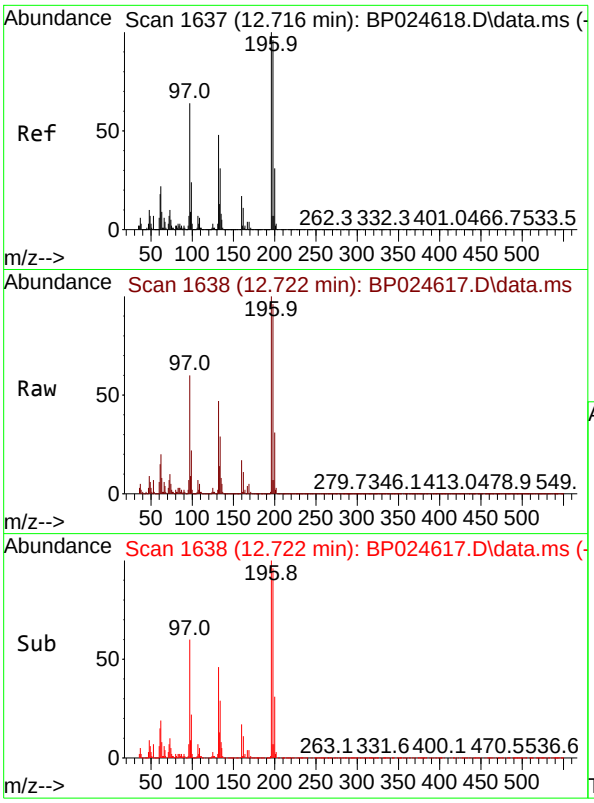


#42
2,4,6-Tribromophenol
Concen: 39.532 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:330 Resp: 217092

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.5	24.3	36.5



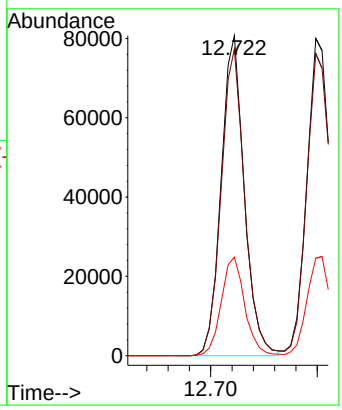


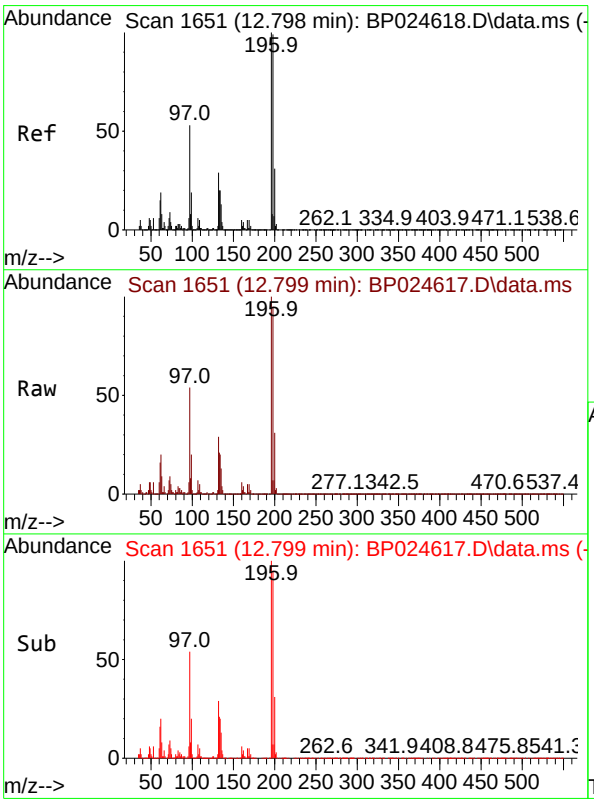
#43
2,4,6-Trichlorophenol
Concen: 19.945 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 121520

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.9	115.3
200	30.8	25.2	37.8

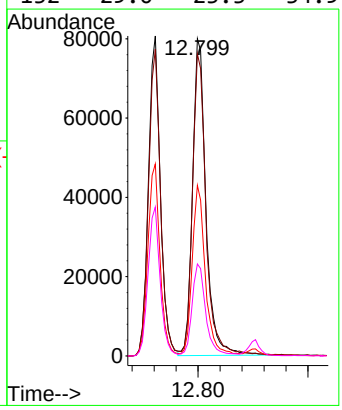


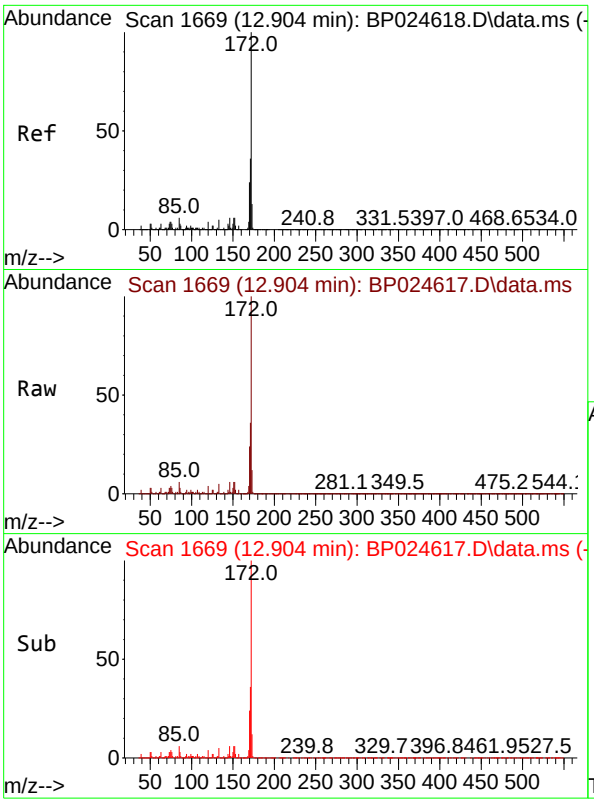


#44
2,4,5-Trichlorophenol
Concen: 19.951 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 135306

Ion	Ratio	Lower	Upper
196	100		
198	95.2	79.2	118.8
97	53.8	42.3	63.5
132	29.0	23.3	34.9



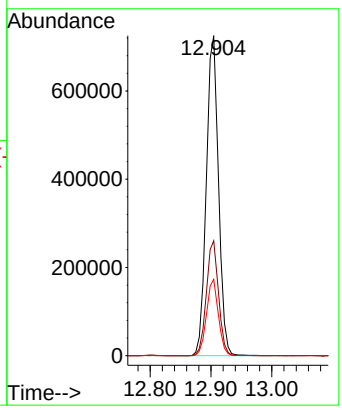


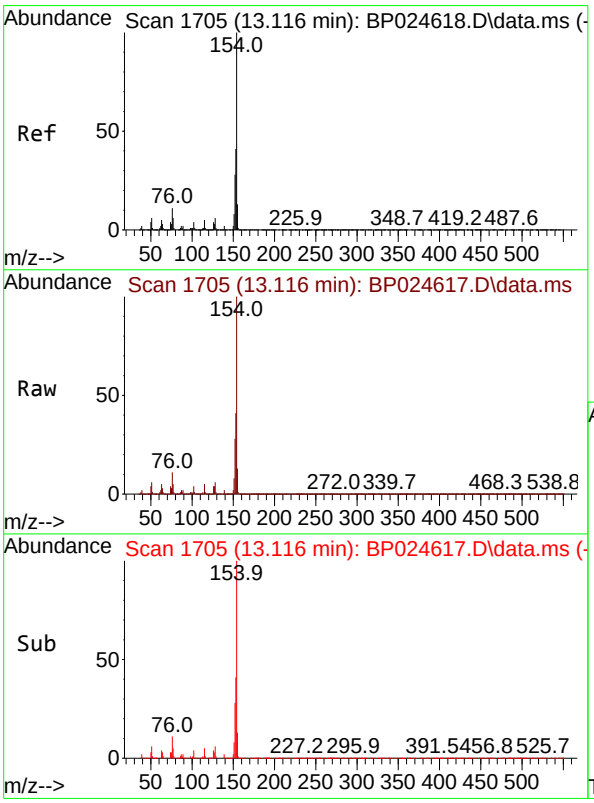
#45
2-Fluorobiphenyl
Concen: 40.694 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1006150

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.8	18.8	28.2

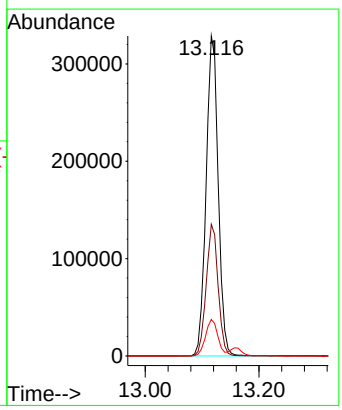


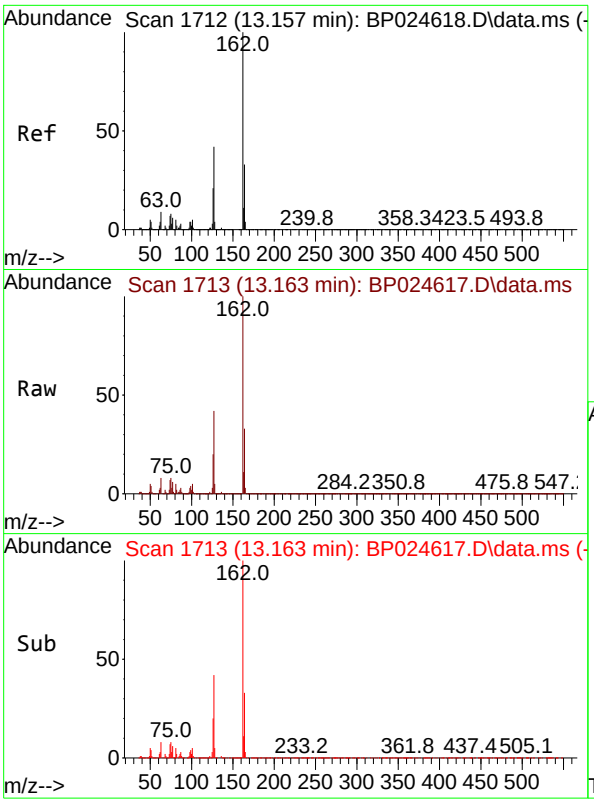


#46
1,1'-Biphenyl
Concen: 20.189 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 483352

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	11.4	0.0	31.5



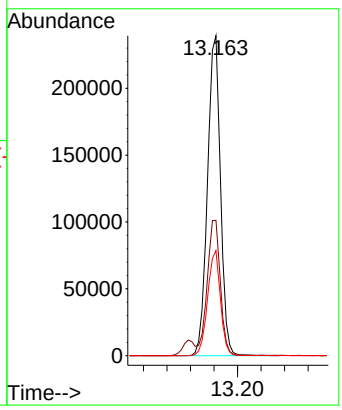


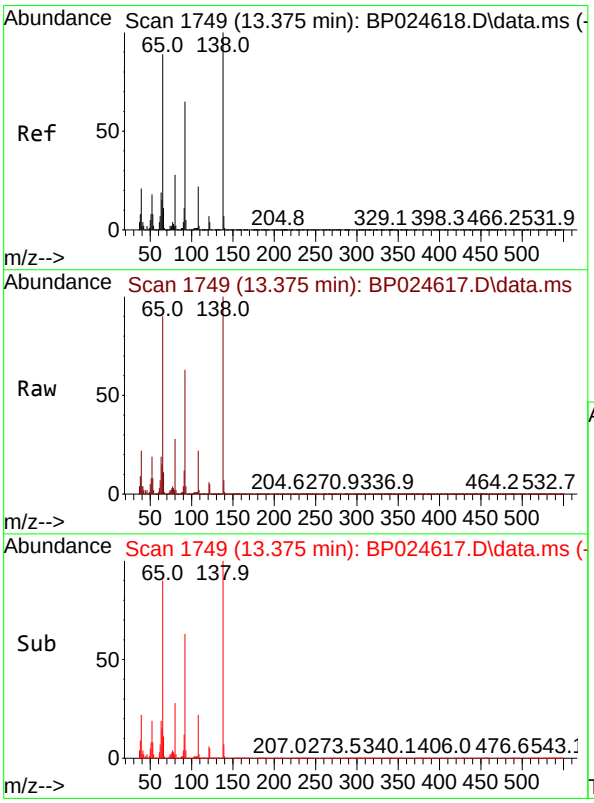
#47
2-Chloronaphthalene
Concen: 20.063 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 366247

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.8	50.6
164	32.8	26.0	39.0

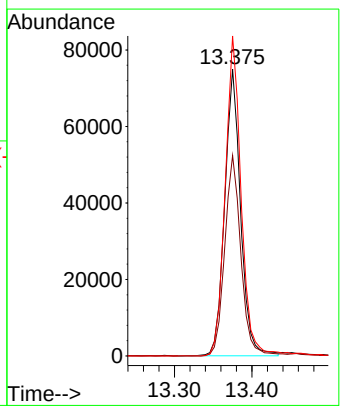


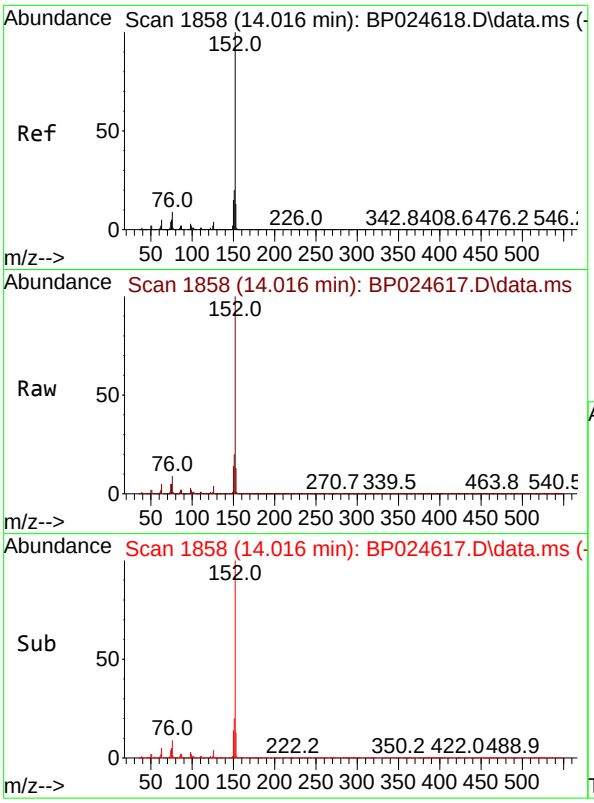


#48
2-Nitroaniline
Concen: 19.809 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 65 Resp: 107062

Ion	Ratio	Lower	Upper
65	100		
92	69.8	58.7	88.1
138	111.5	90.2	135.2



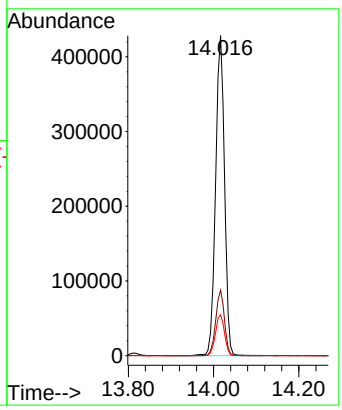


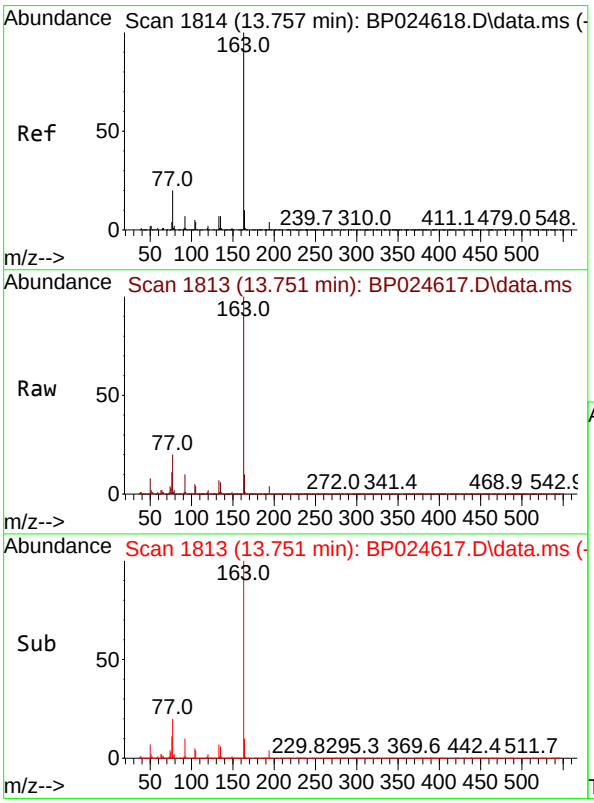
#49
Acenaphthylene
Concen: 20.360 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 621997

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	12.8	10.2	15.4

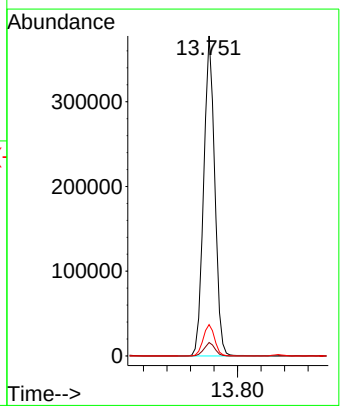


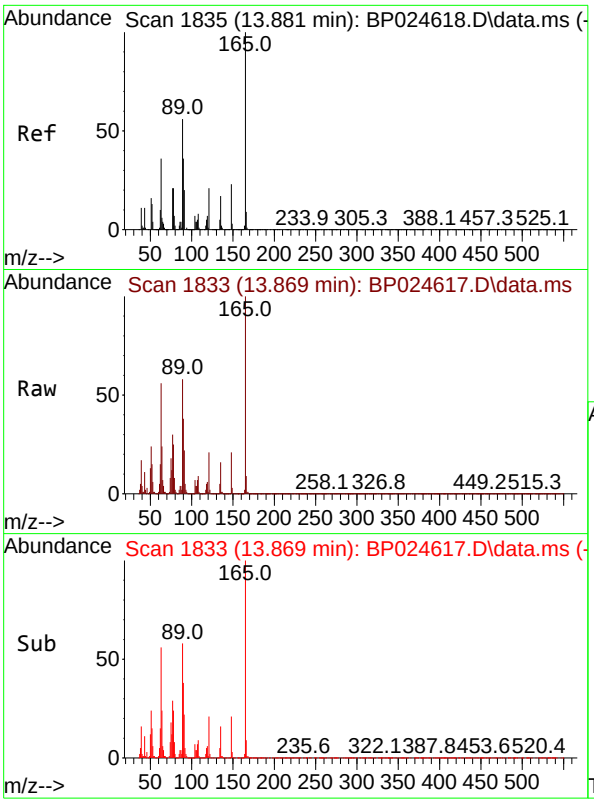


#50
Dimethylphthalate
Concen: 19.912 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:163 Resp: 491623

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.8	8.1	12.1



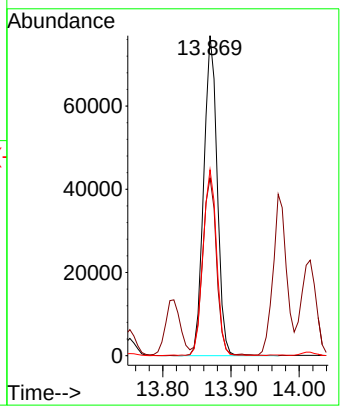


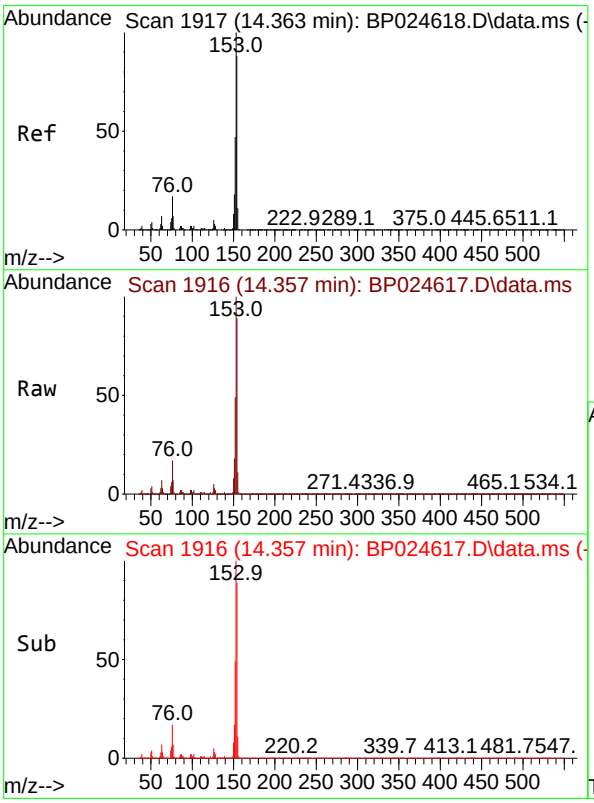
#51
2,6-Dinitrotoluene
Concen: 20.228 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 105479

Ion	Ratio	Lower	Upper
165	100		
63	55.6	42.4	63.6
89	58.1	44.8	67.2

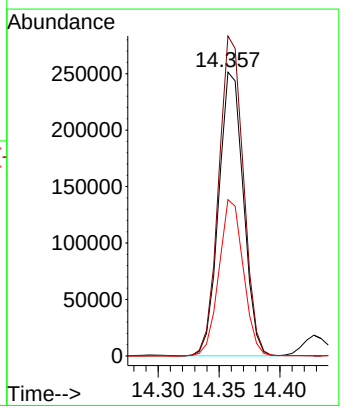


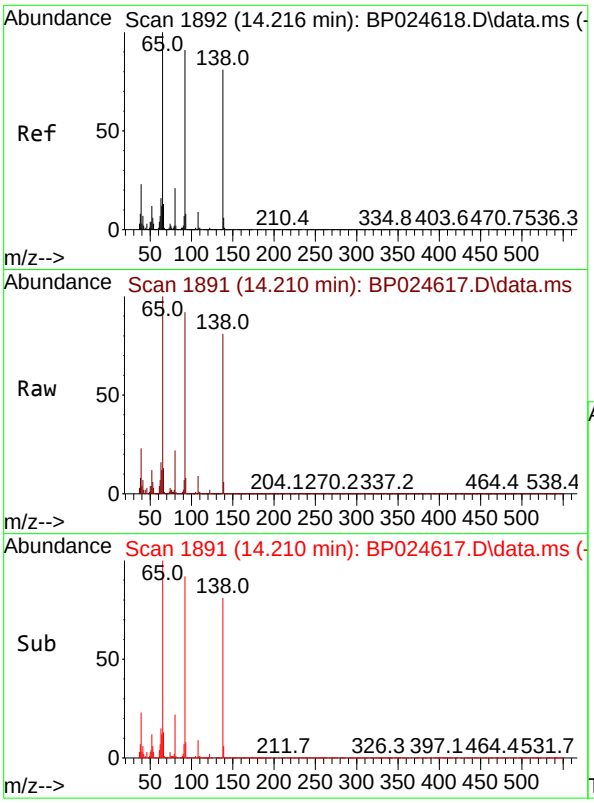


#52
Acenaphthene
Concen: 20.186 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 354519

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.0	136.4
152	55.1	42.9	64.3



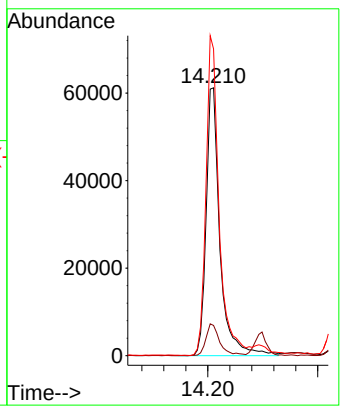


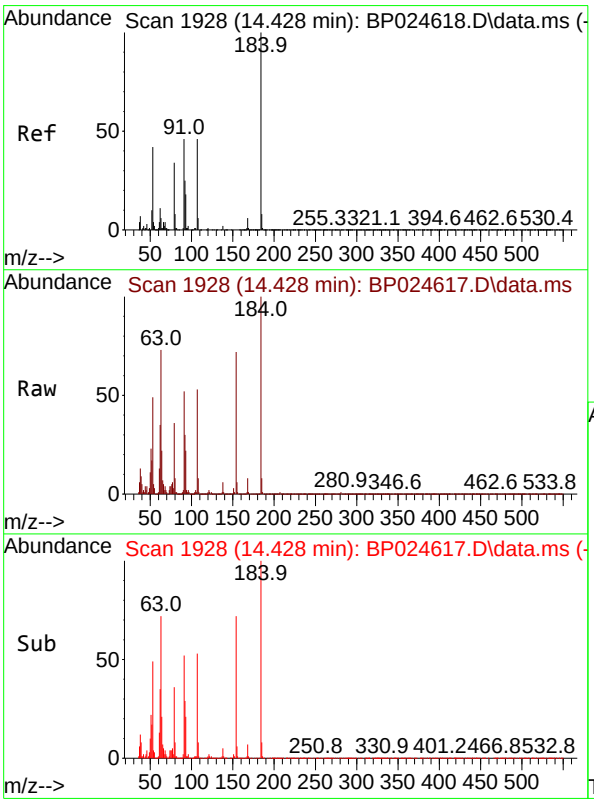
#53
3-Nitroaniline
Concen: 20.008 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 106527

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	114.5	90.1	135.1

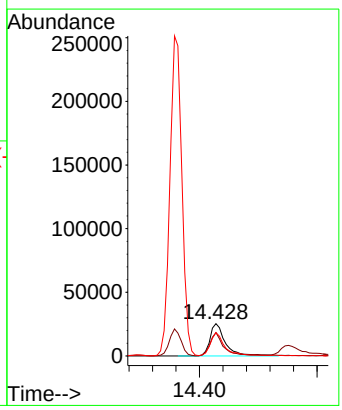


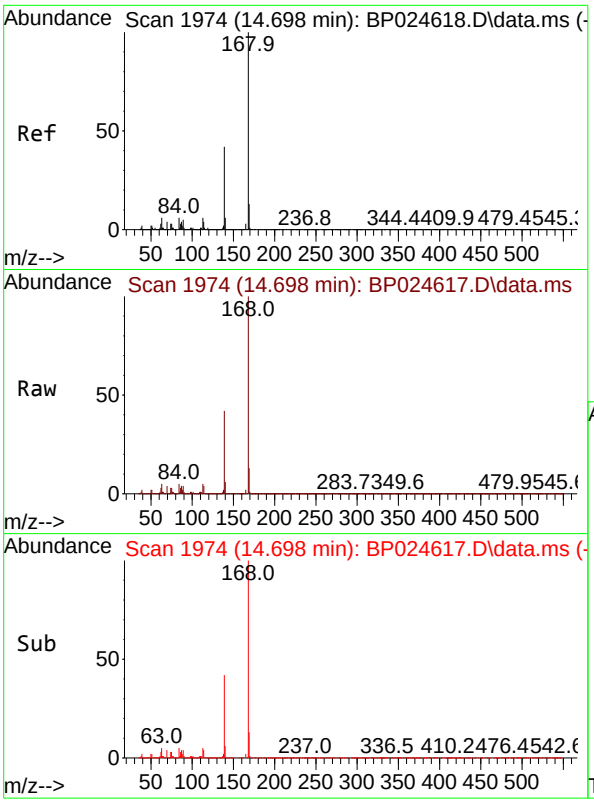


#54
2,4-Dinitrophenol
Concen: 19.370 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 46351

Ion	Ratio	Lower	Upper
184	100		
63	72.5	51.3	76.9
154	72.4	53.5	80.3



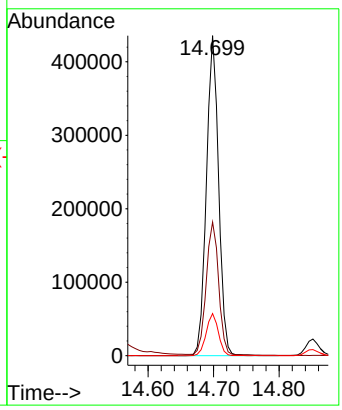


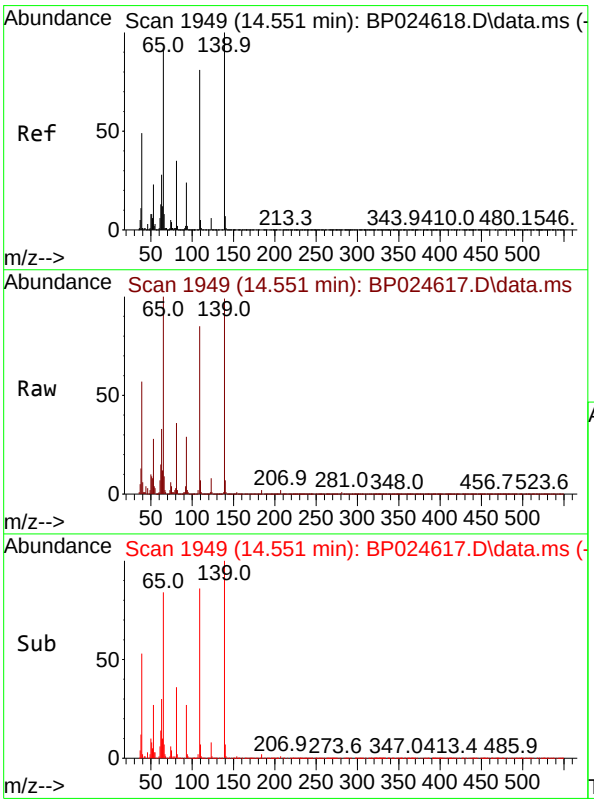
#55
Dibenzofuran
Concen: 20.123 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 563719

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	13.1	10.8	16.2

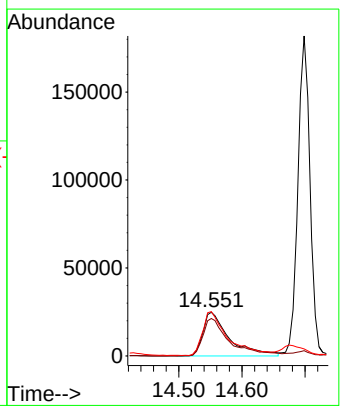


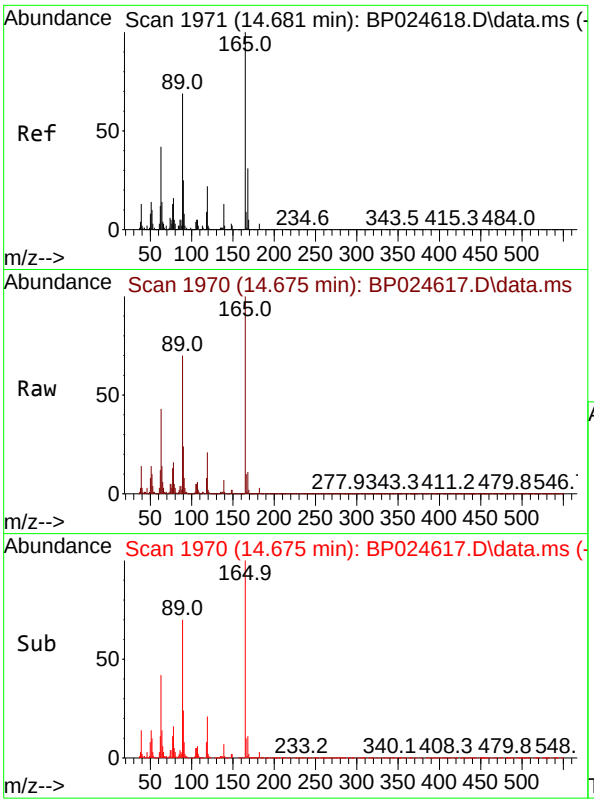


#56
4-Nitrophenol
Concen: 19.022 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 71975

Ion	Ratio	Lower	Upper
139	100		
109	85.7	61.4	101.4
65	101.4	72.2	112.2



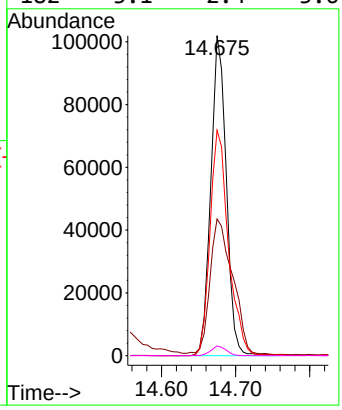


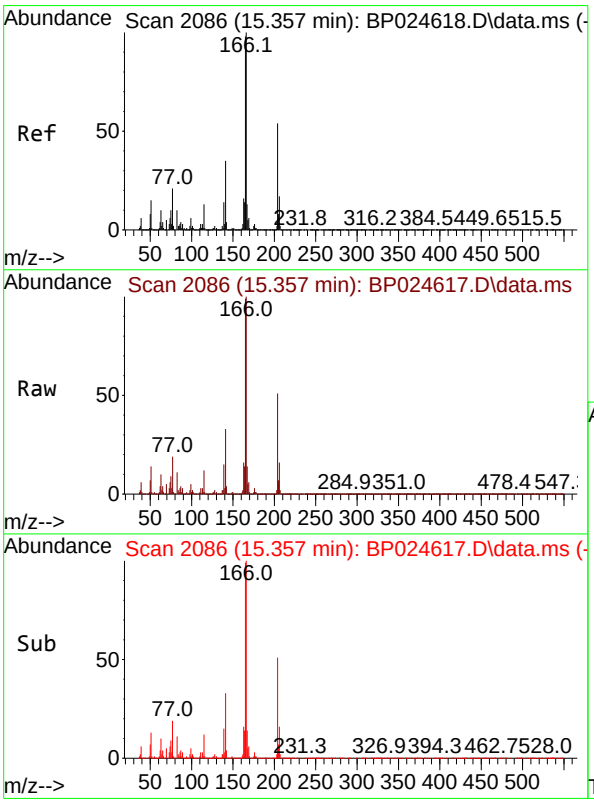
#57
2,4-Dinitrotoluene
Concen: 20.088 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 147676

Ion	Ratio	Lower	Upper
165	100		
63	42.7	33.8	50.6
89	70.4	55.6	83.4
182	3.1	2.4	3.6

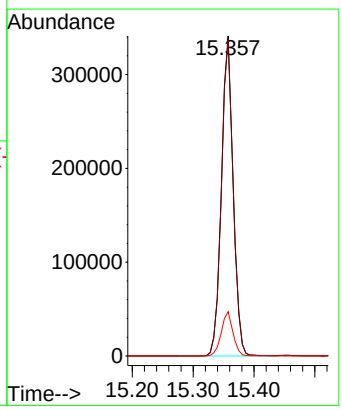


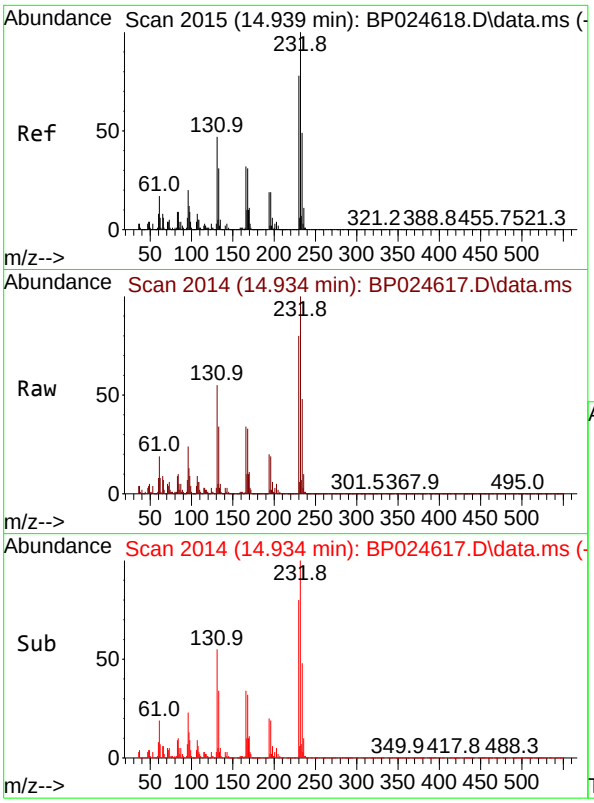


#58
Fluorene
Concen: 19.998 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:166 Resp: 456792

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.5	117.7
167	13.8	10.7	16.1



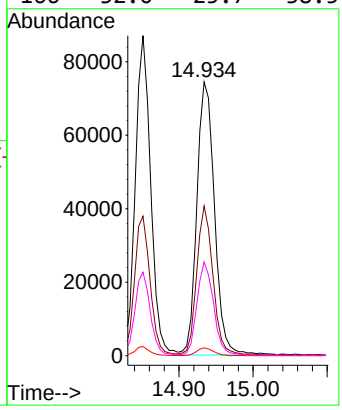


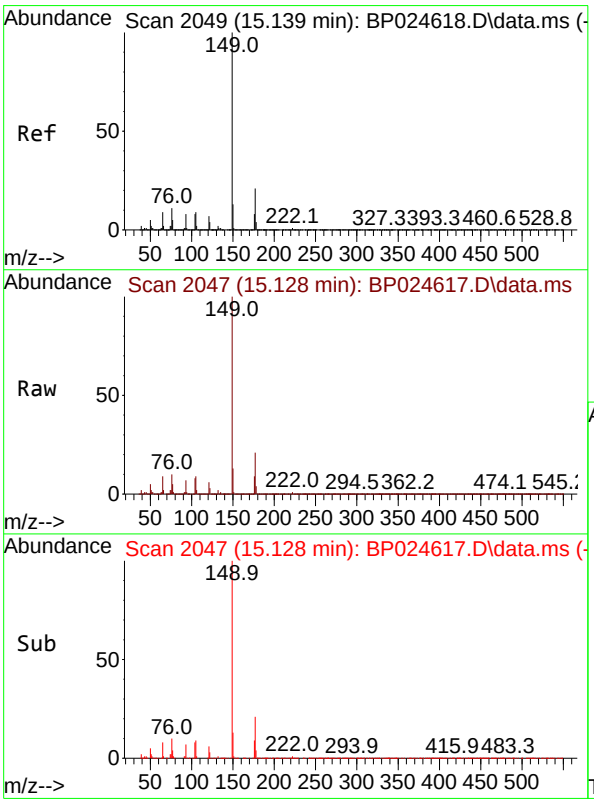
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.593 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 123265

Ion	Ratio	Lower	Upper
232	100		
131	50.2	39.5	59.3
130	2.7	2.2	3.4
166	32.0	25.7	38.5

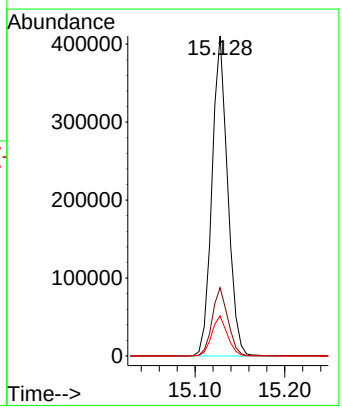


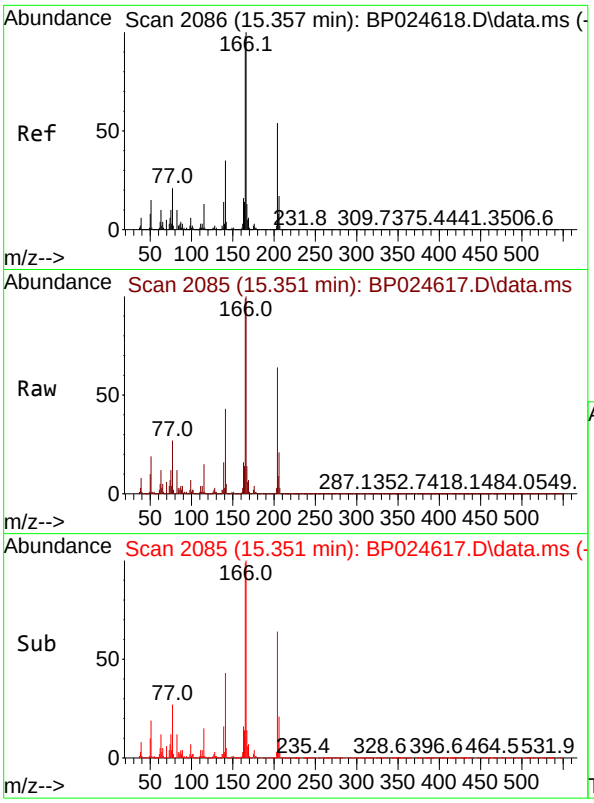


#60
Diethylphthalate
Concen: 19.953 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 497916

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.7	25.1
150	12.5	10.2	15.2



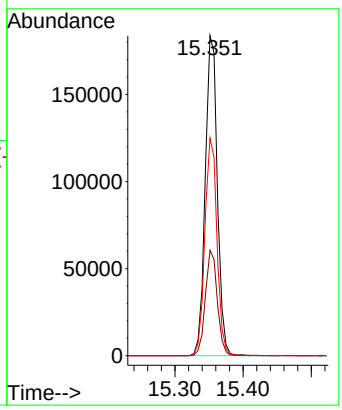


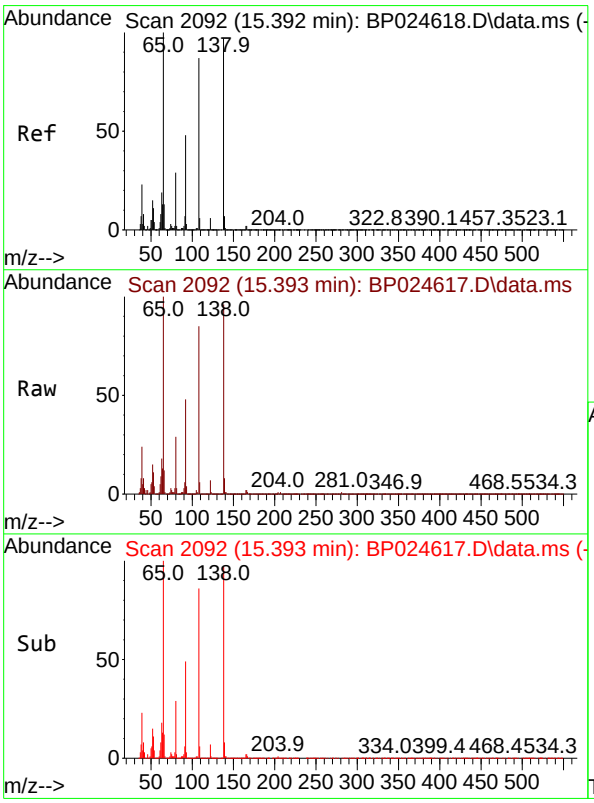
#61
4-Chlorophenyl-phenylether
Concen: 19.909 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 226790

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	68.0	52.9	79.3

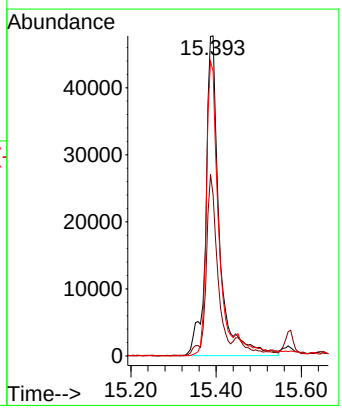


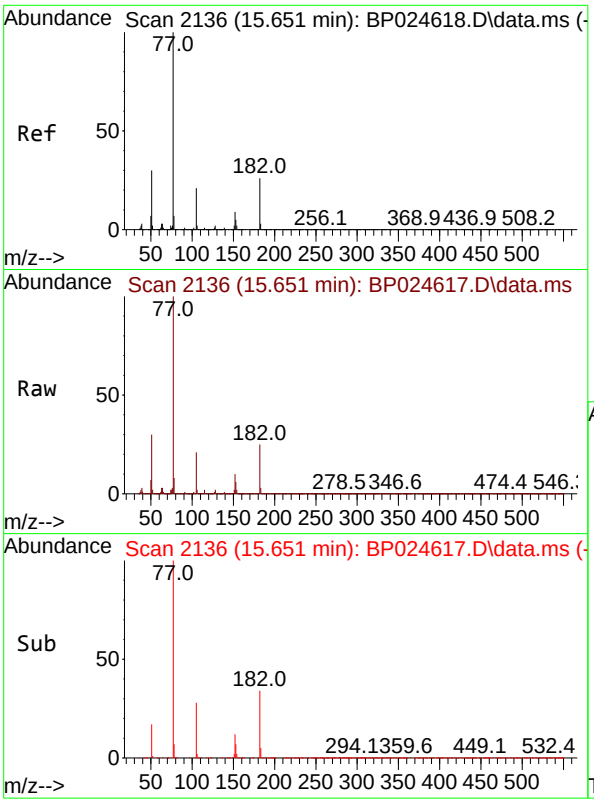


#62
4-Nitroaniline
Concen: 20.374 ng
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 105617

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.2	69.2
108	89.0	69.0	109.0



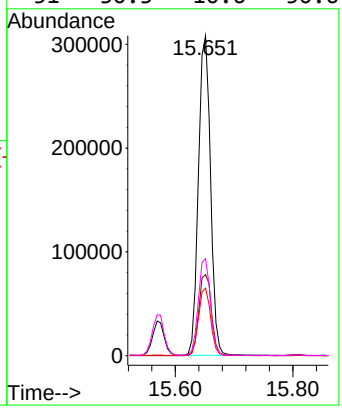


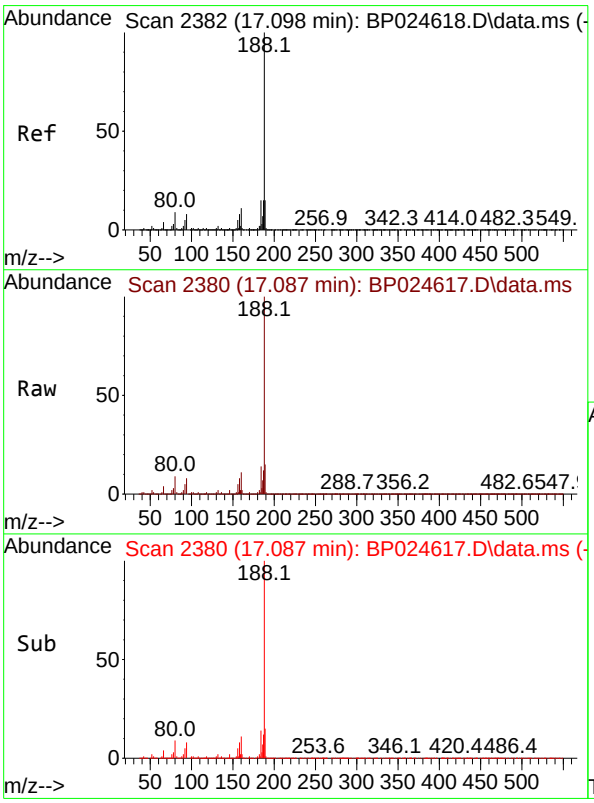
#63
Azobenzene
Concen: 20.573 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 439183

Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.7	45.7
105	21.1	1.3	41.3
51	30.3	10.6	50.6

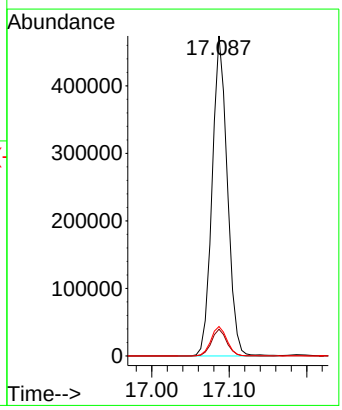


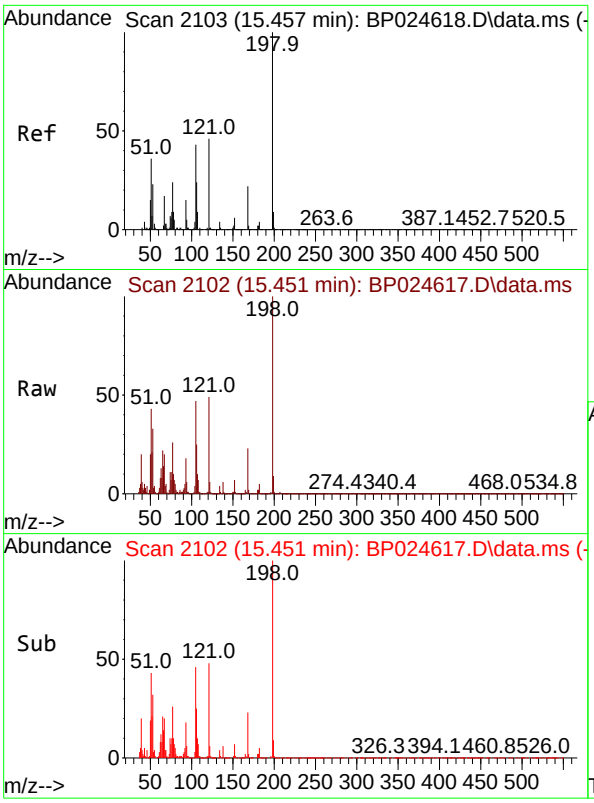


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:188 Resp: 644367

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.5	9.7
80	9.2	7.3	10.9



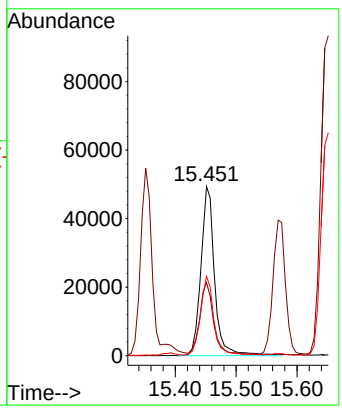


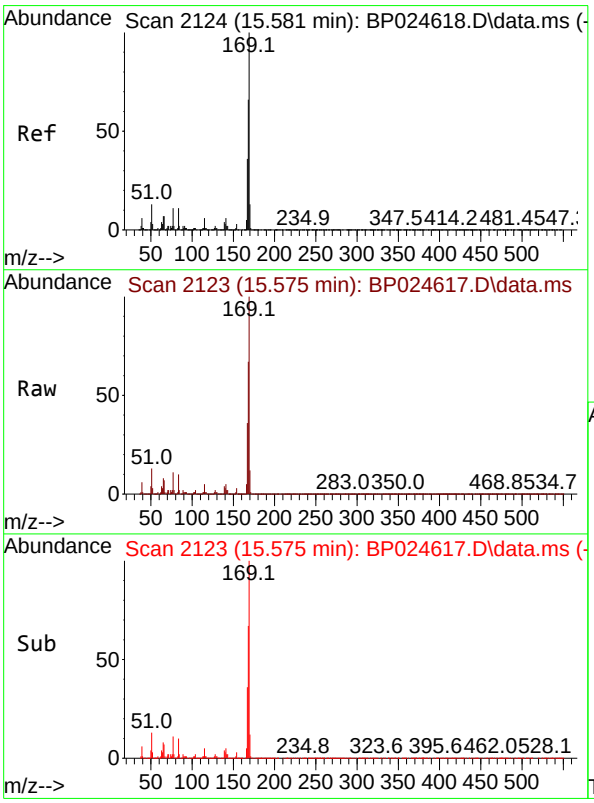
#65
4,6-Dinitro-2-methylphenol
Concen: 18.531 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 77131

Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	46.8	23.6	63.6

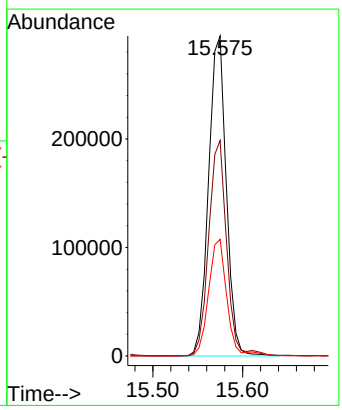


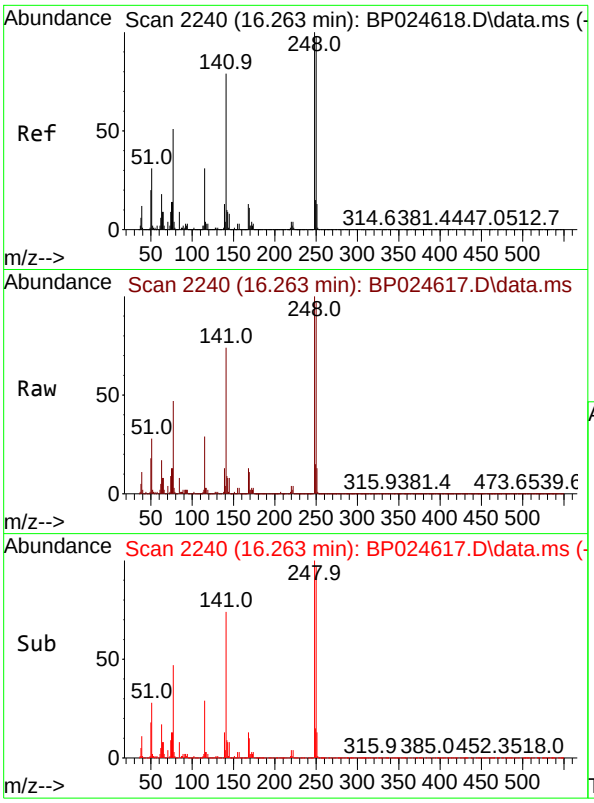


#66
n-Nitrosodiphenylamine
Concen: 20.416 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:169 Resp: 404085

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.2	79.8
167	36.5	28.6	43.0



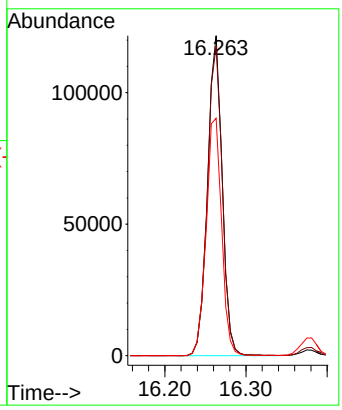


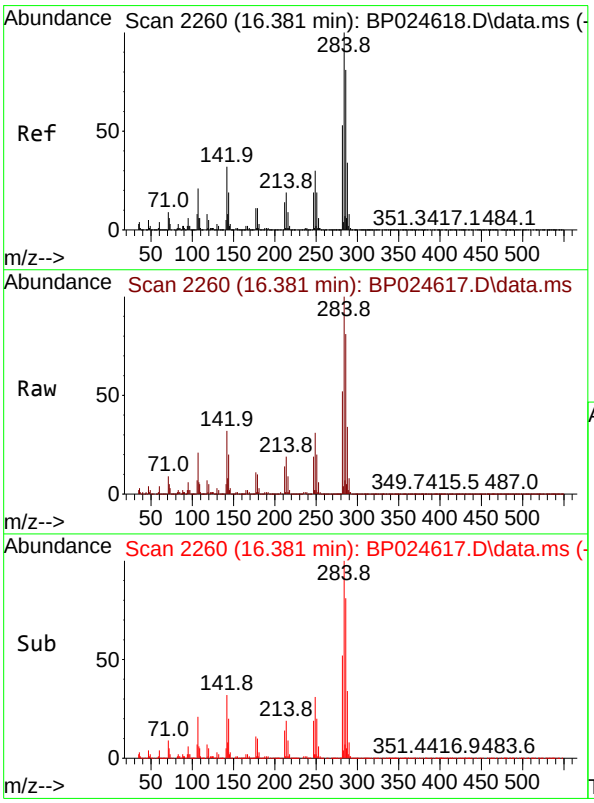
#67
4-Bromophenyl-phenylether
Concen: 20.071 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 152393

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	74.2	63.0	94.6

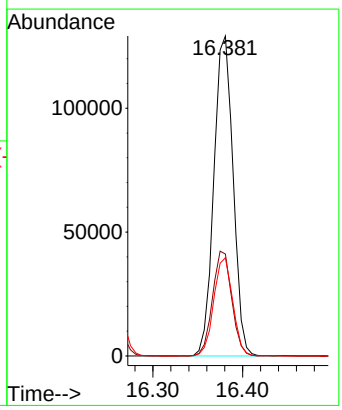


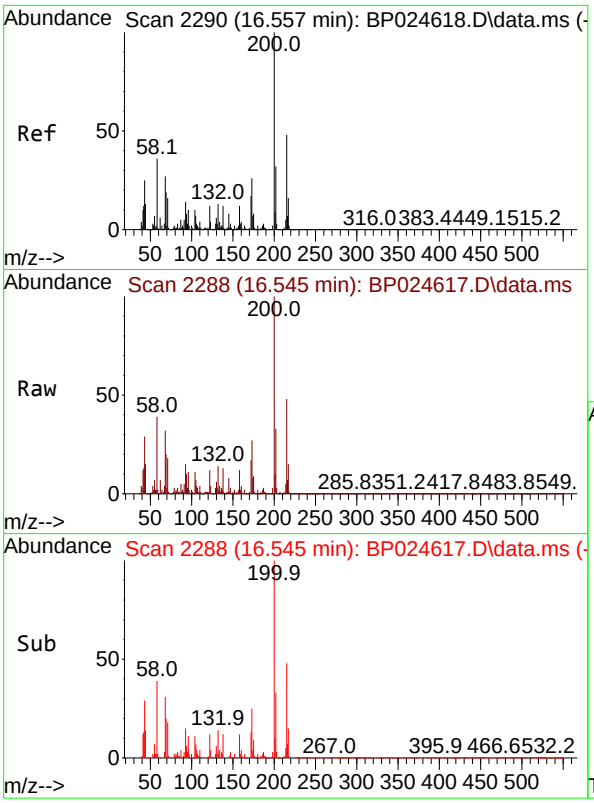


#68
Hexachlorobenzene
Concen: 19.930 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:284 Resp: 192290

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.9	38.9
249	30.7	24.1	36.1



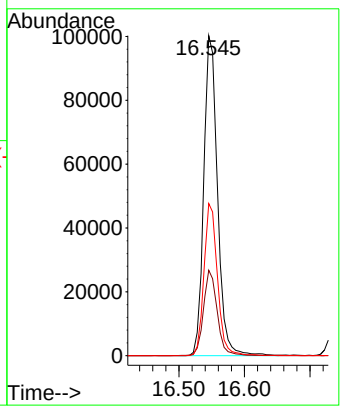


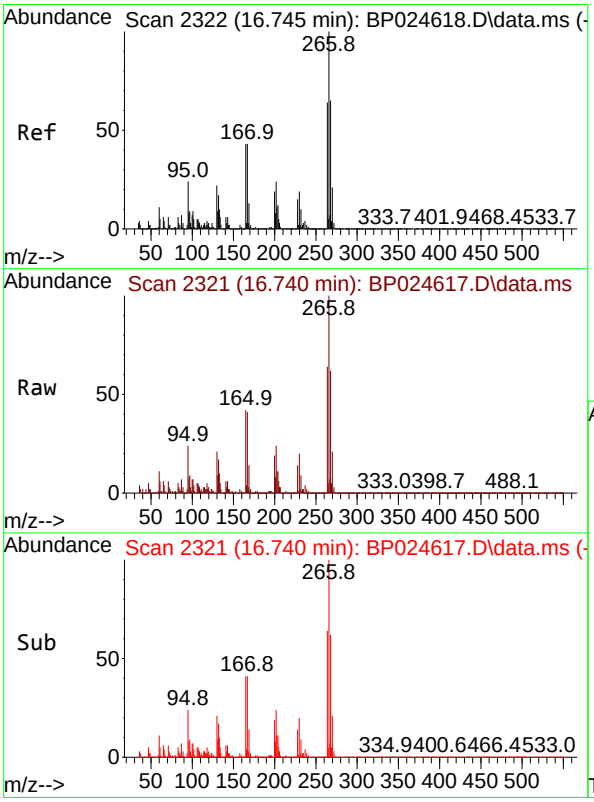
#69
Atrazine
Concen: 20.193 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 146468

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	47.5	28.3	68.3

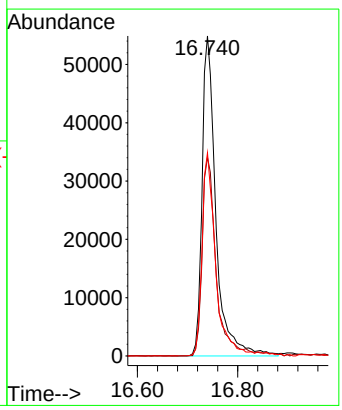


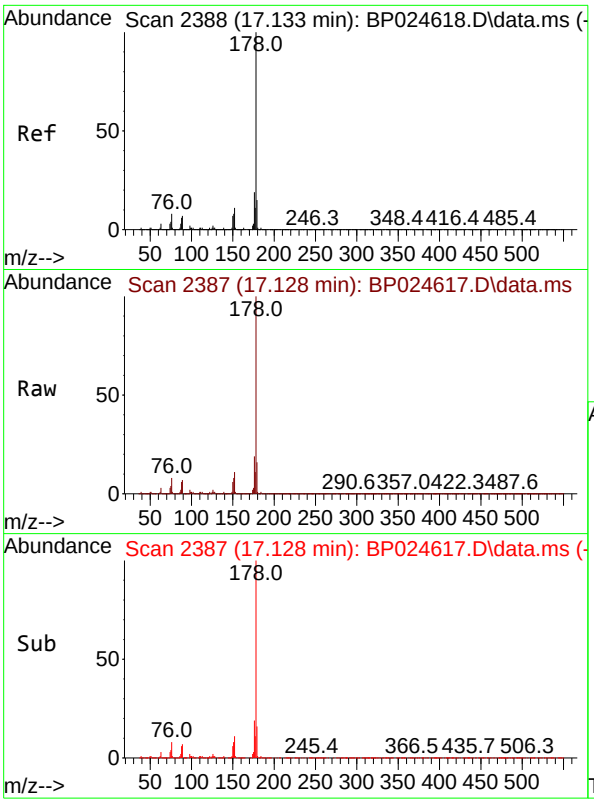


#70
Pentachlorophenol
Concen: 19.360 ng
RT: 16.740 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:266 Resp: 104916

Ion	Ratio	Lower	Upper
266	100		
268	62.1	52.2	78.4
264	63.5	51.1	76.7



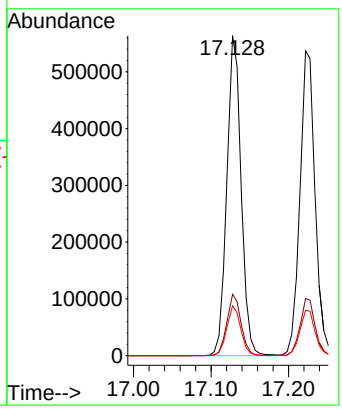


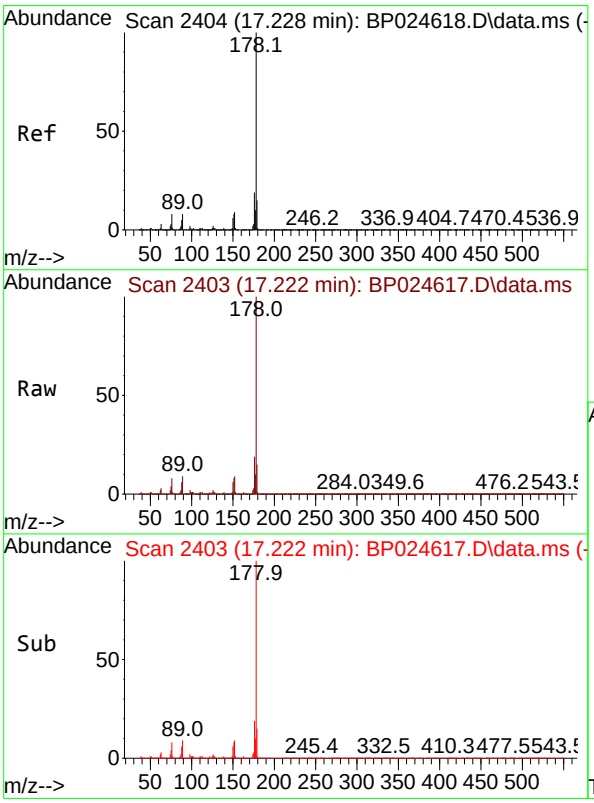
#71
Phenanthrene
Concen: 20.237 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 724922

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.2	18.4

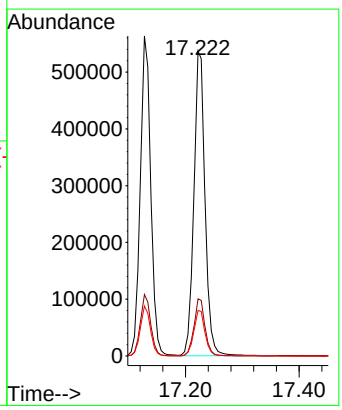


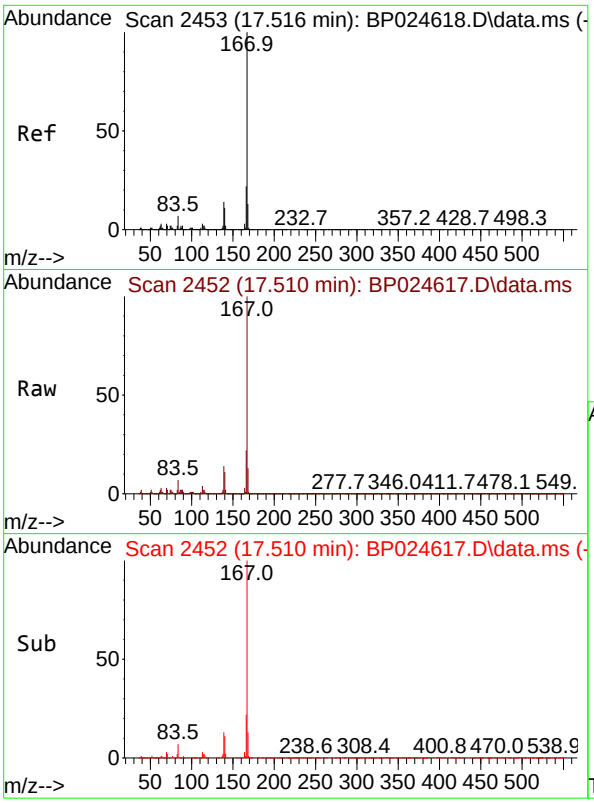


#72
Anthracene
Concen: 20.416 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 735787

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	14.9	12.2	18.2



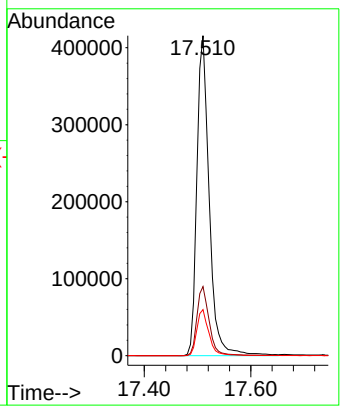


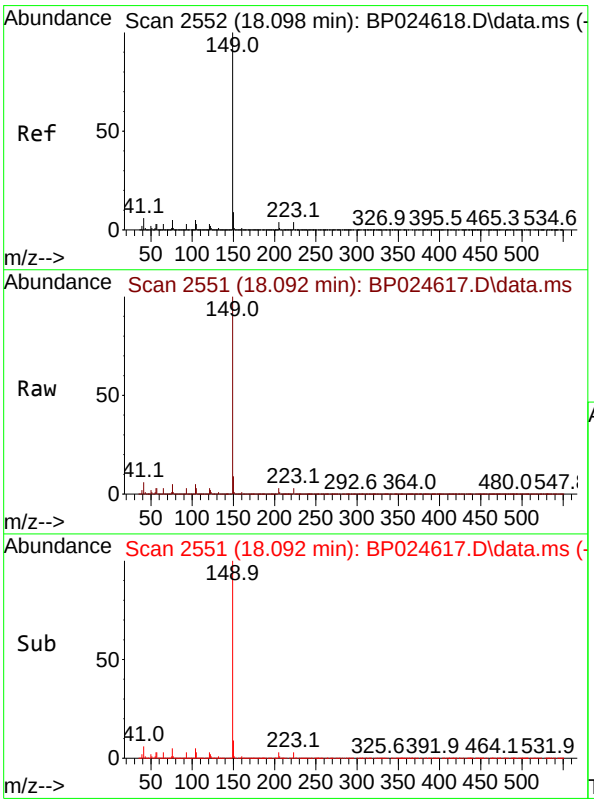
#73
Carbazole
Concen: 20.531 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 669730

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.7	26.5
139	14.4	11.3	16.9

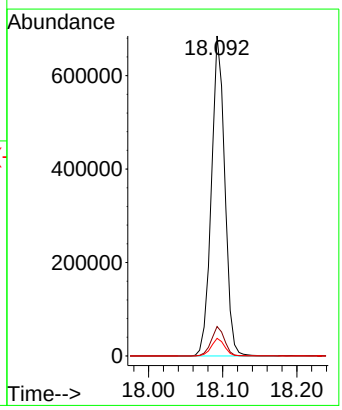


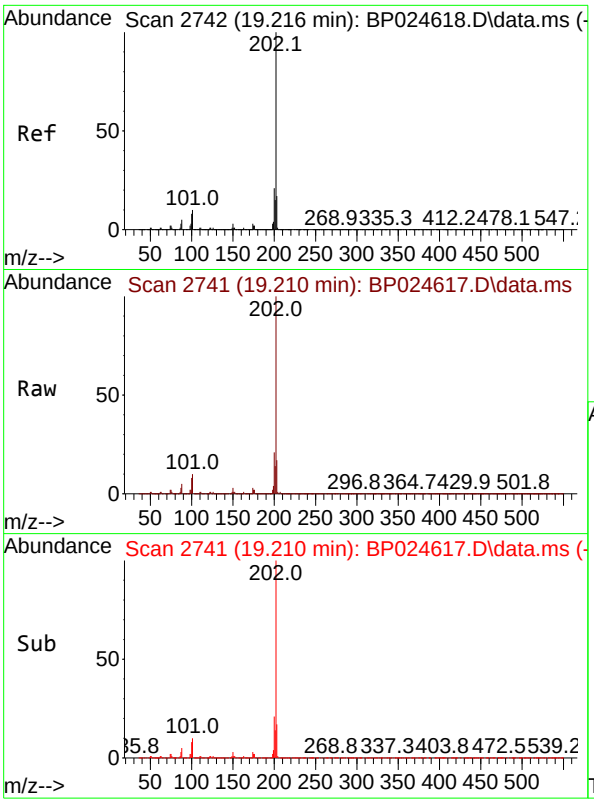


#74
Di-n-butylphthalate
Concen: 20.464 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 858522

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.5	4.3	6.5



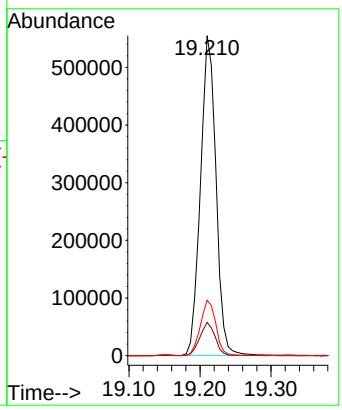


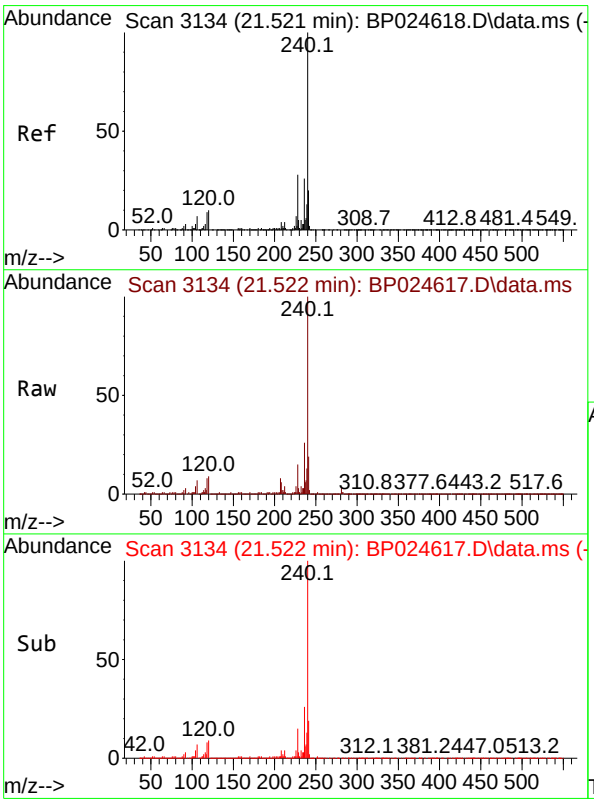
#75
Fluoranthene
Concen: 20.220 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 846684

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.3
203	17.3	0.0	37.5

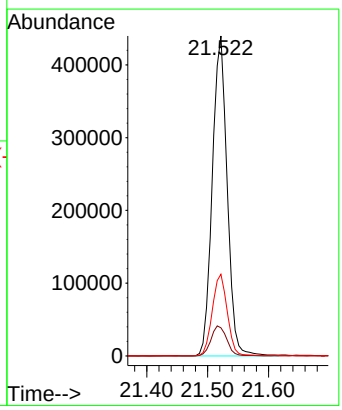


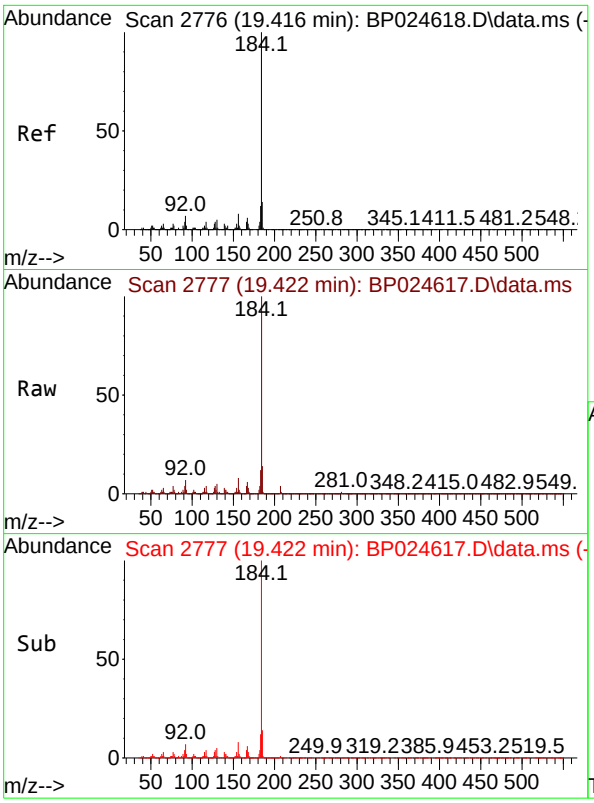


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:240 Resp: 745224

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.5	20.6	31.0



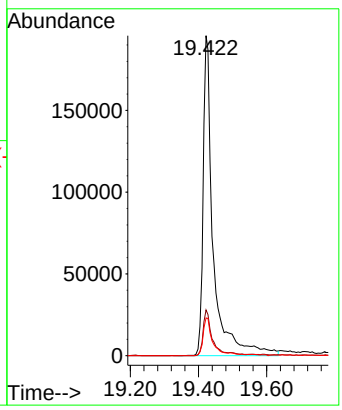


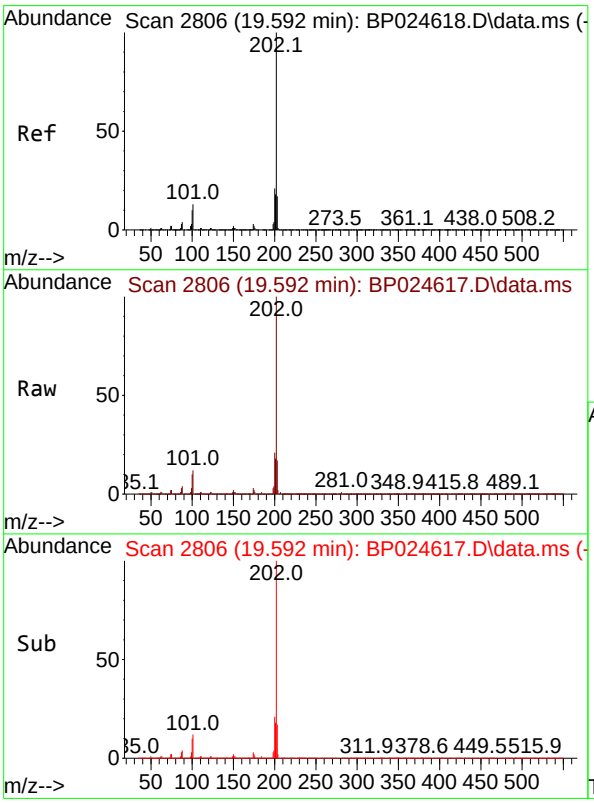
#77
Benzidine
Concen: 19.793 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 404890

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.2	16.8
183	11.8	9.8	14.8

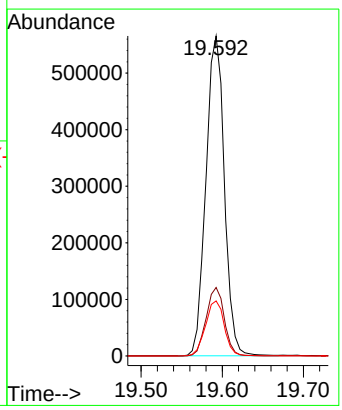


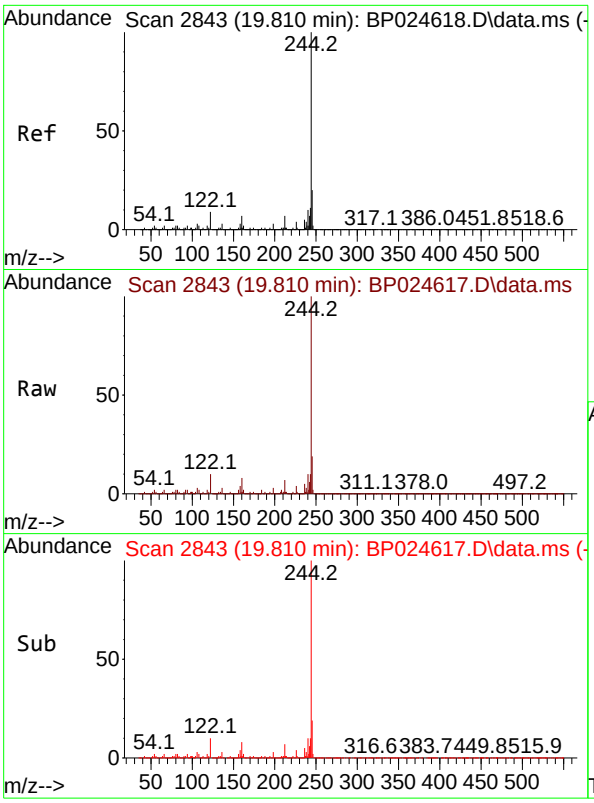


#78
Pyrene
Concen: 19.977 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 892037

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.2	13.9	20.9



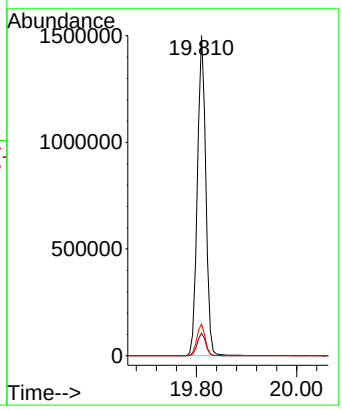


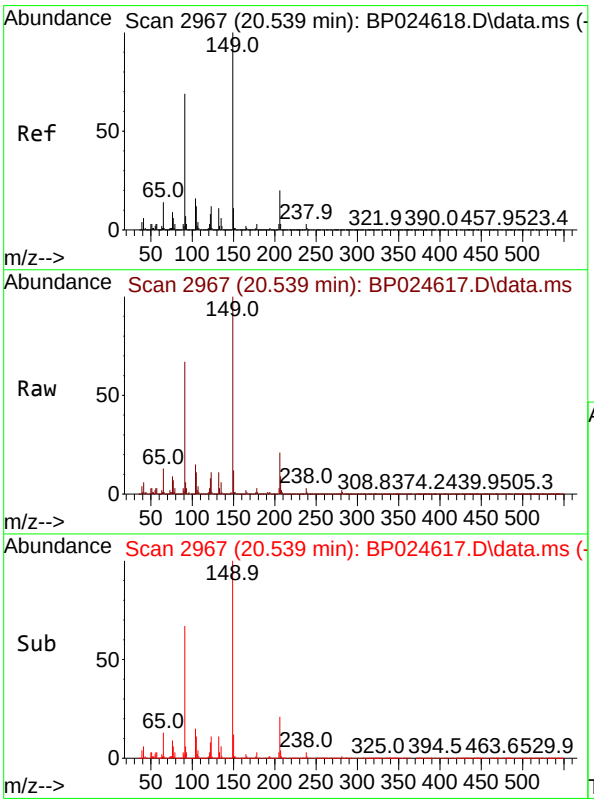
#79
Terphenyl-d14
Concen: 39.964 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1736879

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	9.9	7.4	11.0

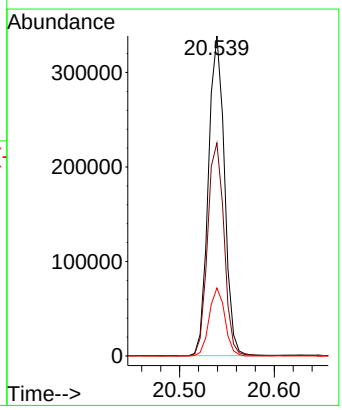


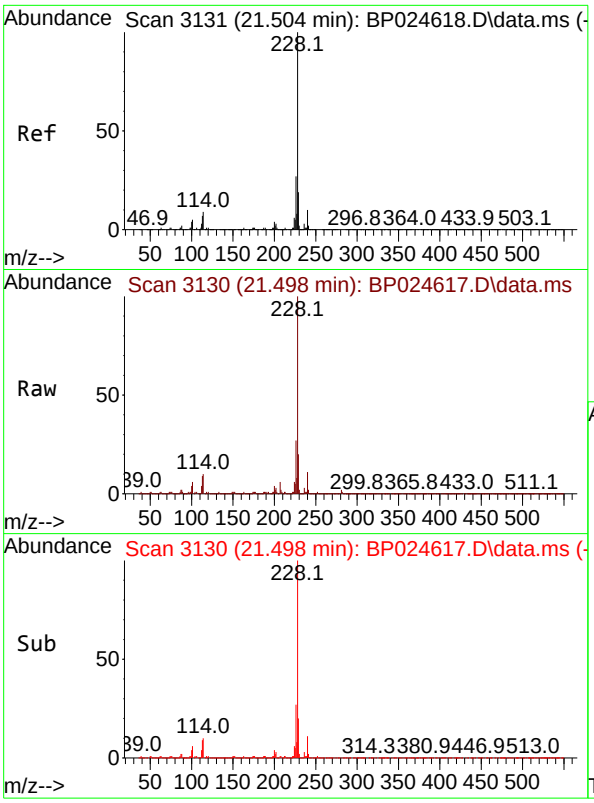


#80
Butylbenzylphthalate
Concen: 20.145 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 400050

Ion	Ratio	Lower	Upper
149	100		
91	66.6	55.4	83.0
206	21.3	16.2	24.2



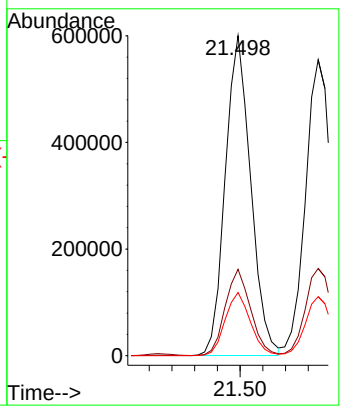


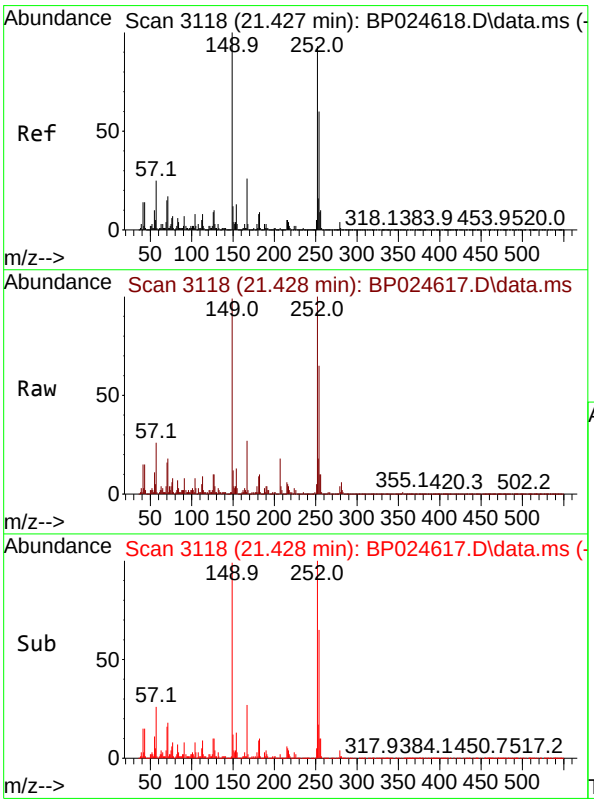
#81
Benzo(a)anthracene
Concen: 19.952 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 933614

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.0
229	19.7	15.5	23.3

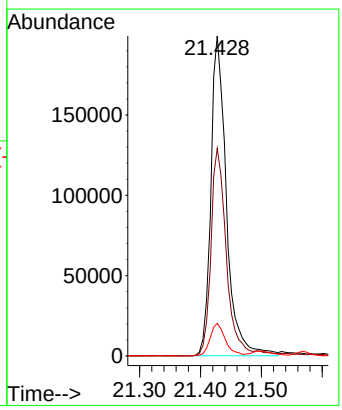


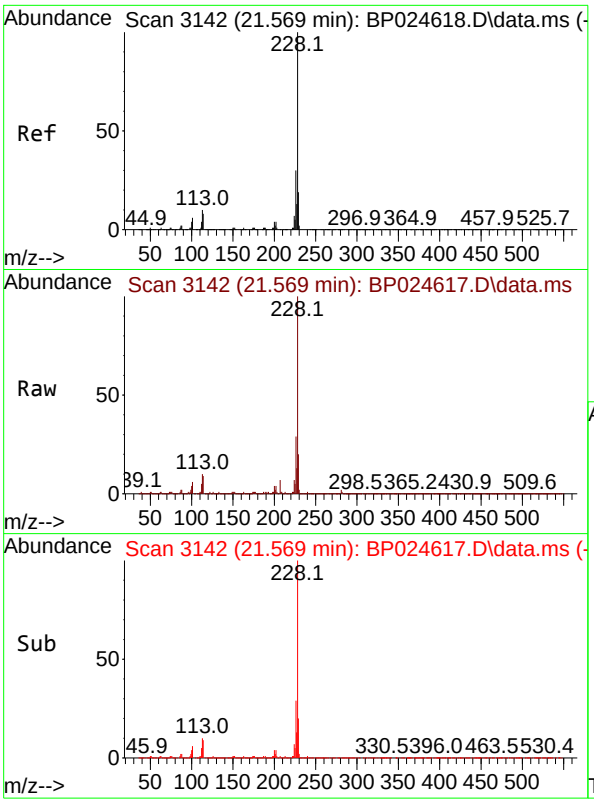


#82
3,3'-Dichlorobenzidine
Concen: 20.310 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 353000

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	10.1	7.7	11.5



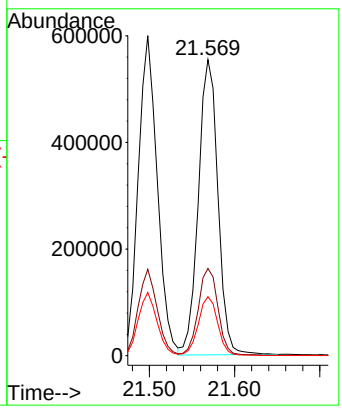


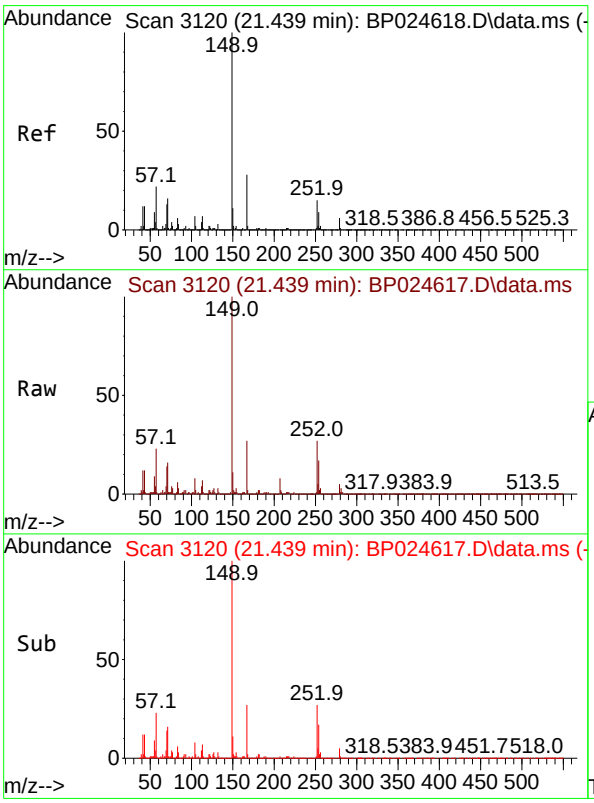
#83
Chrysene
Concen: 19.906 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 883001

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	20.0	15.5	23.3

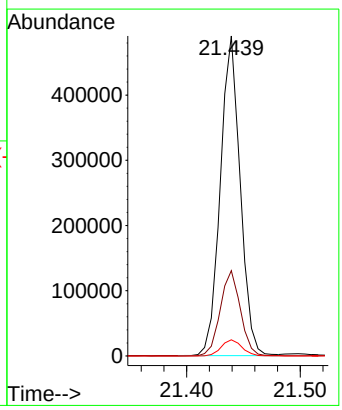


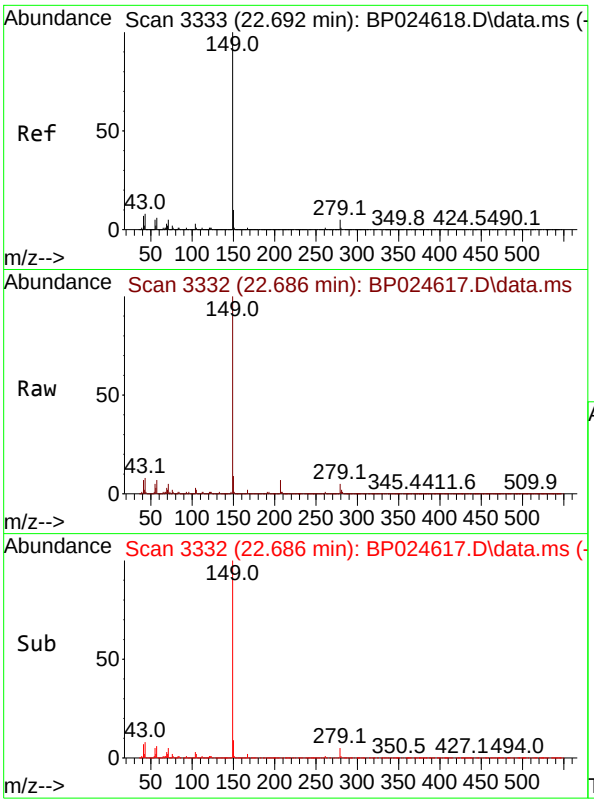


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.454 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 597012

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.1	33.1
279	5.0	4.6	6.8



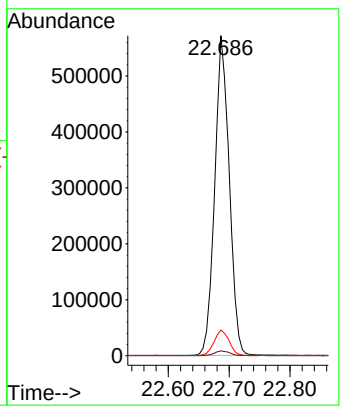


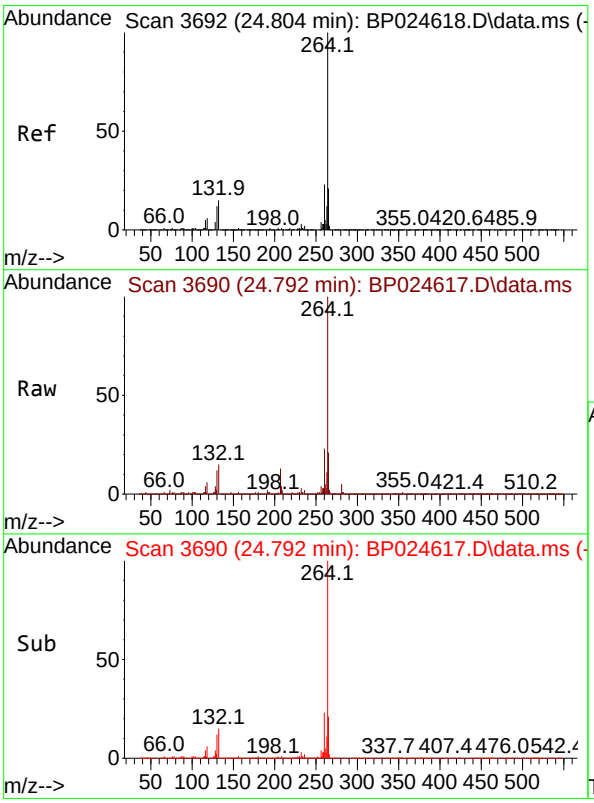
#85
Di-n-octyl phthalate
Concen: 19.852 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 947571

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.3	6.3	9.5

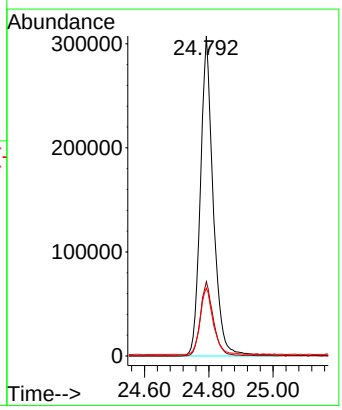


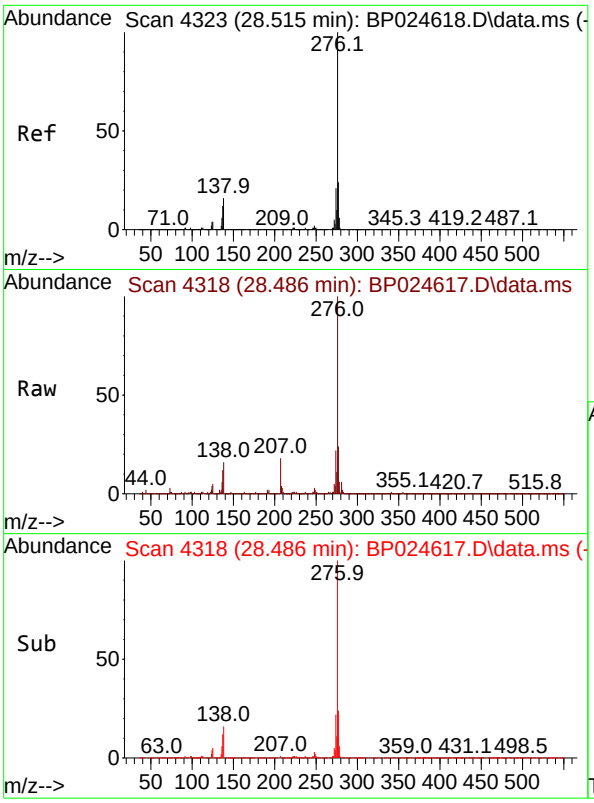


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:264 Resp: 850264

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	17.0	25.6



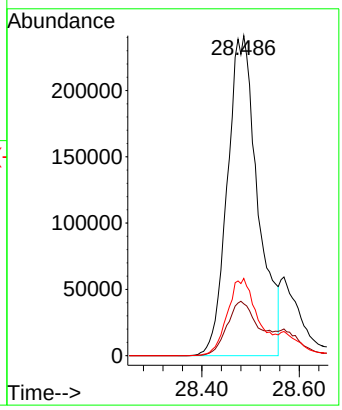


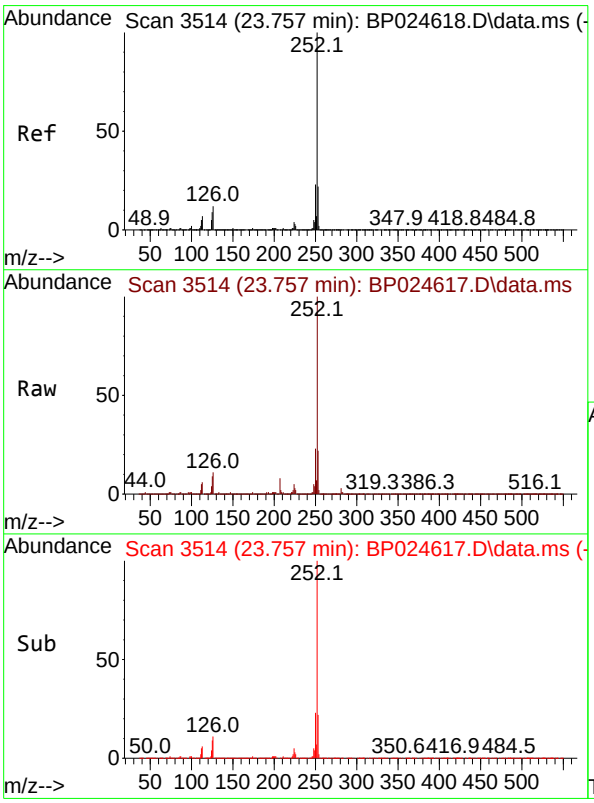
#87
Indeno(1,2,3-cd)pyrene
Concen: 16.867 ng
RT: 28.486 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1047319

Ion	Ratio	Lower	Upper
276	100		
138	17.8	11.2	16.8#
277	24.6	15.7	23.5#

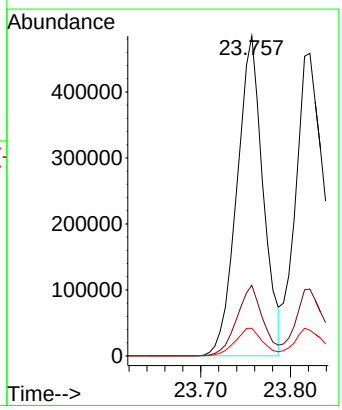


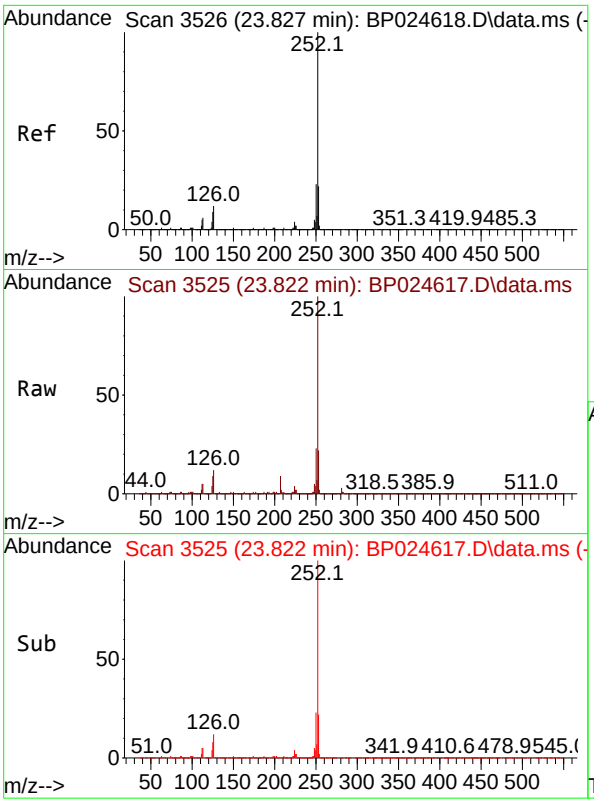


#88
Benzo(b)fluoranthene
Concen: 20.134 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 979873

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.7	7.5	11.3



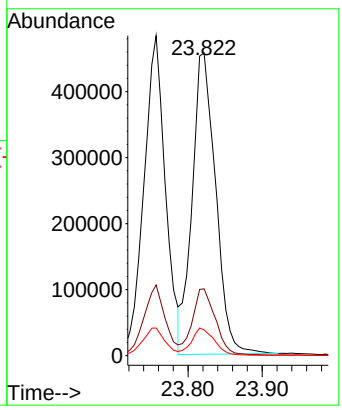


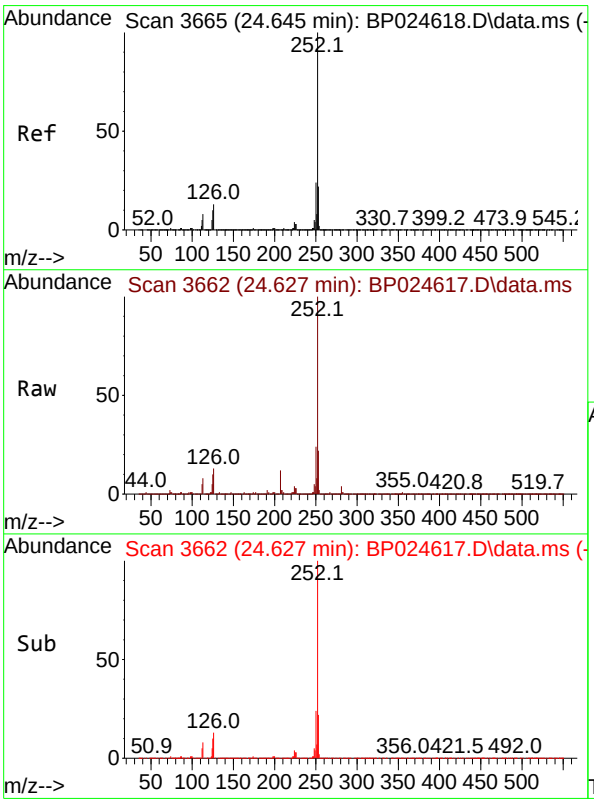
#89
Benzo(k)fluoranthene
Concen: 20.047 ng
RT: 23.822 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1005349

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4

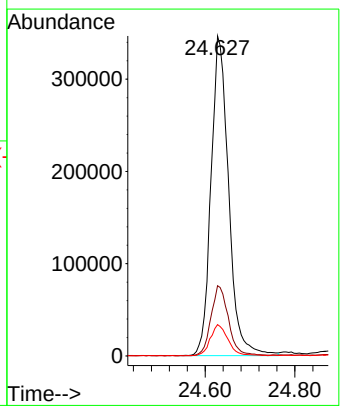


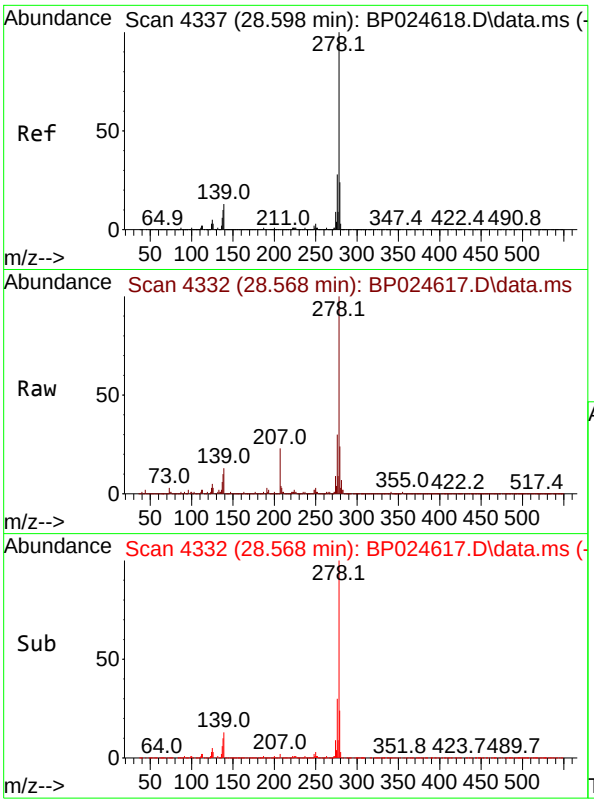


#90
Benzo(a)pyrene
Concen: 20.234 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.017 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 945764

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.8	8.1	12.1



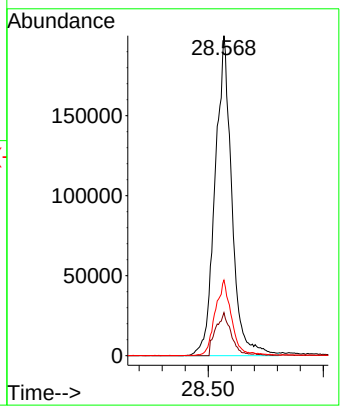


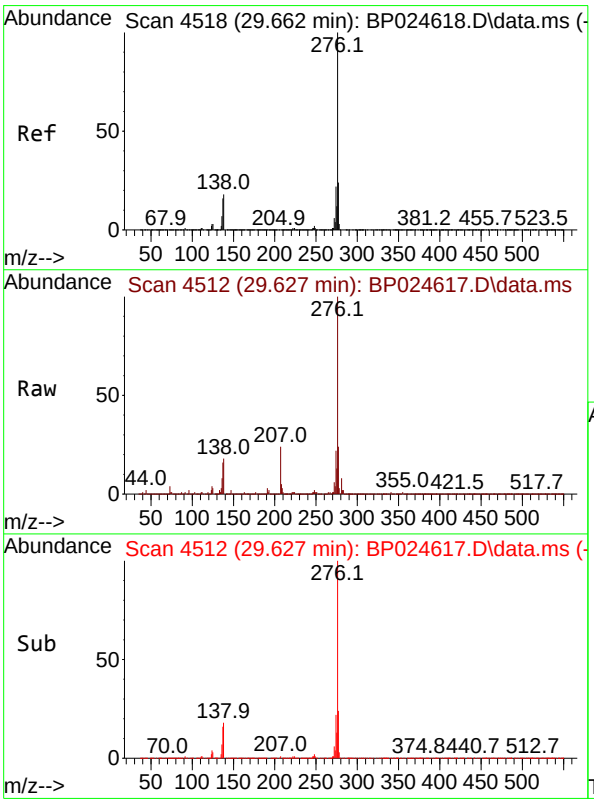
#91
Dibenzo(a,h)anthracene
Concen: 19.966 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1008288

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.2	15.4
279	23.6	19.0	28.4

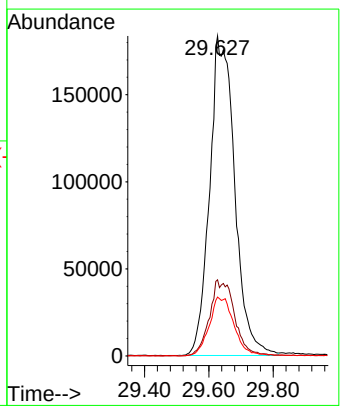




#92
Benzo(g,h,i)perylene
Concen: 19.751 ng
RT: 29.627 min Scan# 4512
Delta R.T. -0.035 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 991852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	18.4	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	120950	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	540452	20.000	ng	0.00
39) Acenaphthene-d10	14.304	164	362458	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	717362	20.000	ng	0.00
76) Chrysene-d12	21.521	240	810498	20.000	ng	0.00
86) Perylene-d12	24.804	264	929890	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	534477	75.581	ng	0.00
7) Phenol-d6	6.852	99	712342	78.928	ng	0.00
23) Nitrobenzene-d5	8.810	82	826567	77.275	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	467808	76.132	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2076354	75.051	ng	0.00
79) Terphenyl-d14	19.810	244	3647961	77.176	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	122181	36.795	ng	100
3) Pyridine	3.622	79	289809	39.360	ng	100
4) n-Nitrosodimethylamine	3.534	42	125087	38.481	ng	100
6) Aniline	7.005	93	463675	39.792	ng	100
8) 2-Chlorophenol	7.240	128	315079	39.249	ng	100
9) Benzaldehyde	6.822	77	237579	40.735	ng	100
10) Phenol	6.881	94	364948	39.178	ng	100
11) bis(2-Chloroethyl)ether	7.099	93	293331	38.322	ng	100
12) 1,3-Dichlorobenzene	7.552	146	348242	37.705	ng	100
13) 1,4-Dichlorobenzene	7.699	146	355533	38.274	ng	100
14) 1,2-Dichlorobenzene	8.010	146	344980	38.112	ng	100
15) Benzyl Alcohol	7.905	79	277892	40.518	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.187	45	354872	38.713	ng	100
17) 2-Methylphenol	8.110	107	265962	39.808	ng	100
18) Hexachloroethane	8.728	117	133224	37.426	ng	100
19) n-Nitroso-di-n-propyla...	8.457	70	253553	40.613	ng	100
20) 3+4-Methylphenols	8.434	107	366564	40.334	ng	100
22) Acetophenone	8.475	105	521603	38.637	ng	100
24) Nitrobenzene	8.852	77	363767	38.645	ng	100
25) Isophorone	9.375	82	727081	39.187	ng	100
26) 2-Nitrophenol	9.563	139	185587	40.236	ng	100
27) 2,4-Dimethylphenol	9.628	122	322227	39.623	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	430958	38.877	ng	100
29) 2,4-Dichlorophenol	10.093	162	314830	39.950	ng	100
30) 1,2,4-Trichlorobenzene	10.299	180	330659	37.234	ng	100
31) Naphthalene	10.481	128	1059316	37.824	ng	100
32) Benzoic acid	9.775	122	180610	34.055	ng	100
33) 4-Chloroaniline	10.599	127	452150	40.008	ng	100
34) Hexachlorobutadiene	10.763	225	213978	37.194	ng	100
35) Caprolactam	11.387	113	118047	41.426	ng	100
36) 4-Chloro-3-methylphenol	11.734	107	385077	40.069	ng	100
37) 2-Methylnaphthalene	12.093	142	692133	38.166	ng	100
38) 1-Methylnaphthalene	12.316	142	745849	38.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	398230	37.835	ng	100
41) Hexachlorocyclopentadiene	12.445	237	258329	40.476	ng	100
43) 2,4,6-Trichlorophenol	12.716	196	268675	39.410	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	293079	38.621	ng	100
46) 1,1'-Biphenyl	13.116	154	1002344	37.415	ng	100
47) 2-Chloronaphthalene	13.157	162	771952	37.792	ng	100
48) 2-Nitroaniline	13.375	65	242485	40.097	ng	100
49) Acenaphthylene	14.016	152	1307740	38.257	ng	100
50) Dimethylphthalate	13.757	163	1051056	38.045	ng	100
51) 2,6-Dinitrotoluene	13.881	165	226086	38.749	ng	100
52) Acenaphthene	14.363	154	745335	37.928	ng	100
53) 3-Nitroaniline	14.216	138	246561	41.386	ng	100
54) 2,4-Dinitrophenol	14.428	184	124517	37.537	ng	100
55) Dibenzofuran	14.698	168	1183806	37.767	ng	100
56) 4-Nitrophenol	14.551	139	186112	38.408	ng	100
57) 2,4-Dinitrotoluene	14.681	165	329156	40.015	ng	100
58) Fluorene	15.357	166	968487	37.893	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	274384	38.977	ng	100
60) Diethylphthalate	15.139	149	1046478	37.478	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	475327	37.292	ng	100
62) 4-Nitroaniline	15.392	138	239212	41.240	ng	100
63) Azobenzene	15.651	77	906274	37.940	ng	100
65) 4,6-Dinitro-2-methylph...	15.457	198	184593	39.837	ng	100
66) n-Nitrosodiphenylamine	15.581	169	851188	38.630	ng	100
67) 4-Bromophenyl-phenylether	16.263	248	323558	38.277	ng	100
68) Hexachlorobenzene	16.381	284	403916	37.605	ng	100
69) Atrazine	16.557	200	312226	38.666	ng	100
70) Pentachlorophenol	16.745	266	246828	40.913	ng	100
71) Phenanthrene	17.133	178	1507602	37.804	ng	100
72) Anthracene	17.228	178	1542275	38.439	ng	100
73) Carbazole	17.516	167	1436294	39.551	ng	100
74) Di-n-butylphthalate	18.098	149	1807097	38.692	ng	100
75) Fluoranthene	19.216	202	1794046	38.486	ng	100
77) Benzidine	19.416	184	907109	40.774	ng	100
78) Pyrene	19.592	202	1869519	38.497	ng	100
80) Butylbenzylphthalate	20.539	149	854913	39.583	ng	100
81) Benzo(a)anthracene	21.504	228	1957632	38.466	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	773866	40.940	ng	100
83) Chrysene	21.569	228	1833959	38.014	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1240956	39.091	ng	100
85) Di-n-octyl phthalate	22.692	149	2074694	39.965	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2648648	39.003	ng	100
88) Benzo(b)fluoranthene	23.757	252	2050806	38.531	ng	100
89) Benzo(k)fluoranthene	23.827	252	2120721	38.667	ng	100
90) Benzo(a)pyrene	24.645	252	1979017	38.714	ng	100
91) Dibenzo(a,h)anthracene	28.598	278	2170712	39.304	ng	100
92) Benzo(g,h,i)perylene	29.662	276	2132921	38.836	ng	100

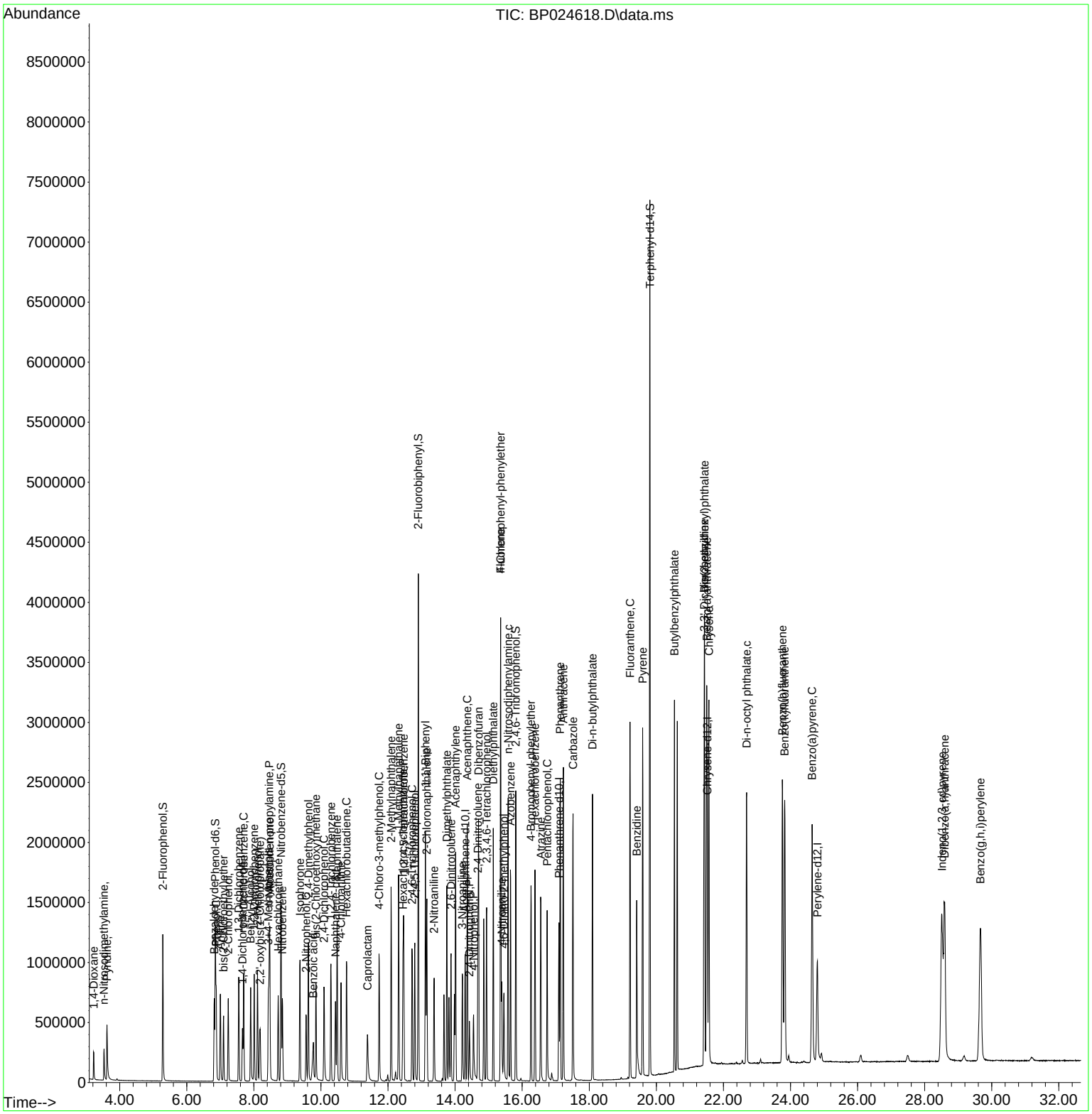
(#) = qualifier out of range (m) = manual integration (+) = signals summed

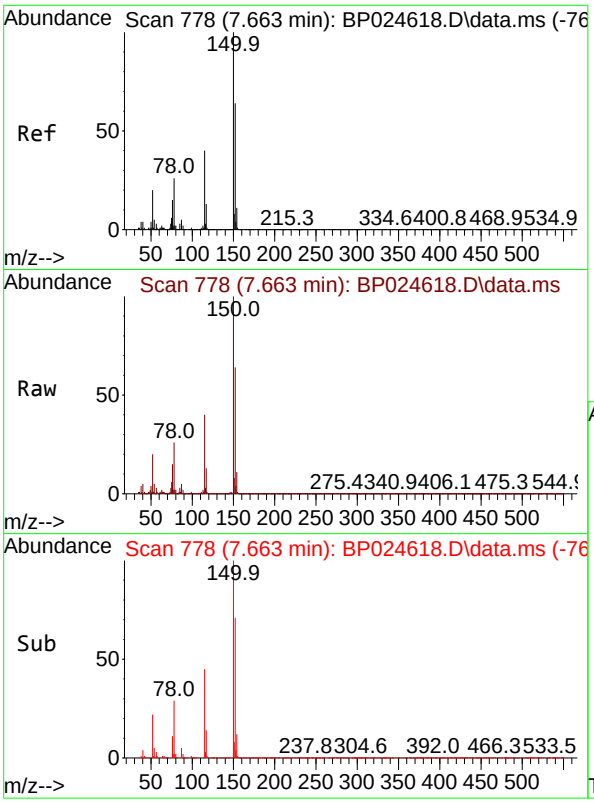
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



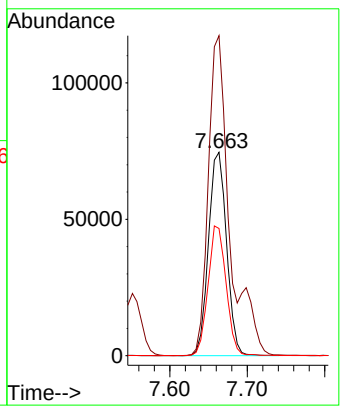


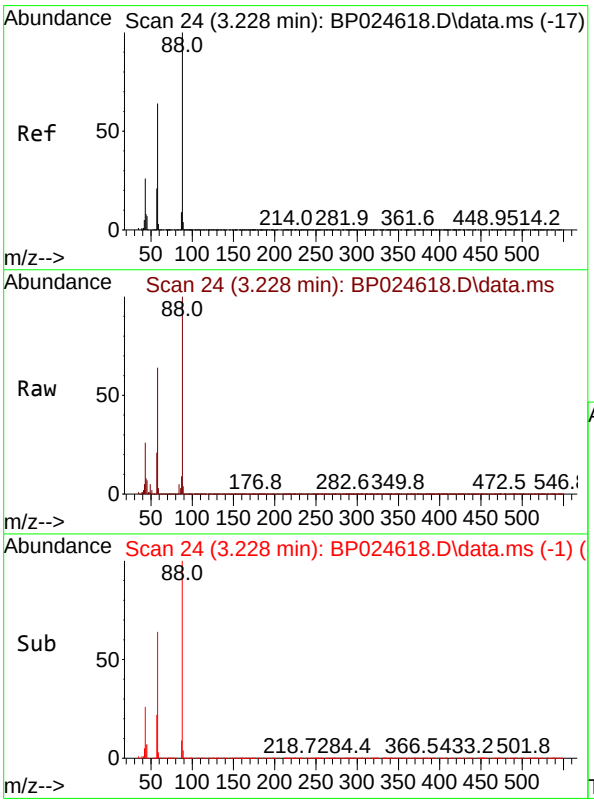
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 120950

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.6	50.1	75.1

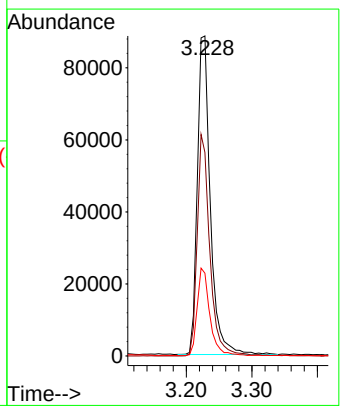


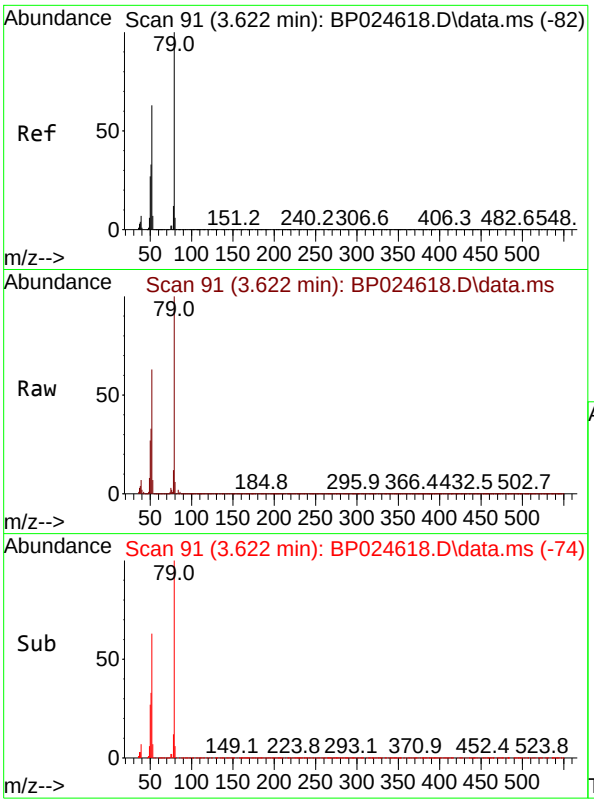


#2
1,4-Dioxane
Concen: 36.795 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 88 Resp: 122181

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.7	21.4	32.0



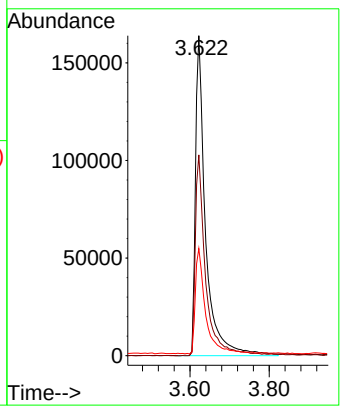


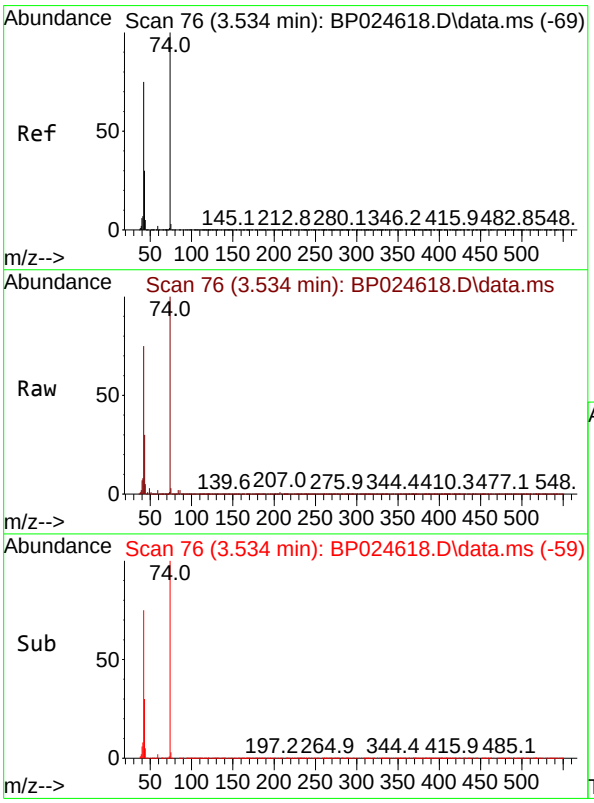
#3
Pyridine
Concen: 39.360 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 289809

Ion	Ratio	Lower	Upper
79	100		
52	62.7	50.2	75.2
51	33.5	26.8	40.2

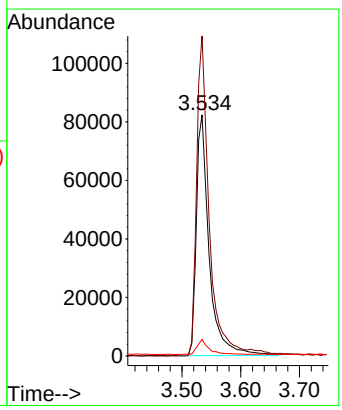


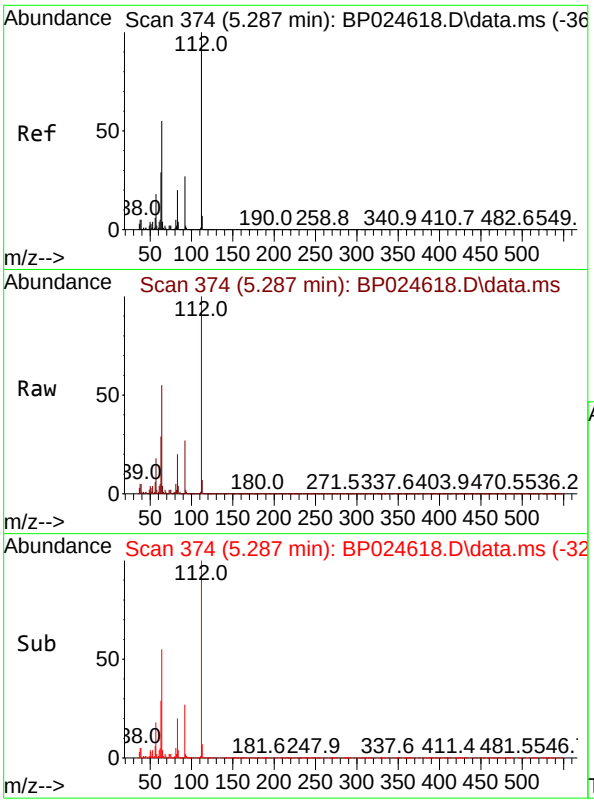


#4
n-Nitrosodimethylamine
Concen: 38.481 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 42 Resp: 125087

Ion	Ratio	Lower	Upper
42	100		
74	132.7	106.2	159.2
44	6.8	5.4	8.2



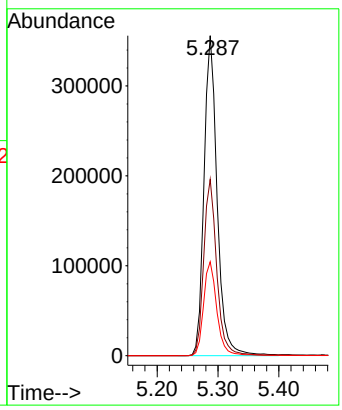


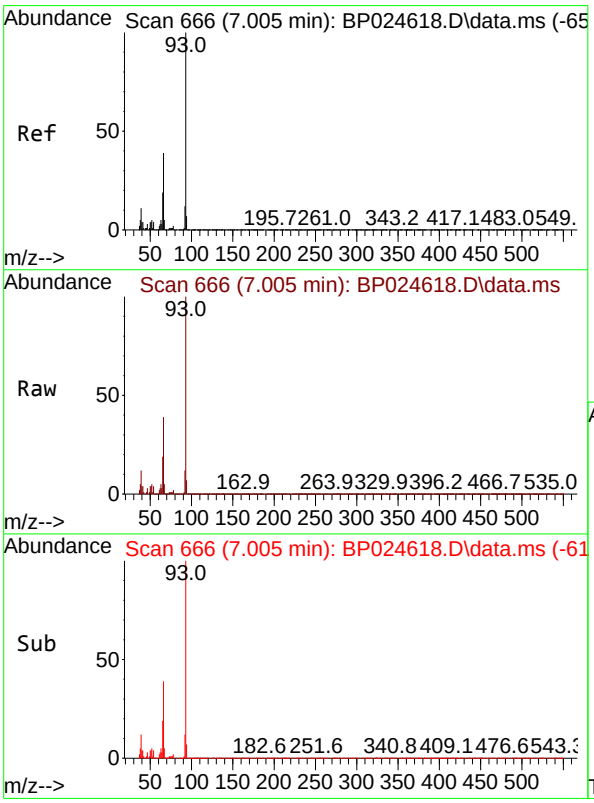
#5
2-Fluorophenol
Concen: 75.581 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 534477

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.4	23.5	35.3

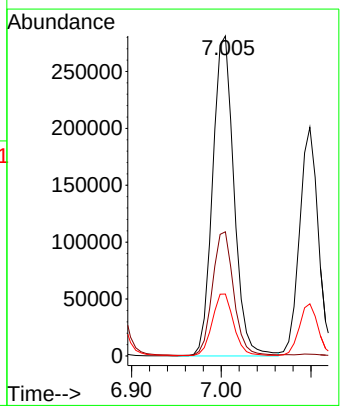


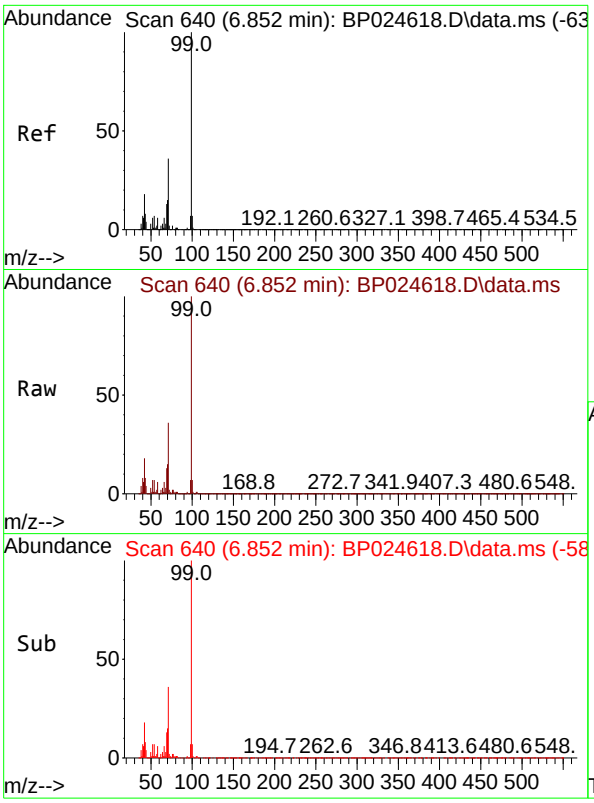


#6
Aniline
Concen: 39.792 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 463675

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.4	15.5	23.3



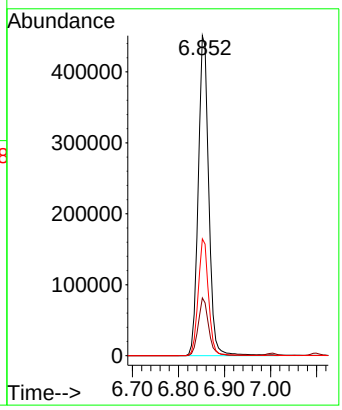


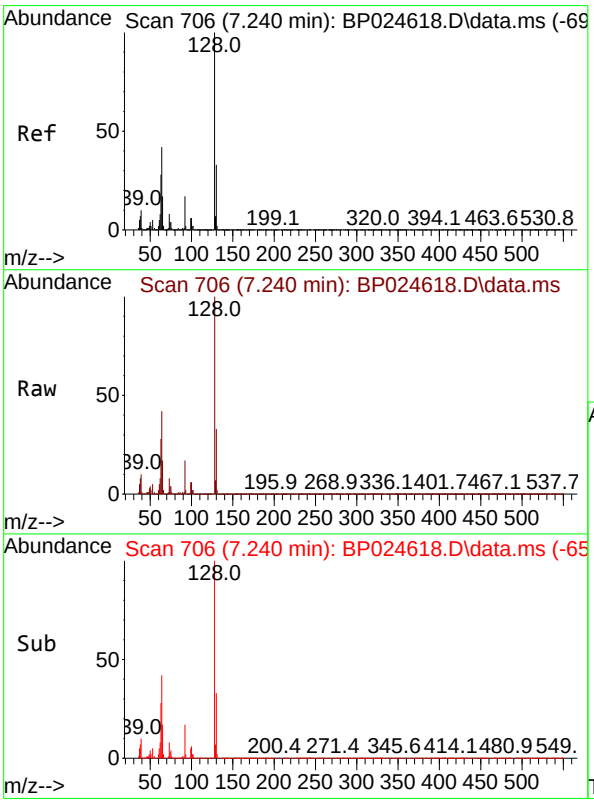
#7
Phenol-d6
Concen: 78.928 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 712342

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.4	21.6
71	36.5	29.2	43.8

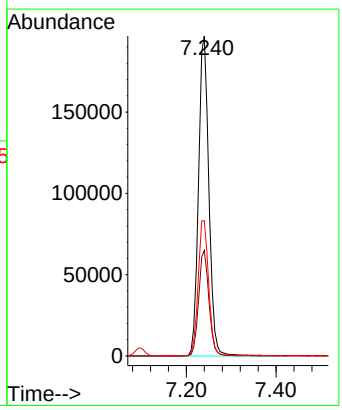


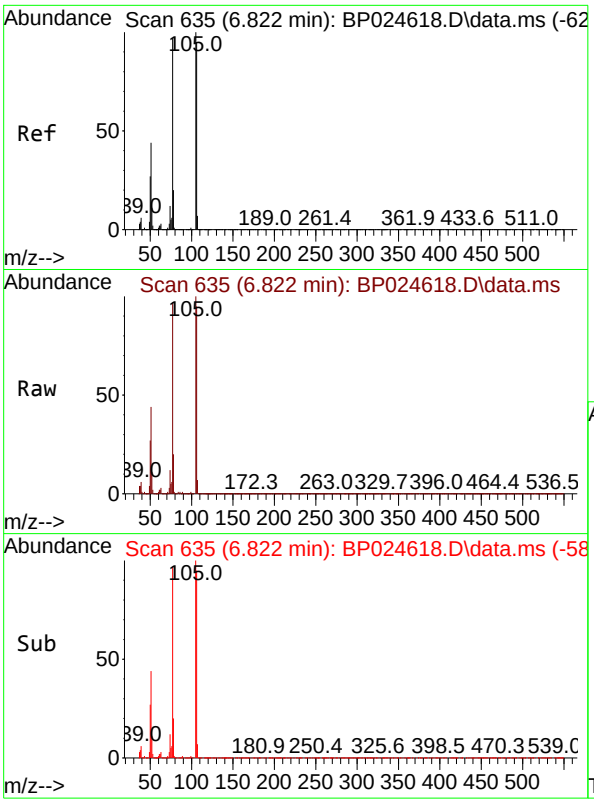


#8
2-Chlorophenol
Concen: 39.249 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 315079

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.0	53.0
64	42.3	22.3	62.3



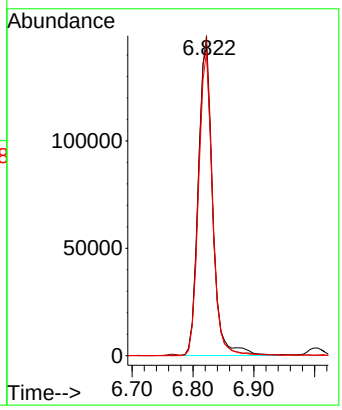


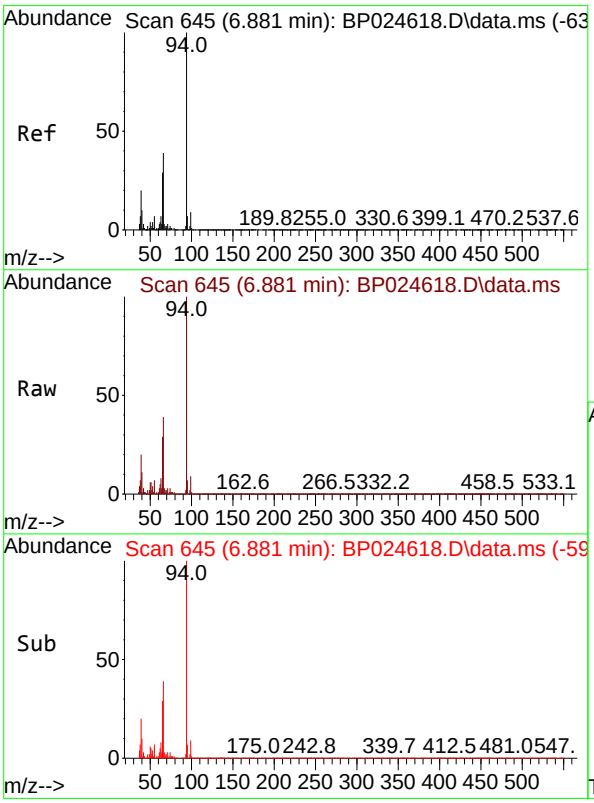
#9
Benzaldehyde
Concen: 40.735 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 237579

Ion	Ratio	Lower	Upper
77	100		
105	103.3	83.3	123.3
106	98.0	78.0	118.0

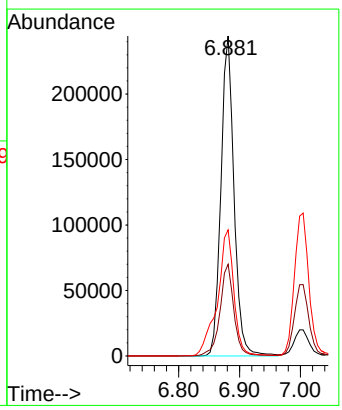


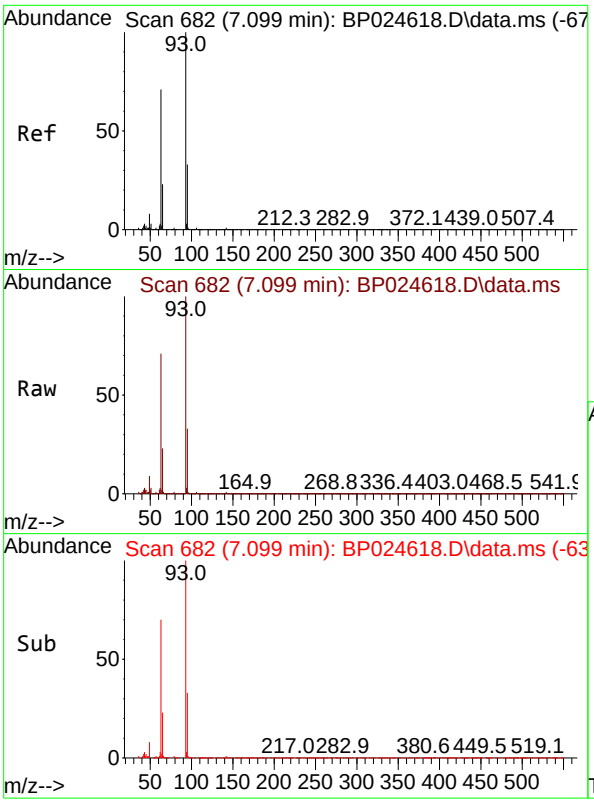


#10
Phenol
Concen: 39.178 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 94 Resp: 364948

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.7	48.7
66	39.4	19.4	59.4



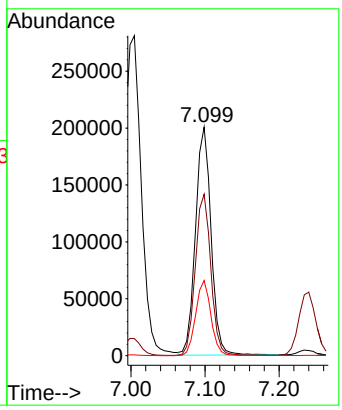


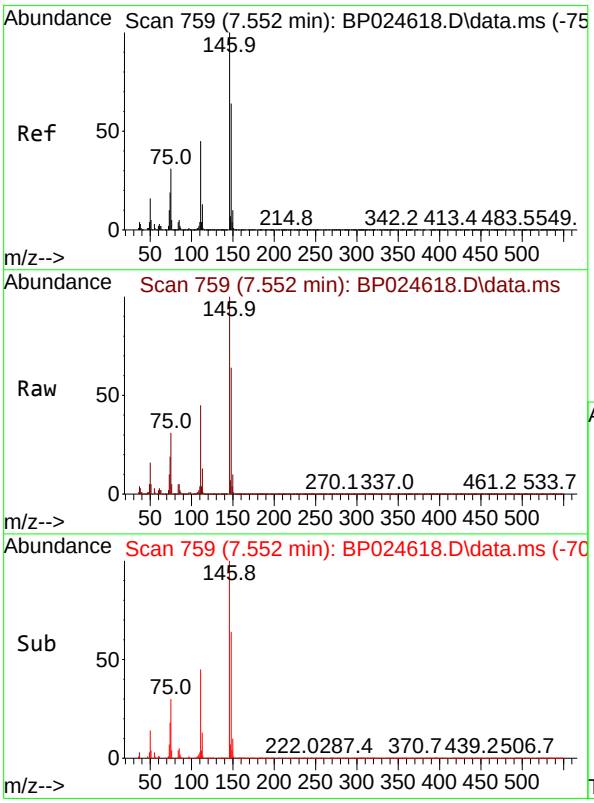
#11
bis(2-Chloroethyl)ether
Concen: 38.322 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 293331

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.9	12.9	52.9

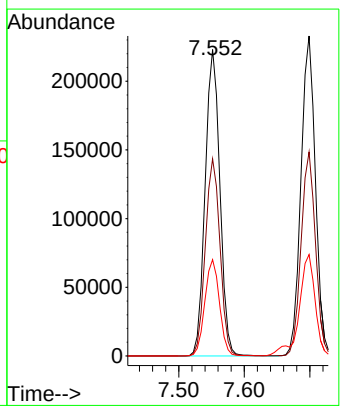


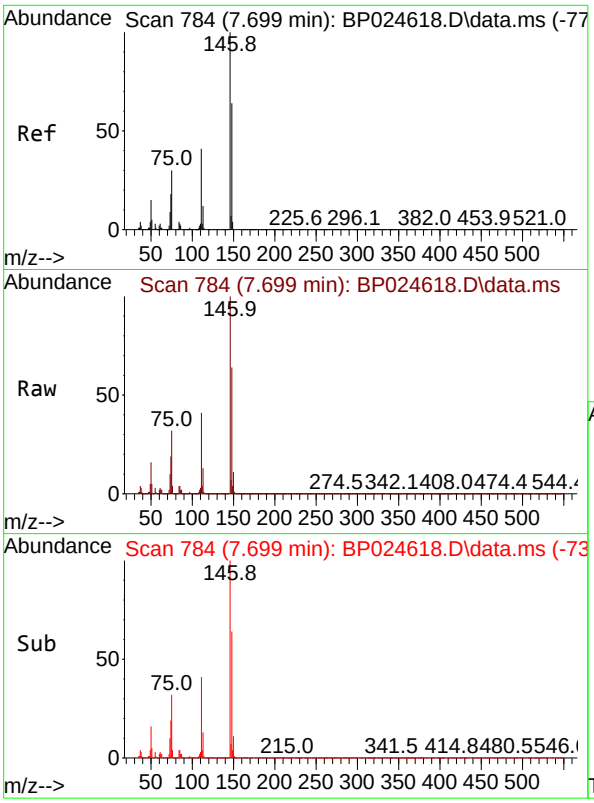


#12
1,3-Dichlorobenzene
Concen: 37.705 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 348242

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	31.5	25.2	37.8



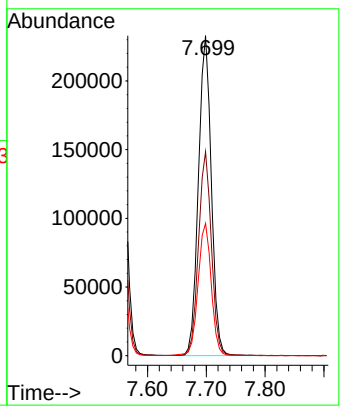


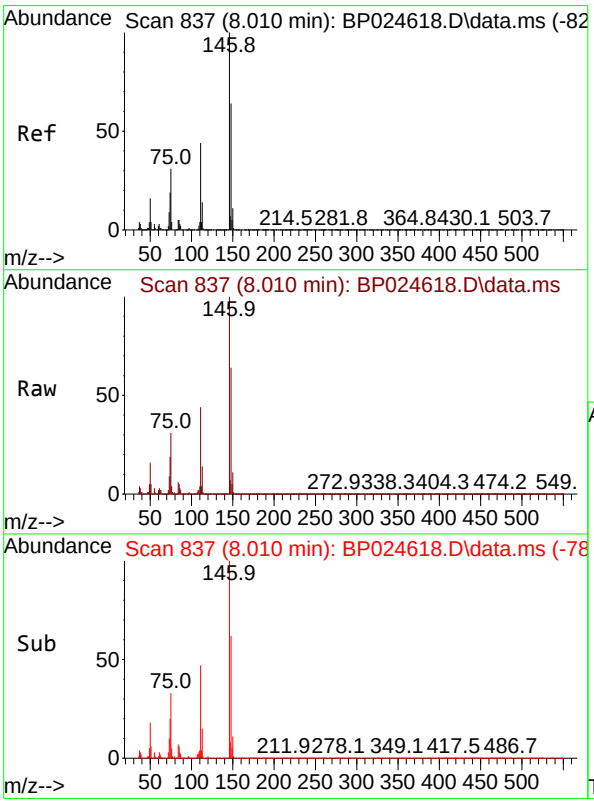
#13
1,4-Dichlorobenzene
Concen: 38.274 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 355533

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	41.3	33.0	49.6

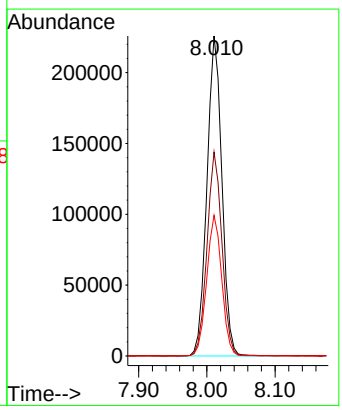


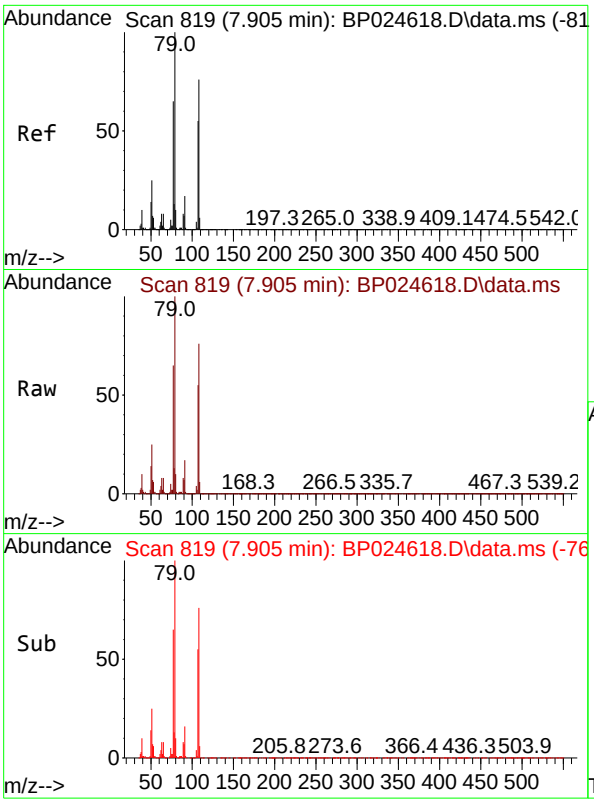


#14
1,2-Dichlorobenzene
Concen: 38.112 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 344980

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	44.0	35.2	52.8



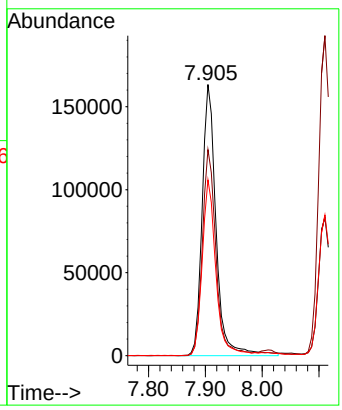


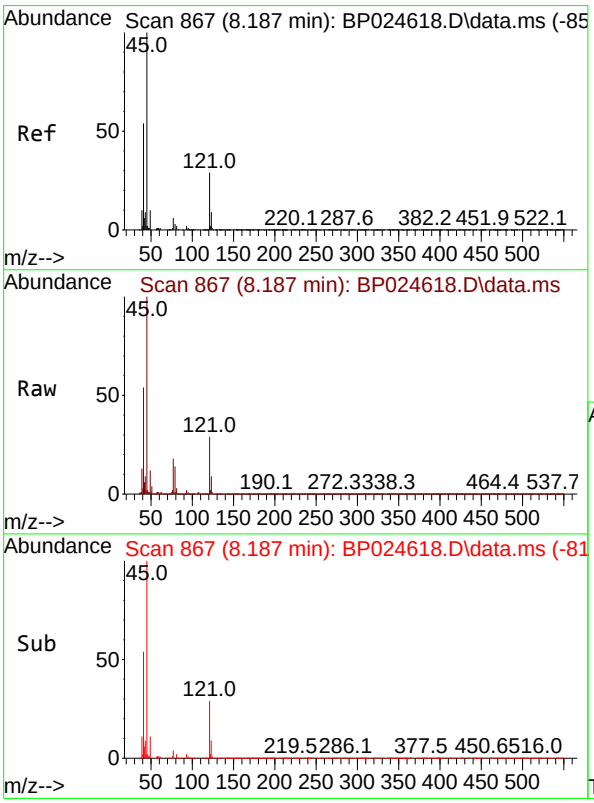
#15
Benzyl Alcohol
Concen: 40.518 ng
RT: 7.905 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 277892

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	64.9	51.9	77.9

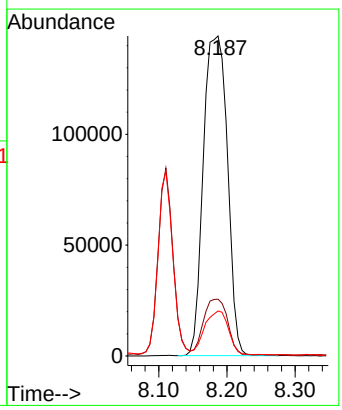


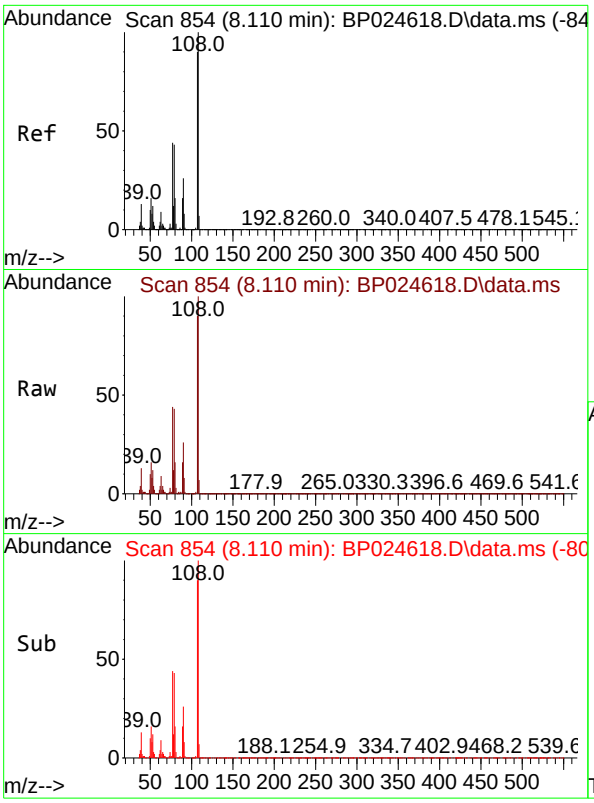


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.713 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 45 Resp: 354872

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	14.0	0.0	34.0



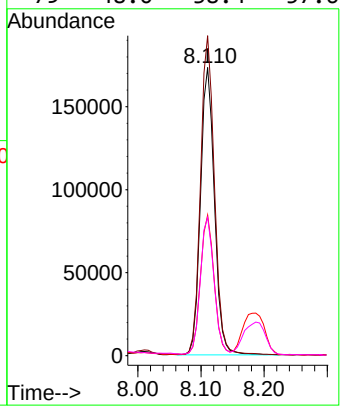


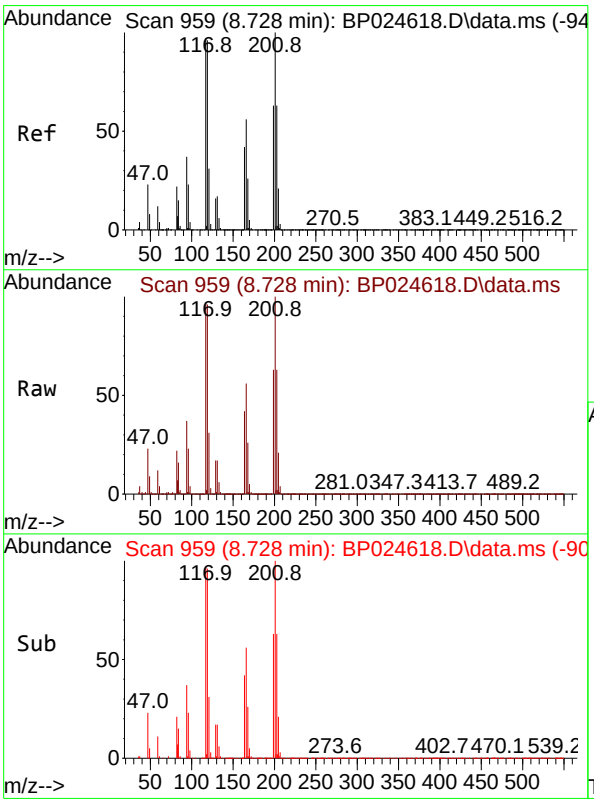
#17
2-Methylphenol
Concen: 39.808 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 265962

Ion	Ratio	Lower	Upper
107	100		
108	111.1	88.9	133.3
77	48.8	39.0	58.6
79	48.0	38.4	57.6

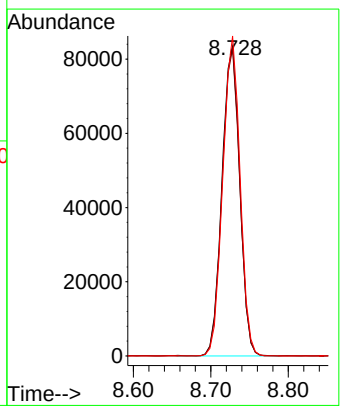


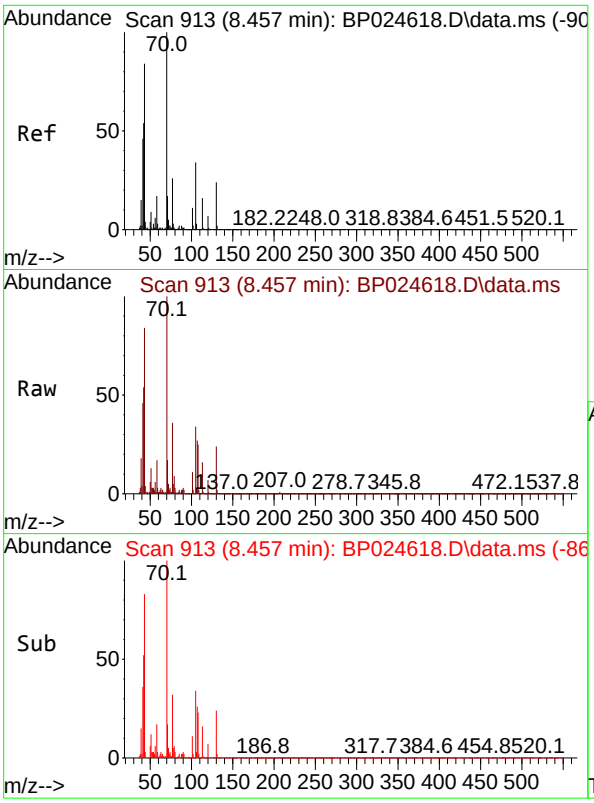


#18
Hexachloroethane
Concen: 37.426 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:117 Resp: 133224

Ion	Ratio	Lower	Upper
117	100		
119	99.2	79.4	119.0
201	103.4	82.7	124.1



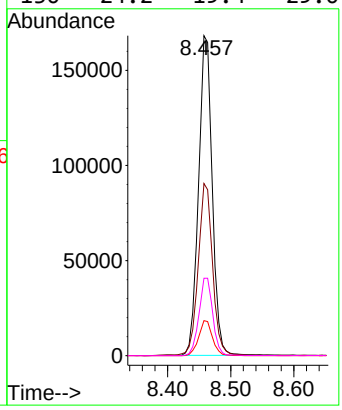


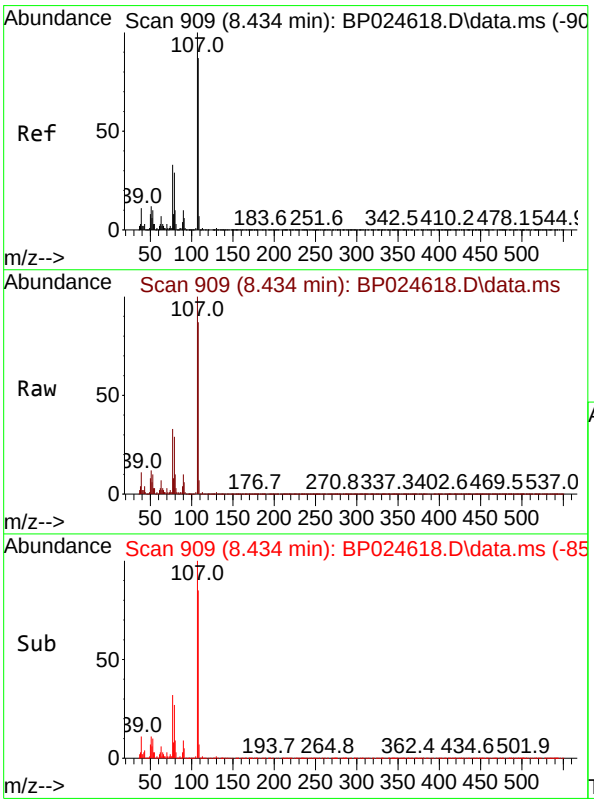
#19
n-Nitroso-di-n-propylamine
Concen: 40.613 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 253553

Ion	Ratio	Lower	Upper
70	100		
42	53.8	43.0	64.6
101	10.9	8.7	13.1
130	24.2	19.4	29.0

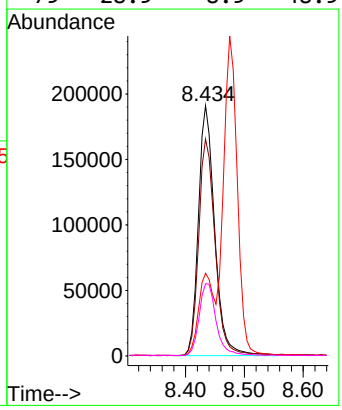


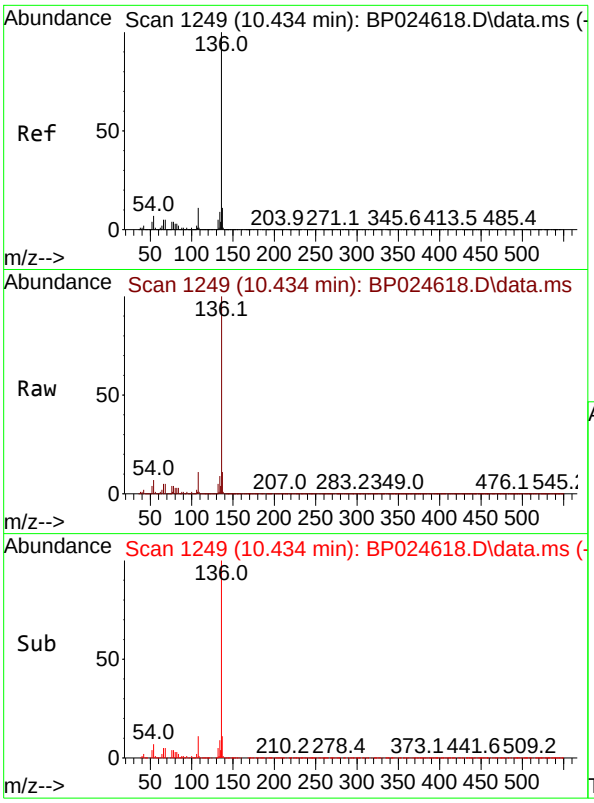


#20
3+4-Methylphenols
Concen: 40.334 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 366564

Ion	Ratio	Lower	Upper
107	100		
108	86.7	66.7	106.7
77	33.1	13.1	53.1
79	28.9	8.9	48.9



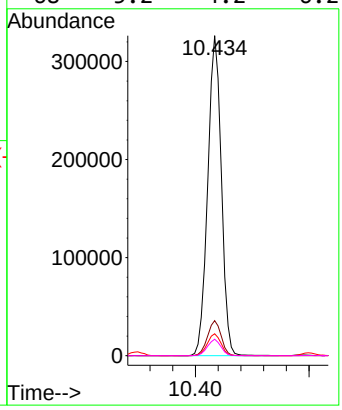


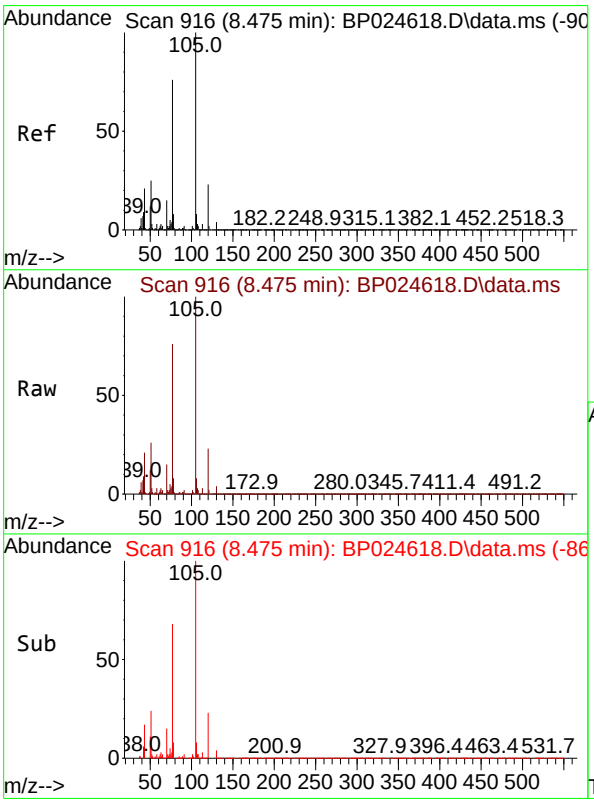
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 540452

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.5	8.3
68	5.2	4.2	6.2

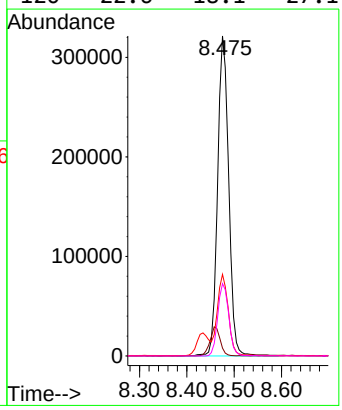


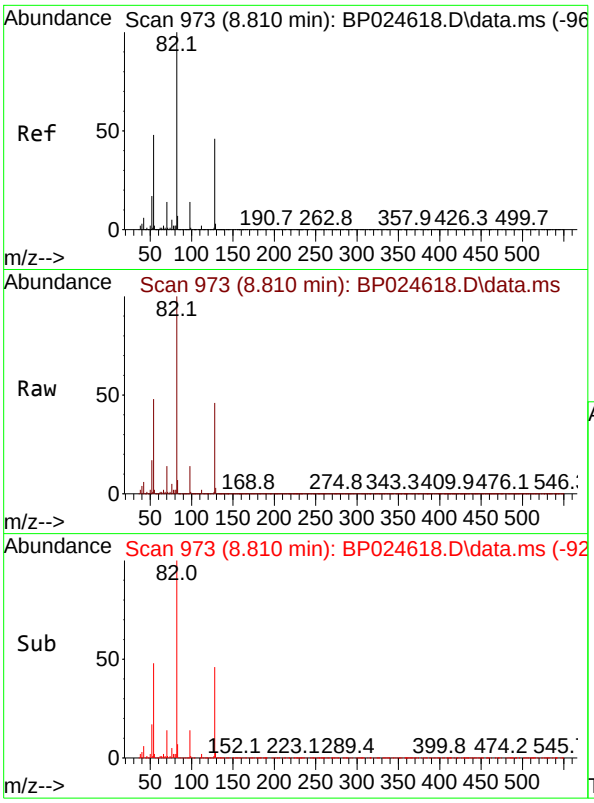


#22
Acetophenone
Concen: 38.637 ng
RT: 8.475 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:105 Resp: 521603

Ion	Ratio	Lower	Upper
105	100		
71	2.5	2.0	3.0
51	25.5	20.4	30.6
120	22.6	18.1	27.1



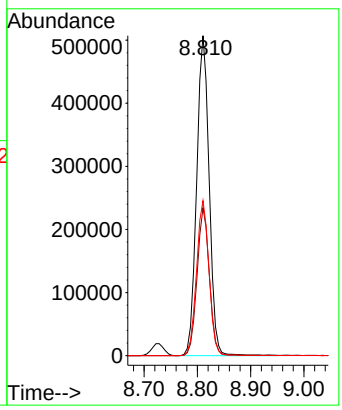


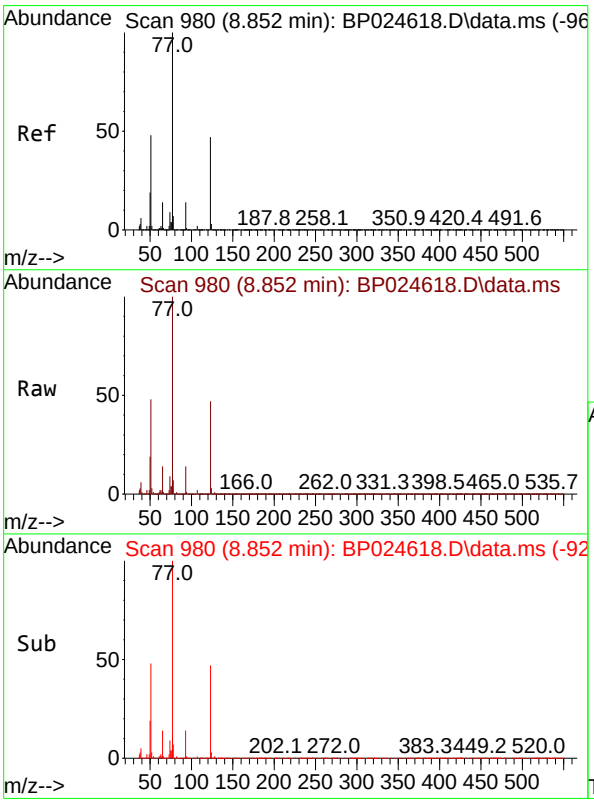
#23
Nitrobenzene-d5
Concen: 77.275 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 826567

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.4
54	48.4	38.7	58.1

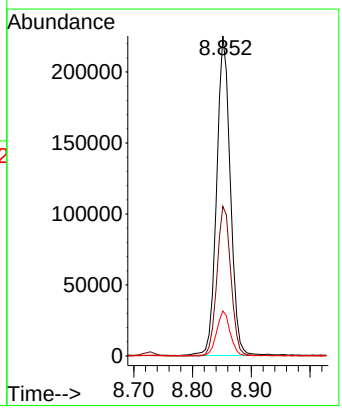


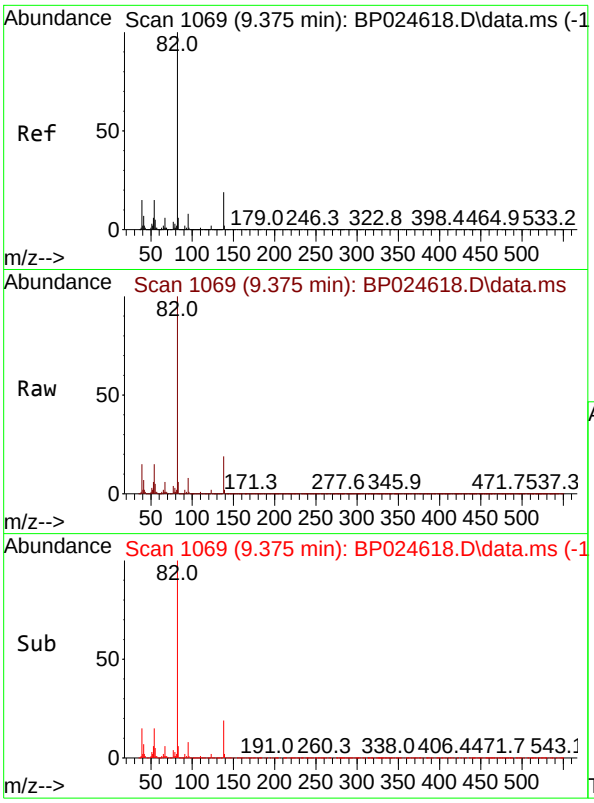


#24
Nitrobenzene
Concen: 38.645 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 363767

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.4	56.0
65	14.1	11.3	16.9



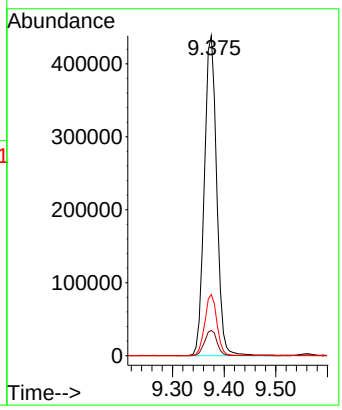


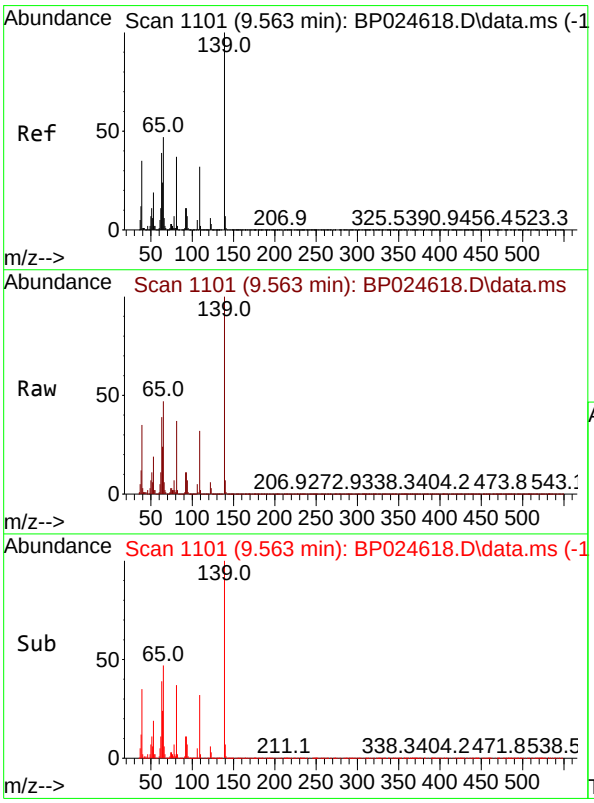
#25
Isophorone
Concen: 39.187 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 727081

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.3	9.5
138	19.1	15.3	22.9

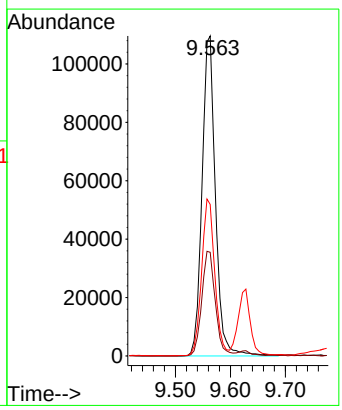


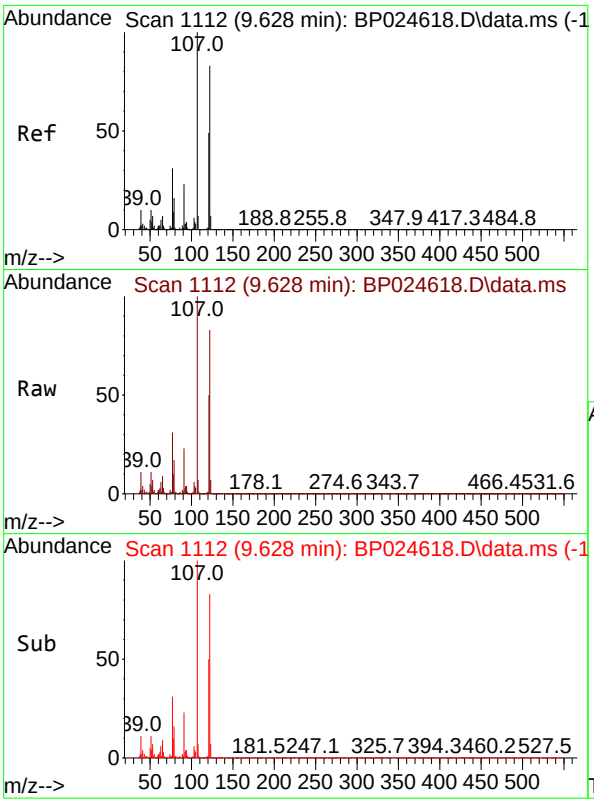


#26
2-Nitrophenol
Concen: 40.236 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 185587

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	47.4	37.9	56.9



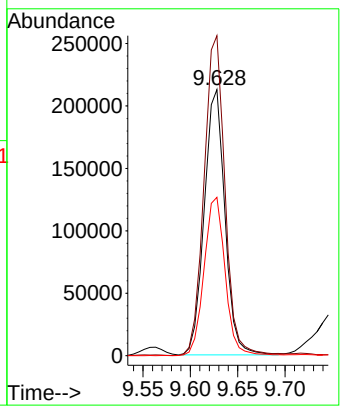


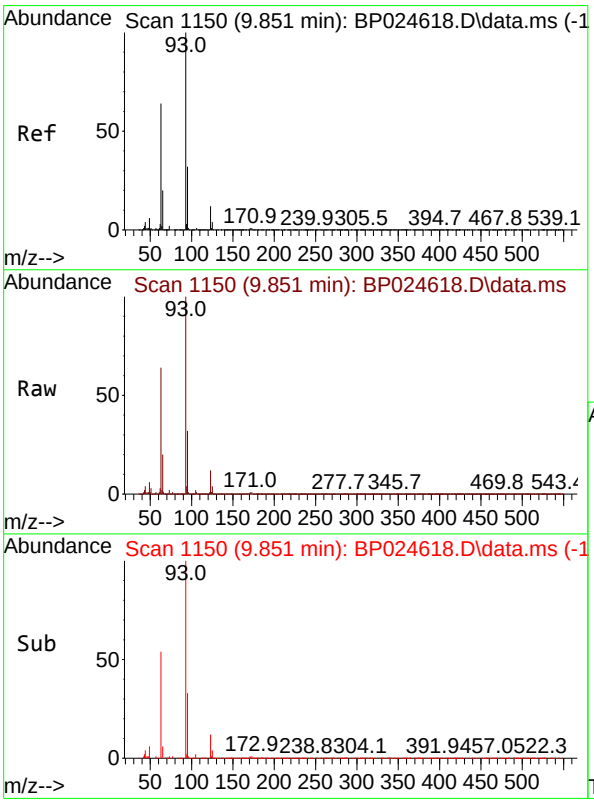
#27
2,4-Dimethylphenol
Concen: 39.623 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 322227

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.2
121	59.5	47.6	71.4

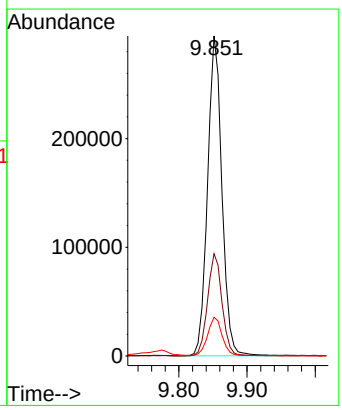


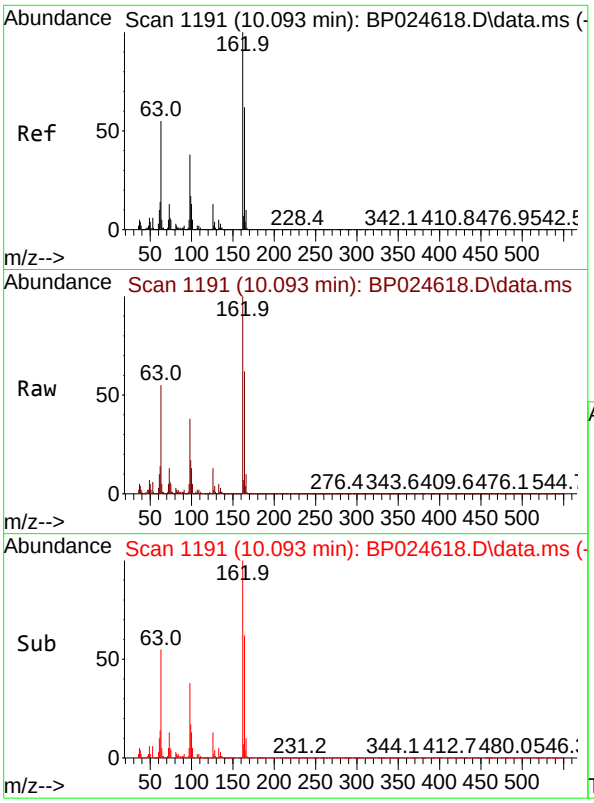


#28
bis(2-Chloroethoxy)methane
Concen: 38.877 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 430958

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	12.1	9.7	14.5



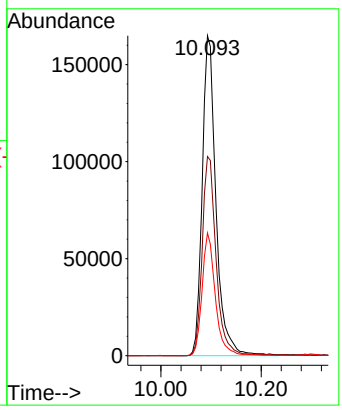


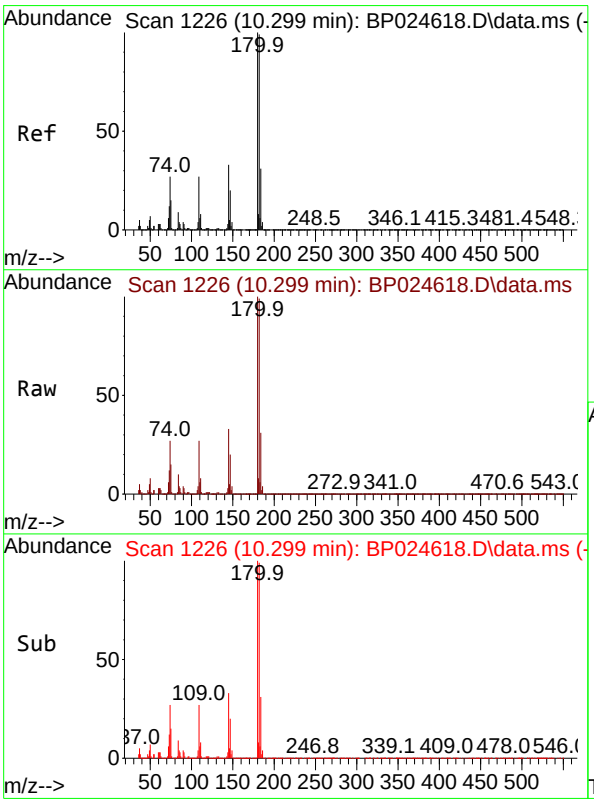
#29
2,4-Dichlorophenol
Concen: 39.950 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 314830

Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.3	82.3
98	38.4	18.4	58.4

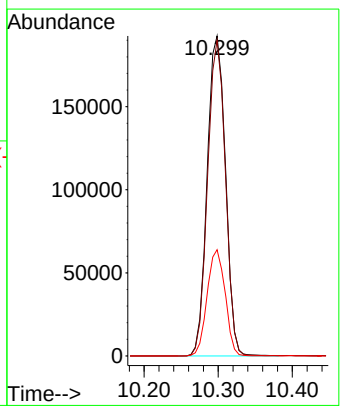


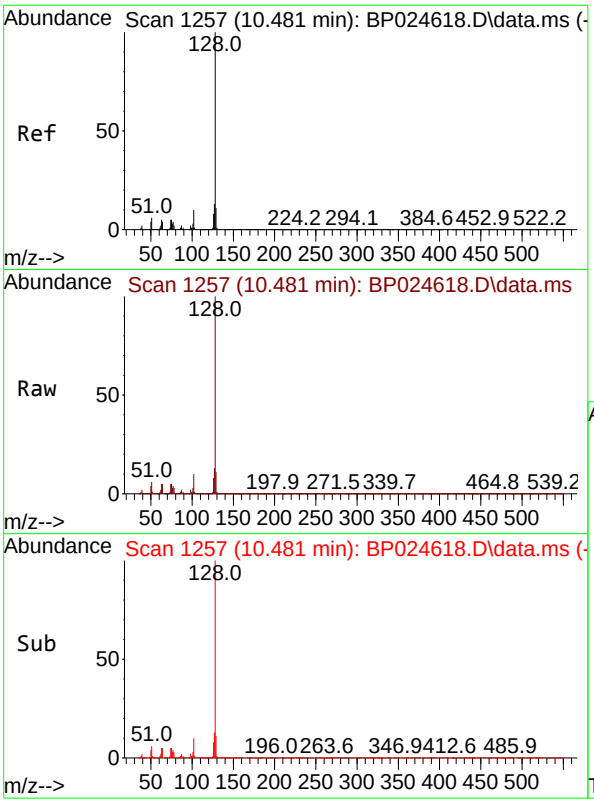


#30
1,2,4-Trichlorobenzene
Concen: 37.234 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:180 Resp: 330659

Ion	Ratio	Lower	Upper
180	100		
182	98.7	79.0	118.4
145	33.2	26.6	39.8



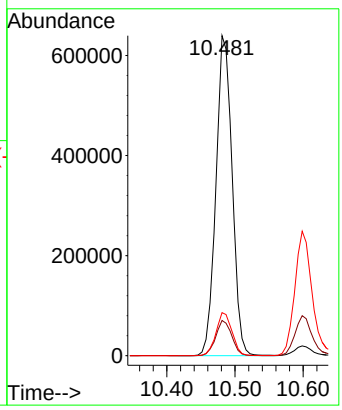


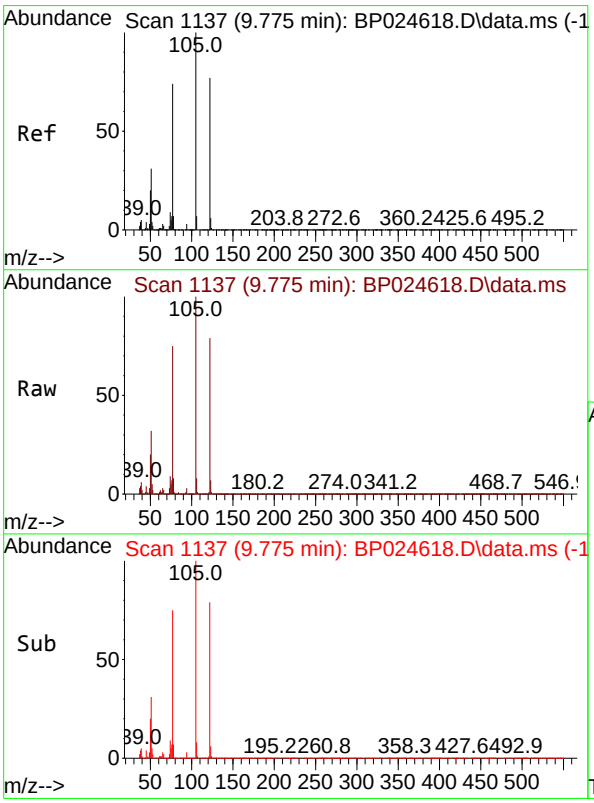
#31
Naphthalene
Concen: 37.824 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1059316

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.7	16.1

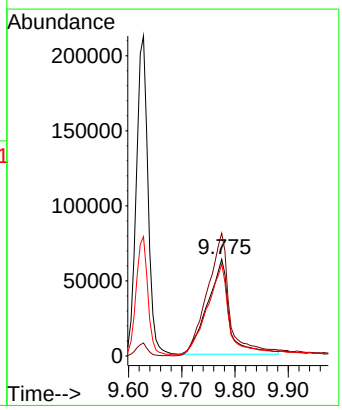


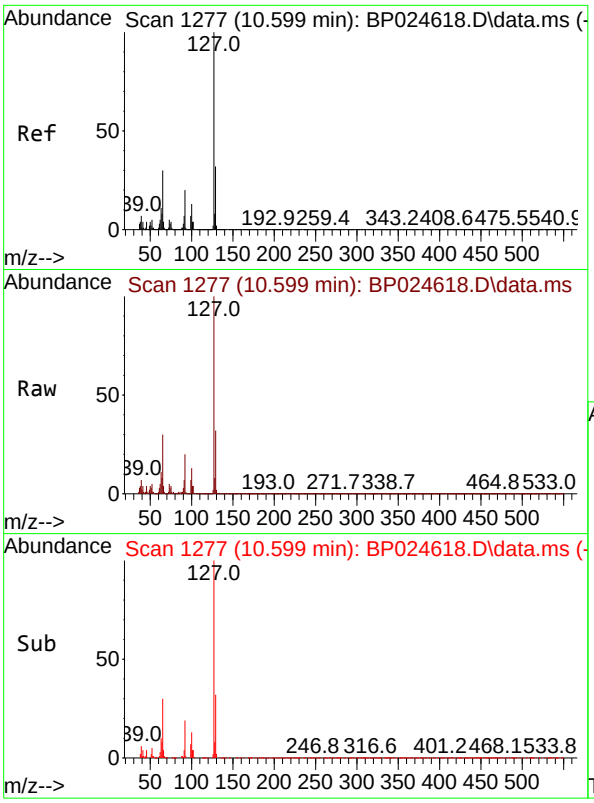


#32
Benzoic acid
Concen: 34.055 ng
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 180610

Ion	Ratio	Lower	Upper
122	100		
105	126.9	106.9	146.9
77	95.1	75.1	115.1



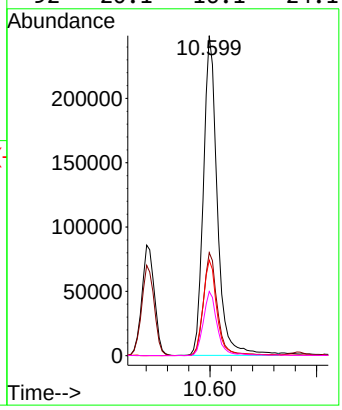


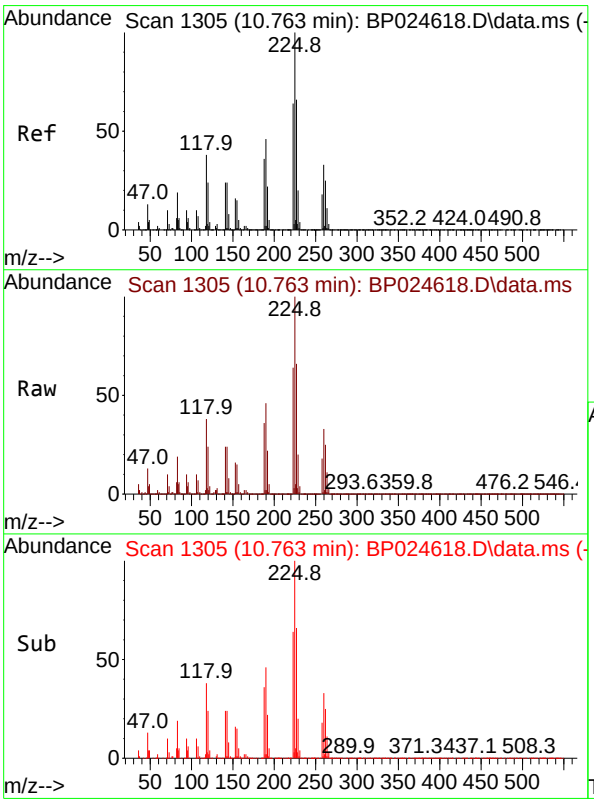
#33
4-Chloroaniline
Concen: 40.008 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 452150

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.9	23.9	35.9
92	20.1	16.1	24.1

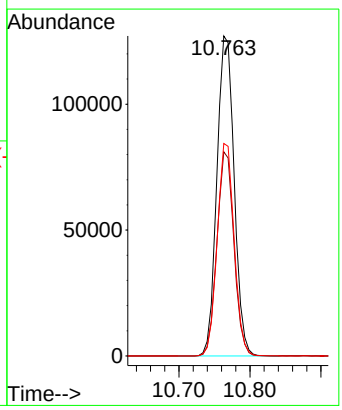


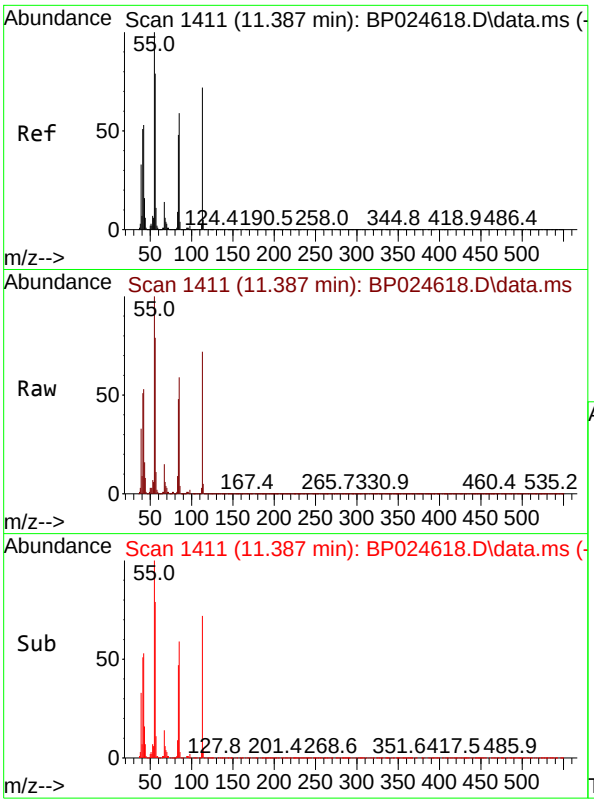


#34
Hexachlorobutadiene
Concen: 37.194 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:225 Resp: 213978

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.6
227	66.4	53.1	79.7



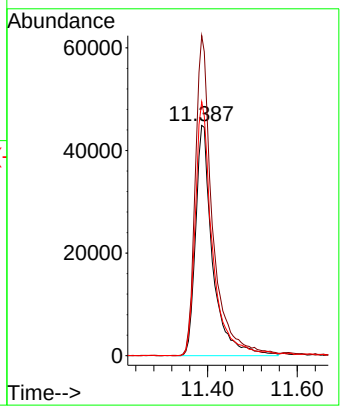


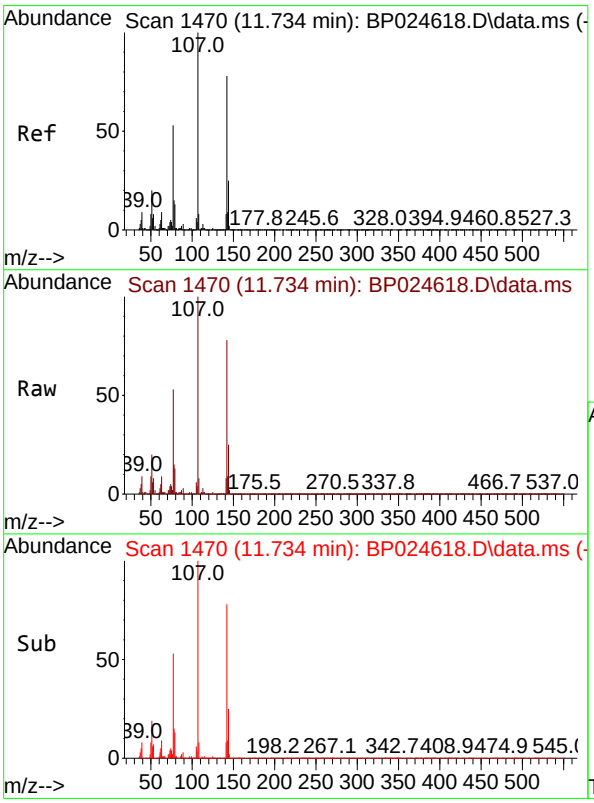
#35
Caprolactam
Concen: 41.426 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 118047

Ion	Ratio	Lower	Upper
113	100		
55	139.0	119.0	159.0
56	110.3	90.3	130.3

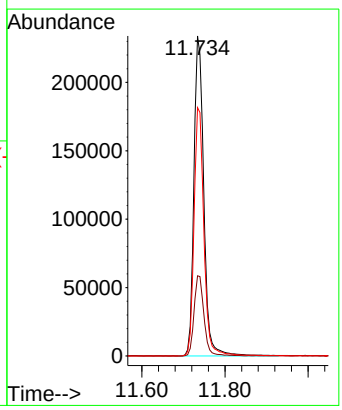


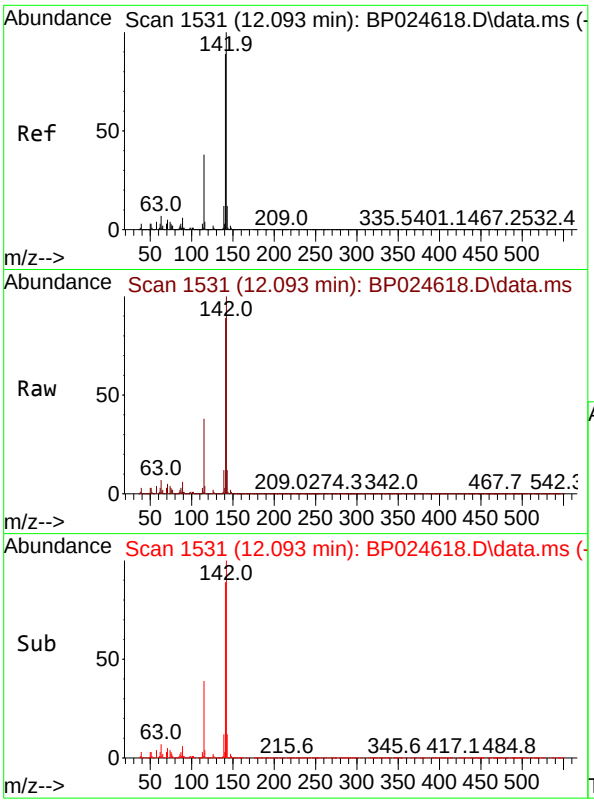


#36
4-Chloro-3-methylphenol
Concen: 40.069 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 385077

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.1	30.1
142	77.6	62.1	93.1



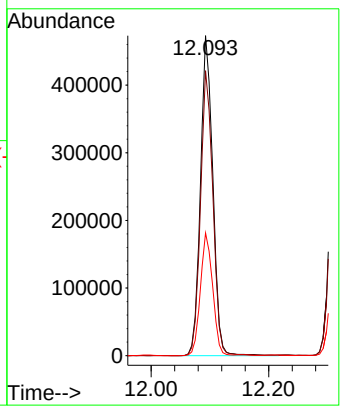


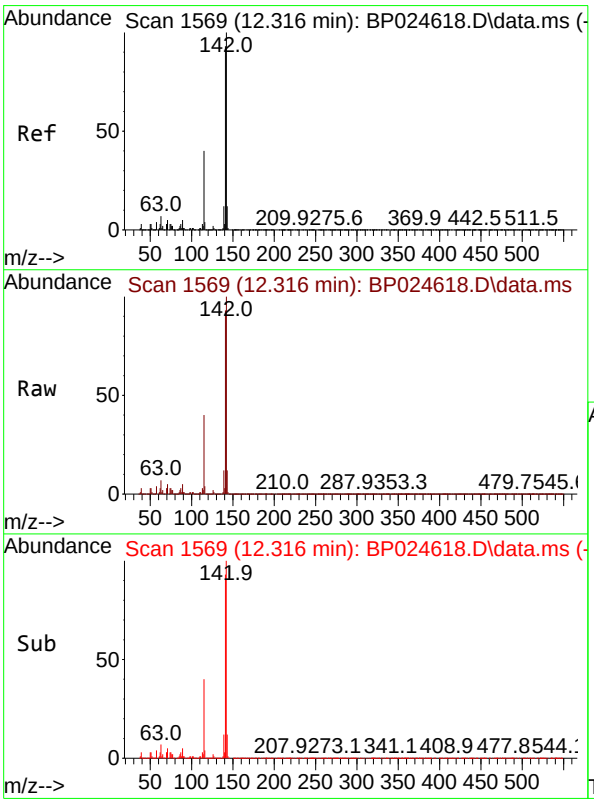
#37
2-Methylnaphthalene
Concen: 38.166 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 692133

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	38.3	30.6	46.0

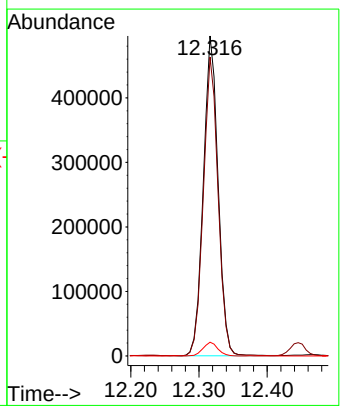


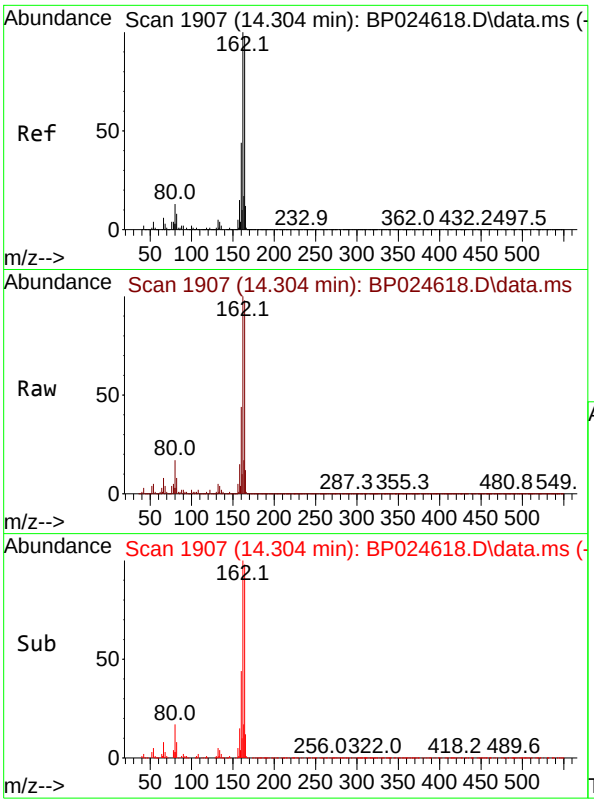


#38
1-Methylnaphthalene
Concen: 38.439 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 745849

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.3	3.4	5.2



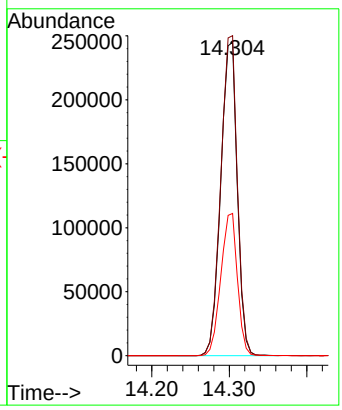


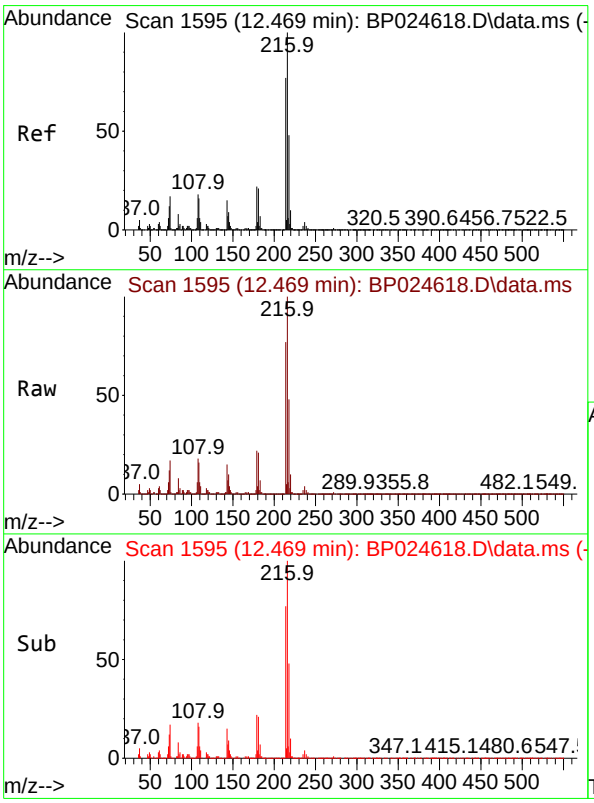
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 362458

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.4	36.3	54.5

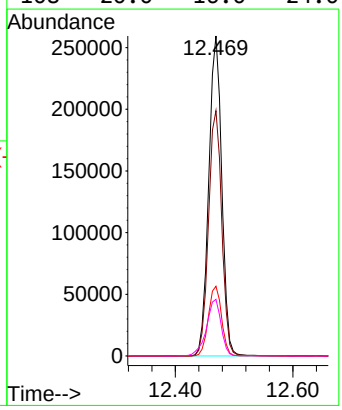


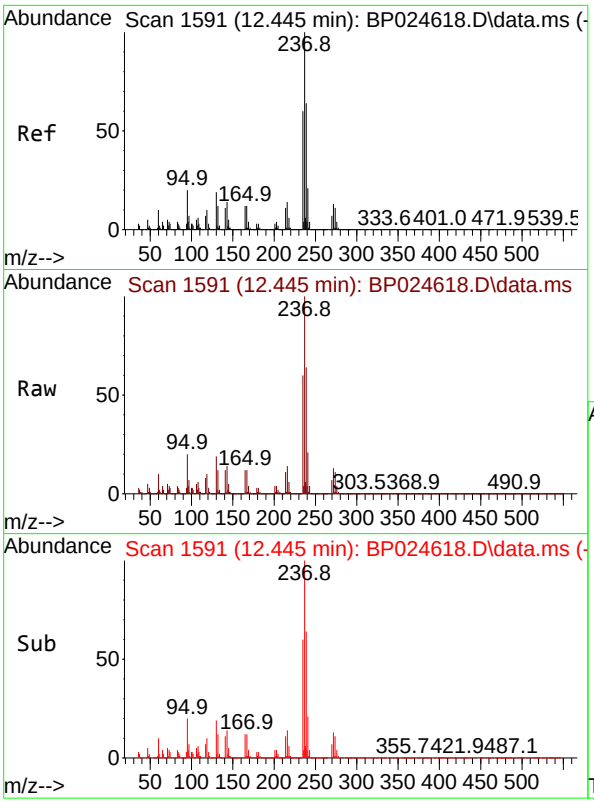


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.835 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:216 Resp: 398230

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.1	17.7	26.5
108	20.0	16.0	24.0



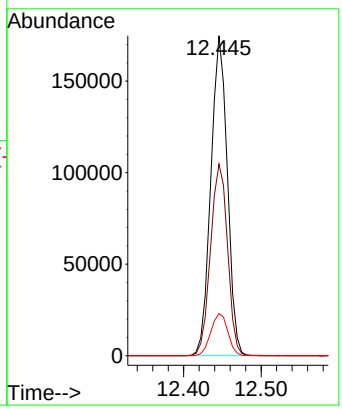


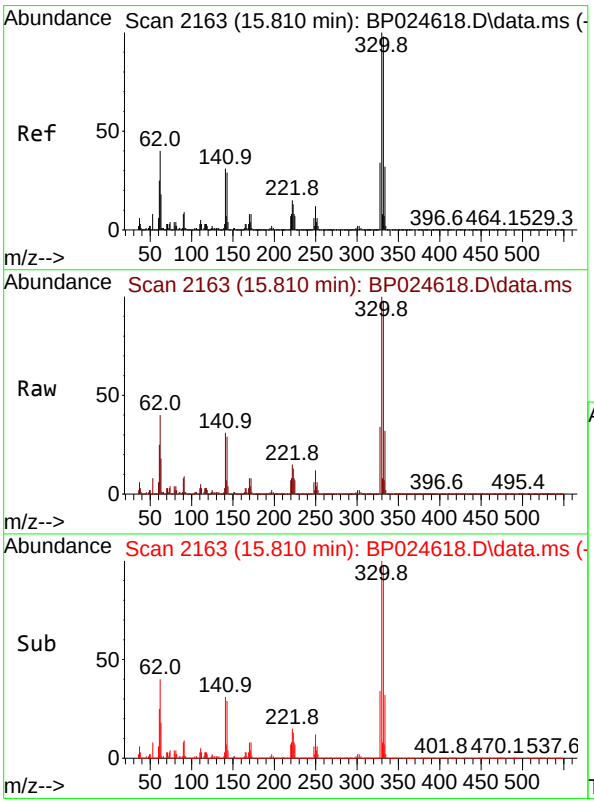
#41
Hexachlorocyclopentadiene
Concen: 40.476 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 258329

Ion	Ratio	Lower	Upper
237	100		
235	59.9	39.9	79.9
272	13.2	0.0	33.2

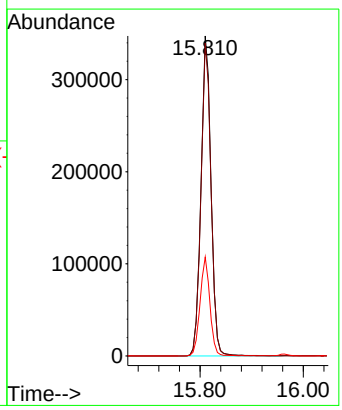


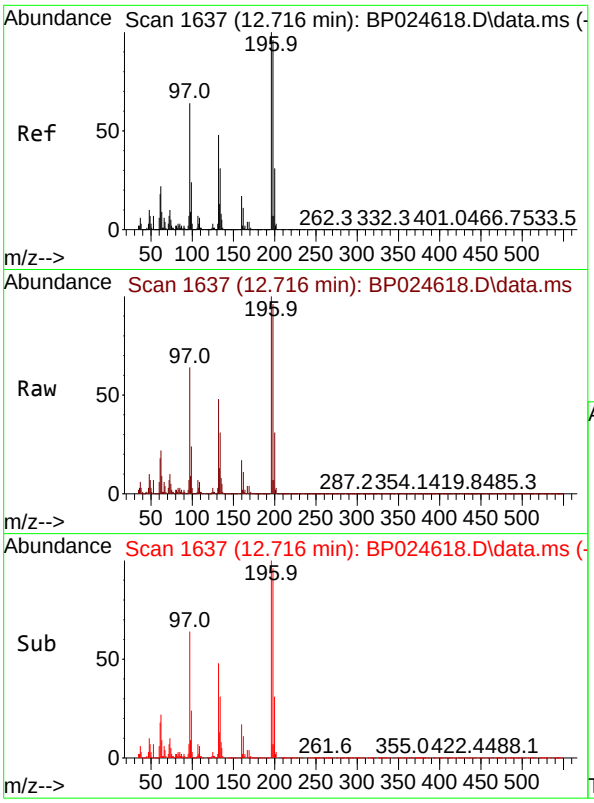


#42
2,4,6-Tribromophenol
Concen: 76.132 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:330 Resp: 467808

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	30.4	24.3	36.5



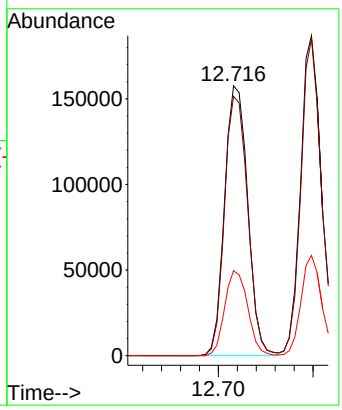


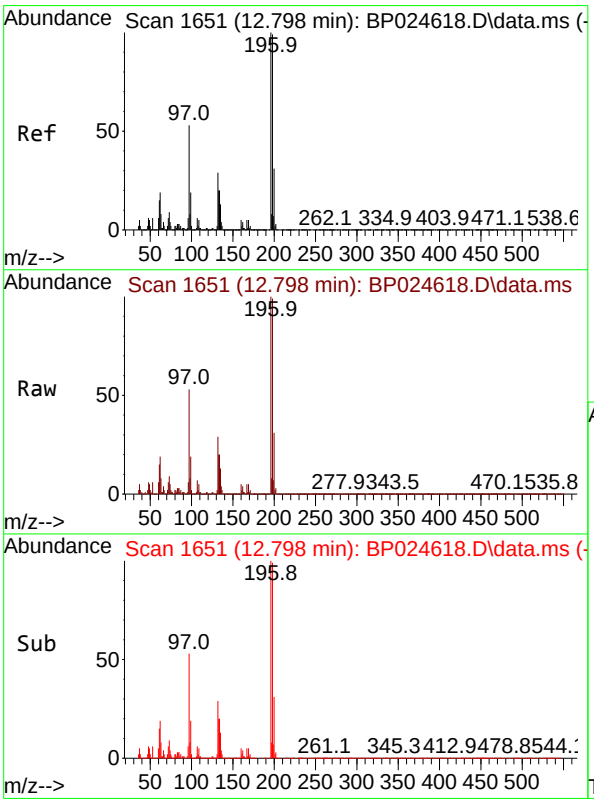
#43
2,4,6-Trichlorophenol
Concen: 39.410 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 268675

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	31.5	25.2	37.8

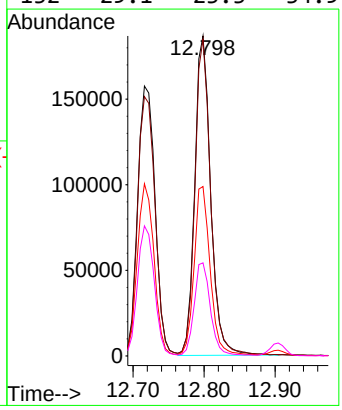


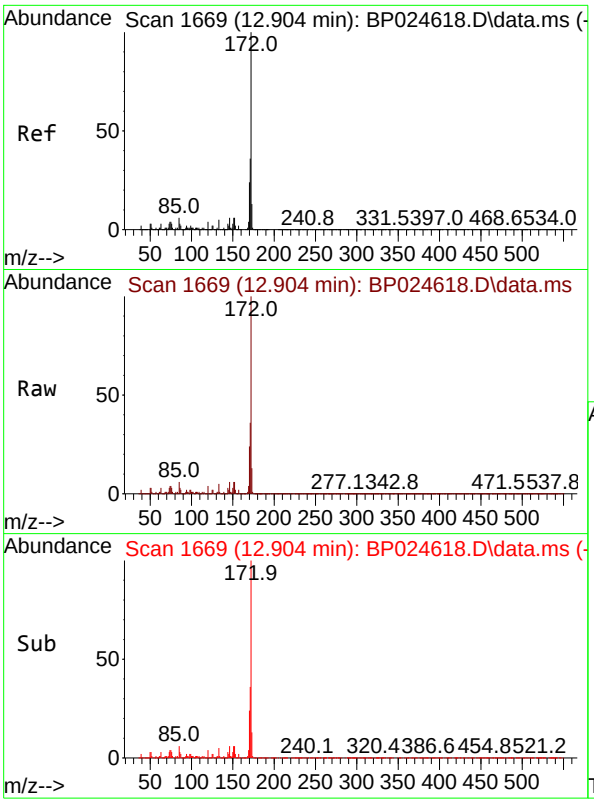


#44
2,4,5-Trichlorophenol
Concen: 38.621 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 293079

Ion	Ratio	Lower	Upper
196	100		
198	99.0	79.2	118.8
97	52.9	42.3	63.5
132	29.1	23.3	34.9



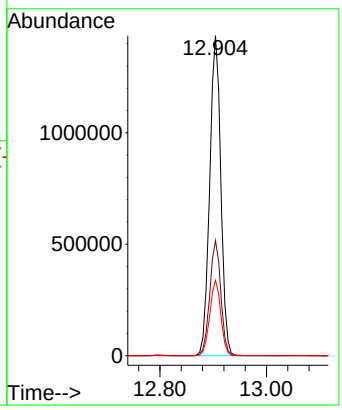


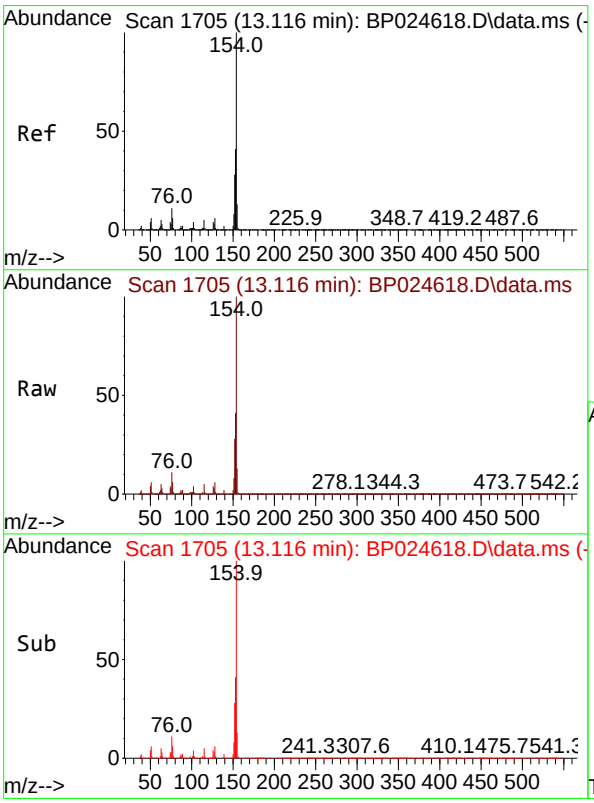
#45
2-Fluorobiphenyl
Concen: 75.051 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2076354

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	18.8	28.2

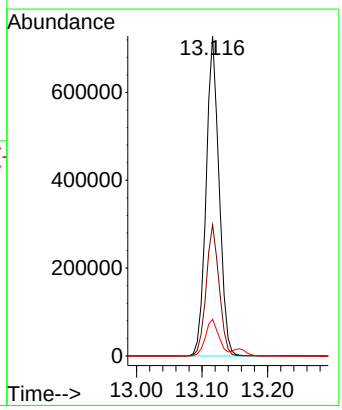


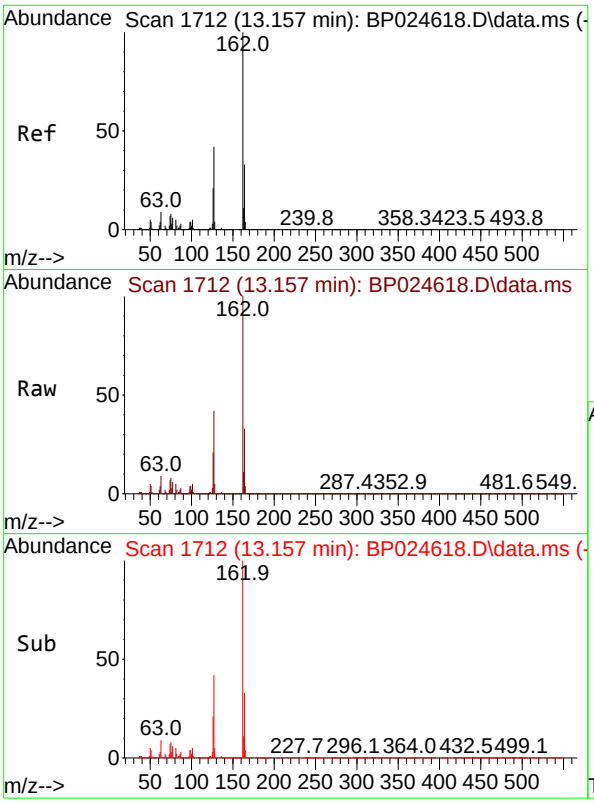


#46
1,1'-Biphenyl
Concen: 37.415 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 1002344

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.0	61.0
76	11.5	0.0	31.5



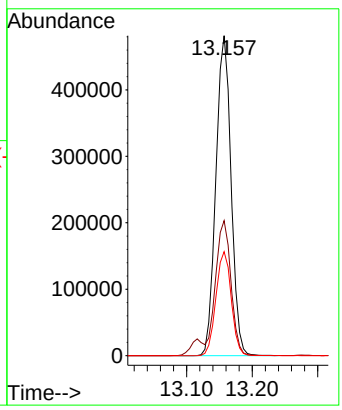


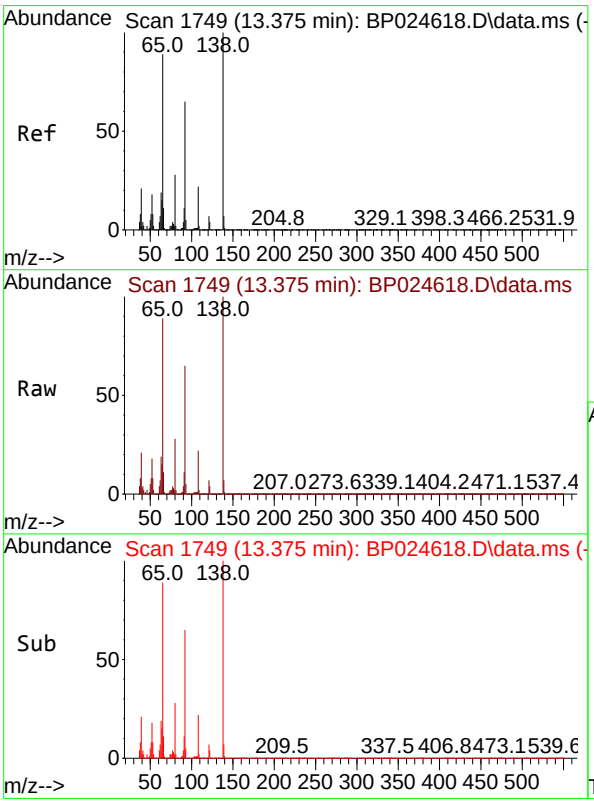
#47
2-Chloronaphthalene
Concen: 37.792 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 771952

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.5	26.0	39.0

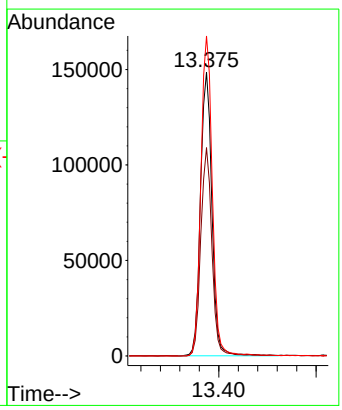


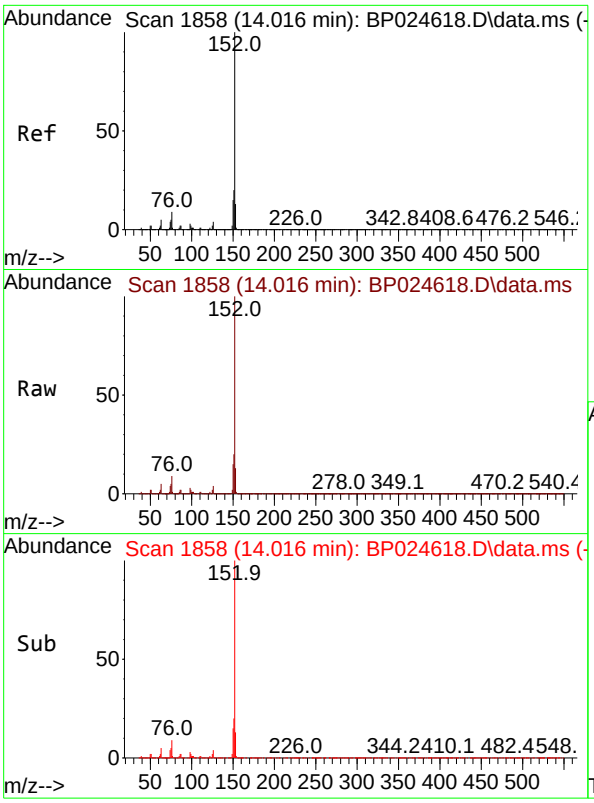


#48
2-Nitroaniline
Concen: 40.097 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 65 Resp: 242485

Ion	Ratio	Lower	Upper
65	100		
92	73.4	58.7	88.1
138	112.7	90.2	135.2



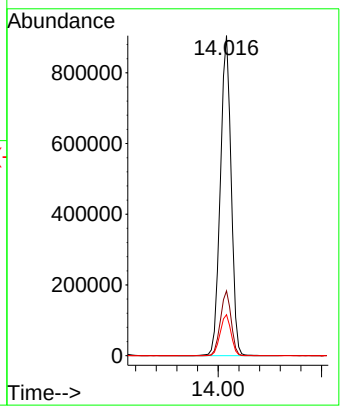


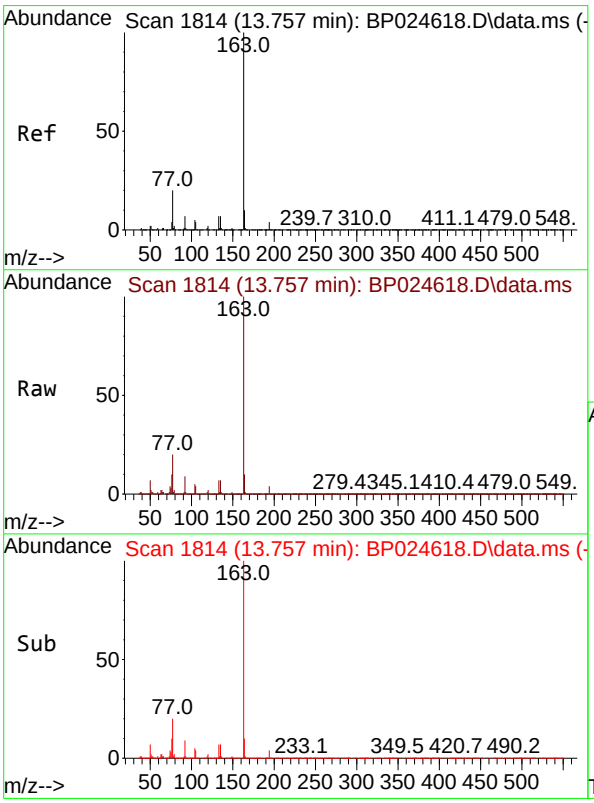
#49
Acenaphthylene
Concen: 38.257 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1307740

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	12.8	10.2	15.4

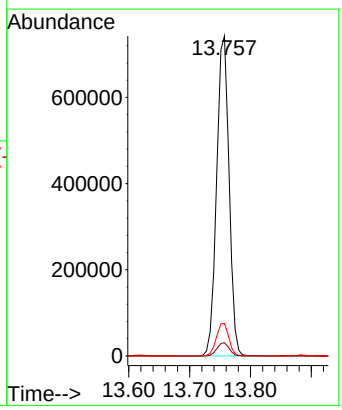


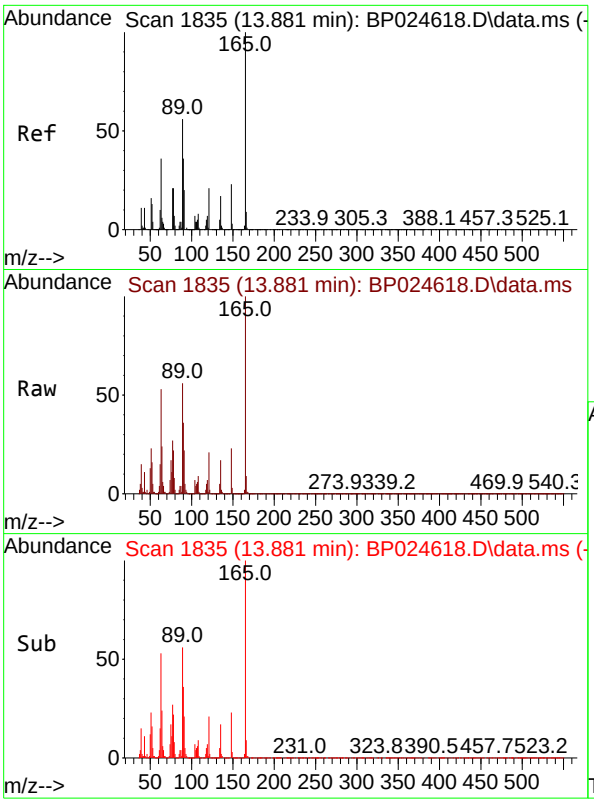


#50
Dimethylphthalate
Concen: 38.045 ng
RT: 13.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:163 Resp: 1051056

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.1	12.1



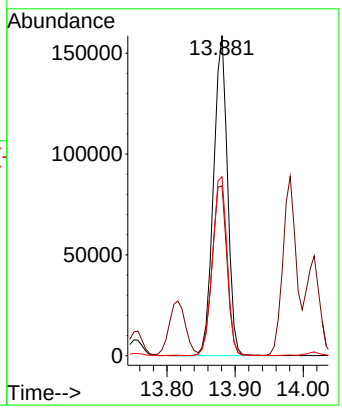


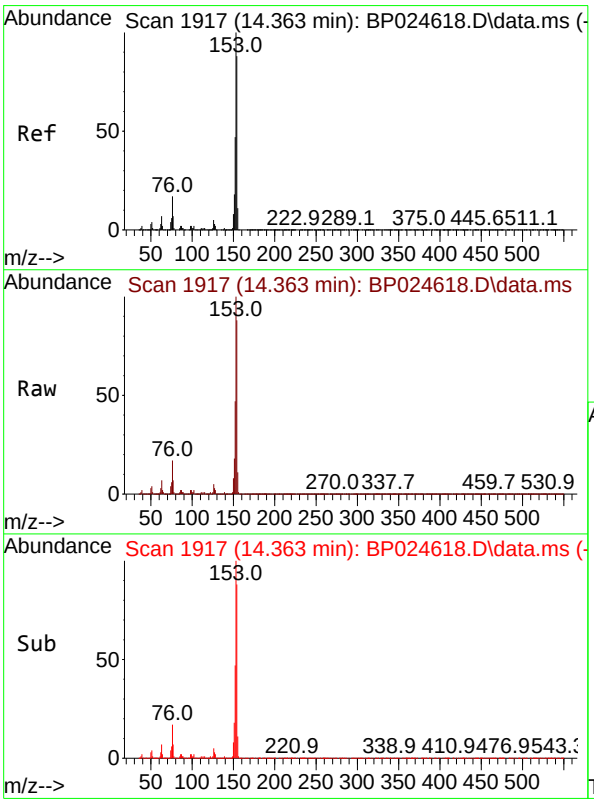
#51
2,6-Dinitrotoluene
Concen: 38.749 ng
RT: 13.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 226086

Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.4	63.6
89	56.0	44.8	67.2

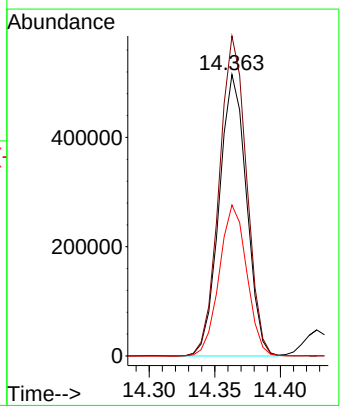


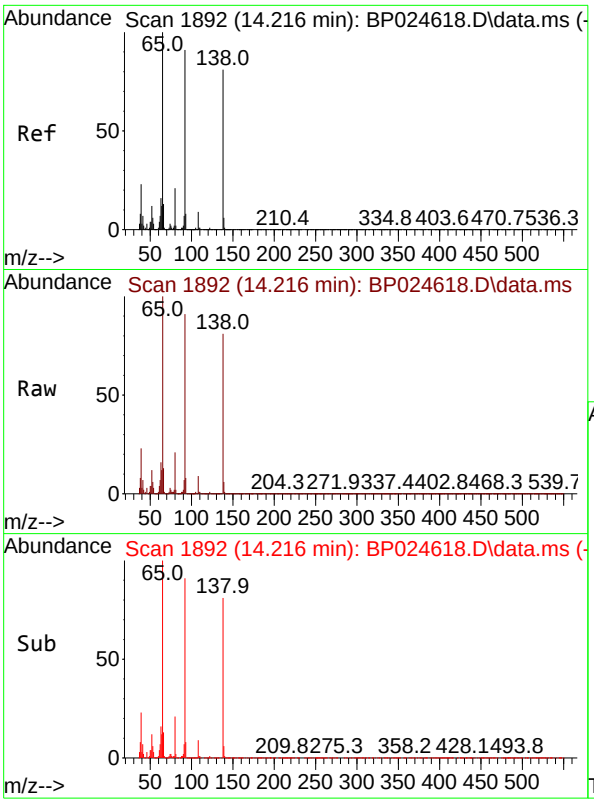


#52
Acenaphthene
Concen: 37.928 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 745335

Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	53.6	42.9	64.3



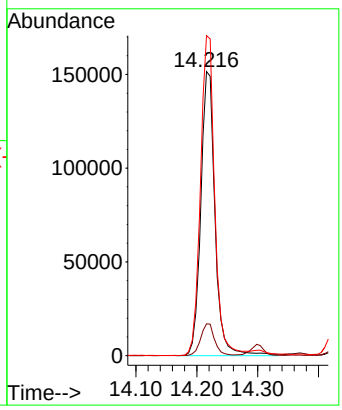


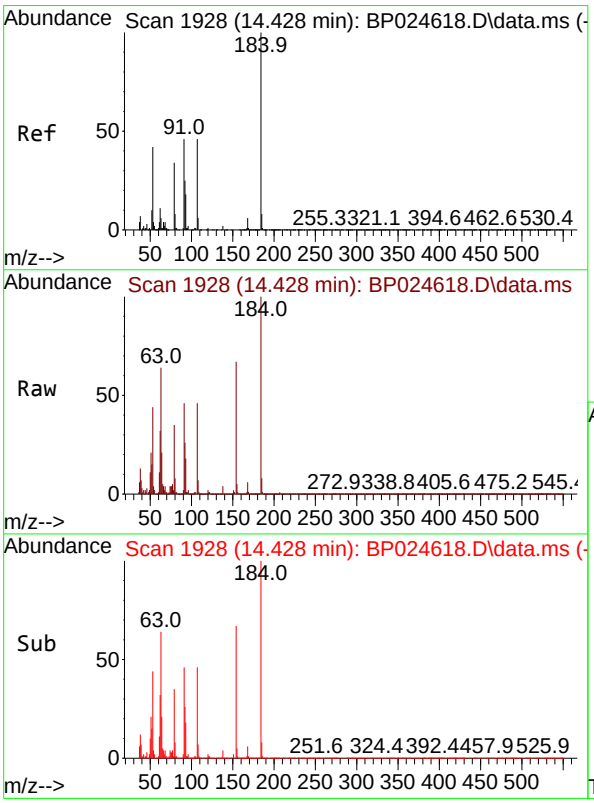
#53
3-Nitroaniline
Concen: 41.386 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 246561

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	112.6	90.1	135.1

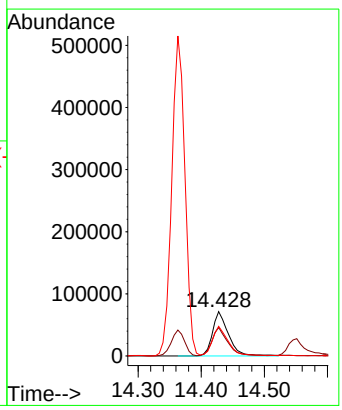


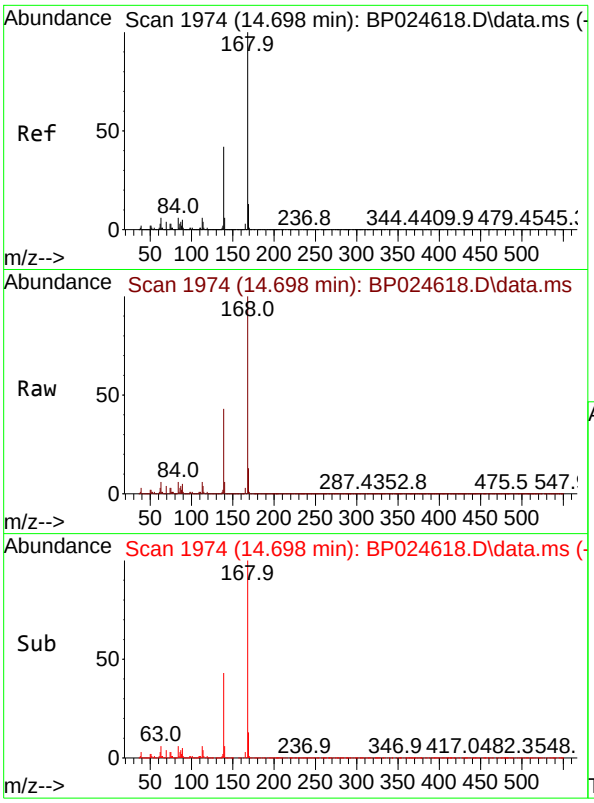


#54
2,4-Dinitrophenol
Concen: 37.537 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 124517

Ion	Ratio	Lower	Upper
184	100		
63	64.1	51.3	76.9
154	66.9	53.5	80.3



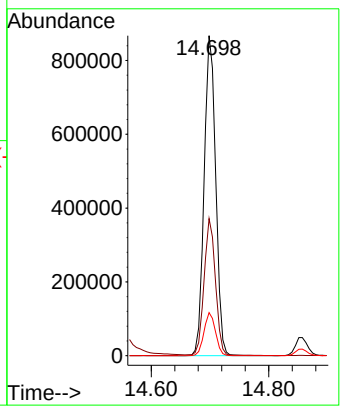


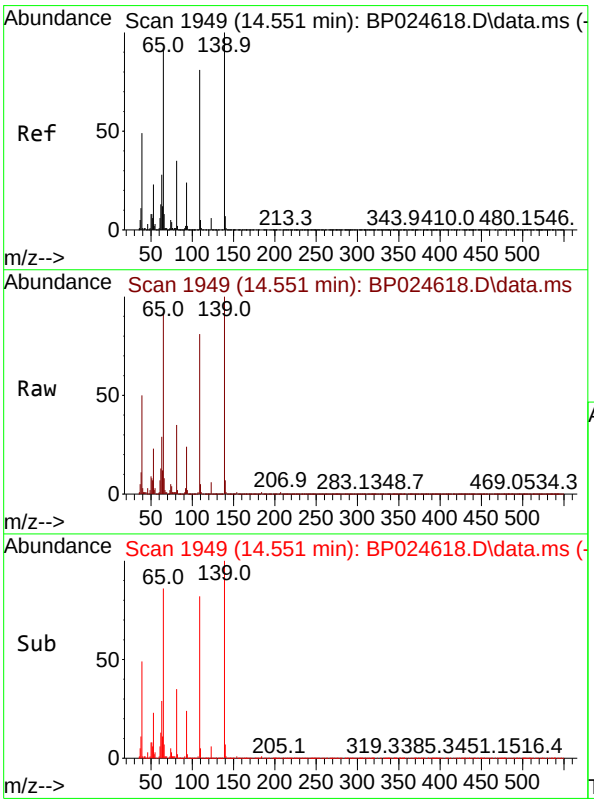
#55
Dibenzofuran
Concen: 37.767 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1183806

Ion	Ratio	Lower	Upper
168	100		
139	42.8	34.2	51.4
169	13.5	10.8	16.2

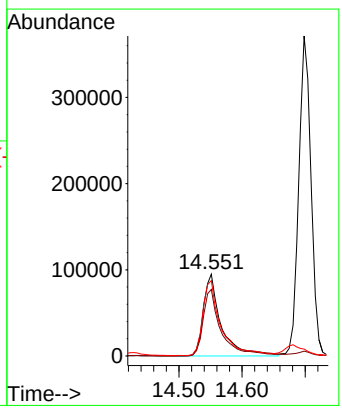


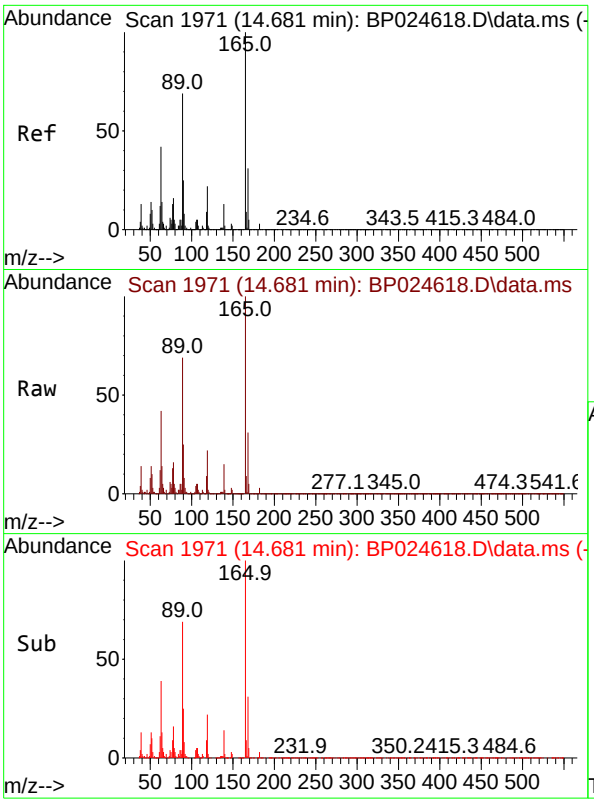


#56
4-Nitrophenol
Concen: 38.408 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 186112

Ion	Ratio	Lower	Upper
139	100		
109	81.4	61.4	101.4
65	92.2	72.2	112.2



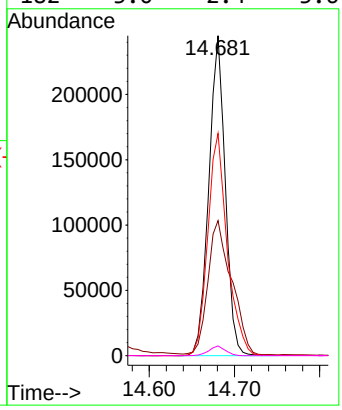


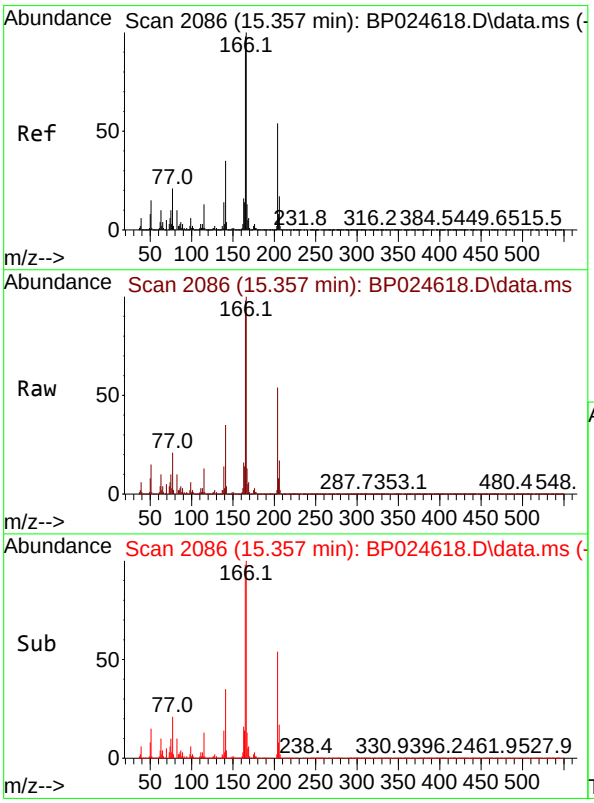
#57
2,4-Dinitrotoluene
Concen: 40.015 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 329156

Ion	Ratio	Lower	Upper
165	100		
63	42.2	33.8	50.6
89	69.5	55.6	83.4
182	3.0	2.4	3.6

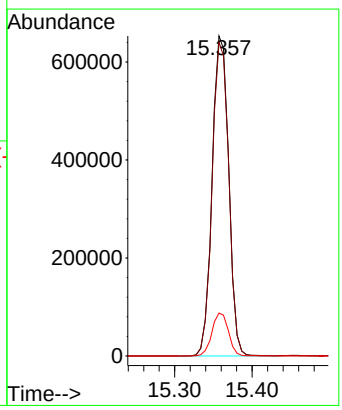


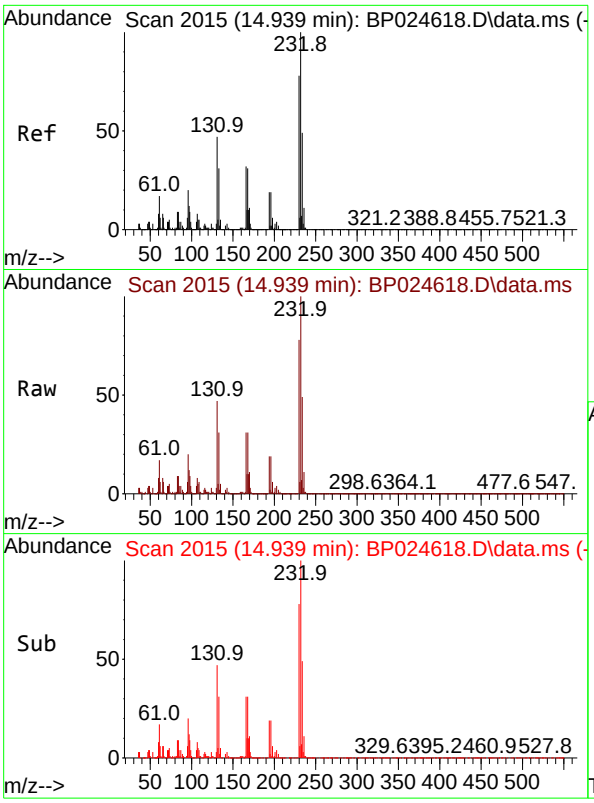


#58
Fluorene
Concen: 37.893 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:166 Resp: 968487

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	13.4	10.7	16.1



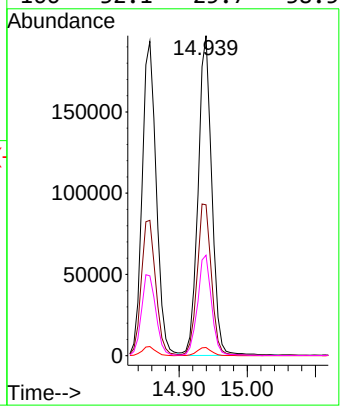


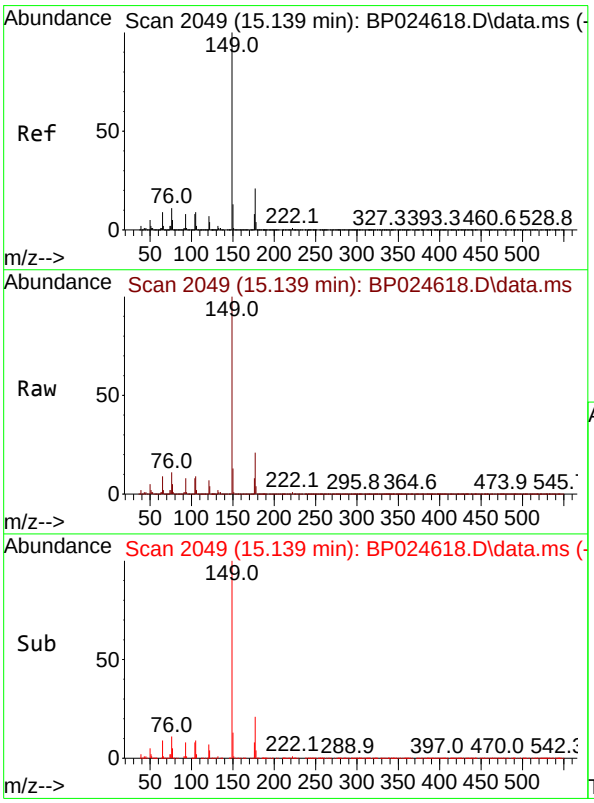
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.977 ng
RT: 14.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 274384

Ion	Ratio	Lower	Upper
232	100		
131	49.4	39.5	59.3
130	2.8	2.2	3.4
166	32.1	25.7	38.5

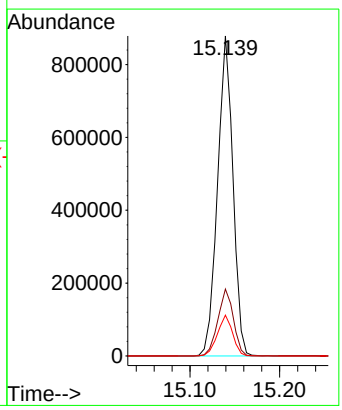


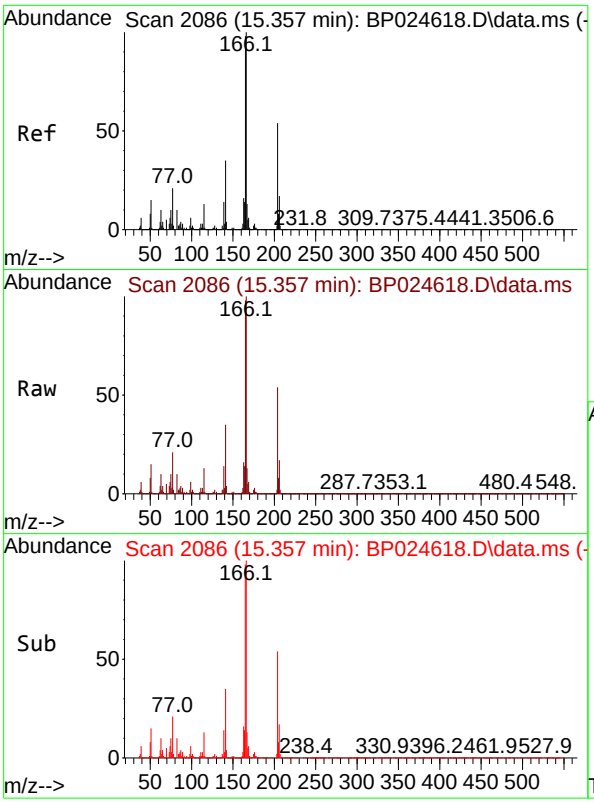


#60
Diethylphthalate
Concen: 37.478 ng
RT: 15.139 min Scan# 2049
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1046478

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.7	25.1
150	12.7	10.2	15.2



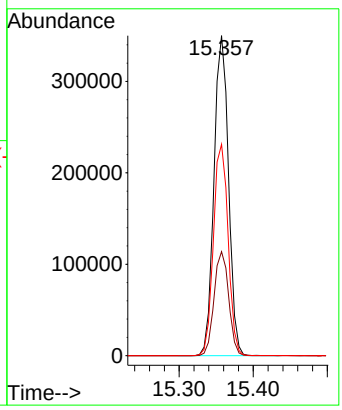


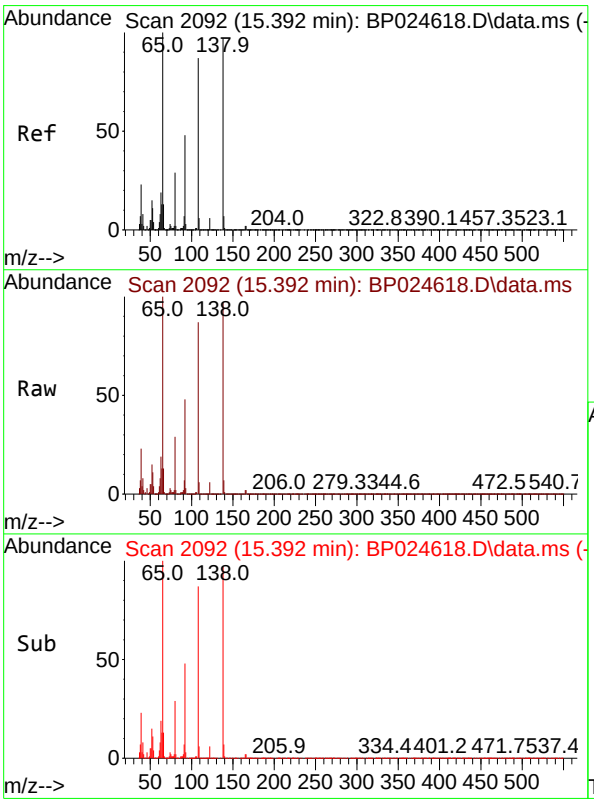
#61
4-Chlorophenyl-phenylether
Concen: 37.292 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 475327

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.0	39.0
141	66.1	52.9	79.3

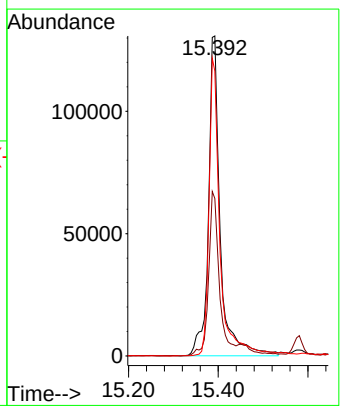


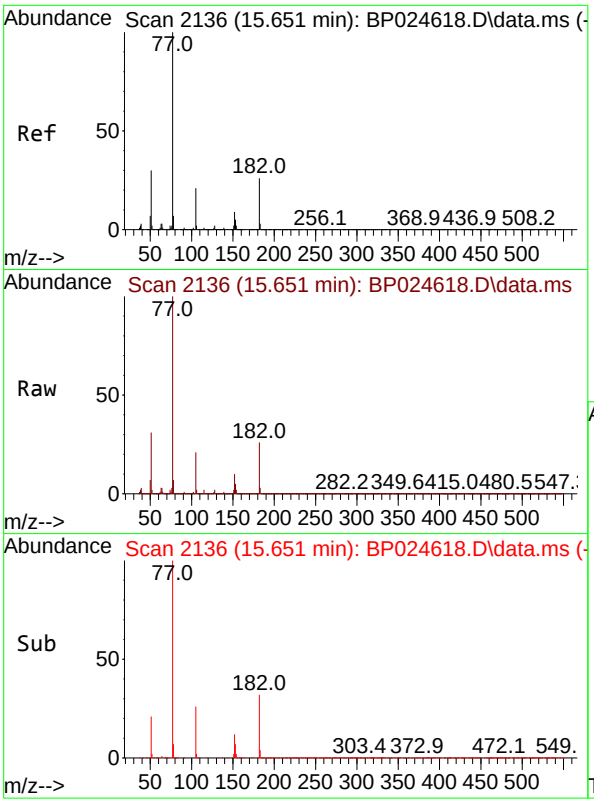


#62
4-Nitroaniline
Concen: 41.240 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 239212

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	89.0	69.0	109.0



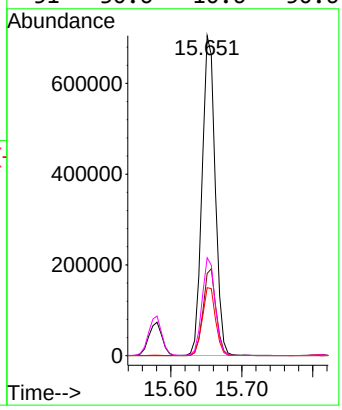


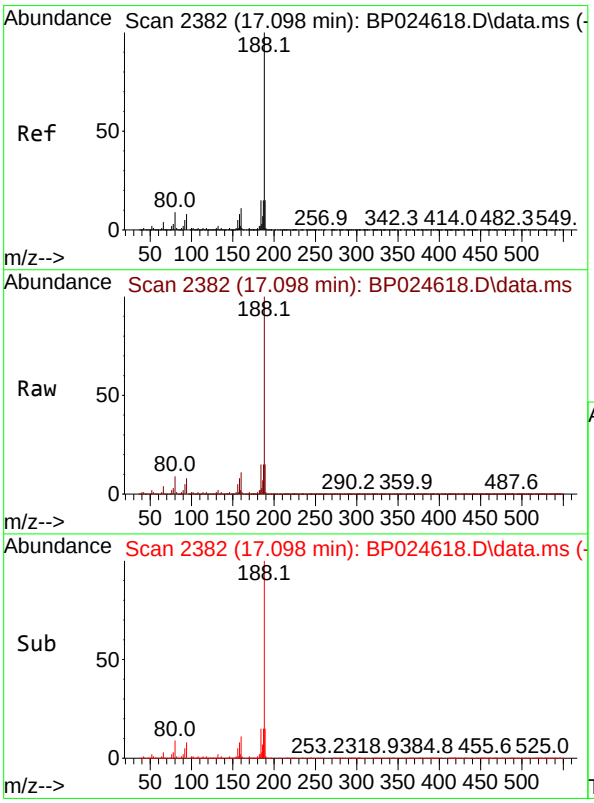
#63
Azobenzene
Concen: 37.940 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 906274

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.7	45.7
105	21.3	1.3	41.3
51	30.6	10.6	50.6

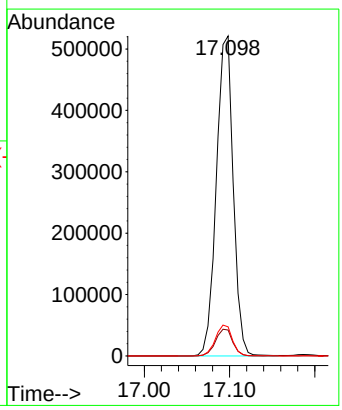


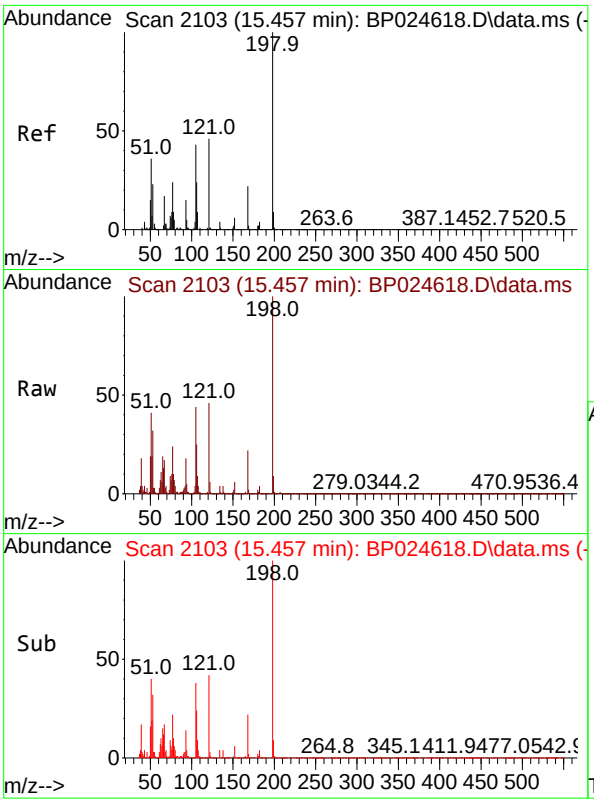


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:188 Resp: 717362

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	9.1	7.3	10.9



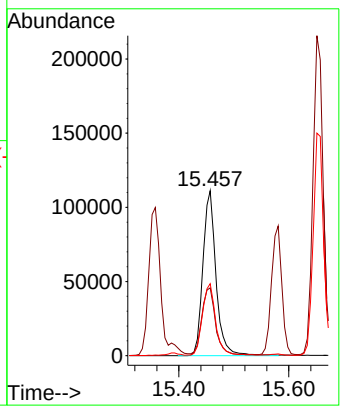


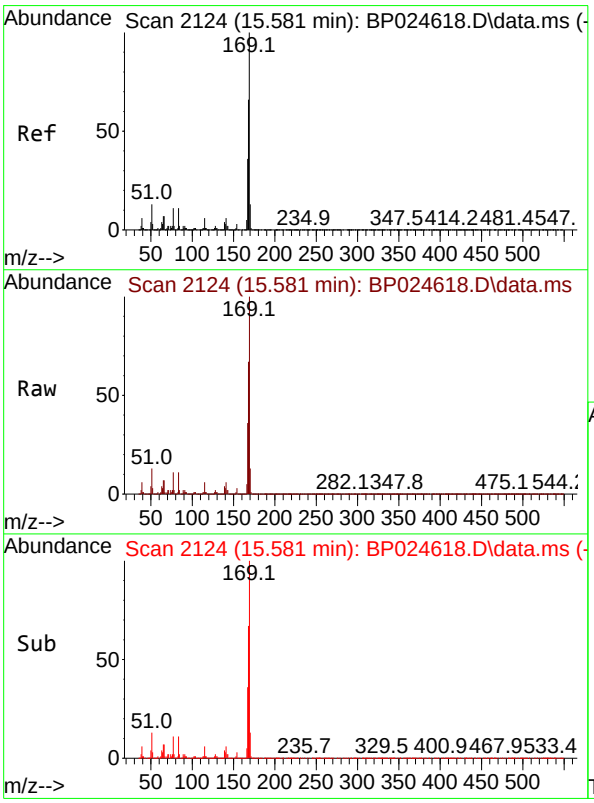
#65
4,6-Dinitro-2-methylphenol
Concen: 39.837 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 184593

Ion	Ratio	Lower	Upper
198	100		
51	41.1	21.1	61.1
105	43.6	23.6	63.6

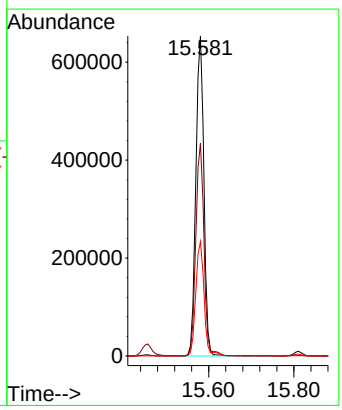


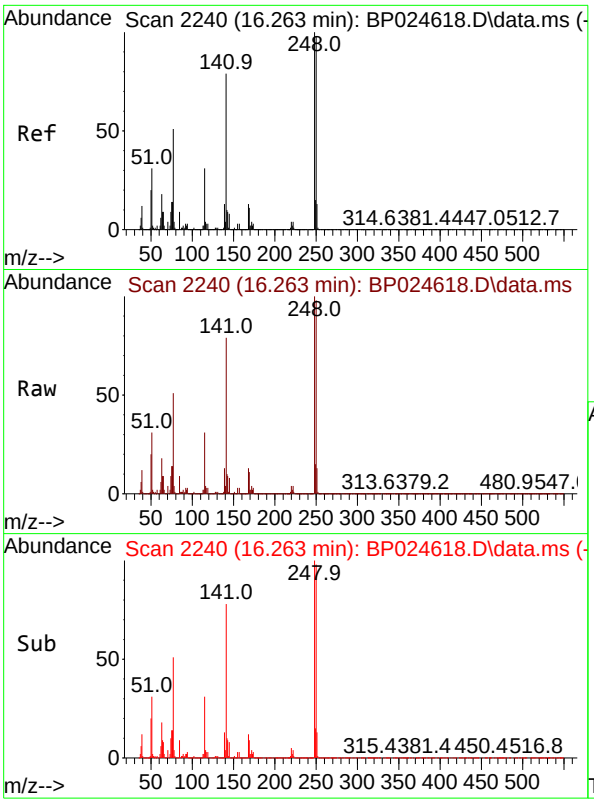


#66
n-Nitrosodiphenylamine
Concen: 38.630 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:169 Resp: 851188

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.8	28.6	43.0



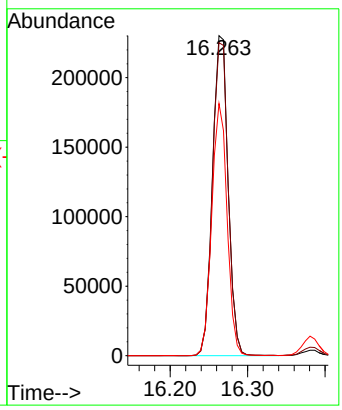


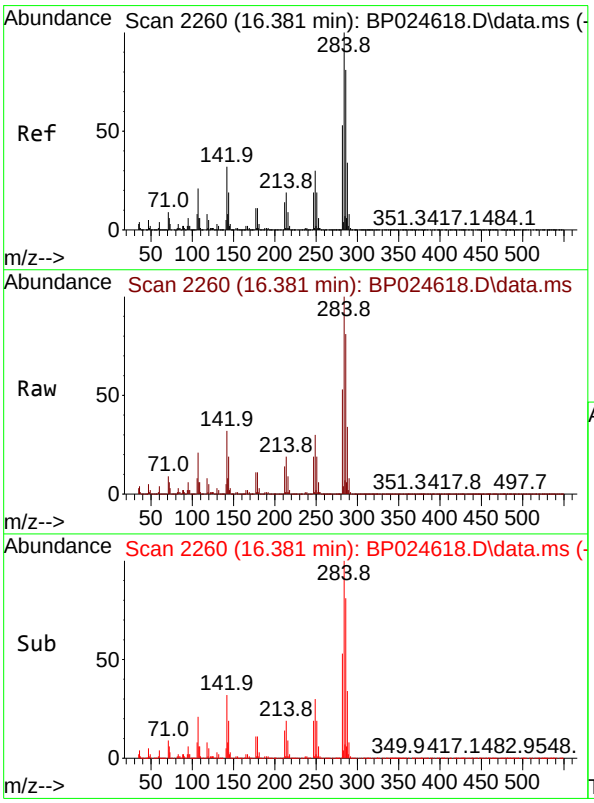
#67
4-Bromophenyl-phenylether
Concen: 38.277 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 323558

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	78.8	63.0	94.6

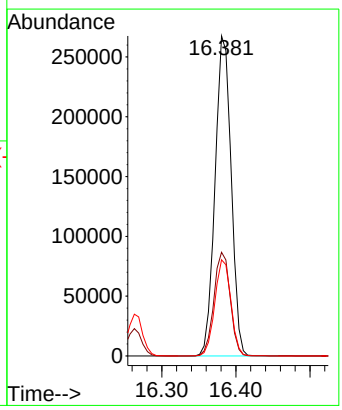


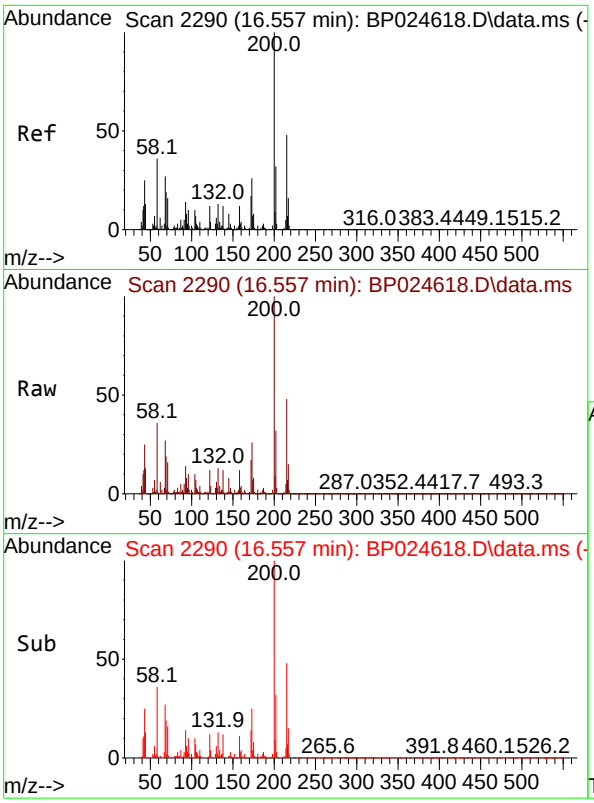


#68
Hexachlorobenzene
Concen: 37.605 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:284 Resp: 403916

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.9	38.9
249	30.1	24.1	36.1



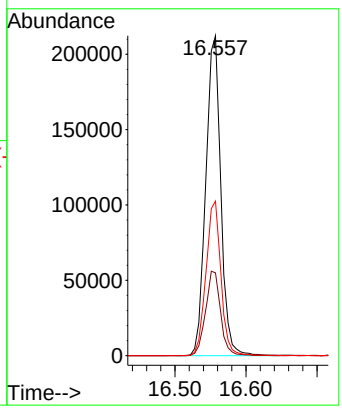


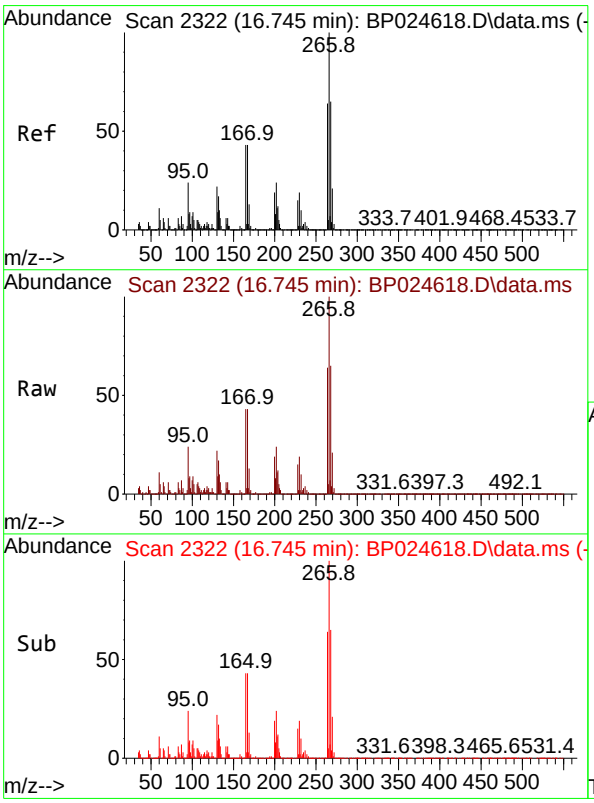
#69
Atrazine
Concen: 38.666 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 312226

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	48.3	28.3	68.3

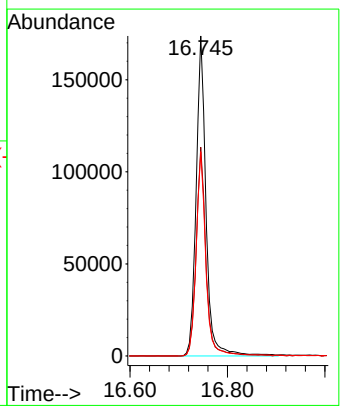


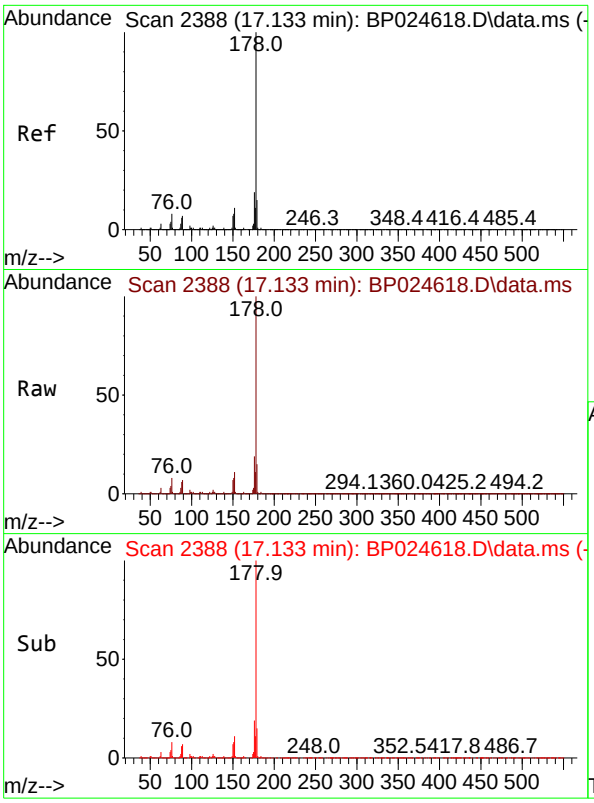


#70
Pentachlorophenol
Concen: 40.913 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:266 Resp: 246828

Ion	Ratio	Lower	Upper
266	100		
268	65.3	52.2	78.4
264	63.9	51.1	76.7



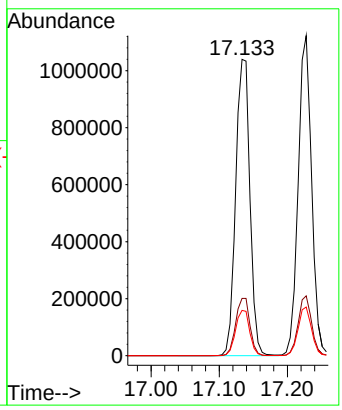


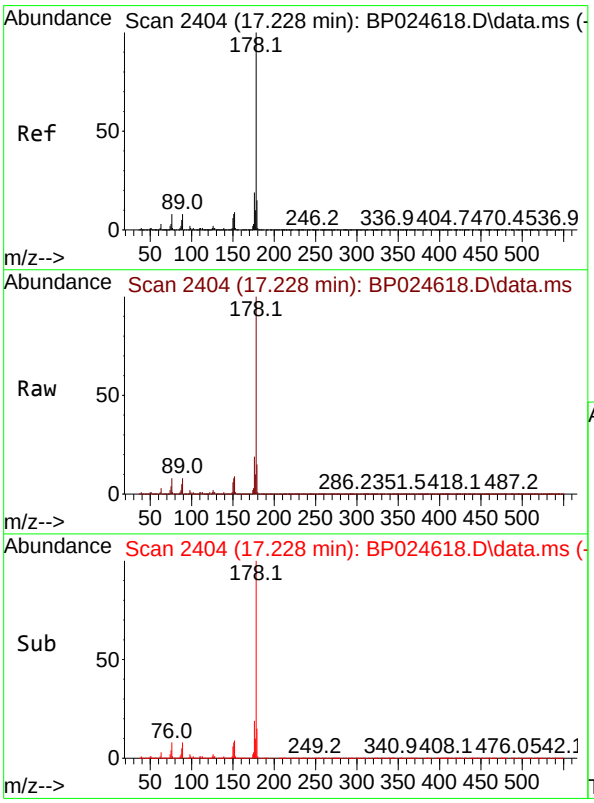
#71
Phenanthrene
Concen: 37.804 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1507602

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.2	18.4

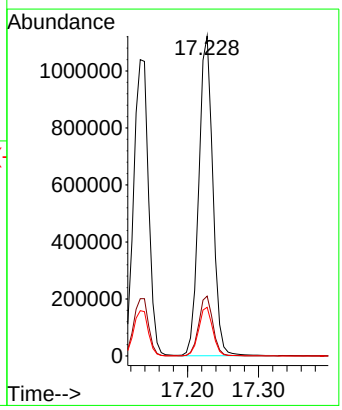


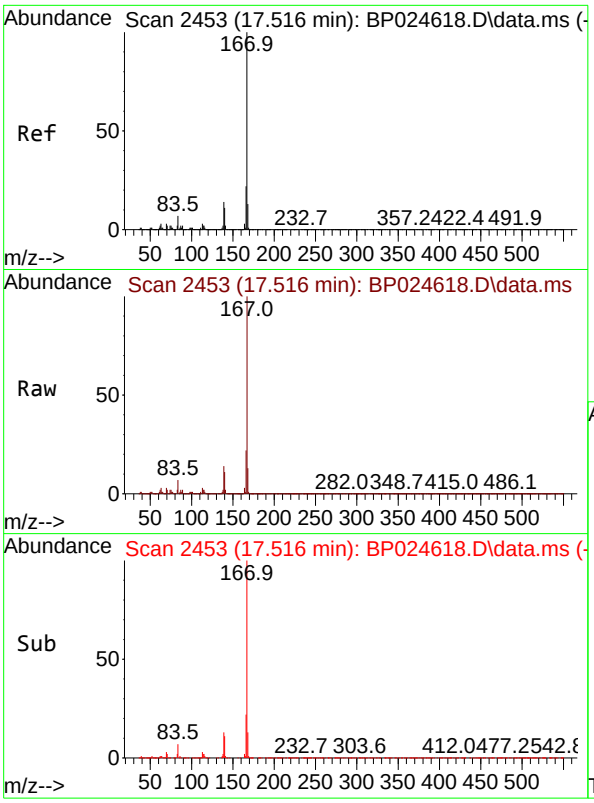


#72
Anthracene
Concen: 38.439 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 1542275

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.2	12.2	18.2



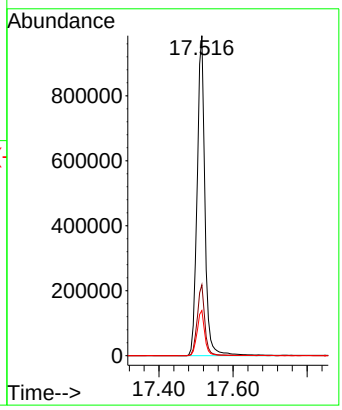


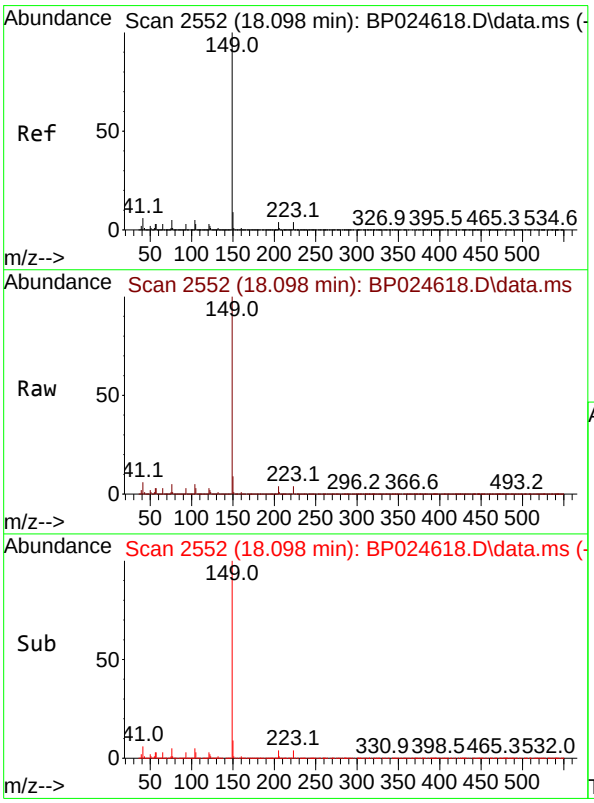
#73
Carbazole
Concen: 39.551 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1436294

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	14.1	11.3	16.9

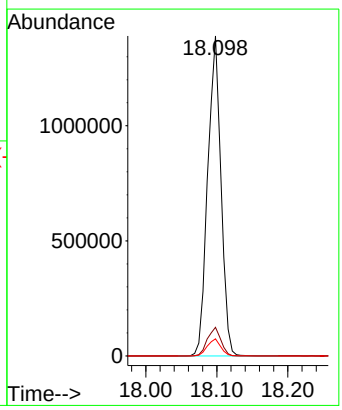


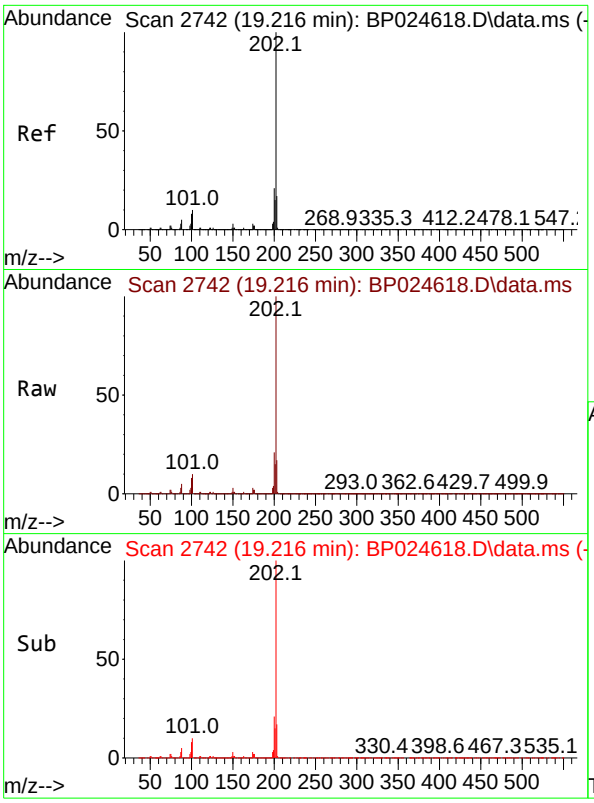


#74
Di-n-butylphthalate
Concen: 38.692 ng
RT: 18.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1807097

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	5.4	4.3	6.5



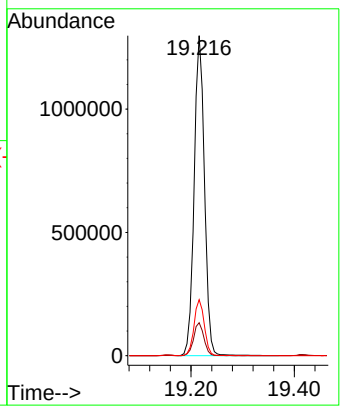


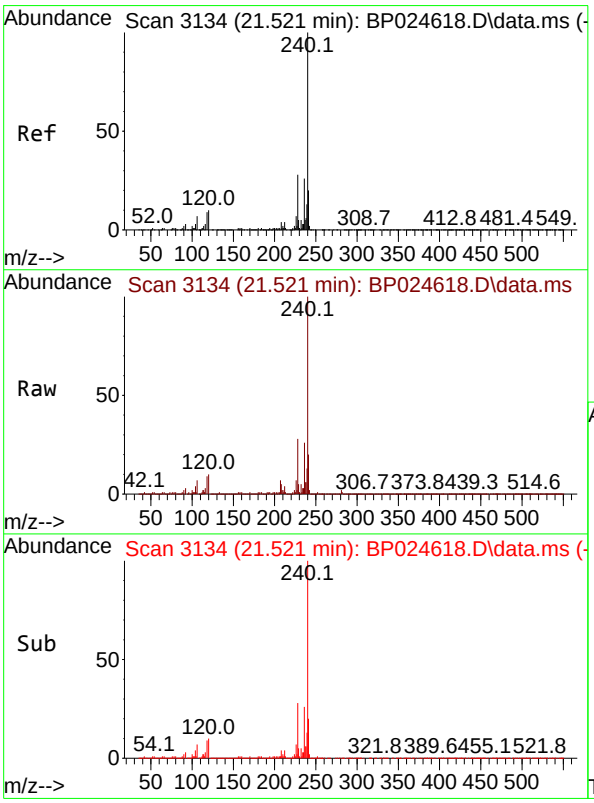
#75
Fluoranthene
Concen: 38.486 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1794046

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.3
203	17.5	0.0	37.5

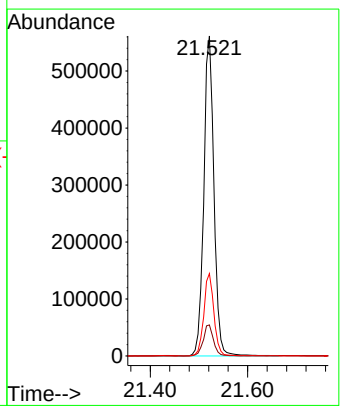


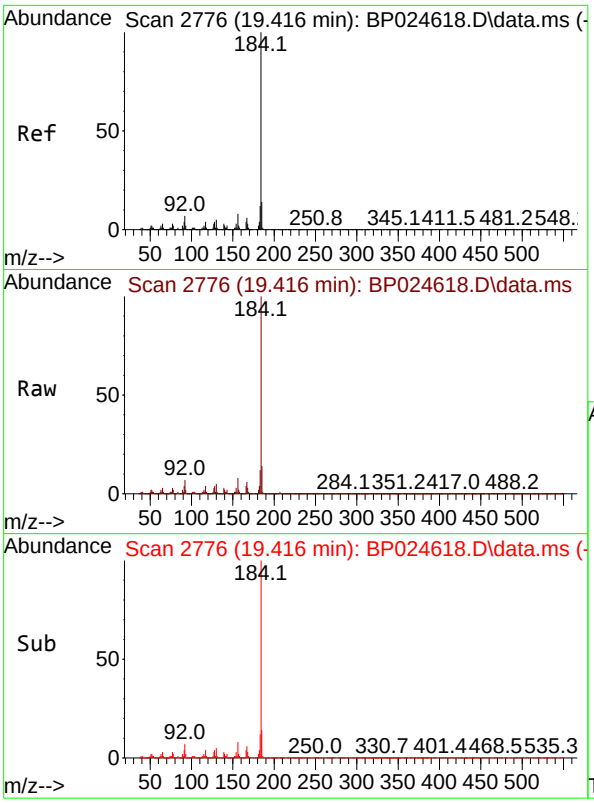


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:240 Resp: 810498

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.8	20.6	31.0



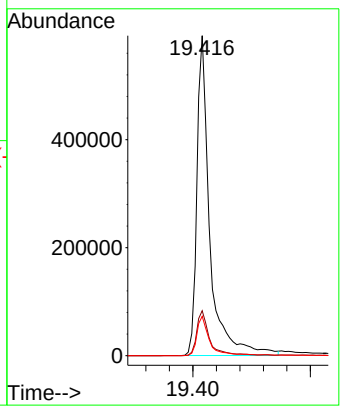


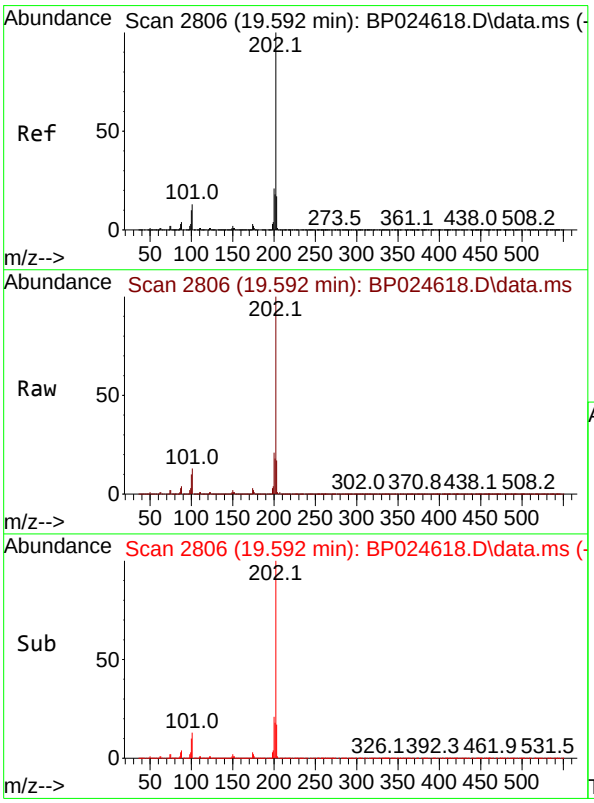
#77
Benzidine
Concen: 40.774 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 907109

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8

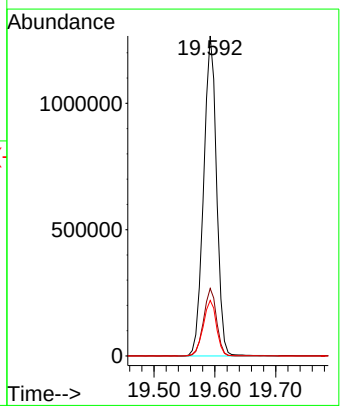


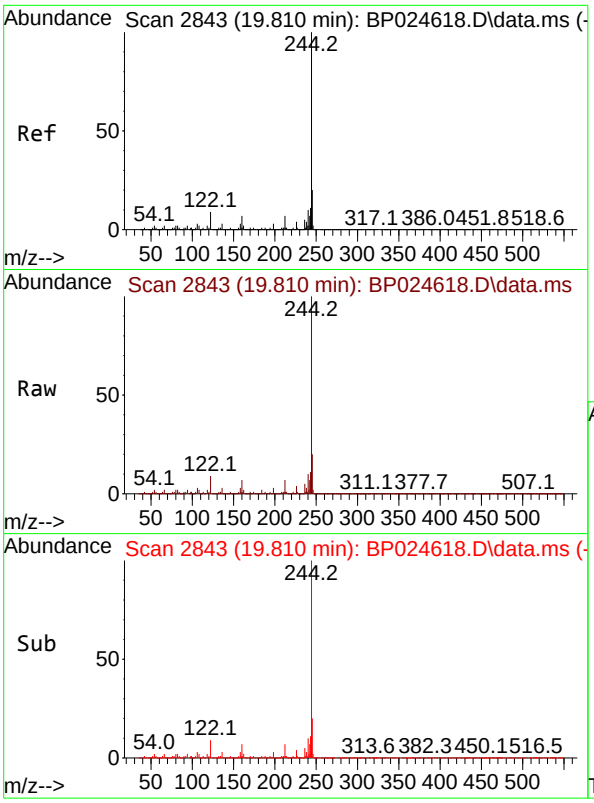


#78
Pyrene
Concen: 38.497 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 1869519

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9



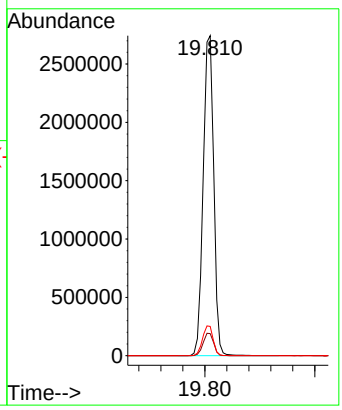


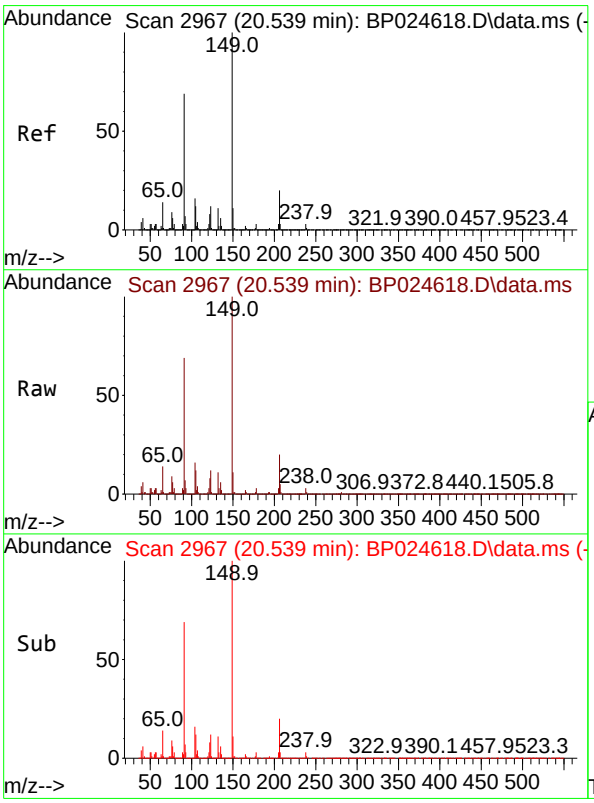
#79
Terphenyl-d14
Concen: 77.176 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 3647961

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.2	7.4	11.0

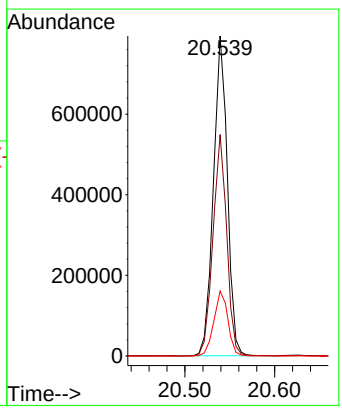


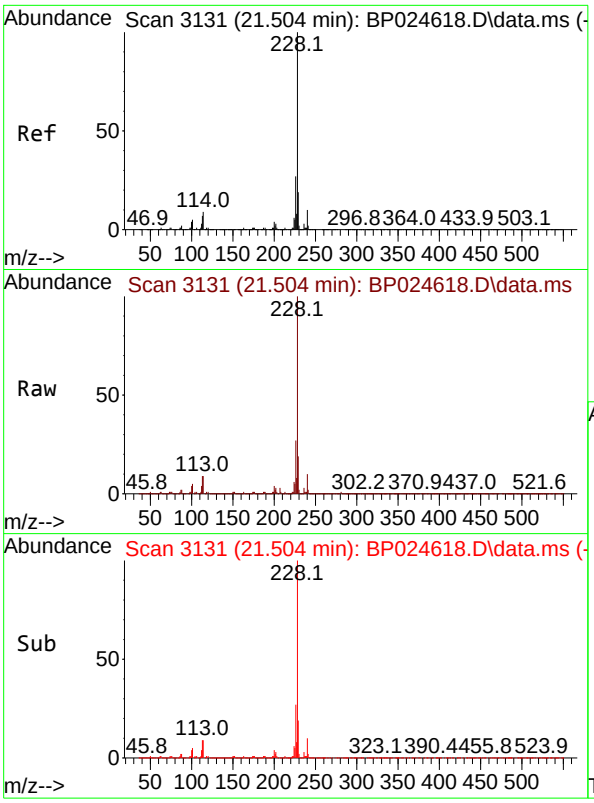


#80
Butylbenzylphthalate
Concen: 39.583 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 854913

Ion	Ratio	Lower	Upper
149	100		
91	69.2	55.4	83.0
206	20.2	16.2	24.2



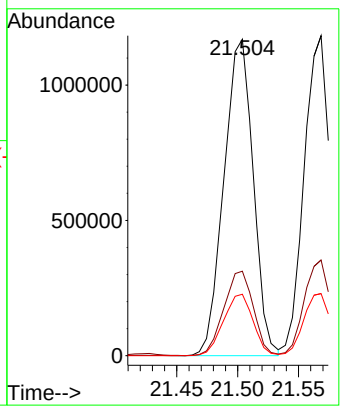


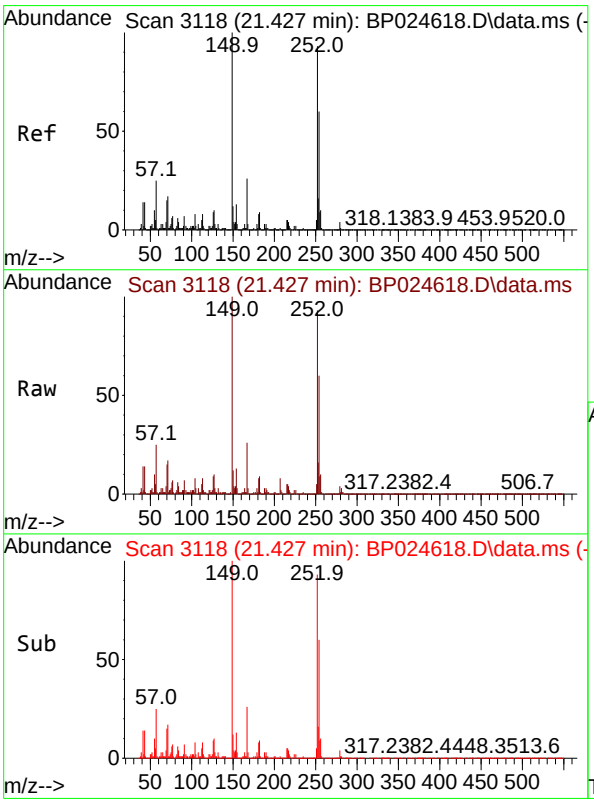
#81
Benzo(a)anthracene
Concen: 38.466 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1957632

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	19.4	15.5	23.3

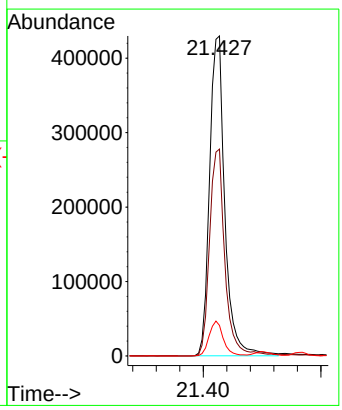


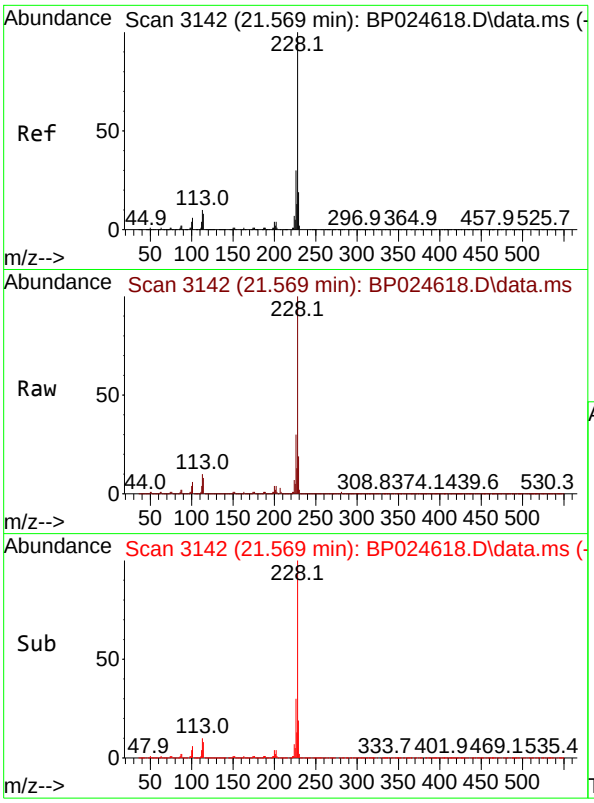


#82
3,3'-Dichlorobenzidine
Concen: 40.940 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 773866

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	9.6	7.7	11.5



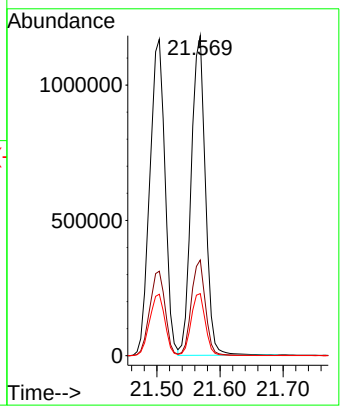


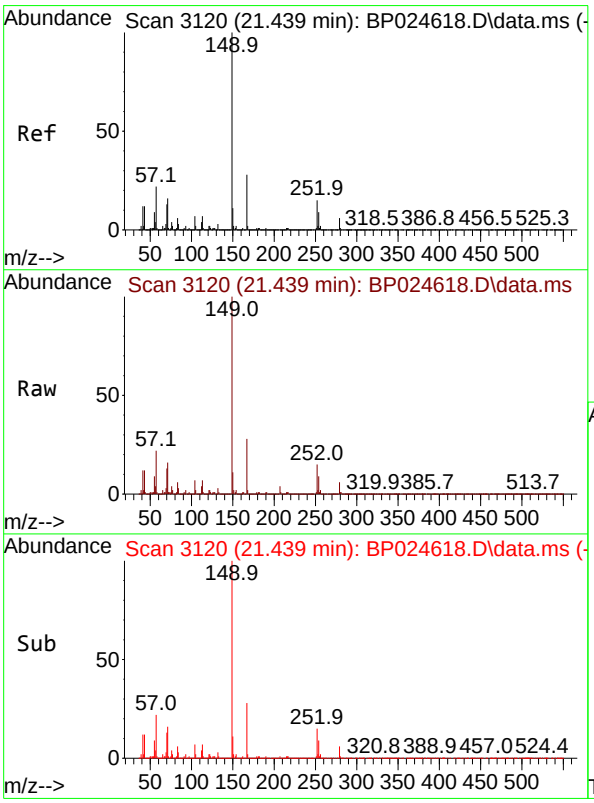
#83
Chrysene
Concen: 38.014 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1833959

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.4	15.5	23.3

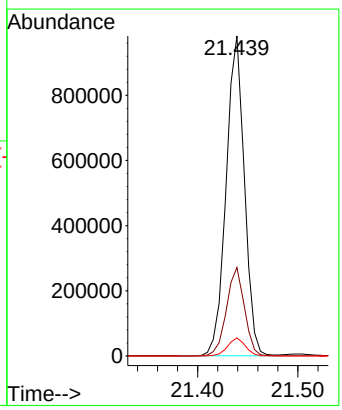


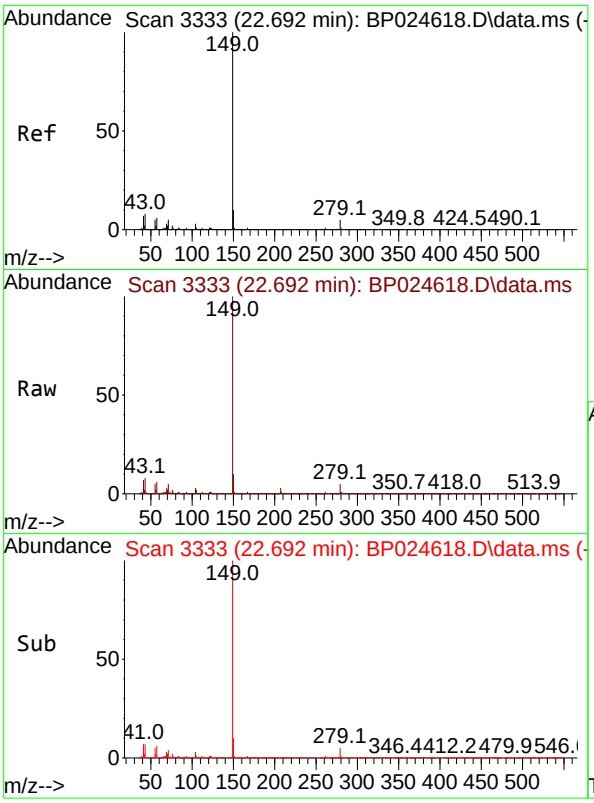


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.091 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1240956

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8



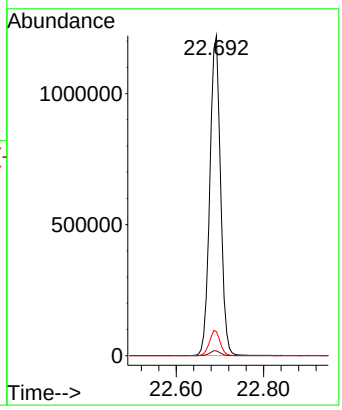


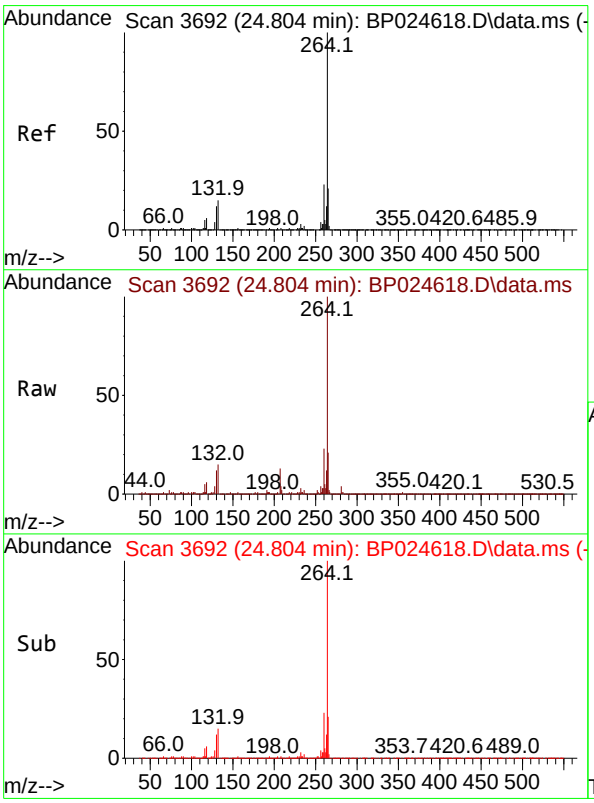
#85
Di-n-octyl phthalate
Concen: 39.965 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 2074694

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.9	6.3	9.5

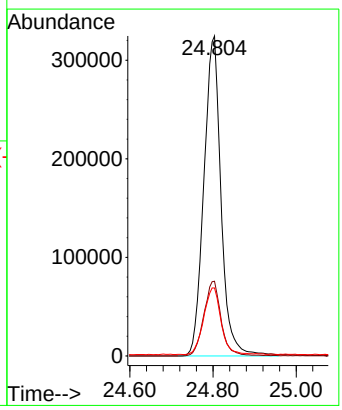


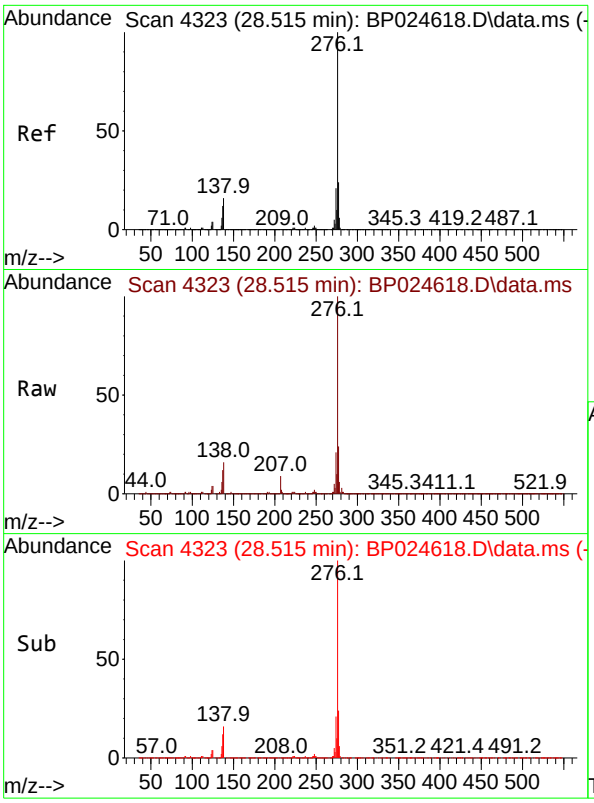


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:264 Resp: 929890

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.3	17.0	25.6



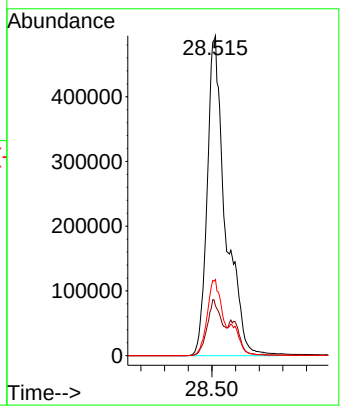


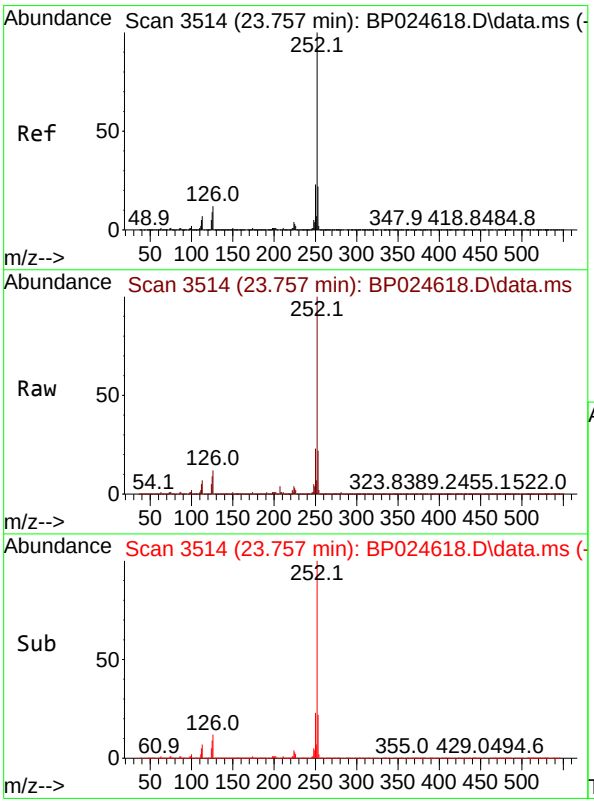
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.003 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 2648648

Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.2	16.8
277	19.6	15.7	23.5

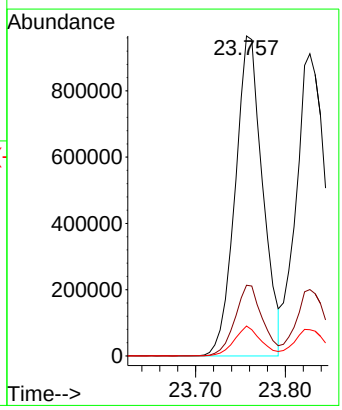


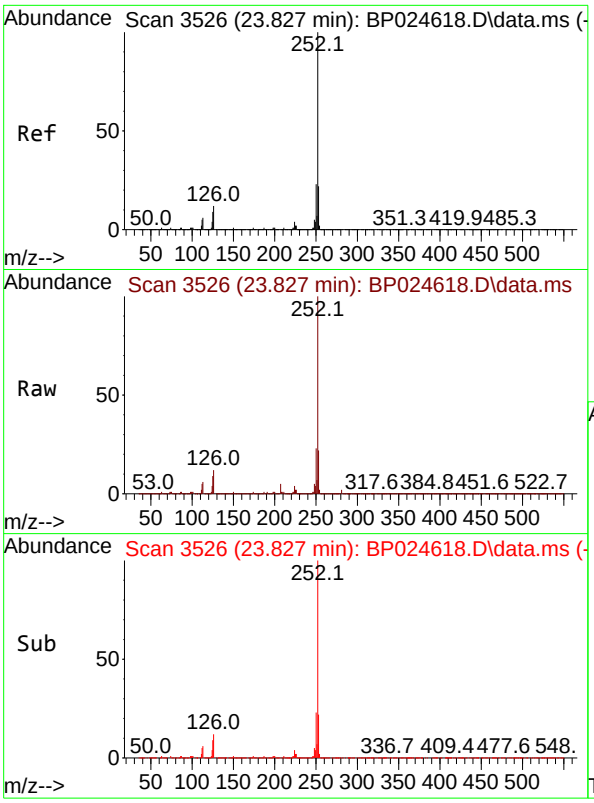


#88
Benzo(b)fluoranthene
Concen: 38.531 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 2050806

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.4	7.5	11.3



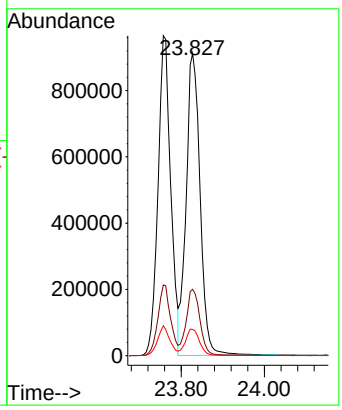


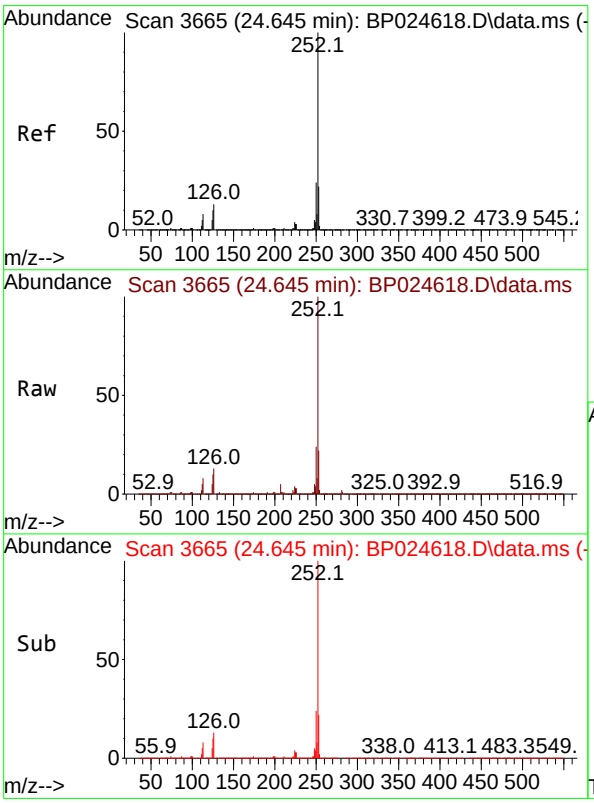
#89
Benzo(k)fluoranthene
Concen: 38.667 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2120721

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.7	7.0	10.4

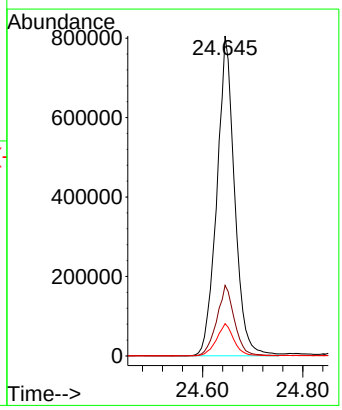


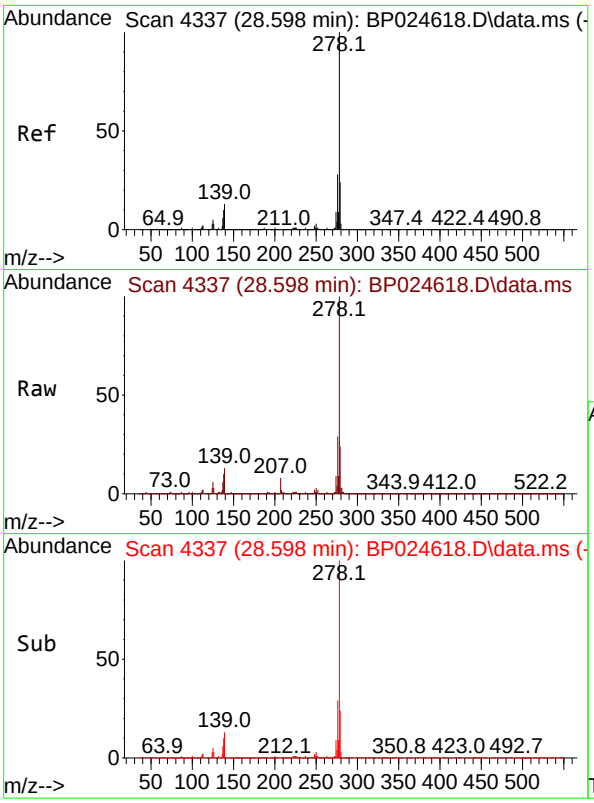


#90
Benzo(a)pyrene
Concen: 38.714 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 1979017

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.1	8.1	12.1



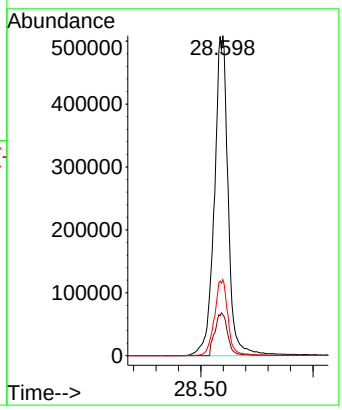


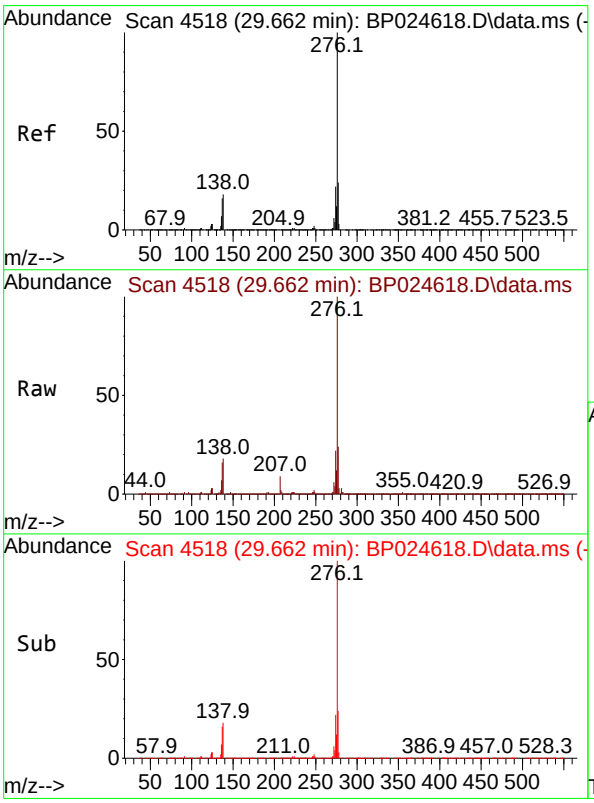
#91
Dibenzo(a,h)anthracene
Concen: 39.304 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2170712

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.4
279	23.7	19.0	28.4

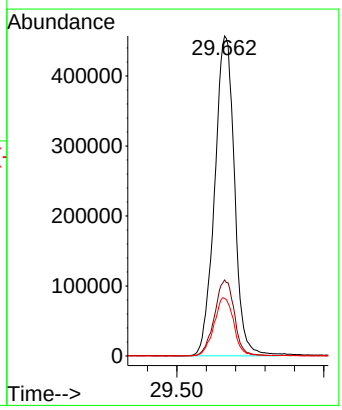




#92
Benzo(g,h,i)perylene
Concen: 38.836 ng
RT: 29.662 min Scan# 4518
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 2132921

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	18.0	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	134481	20.000	ng		0.00
21) Naphthalene-d8	10.434	136	584325	20.000	ng		0.00
39) Acenaphthene-d10	14.298	164	373575	20.000	ng		0.00
64) Phenanthrene-d10	17.104	188	713479	20.000	ng		0.00
76) Chrysene-d12	21.516	240	765954	20.000	ng		0.00
86) Perylene-d12	24.804	264	877352	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1283582	163.250	ng		0.00
7) Phenol-d6	6.858	99	1670035	166.422	ng		0.00
23) Nitrobenzene-d5	8.822	82	1840183	159.120	ng		0.01
42) 2,4,6-Tribromophenol	15.828	330	1032638	163.052	ng		0.02
45) 2-Fluorobiphenyl	12.910	172	4438179	155.647	ng		0.00
79) Terphenyl-d14	19.816	244	7152255	160.113	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	275790	74.698	ng		99
3) Pyridine	3.622	79	679364	82.984	ng		98
4) n-Nitrosodimethylamine	3.534	42	289012	79.965	ng		100
6) Aniline	7.005	93	1075238	82.991	ng		100
8) 2-Chlorophenol	7.240	128	740005	82.906	ng		99
9) Benzaldehyde	6.822	77	412028	63.537	ng		100
10) Phenol	6.887	94	859122	82.949	ng		100
11) bis(2-Chloroethyl)ether	7.099	93	670572	78.793	ng		100
12) 1,3-Dichlorobenzene	7.552	146	795953	77.509	ng		100
13) 1,4-Dichlorobenzene	7.699	146	802182	77.667	ng		98
14) 1,2-Dichlorobenzene	8.010	146	779316	77.434	ng		99
15) Benzyl Alcohol	7.910	79	664684	87.163	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	782240	76.749	ng		98
17) 2-Methylphenol	8.110	107	620901	83.583	ng		99
18) Hexachloroethane	8.728	117	306812	77.518	ng		97
19) n-Nitroso-di-n-propyla...	8.469	70	551845	79.499	ng		98
20) 3+4-Methylphenols	8.440	107	852078	84.323	ng		99
22) Acetophenone	8.481	105	1147610	78.624	ng	#	99
24) Nitrobenzene	8.857	77	804153	79.016	ng		98
25) Isophorone	9.381	82	1593235	79.421	ng		100
26) 2-Nitrophenol	9.557	139	442185	88.668	ng		98
27) 2,4-Dimethylphenol	9.628	122	722439	82.165	ng		100
28) bis(2-Chloroethoxy)met...	9.857	93	946615	78.984	ng		99
29) 2,4-Dichlorophenol	10.099	162	721701	84.703	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	755529	78.688	ng		98
31) Naphthalene	10.487	128	2354789	77.766	ng		100
32) Benzoic acid	9.828	122	525308	80.150	ng		99
33) 4-Chloroaniline	10.599	127	1033865	84.612	ng		99
34) Hexachlorobutadiene	10.769	225	481140	77.354	ng		97
35) Caprolactam	11.416	113	257252	83.498	ng		96
36) 4-Chloro-3-methylphenol	11.734	107	838983	80.745	ng		99
37) 2-Methylnaphthalene	12.093	142	1529445	78.006	ng		100
38) 1-Methylnaphthalene	12.322	142	1613775	76.924	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	875750	80.728	ng		100
41) Hexachlorocyclopentadiene	12.446	237	628436	95.536	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	601332	85.581	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	657399	84.052	ng		97
46) 1,1'-Biphenyl	13.122	154	2175624	78.795	ng		100
47) 2-Chloronaphthalene	13.163	162	1662979	78.991	ng		99
48) 2-Nitroaniline	13.375	65	512458	82.218	ng		97
49) Acenaphthylene	14.016	152	2773742	78.729	ng		99
50) Dimethylphthalate	13.763	163	2182359	76.644	ng		100
51) 2,6-Dinitrotoluene	13.887	165	476606	79.255	ng		97
52) Acenaphthene	14.363	154	1572103	77.619	ng		99
53) 3-Nitroaniline	14.222	138	522849	85.151	ng		100
54) 2,4-Dinitrophenol	14.428	184	300458	79.295	ng		98
55) Dibenzofuran	14.704	168	2477374	76.684	ng		99
56) 4-Nitrophenol	14.557	139	409954	77.271	ng		98
57) 2,4-Dinitrotoluene	14.681	165	678287	80.005	ng		97
58) Fluorene	15.363	166	2003709	76.064	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	588947	81.172	ng		98
60) Diethylphthalate	15.145	149	2193488	76.218	ng		99
61) 4-Chlorophenyl-phenyle...	15.363	204	997863	75.958	ng		99
62) 4-Nitroaniline	15.404	138	509582	85.237	ng		99
63) Azobenzene	15.663	77	1858146	75.474	ng		99
65) 4,6-Dinitro-2-methylph...	15.469	198	401011	87.013	ng		98
66) n-Nitrosodiphenylamine	15.587	169	1711679	78.104	ng		99
67) 4-Bromophenyl-phenylether	16.281	248	684619	81.432	ng		98
68) Hexachlorobenzene	16.398	284	856547	80.179	ng		99
69) Atrazine	16.575	200	645877	80.420	ng		99
70) Pentachlorophenol	16.751	266	548492	91.410	ng		99
71) Phenanthrene	17.145	178	3091665	77.948	ng		99
72) Anthracene	17.239	178	3161669	79.228	ng		99
73) Carbazole	17.522	167	2892236	80.076	ng		99
74) Di-n-butylphthalate	18.110	149	3747927	80.684	ng		99
75) Fluoranthene	19.228	202	3629085	78.274	ng		99
77) Benzidine	19.422	184	1678507	79.835	ng		100
78) Pyrene	19.604	202	3747276	81.650	ng		99
80) Butylbenzylphthalate	20.545	149	1741954	85.344	ng		98
81) Benzo(a)anthracene	21.498	228	3829787	79.629	ng		99
82) 3,3'-Dichlorobenzidine	21.422	252	1575691	88.207	ng		100
83) Chrysene	21.569	228	3615014	79.290	ng		99
84) Bis(2-ethylhexyl)phtha...	21.439	149	2577445	85.913	ng		99
85) Di-n-octyl phthalate	22.686	149	4341653	88.498	ng		99
87) Indeno(1,2,3-cd)pyrene	28.515	276	4374706	68.278	ng	#	91
88) Benzo(b)fluoranthene	23.768	252	4173798	83.113	ng		99
89) Benzo(k)fluoranthene	23.833	252	4160268	80.397	ng		100
90) Benzo(a)pyrene	24.645	252	3988360	82.694	ng		99
91) Dibenzo(a,h)anthracene	28.598	278	4338518	83.260	ng		99
92) Benzo(g,h,i)perylene	29.680	276	4253459	82.083	ng		99

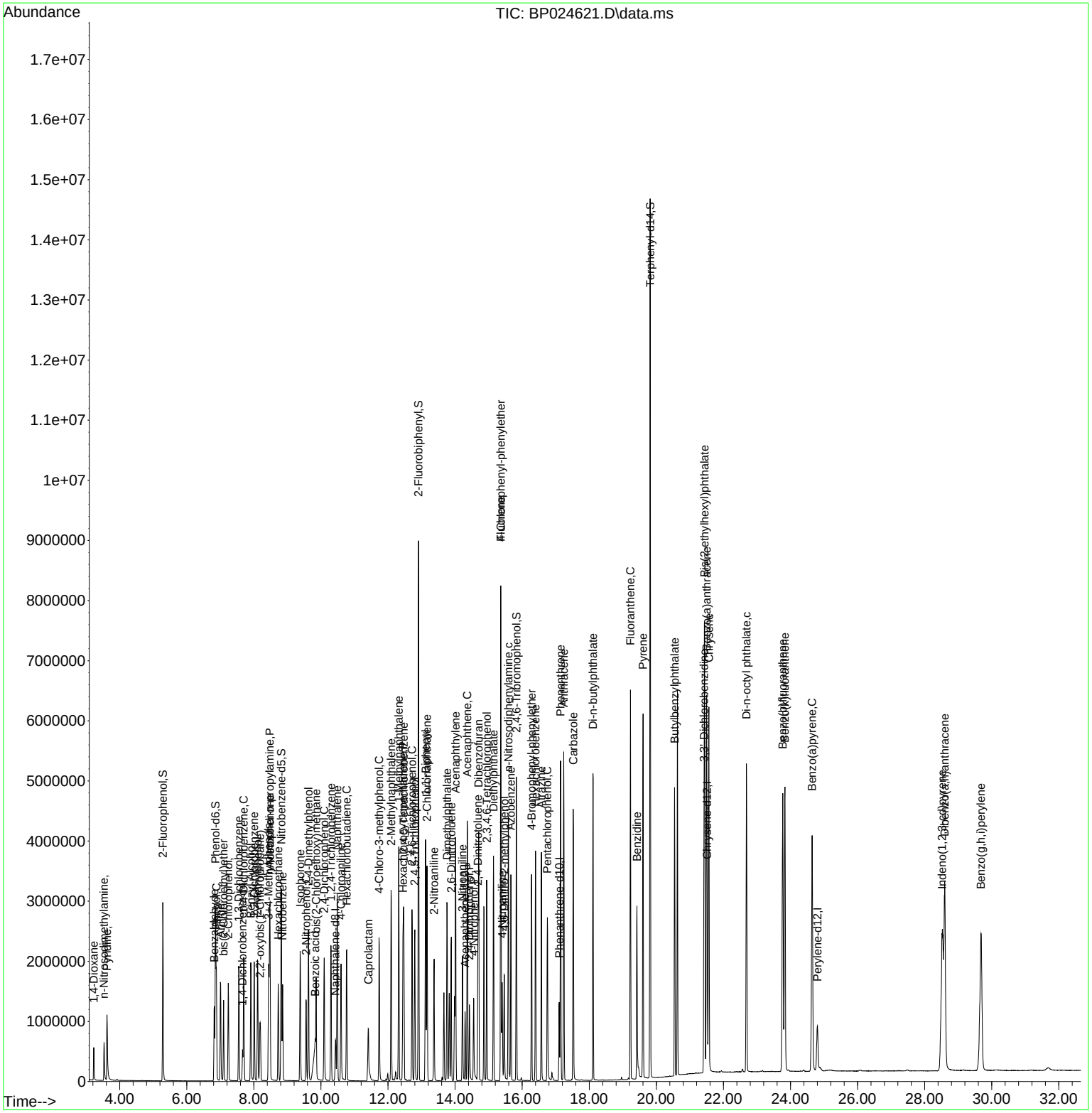
(#) = qualifier out of range (m) = manual integration (+) = signals summed

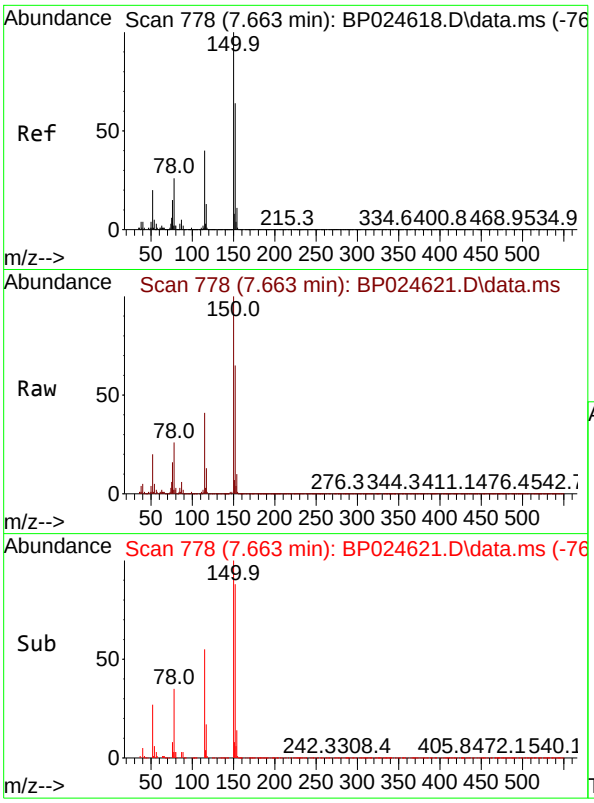
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



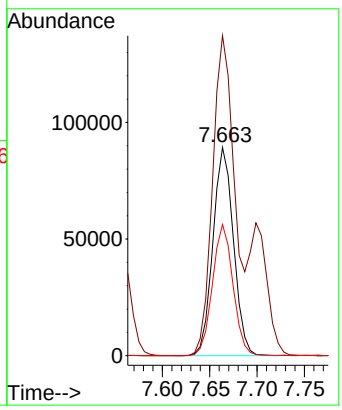


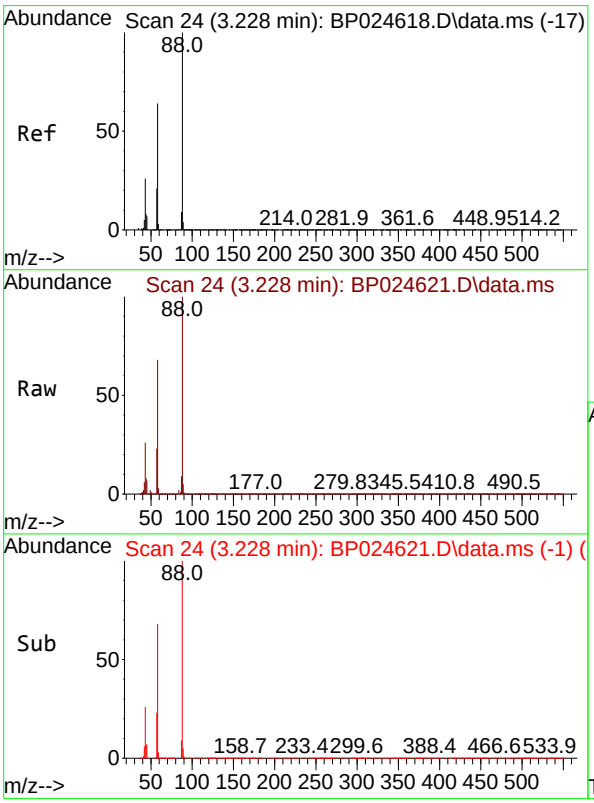
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 134481

Ion	Ratio	Lower	Upper
152	100		
150	153.6	125.9	188.9
115	63.0	50.1	75.1

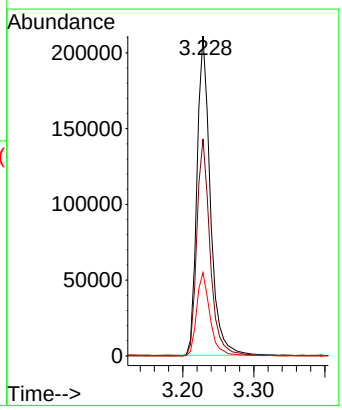


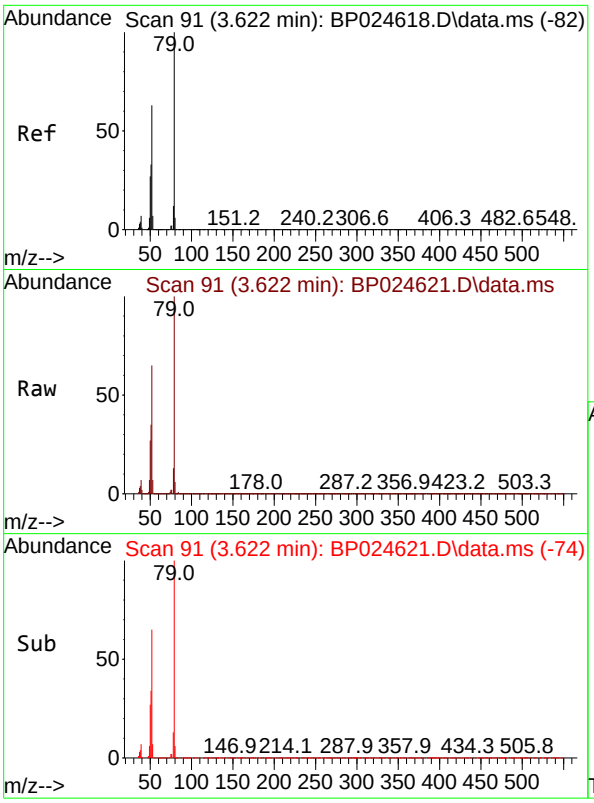


#2
1,4-Dioxane
Concen: 74.698 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 88 Resp: 275790

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.0	81.0
43	26.1	21.4	32.0



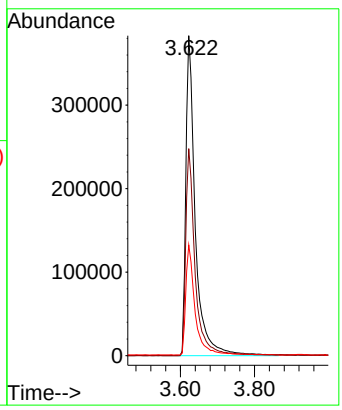


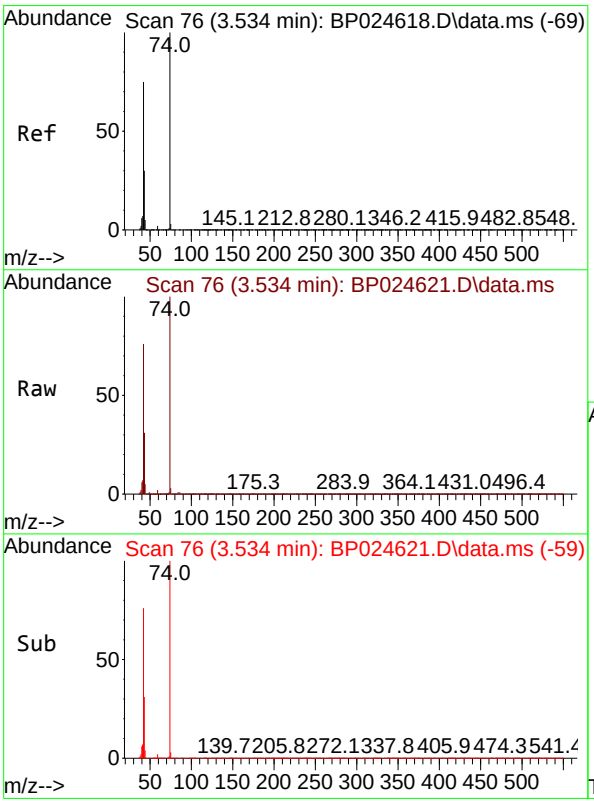
#3
Pyridine
Concen: 82.984 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 679364

Ion	Ratio	Lower	Upper
79	100		
52	64.7	50.2	75.2
51	34.6	26.8	40.2

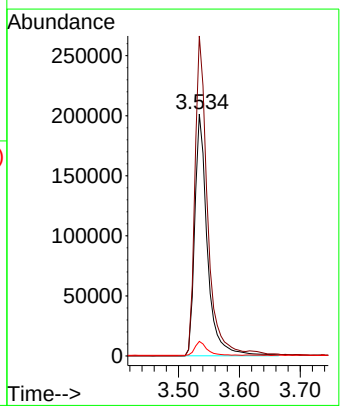


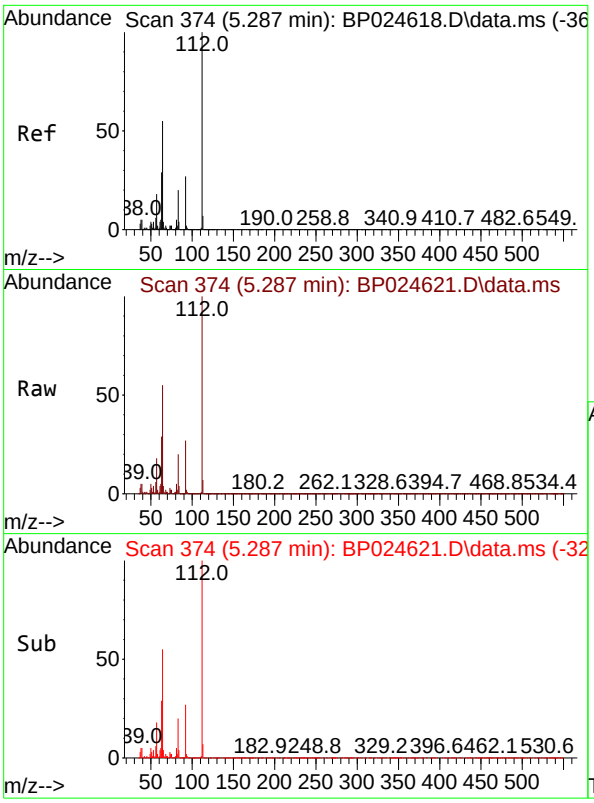


#4
n-Nitrosodimethylamine
Concen: 79.965 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 42 Resp: 289012

Ion	Ratio	Lower	Upper
42	100		
74	132.2	106.2	159.2
44	6.0	5.4	8.2



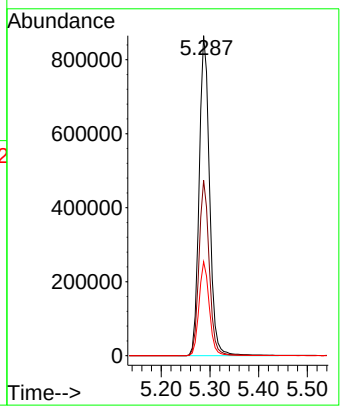


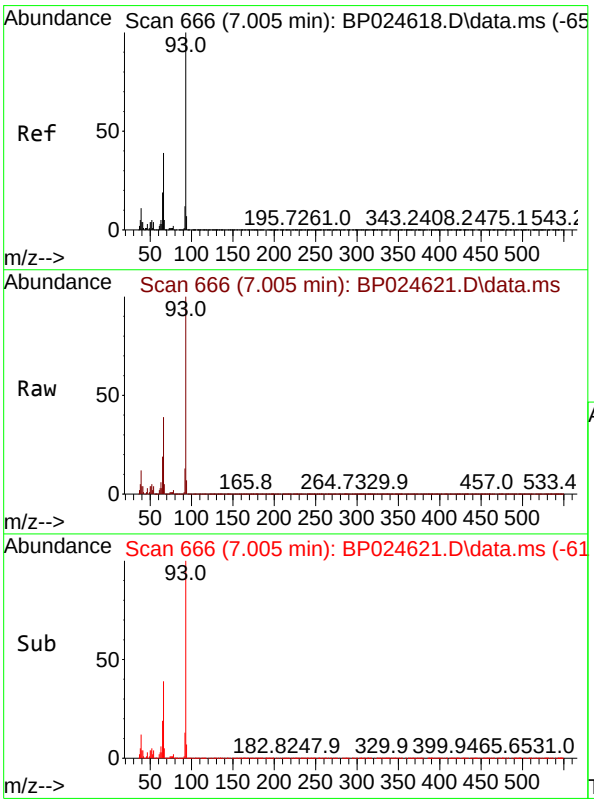
#5
2-Fluorophenol
Concen: 163.250 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1283582

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.4	23.5	35.3

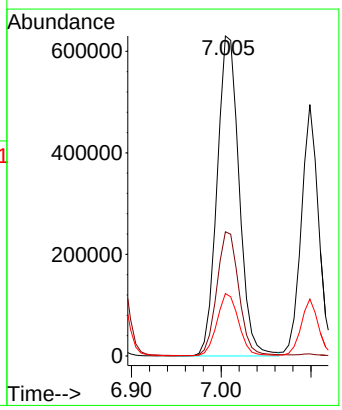


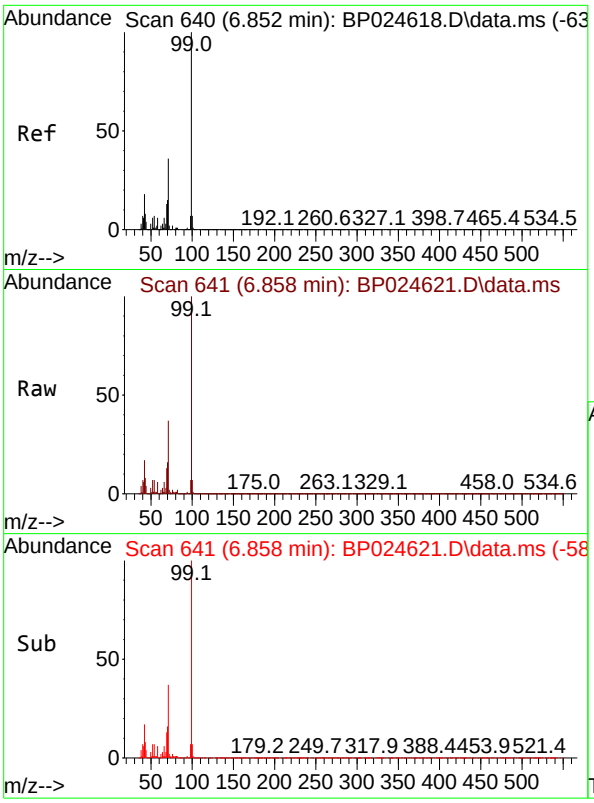


#6
Aniline
Concen: 82.991 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 1075238

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.0	46.6
65	19.5	15.5	23.3



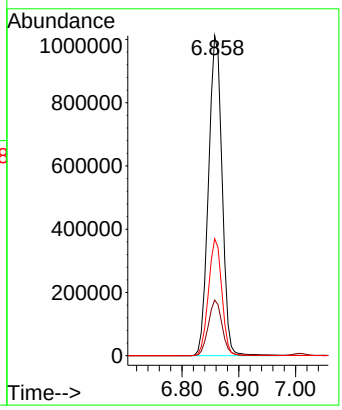


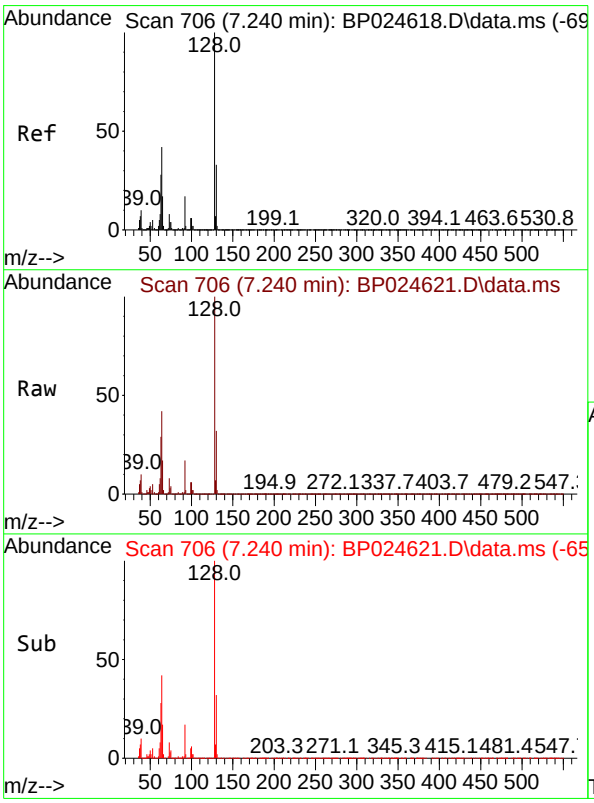
#7
Phenol-d6
Concen: 166.422 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1670035

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.4	21.6
71	36.6	29.2	43.8

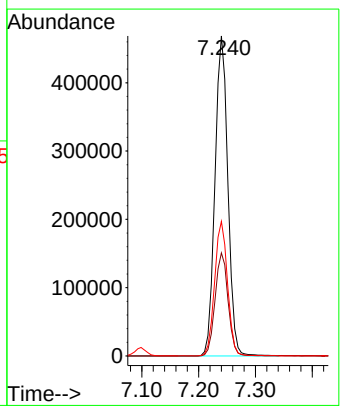


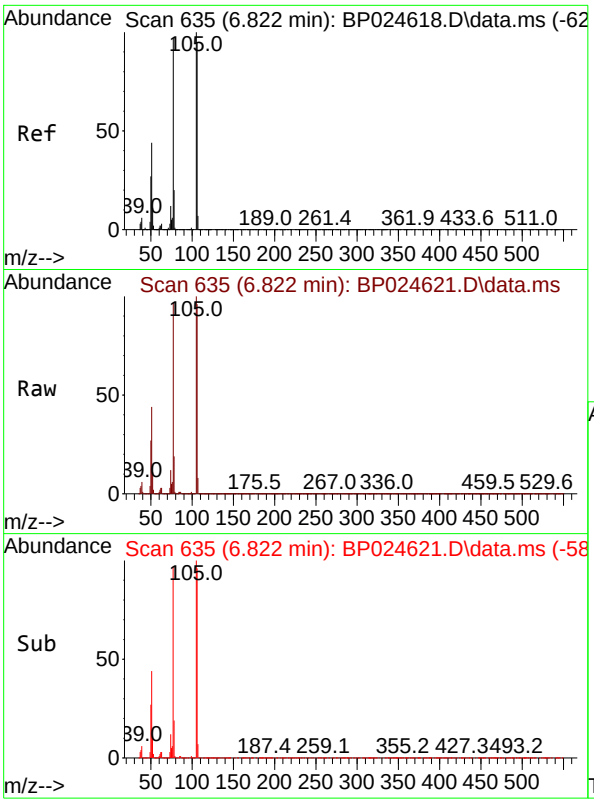


#8
2-Chlorophenol
Concen: 82.906 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 740005

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.0	53.0
64	42.1	22.3	62.3



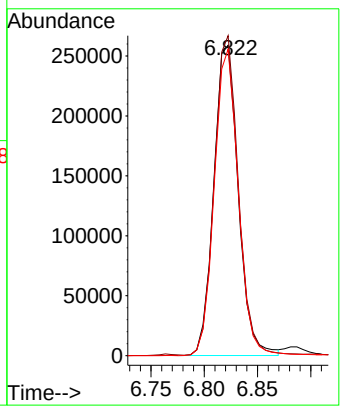


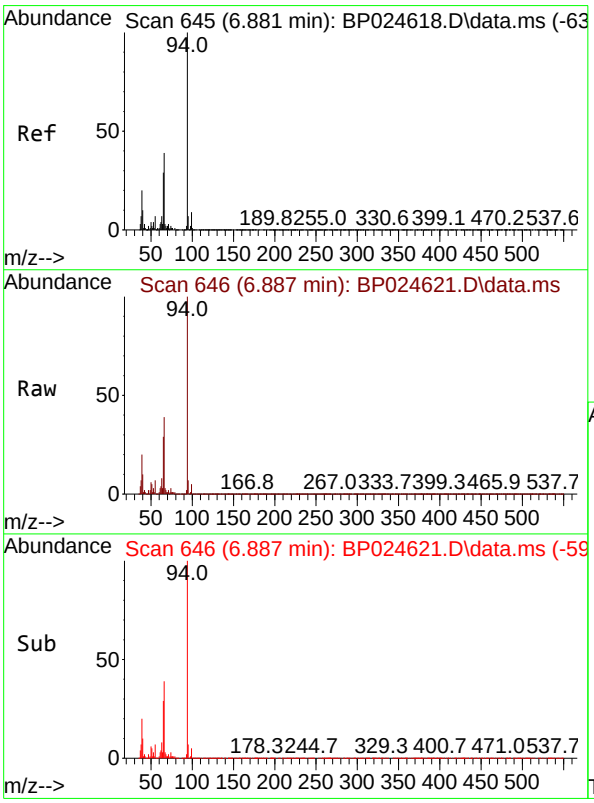
#9
Benzaldehyde
Concen: 63.537 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 412028

Ion	Ratio	Lower	Upper
77	100		
105	103.1	83.3	123.3
106	98.7	78.0	118.0

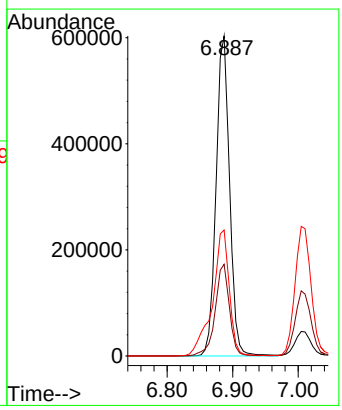


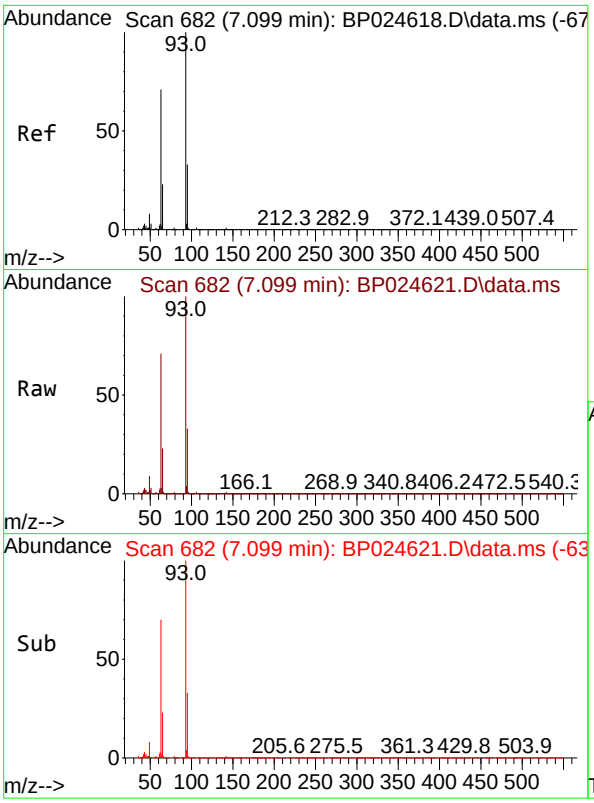


#10
Phenol
Concen: 82.949 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 94 Resp: 859122

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	39.3	19.4	59.4



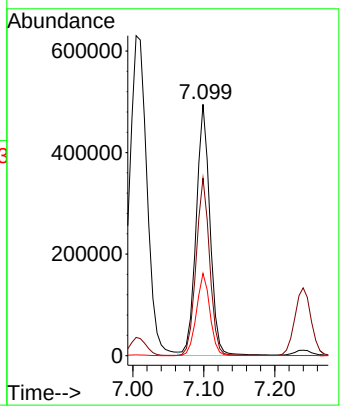


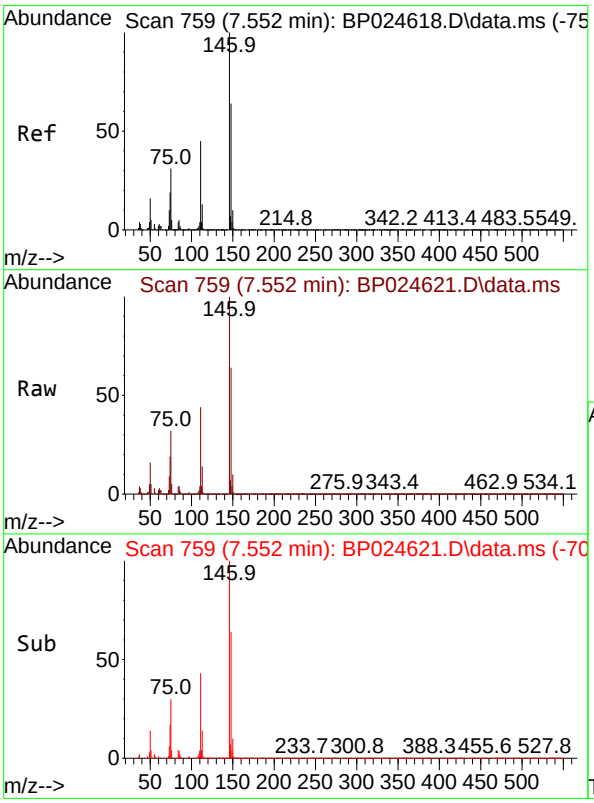
#11
bis(2-Chloroethyl)ether
Concen: 78.793 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 670572

Ion	Ratio	Lower	Upper
93	100		
63	70.6	50.6	90.6
95	32.7	12.9	52.9

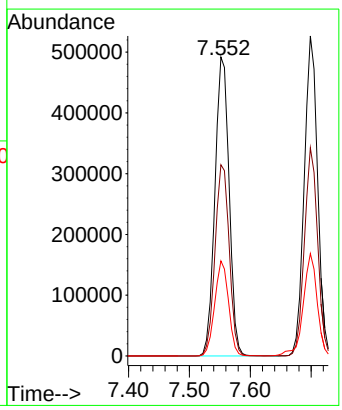


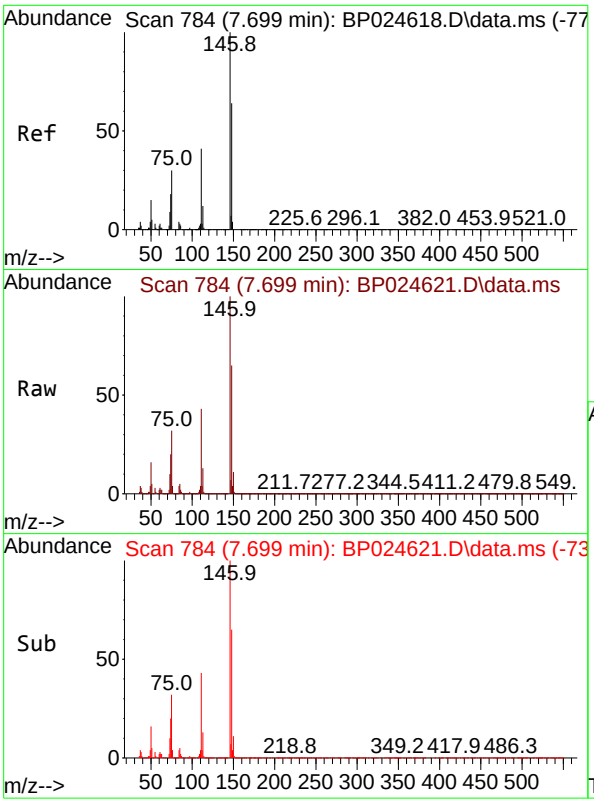


#12
1,3-Dichlorobenzene
Concen: 77.509 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 795953

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	31.8	25.2	37.8



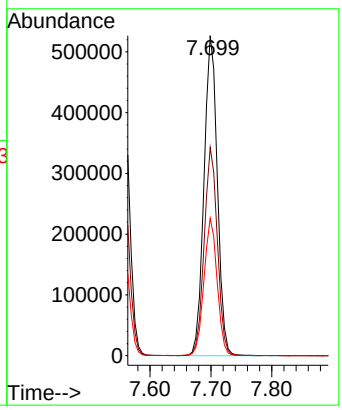


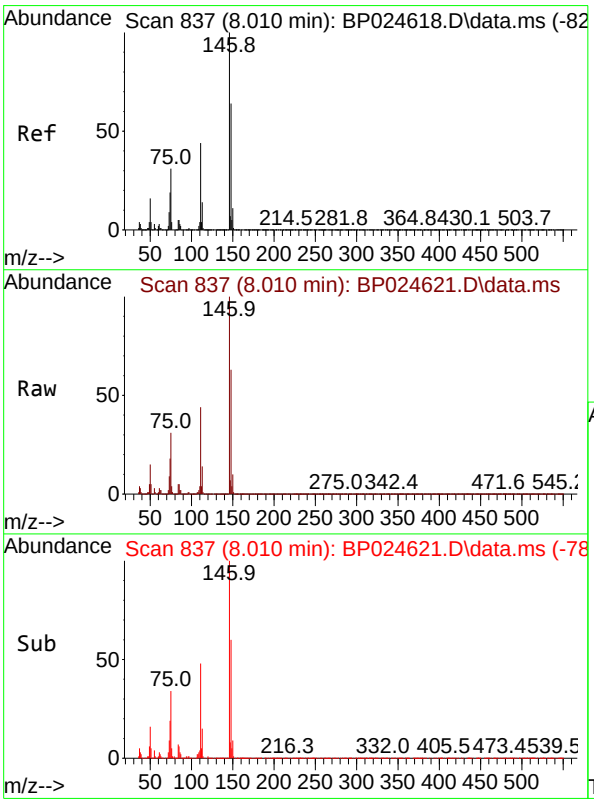
#13
1,4-Dichlorobenzene
Concen: 77.667 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 802182

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	43.0	33.0	49.6

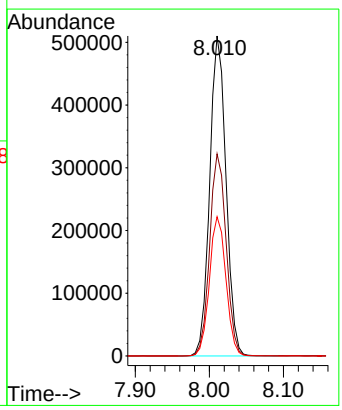


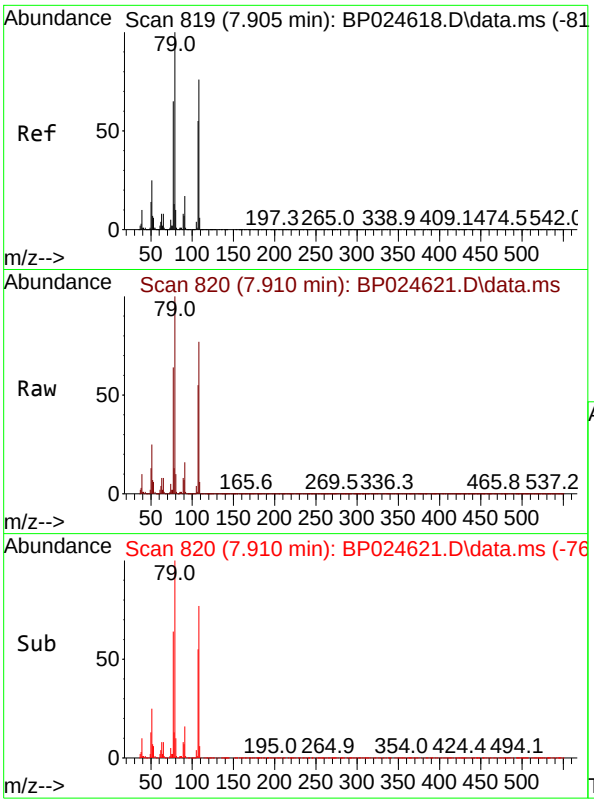


#14
1,2-Dichlorobenzene
Concen: 77.434 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 779316

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.4
111	43.5	35.2	52.8



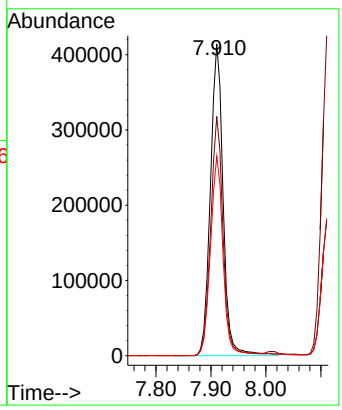


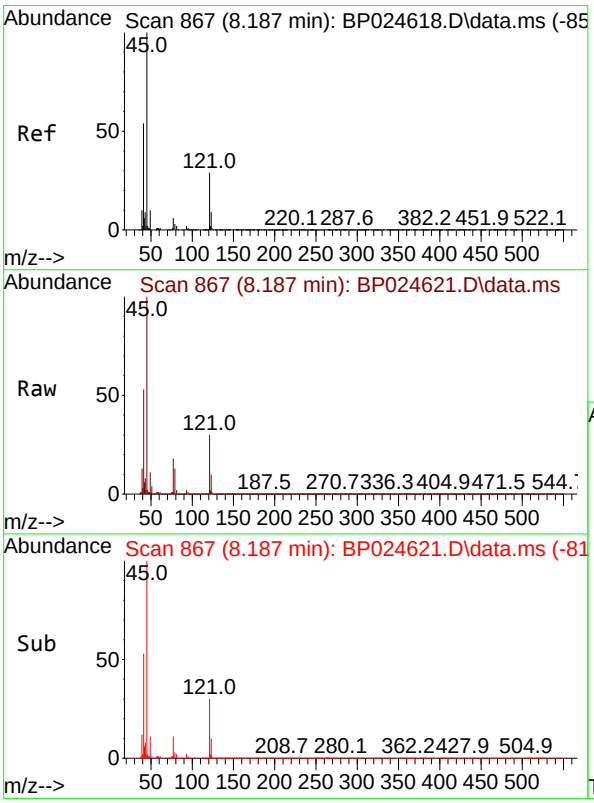
#15
Benzyl Alcohol
Concen: 87.163 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 664684

Ion	Ratio	Lower	Upper
79	100		
108	76.7	60.8	91.2
77	63.9	51.9	77.9

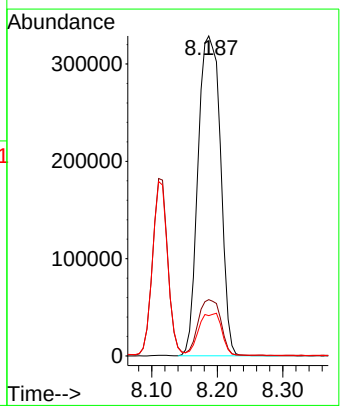


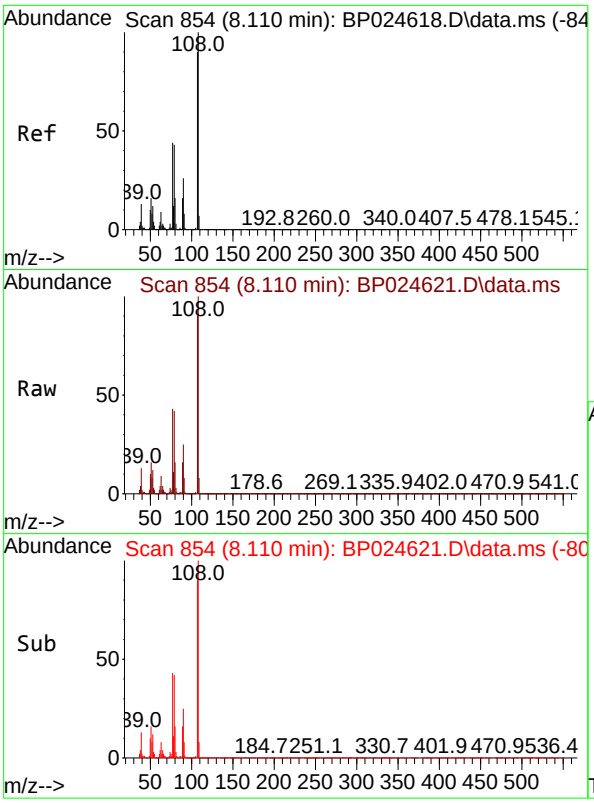


#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.749 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 45 Resp: 782240

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	12.6	0.0	34.0



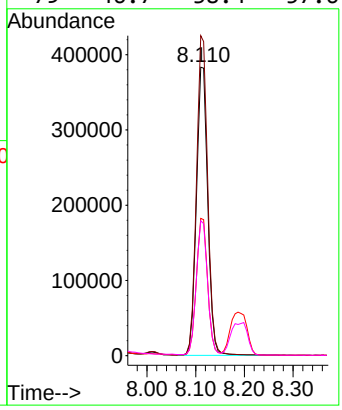


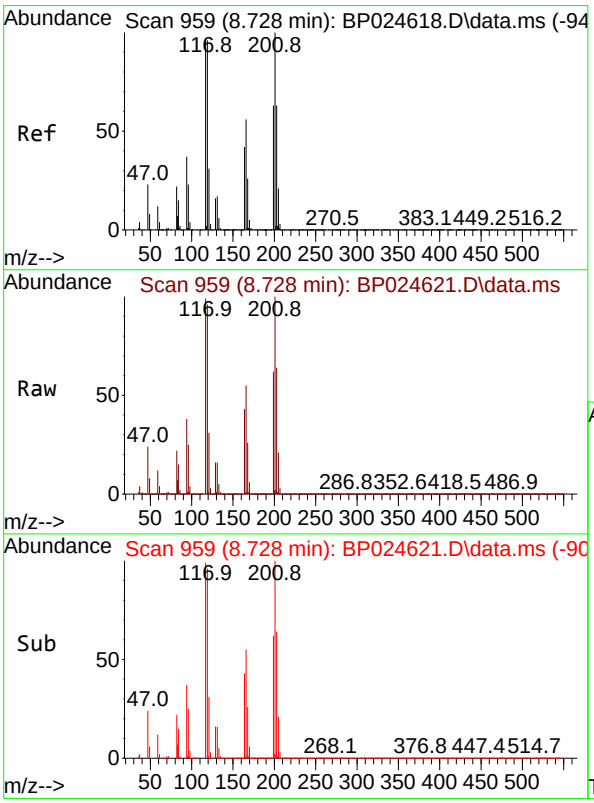
#17
2-Methylphenol
Concen: 83.583 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 620901

Ion	Ratio	Lower	Upper
107	100		
108	110.9	88.9	133.3
77	47.6	39.0	58.6
79	46.7	38.4	57.6

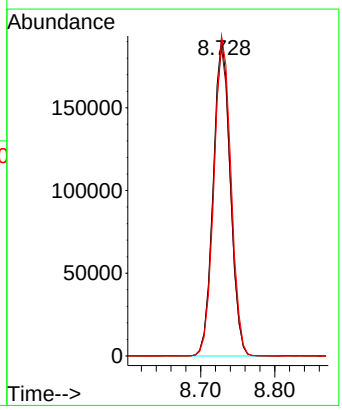


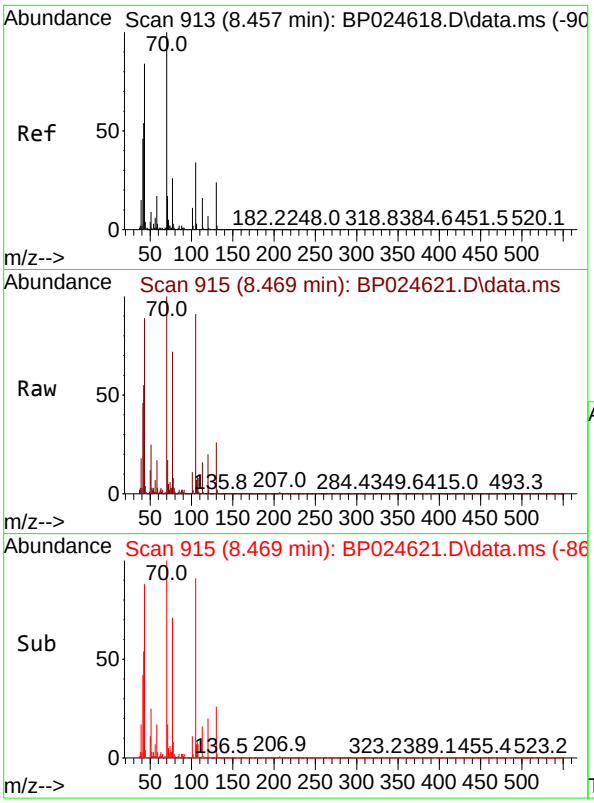


#18
Hexachloroethane
Concen: 77.518 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:117 Resp: 306812

Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.4	119.0
201	100.5	82.7	124.1



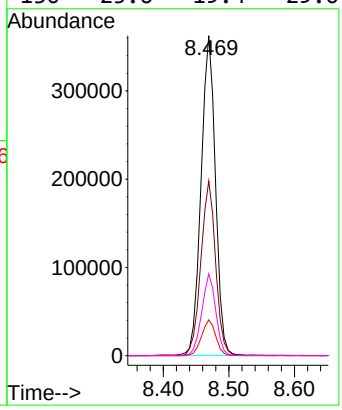


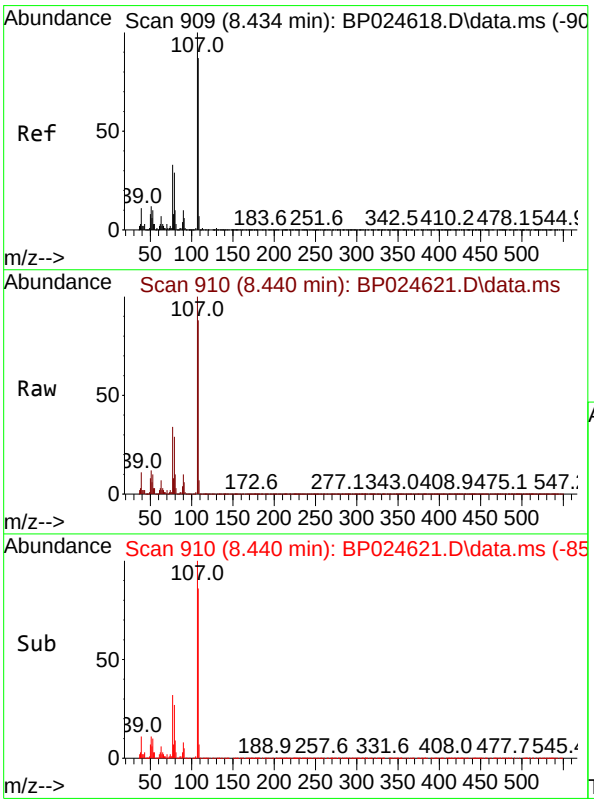
#19
n-Nitroso-di-n-propylamine
Concen: 79.499 ng
RT: 8.469 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 551845

Ion	Ratio	Lower	Upper
70	100		
42	54.6	43.0	64.6
101	11.2	8.7	13.1
130	25.6	19.4	29.0

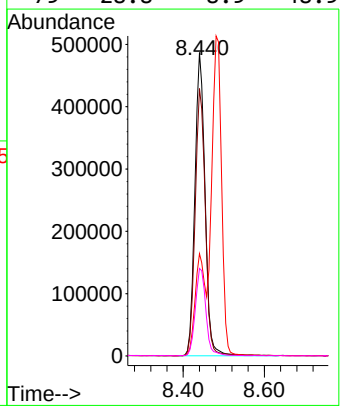


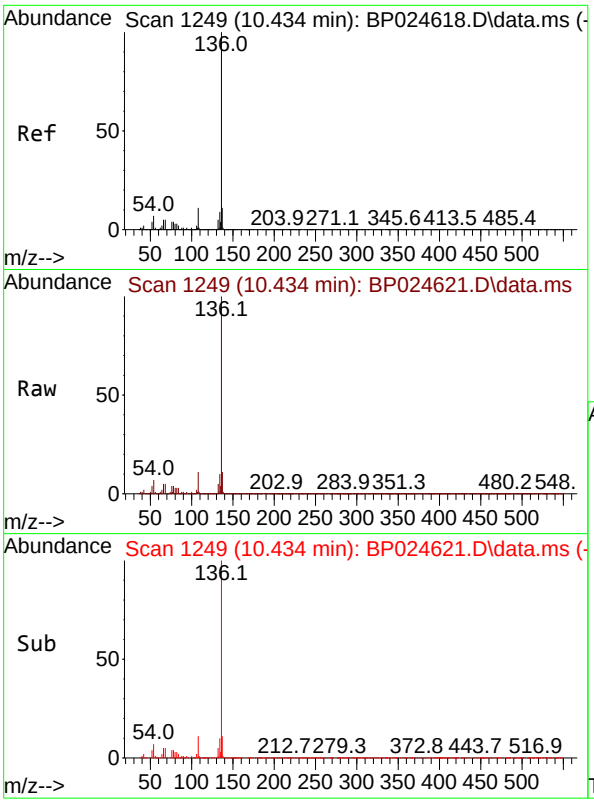


#20
3+4-Methylphenols
Concen: 84.323 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 852078

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.7	13.1	53.1
79	28.8	8.9	48.9



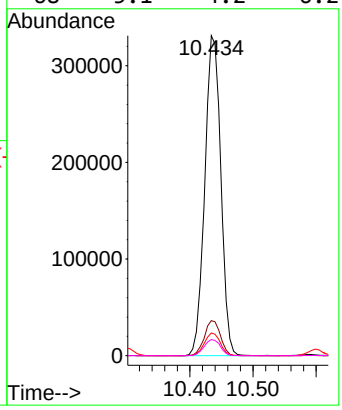


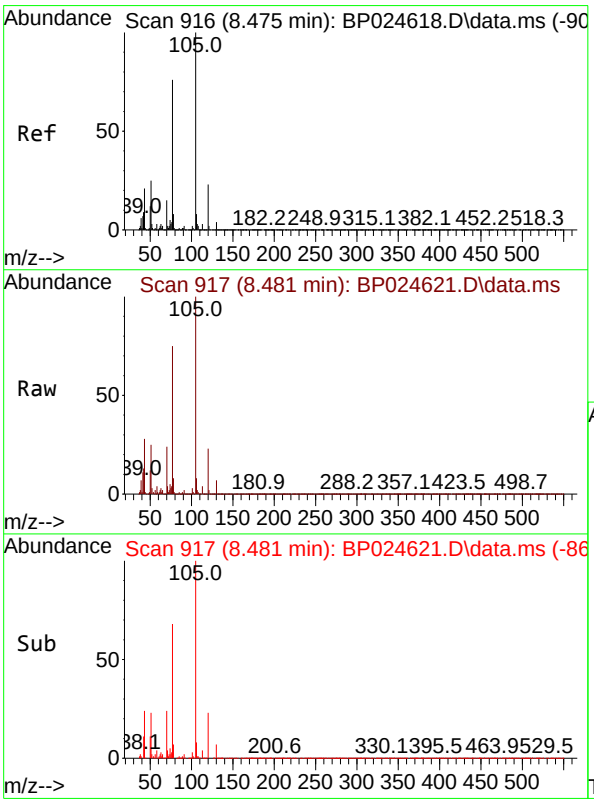
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 584325

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.5	8.3
68	5.1	4.2	6.2

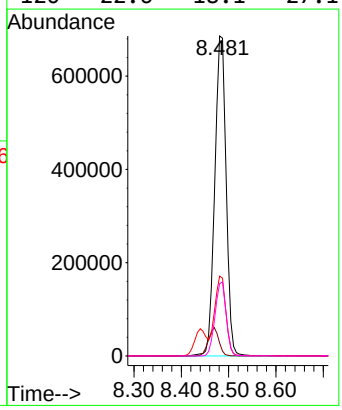


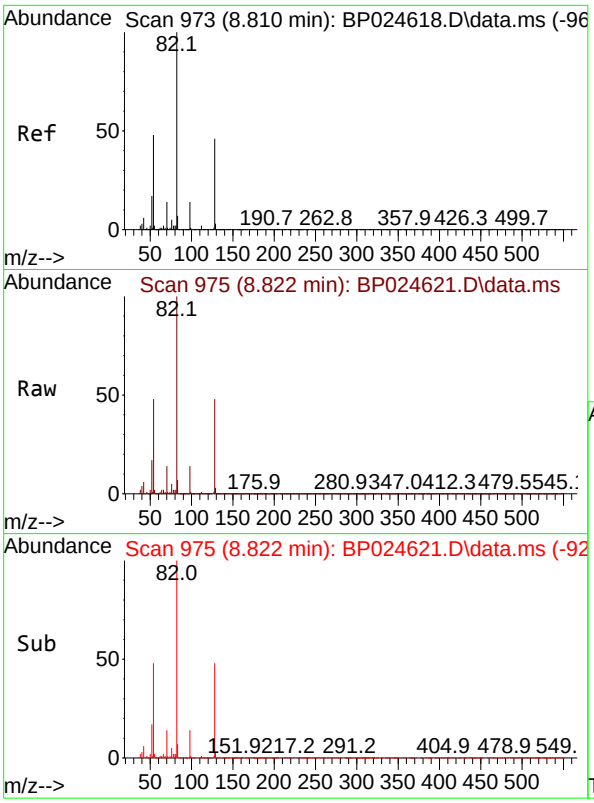


#22
Acetophenone
Concen: 78.624 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:105 Resp: 1147610

Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.0	3.0#
51	25.0	20.4	30.6
120	22.6	18.1	27.1



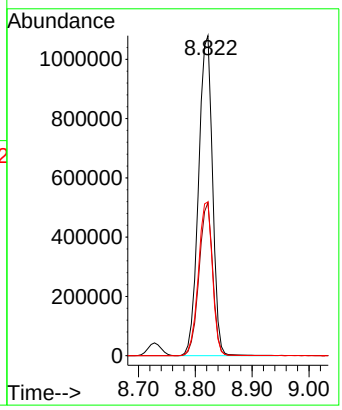


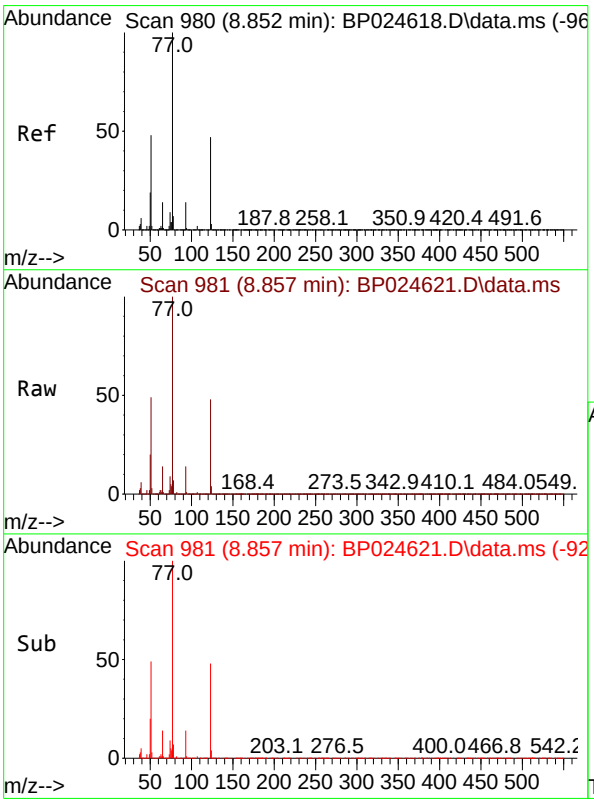
#23
Nitrobenzene-d5
Concen: 159.120 ng
RT: 8.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1840183

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.0	55.4
54	48.0	38.7	58.1

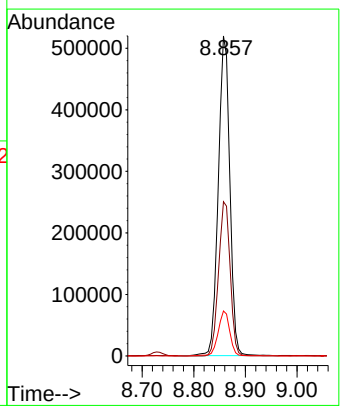


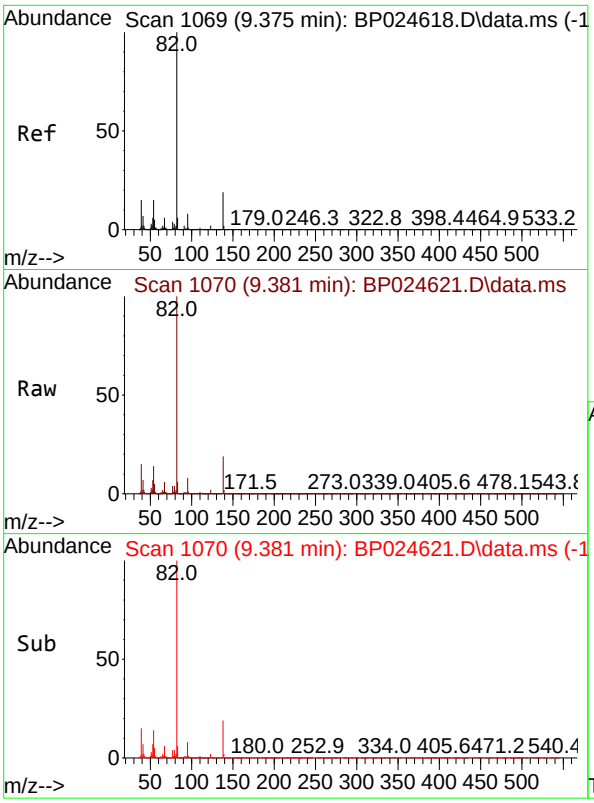


#24
Nitrobenzene
Concen: 79.016 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 804153

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.0
65	14.0	11.3	16.9



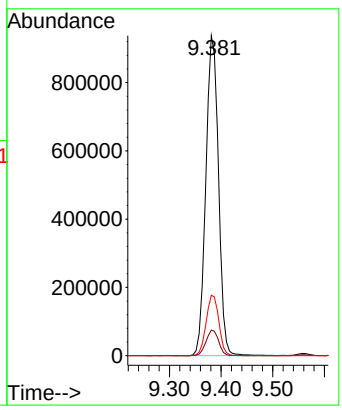


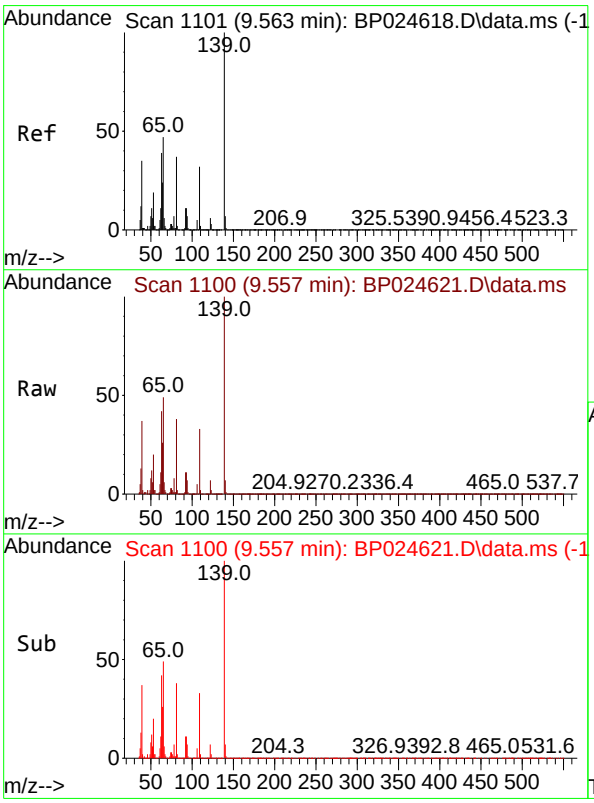
#25
Isophorone
Concen: 79.421 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1593235

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.3	9.5
138	18.9	15.3	22.9

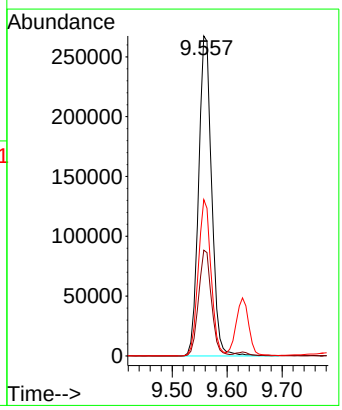


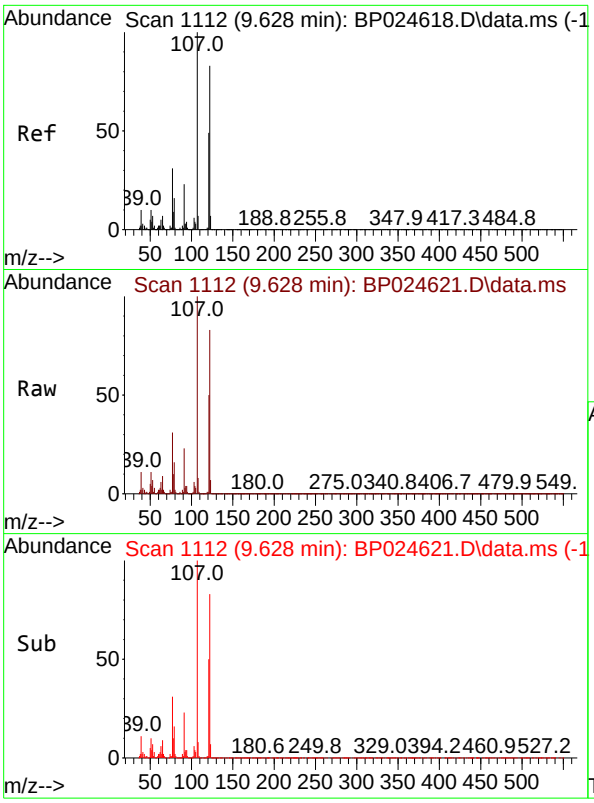


#26
2-Nitrophenol
Concen: 88.668 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 442185

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.9	38.9
65	48.8	37.9	56.9



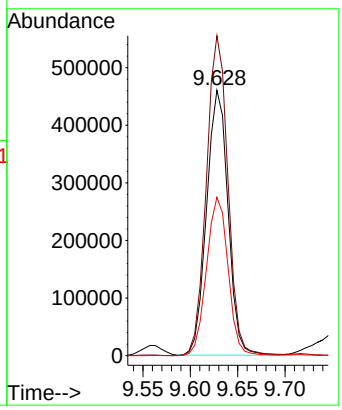


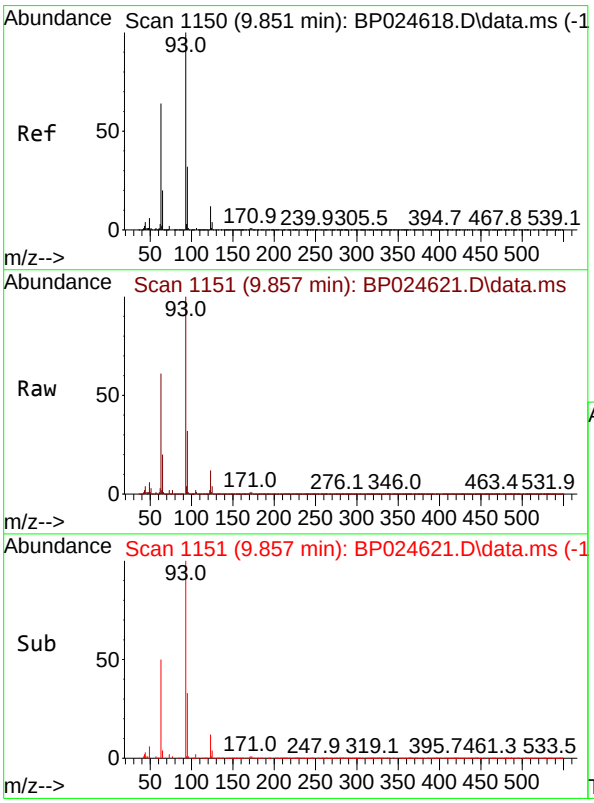
#27
2,4-Dimethylphenol
Concen: 82.165 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 722439

Ion	Ratio	Lower	Upper
122	100		
107	120.6	96.2	144.2
121	59.7	47.6	71.4

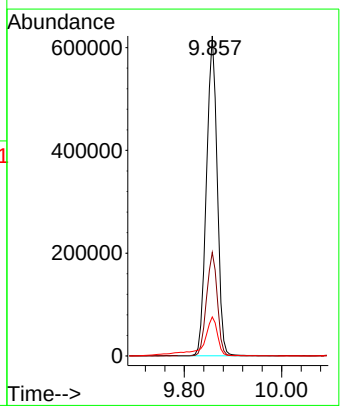


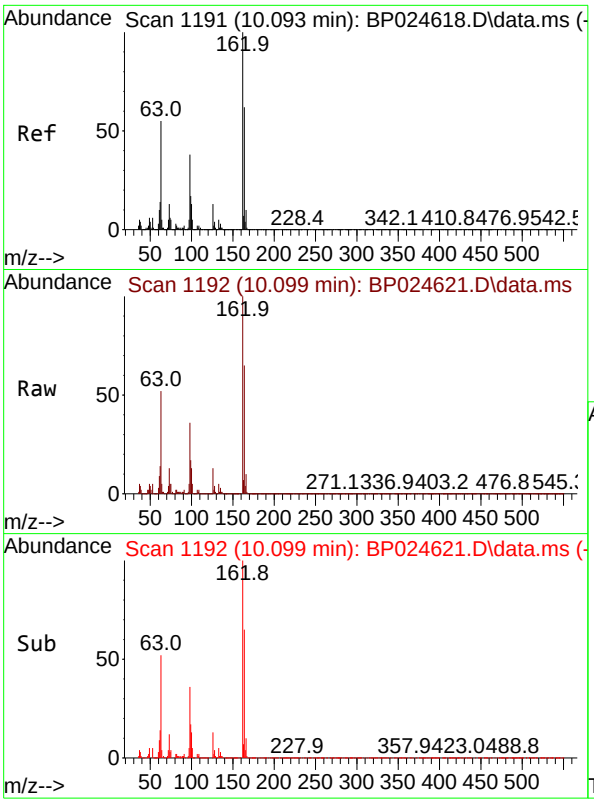


#28
bis(2-Chloroethoxy)methane
Concen: 78.984 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 946615

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	12.2	9.7	14.5



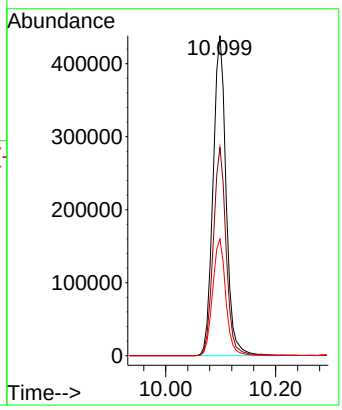


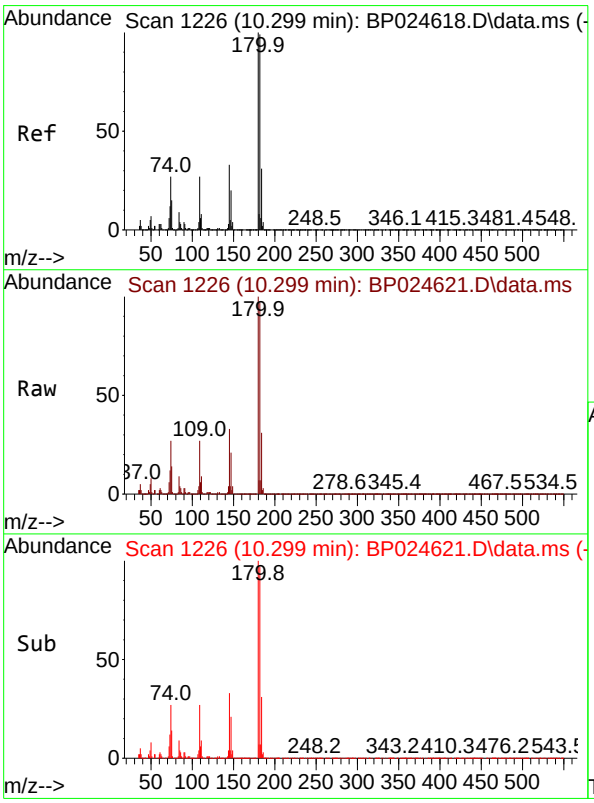
#29
2,4-Dichlorophenol
Concen: 84.703 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 721701

Ion	Ratio	Lower	Upper
162	100		
164	65.1	42.3	82.3
98	36.5	18.4	58.4

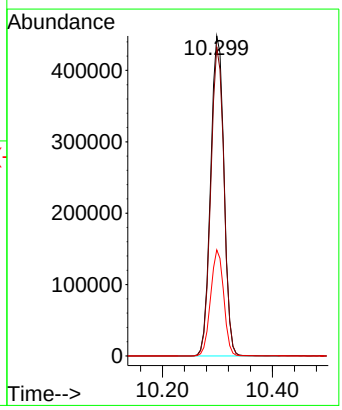


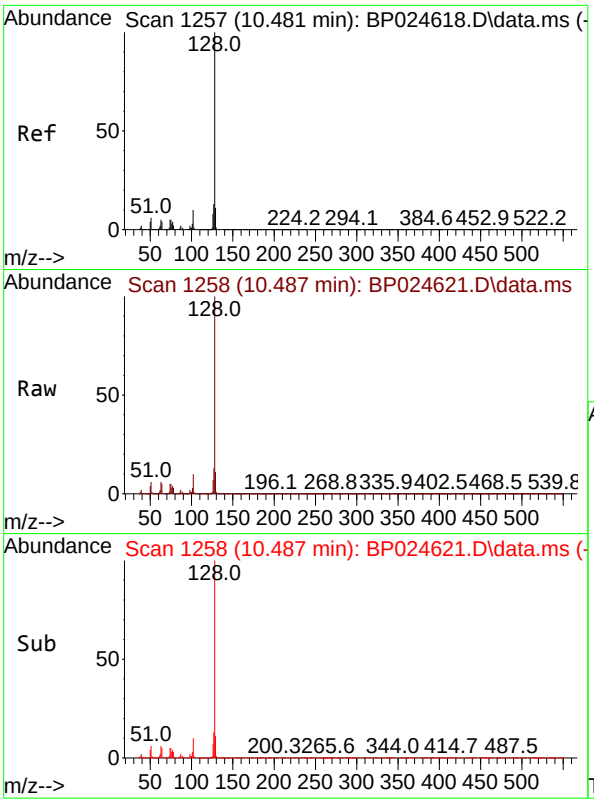


#30
1,2,4-Trichlorobenzene
Concen: 78.688 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:180 Resp: 755529

Ion	Ratio	Lower	Upper
180	100		
182	96.5	79.0	118.4
145	33.1	26.6	39.8



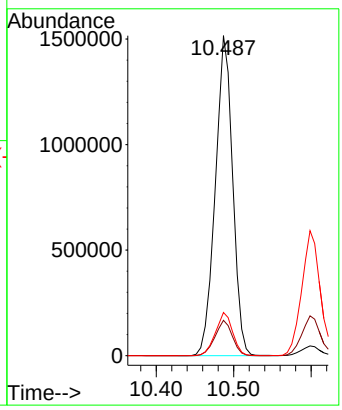


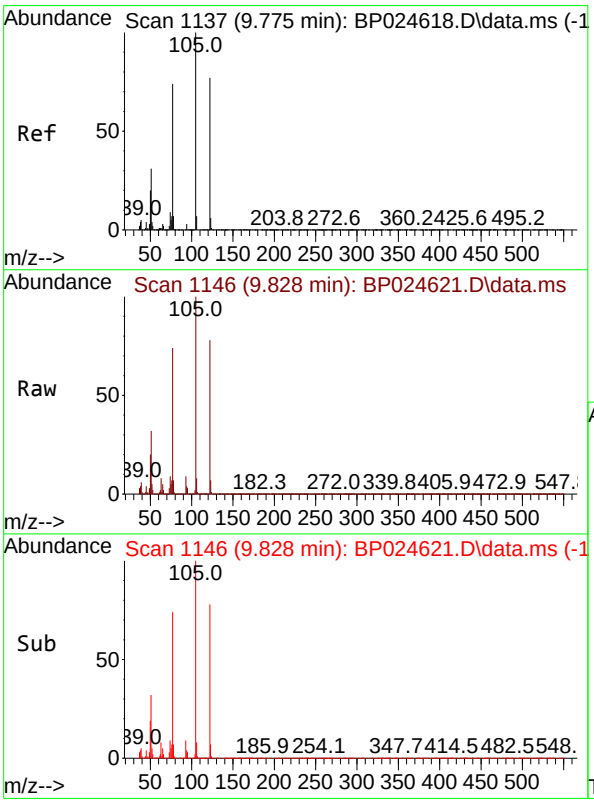
#31
Naphthalene
Concen: 77.766 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 2354789

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.7	16.1

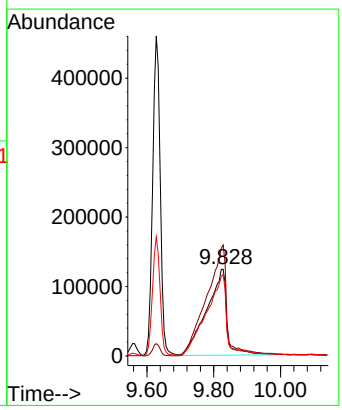


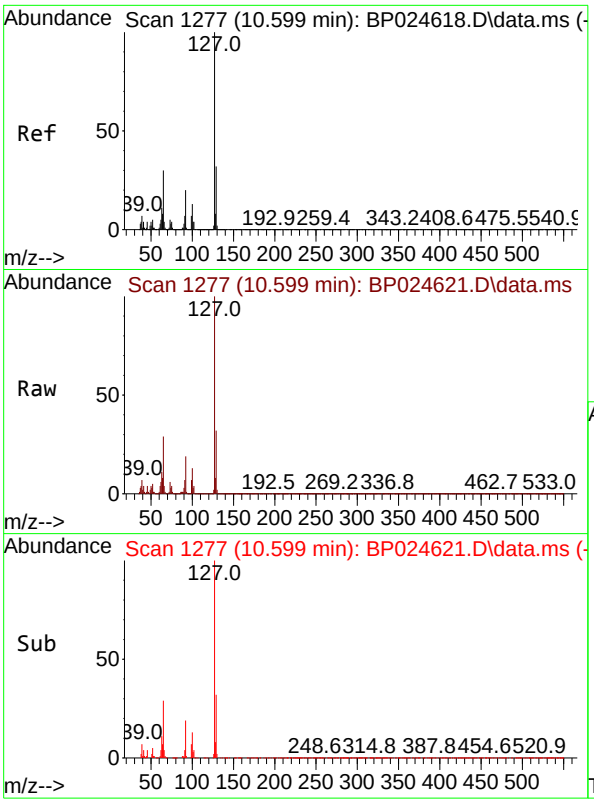


#32
Benzoic acid
Concen: 80.150 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 525308

Ion	Ratio	Lower	Upper
122	100		
105	127.9	106.9	146.9
77	94.2	75.1	115.1



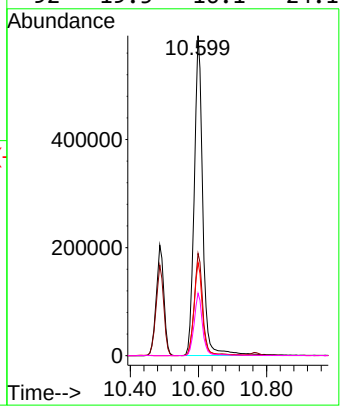


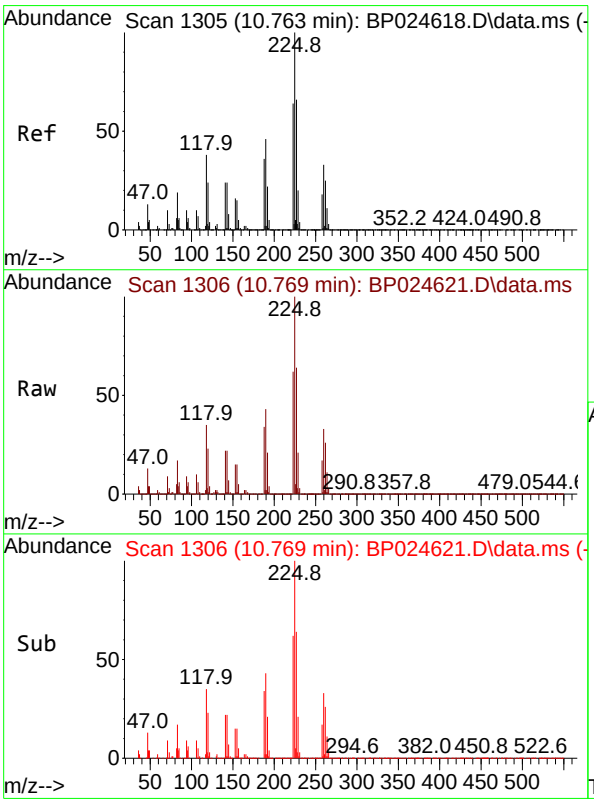
#33
4-Chloroaniline
Concen: 84.612 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1033865

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.1	23.9	35.9
92	19.5	16.1	24.1

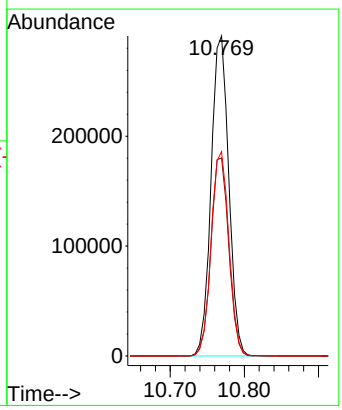


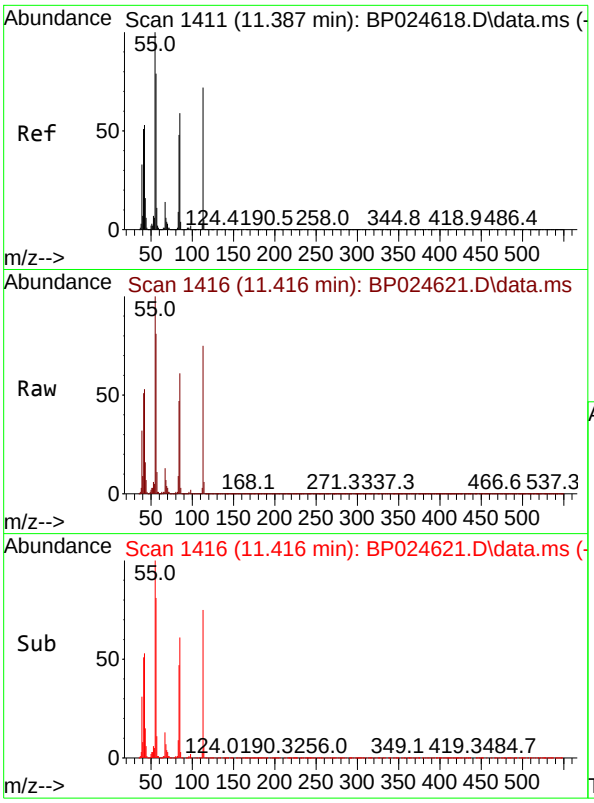


#34
Hexachlorobutadiene
Concen: 77.354 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:225 Resp: 481140

Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.6
227	63.8	53.1	79.7



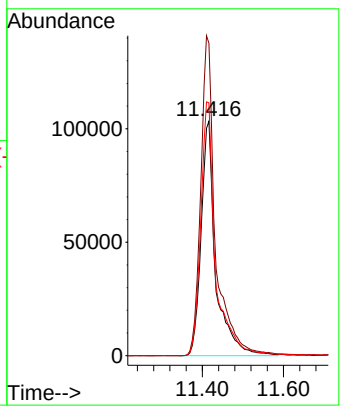


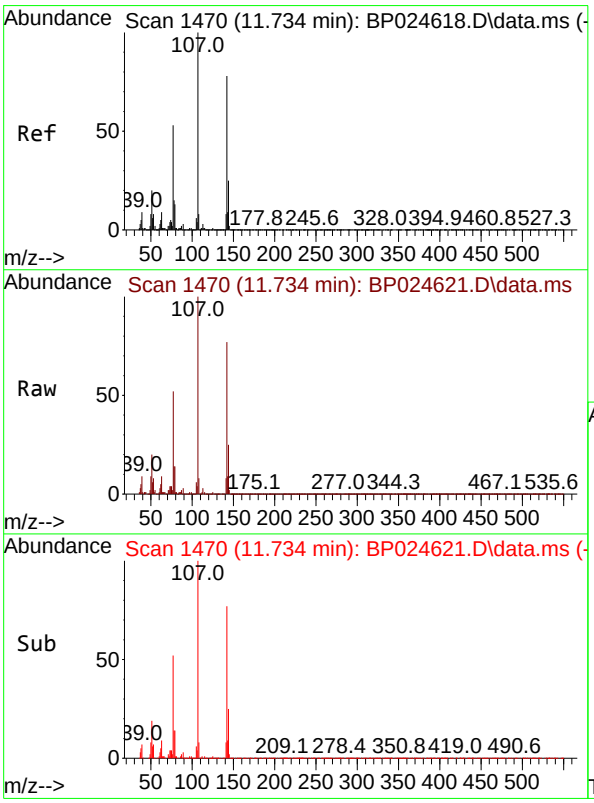
#35
Caprolactam
Concen: 83.498 ng
RT: 11.416 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 257252

Ion	Ratio	Lower	Upper
113	100		
55	133.3	119.0	159.0
56	107.8	90.3	130.3

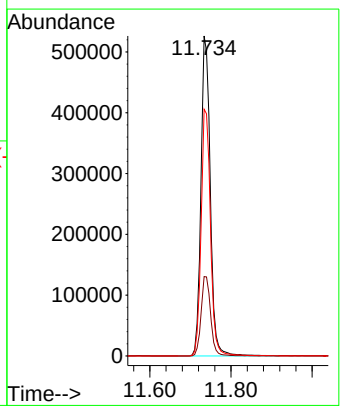


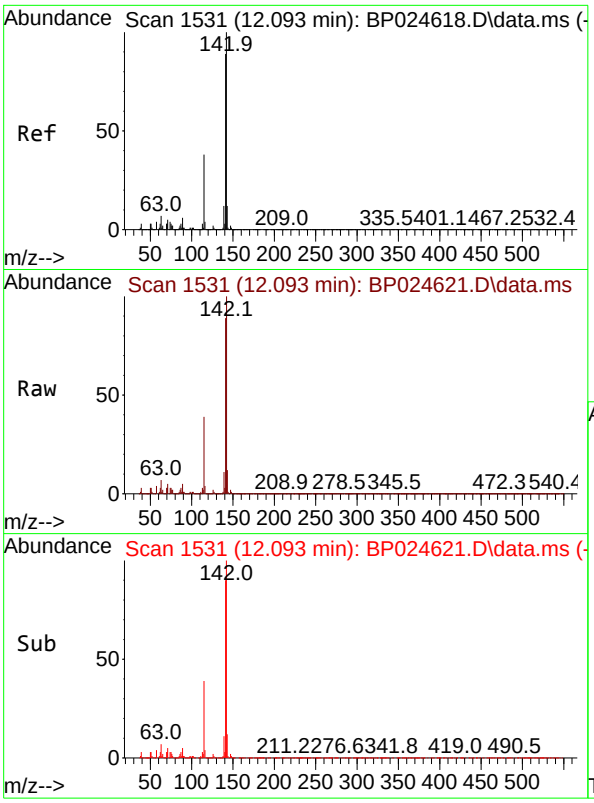


#36
4-Chloro-3-methylphenol
Concen: 80.745 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 838983

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.1	30.1
142	77.1	62.1	93.1



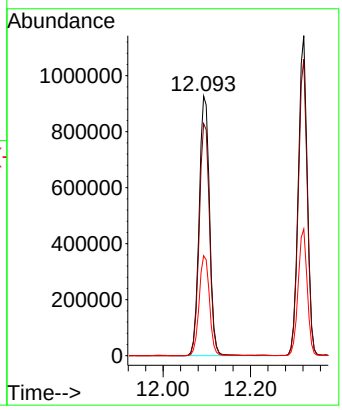


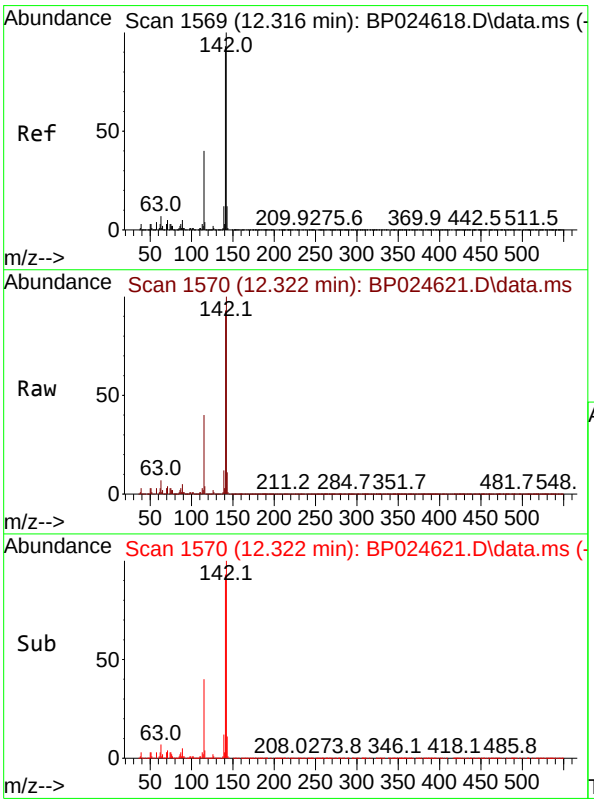
#37
2-Methylnaphthalene
Concen: 78.006 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1529445

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8
115	38.5	30.6	46.0

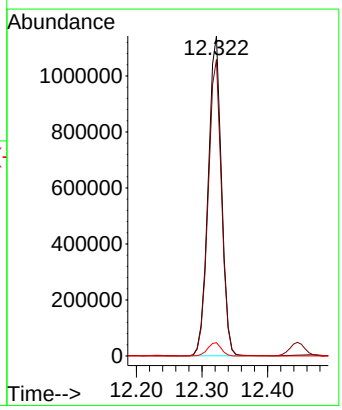


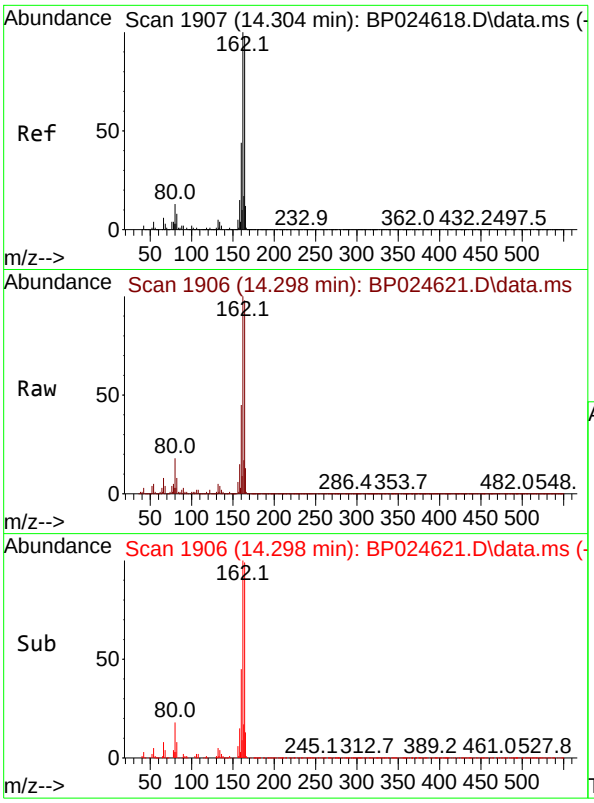


#38
1-Methylnaphthalene
Concen: 76.924 ng
RT: 12.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 1613775

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.1	3.4	5.2



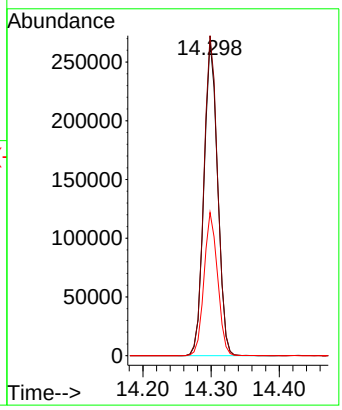


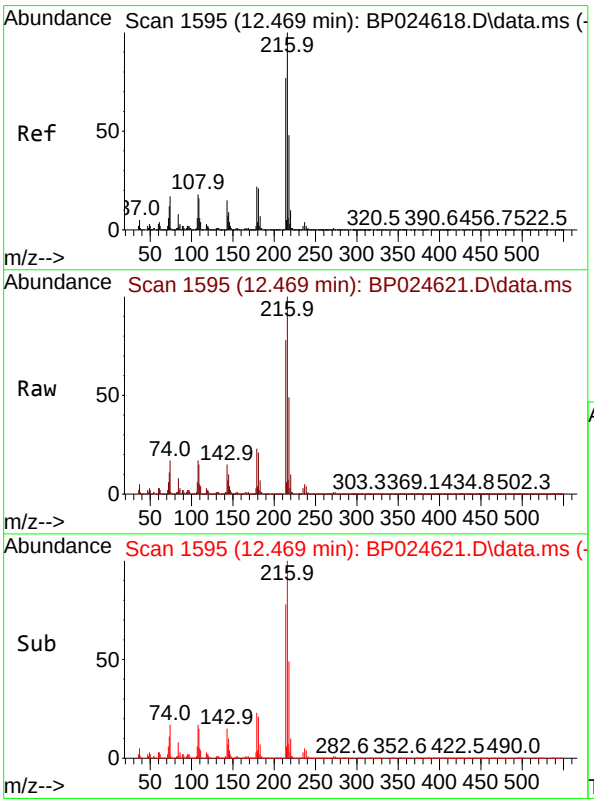
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 373575

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	45.5	36.3	54.5

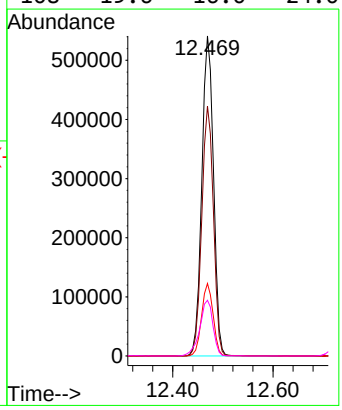


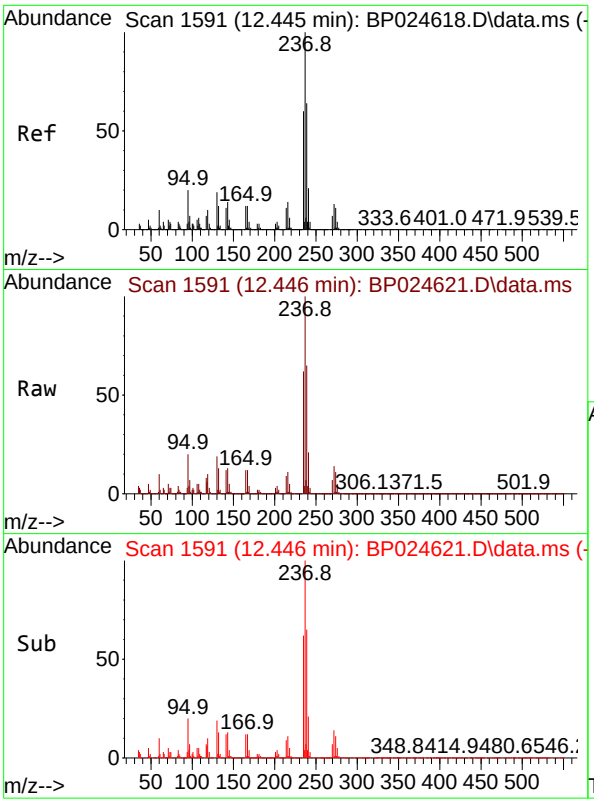


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.728 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:216 Resp: 875750

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.4	17.7	26.5
108	19.6	16.0	24.0



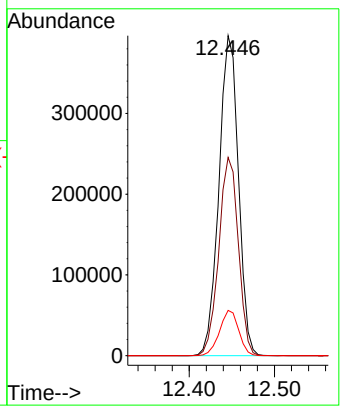


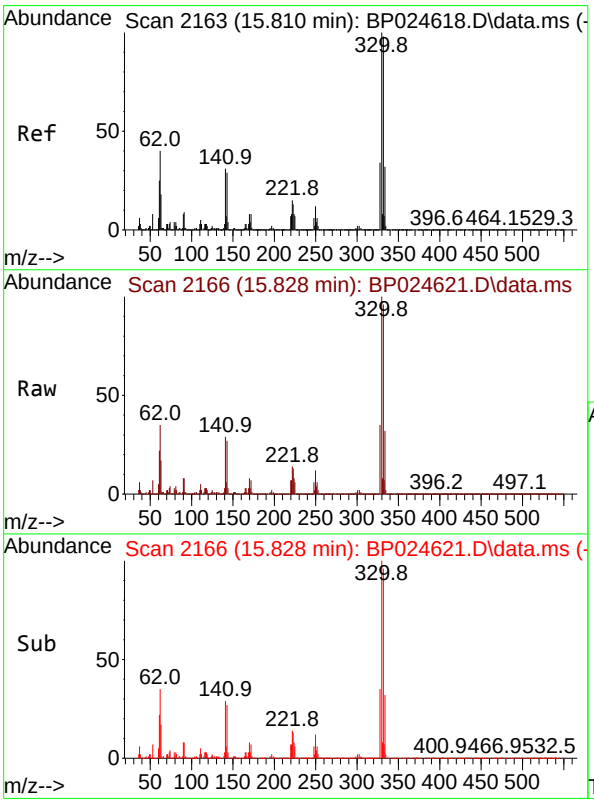
#41
Hexachlorocyclopentadiene
Concen: 95.536 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 628436

Ion	Ratio	Lower	Upper
237	100		
235	61.9	39.9	79.9
272	14.1	0.0	33.2

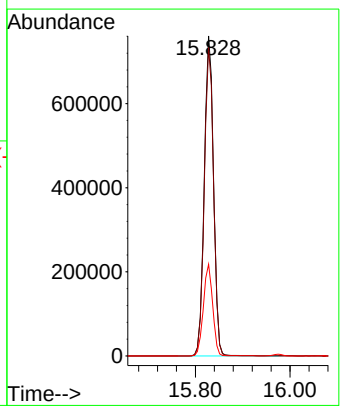


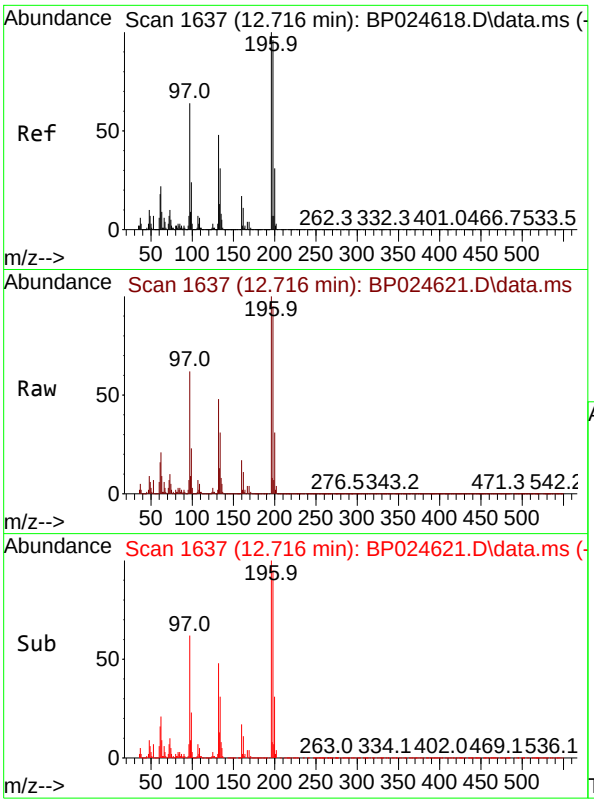


#42
2,4,6-Tribromophenol
Concen: 163.052 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:330 Resp: 1032638

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.4
141	28.8	24.3	36.5



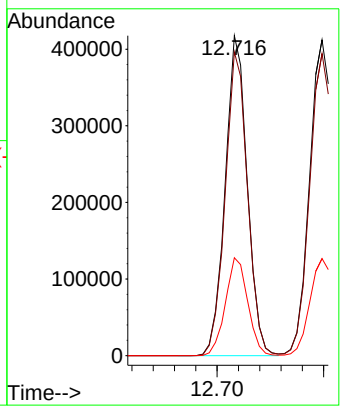


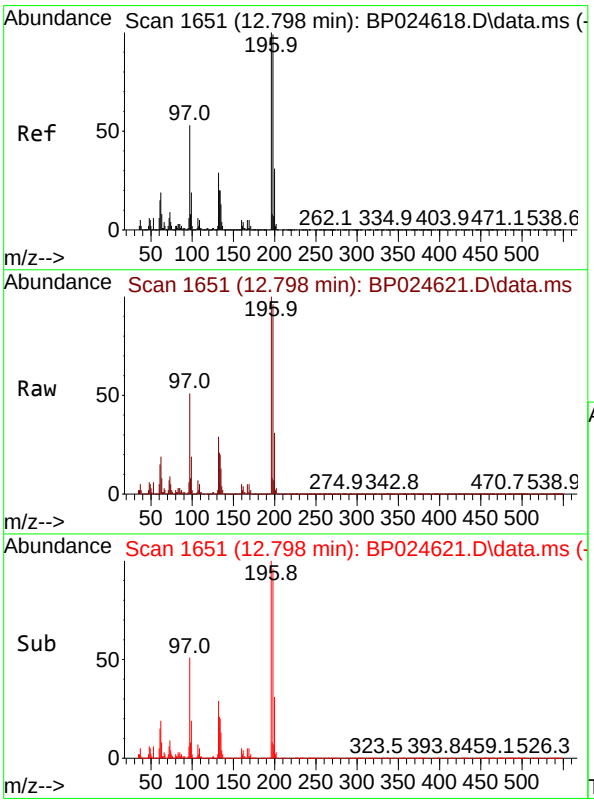
#43
2,4,6-Trichlorophenol
Concen: 85.581 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 601332

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.9	115.3
200	30.6	25.2	37.8

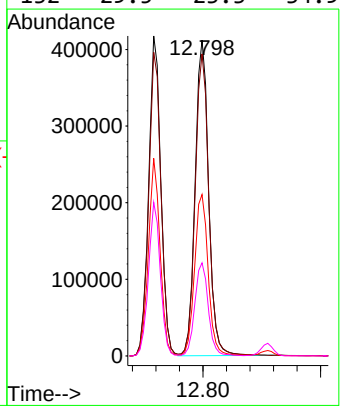


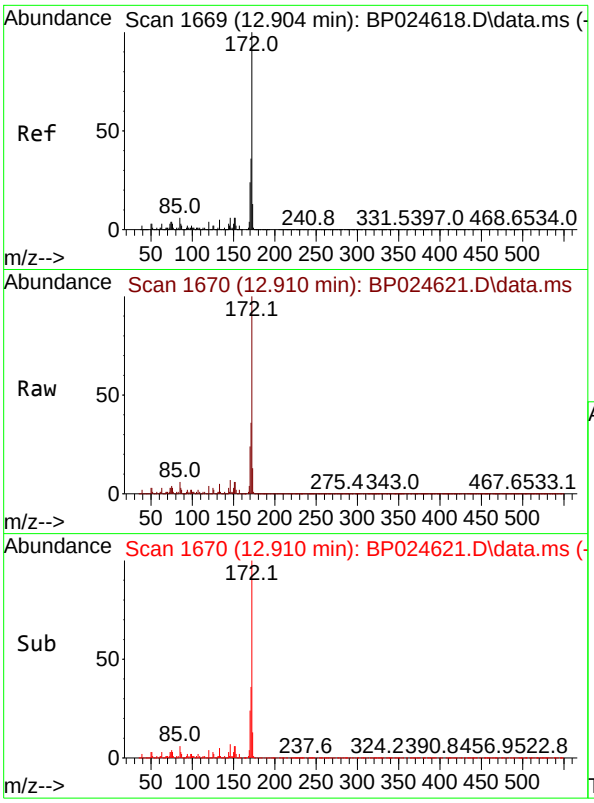


#44
2,4,5-Trichlorophenol
Concen: 84.052 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 657399

Ion	Ratio	Lower	Upper
196	100		
198	95.7	79.2	118.8
97	51.1	42.3	63.5
132	29.5	23.3	34.9



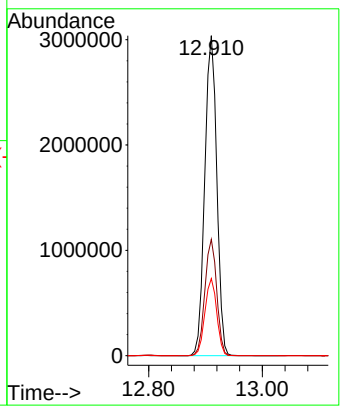


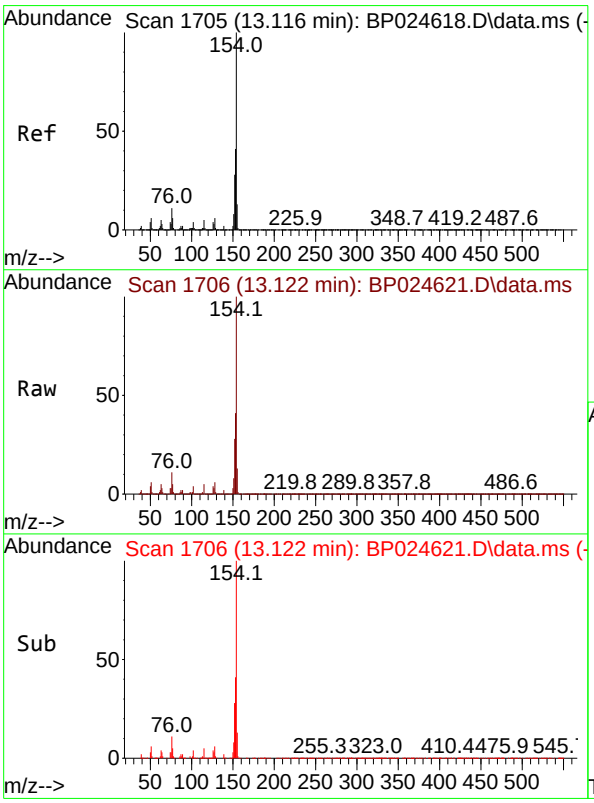
#45
2-Fluorobiphenyl
Concen: 155.647 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 4438179

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.8	43.2
170	24.1	18.8	28.2

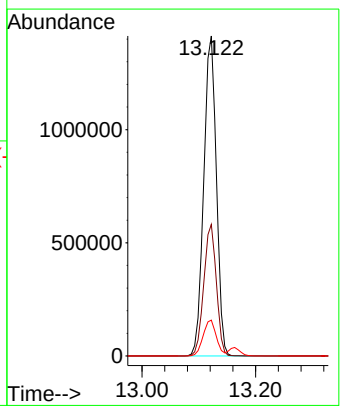


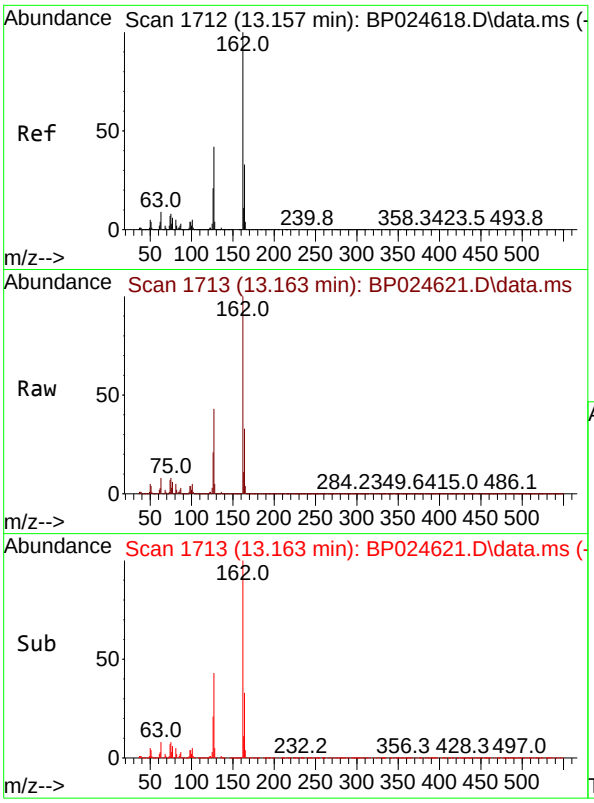


#46
1,1'-Biphenyl
Concen: 78.795 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 2175624

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.0	61.0
76	11.2	0.0	31.5



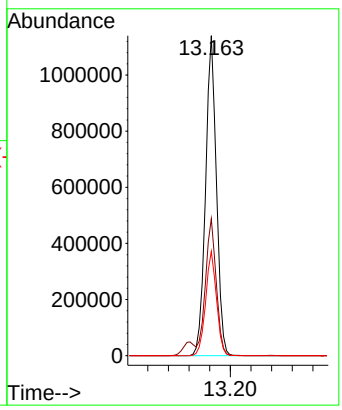


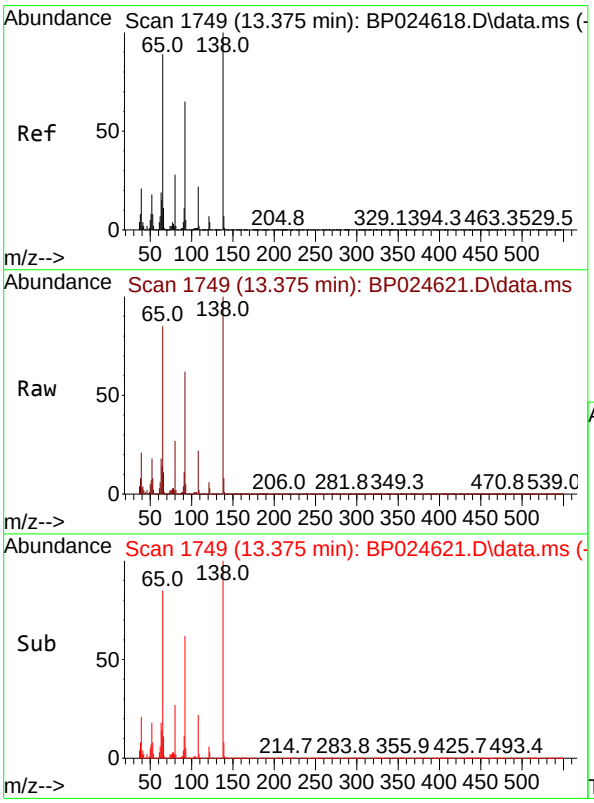
#47
2-Chloronaphthalene
Concen: 78.991 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1662979

Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	32.6	26.0	39.0

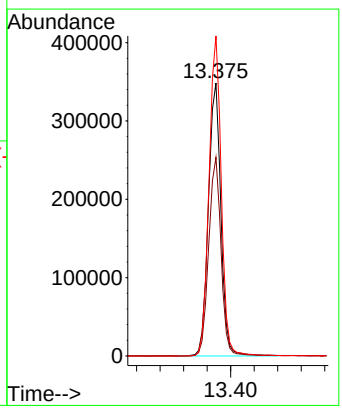


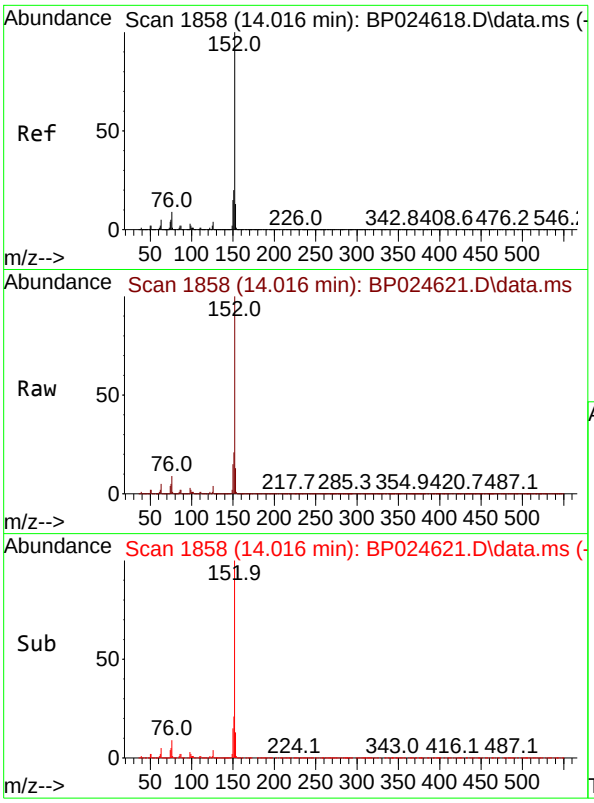


#48
2-Nitroaniline
Concen: 82.218 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 65 Resp: 512458

Ion	Ratio	Lower	Upper
65	100		
92	72.7	58.7	88.1
138	117.2	90.2	135.2



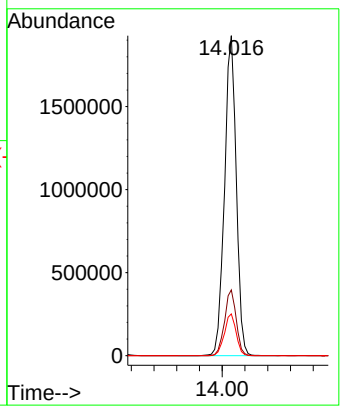


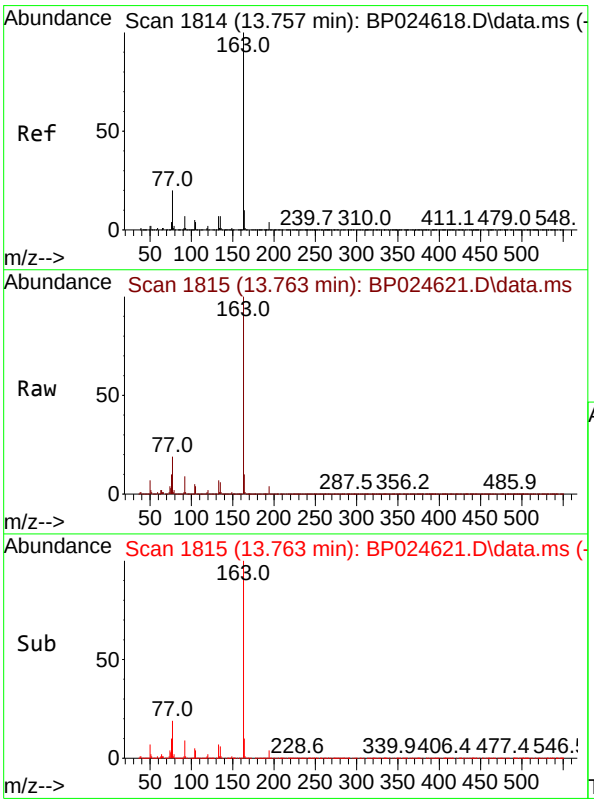
#49
Acenaphthylene
Concen: 78.729 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 2773742

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	13.1	10.2	15.4

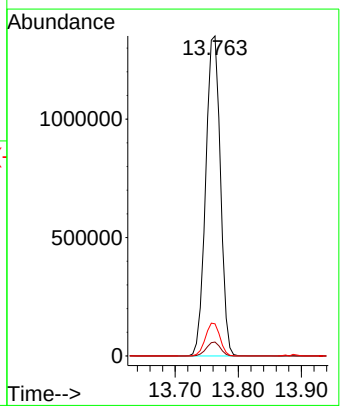


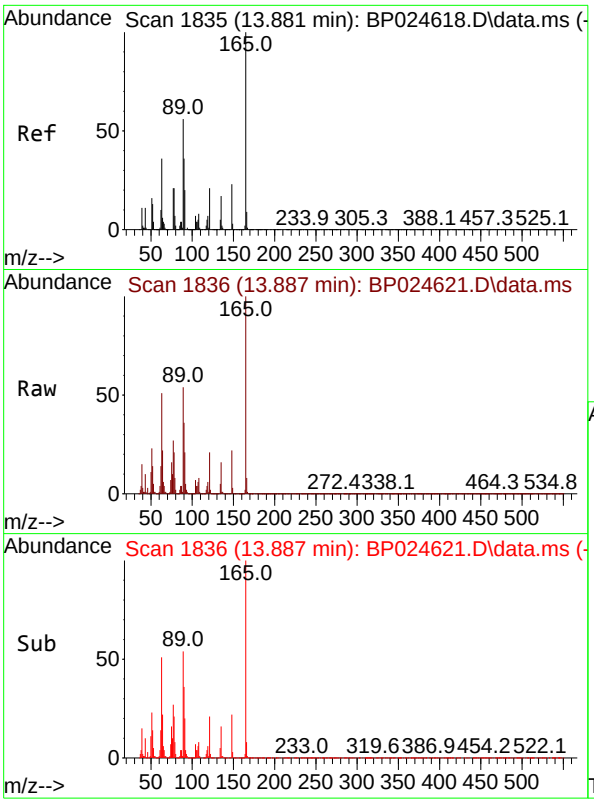


#50
Dimethylphthalate
Concen: 76.644 ng
RT: 13.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:163 Resp: 2182359

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.1	12.1



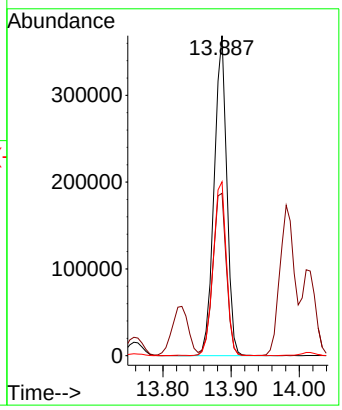


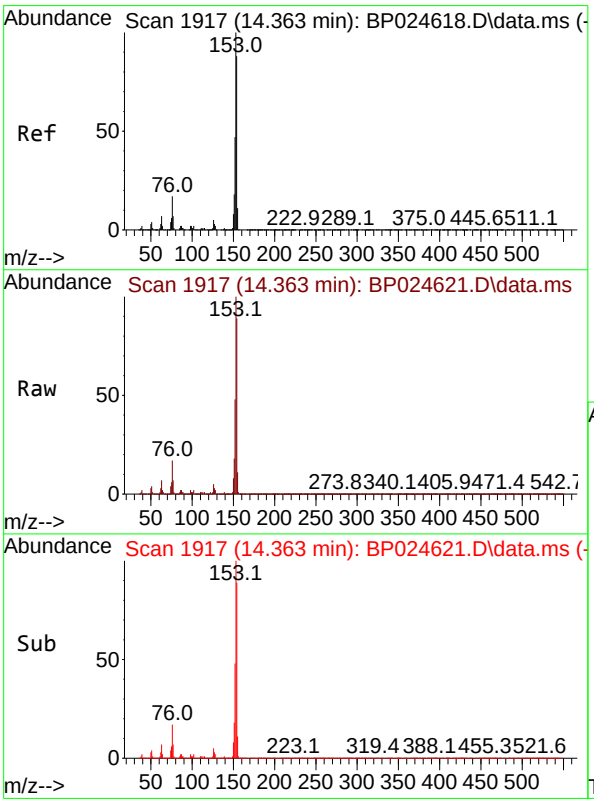
#51
2,6-Dinitrotoluene
Concen: 79.255 ng
RT: 13.887 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 476606

Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.4	63.6
89	54.4	44.8	67.2

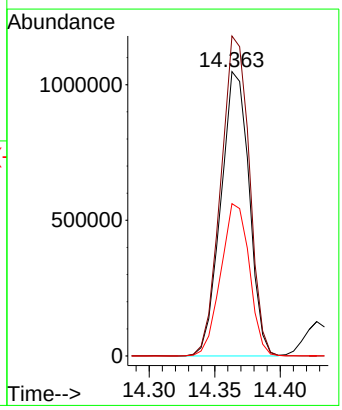


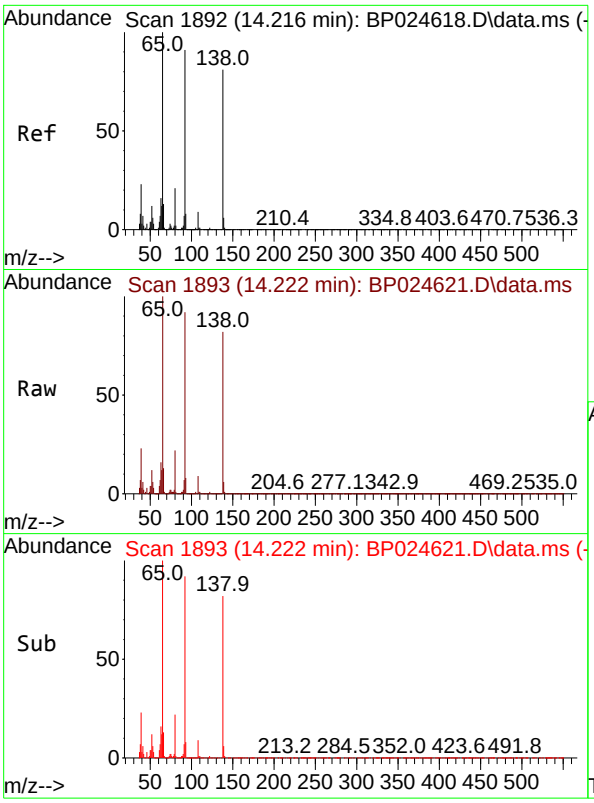


#52
Acenaphthene
Concen: 77.619 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 1572103

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.0	136.4
152	53.6	42.9	64.3



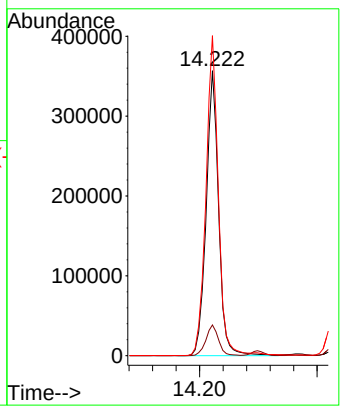


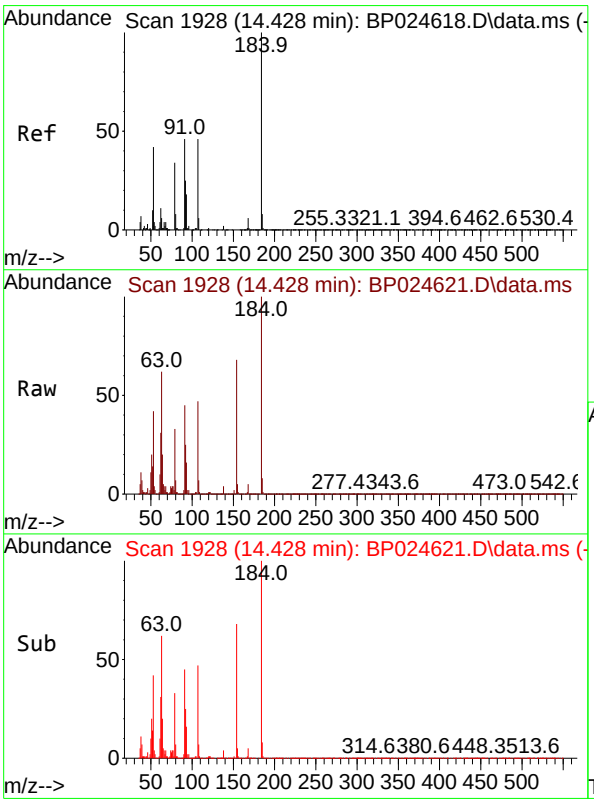
#53
3-Nitroaniline
Concen: 85.151 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 522849

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	112.3	90.1	135.1

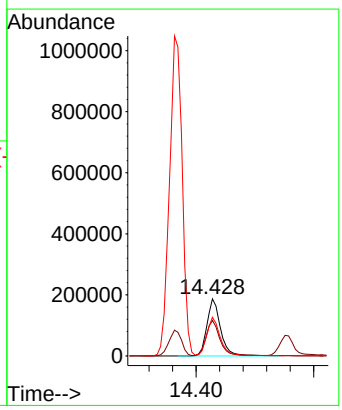


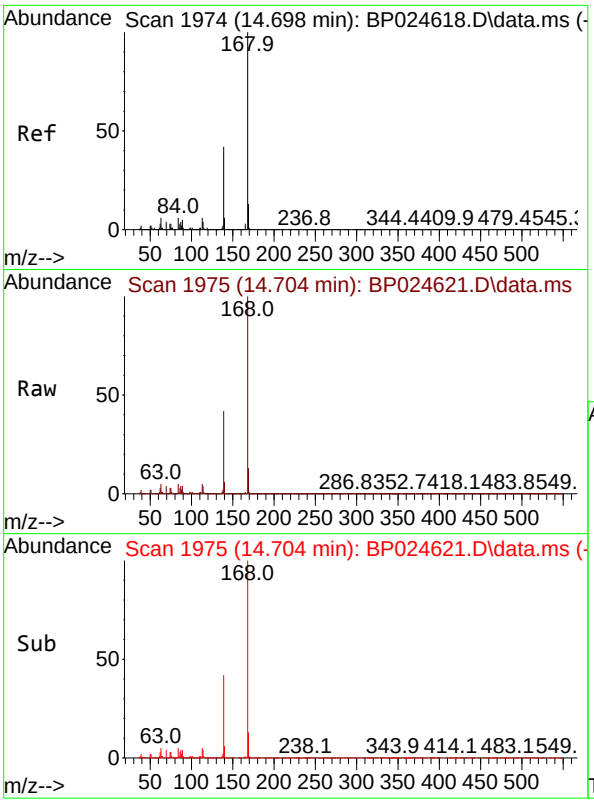


#54
2,4-Dinitrophenol
Concen: 79.295 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 300458

Ion	Ratio	Lower	Upper
184	100		
63	62.1	51.3	76.9
154	67.9	53.5	80.3



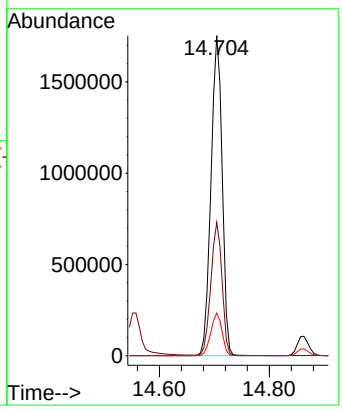


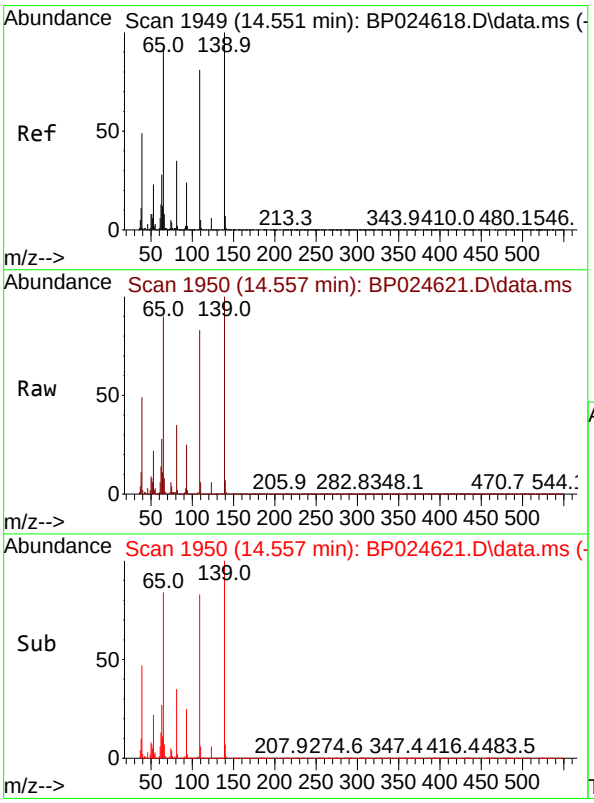
#55
Dibenzofuran
Concen: 76.684 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 2477374

Ion	Ratio	Lower	Upper
168	100		
139	41.7	34.2	51.4
169	13.4	10.8	16.2

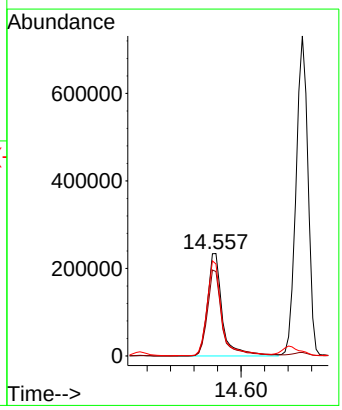


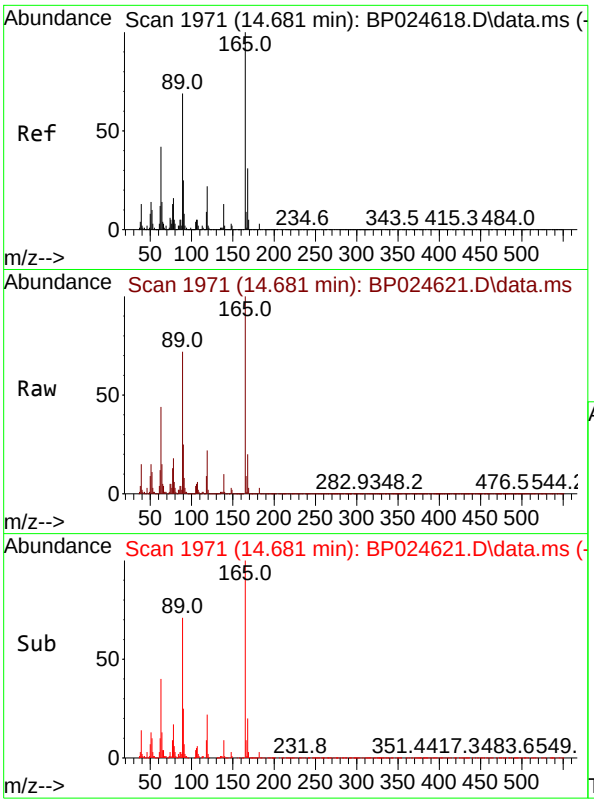


#56
4-Nitrophenol
Concen: 77.271 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 409954

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.4	101.4
65	89.8	72.2	112.2



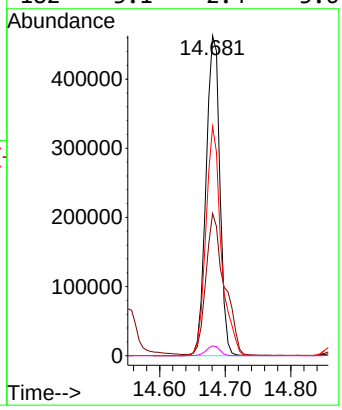


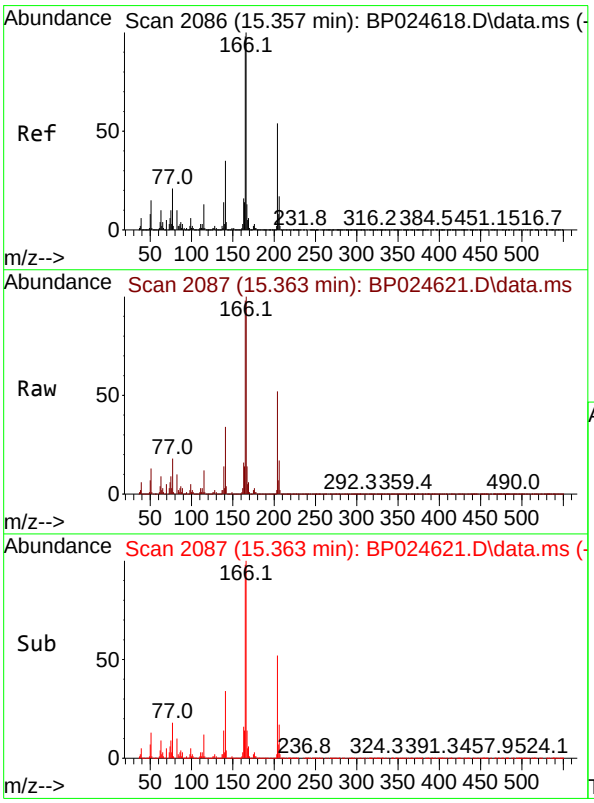
#57
2,4-Dinitrotoluene
Concen: 80.005 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 678287

Ion	Ratio	Lower	Upper
165	100		
63	44.4	33.8	50.6
89	71.6	55.6	83.4
182	3.1	2.4	3.6

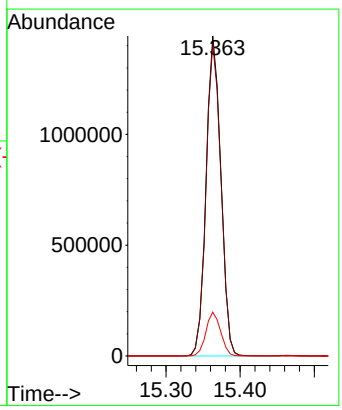


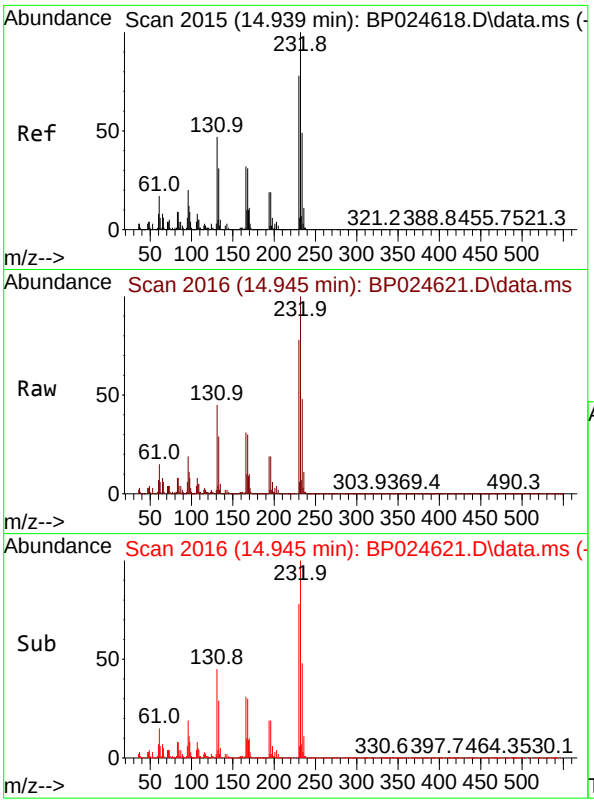


#58
Fluorene
Concen: 76.064 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:166 Resp: 2003709

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.7	10.7	16.1



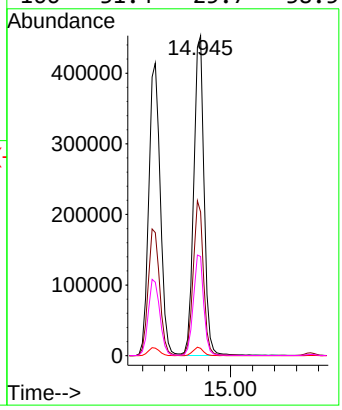


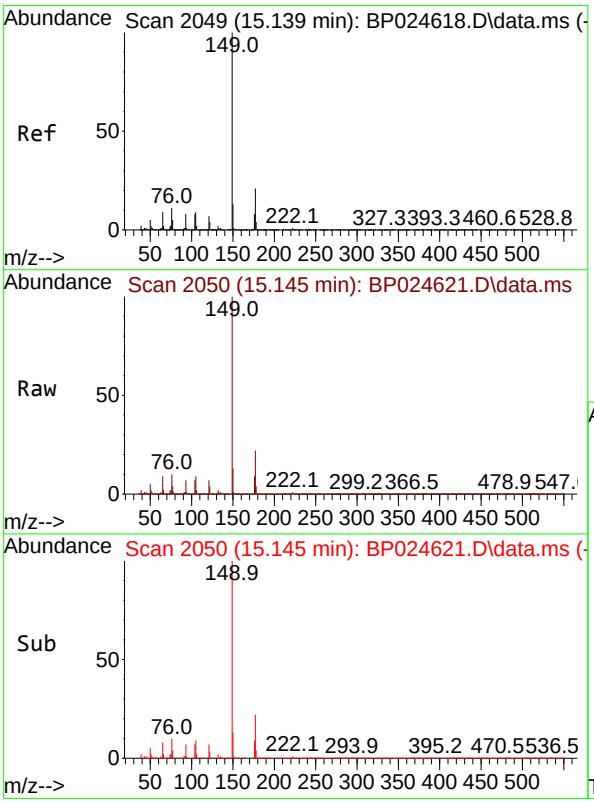
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.172 ng
RT: 14.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 588947

Ion	Ratio	Lower	Upper
232	100		
131	48.1	39.5	59.3
130	2.6	2.2	3.4
166	31.4	25.7	38.5

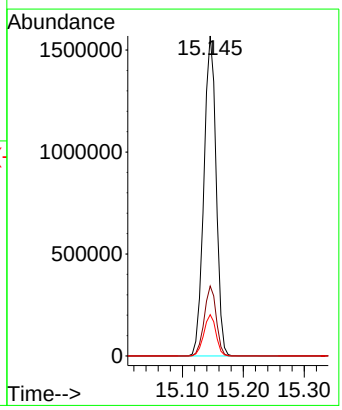


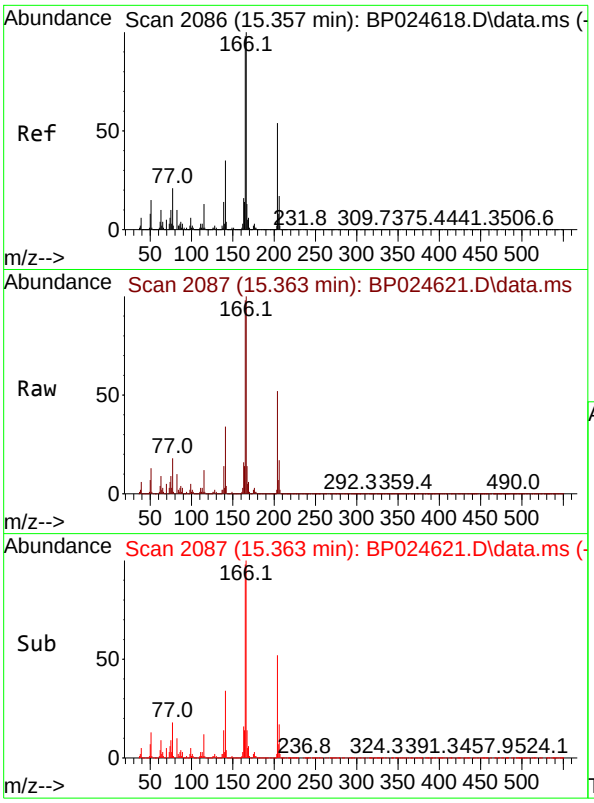


#60
Diethylphthalate
Concen: 76.218 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2193488

Ion	Ratio	Lower	Upper
149	100		
177	21.9	16.7	25.1
150	12.9	10.2	15.2



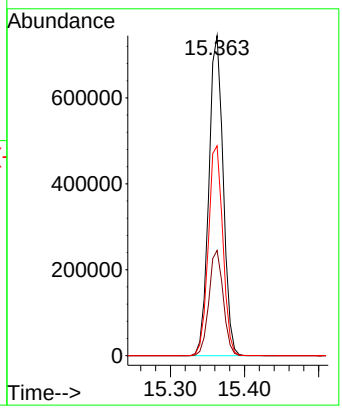


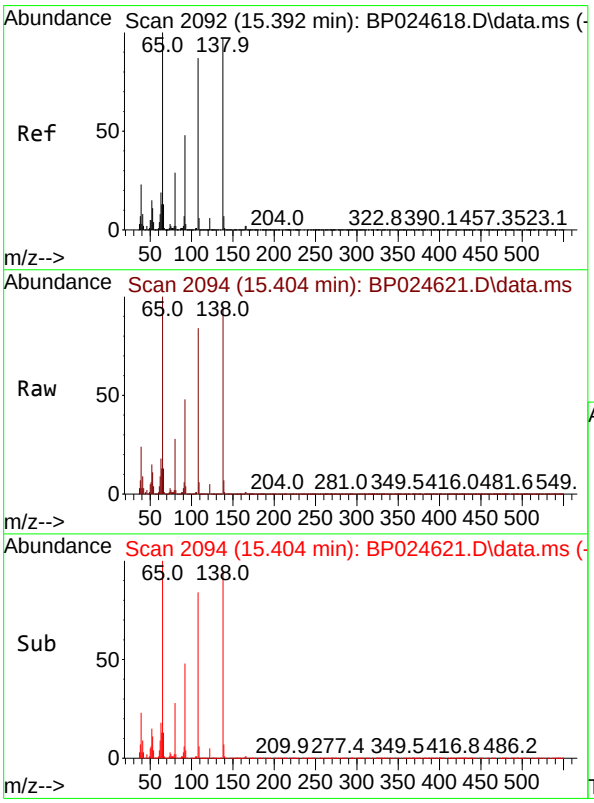
#61
4-Chlorophenyl-phenylether
Concen: 75.958 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 997863

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	65.6	52.9	79.3

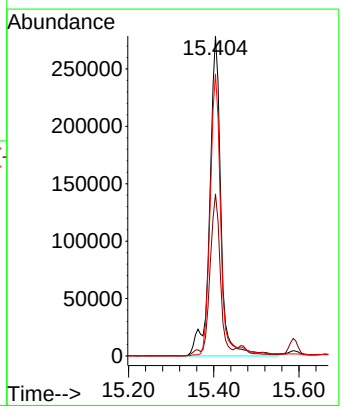


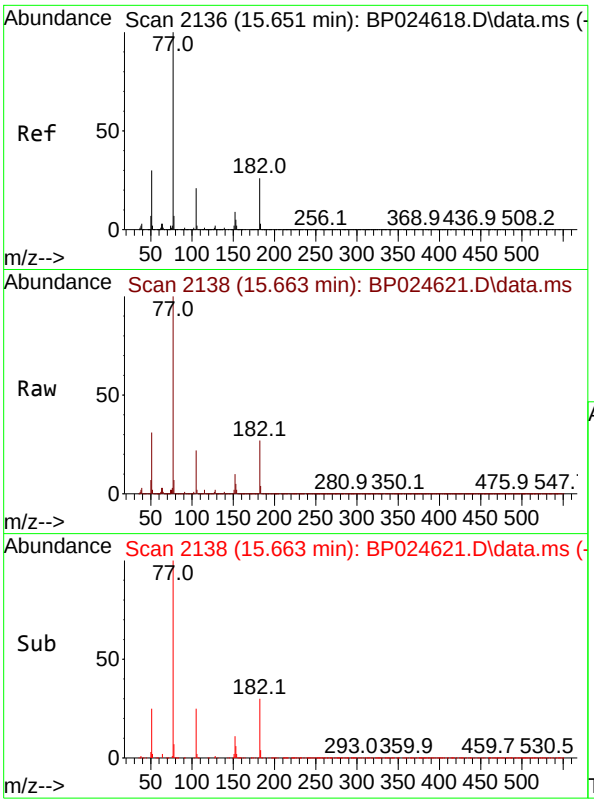


#62
4-Nitroaniline
Concen: 85.237 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 509582

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.2	69.2
108	88.2	69.0	109.0



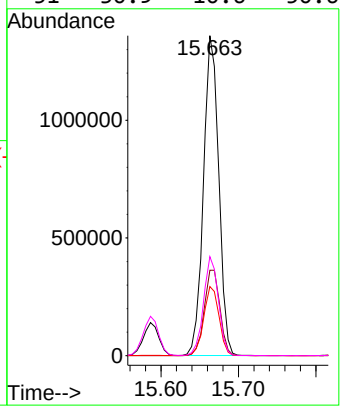


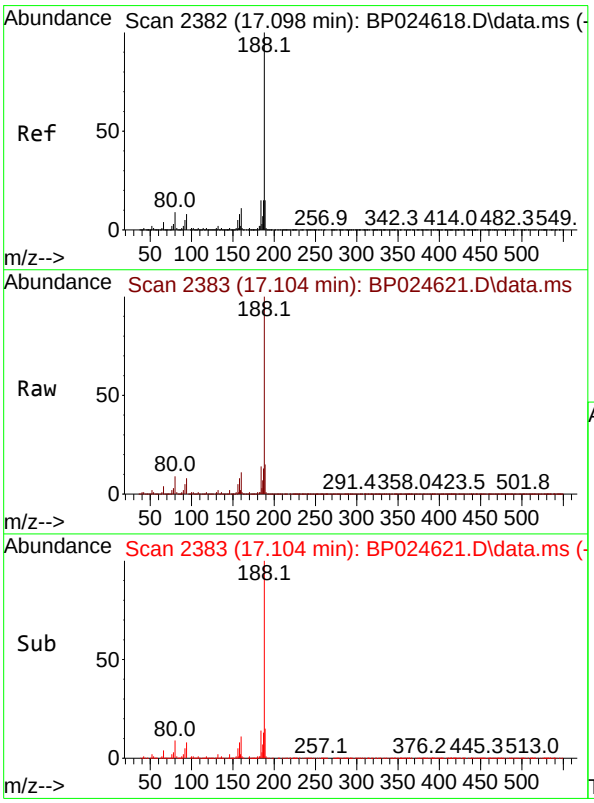
#63
Azobenzene
Concen: 75.474 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1858146

Ion	Ratio	Lower	Upper
77	100		
182	26.7	5.7	45.7
105	21.6	1.3	41.3
51	30.9	10.6	50.6

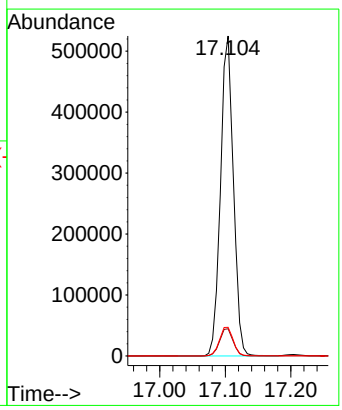


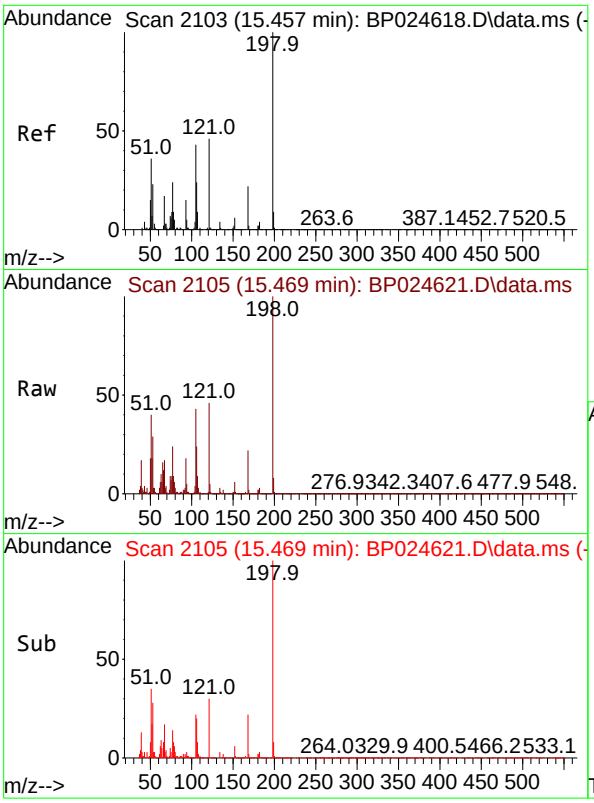


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:188 Resp: 713479

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.5	9.7
80	9.0	7.3	10.9



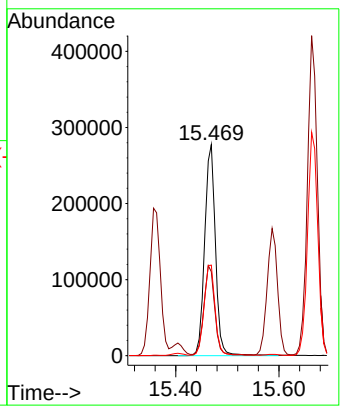


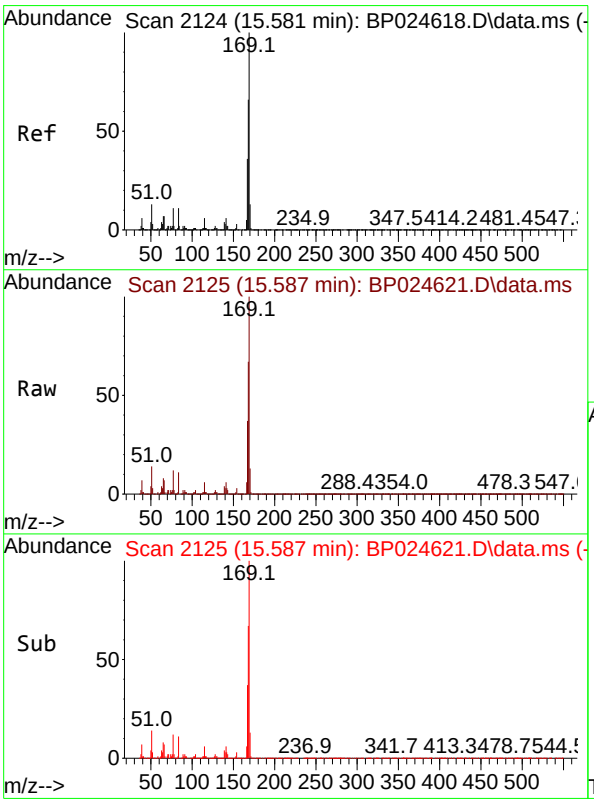
#65
4,6-Dinitro-2-methylphenol
Concen: 87.013 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 401011

Ion	Ratio	Lower	Upper
198	100		
51	39.8	21.1	61.1
105	42.9	23.6	63.6

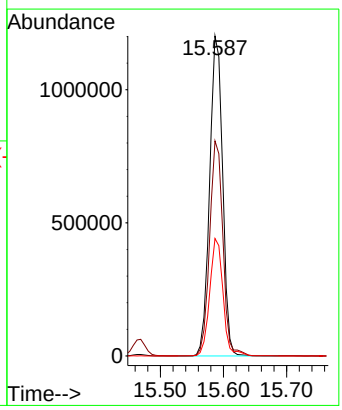


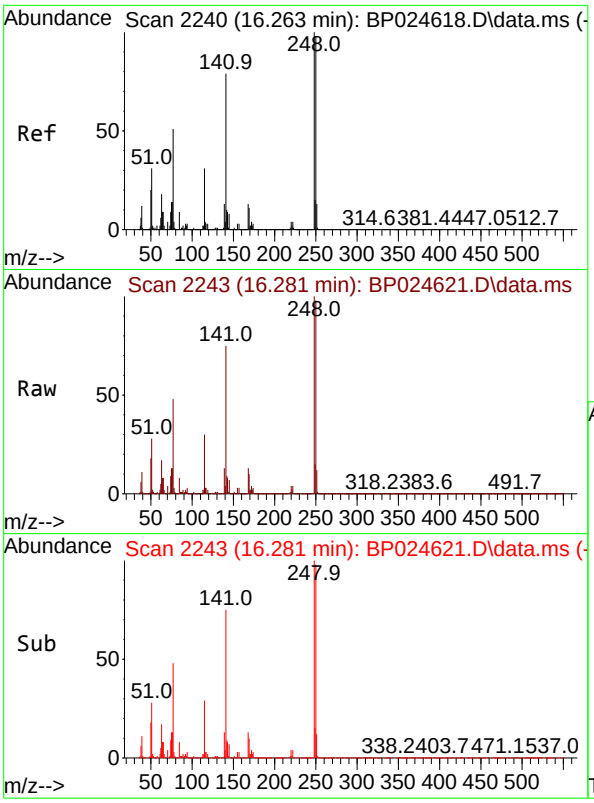


#66
n-Nitrosodiphenylamine
Concen: 78.104 ng
RT: 15.587 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:169 Resp: 1711679

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.7	28.6	43.0



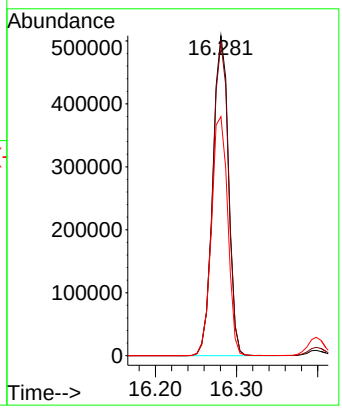


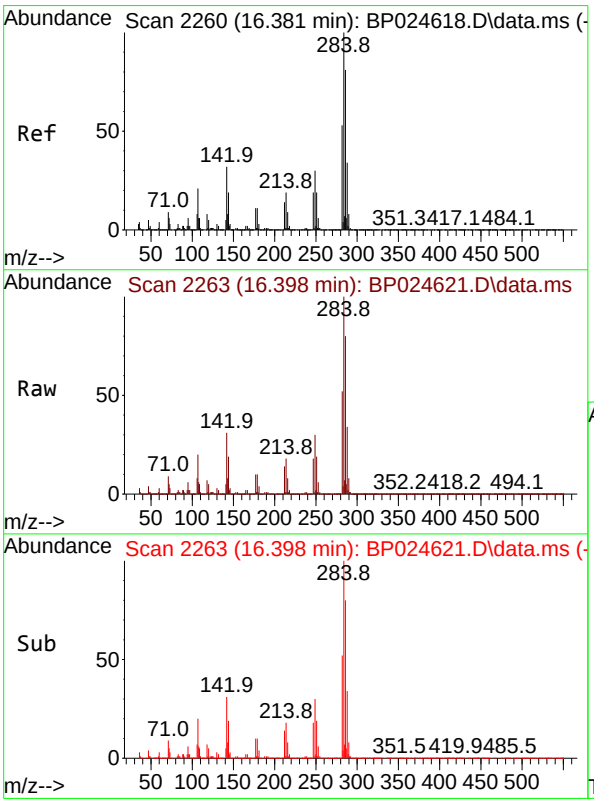
#67
4-Bromophenyl-phenylether
Concen: 81.432 ng
RT: 16.281 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 684619

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	74.7	63.0	94.6

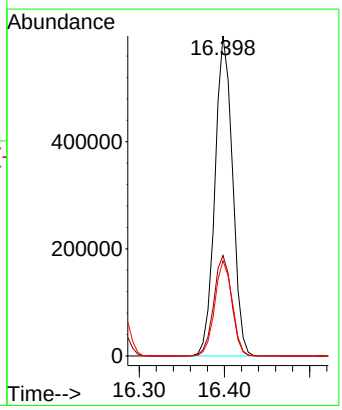


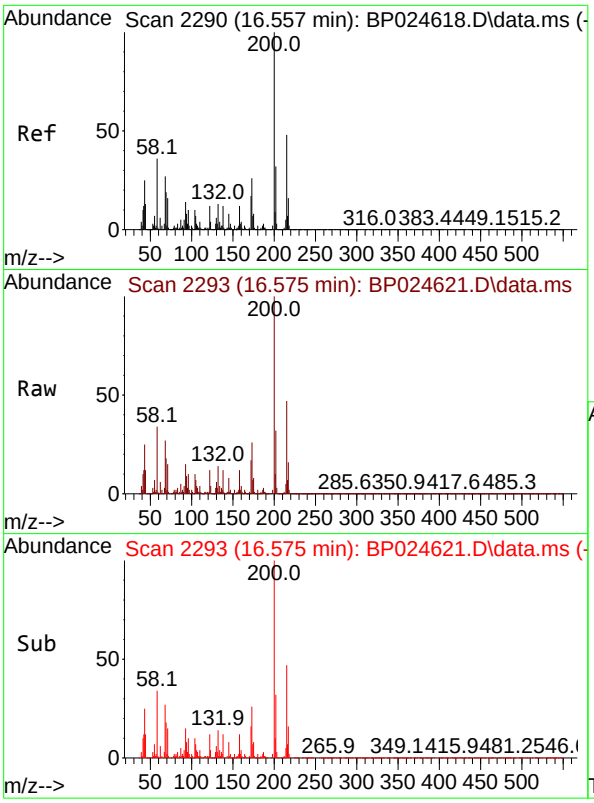


#68
Hexachlorobenzene
Concen: 80.179 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:284 Resp: 856547

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.9	38.9
249	29.7	24.1	36.1



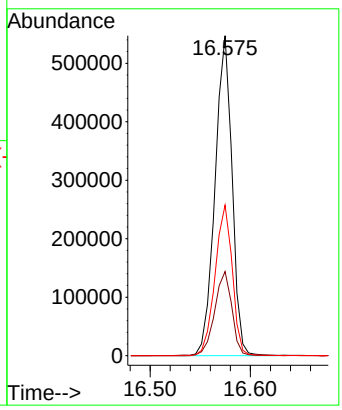


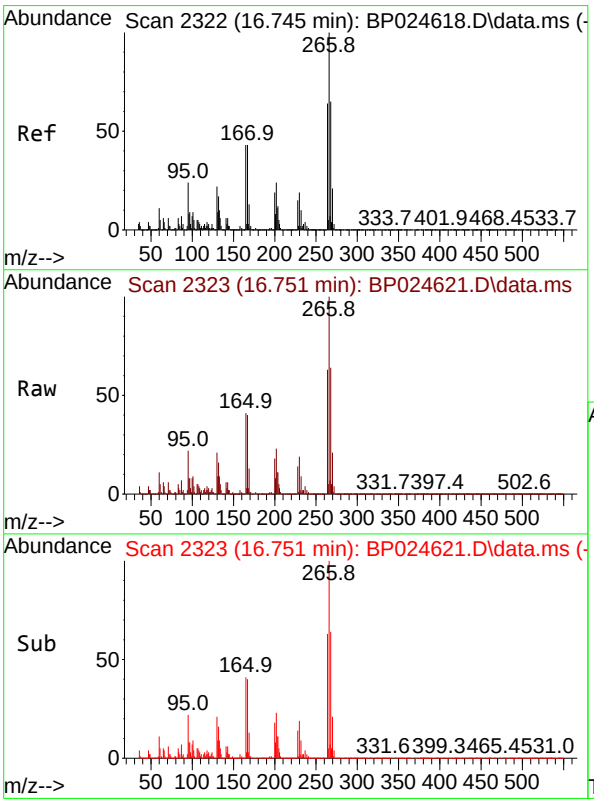
#69
Atrazine
Concen: 80.420 ng
RT: 16.575 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 645877

Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.9	45.9
215	47.1	28.3	68.3

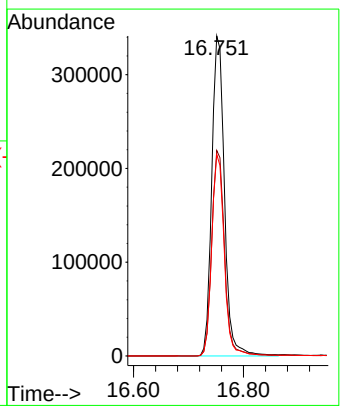


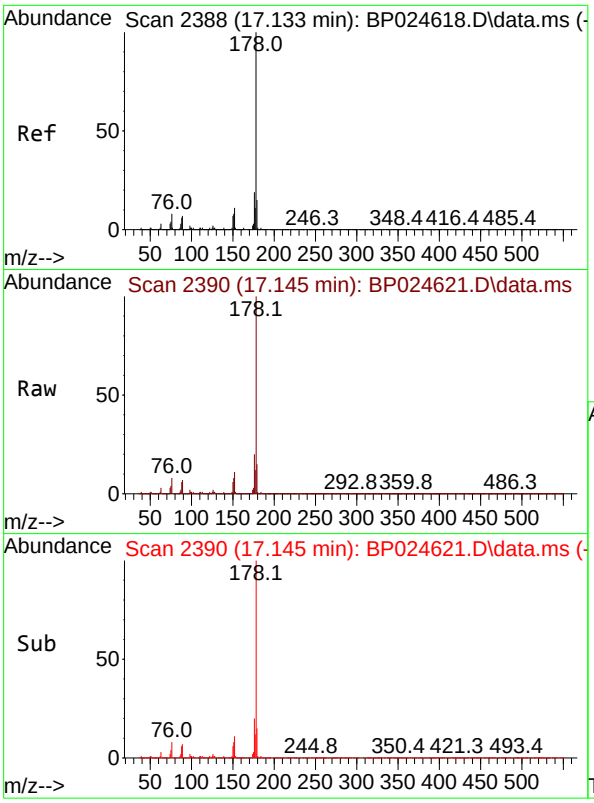


#70
Pentachlorophenol
Concen: 91.410 ng
RT: 16.751 min Scan# 2323
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:266 Resp: 548492

Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.2	78.4
264	62.9	51.1	76.7



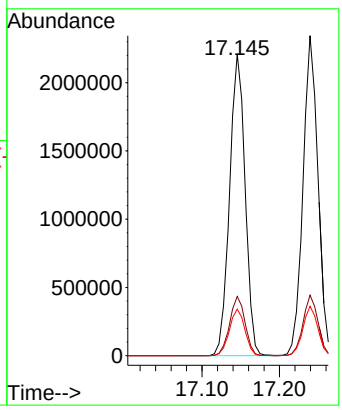


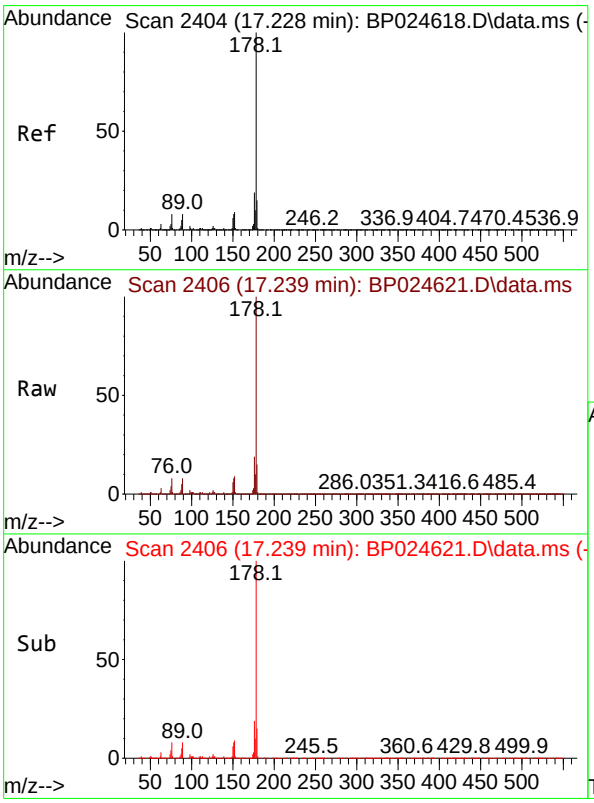
#71
Phenanthrene
Concen: 77.948 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 3091665

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.2	18.4

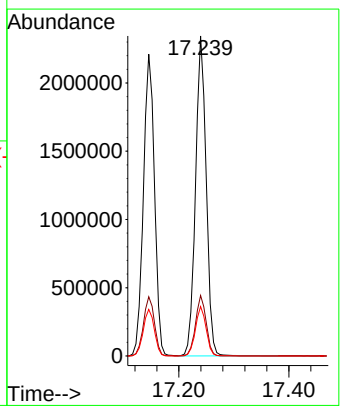


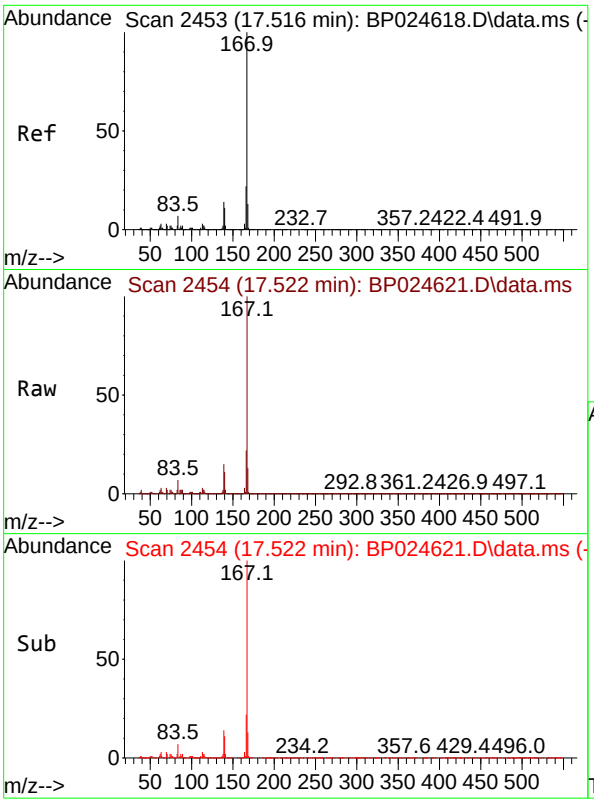


#72
Anthracene
Concen: 79.228 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 3161669

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.2



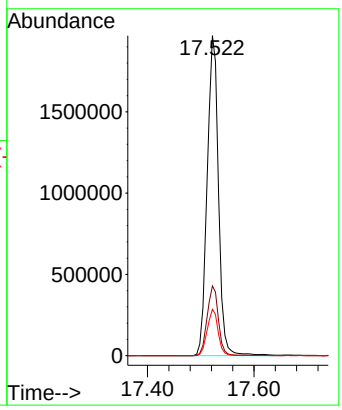


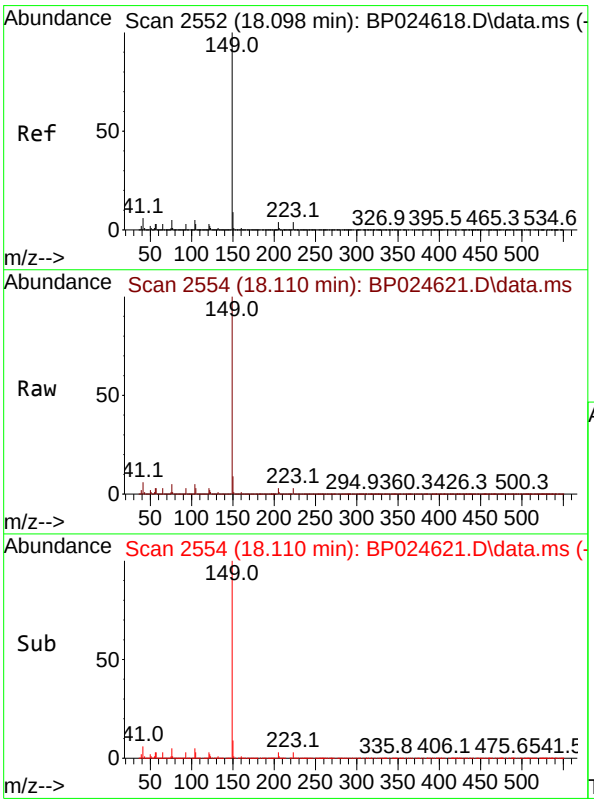
#73
Carbazole
Concen: 80.076 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 2892236

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.5	11.3	16.9

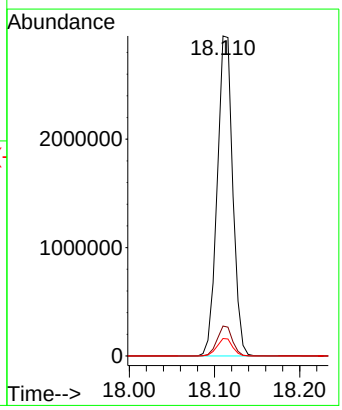


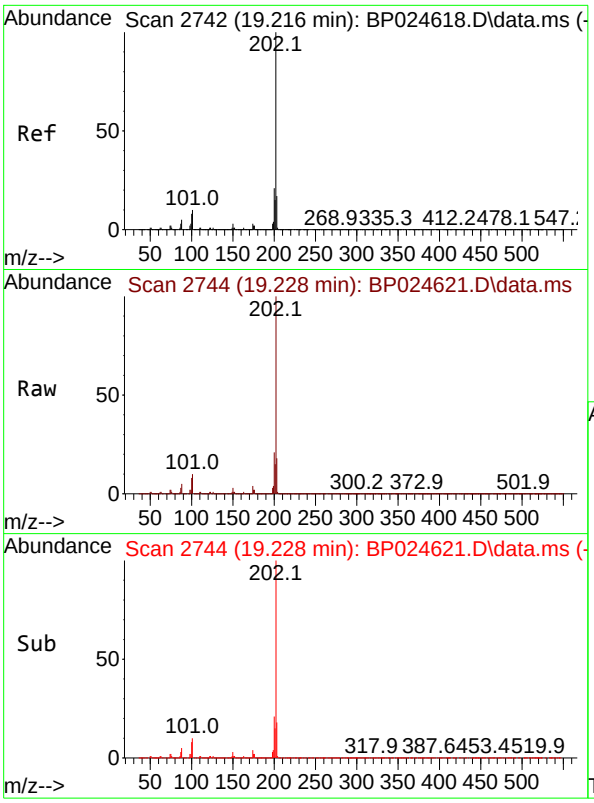


#74
Di-n-butylphthalate
Concen: 80.684 ng
RT: 18.110 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 3747927

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.5	4.3	6.5



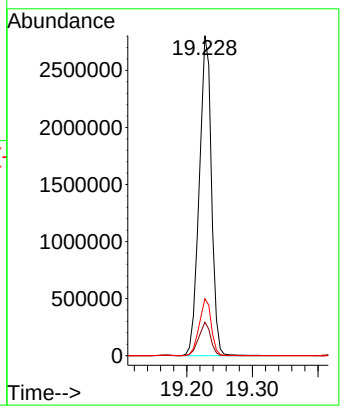


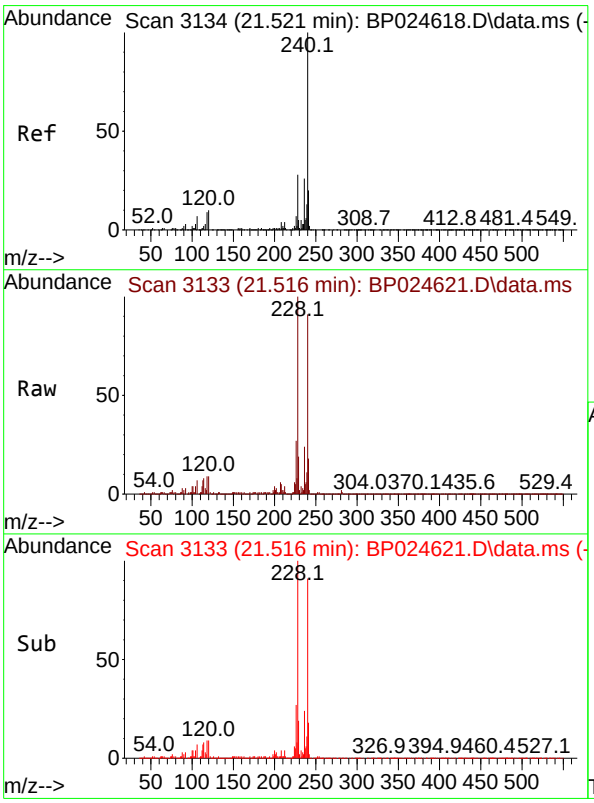
#75
Fluoranthene
Concen: 78.274 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 3629085

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.8	0.0	37.5

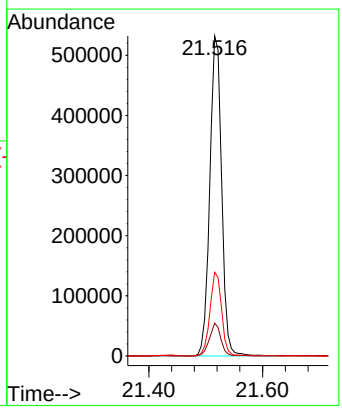


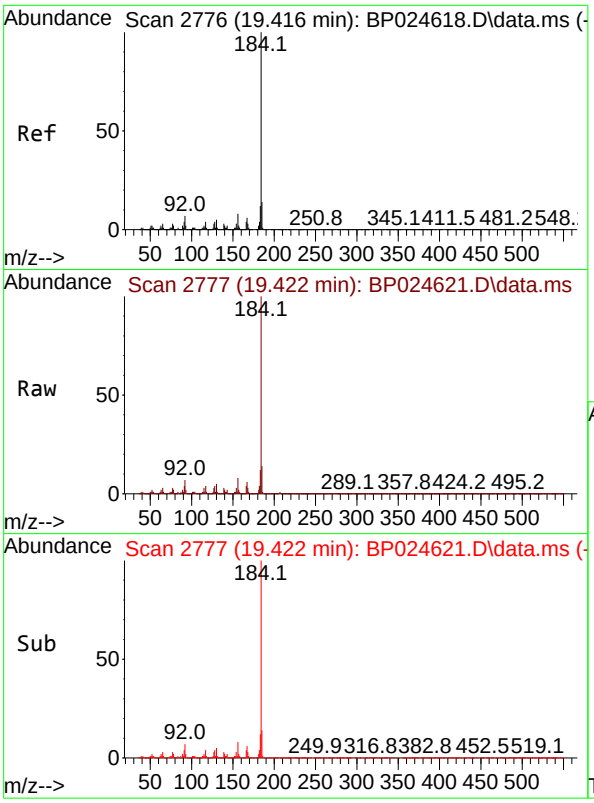


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:240 Resp: 765954

Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.8	11.6
236	26.2	20.6	31.0



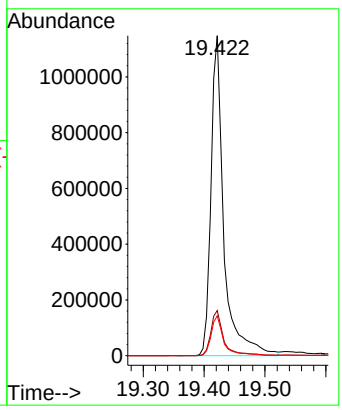


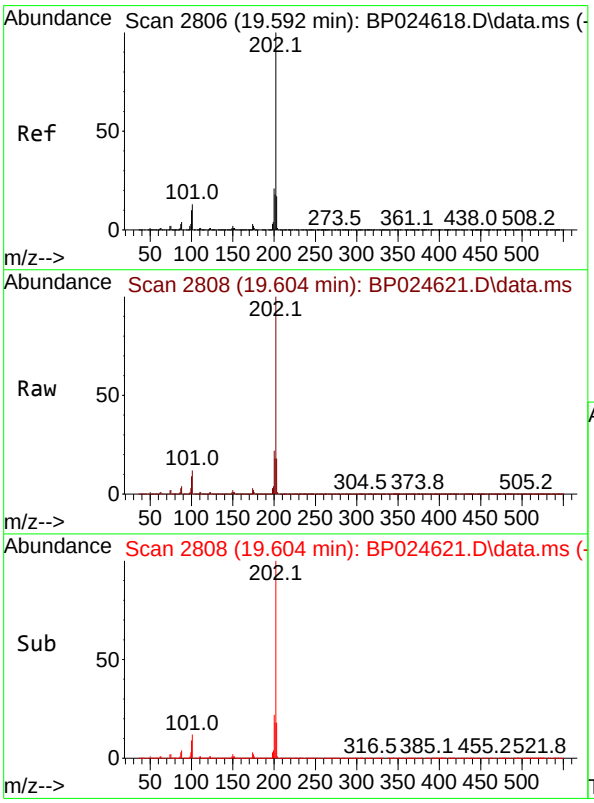
#77
Benzidine
Concen: 79.835 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 1678507

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.2	16.8
183	12.4	9.8	14.8

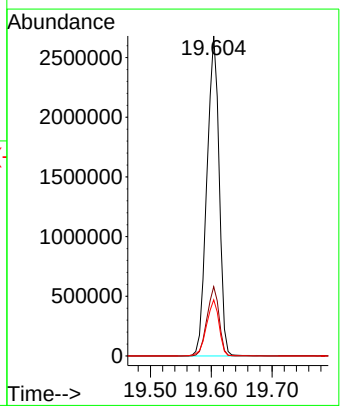


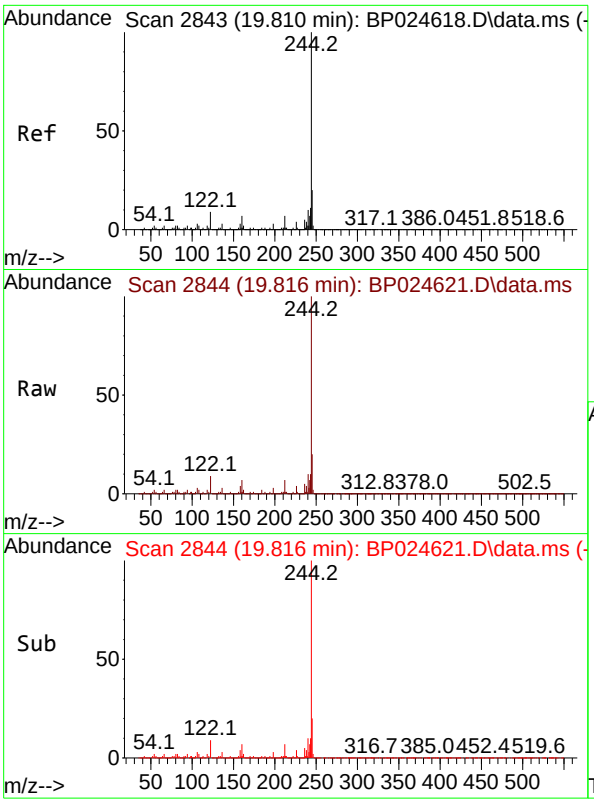


#78
Pyrene
Concen: 81.650 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 3747276

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	17.6	13.9	20.9



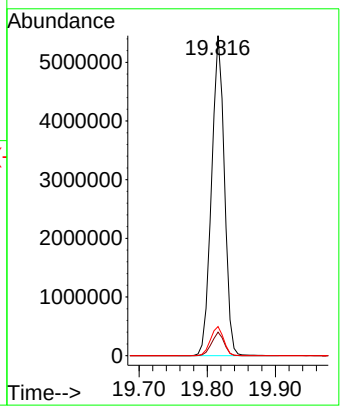


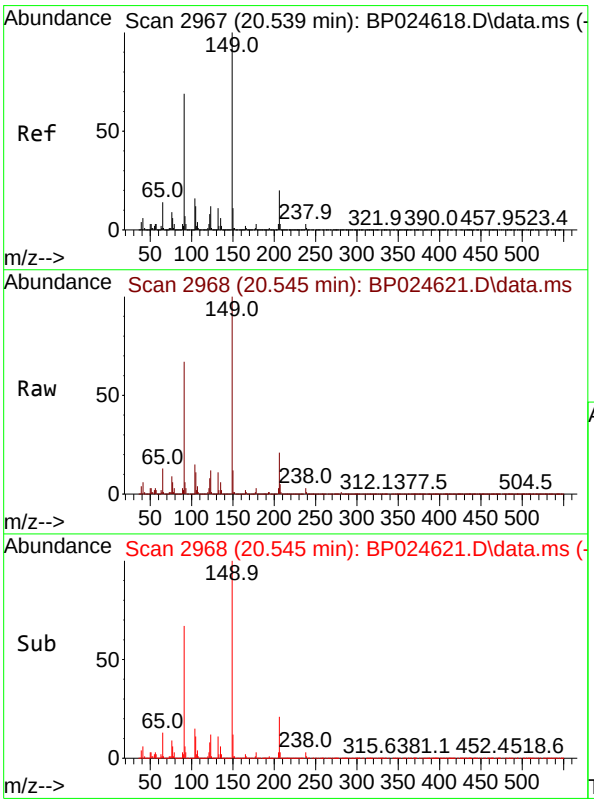
#79
Terphenyl-d14
Concen: 160.113 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 7152255

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	9.1	7.4	11.0

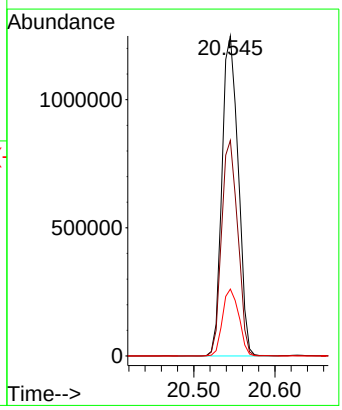


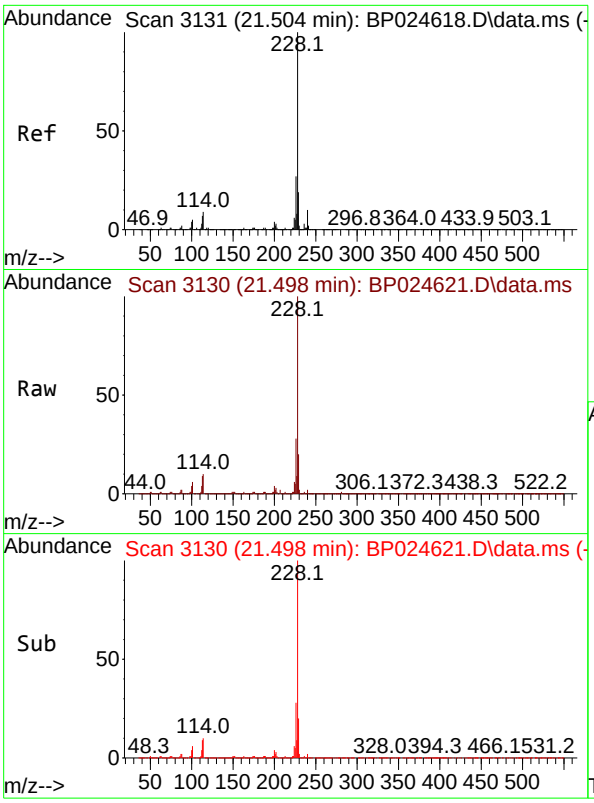


#80
Butylbenzylphthalate
Concen: 85.344 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 1741954

Ion	Ratio	Lower	Upper
149	100		
91	67.3	55.4	83.0
206	20.9	16.2	24.2



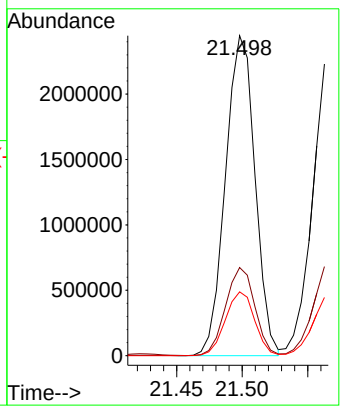


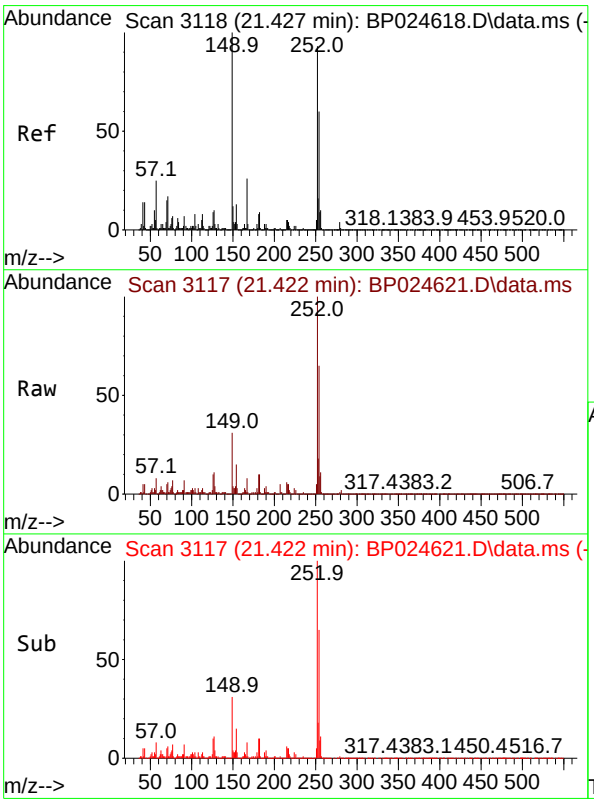
#81
Benzo(a)anthracene
Concen: 79.629 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 3829787

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.0
229	19.9	15.5	23.3

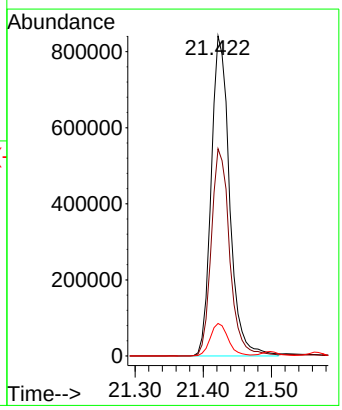


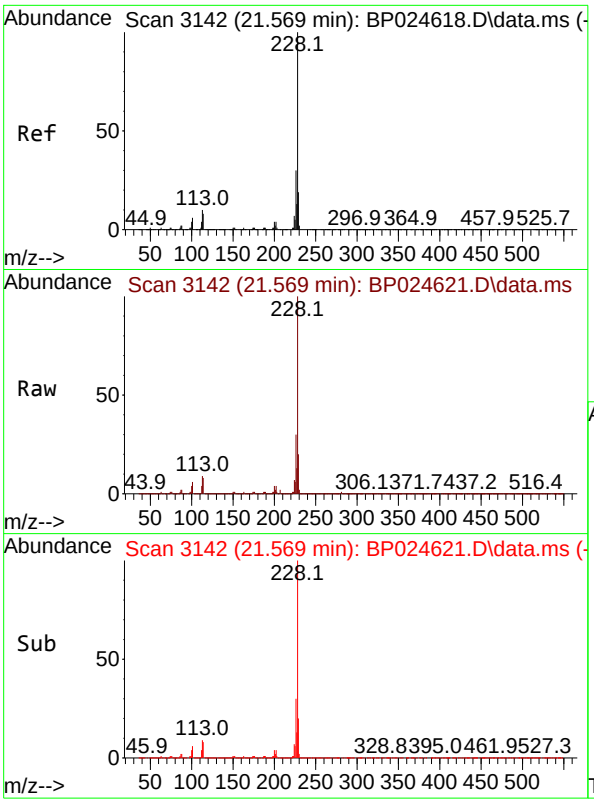


#82
3,3'-Dichlorobenzidine
Concen: 88.207 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 1575691

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	10.2	7.7	11.5



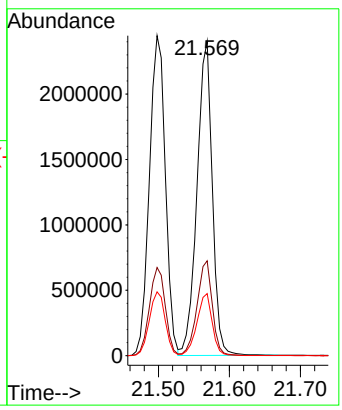


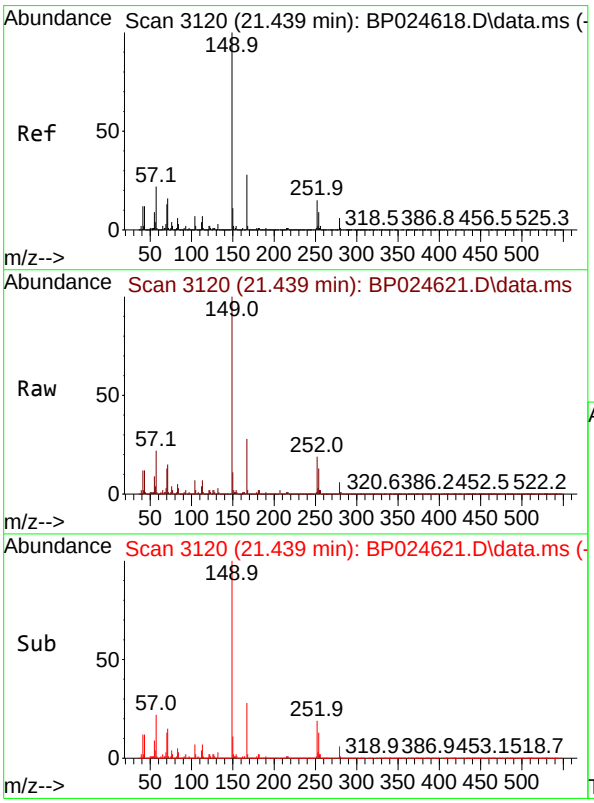
#83
Chrysene
Concen: 79.290 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 3615014

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.7	15.5	23.3

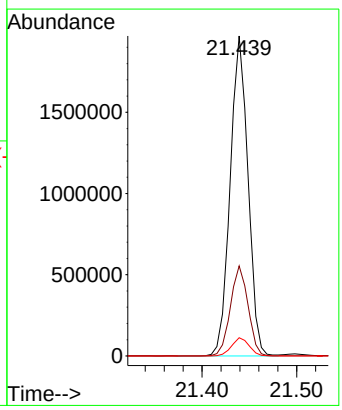


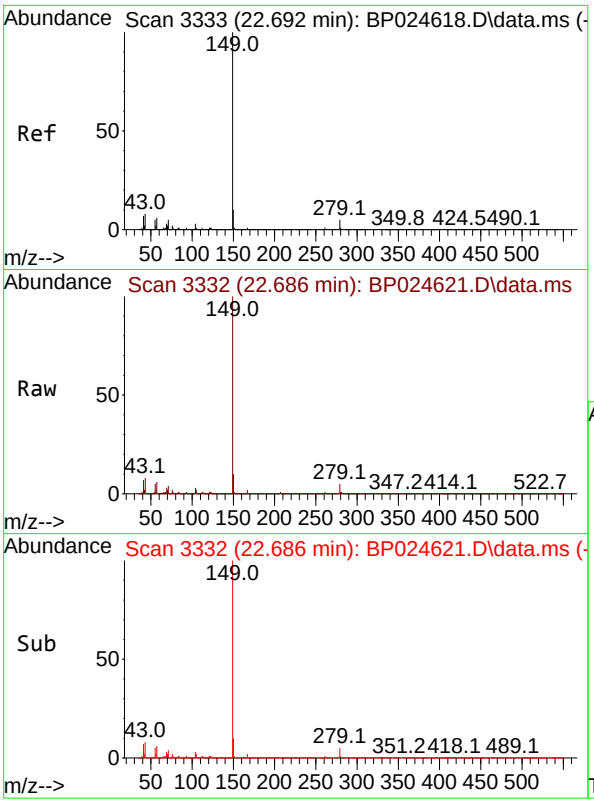


#84
Bis(2-ethylhexyl)phthalate
Concen: 85.913 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2577445

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.1	33.1
279	5.7	4.6	6.8



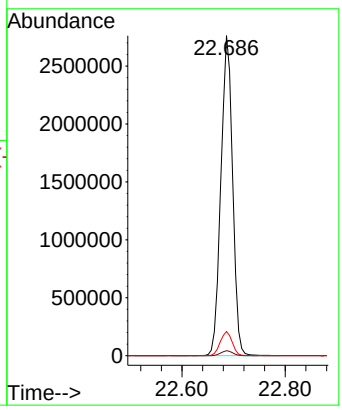


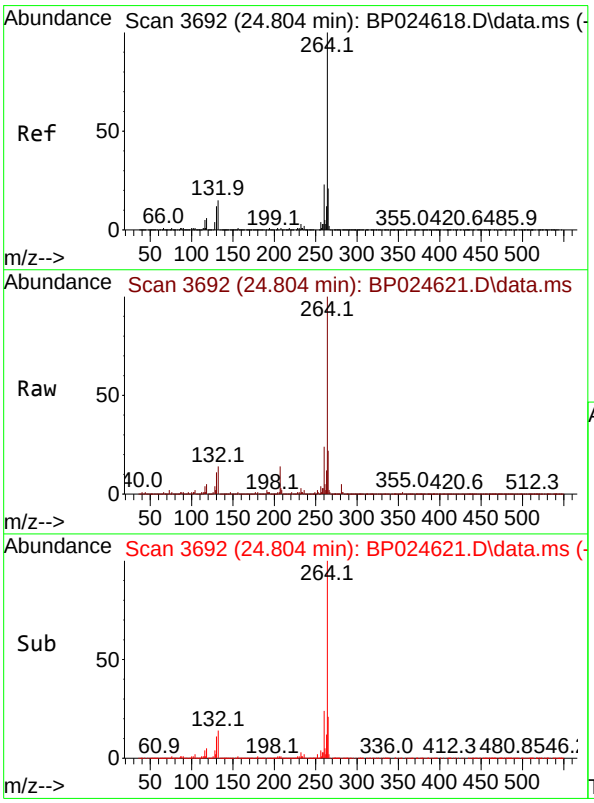
#85
Di-n-octyl phthalate
Concen: 88.498 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4341653

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.3	9.5

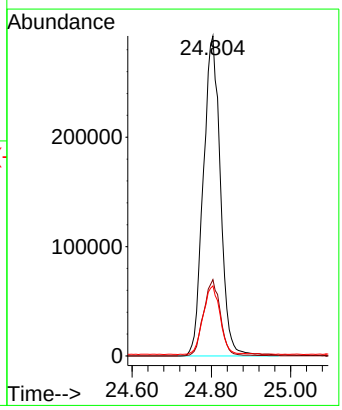


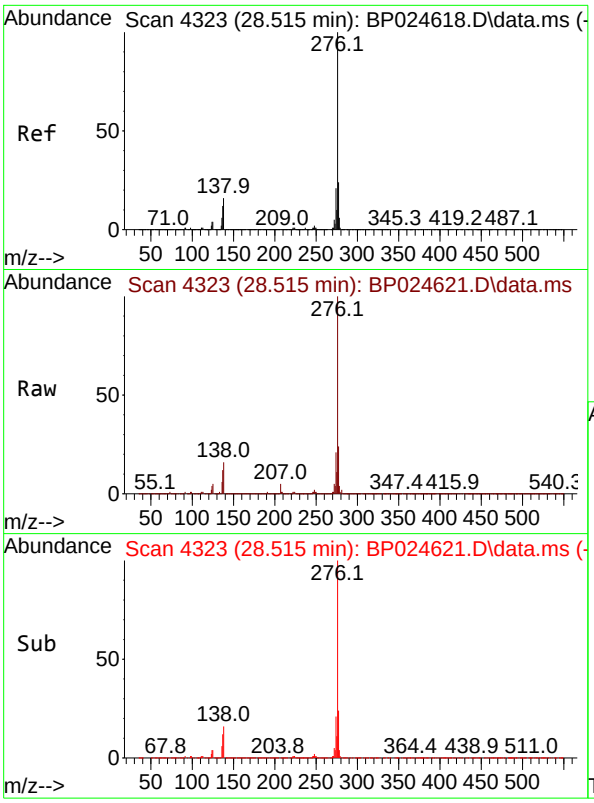


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:264 Resp: 877352

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.9	17.0	25.6



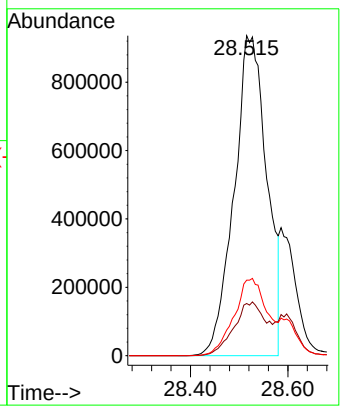


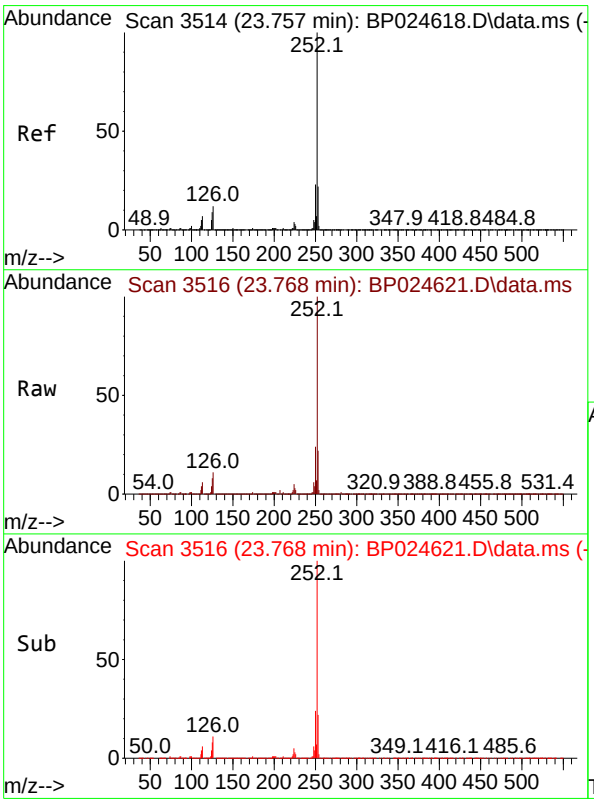
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.278 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 4374706

Ion	Ratio	Lower	Upper
276	100		
138	16.4	11.2	16.8
277	24.5	15.7	23.5#

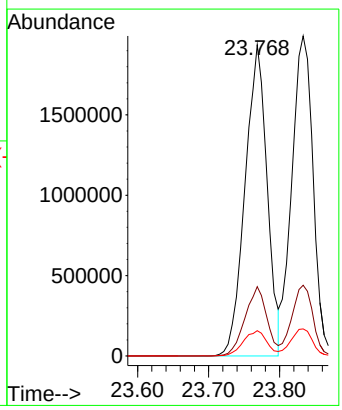


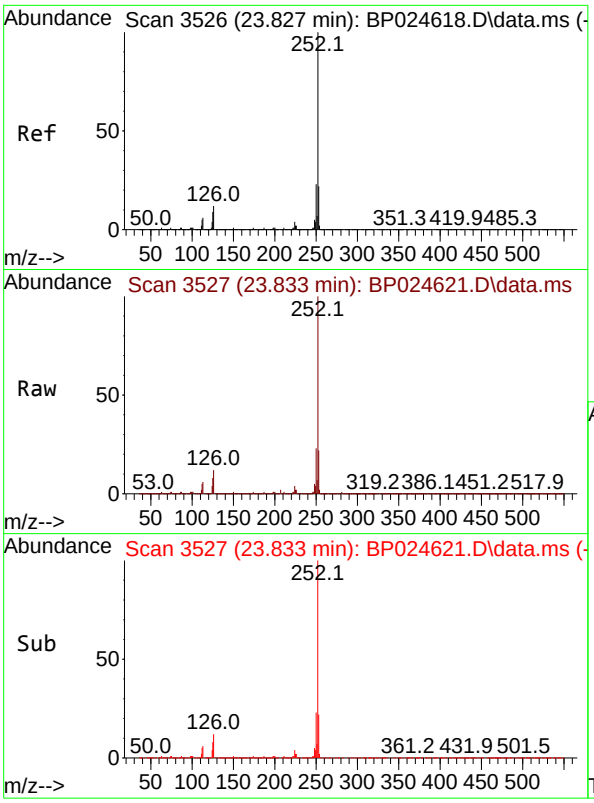


#88
Benzo(b)fluoranthene
Concen: 83.113 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 4173798

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.2	7.5	11.3



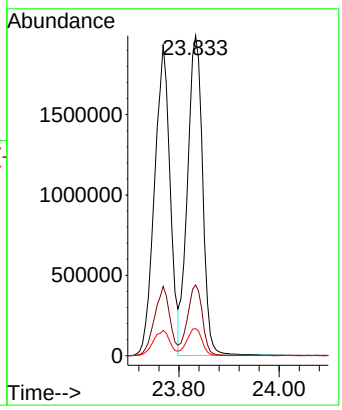


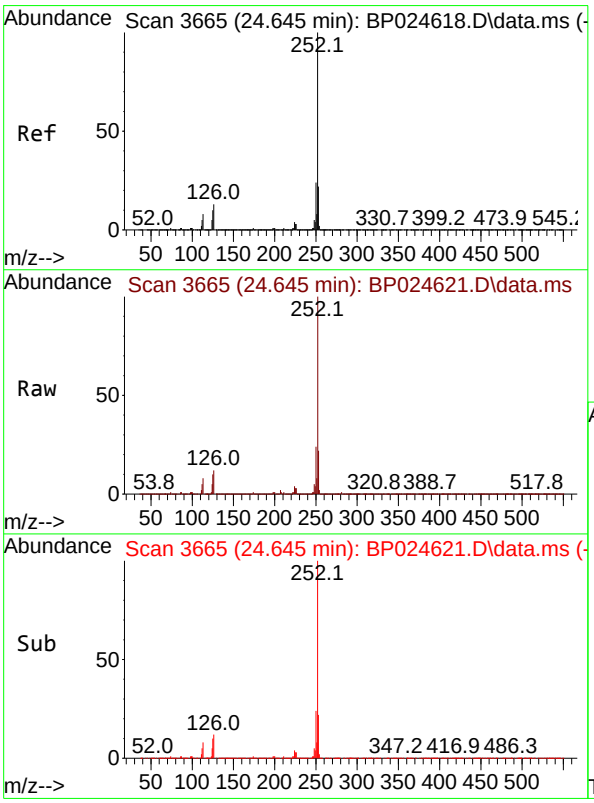
#89
Benzo(k)fluoranthene
Concen: 80.397 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 4160268

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.5	7.0	10.4

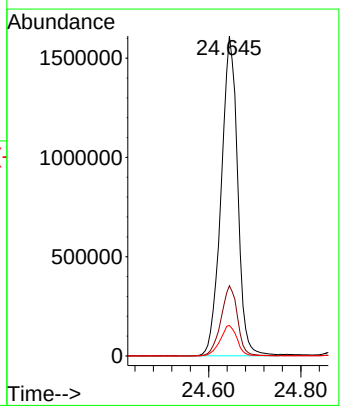


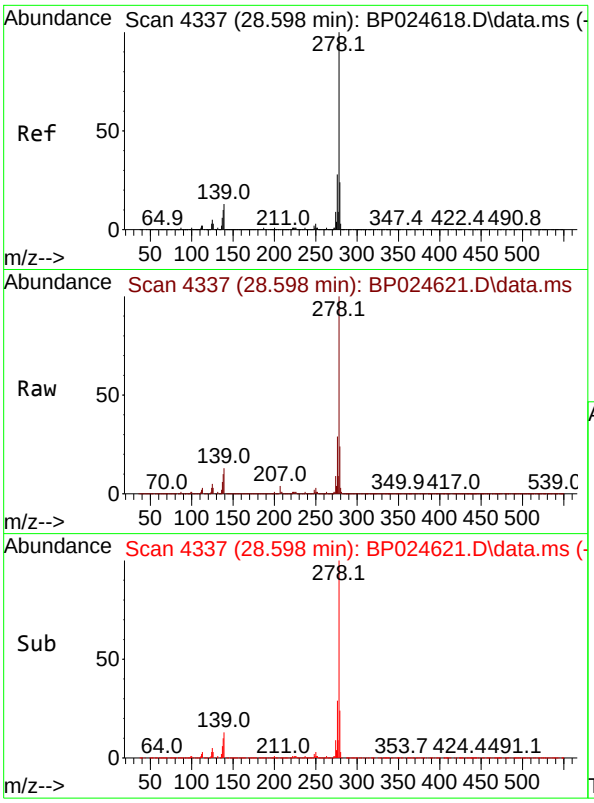


#90
Benzo(a)pyrene
Concen: 82.694 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 3988360

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.5	8.1	12.1



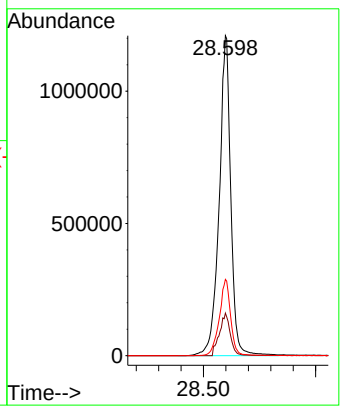


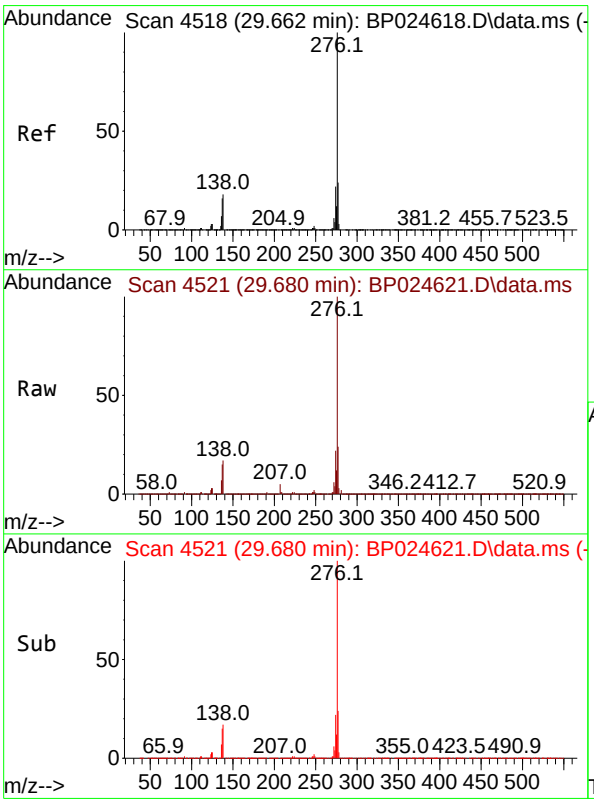
#91
Dibenzo(a,h)anthracene
Concen: 83.260 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 4338518

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.4
279	23.9	19.0	28.4

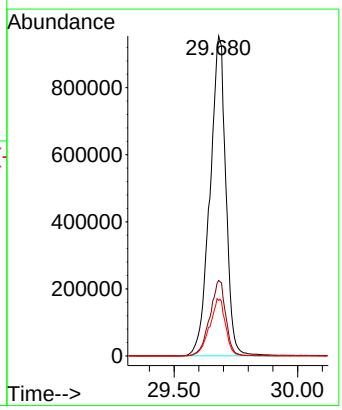




#92
Benzo(g,h,i)perylene
Concen: 82.083 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 4253459

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	17.3	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	144423	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	621777	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	391112	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	780511	20.000	ng	0.00
76) Chrysene-d12	21.521	240	868822	20.000	ng	0.00
86) Perylene-d12	24.815	264	1015341	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	658249	77.955	ng	0.00
7) Phenol-d6	6.852	99	852330	79.089	ng	0.00
23) Nitrobenzene-d5	8.810	82	962660	78.227	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	520660	78.525	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2290715	76.733	ng	0.00
79) Terphenyl-d14	19.822	244	3889002	76.753	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	145871	36.789	ng	99
3) Pyridine	3.622	79	347515	39.526	ng	97
4) n-Nitrosodimethylamine	3.528	42	147412	37.979	ng	98
6) Aniline	6.999	93	545556	39.210	ng	100
8) 2-Chlorophenol	7.234	128	377358	39.367	ng	97
9) Benzaldehyde	6.816	77	272303	39.033	ng	99
10) Phenol	6.881	94	434788	39.089	ng	99
11) bis(2-Chloroethyl)ether	7.093	93	346744	37.938	ng	99
12) 1,3-Dichlorobenzene	7.552	146	417899	37.893	ng	98
13) 1,4-Dichlorobenzene	7.699	146	420432	37.904	ng	99
14) 1,2-Dichlorobenzene	8.010	146	409587	37.896	ng	99
15) Benzyl Alcohol	7.904	79	332015	40.541	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	416339	38.037	ng	99
17) 2-Methylphenol	8.110	107	316066	39.618	ng	99
18) Hexachloroethane	8.728	117	158167	37.211	ng	99
19) n-Nitroso-di-n-propyla...	8.463	70	291961	39.165	ng	99
20) 3+4-Methylphenols	8.434	107	429326	39.562	ng	99
22) Acetophenone	8.475	105	597464	38.468	ng	99
24) Nitrobenzene	8.851	77	416985	38.505	ng	96
25) Isophorone	9.375	82	821637	38.491	ng	99
26) 2-Nitrophenol	9.557	139	218211	41.121	ng	95
27) 2,4-Dimethylphenol	9.622	122	369418	39.484	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	493722	38.714	ng	100
29) 2,4-Dichlorophenol	10.093	162	364373	40.189	ng	97
30) 1,2,4-Trichlorobenzene	10.298	180	389362	38.109	ng	98
31) Naphthalene	10.481	128	1226624	38.069	ng	100
32) Benzoic acid	9.781	122	223660	36.464	ng	98
33) 4-Chloroaniline	10.598	127	524873	40.368	ng	99
34) Hexachlorobutadiene	10.763	225	246776	37.285	ng	98
35) Caprolactam	11.387	113	130399	39.752	ng	99
36) 4-Chloro-3-methylphenol	11.740	107	431344	39.013	ng	100
37) 2-Methylnaphthalene	12.098	142	789724	37.852	ng	99
38) 1-Methylnaphthalene	12.316	142	833521	37.339	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	444420	39.130	ng	100
41) Hexachlorocyclopentadiene	12.445	237	305575	44.371	ng	98
43) 2,4,6-Trichlorophenol	12.716	196	305651	41.549	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	336252	41.064	ng		97
46) 1,1'-Biphenyl	13.116	154	1124669	38.906	ng		99
47) 2-Chloronaphthalene	13.157	162	864853	39.238	ng		98
48) 2-Nitroaniline	13.369	65	264965	40.604	ng		97
49) Acenaphthylene	14.010	152	1419821	38.493	ng		100
50) Dimethylphthalate	13.751	163	1155211	38.751	ng		99
51) 2,6-Dinitrotoluene	13.875	165	247537	39.317	ng		99
52) Acenaphthene	14.357	154	803755	37.904	ng		99
53) 3-Nitroaniline	14.210	138	262737	40.871	ng		100
54) 2,4-Dinitrophenol	14.428	184	135624	37.829	ng		96
55) Dibenzofuran	14.698	168	1282228	37.910	ng		99
56) 4-Nitrophenol	14.545	139	202528	38.698	ng		97
57) 2,4-Dinitrotoluene	14.675	165	354817	39.975	ng		99
58) Fluorene	15.357	166	1059642	38.422	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	298327	39.274	ng		99
60) Diethylphthalate	15.134	149	1150091	38.171	ng		100
61) 4-Chlorophenyl-phenyle...	15.357	204	526066	38.249	ng		99
62) 4-Nitroaniline	15.398	138	265185	42.722	ng		98
63) Azobenzene	15.657	77	1000653	38.822	ng		98
65) 4,6-Dinitro-2-methylph...	15.451	198	203200	40.305	ng		98
66) n-Nitrosodiphenylamine	15.575	169	920187	38.382	ng		100
67) 4-Bromophenyl-phenylether	16.269	248	357846	38.909	ng		97
68) Hexachlorobenzene	16.386	284	446142	38.175	ng		99
69) Atrazine	16.551	200	347661	39.570	ng		99
70) Pentachlorophenol	16.739	266	269781	41.124	ng		99
71) Phenanthrene	17.133	178	1629118	37.546	ng		99
72) Anthracene	17.228	178	1669395	38.241	ng		100
73) Carbazole	17.510	167	1563685	39.575	ng		99
74) Di-n-butylphthalate	18.098	149	1978741	38.939	ng		100
75) Fluoranthene	19.222	202	1956043	38.566	ng		100
77) Benzidine	19.422	184	1023514	43.253	ng		99
78) Pyrene	19.604	202	1992845	38.281	ng		100
80) Butylbenzylphthalate	20.557	149	938210	40.523	ng		96
81) Benzo(a)anthracene	21.510	228	2121561	38.889	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	861323	42.508	ng		100
83) Chrysene	21.574	228	1976940	38.227	ng		99
84) Bis(2-ethylhexyl)phtha...	21.445	149	1375919	40.433	ng		100
85) Di-n-octyl phthalate	22.698	149	2321673	41.721	ng		100
87) Indeno(1,2,3-cd)pyrene	28.515	276	1096892	14.798	ng	#	66
88) Benzo(b)fluoranthene	23.768	252	2283322	39.289	ng		100
89) Benzo(k)fluoranthene	23.833	252	2289000	38.223	ng		100
90) Benzo(a)pyrene	24.668	252	2177020	39.004	ng		99
91) Dibenzo(a,h)anthracene	28.615	278	2374558	39.377	ng		100
92) Benzo(g,h,i)perylene	29.686	276	2333151	38.906	ng		100

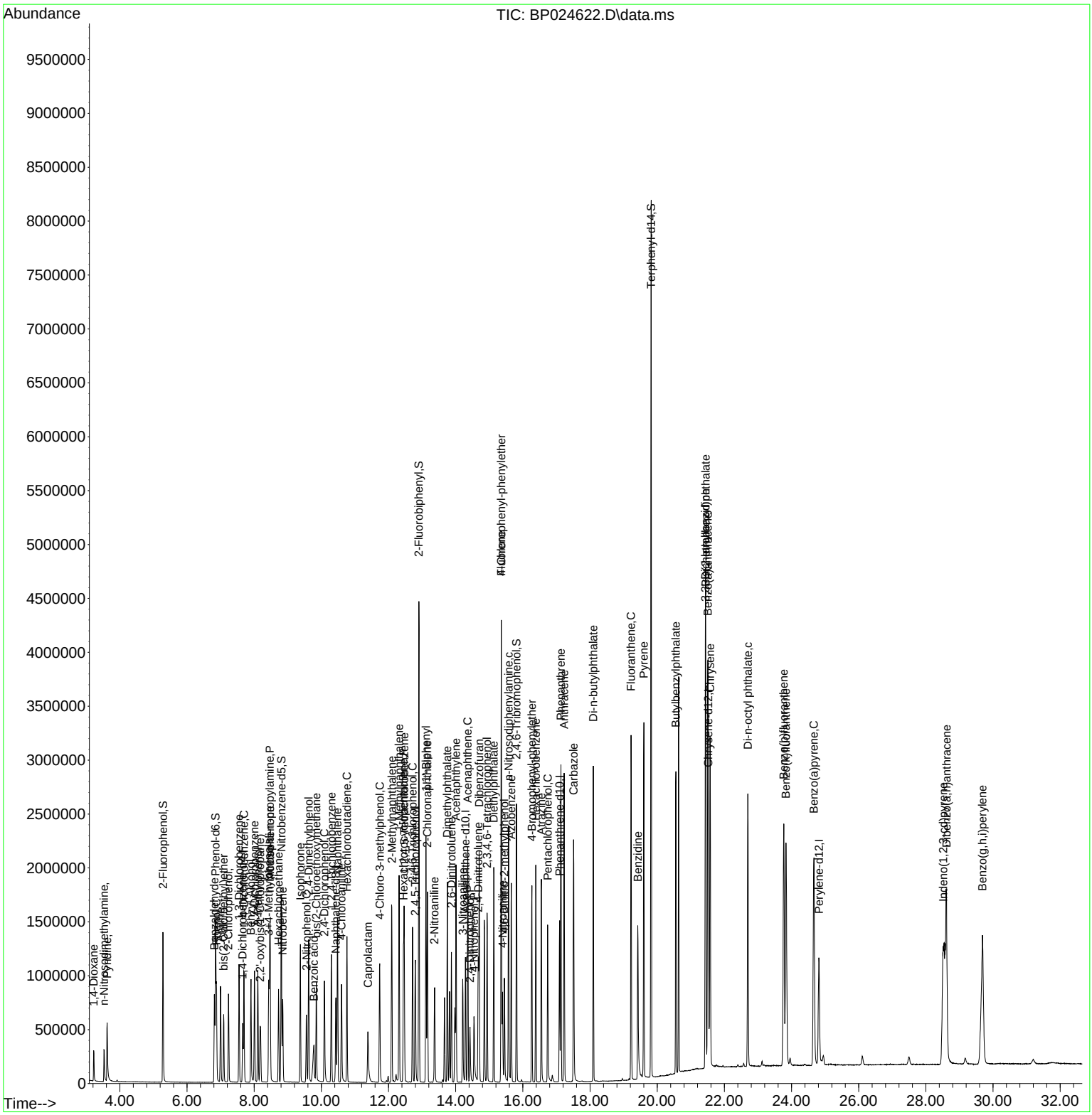
(#) = qualifier out of range (m) = manual integration (+) = signals summed

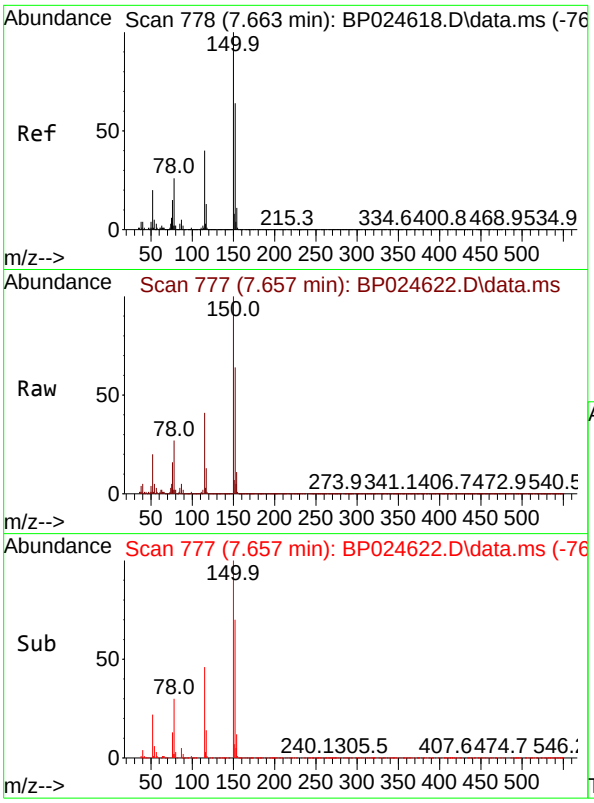
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



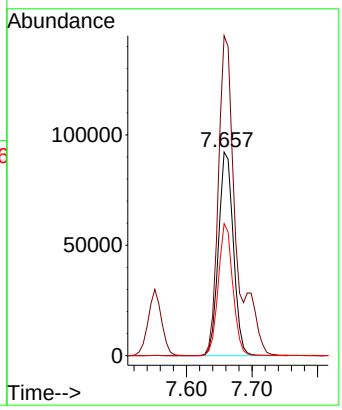


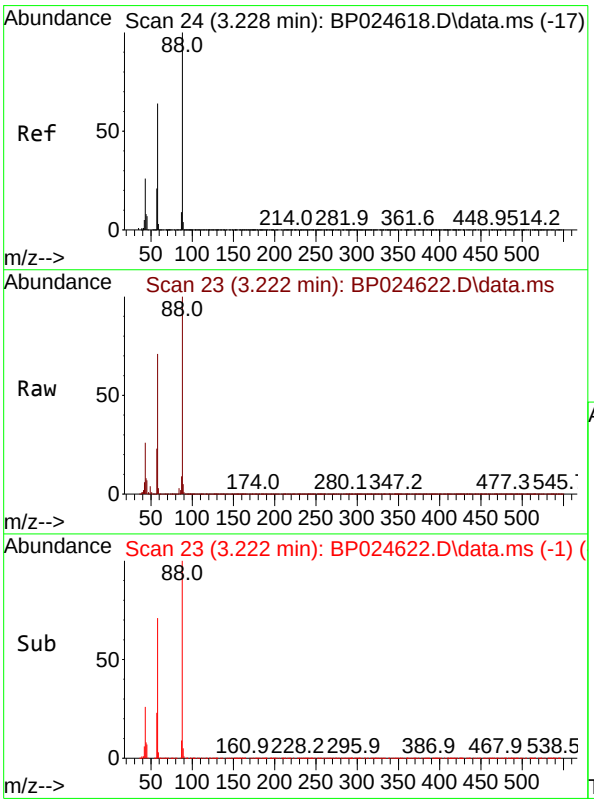
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:152 Resp: 144423

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	64.8	50.1	75.1

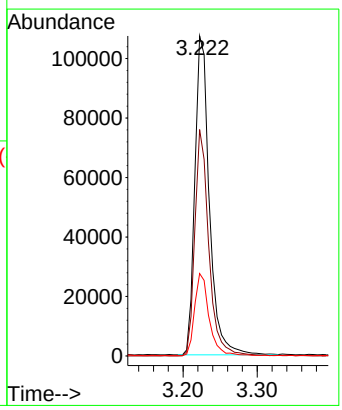


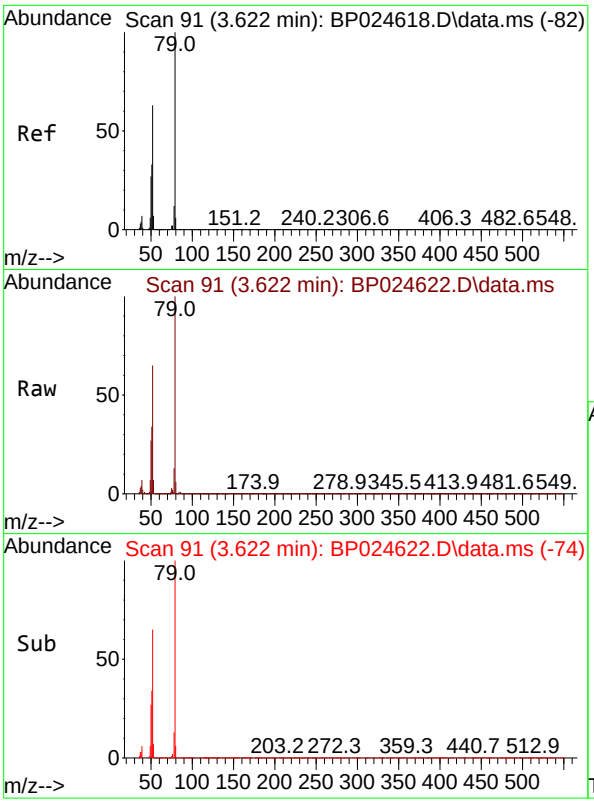


#2
1,4-Dioxane
Concen: 36.789 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 88 Resp: 145871

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	25.9	21.4	32.0



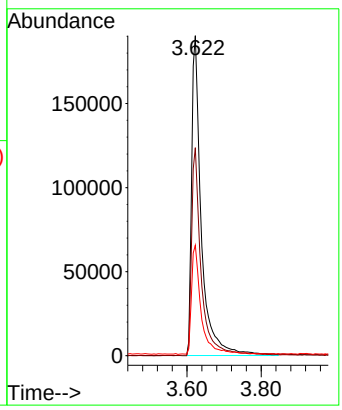


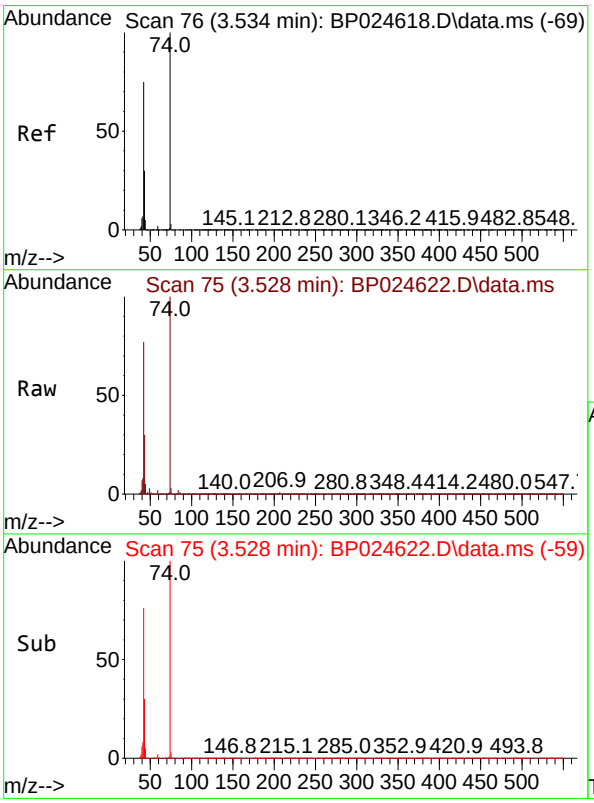
#3
Pyridine
Concen: 39.526 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 79 Resp: 347515

Ion	Ratio	Lower	Upper
79	100		
52	65.0	50.2	75.2
51	34.5	26.8	40.2

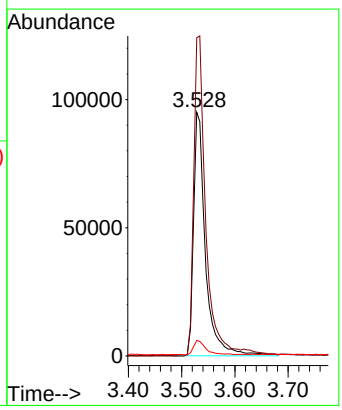


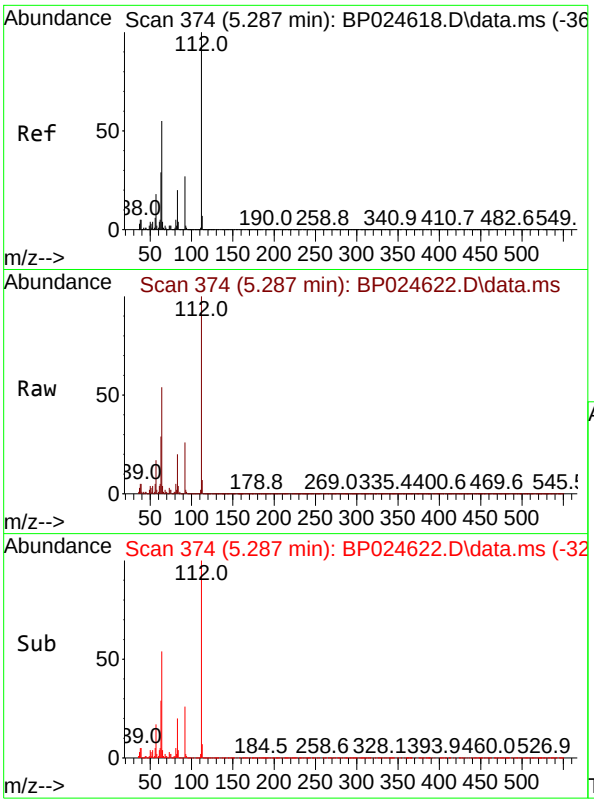


#4
n-Nitrosodimethylamine
Concen: 37.979 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 42 Resp: 147412

Ion	Ratio	Lower	Upper
42	100		
74	130.6	106.2	159.2
44	6.4	5.4	8.2



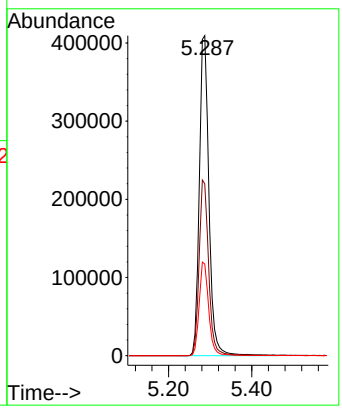


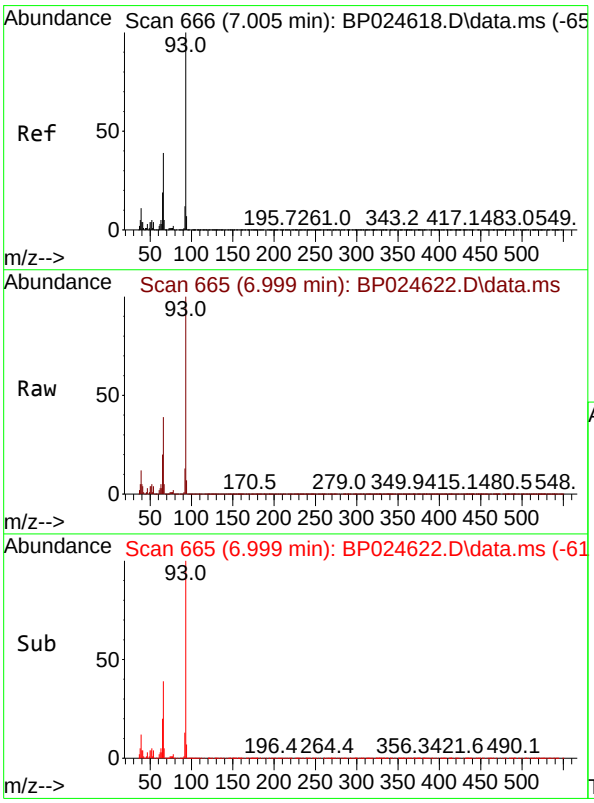
#5
2-Fluorophenol
Concen: 77.955 ng
RT: 5.287 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:112 Resp: 658249

Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.1	66.1
63	28.7	23.5	35.3

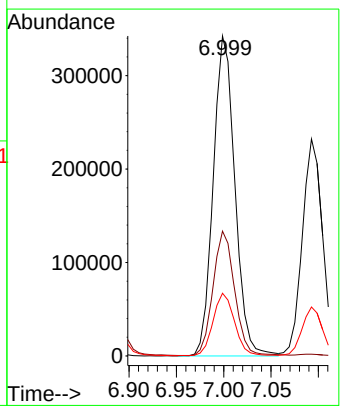


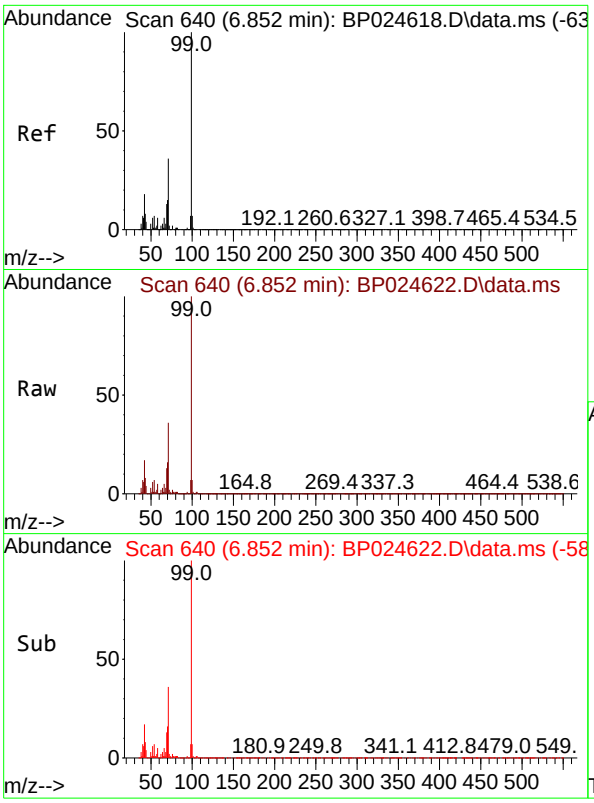


#6
Aniline
Concen: 39.210 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 545556

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.0	46.6
65	19.6	15.5	23.3



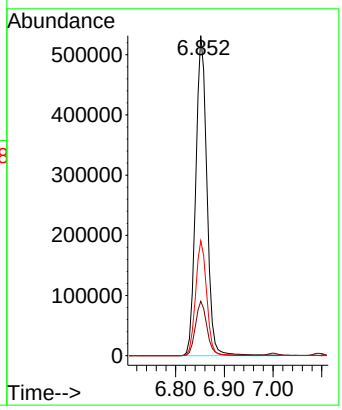


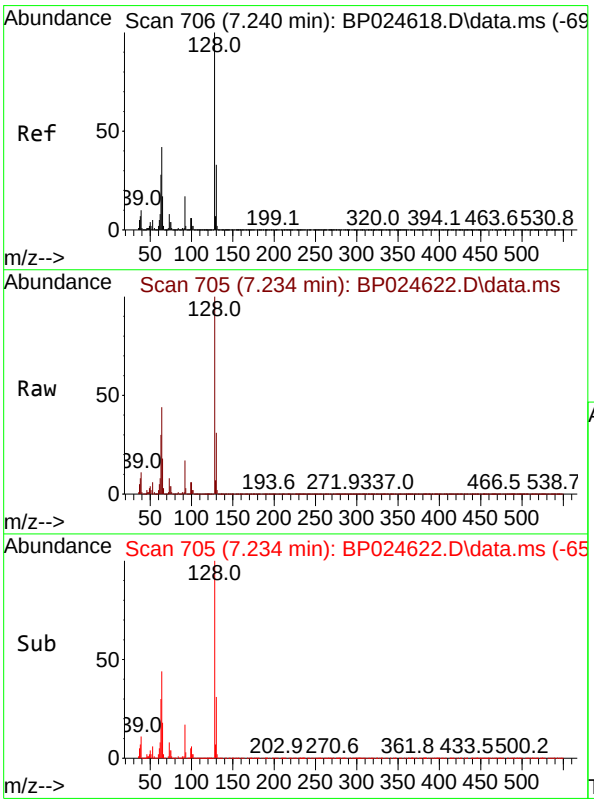
#7
Phenol-d6
Concen: 79.089 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 99 Resp: 852330

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.4	21.6
71	35.9	29.2	43.8

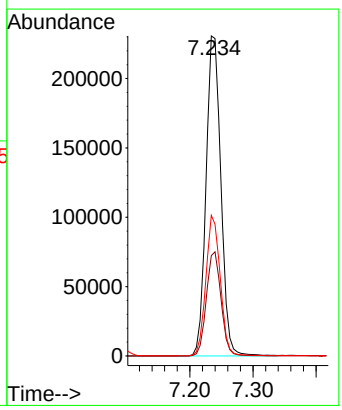


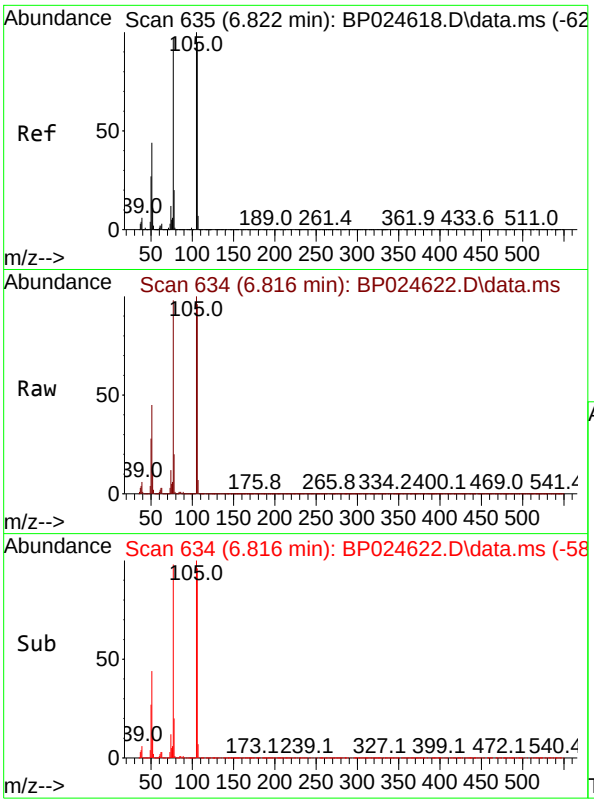


#8
2-Chlorophenol
Concen: 39.367 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 377358

Ion	Ratio	Lower	Upper
128	100		
130	31.4	13.0	53.0
64	43.9	22.3	62.3



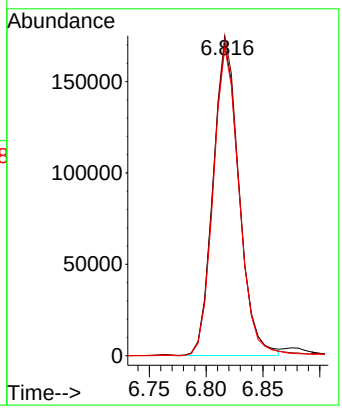


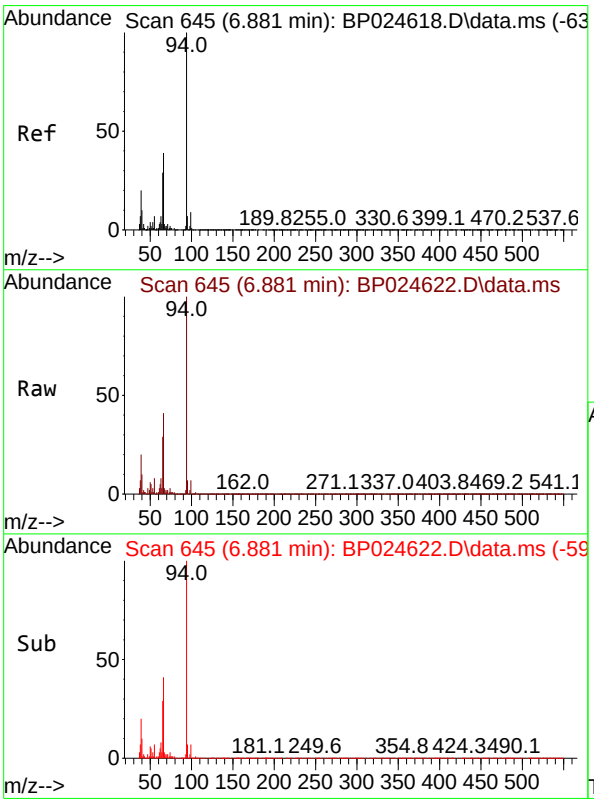
#9
Benzaldehyde
Concen: 39.033 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 77 Resp: 272303

Ion	Ratio	Lower	Upper
77	100		
105	102.4	83.3	123.3
106	98.5	78.0	118.0

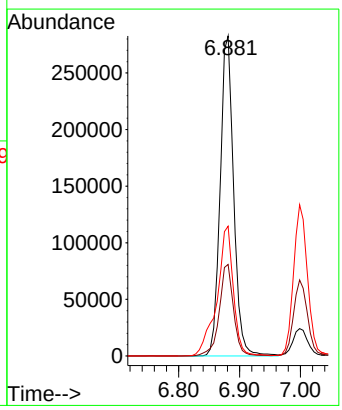


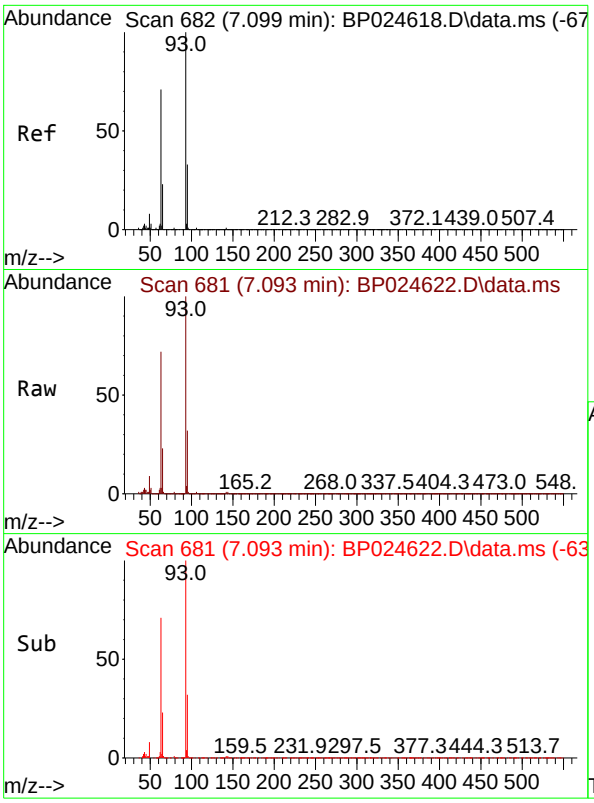


#10
Phenol
Concen: 39.089 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 94 Resp: 434788

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.7	48.7
66	40.5	19.4	59.4



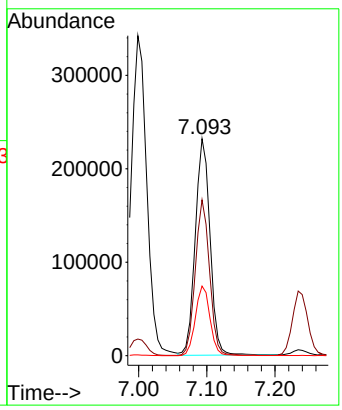


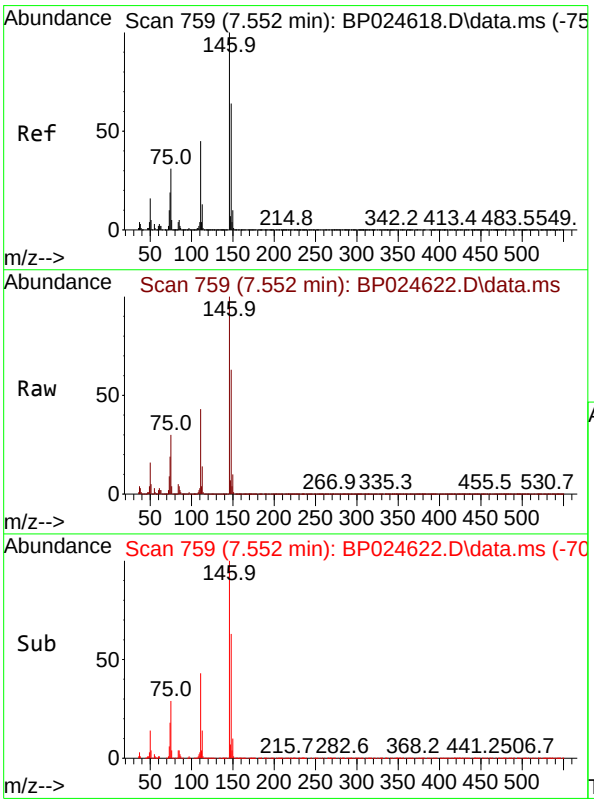
#11
bis(2-Chloroethyl)ether
Concen: 37.938 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 93 Resp: 346744

Ion	Ratio	Lower	Upper
93	100		
63	71.9	50.6	90.6
95	32.1	12.9	52.9

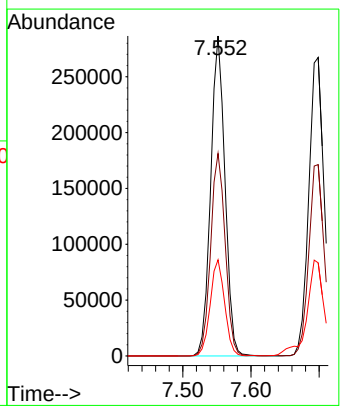


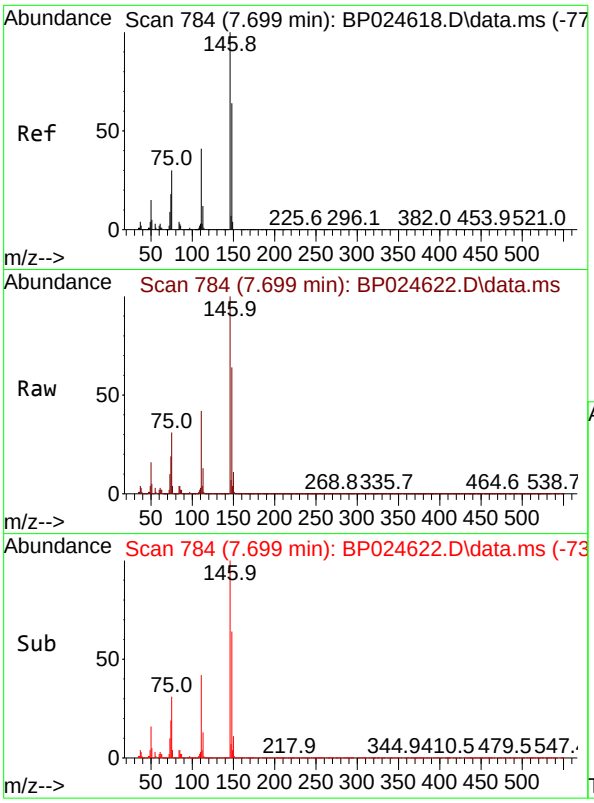


#12
1,3-Dichlorobenzene
Concen: 37.893 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 417899

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
75	30.1	25.2	37.8



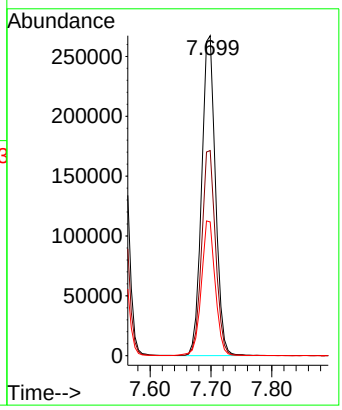


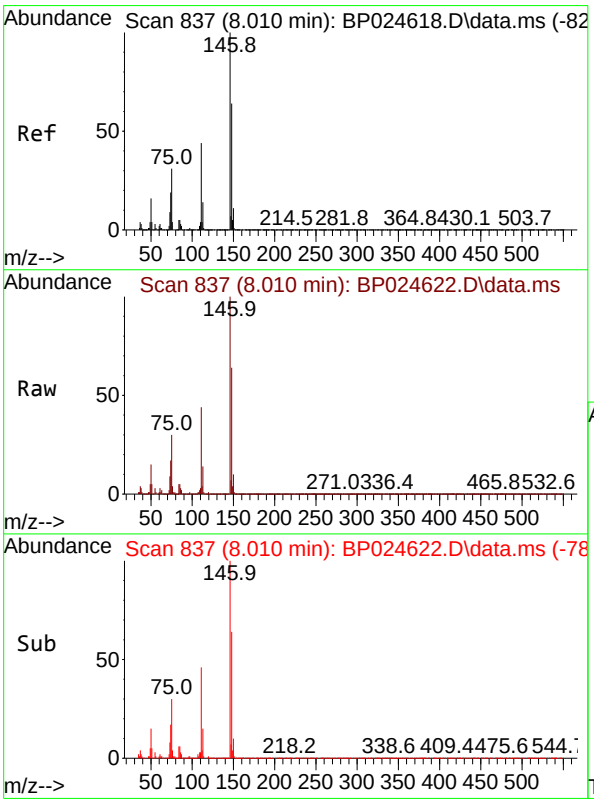
#13
1,4-Dichlorobenzene
Concen: 37.904 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:146 Resp: 420432

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	41.8	33.0	49.6

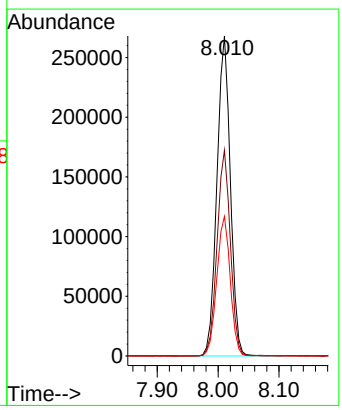


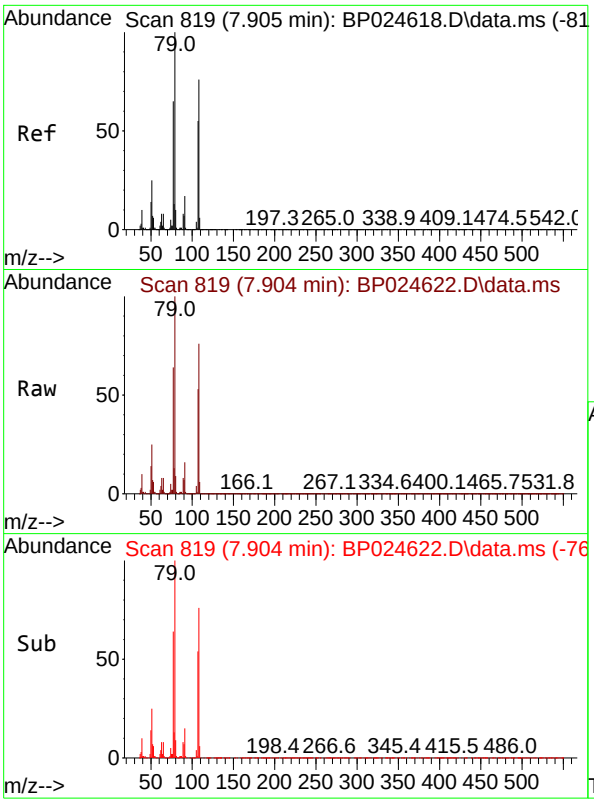


#14
1,2-Dichlorobenzene
Concen: 37.896 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 409587

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.6	35.2	52.8



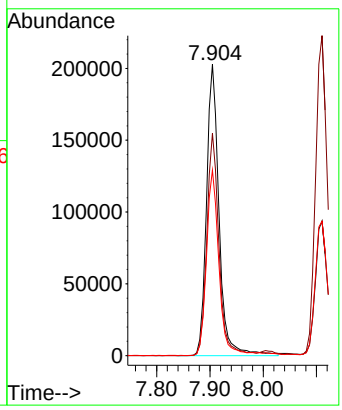


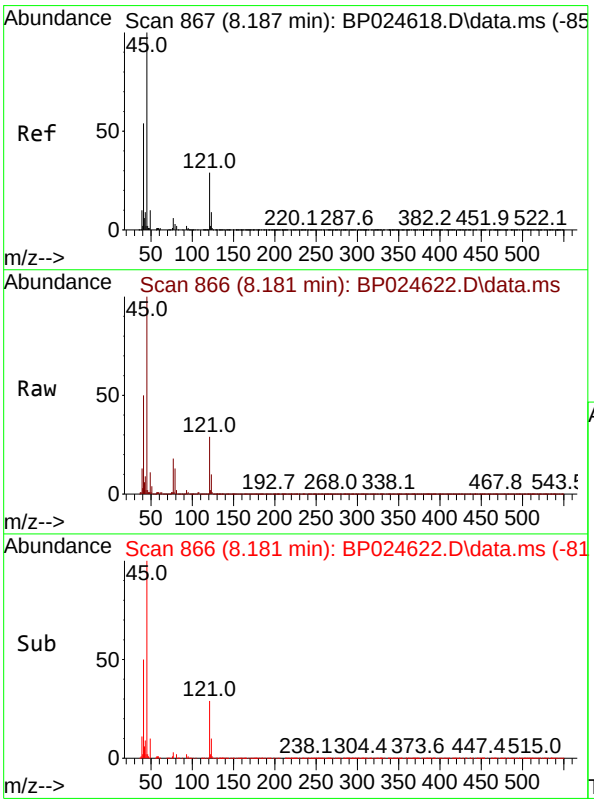
#15
Benzyl Alcohol
Concen: 40.541 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 79 Resp: 332015

Ion	Ratio	Lower	Upper
79	100		
108	76.4	60.8	91.2
77	63.7	51.9	77.9

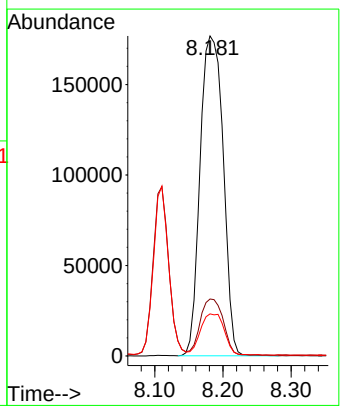


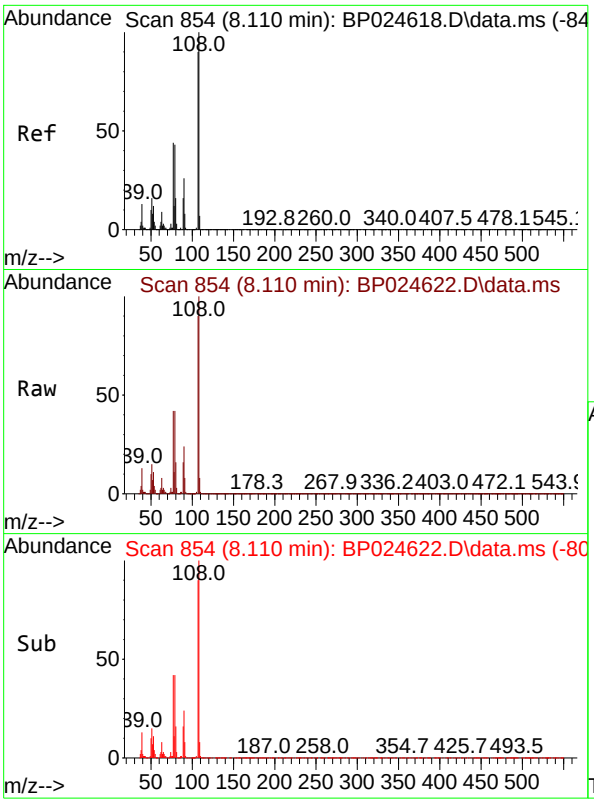


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.037 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 45 Resp: 416339

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.2	0.0	34.0



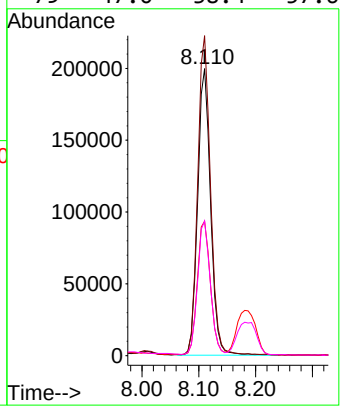


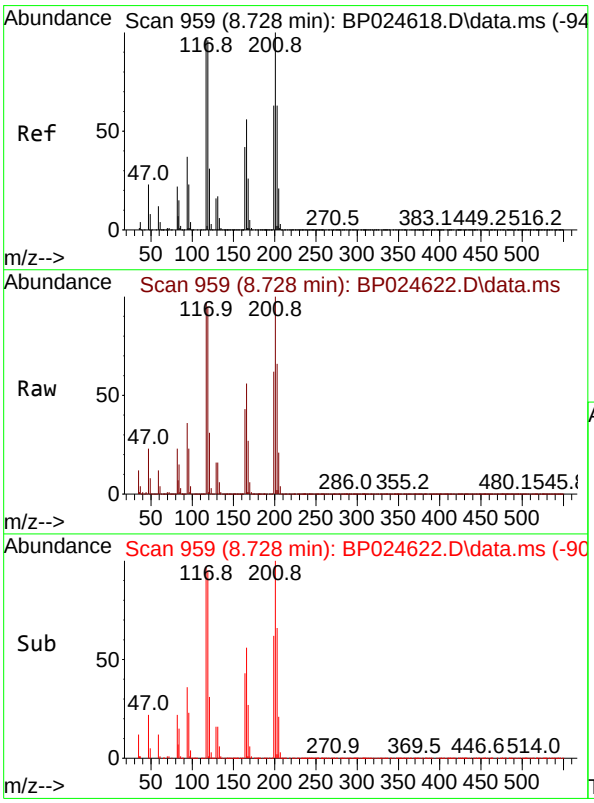
#17
2-Methylphenol
Concen: 39.618 ng
RT: 8.110 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:107 Resp: 316066

Ion	Ratio	Lower	Upper
107	100		
108	111.5	88.9	133.3
77	46.8	39.0	58.6
79	47.0	38.4	57.6

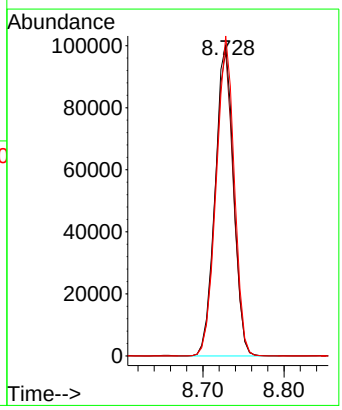


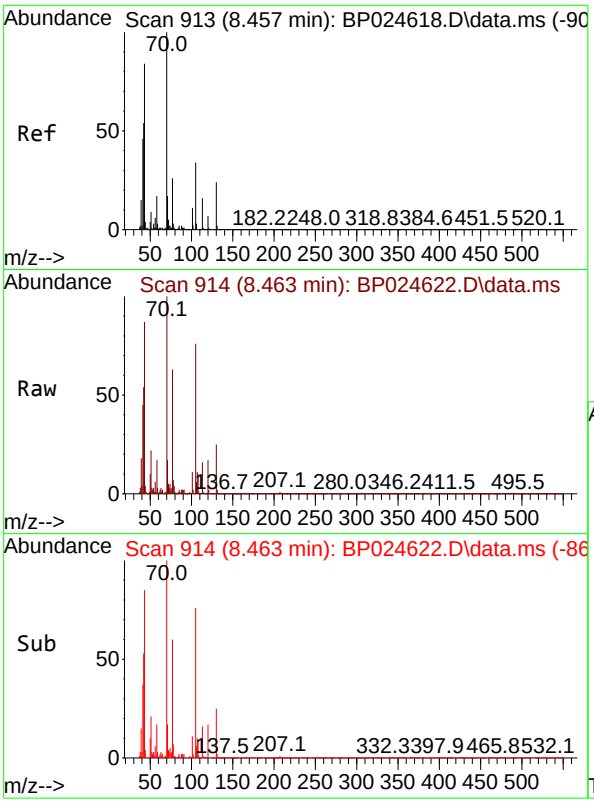


#18
Hexachloroethane
Concen: 37.211 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:117 Resp: 158167

Ion	Ratio	Lower	Upper
117	100		
119	97.9	79.4	119.0
201	103.0	82.7	124.1



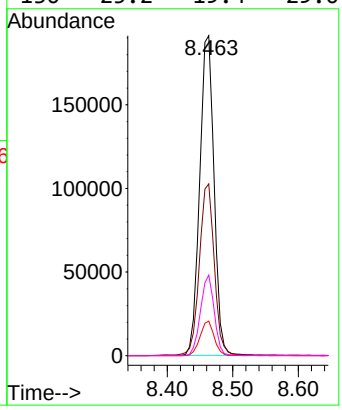


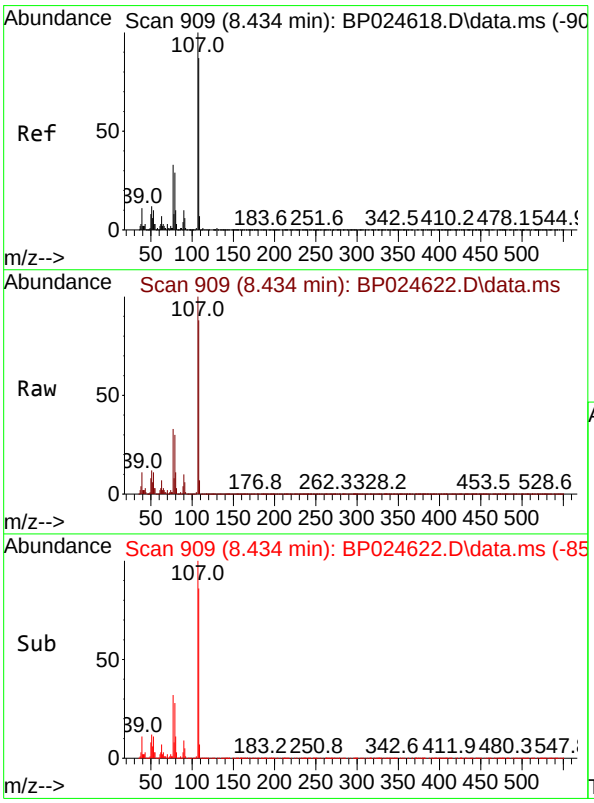
#19
n-Nitroso-di-n-propylamine
Concen: 39.165 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 70 Resp: 291961

Ion	Ratio	Lower	Upper
70	100		
42	53.7	43.0	64.6
101	10.8	8.7	13.1
130	25.2	19.4	29.0

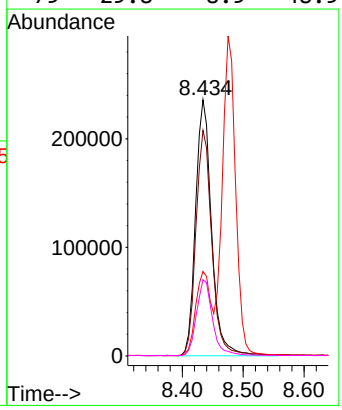


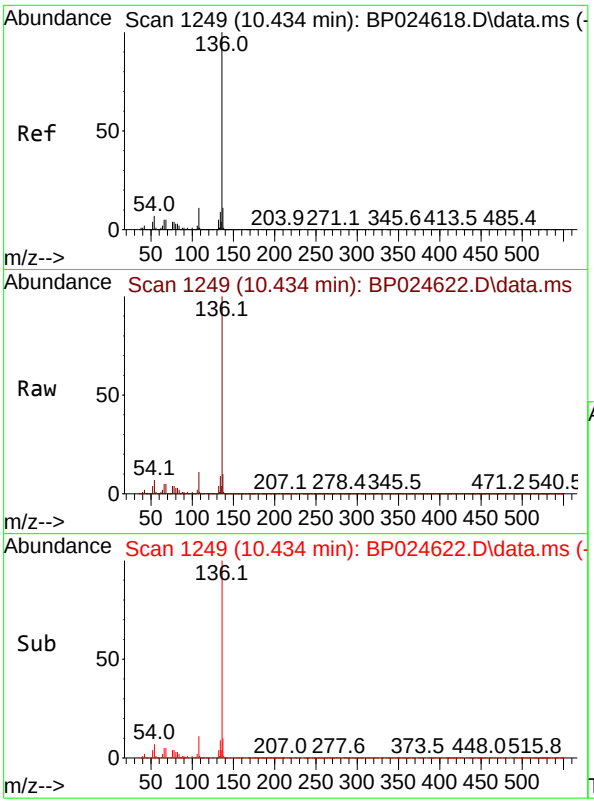


#20
3+4-Methylphenols
Concen: 39.562 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 429326

Ion	Ratio	Lower	Upper
107	100		
108	88.1	66.7	106.7
77	33.0	13.1	53.1
79	29.8	8.9	48.9



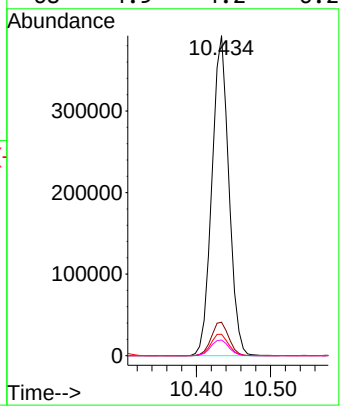


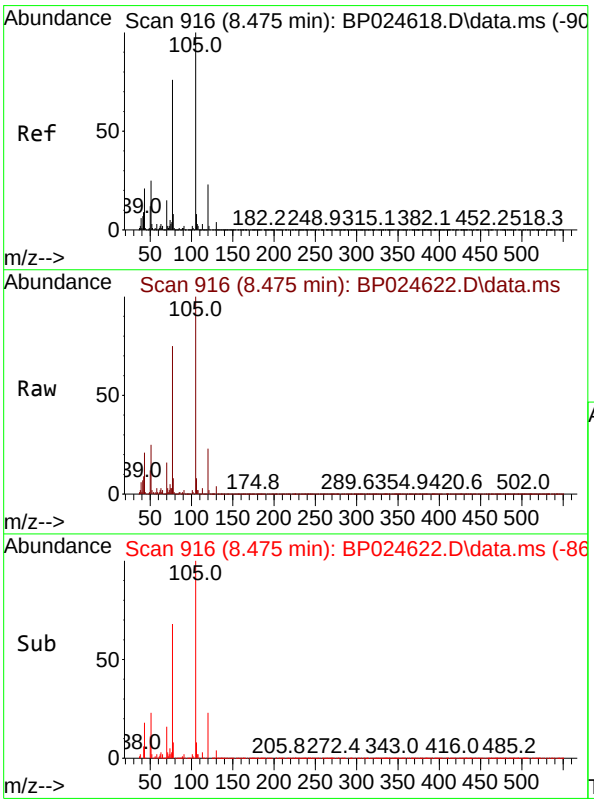
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:136 Resp: 621777

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.7	5.5	8.3
68	4.9	4.2	6.2

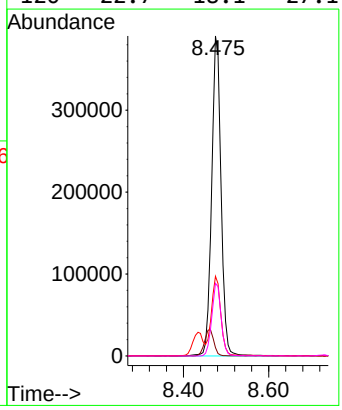


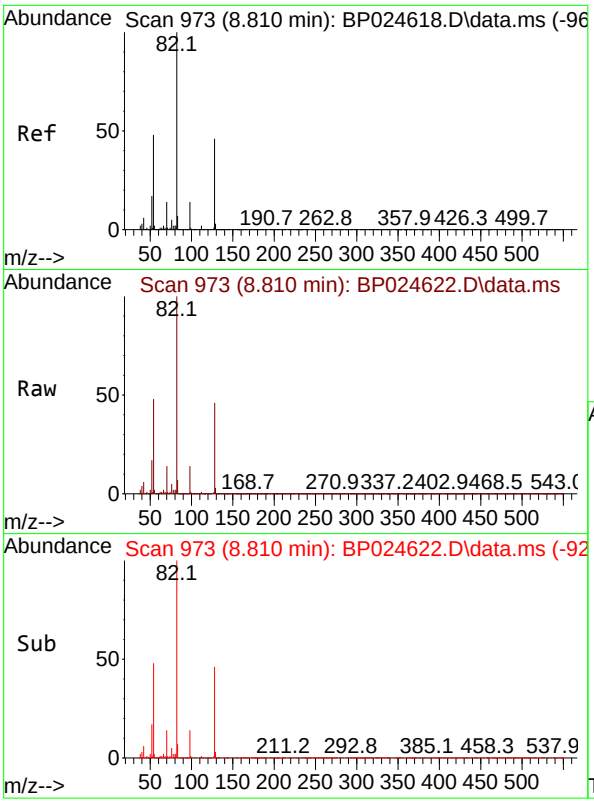


#22
Acetophenone
Concen: 38.468 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:105 Resp: 597464

Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.0	3.0
51	24.9	20.4	30.6
120	22.7	18.1	27.1



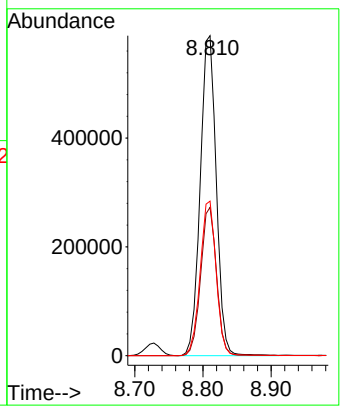


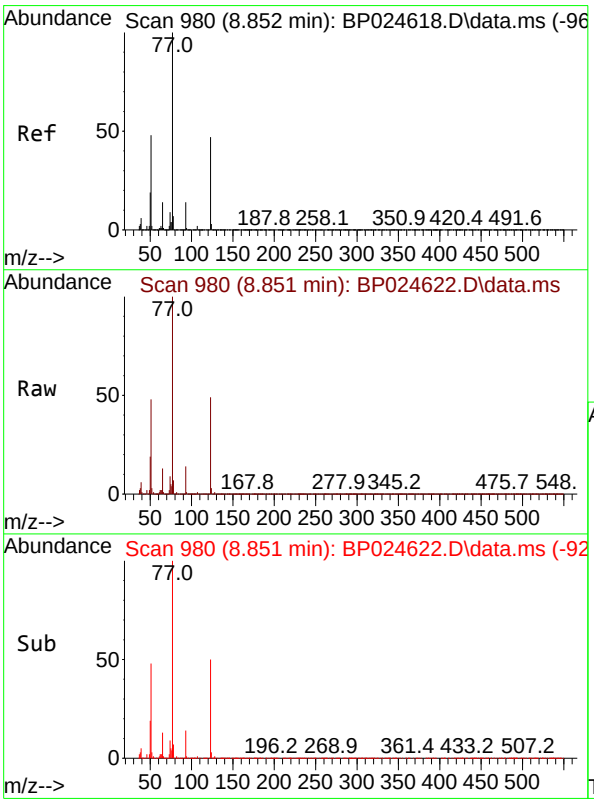
#23
Nitrobenzene-d5
Concen: 78.227 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 82 Resp: 962660

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.4
54	48.3	38.7	58.1

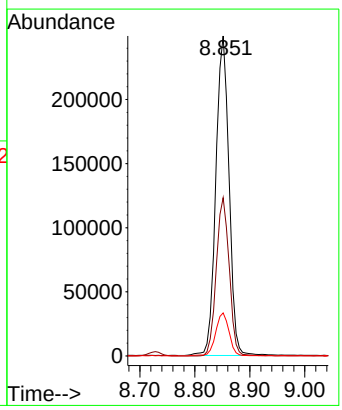


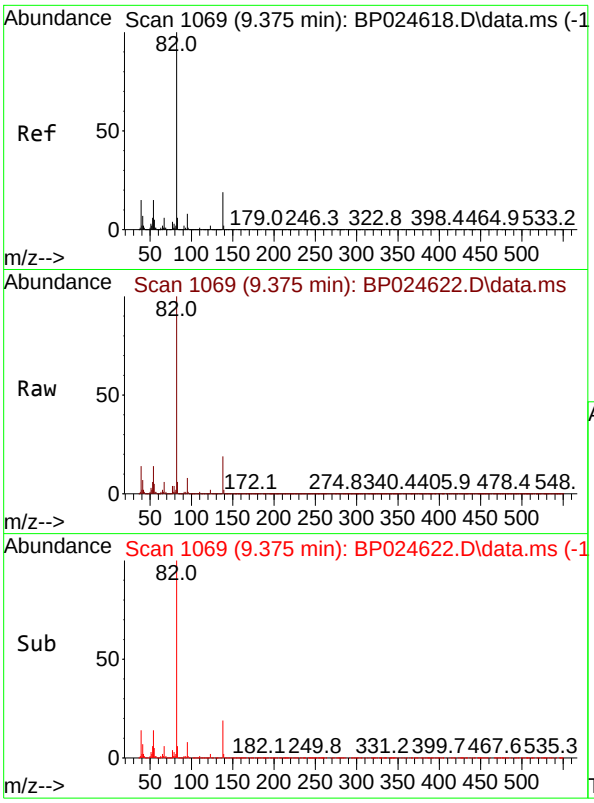


#24
Nitrobenzene
Concen: 38.505 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 416985

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.4	56.0
65	13.5	11.3	16.9



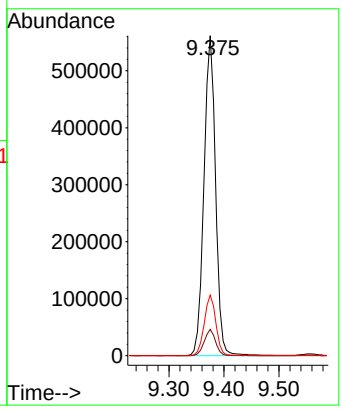


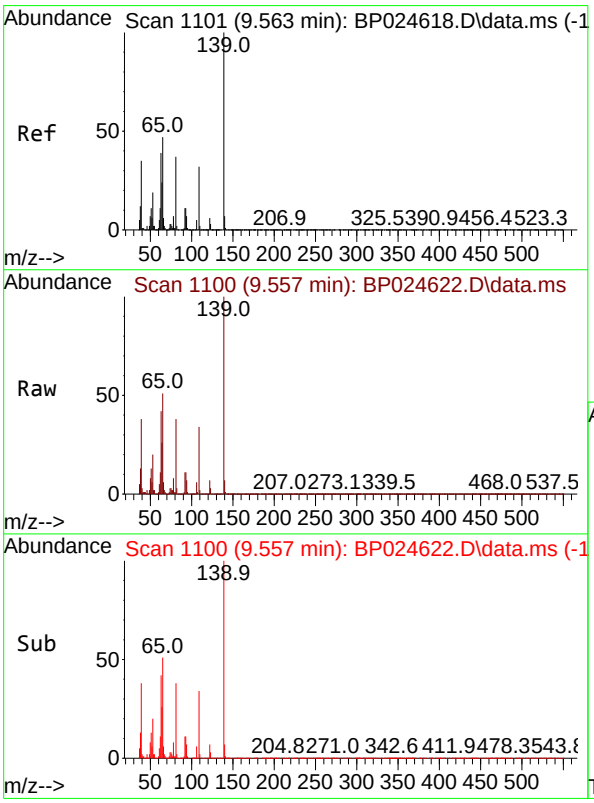
#25
Isophorone
Concen: 38.491 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 82 Resp: 821637

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.3	9.5
138	18.9	15.3	22.9

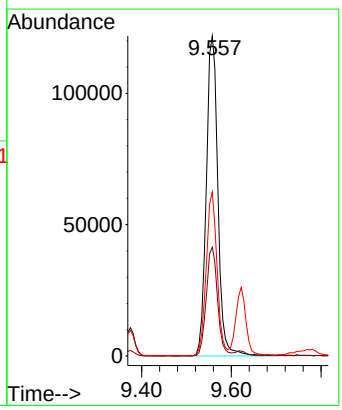


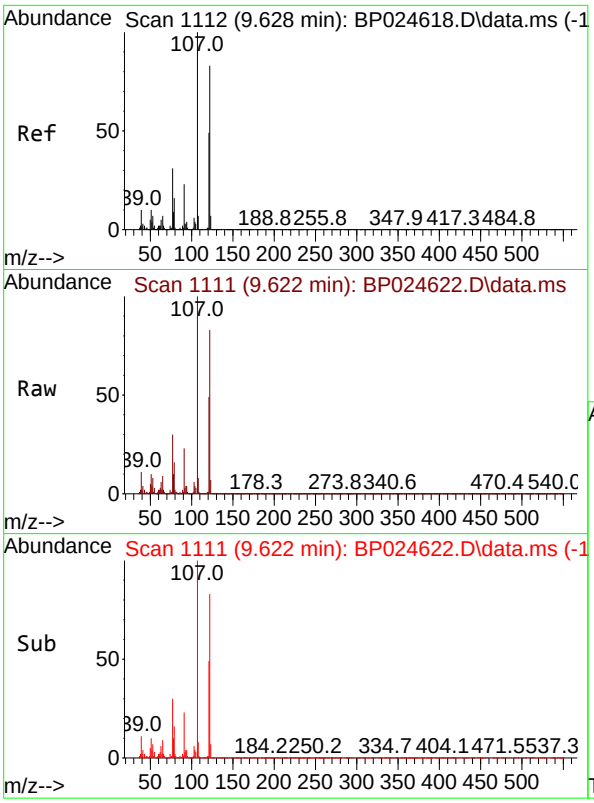


#26
2-Nitrophenol
Concen: 41.121 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 218211

Ion	Ratio	Lower	Upper
139	100		
109	34.0	25.9	38.9
65	51.3	37.9	56.9



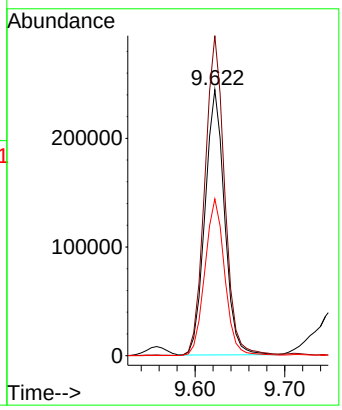


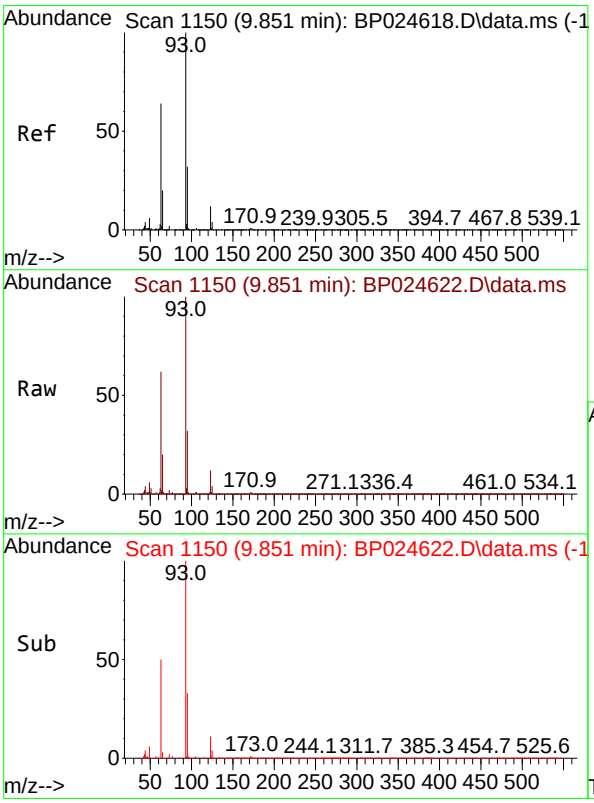
#27
2,4-Dimethylphenol
Concen: 39.484 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:122 Resp: 369418

Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.2
121	58.9	47.6	71.4

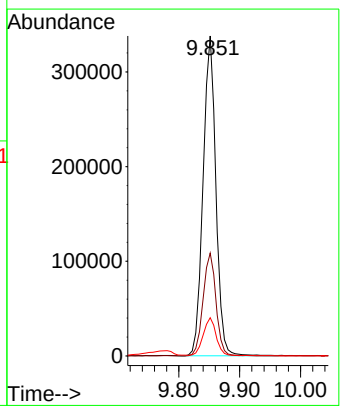


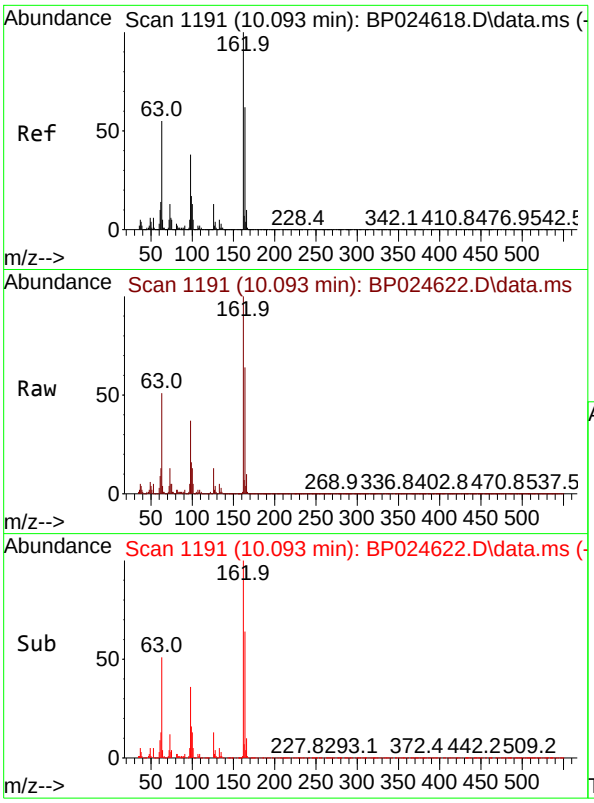


#28
bis(2-Chloroethoxy)methane
Concen: 38.714 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 493722

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	12.0	9.7	14.5



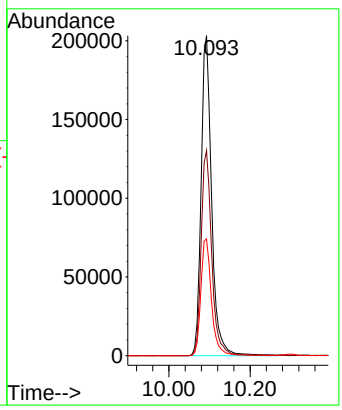


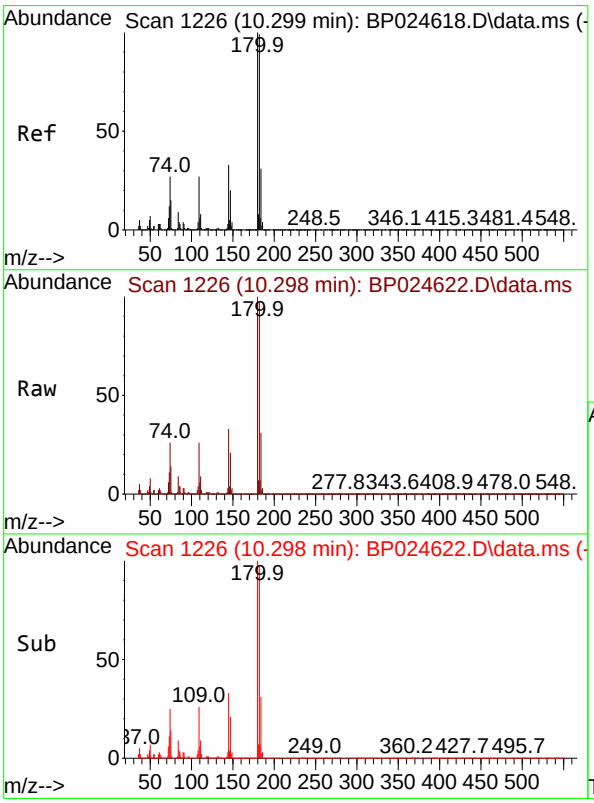
#29
2,4-Dichlorophenol
Concen: 40.189 ng
RT: 10.093 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:162 Resp: 364373

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	36.5	18.4	58.4

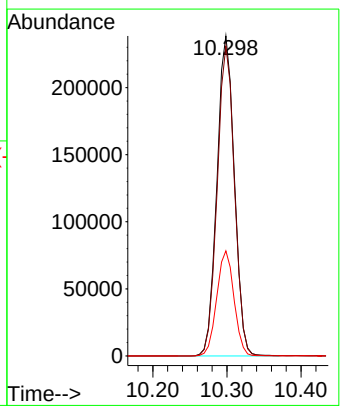


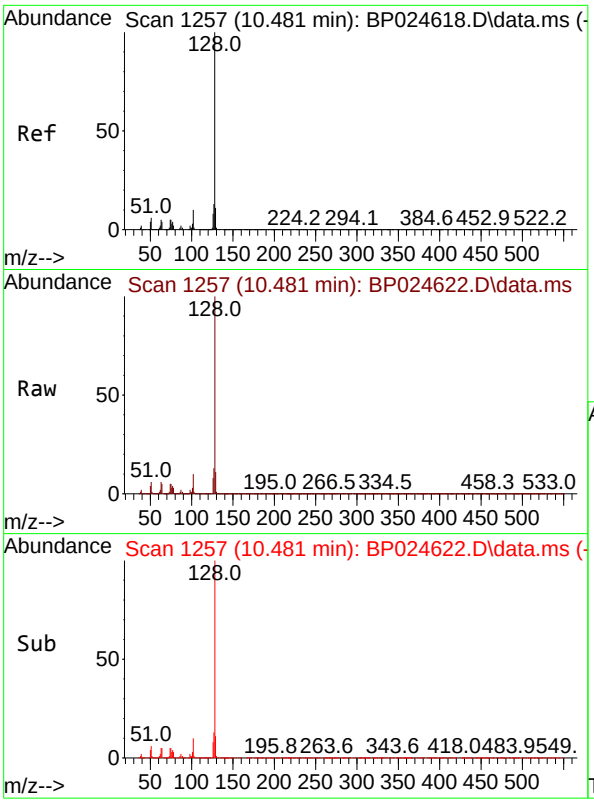


#30
1,2,4-Trichlorobenzene
Concen: 38.109 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:180 Resp: 389362

Ion	Ratio	Lower	Upper
180	100		
182	96.8	79.0	118.4
145	32.9	26.6	39.8



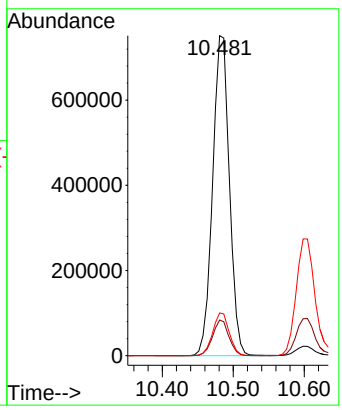


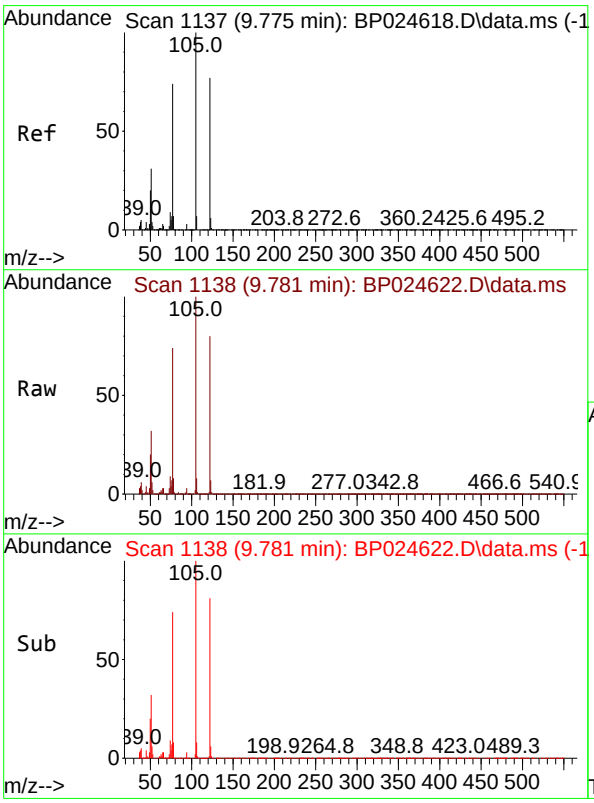
#31
Naphthalene
Concen: 38.069 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:128 Resp: 1226624

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.7	16.1

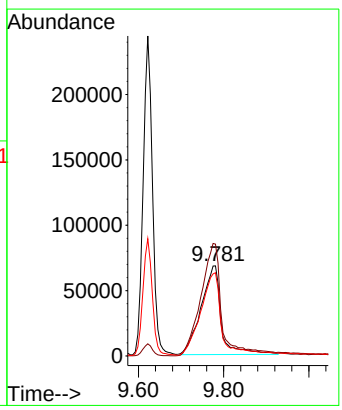


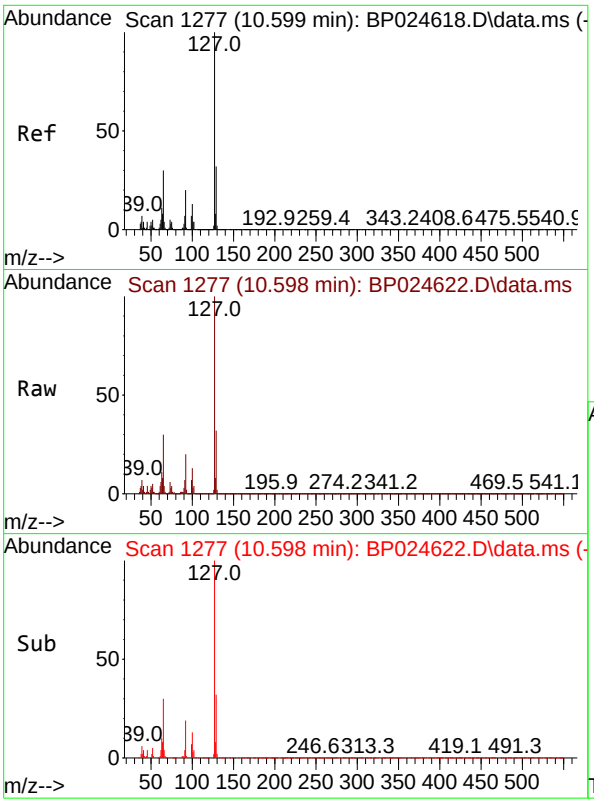


#32
Benzoic acid
Concen: 36.464 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 223660

Ion	Ratio	Lower	Upper
122	100		
105	124.2	106.9	146.9
77	92.5	75.1	115.1



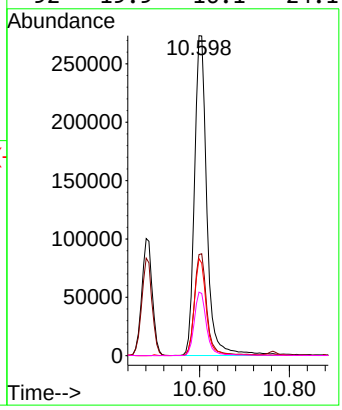


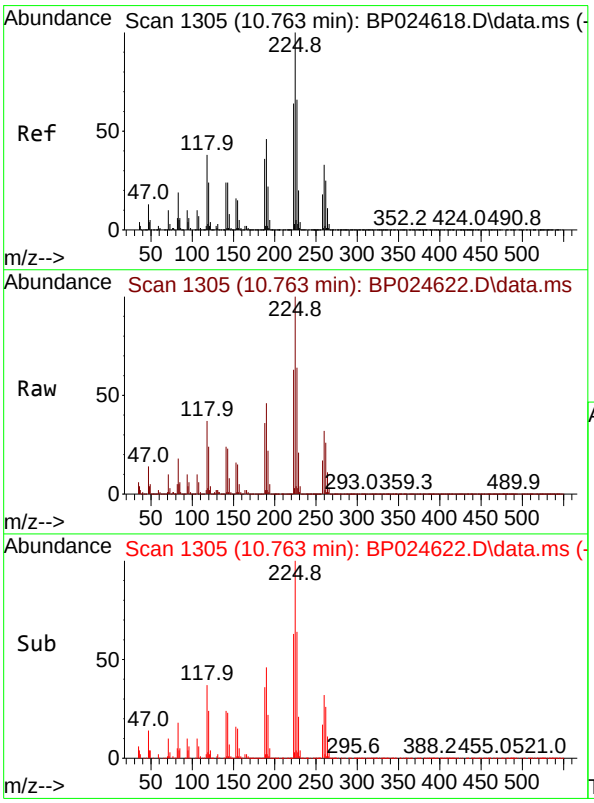
#33
4-Chloroaniline
Concen: 40.368 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:127 Resp: 524873

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.8	38.6
65	30.3	23.9	35.9
92	19.9	16.1	24.1

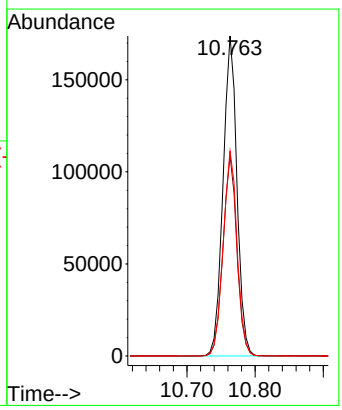


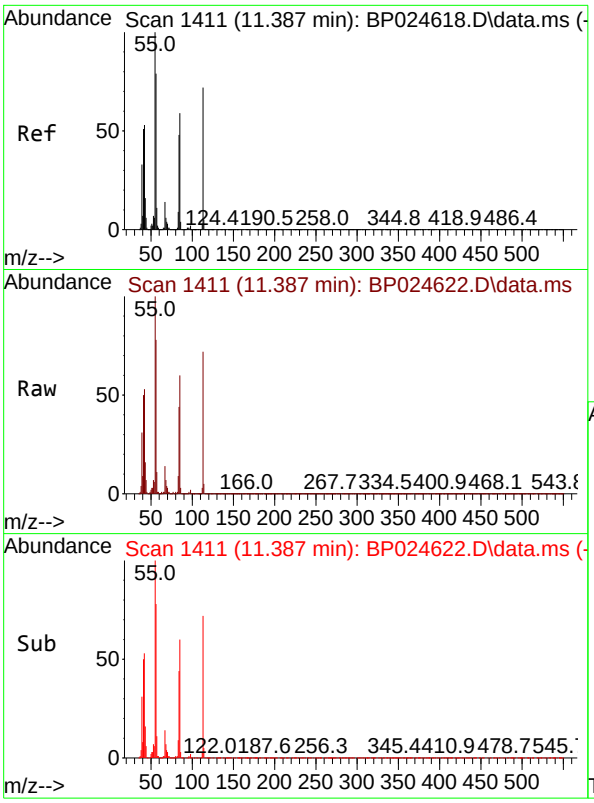


#34
Hexachlorobutadiene
Concen: 37.285 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:225 Resp: 246776

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.0	53.1	79.7



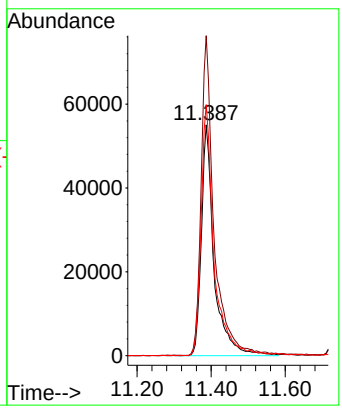


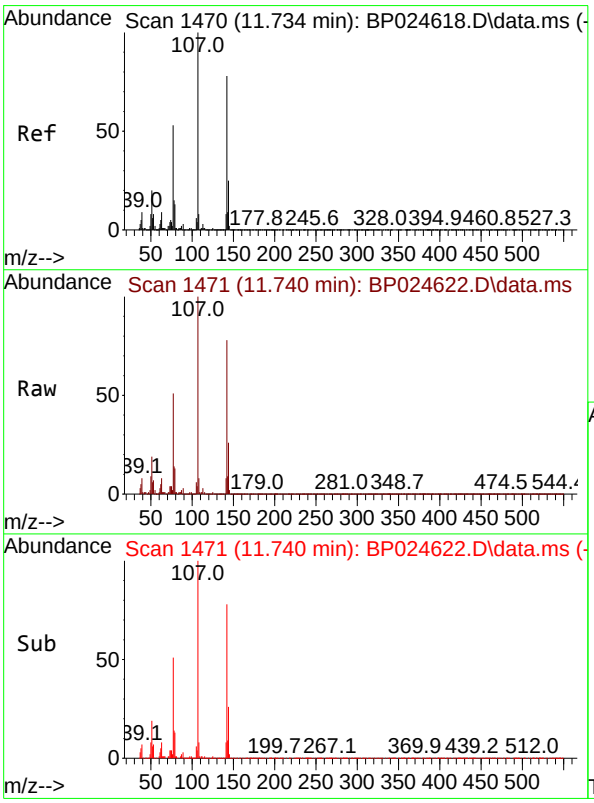
#35
Caprolactam
Concen: 39.752 ng
RT: 11.387 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:113 Resp: 130399

Ion	Ratio	Lower	Upper
113	100		
55	138.6	119.0	159.0
56	108.8	90.3	130.3

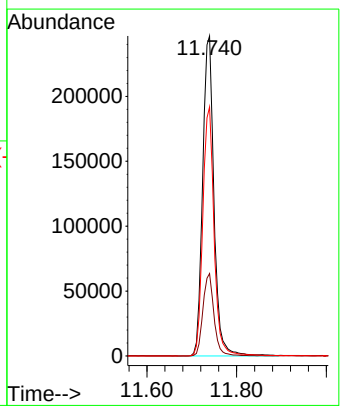


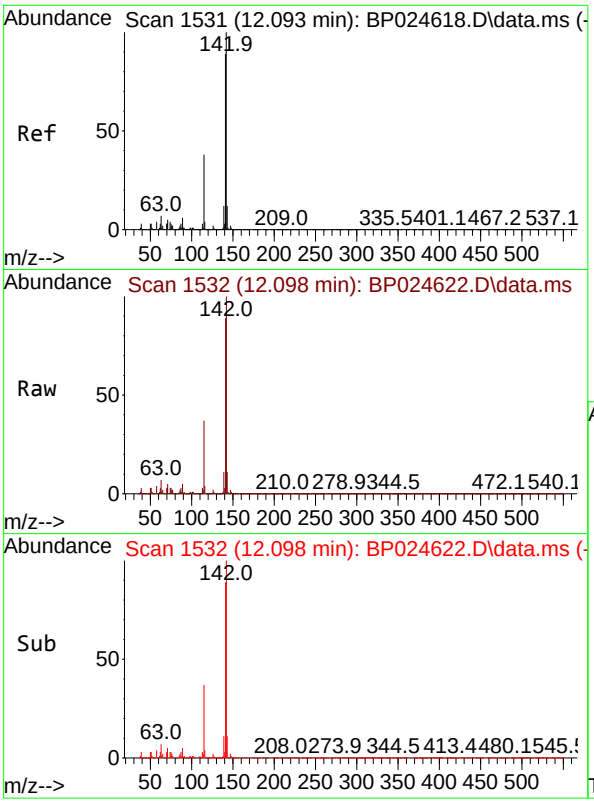


#36
4-Chloro-3-methylphenol
Concen: 39.013 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 431344

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.1	30.1
142	77.8	62.1	93.1



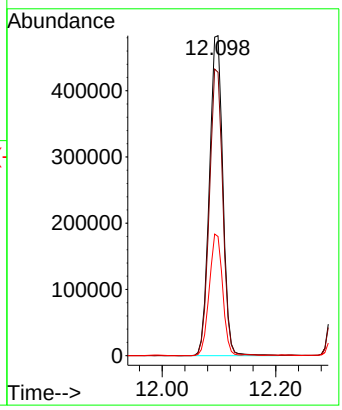


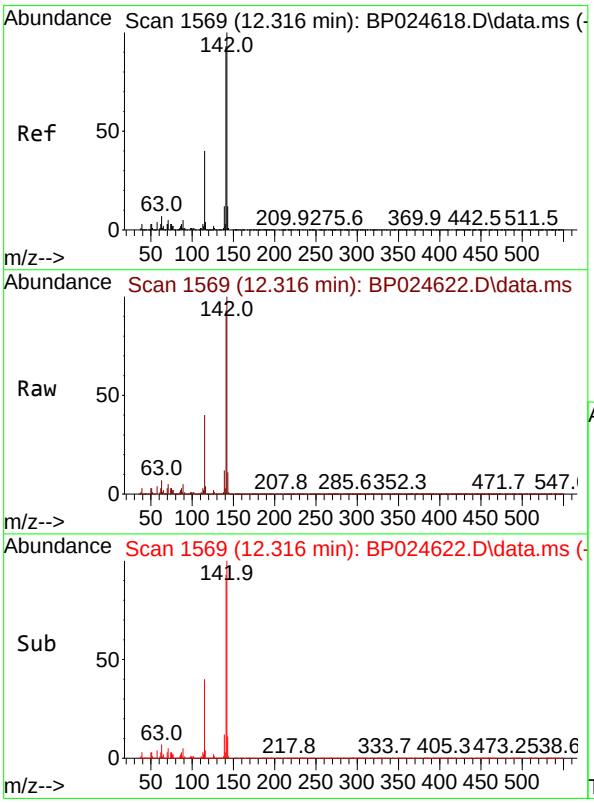
#37
2-Methylnaphthalene
Concen: 37.852 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:142 Resp: 789724

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8
115	37.2	30.6	46.0

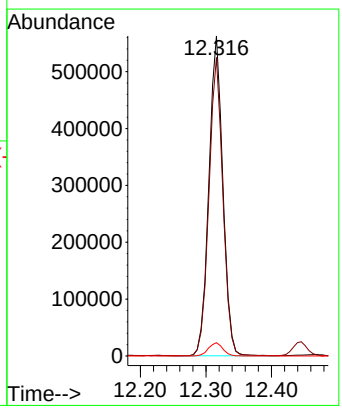


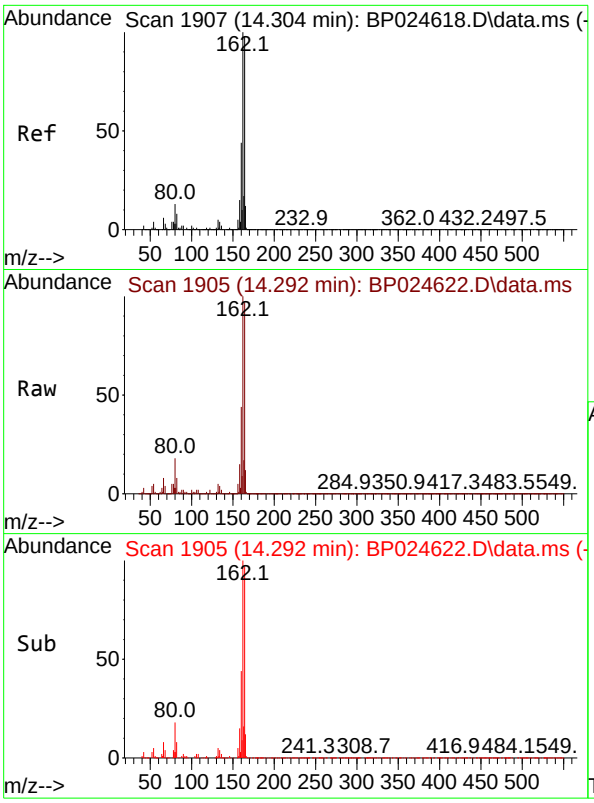


#38
1-Methylnaphthalene
Concen: 37.339 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 833521

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.7	112.1
116	4.2	3.4	5.2



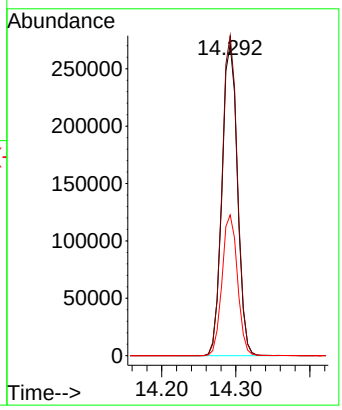


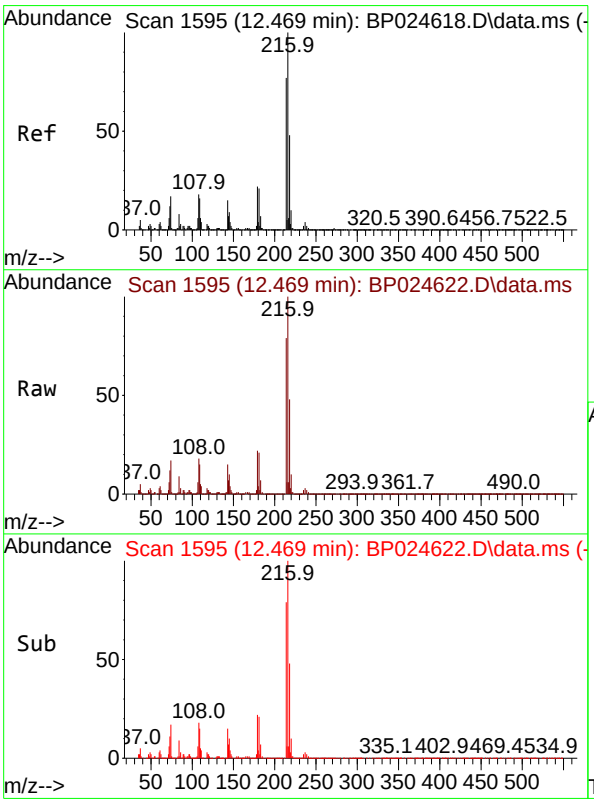
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:164 Resp: 391112

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.2	36.3	54.5

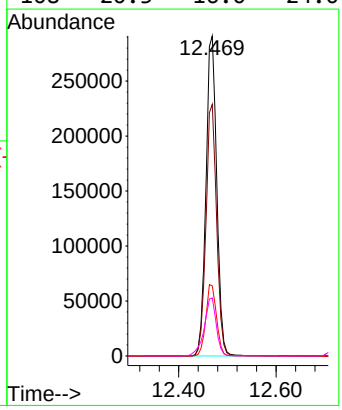


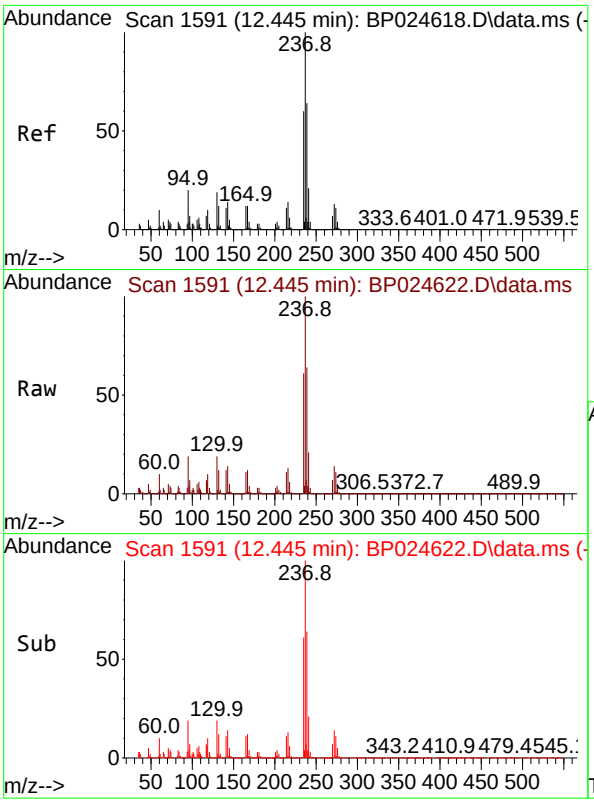


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.130 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:216 Resp: 444420

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	22.2	17.7	26.5
108	20.3	16.0	24.0



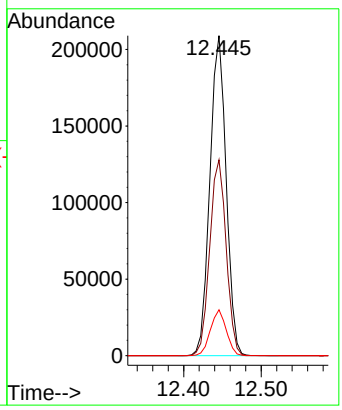


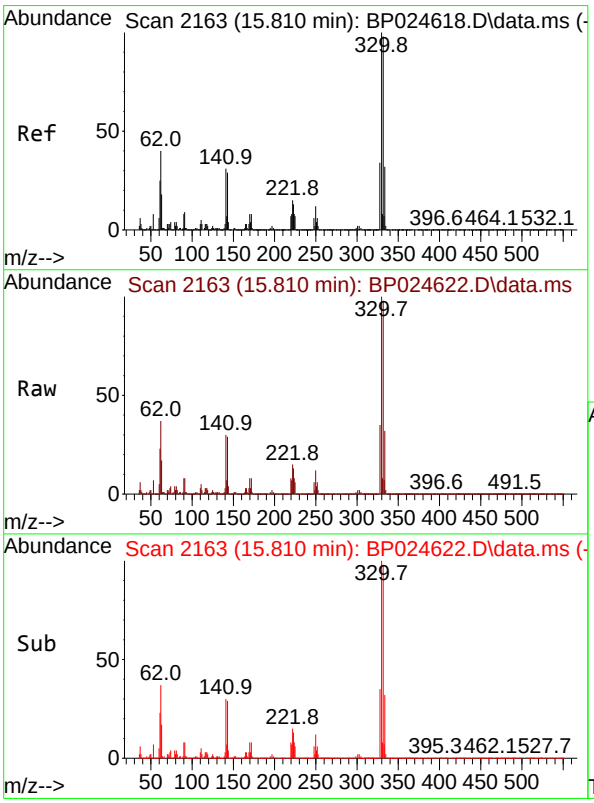
#41
Hexachlorocyclopentadiene
Concen: 44.371 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:237 Resp: 305575

Ion	Ratio	Lower	Upper
237	100		
235	61.2	39.9	79.9
272	14.3	0.0	33.2

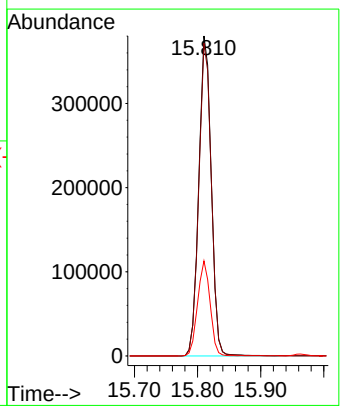


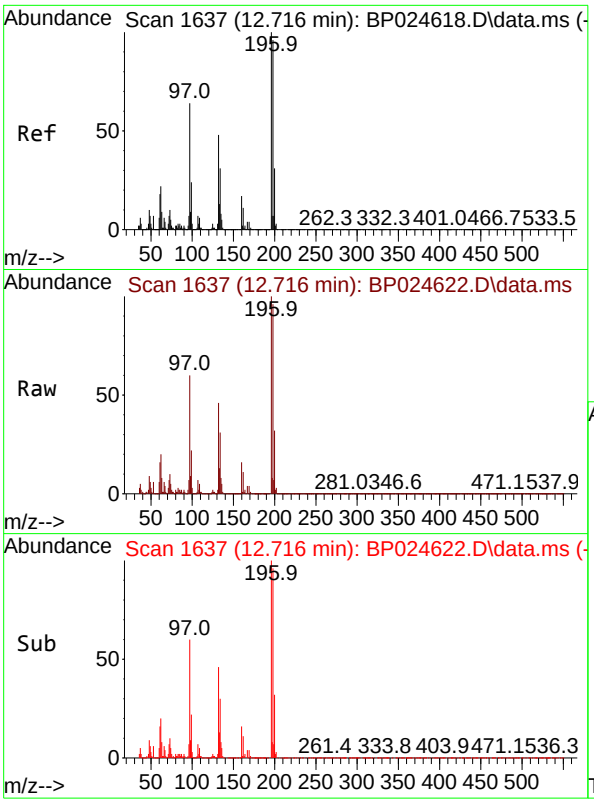


#42
2,4,6-Tribromophenol
Concen: 78.525 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:330 Resp: 520660

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.2	117.4
141	29.8	24.3	36.5



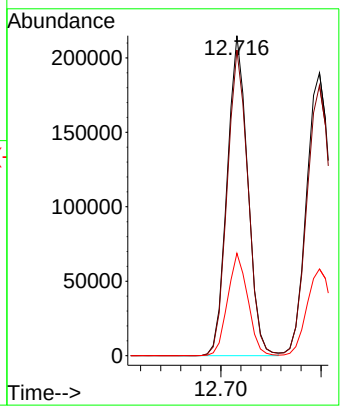


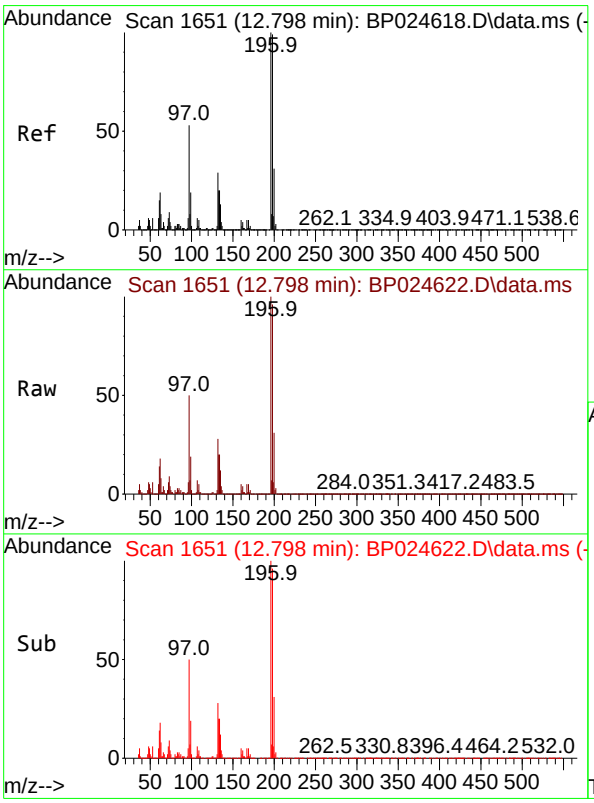
#43
2,4,6-Trichlorophenol
Concen: 41.549 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:196 Resp: 305651

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.9	115.3
200	32.0	25.2	37.8

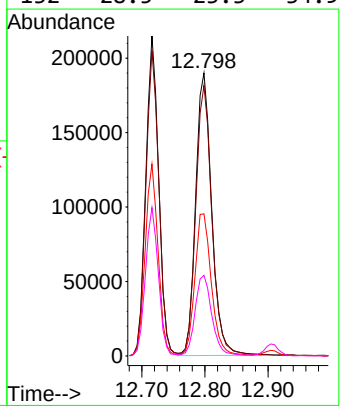


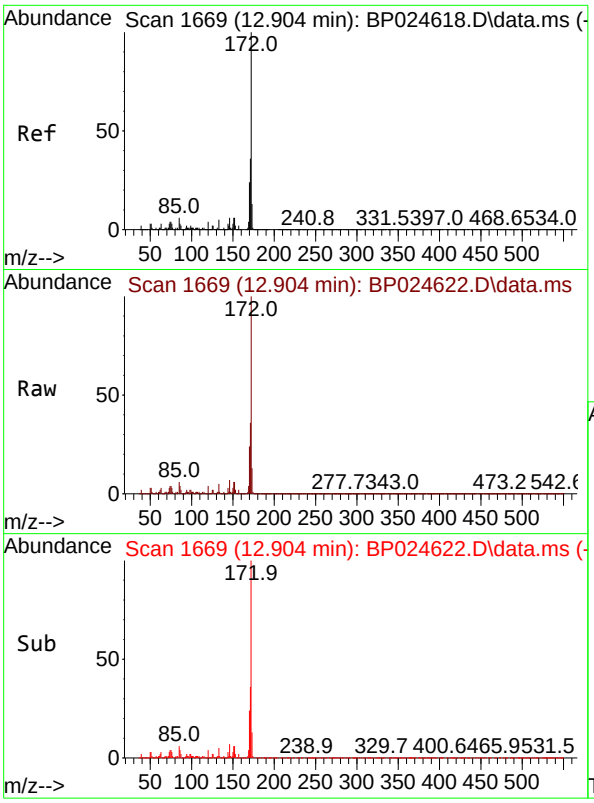


#44
2,4,5-Trichlorophenol
Concen: 41.064 ng
RT: 12.798 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 336252

Ion	Ratio	Lower	Upper
196	100		
198	95.6	79.2	118.8
97	50.2	42.3	63.5
132	28.5	23.3	34.9



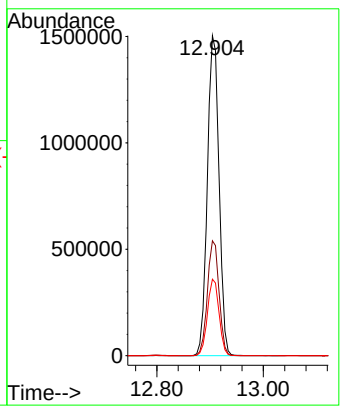


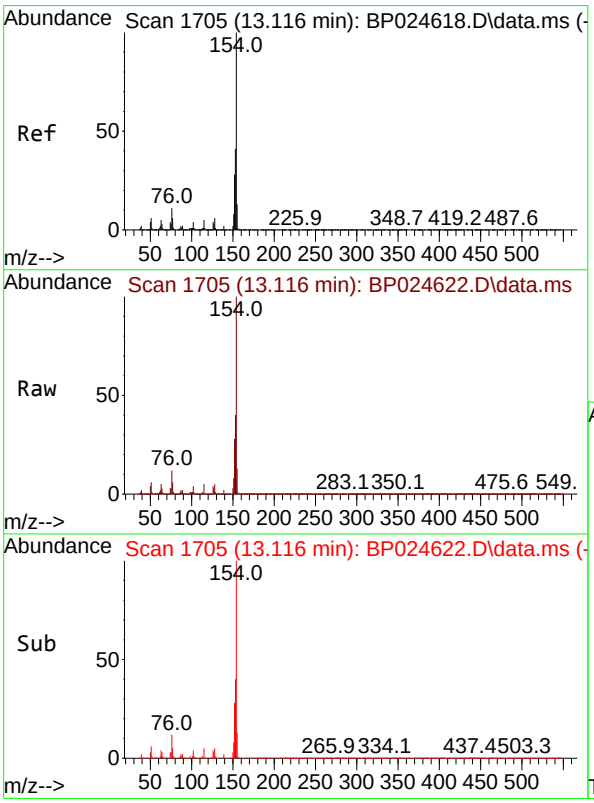
#45
2-Fluorobiphenyl
Concen: 76.733 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:172 Resp: 2290715

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.9	18.8	28.2

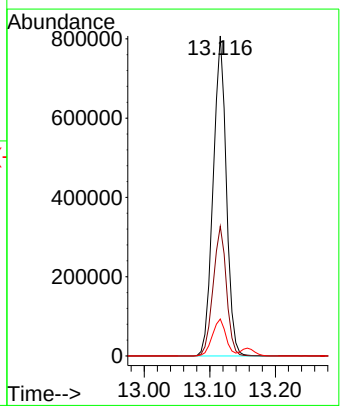


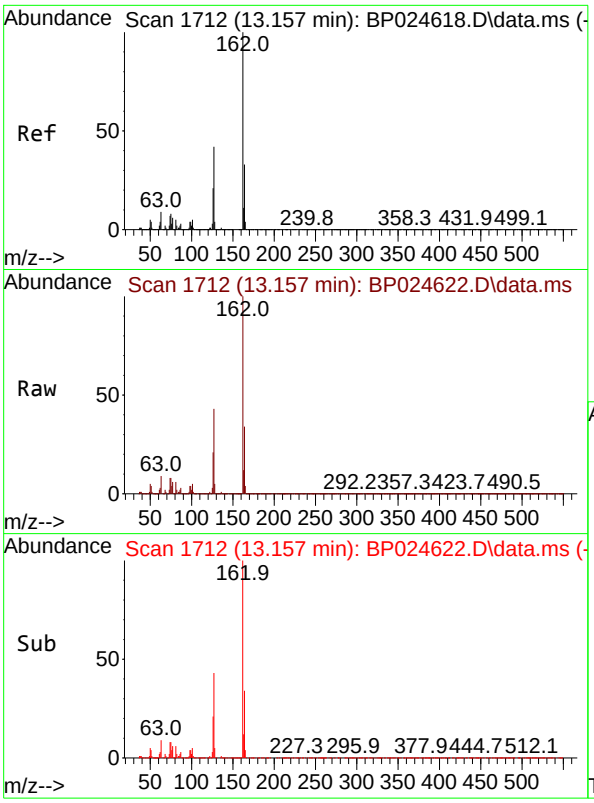


#46
1,1'-Biphenyl
Concen: 38.906 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 1124669

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.0	61.0
76	11.5	0.0	31.5



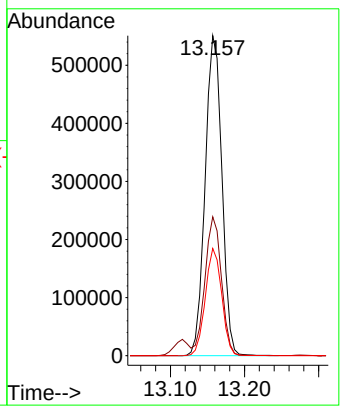


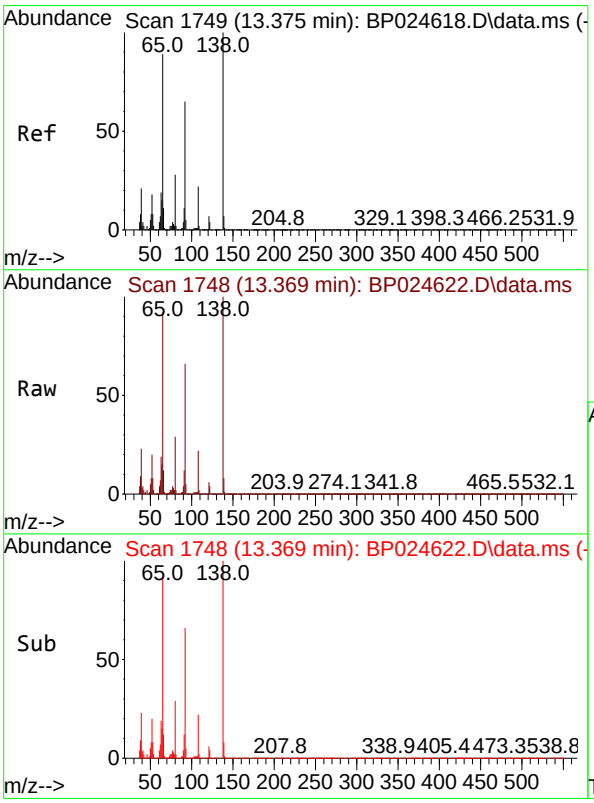
#47
2-Chloronaphthalene
Concen: 39.238 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:162 Resp: 864853

Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.8	50.6
164	33.5	26.0	39.0

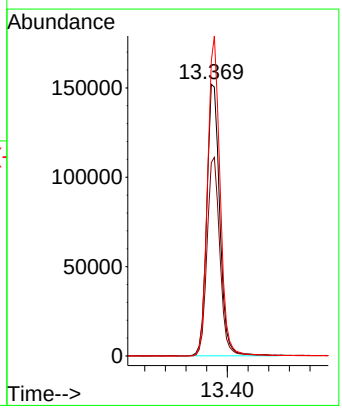


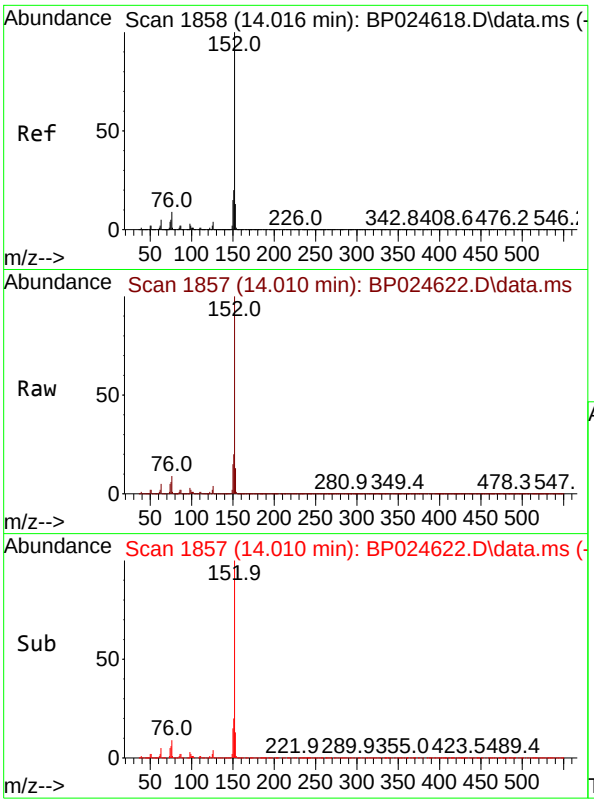


#48
2-Nitroaniline
Concen: 40.604 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 65 Resp: 264965

Ion	Ratio	Lower	Upper
65	100		
92	71.2	58.7	88.1
138	108.5	90.2	135.2



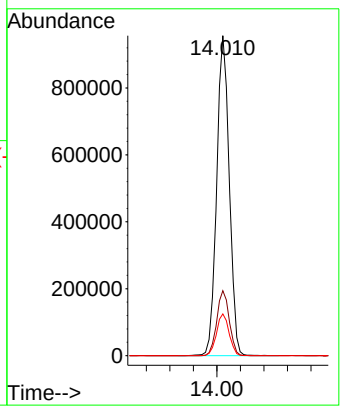


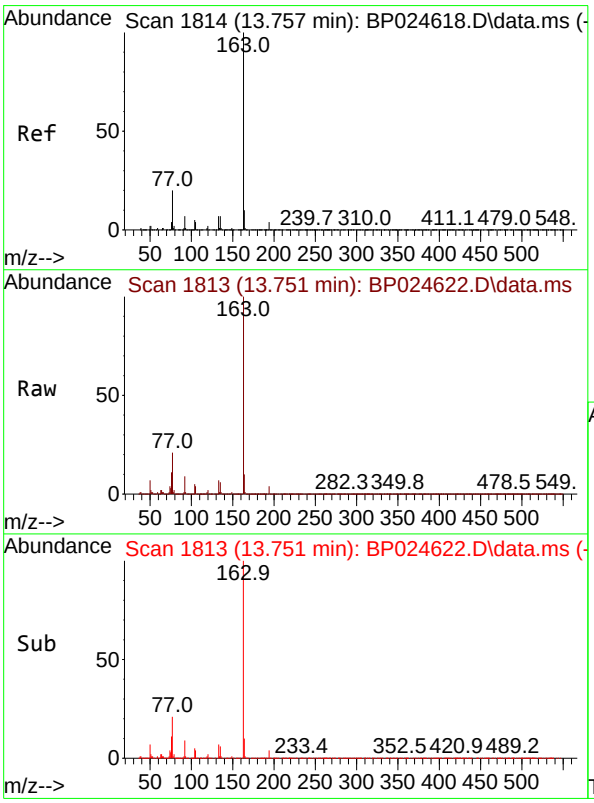
#49
Acenaphthylene
Concen: 38.493 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:152 Resp: 1419821

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.0	10.2	15.4

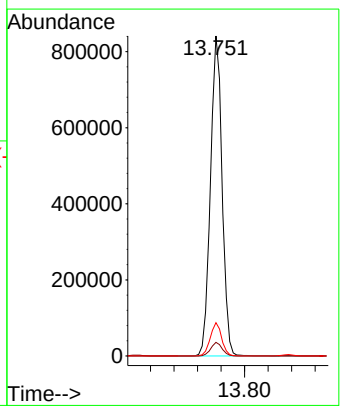


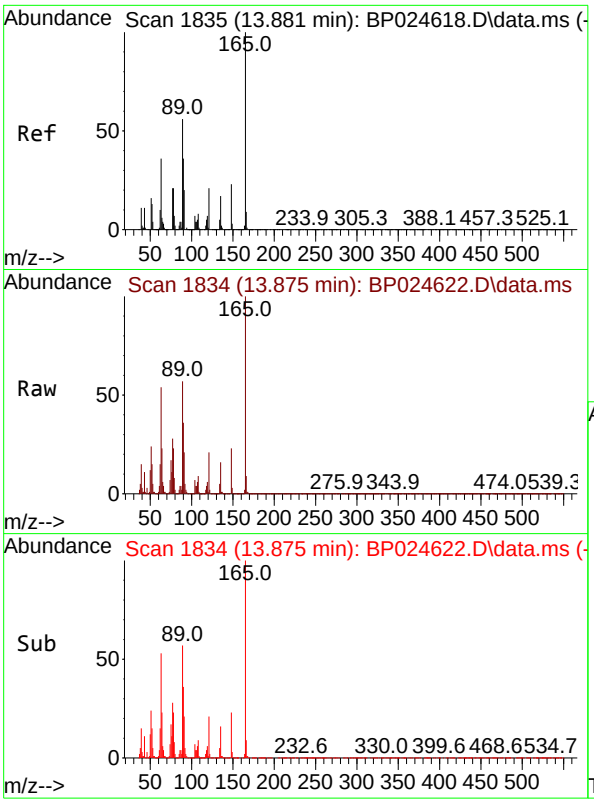


#50
Dimethylphthalate
Concen: 38.751 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:163 Resp: 1155211

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.4	8.1	12.1



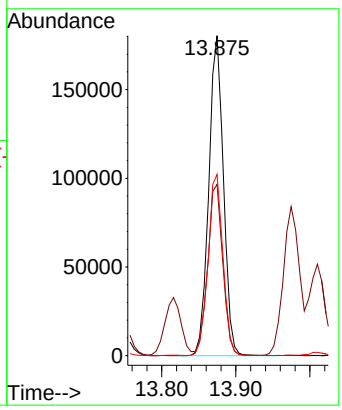


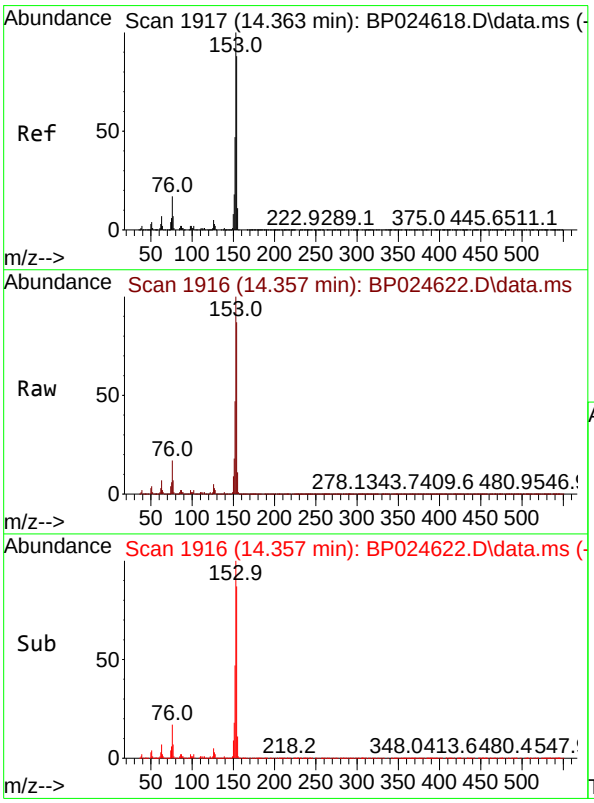
#51
2,6-Dinitrotoluene
Concen: 39.317 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:165 Resp: 247537

Ion	Ratio	Lower	Upper
165	100		
63	53.5	42.4	63.6
89	56.6	44.8	67.2

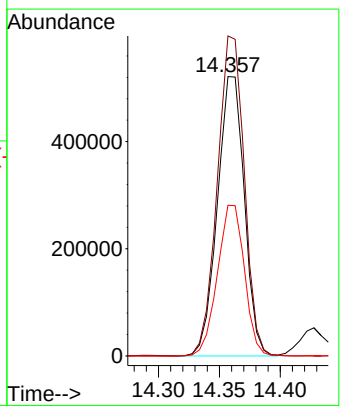


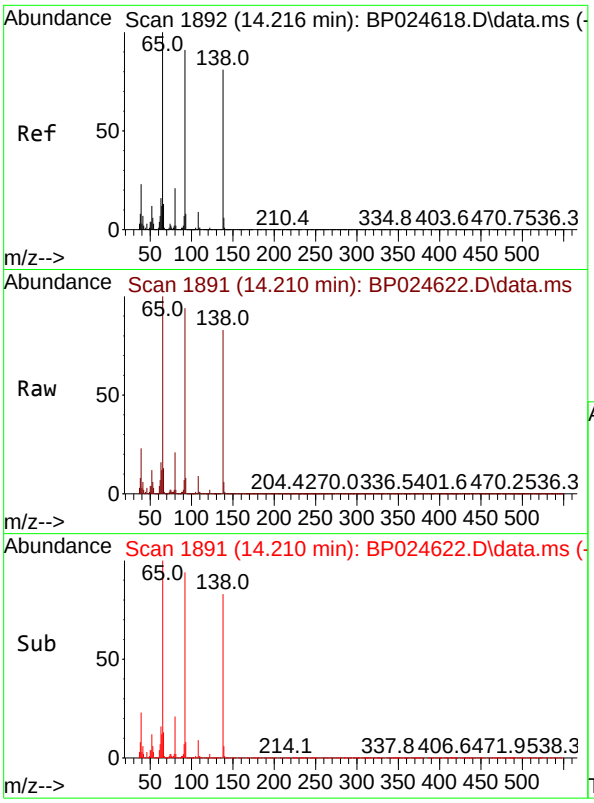


#52
Acenaphthene
Concen: 37.904 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 803755

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	54.0	42.9	64.3



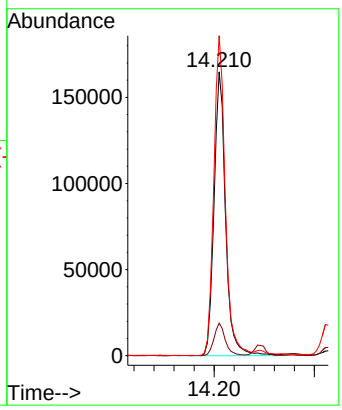


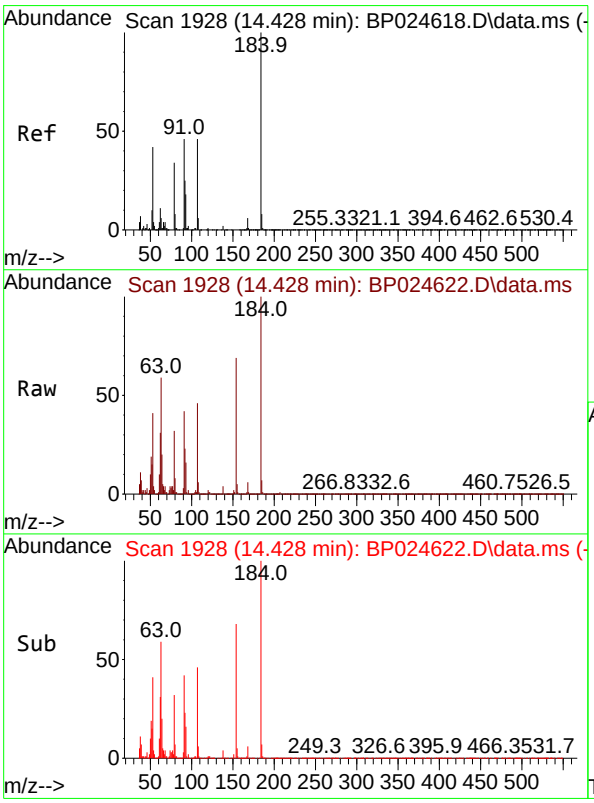
#53
3-Nitroaniline
Concen: 40.871 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:138 Resp: 262737

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.0	13.4
92	112.7	90.1	135.1

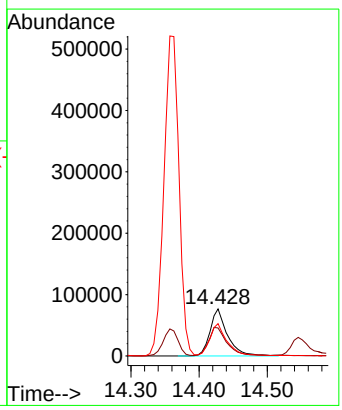


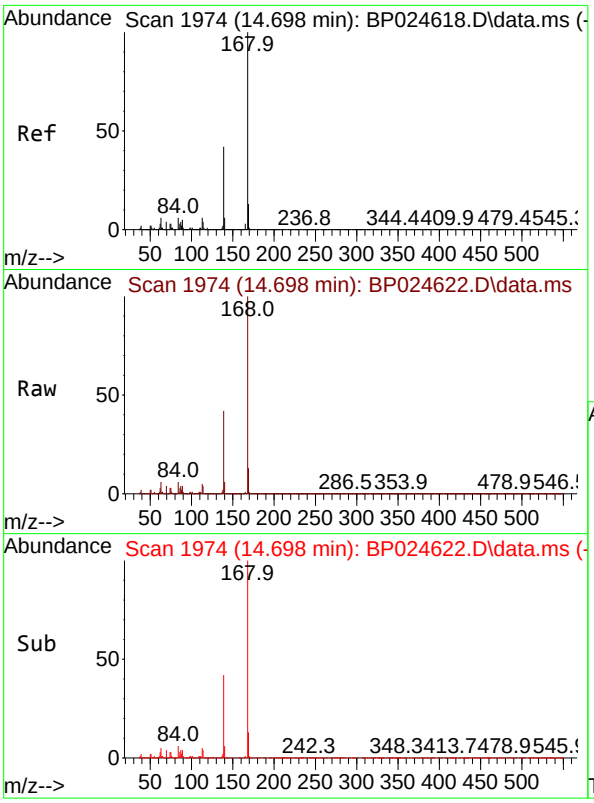


#54
2,4-Dinitrophenol
Concen: 37.829 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 135624

Ion	Ratio	Lower	Upper
184	100		
63	59.3	51.3	76.9
154	68.5	53.5	80.3



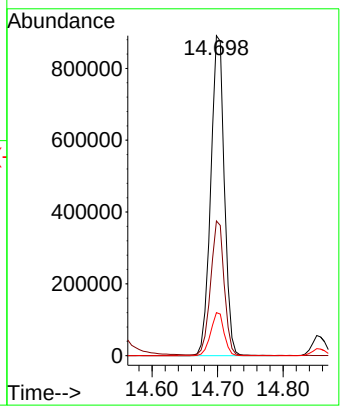


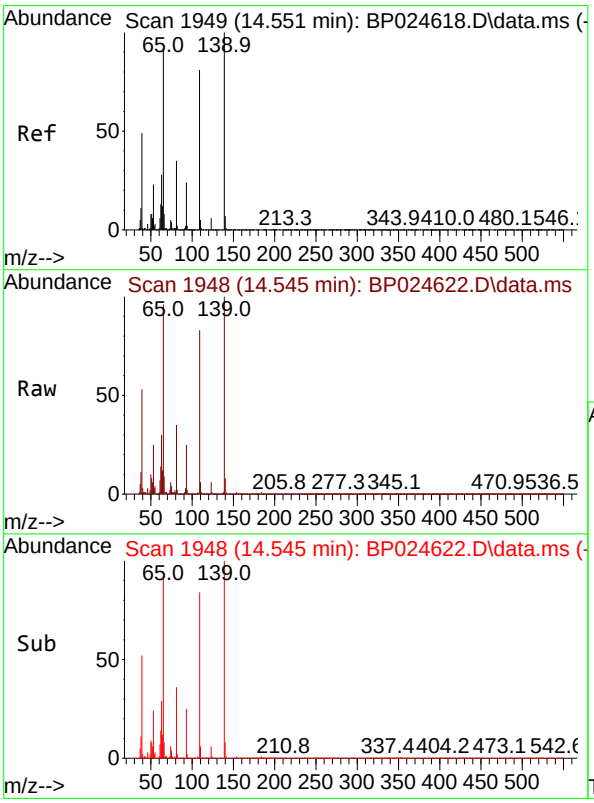
#55
Dibenzofuran
Concen: 37.910 ng
RT: 14.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:168 Resp: 1282228

Ion	Ratio	Lower	Upper
168	100		
139	42.1	34.2	51.4
169	13.5	10.8	16.2

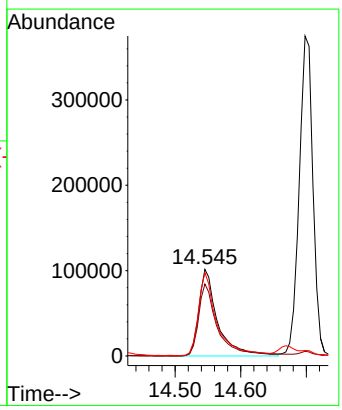


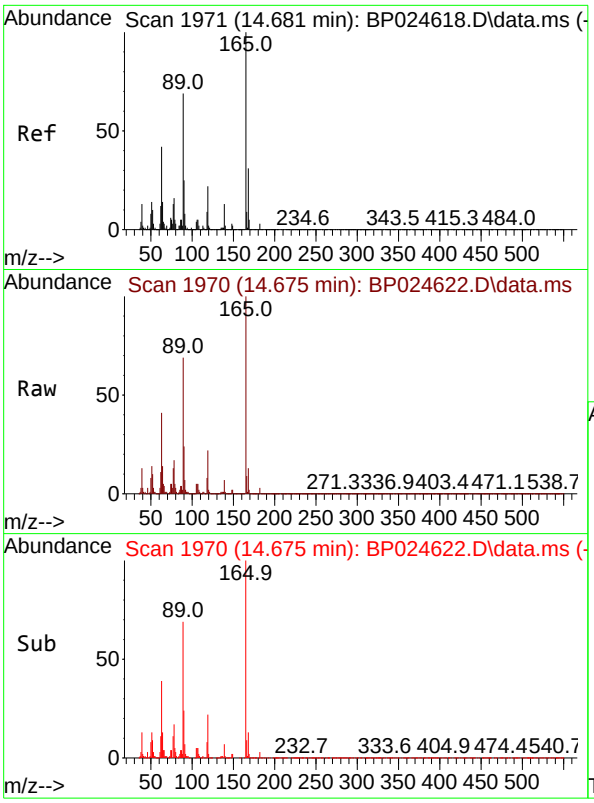


#56
4-Nitrophenol
Concen: 38.698 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 202528

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.4	101.4
65	96.3	72.2	112.2



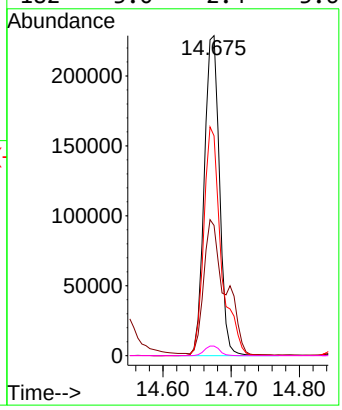


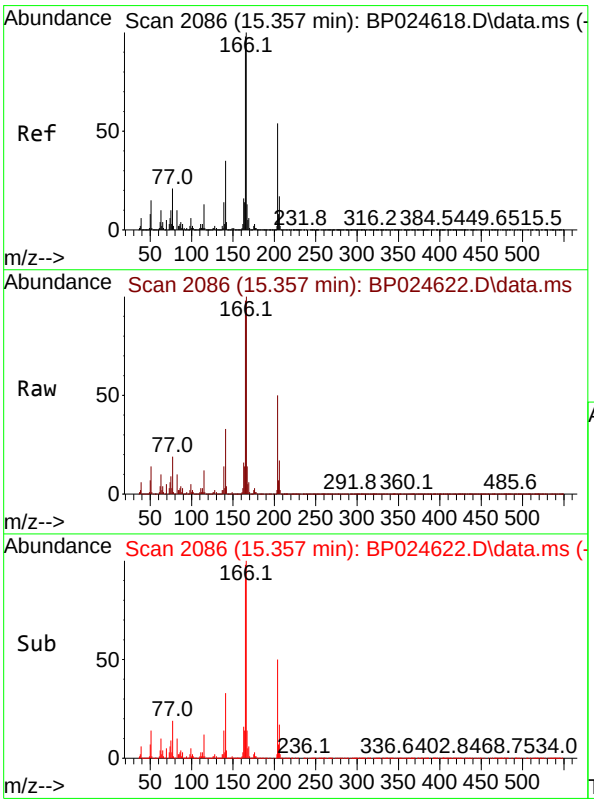
#57
2,4-Dinitrotoluene
Concen: 39.975 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:165 Resp: 354817

Ion	Ratio	Lower	Upper
165	100		
63	40.7	33.8	50.6
89	68.7	55.6	83.4
182	3.0	2.4	3.6

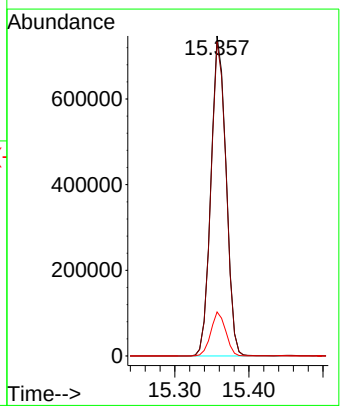


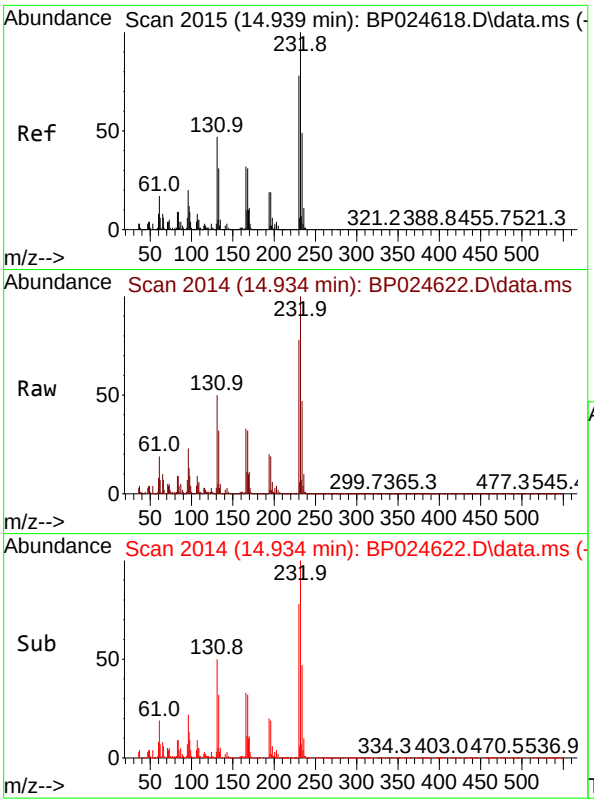


#58
Fluorene
Concen: 38.422 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:166 Resp: 1059642

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.5	117.7
167	13.8	10.7	16.1



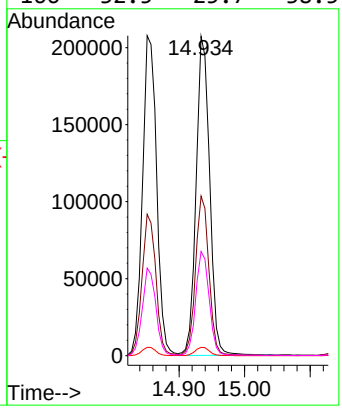


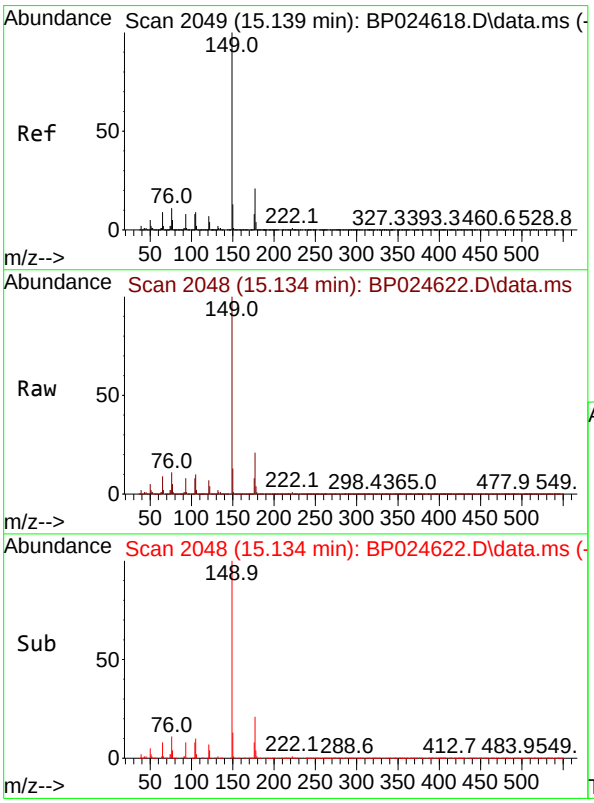
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.274 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:232 Resp: 298327

Ion	Ratio	Lower	Upper
232	100		
131	48.9	39.5	59.3
130	2.8	2.2	3.4
166	32.5	25.7	38.5

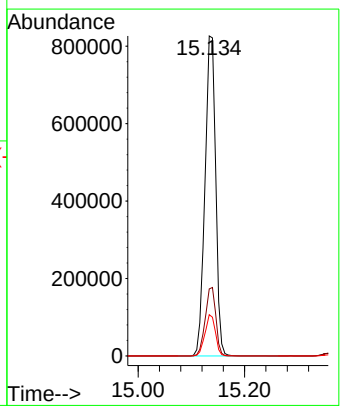


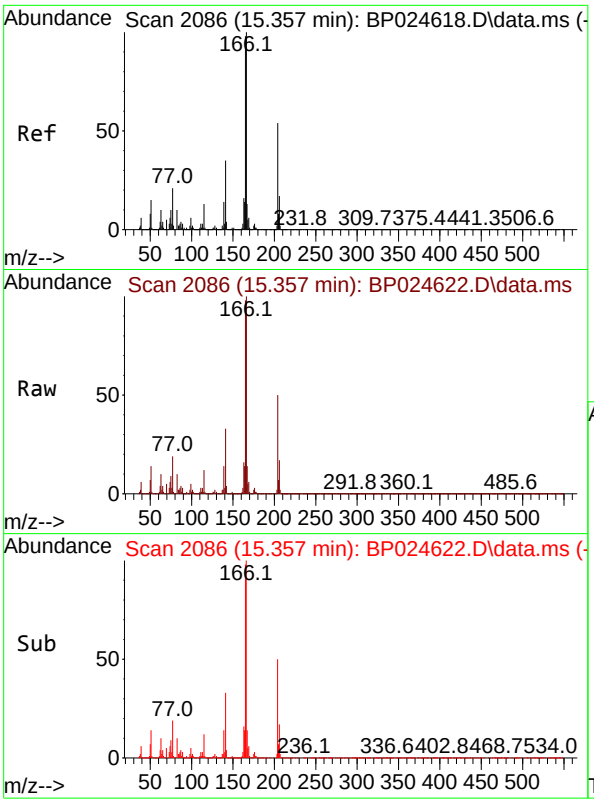


#60
Diethylphthalate
Concen: 38.171 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1150091

Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.7	25.1
150	12.9	10.2	15.2



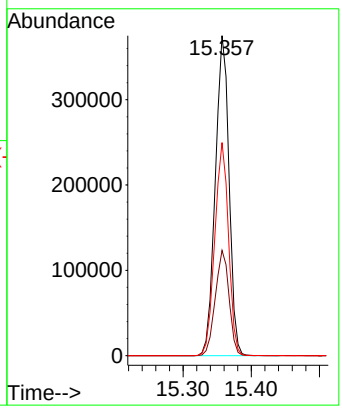


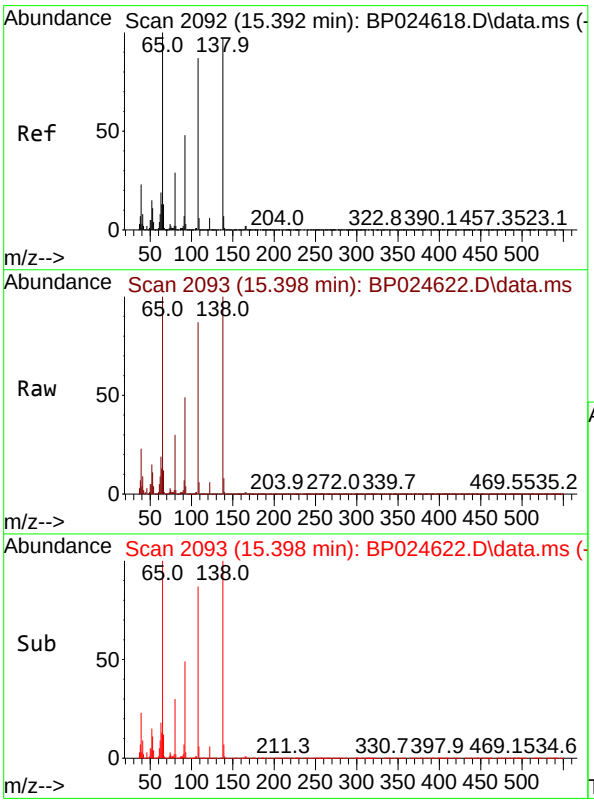
#61
4-Chlorophenyl-phenylether
Concen: 38.249 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:204 Resp: 526066

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.0	39.0
141	66.6	52.9	79.3

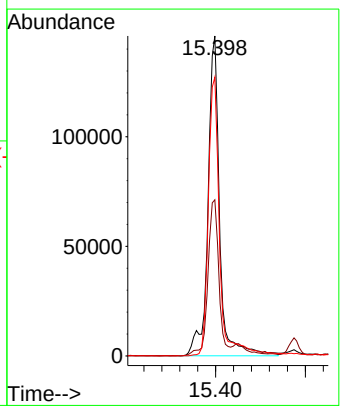


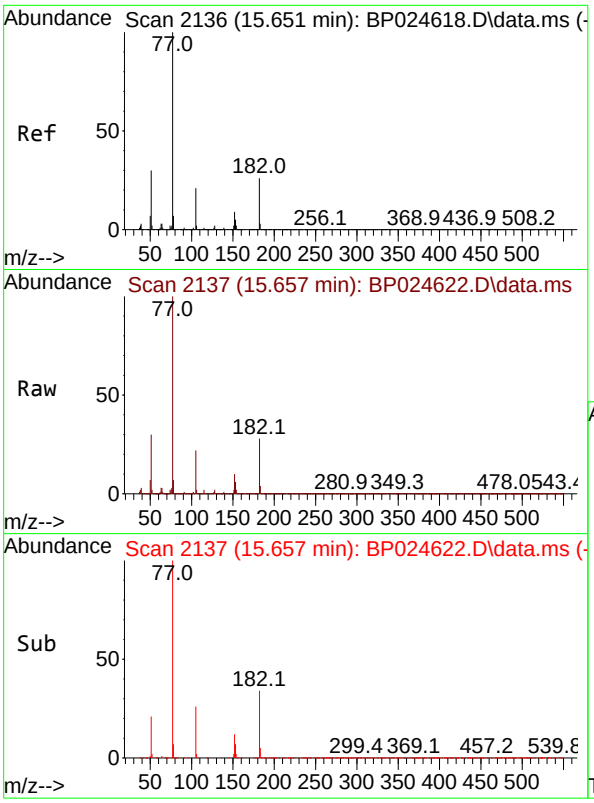


#62
4-Nitroaniline
Concen: 42.722 ng
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 265185

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.2	69.2
108	87.1	69.0	109.0



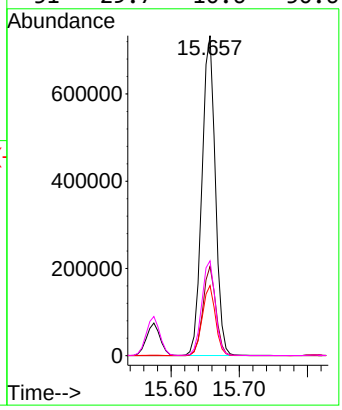


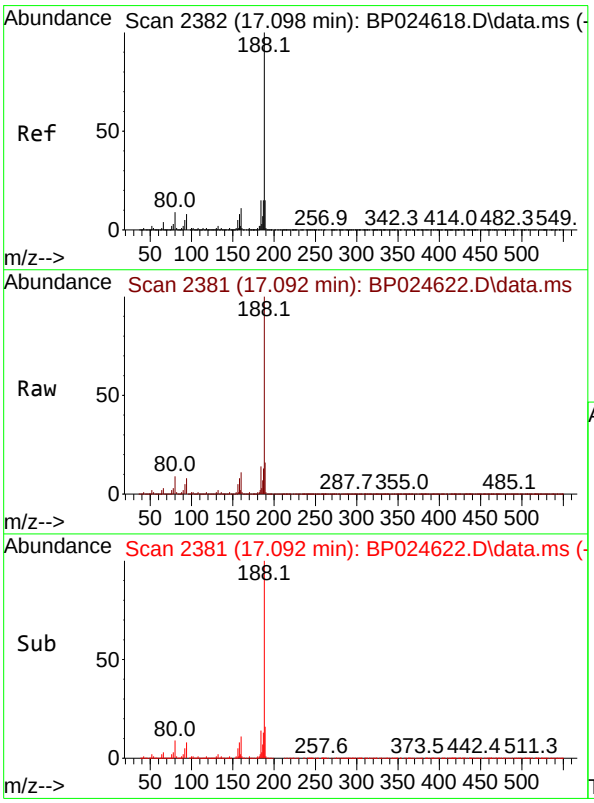
#63
Azobenzene
Concen: 38.822 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion: 77 Resp: 1000653

Ion	Ratio	Lower	Upper
77	100		
182	27.9	5.7	45.7
105	21.9	1.3	41.3
51	29.7	10.6	50.6

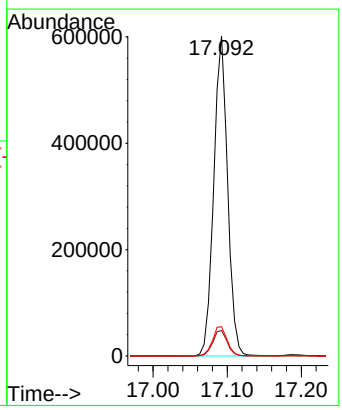


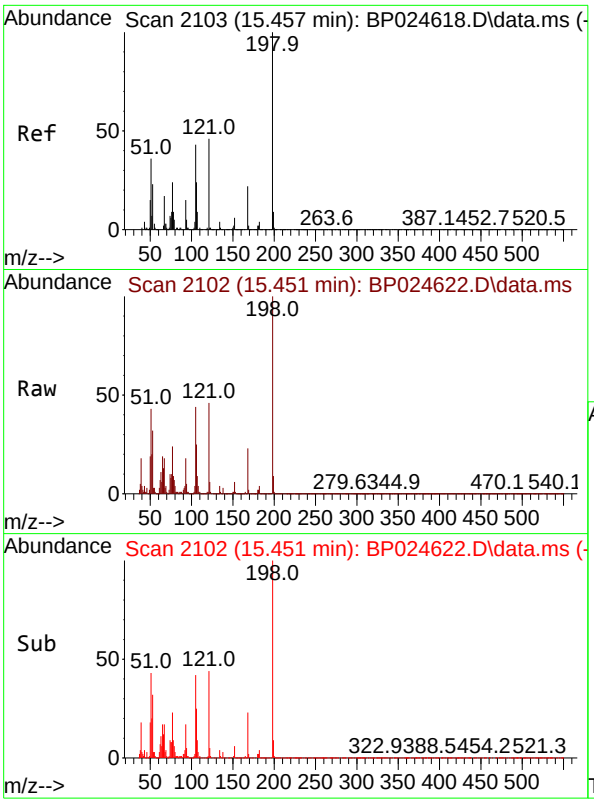


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:188 Resp: 780511

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.2	7.3	10.9



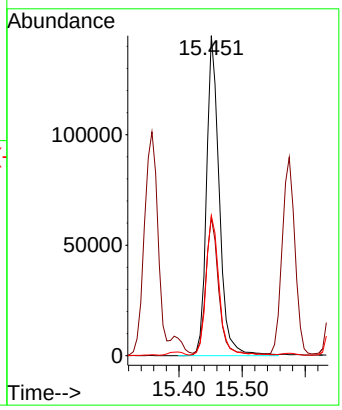


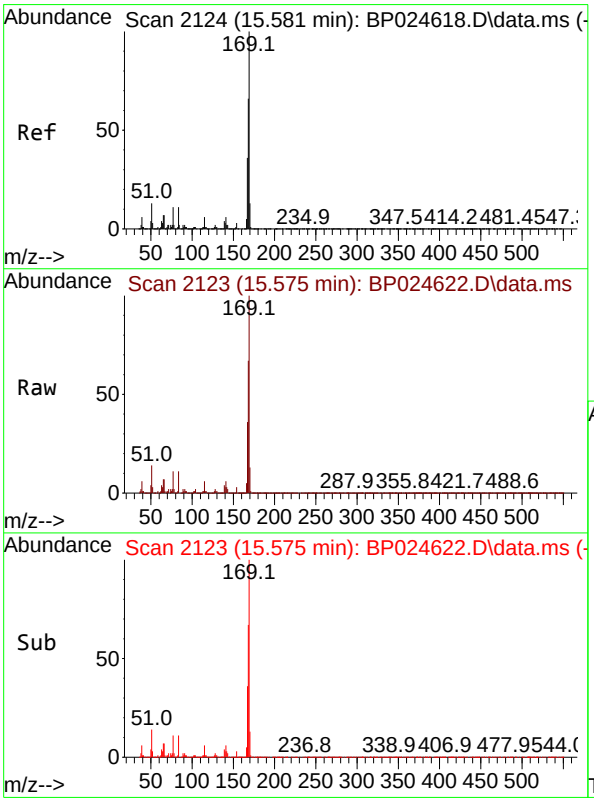
#65
4,6-Dinitro-2-methylphenol
Concen: 40.305 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:198 Resp: 203200

Ion	Ratio	Lower	Upper
198	100		
51	43.2	21.1	61.1
105	43.8	23.6	63.6

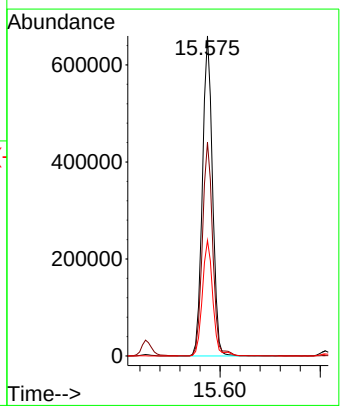


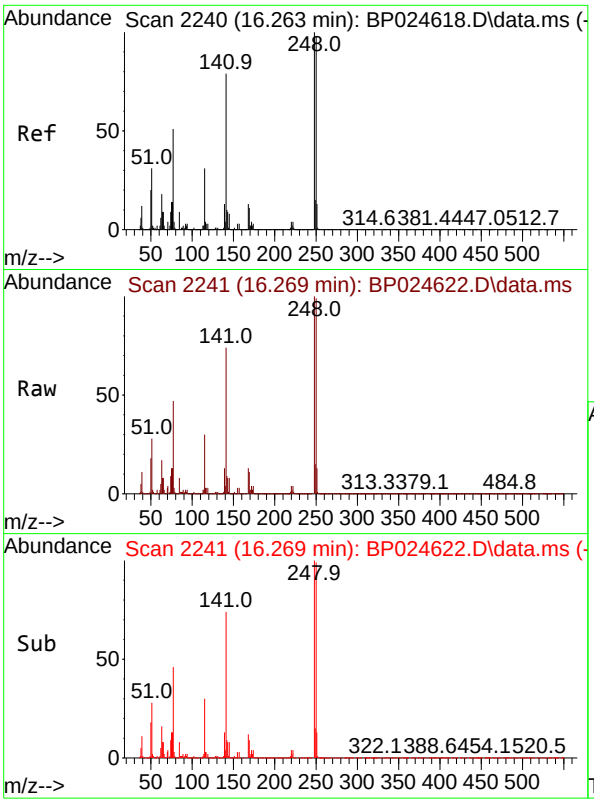


#66
n-Nitrosodiphenylamine
Concen: 38.382 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:169 Resp: 920187

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.1	28.6	43.0



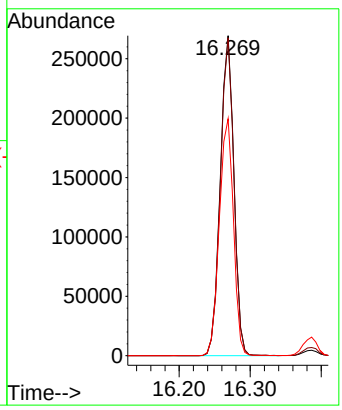


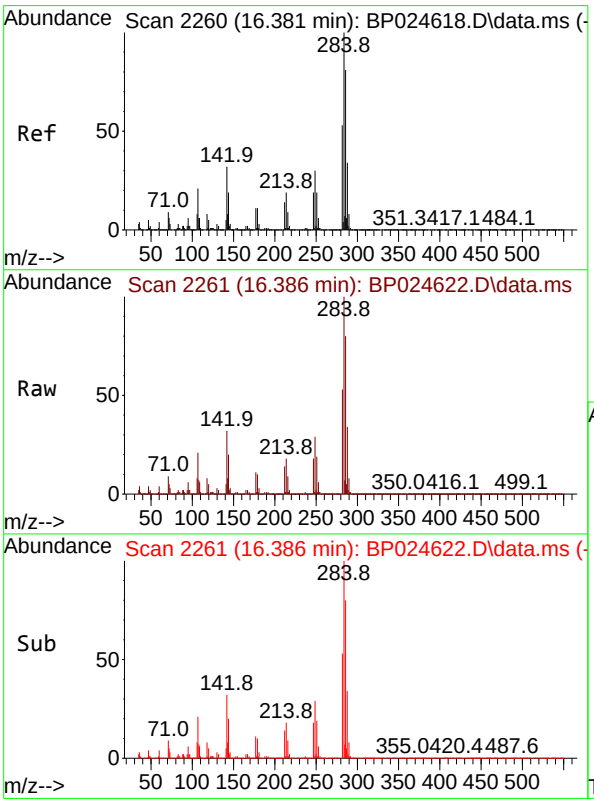
#67
4-Bromophenyl-phenylether
Concen: 38.909 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:248 Resp: 357846

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	74.1	63.0	94.6

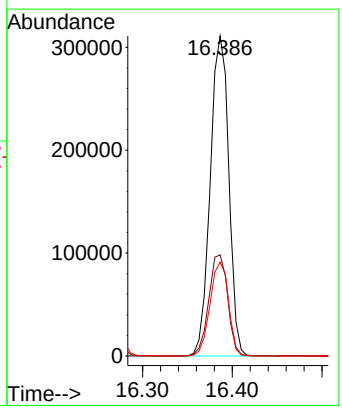


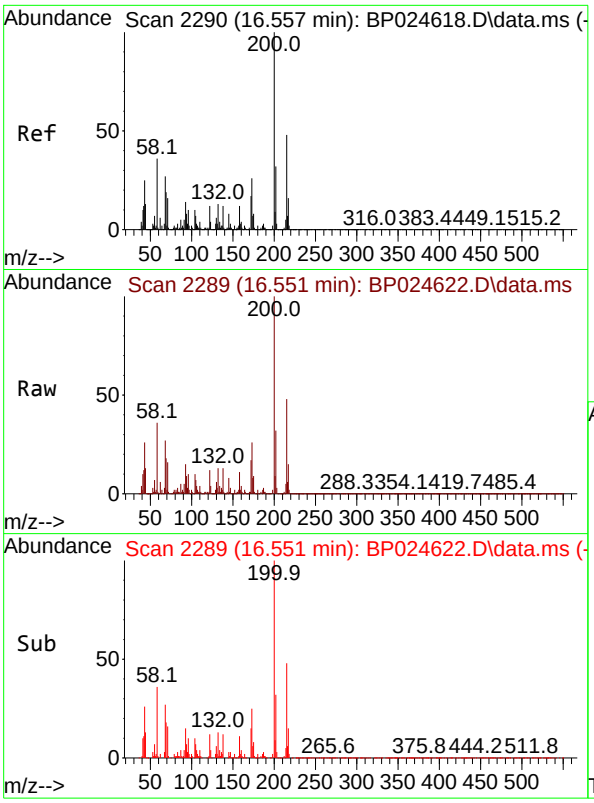


#68
Hexachlorobenzene
Concen: 38.175 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:284 Resp: 446142

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.9	38.9
249	29.3	24.1	36.1



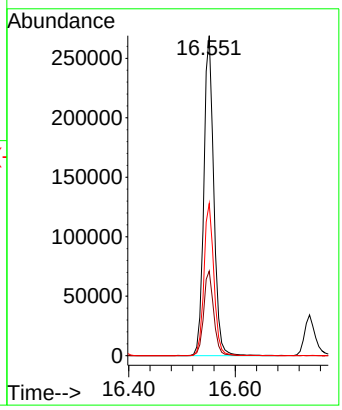


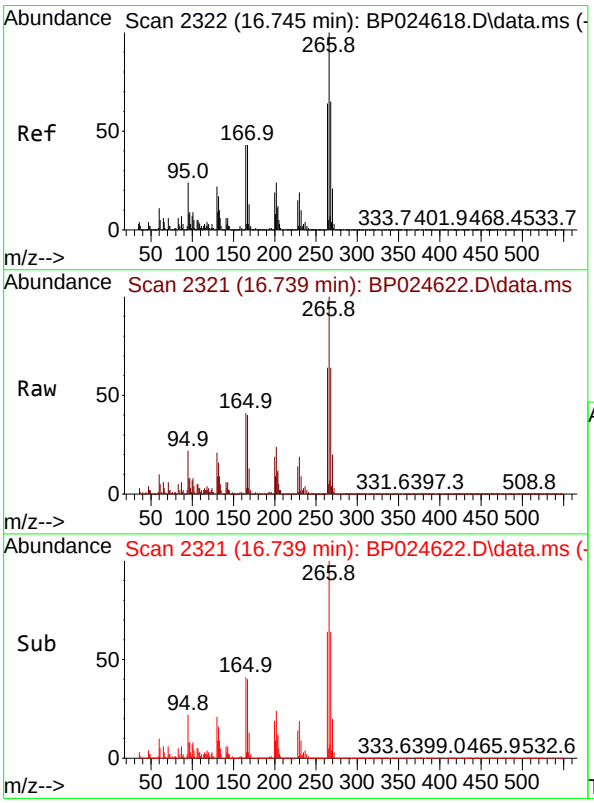
#69
Atrazine
Concen: 39.570 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:200 Resp: 347661

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	47.6	28.3	68.3

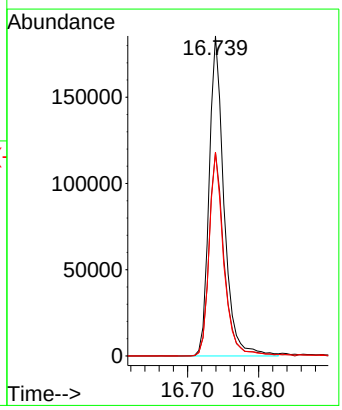


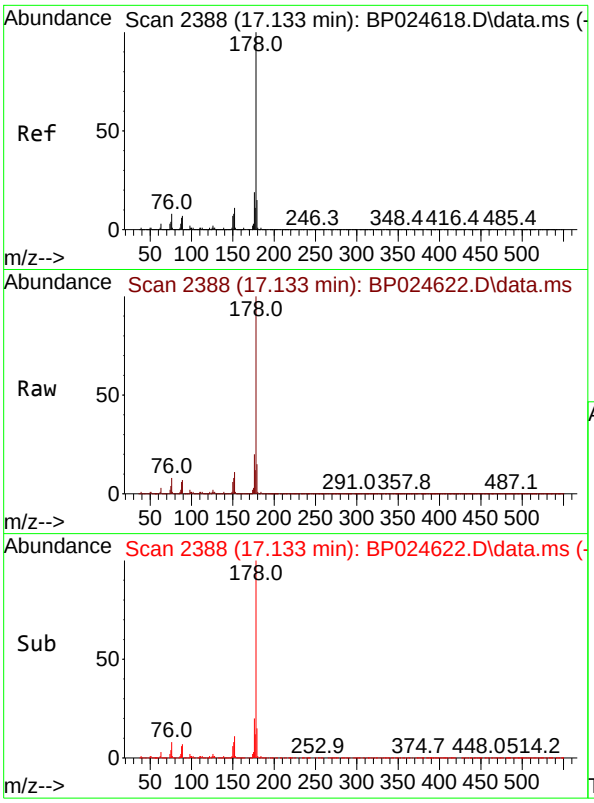


#70
Pentachlorophenol
Concen: 41.124 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:266 Resp: 269781

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.2	78.4
264	63.6	51.1	76.7



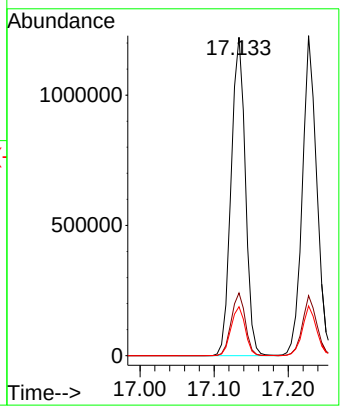


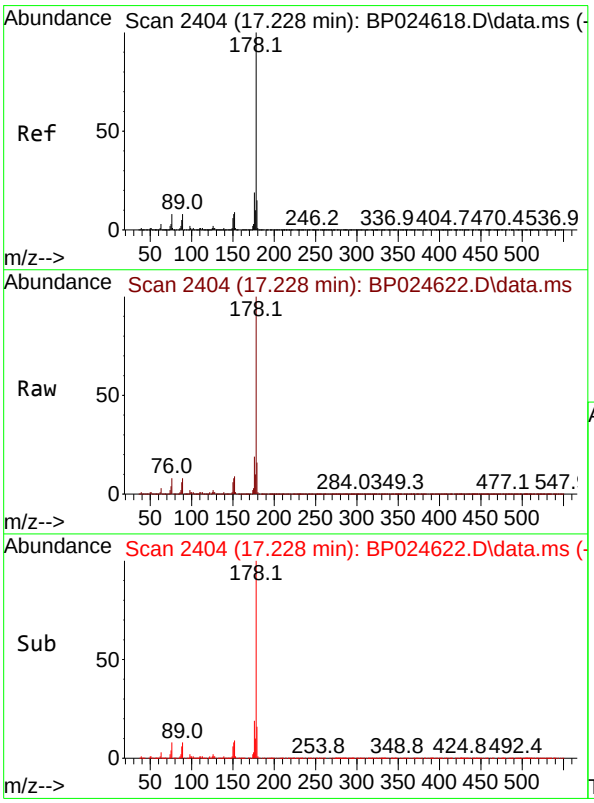
#71
Phenanthrene
Concen: 37.546 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:178 Resp: 1629118

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.2	18.4

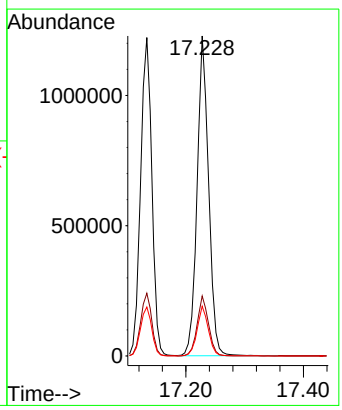


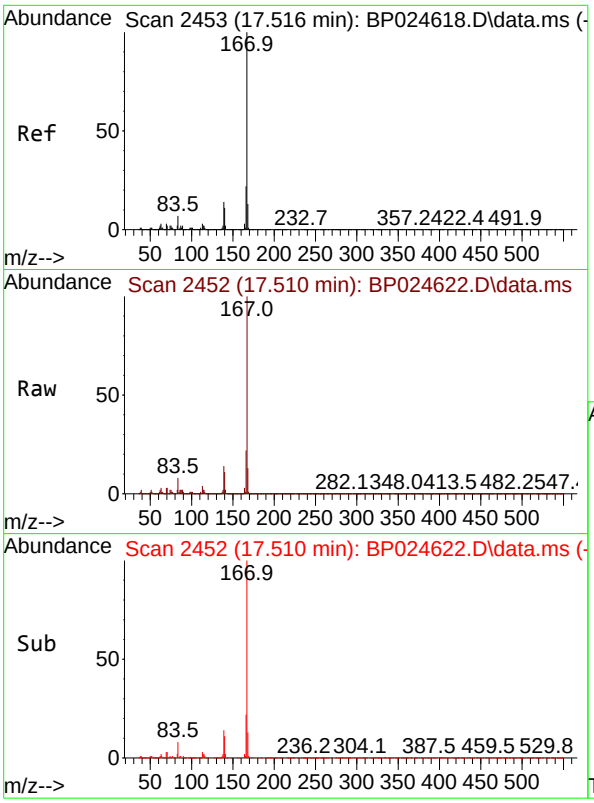


#72
Anthracene
Concen: 38.241 ng
RT: 17.228 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 1669395

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.2



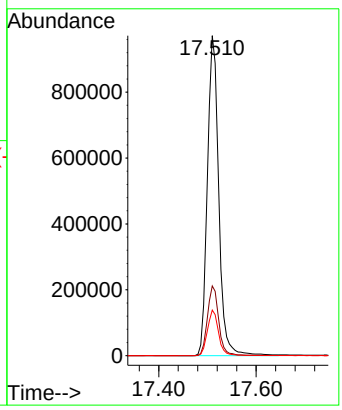


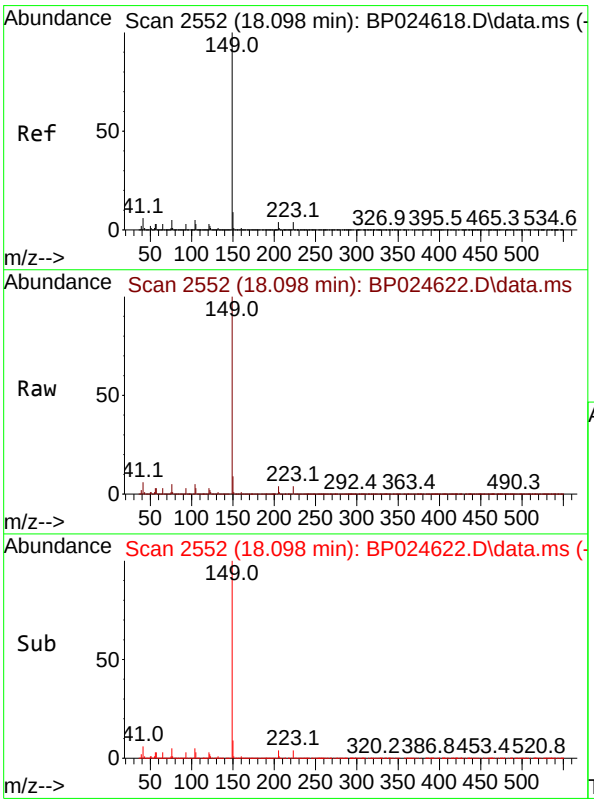
#73
Carbazole
Concen: 39.575 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:167 Resp: 1563685

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.2	11.3	16.9

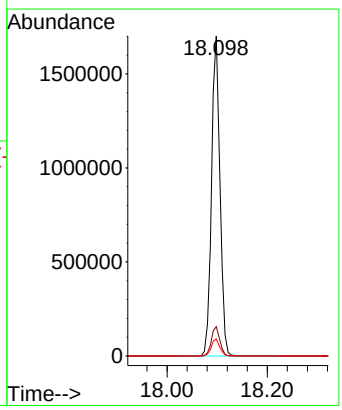


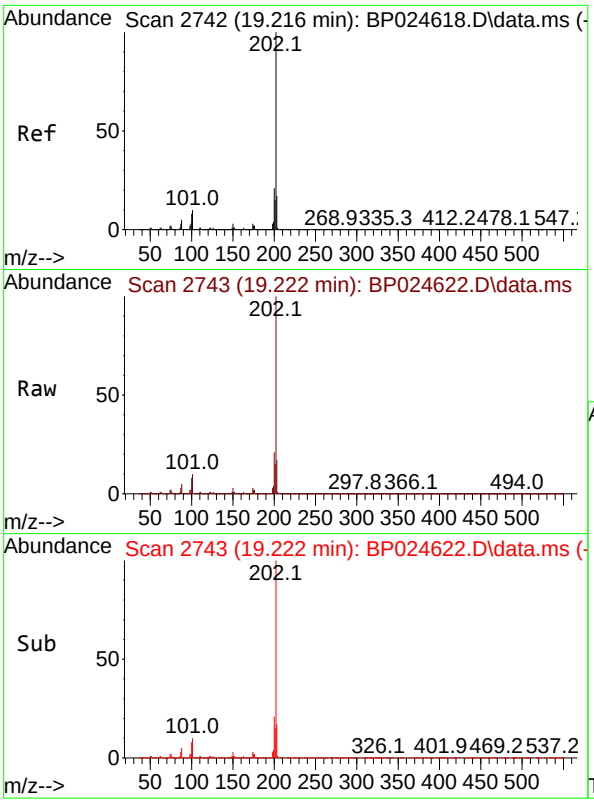


#74
Di-n-butylphthalate
Concen: 38.939 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1978741

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.4	4.3	6.5



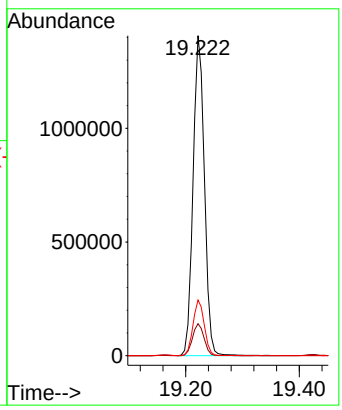


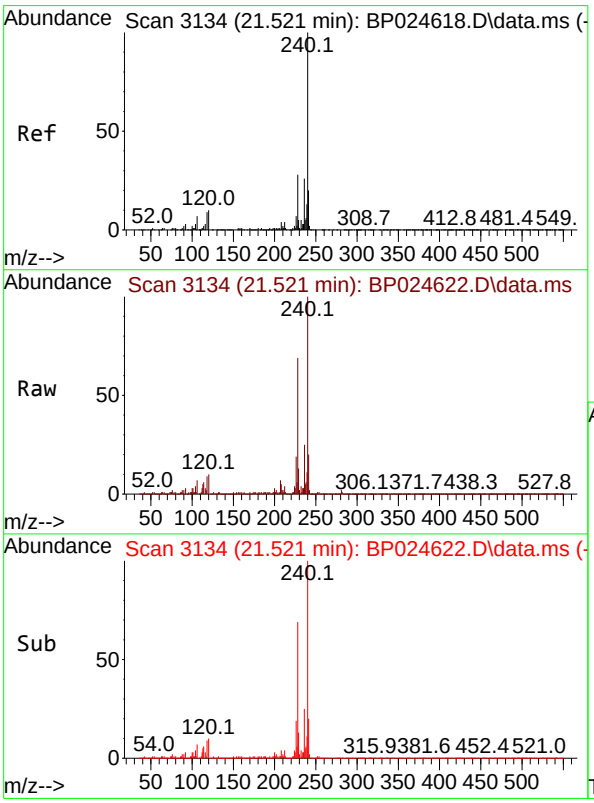
#75
Fluoranthene
Concen: 38.566 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:202 Resp: 1956043

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
203	17.4	0.0	37.5

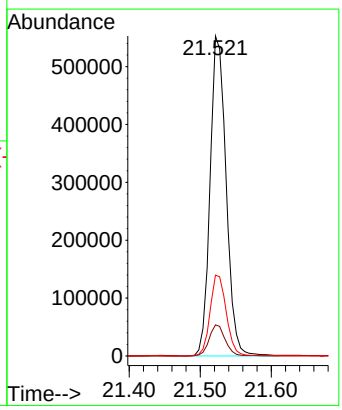


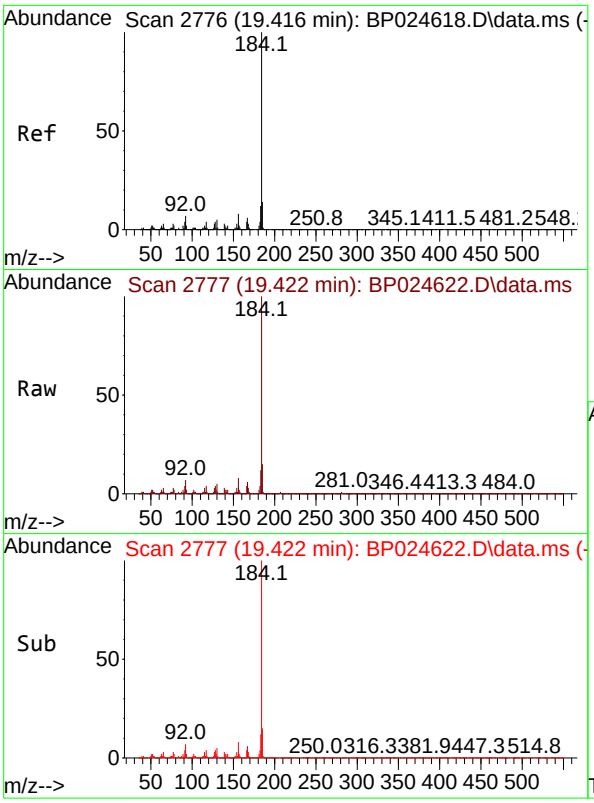


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:240 Resp: 868822

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.2	20.6	31.0



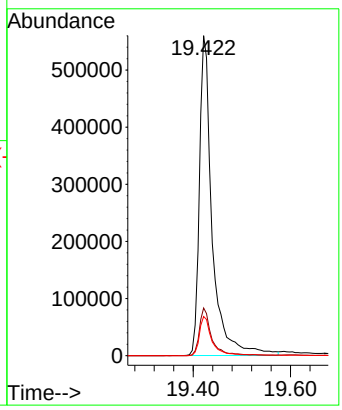


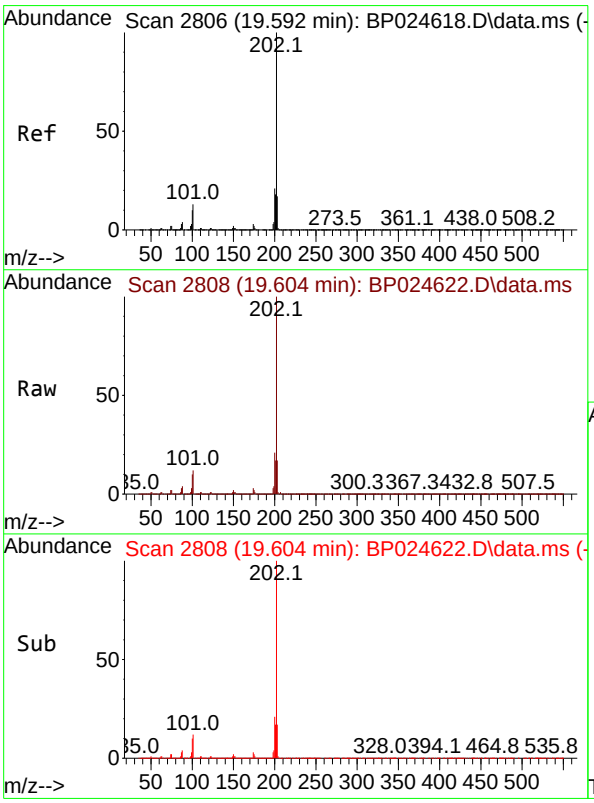
#77
Benzidine
Concen: 43.253 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:184 Resp: 1023514

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.2	16.8
183	12.3	9.8	14.8

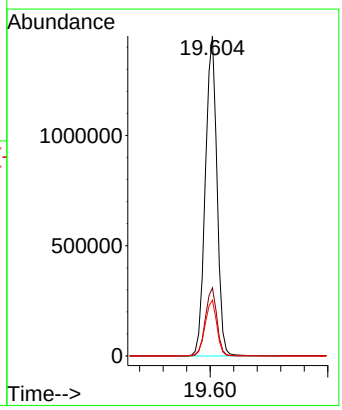


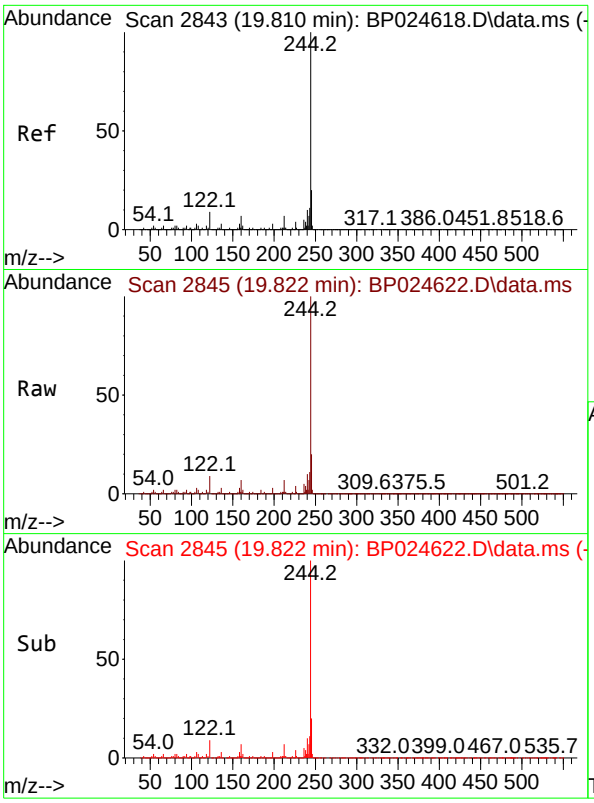


#78
Pyrene
Concen: 38.281 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 1992845

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	17.5	13.9	20.9



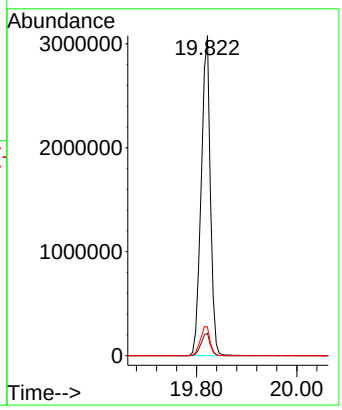


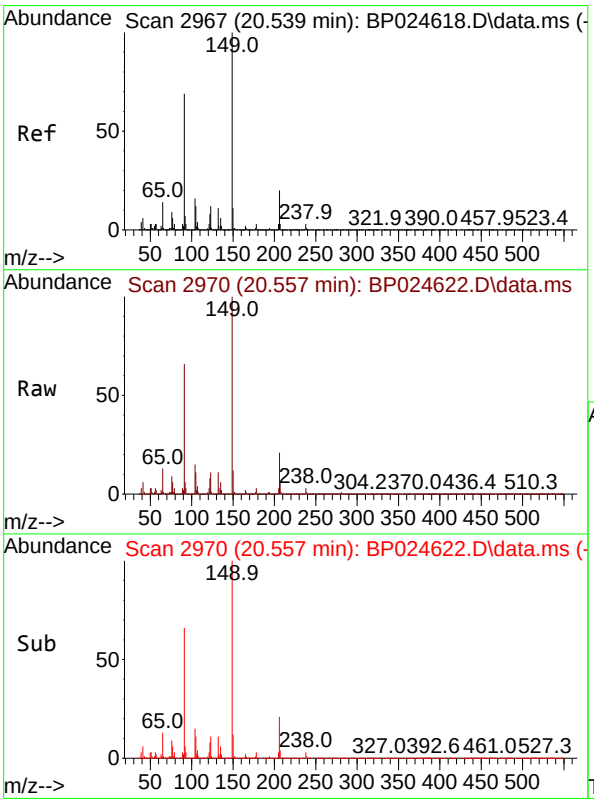
#79
Terphenyl-d14
Concen: 76.753 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:244 Resp: 3889002

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.0	7.4	11.0

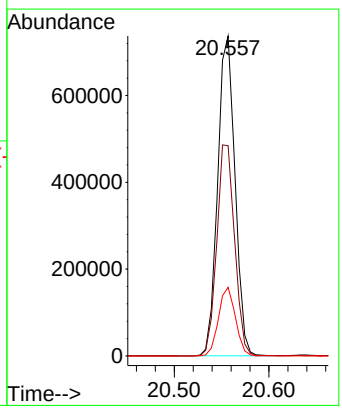


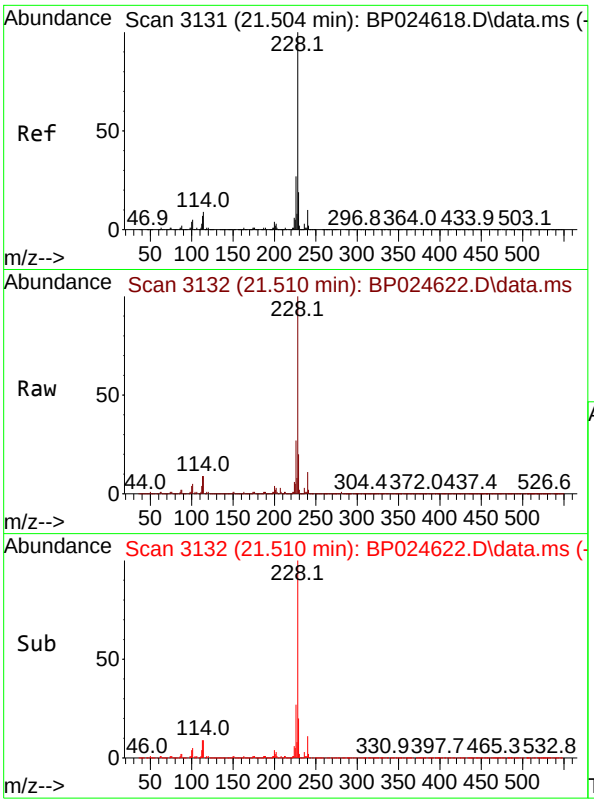


#80
Butylbenzylphthalate
Concen: 40.523 ng
RT: 20.557 min Scan# 2970
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 938210

Ion	Ratio	Lower	Upper
149	100		
91	65.7	55.4	83.0
206	21.5	16.2	24.2



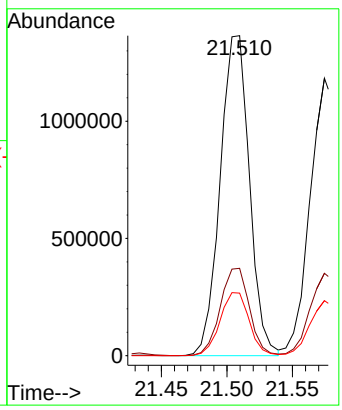


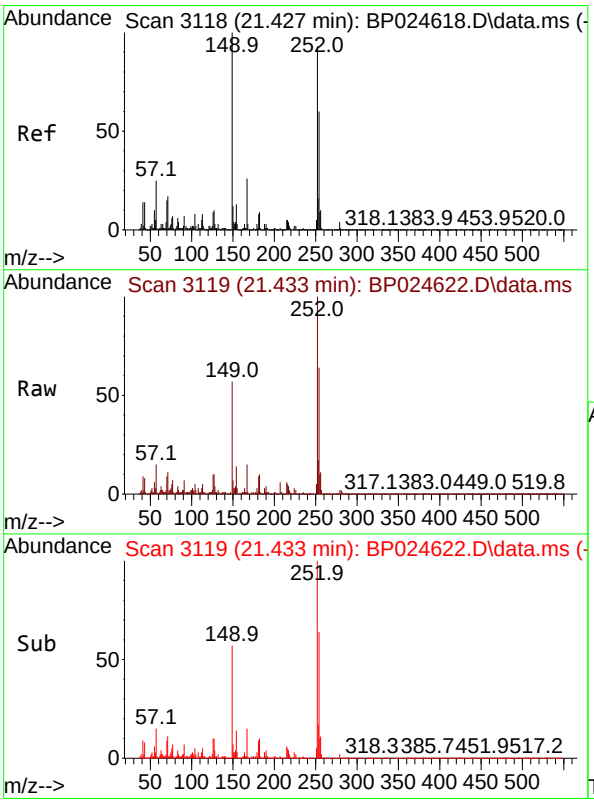
#81
Benzo(a)anthracene
Concen: 38.889 ng
RT: 21.510 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:228 Resp: 2121561

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.0
229	19.6	15.5	23.3

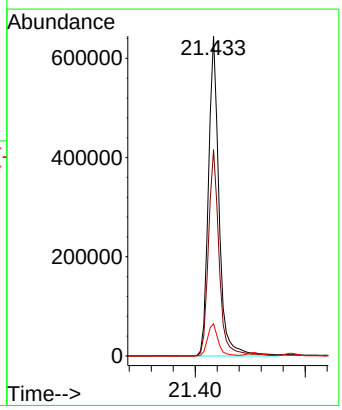


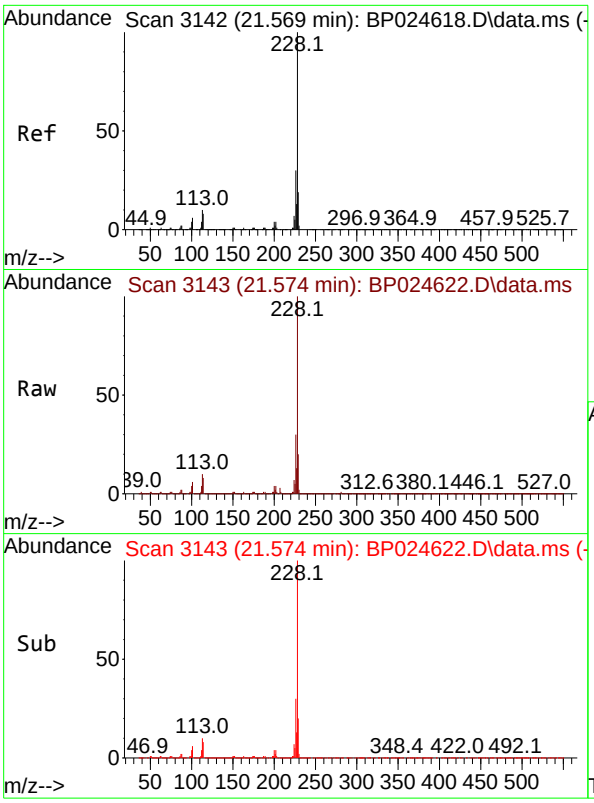


#82
3,3'-Dichlorobenzidine
Concen: 42.508 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 861323

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	10.1	7.7	11.5



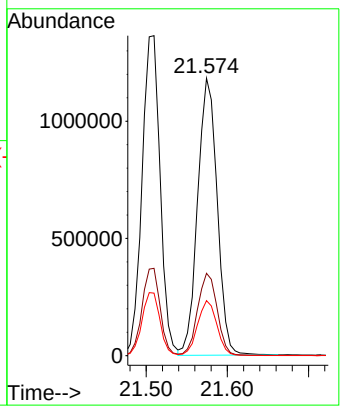


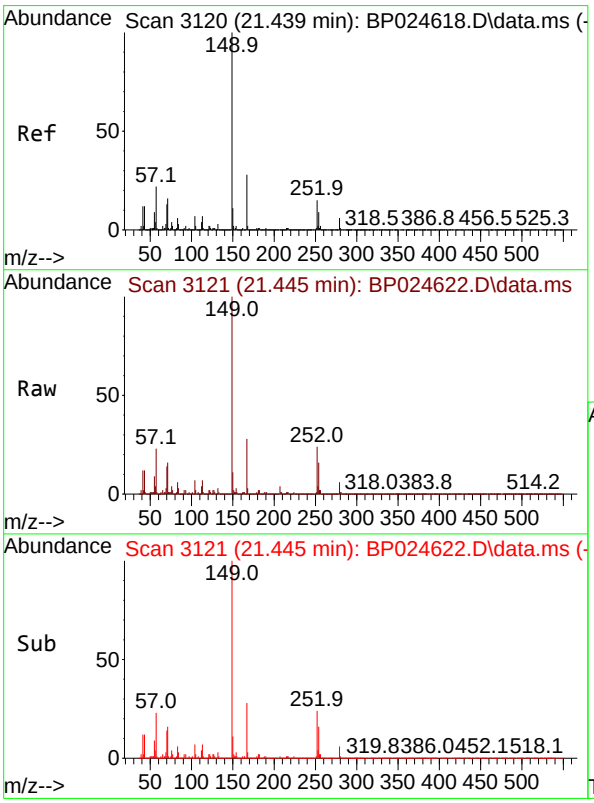
#83
Chrysene
Concen: 38.227 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:228 Resp: 1976940

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.5	23.3

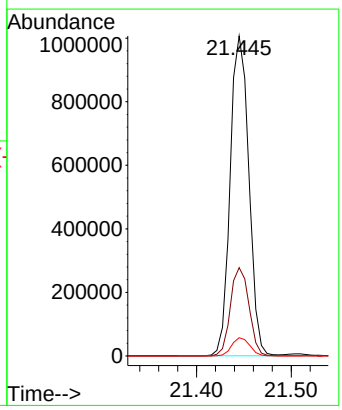


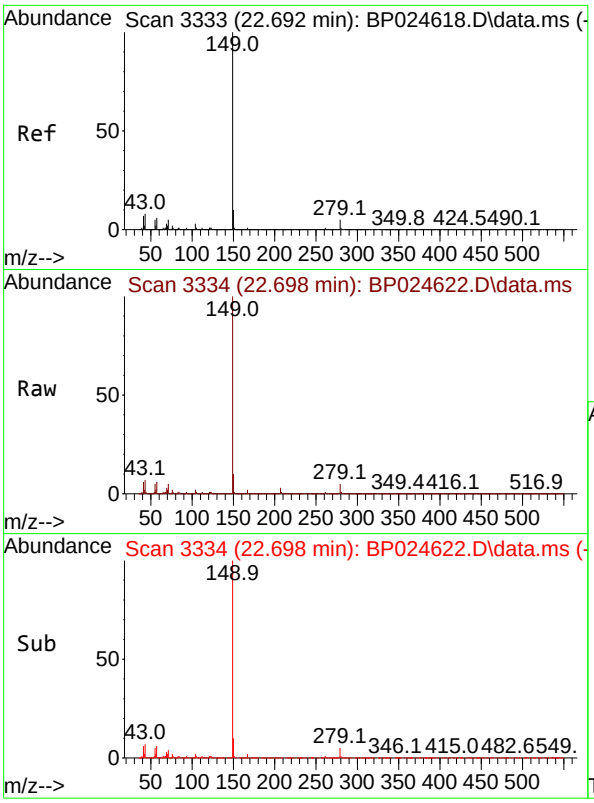


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.433 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1375919

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	5.7	4.6	6.8



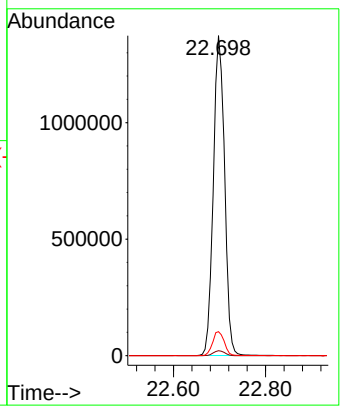


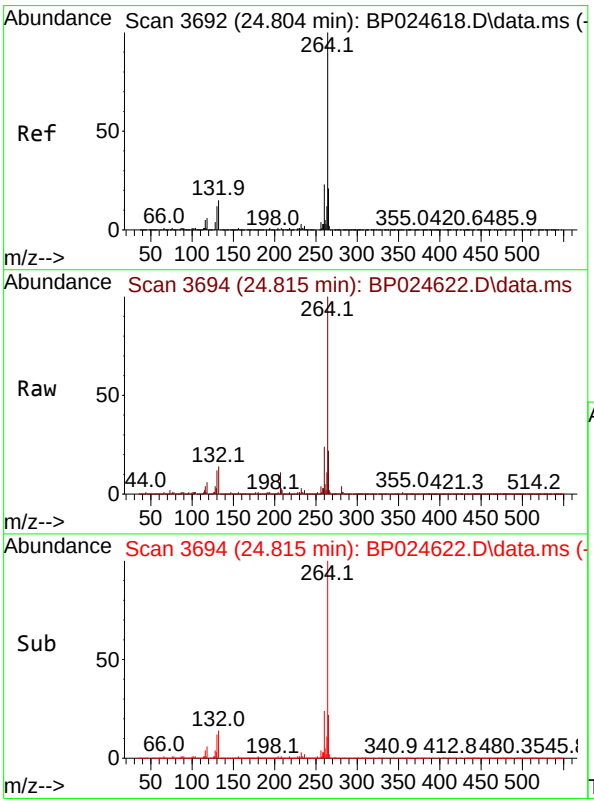
#85
Di-n-octyl phthalate
Concen: 41.721 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:149 Resp: 2321673

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.8	6.3	9.5

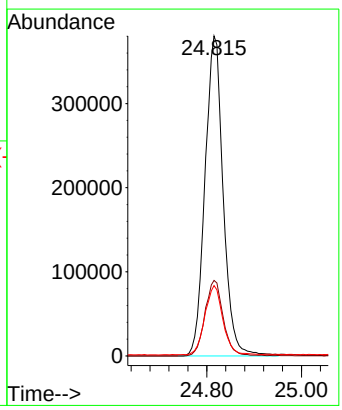


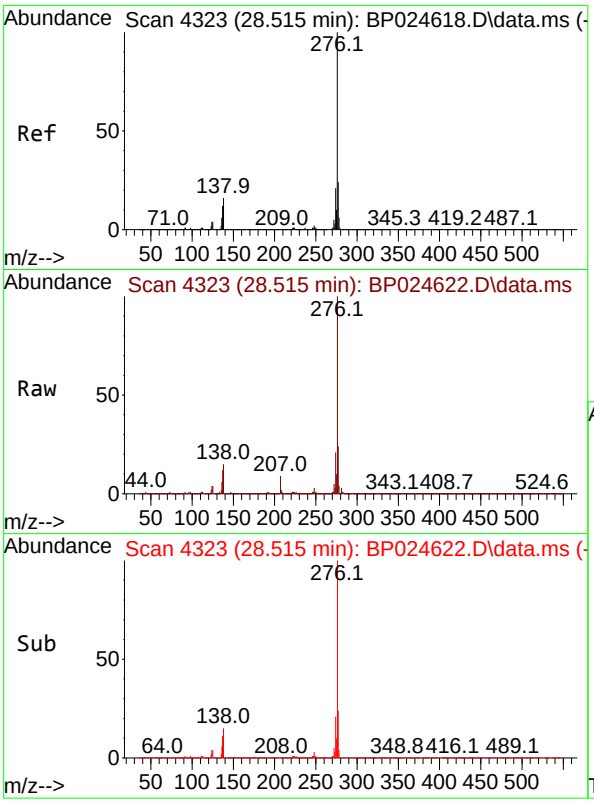


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:264 Resp: 1015341

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.0	17.0	25.6



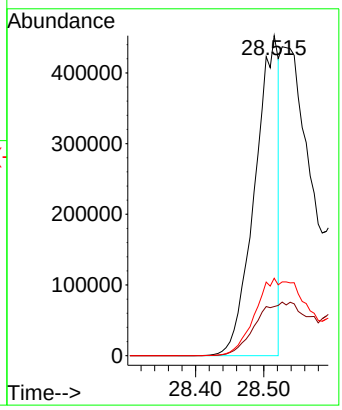


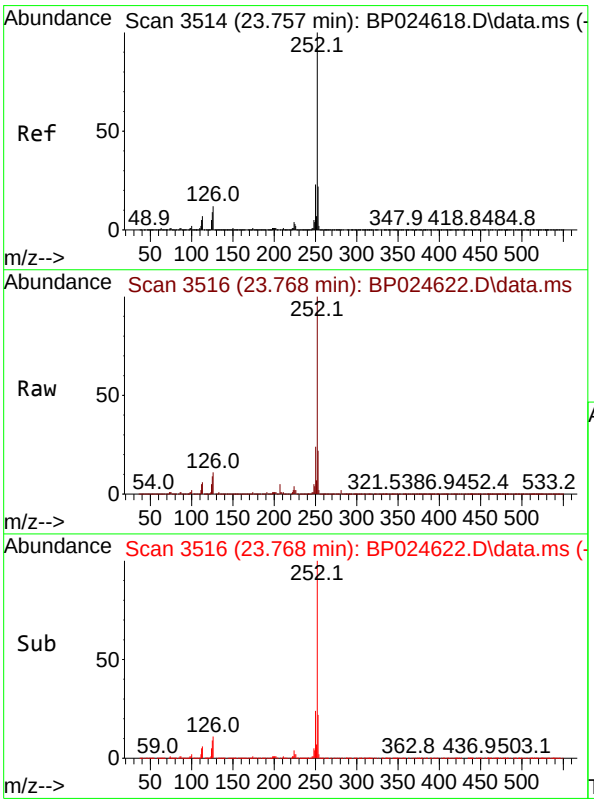
#87
Indeno(1,2,3-cd)pyrene
Concen: 14.798 ng
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:276 Resp: 1096892

Ion	Ratio	Lower	Upper
276	100		
138	37.4	11.2	16.8#
277	27.8	15.7	23.5#

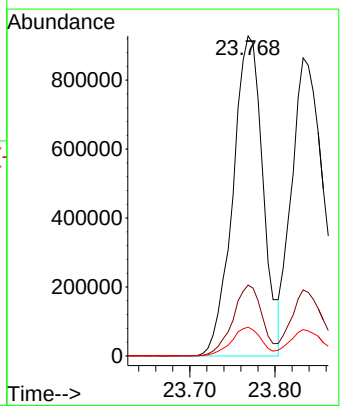


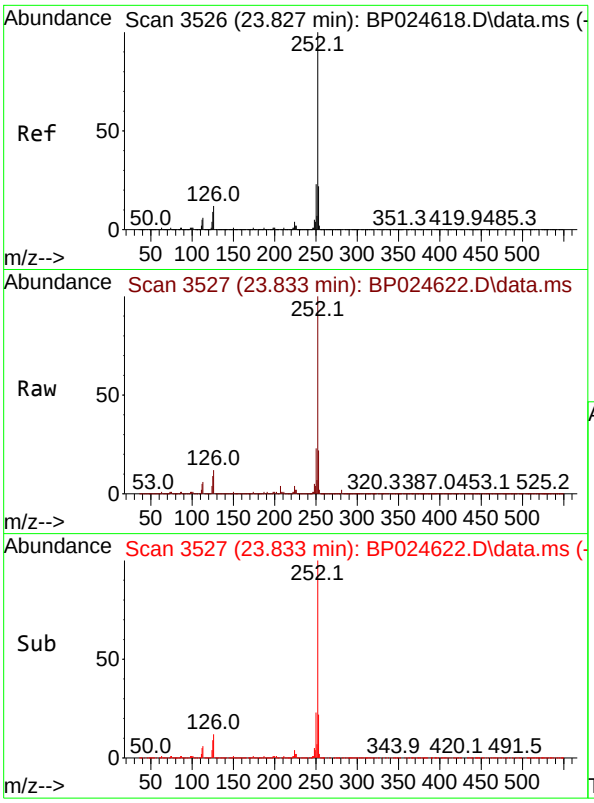


#88
Benzo(b)fluoranthene
Concen: 39.289 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2283322

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.5	11.3



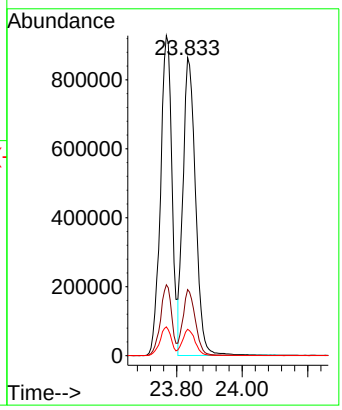


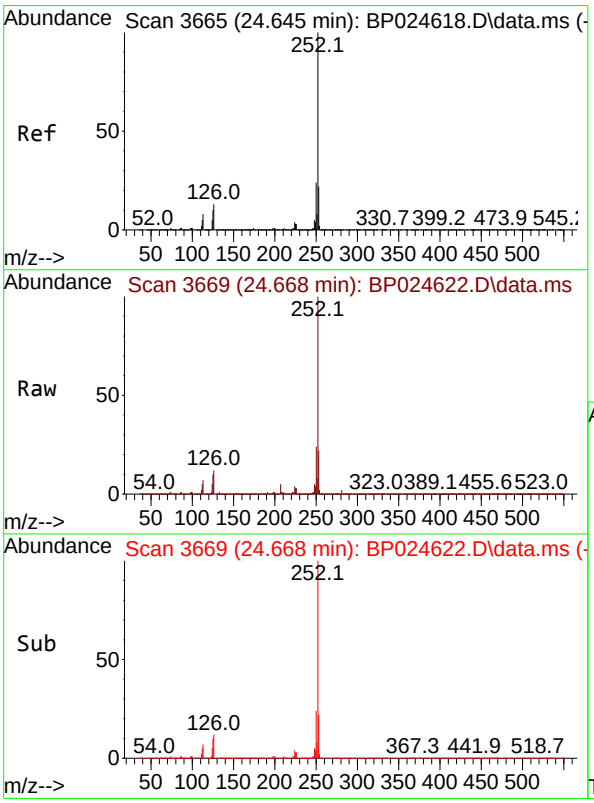
#89
Benzo(k)fluoranthene
Concen: 38.223 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:252 Resp: 2289000

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.9	7.0	10.4

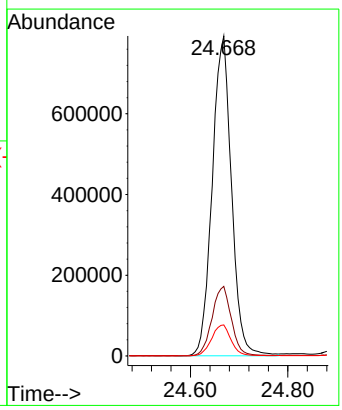


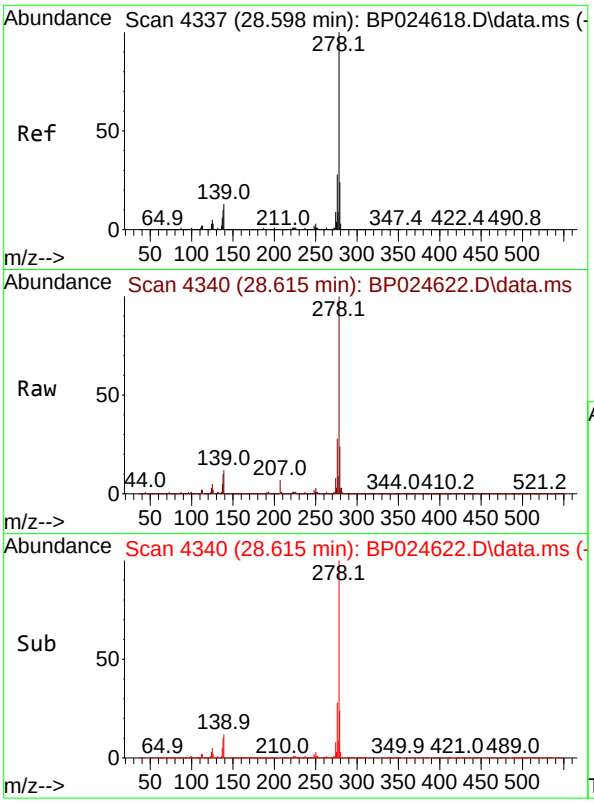


#90
Benzo(a)pyrene
Concen: 39.004 ng
RT: 24.668 min Scan# 3669
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2177020

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.7	8.1	12.1



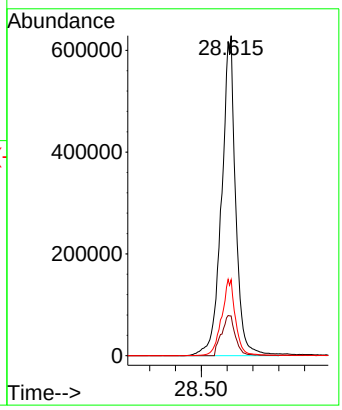


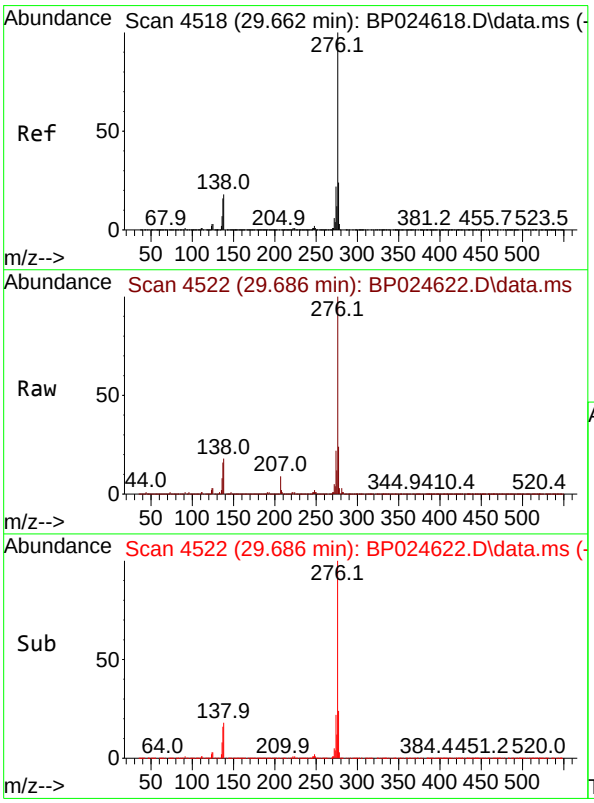
#91
Dibenzo(a,h)anthracene
Concen: 39.377 ng
RT: 28.615 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Tgt Ion:278 Resp: 2374558

Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.2	15.4
279	23.8	19.0	28.4

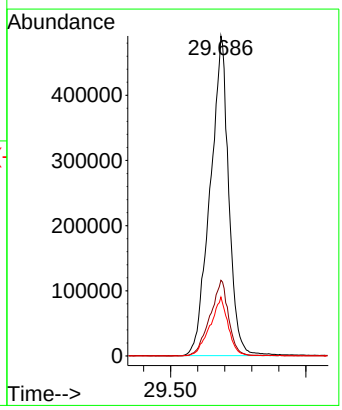




#92
Benzo(g,h,i)perylene
Concen: 38.906 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 2333151

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	18.4	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.658	152	139801	20.000	ng		0.00
21) Naphthalene-d8	10.422	136	538123	20.000	ng		-0.01
39) Acenaphthene-d10	14.287	164	329718	20.000	ng		-0.02
64) Phenanthrene-d10	17.081	188	642991	20.000	ng		-0.02
76) Chrysene-d12	21.516	240	741643	20.000	ng		0.00
86) Perylene-d12	24.792	264	838594	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	1043511	127.666	ng		0.00
7) Phenol-d6	6.863	99	1253204	120.132	ng		0.01
23) Nitrobenzene-d5	8.805	82	807485	75.818	ng		0.00
42) 2,4,6-Tribromophenol	15.804	330	816620	146.094	ng		0.00
45) 2-Fluorobiphenyl	12.893	172	1964889	78.074	ng		-0.01
79) Terphenyl-d14	19.804	244	3433913	79.393	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	120709	31.450	ng		95
3) Pyridine	3.617	79	287355	33.764	ng		95
4) n-Nitrosodimethylamine	3.528	42	150262	39.993	ng		88
6) Aniline	6.999	93	471275	34.991	ng		100
8) 2-Chlorophenol	7.234	128	406514	43.810	ng		98
9) Benzaldehyde	6.811	77	225153	33.341	ng		98
10) Phenol	6.887	94	449144	41.715	ng		96
11) bis(2-Chloroethyl)ether	7.087	93	343898	38.871	ng		100
12) 1,3-Dichlorobenzene	7.546	146	445502	41.731	ng		99
13) 1,4-Dichlorobenzene	7.693	146	456307	42.498	ng		99
14) 1,2-Dichlorobenzene	8.005	146	419608	40.106	ng		99
15) Benzyl Alcohol	7.905	79	327937	41.367	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.175	45	375945	35.482	ng		98
17) 2-Methylphenol	8.116	107	314693	40.750	ng		97
18) Hexachloroethane	8.716	117	162657	39.533	ng		98
19) n-Nitroso-di-n-propyla...	8.457	70	251492	34.851	ng		95
20) 3+4-Methylphenols	8.446	107	425353	40.492	ng		96
22) Acetophenone	8.469	105	559135	41.596	ng	#	98
24) Nitrobenzene	8.846	77	395885	42.239	ng		96
25) Isophorone	9.363	82	697164	37.737	ng		99
26) 2-Nitrophenol	9.552	139	219271	47.744	ng		98
27) 2,4-Dimethylphenol	9.622	122	372381	45.988	ng		99
28) bis(2-Chloroethoxy)met...	9.846	93	438080	39.691	ng		99
29) 2,4-Dichlorophenol	10.099	162	370553	47.224	ng		96
30) 1,2,4-Trichlorobenzene	10.287	180	392603	44.400	ng		97
31) Naphthalene	10.475	128	1185760	42.522	ng		100
32) Benzoic acid	9.810	122	228390	41.680	ng		97
33) 4-Chloroaniline	10.593	127	393001	34.925	ng		99
34) Hexachlorobutadiene	10.752	225	262558	45.836	ng		98
35) Caprolactam	11.399	113	122940	43.305	ng		99
36) 4-Chloro-3-methylphenol	11.740	107	409493	42.794	ng		98
37) 2-Methylnaphthalene	12.087	142	755884	41.862	ng		99
38) 1-Methylnaphthalene	12.310	142	792211	41.005	ng		99
40) 1,2,4,5-Tetrachloroben...	12.457	216	450159	47.016	ng		99
41) Hexachlorocyclopentadiene	12.434	237	578889	99.710	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	308678	49.774	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	333877	48.366	ng	96
46) 1,1'-Biphenyl	13.104	154	1119732	45.948	ng	99
47) 2-Chloronaphthalene	13.145	162	857654	46.157	ng	98
48) 2-Nitroaniline	13.369	65	247888	45.061	ng	96
49) Acenaphthylene	14.004	152	1357825	43.666	ng	100
50) Dimethylphthalate	13.745	163	1126770	44.835	ng	100
51) 2,6-Dinitrotoluene	13.863	165	242858	45.757	ng	96
52) Acenaphthene	14.351	154	795831	44.519	ng	99
53) 3-Nitroaniline	14.204	138	200980	37.085	ng	98
54) 2,4-Dinitrophenol	14.422	184	292154	86.708	ng	96
55) Dibenzofuran	14.692	168	1245387	43.677	ng	98
56) 4-Nitrophenol	14.563	139	367273	78.370	ng	96
57) 2,4-Dinitrotoluene	14.669	165	343419	45.895	ng	97
58) Fluorene	15.345	166	1060372	45.608	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	307270	47.983	ng	97
60) Diethylphthalate	15.122	149	1120632	44.119	ng	99
61) 4-Chlorophenyl-phenyle...	15.339	204	526856	45.439	ng	98
62) 4-Nitroaniline	15.387	138	228988	43.760	ng	99
63) Azobenzene	15.639	77	928905	42.749	ng	96
65) 4,6-Dinitro-2-methylph...	15.451	198	203628	49.028	ng	98
66) n-Nitrosodiphenylamine	15.563	169	938311	47.509	ng	99
67) 4-Bromophenyl-phenylether	16.251	248	363780	48.013	ng	98
68) Hexachlorobenzene	16.369	284	458184	47.591	ng	99
69) Atrazine	16.545	200	344306	47.570	ng	99
70) Pentachlorophenol	16.734	266	590870	109.332	ng	99
71) Phenanthrene	17.128	178	1585722	44.362	ng	99
72) Anthracene	17.216	178	1687384	46.920	ng	100
73) Carbazole	17.504	167	1527551	46.929	ng	100
74) Di-n-butylphthalate	18.086	149	1942338	46.398	ng	100
75) Fluoranthene	19.210	202	1881199	45.023	ng	99
77) Benzidine	19.416	184	1184443	58.638	ng	100
78) Pyrene	19.586	202	1922595	43.265	ng	100
80) Butylbenzylphthalate	20.539	149	882879	44.673	ng	92
81) Benzo(a)anthracene	21.498	228	2082335	44.715	ng	100
82) 3,3'-Dichlorobenzidine	21.422	252	713621	41.258	ng	99
83) Chrysene	21.563	228	1974706	44.732	ng	99
84) Bis(2-ethylhexyl)phtha...	21.427	149	1370288	47.173	ng	100
85) Di-n-octyl phthalate	22.680	149	2264072	47.662	ng	99
87) Indeno(1,2,3-cd)pyrene	28.527	276	2777529	45.368	ng	95
88) Benzo(b)fluoranthene	23.763	252	2257968	47.041	ng	99
89) Benzo(k)fluoranthene	23.821	252	2269488	45.885	ng	99
90) Benzo(a)pyrene	24.645	252	2138419	46.387	ng	99
91) Dibenzo(a,h)anthracene	28.592	278	2290677	45.992	ng	99
92) Benzo(g,h,i)perylene	29.680	276	2221548	44.853	ng	98

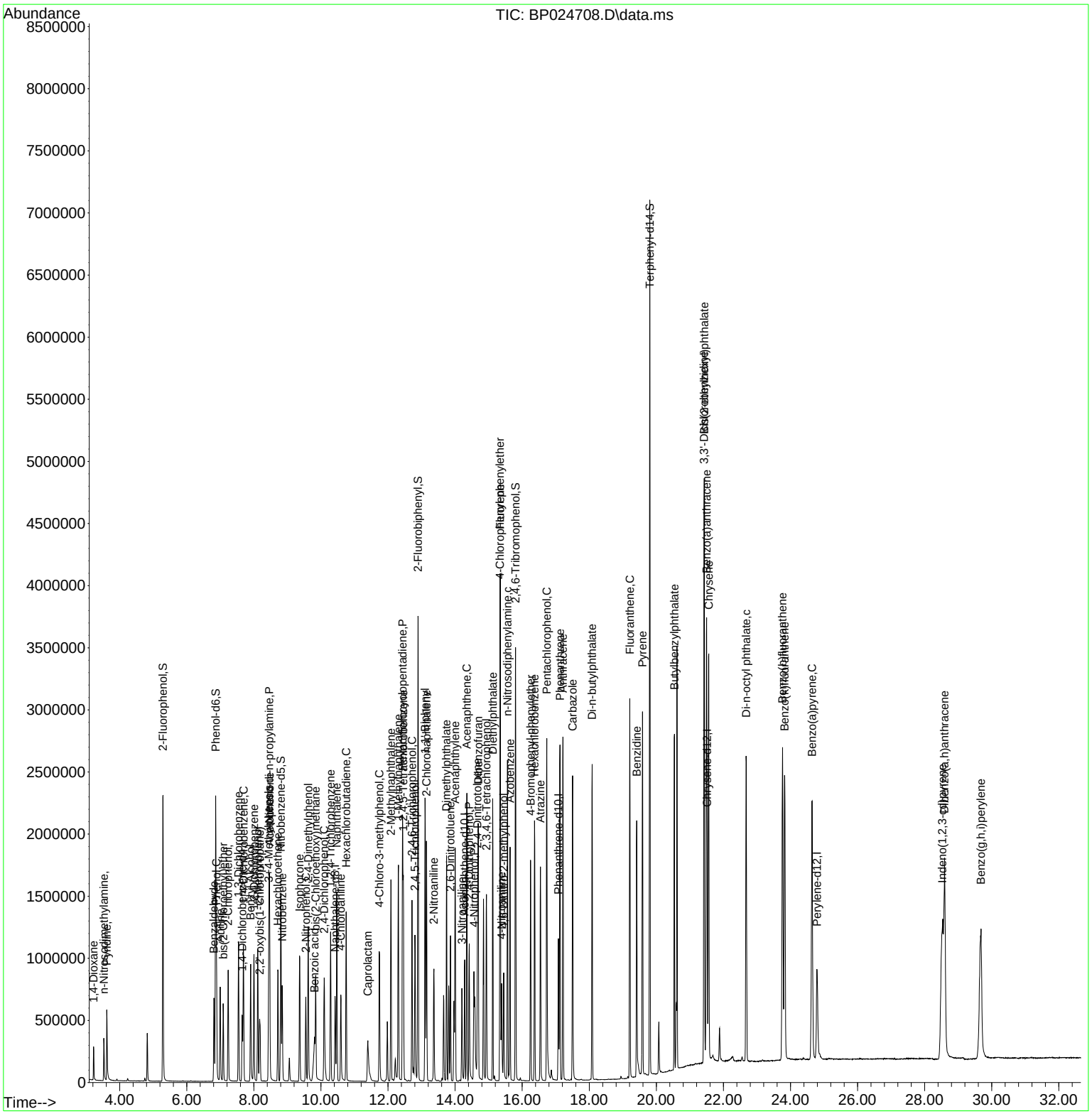
(#) = qualifier out of range (m) = manual integration (+) = signals summed

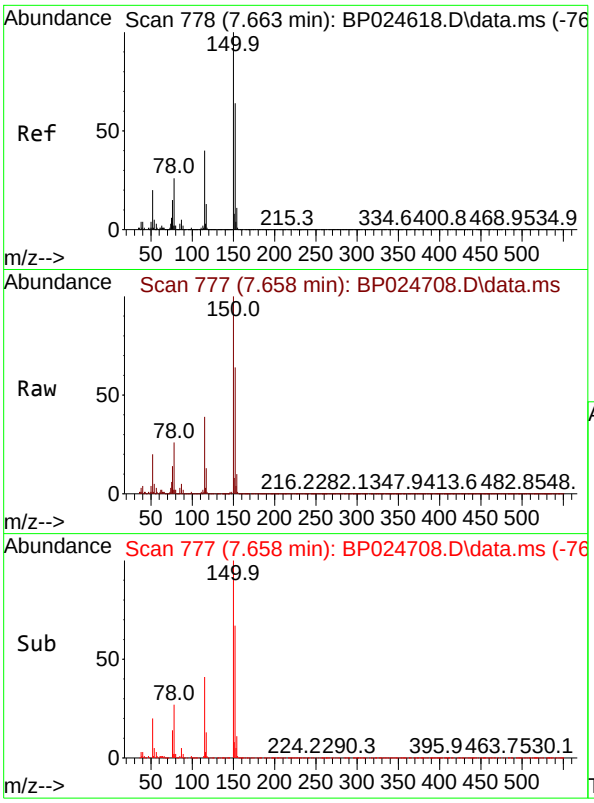
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



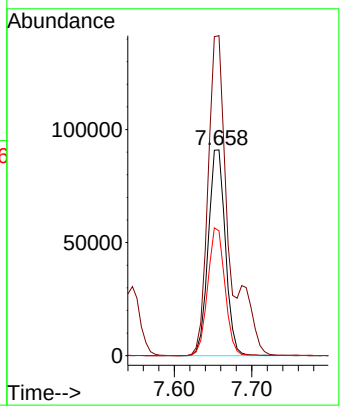


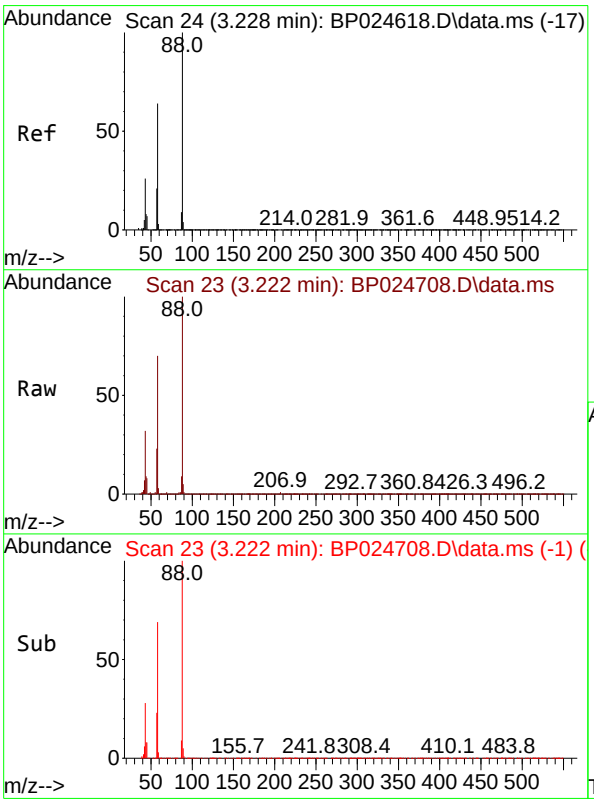
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:152 Resp: 139801

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	60.6	50.1	75.1

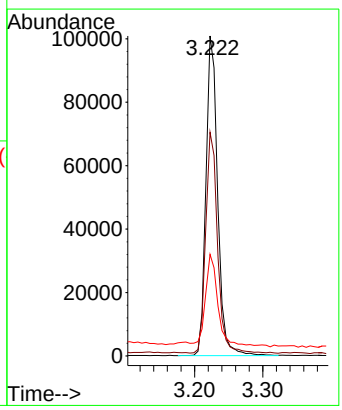


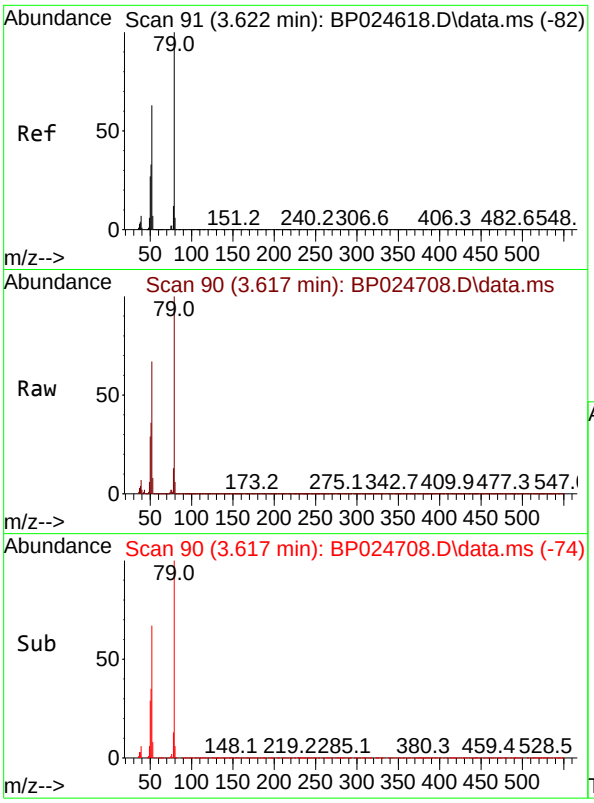


#2
1,4-Dioxane
Concen: 31.450 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 88 Resp: 120709

Ion	Ratio	Lower	Upper
88	100		
58	69.9	54.0	81.0
43	31.8	21.4	32.0



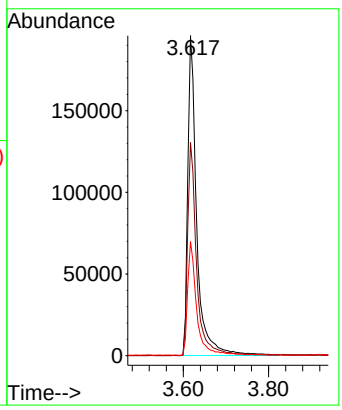


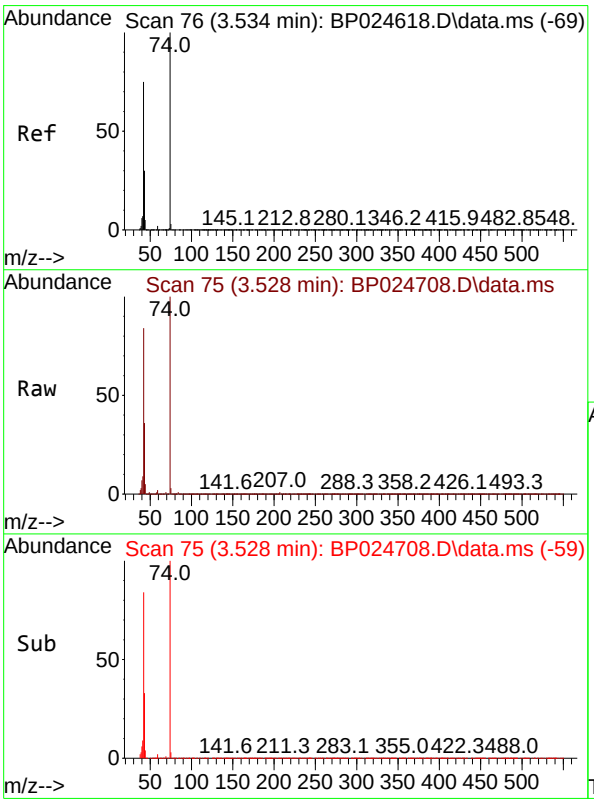
#3
Pyridine
Concen: 33.764 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 79 Resp: 287355

Ion	Ratio	Lower	Upper
79	100		
52	66.6	50.2	75.2
51	35.6	26.8	40.2

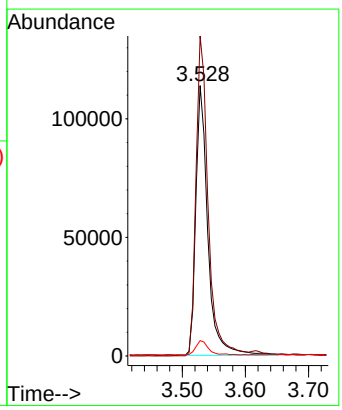


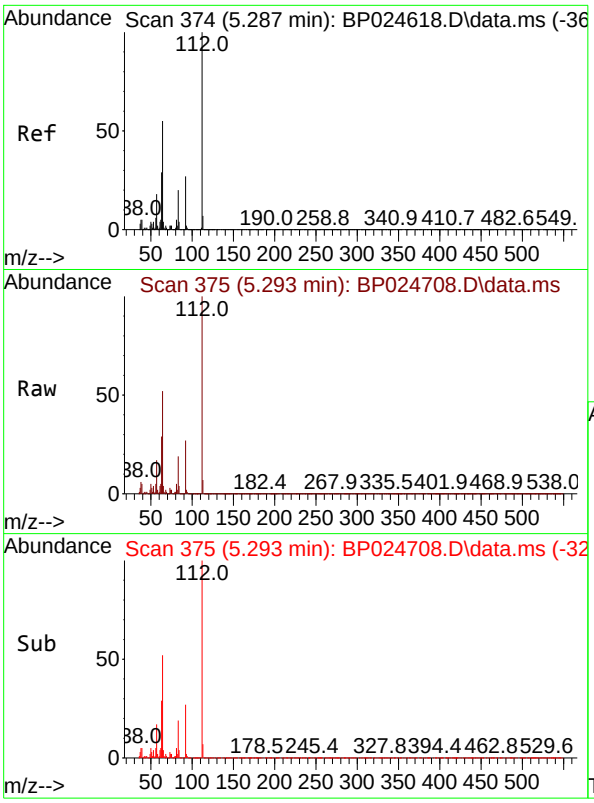


#4
n-Nitrosodimethylamine
Concen: 39.993 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 42 Resp: 150262

Ion	Ratio	Lower	Upper
42	100		
74	118.4	106.2	159.2
44	5.7	5.4	8.2



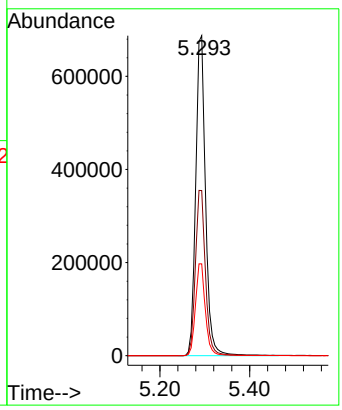


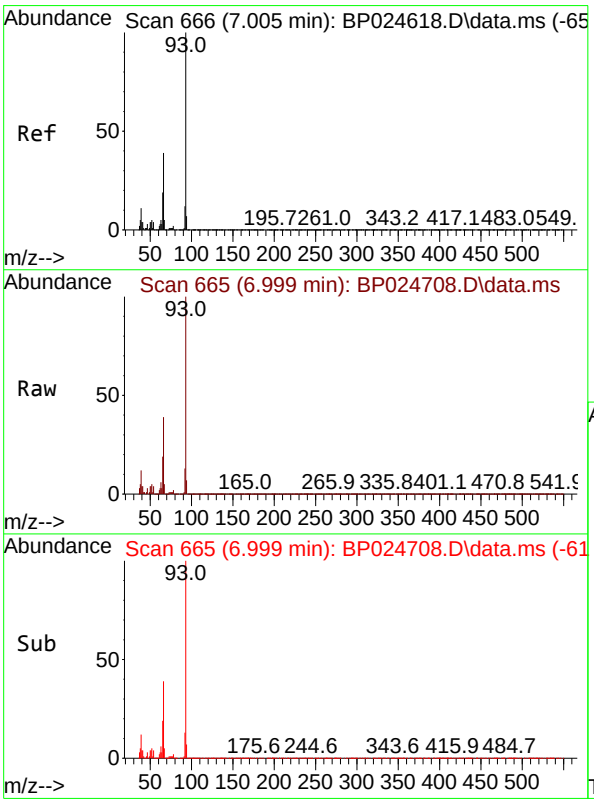
#5
2-Fluorophenol
Concen: 127.666 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:112 Resp: 1043511

Ion	Ratio	Lower	Upper
112	100		
64	51.6	44.1	66.1
63	28.7	23.5	35.3

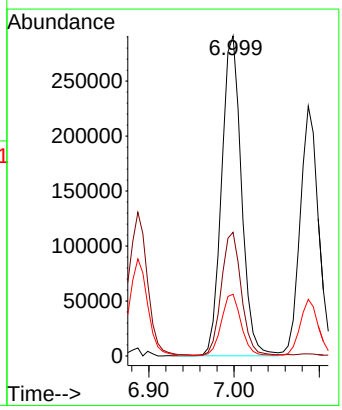


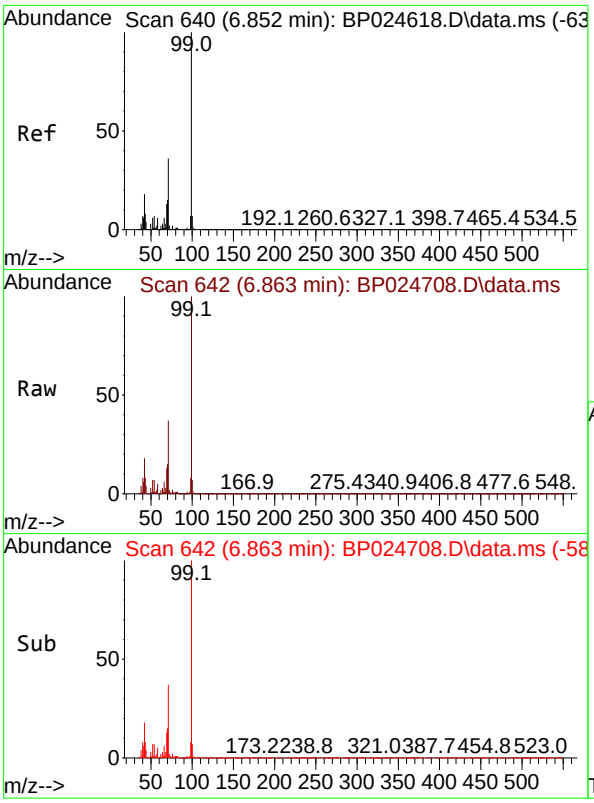


#6
Aniline
Concen: 34.991 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 471275

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.0	46.6
65	19.3	15.5	23.3



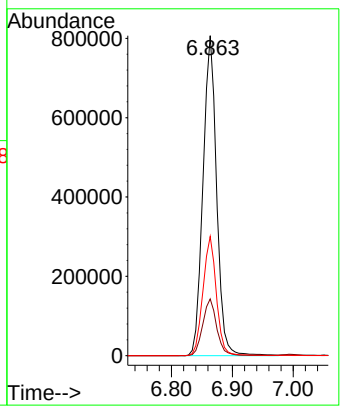


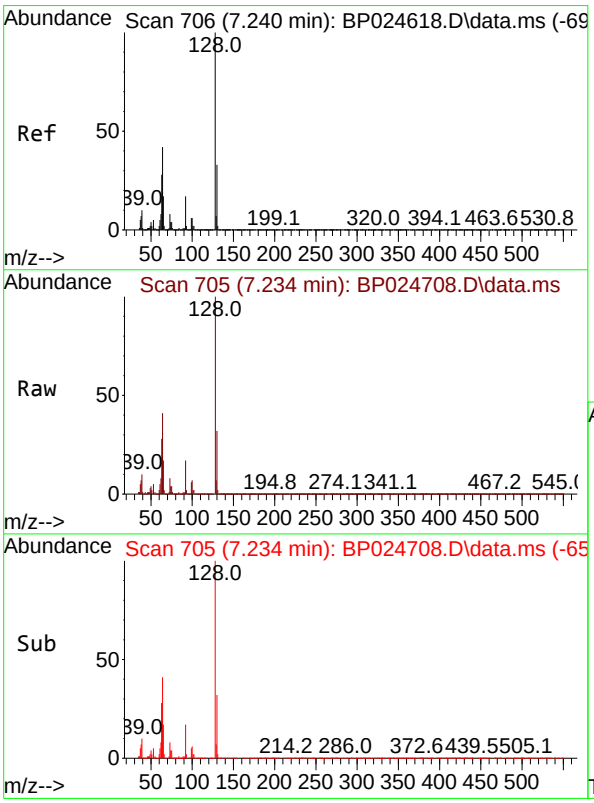
#7
Phenol-d6
Concen: 120.132 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 99 Resp: 1253204

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.4	21.6
71	37.3	29.2	43.8

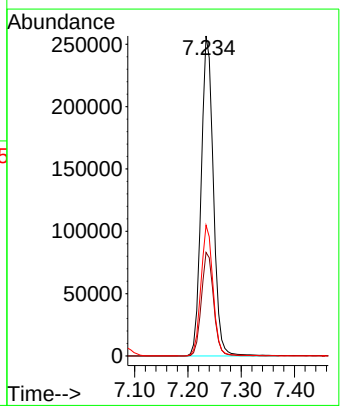


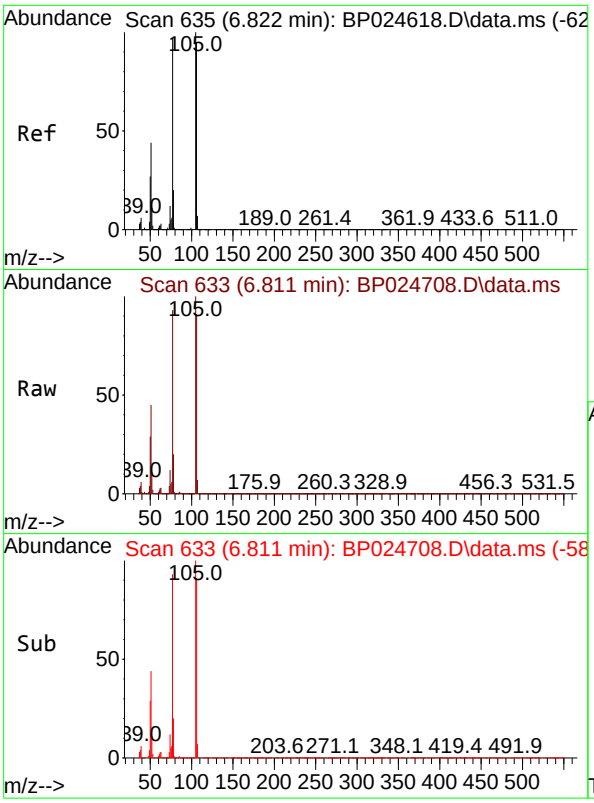


#8
2-Chlorophenol
Concen: 43.810 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 406514

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	40.9	22.3	62.3



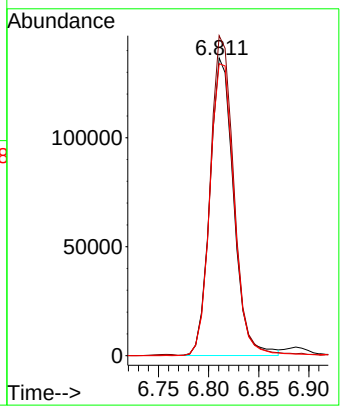


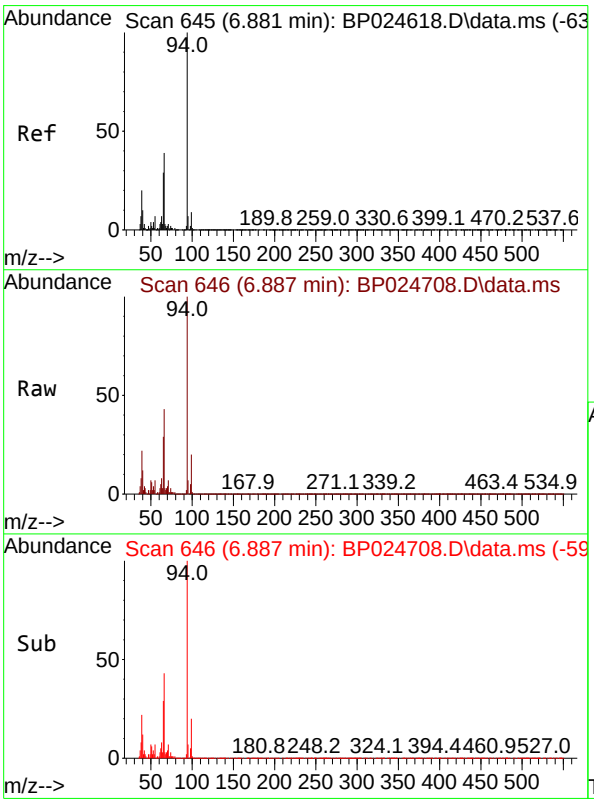
#9
Benzaldehyde
Concen: 33.341 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 77 Resp: 225153

Ion	Ratio	Lower	Upper
77	100		
105	107.4	83.3	123.3
106	98.0	78.0	118.0

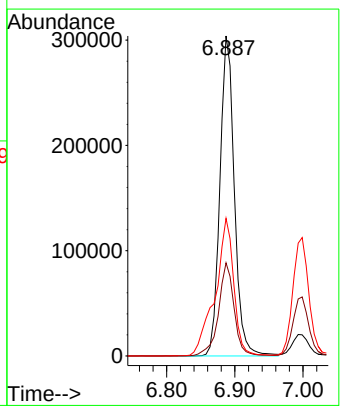


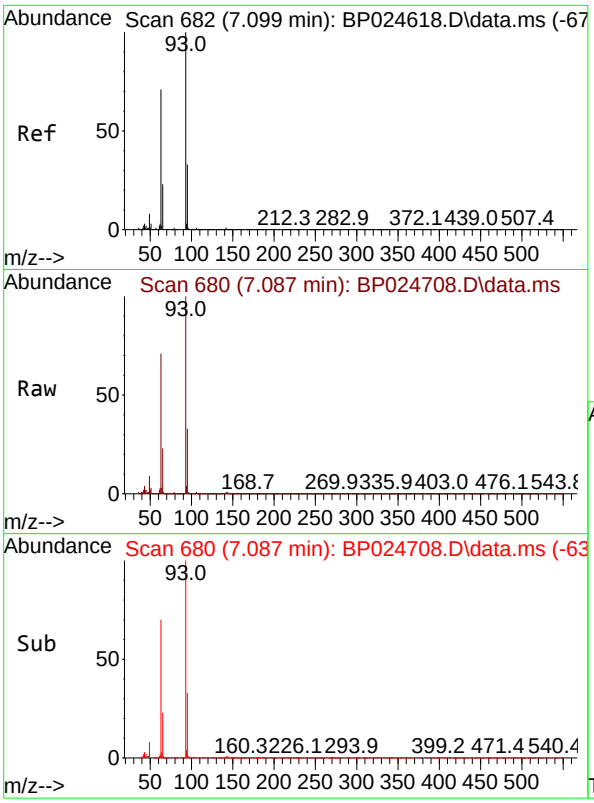


#10
Phenol
Concen: 41.715 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 94 Resp: 449144

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.7	48.7
66	43.0	19.4	59.4



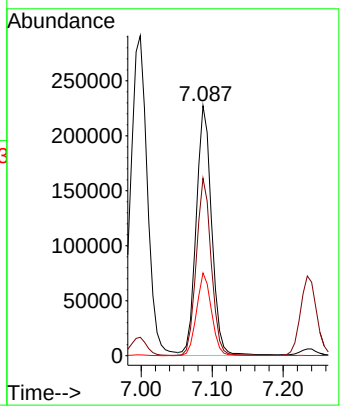


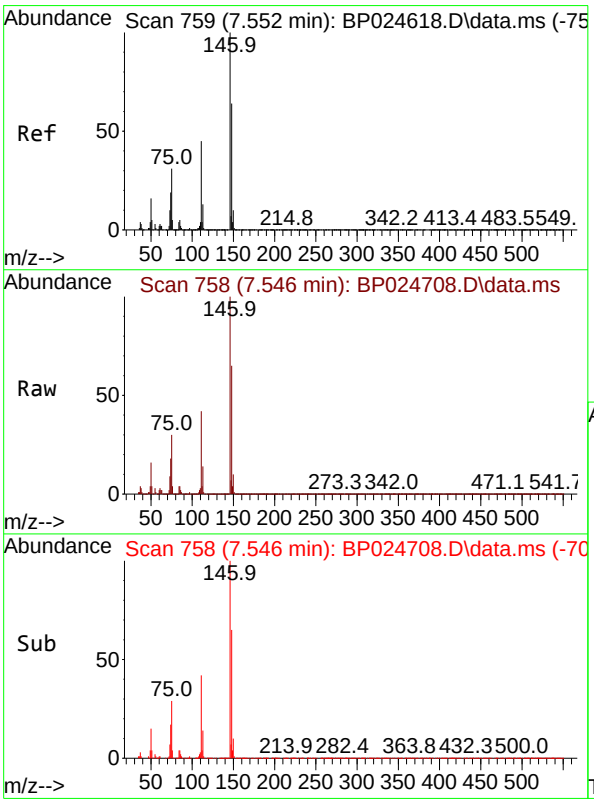
#11
bis(2-Chloroethyl)ether
Concen: 38.871 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 93 Resp: 343898

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.6	90.6
95	33.1	12.9	52.9

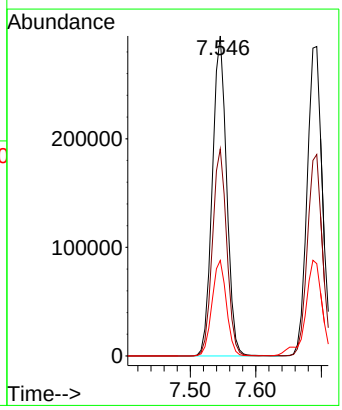


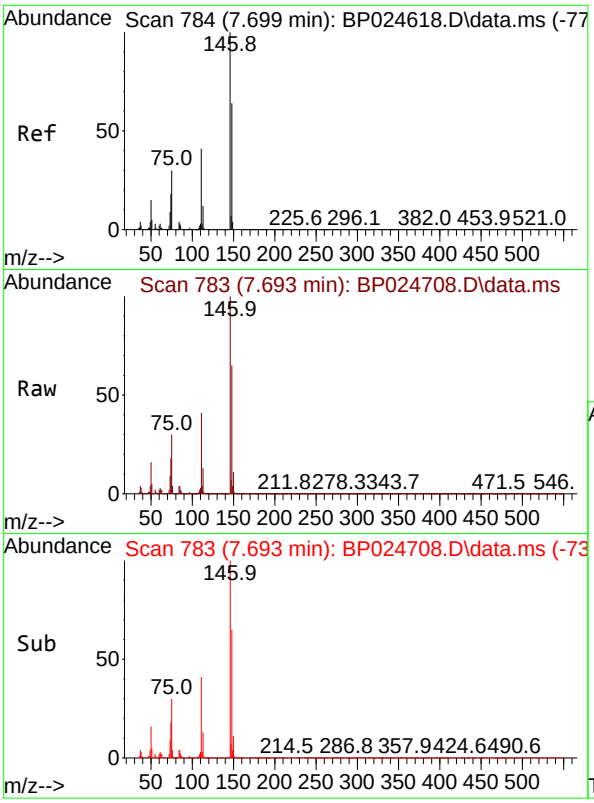


#12
1,3-Dichlorobenzene
Concen: 41.731 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 445502

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
75	29.8	25.2	37.8



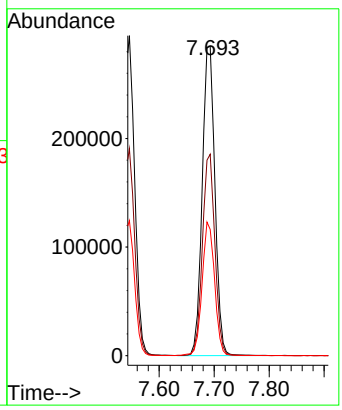


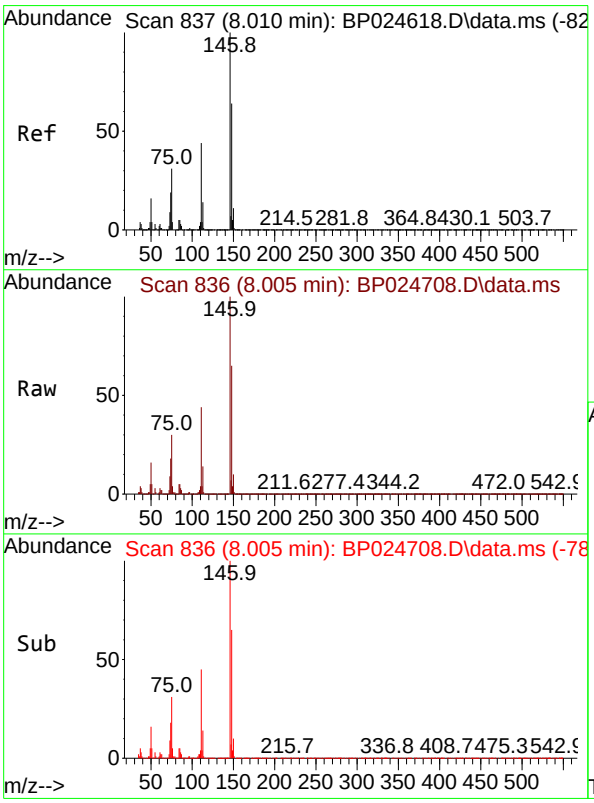
#13
1,4-Dichlorobenzene
Concen: 42.498 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:146 Resp: 456307

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.6
111	40.8	33.0	49.6

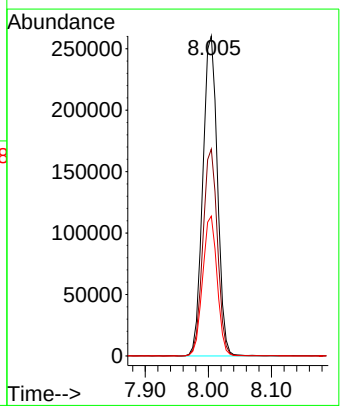


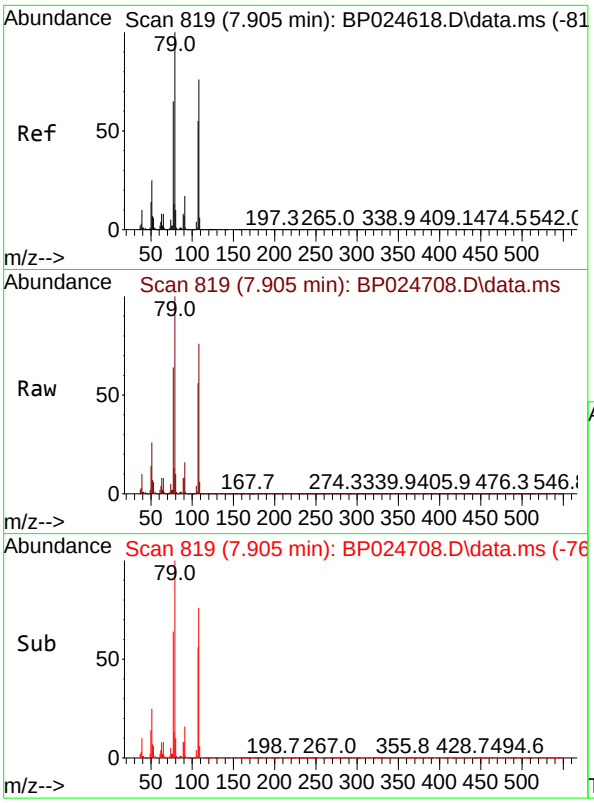


#14
1,2-Dichlorobenzene
Concen: 40.106 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 419608

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
111	43.7	35.2	52.8



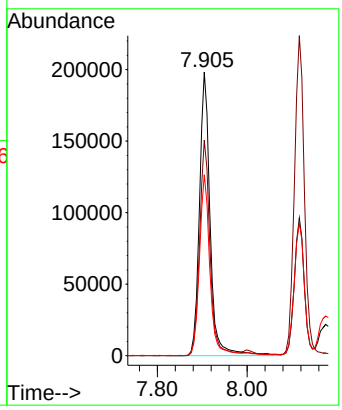


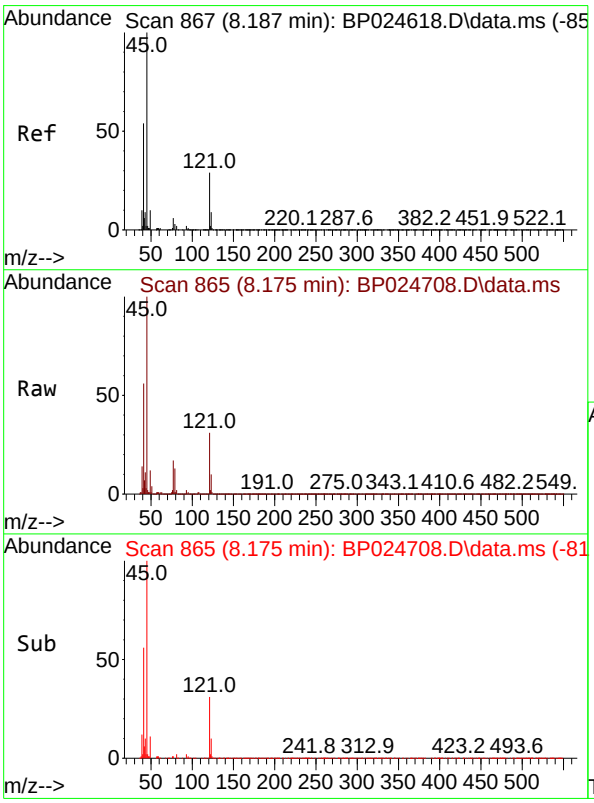
#15
Benzyl Alcohol
Concen: 41.367 ng
RT: 7.905 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 79 Resp: 327937

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	63.8	51.9	77.9

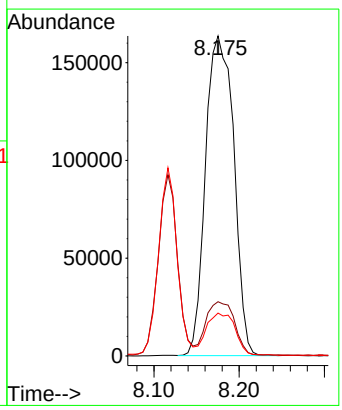


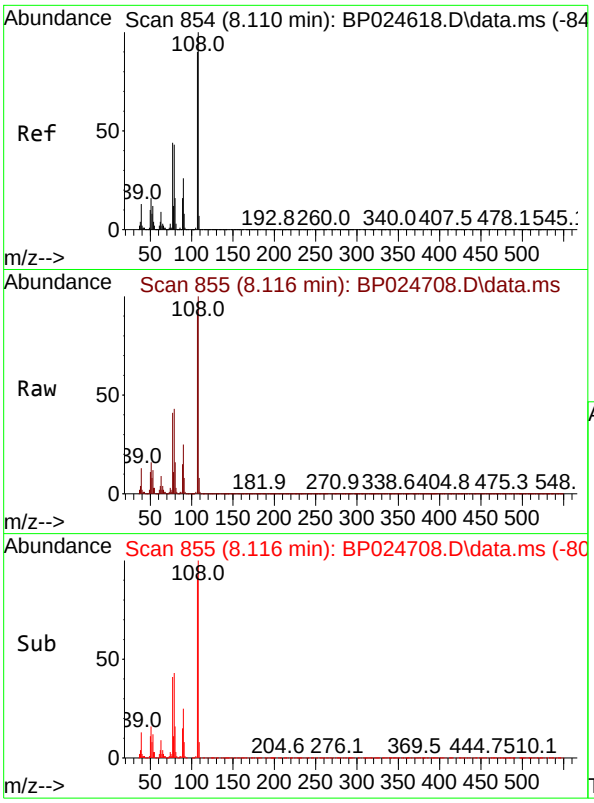


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.482 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 45 Resp: 375945

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.7
79	13.4	0.0	34.0



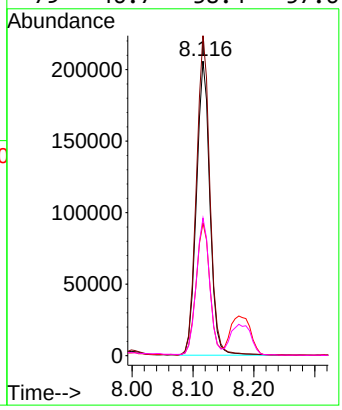


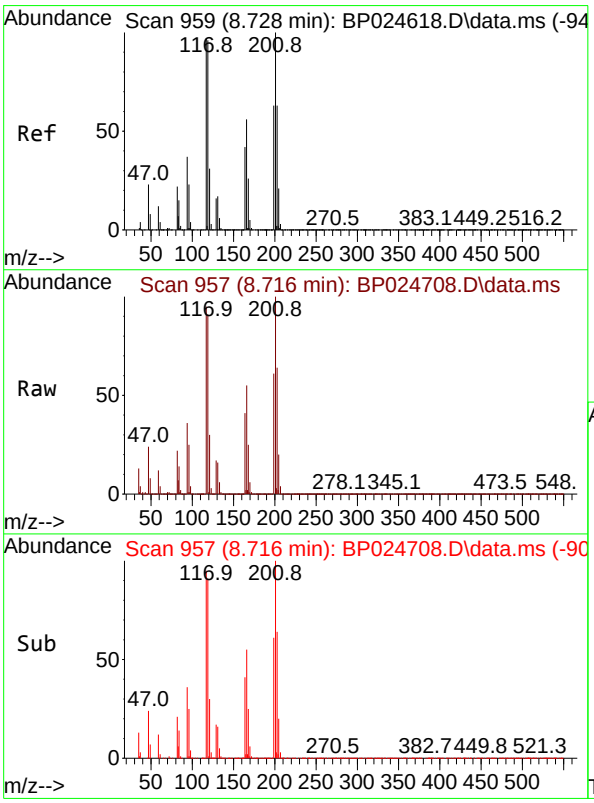
#17
2-Methylphenol
Concen: 40.750 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:107 Resp: 314693

Ion	Ratio	Lower	Upper
107	100		
108	108.6	88.9	133.3
77	45.0	39.0	58.6
79	46.7	38.4	57.6

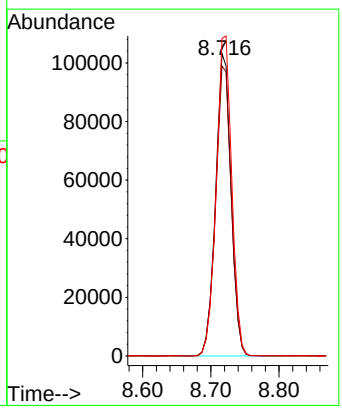


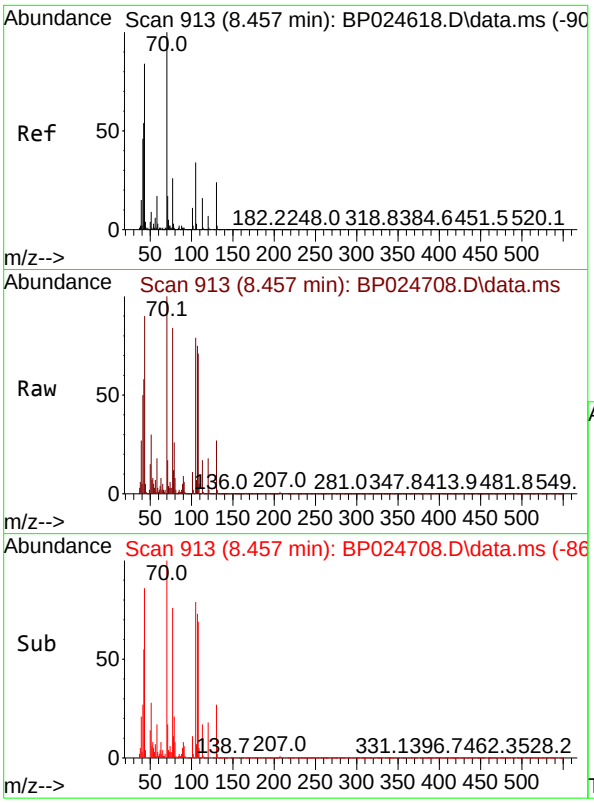


#18
Hexachloroethane
Concen: 39.533 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:117 Resp: 162657

Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.4	119.0
201	105.1	82.7	124.1



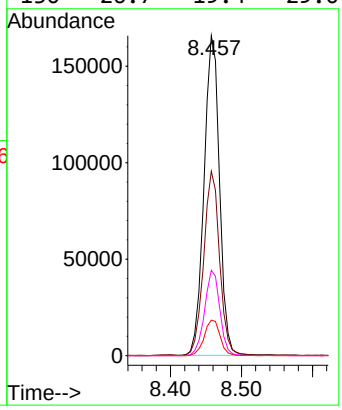


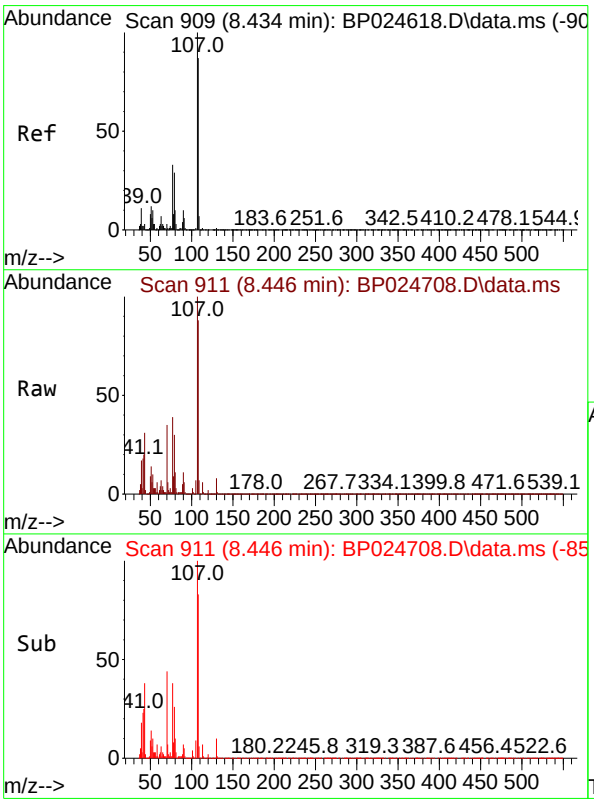
#19
n-Nitroso-di-n-propylamine
Concen: 34.851 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 70 Resp: 251492

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.0	64.6
101	11.1	8.7	13.1
130	26.7	19.4	29.0

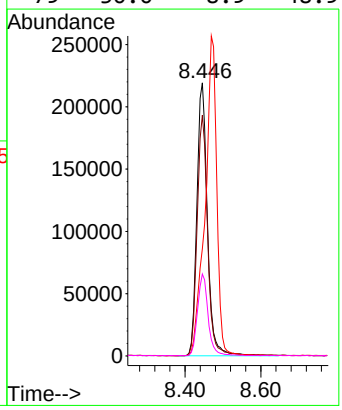


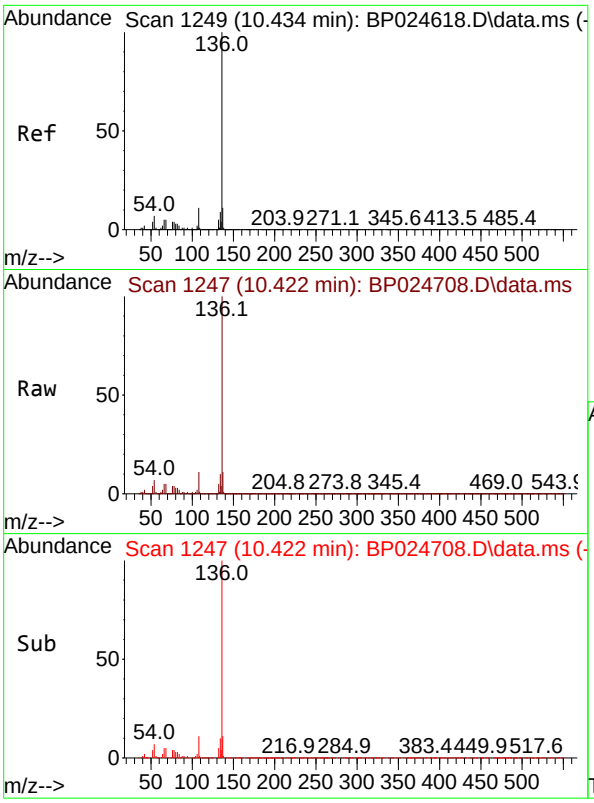


#20
3+4-Methylphenols
Concen: 40.492 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 425353

Ion	Ratio	Lower	Upper
107	100		
108	88.2	66.7	106.7
77	39.3	13.1	53.1
79	30.0	8.9	48.9



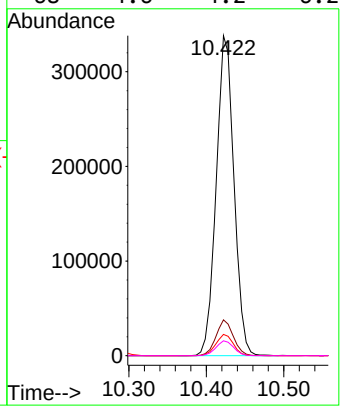


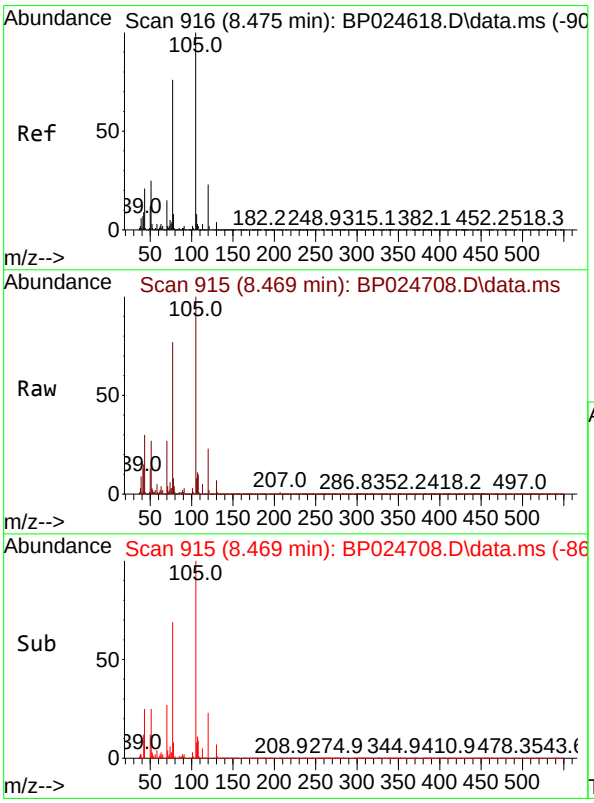
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:136 Resp: 538123

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.6	5.5	8.3
68	4.6	4.2	6.2

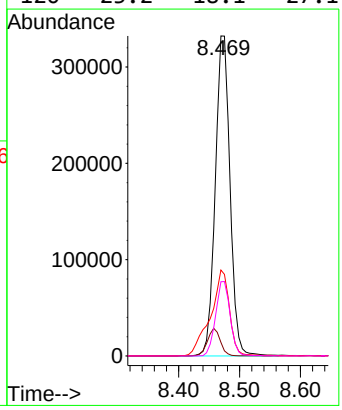


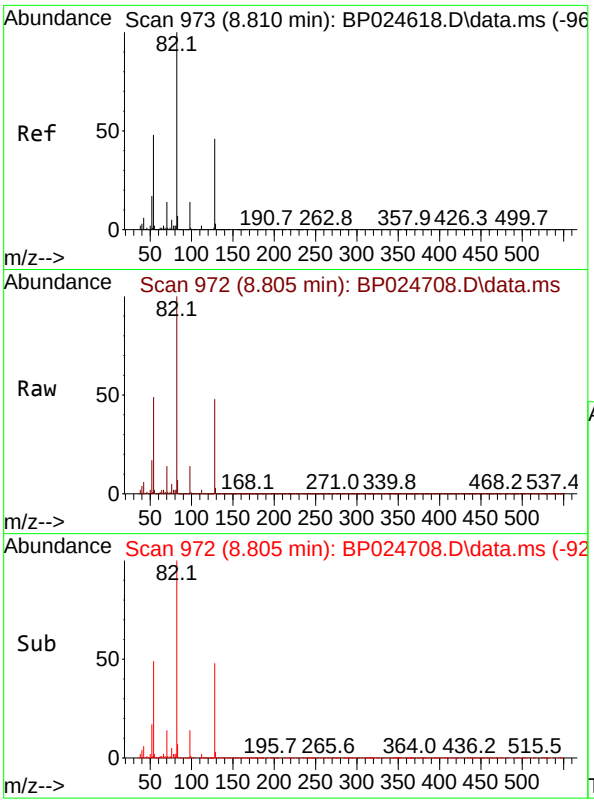


#22
Acetophenone
Concen: 41.596 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:105 Resp: 559135

Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.0	3.0#
51	26.9	20.4	30.6
120	23.2	18.1	27.1



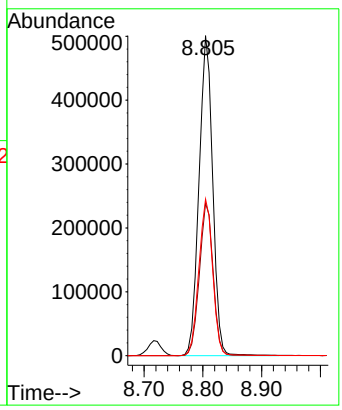


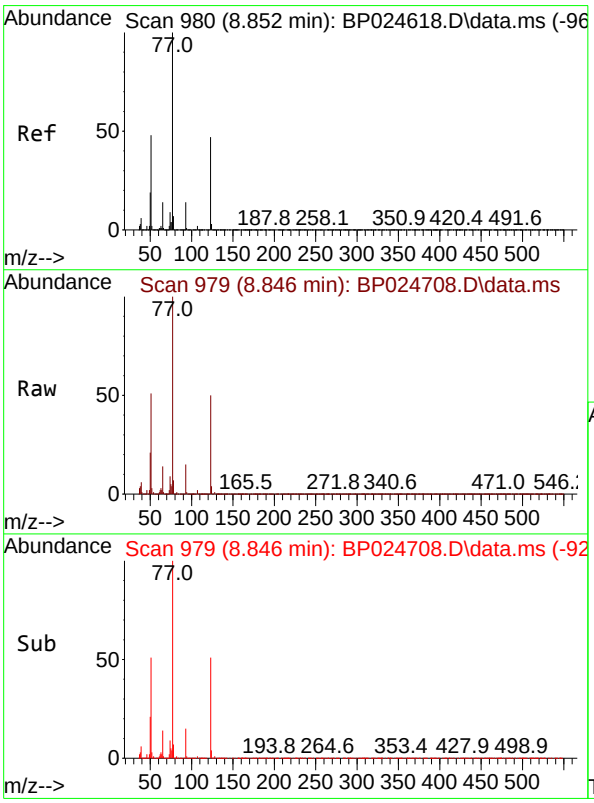
#23
Nitrobenzene-d5
Concen: 75.818 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 82 Resp: 807485

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.4
54	49.0	38.7	58.1

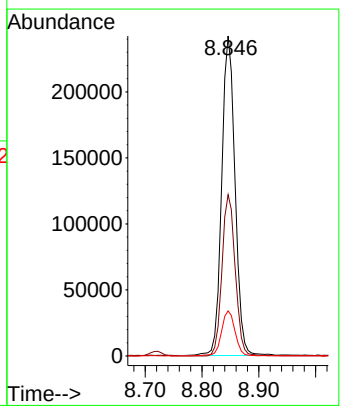


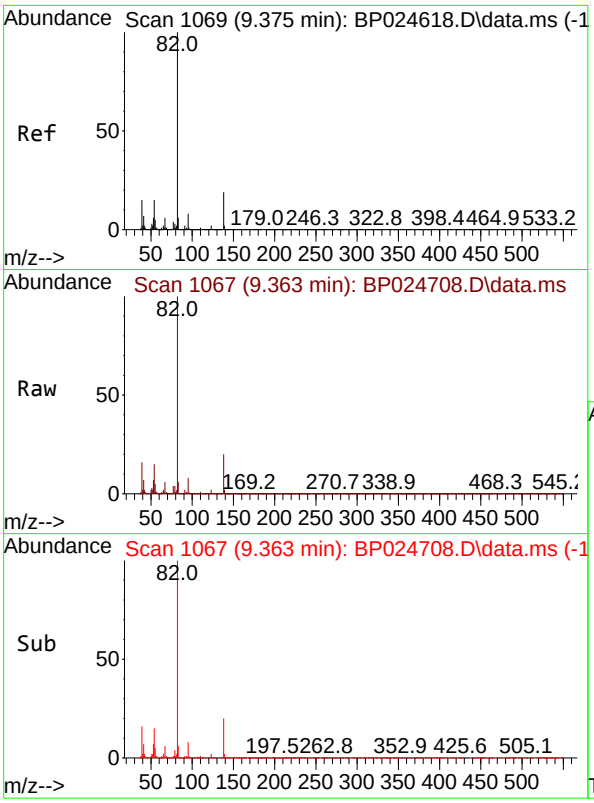


#24
Nitrobenzene
Concen: 42.239 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 395885

Ion	Ratio	Lower	Upper
77	100		
123	50.4	37.4	56.0
65	14.1	11.3	16.9



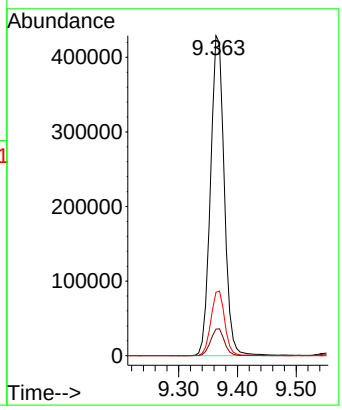


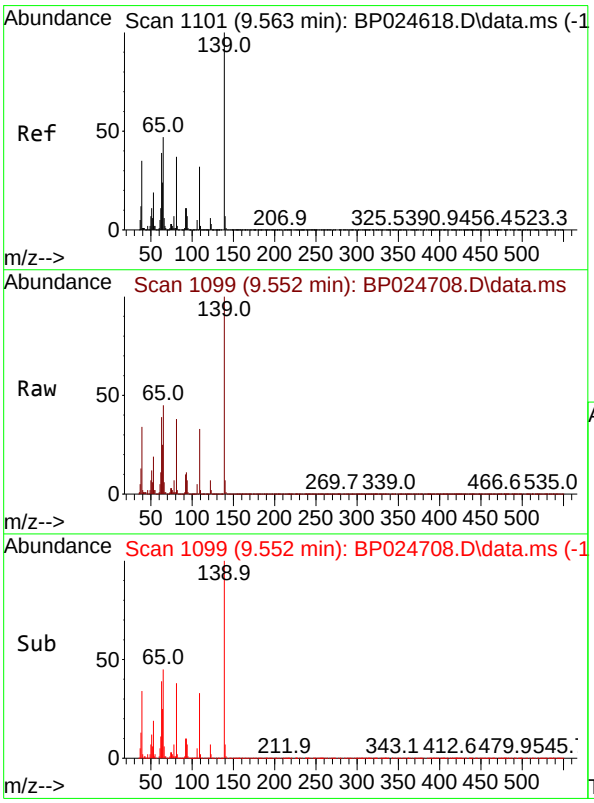
#25
Isophorone
Concen: 37.737 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 82 Resp: 697164

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.3	9.5
138	19.8	15.3	22.9

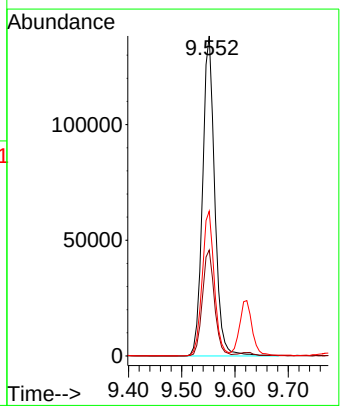


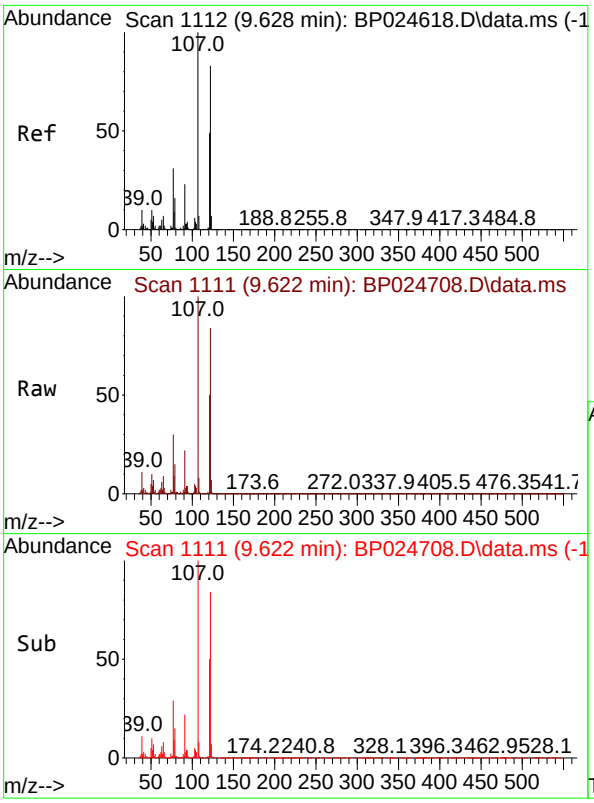


#26
2-Nitrophenol
Concen: 47.744 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 219271

Ion	Ratio	Lower	Upper
139	100		
109	33.1	25.9	38.9
65	45.2	37.9	56.9



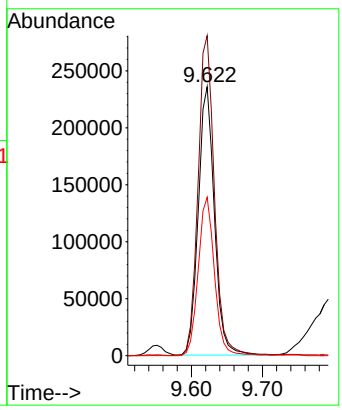


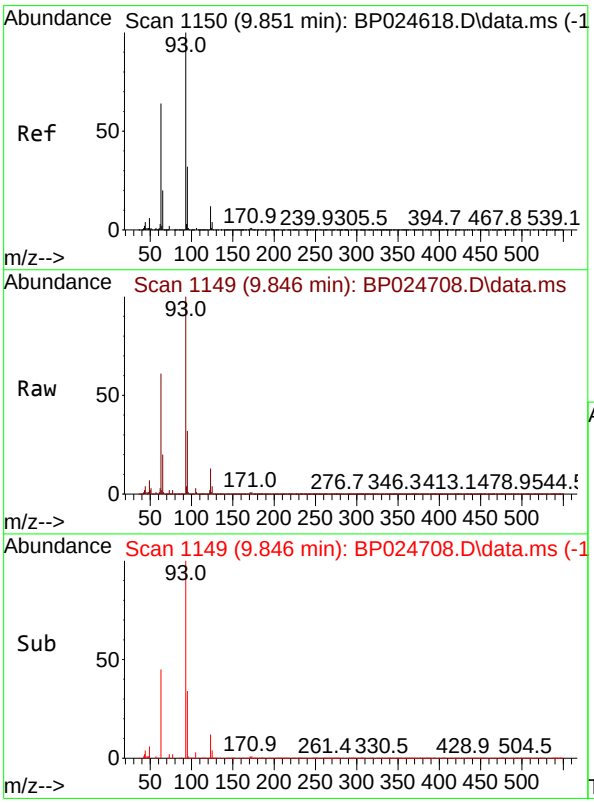
#27
2,4-Dimethylphenol
Concen: 45.988 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:122 Resp: 372381

Ion	Ratio	Lower	Upper
122	100		
107	118.9	96.2	144.2
121	58.9	47.6	71.4

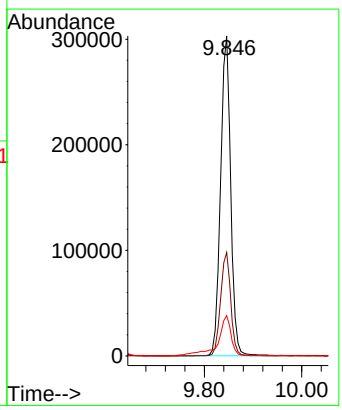


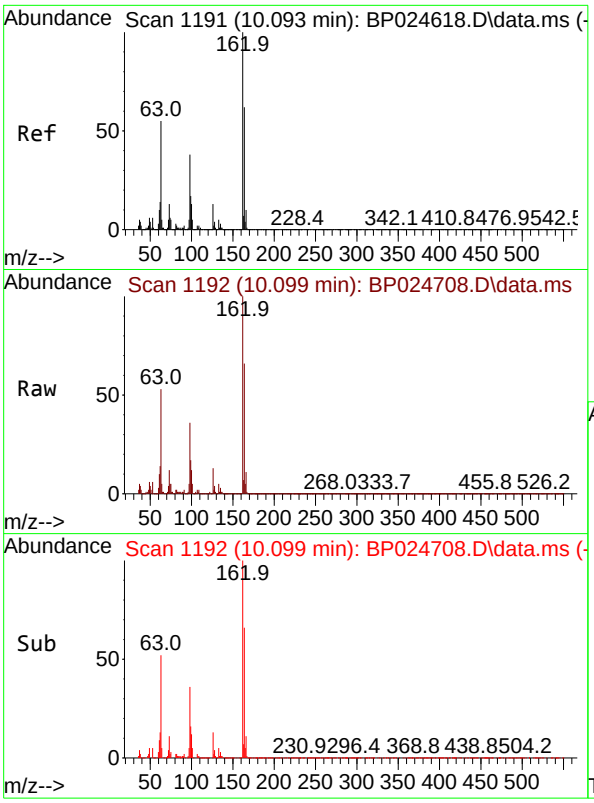


#28
bis(2-Chloroethoxy)methane
Concen: 39.691 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 438080

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.6	9.7	14.5



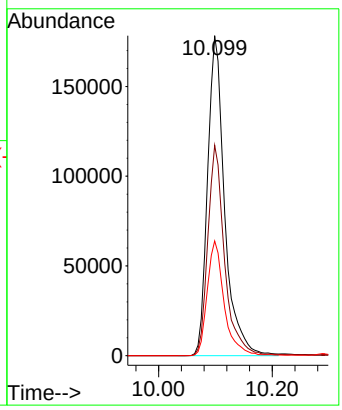


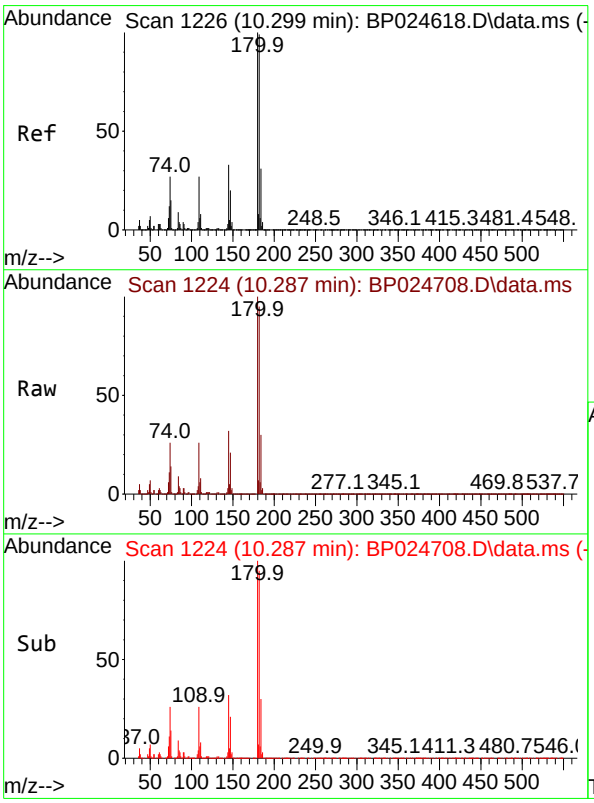
#29
2,4-Dichlorophenol
Concen: 47.224 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:162 Resp: 370553

Ion	Ratio	Lower	Upper
162	100		
164	65.8	42.3	82.3
98	35.8	18.4	58.4

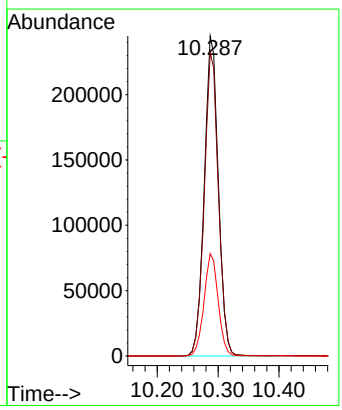


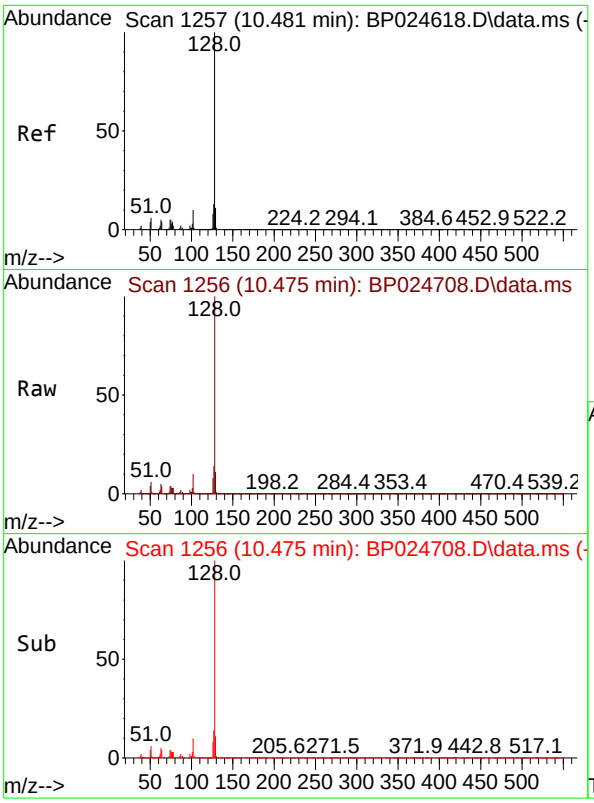


#30
1,2,4-Trichlorobenzene
Concen: 44.400 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:180 Resp: 392603

Ion	Ratio	Lower	Upper
180	100		
182	94.8	79.0	118.4
145	31.9	26.6	39.8



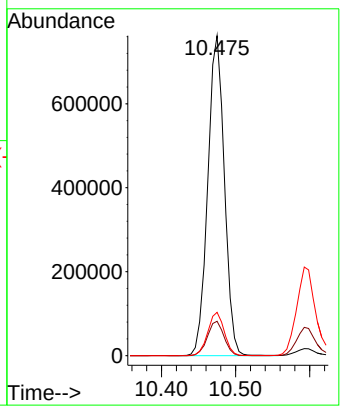


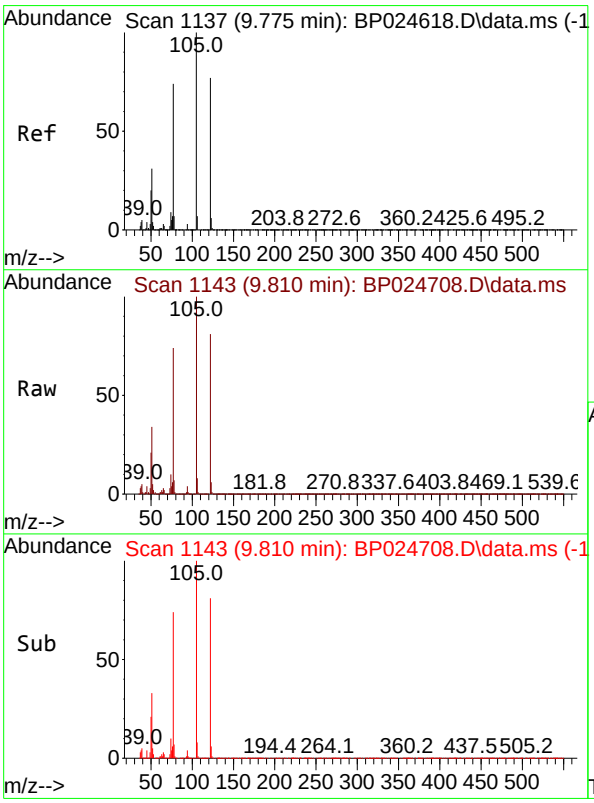
#31
Naphthalene
Concen: 42.522 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:128 Resp: 1185760

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.7	16.1

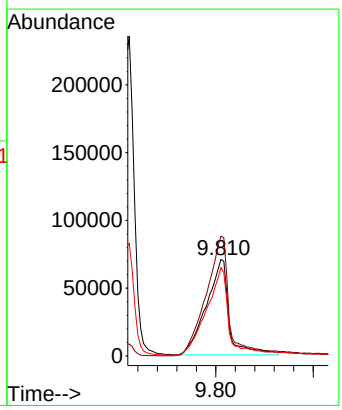


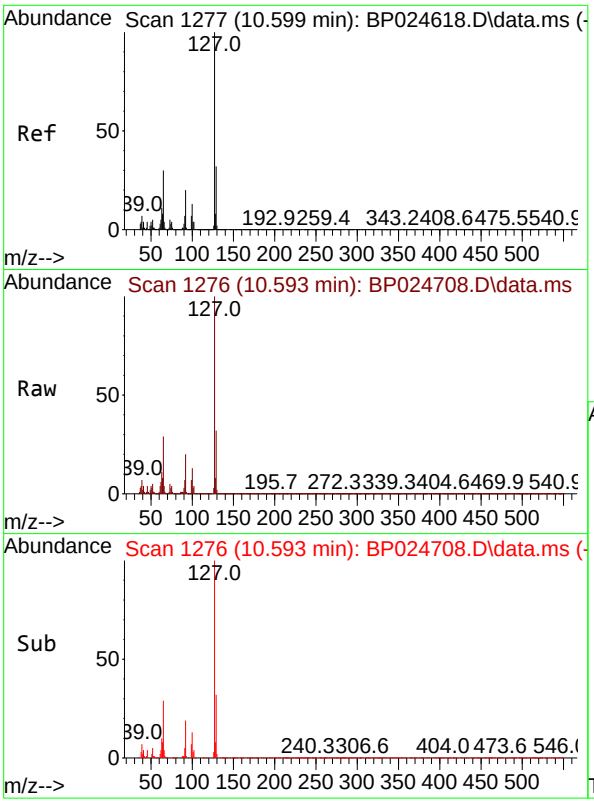


#32
Benzoic acid
Concen: 41.680 ng
RT: 9.810 min Scan# 1143
Delta R.T. 0.035 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 228390

Ion	Ratio	Lower	Upper
122	100		
105	124.0	106.9	146.9
77	91.6	75.1	115.1



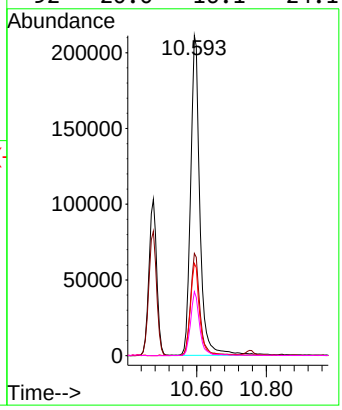


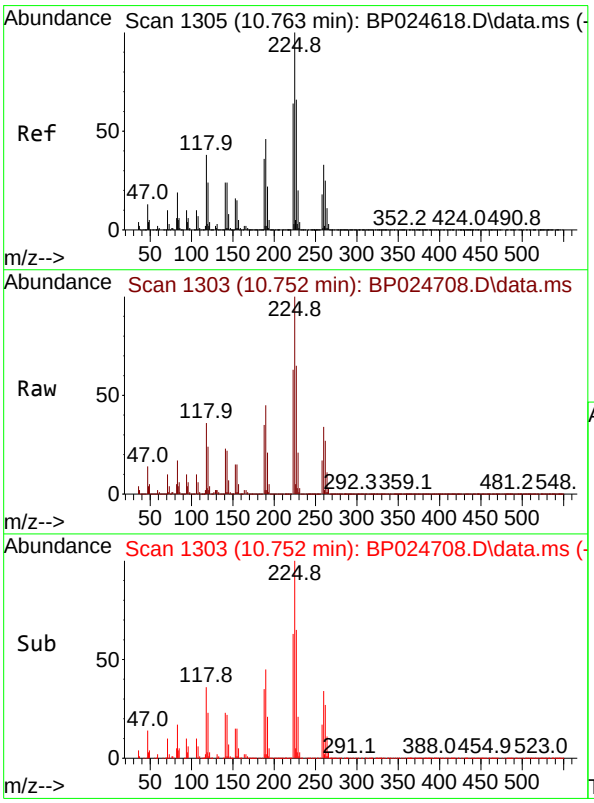
#33
4-Chloroaniline
Concen: 34.925 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:127 Resp: 393001

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	28.8	23.9	35.9
92	20.0	16.1	24.1

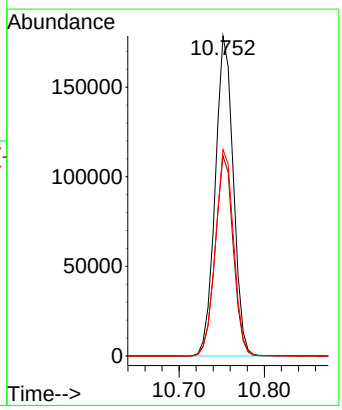


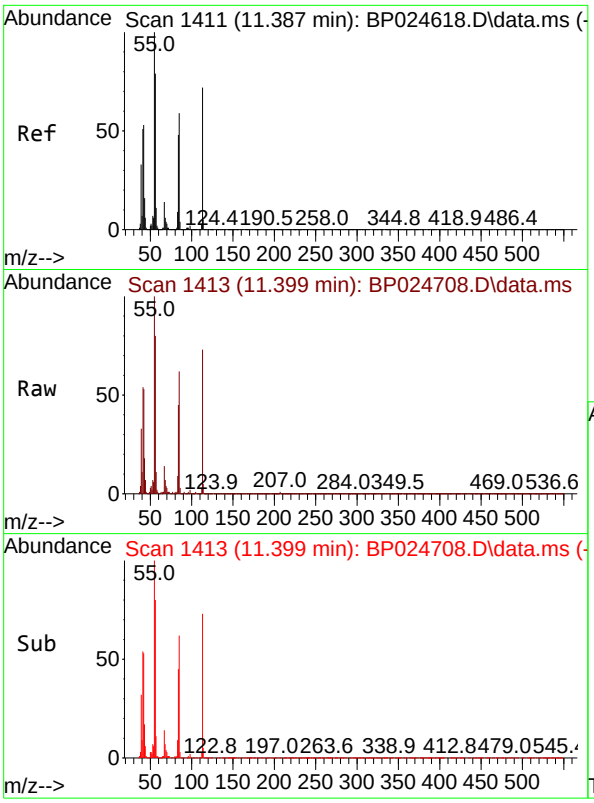


#34
Hexachlorobutadiene
Concen: 45.836 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:225 Resp: 262558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.5	53.1	79.7



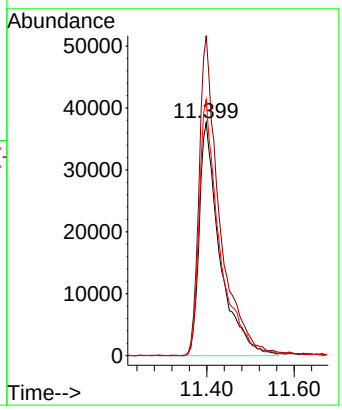


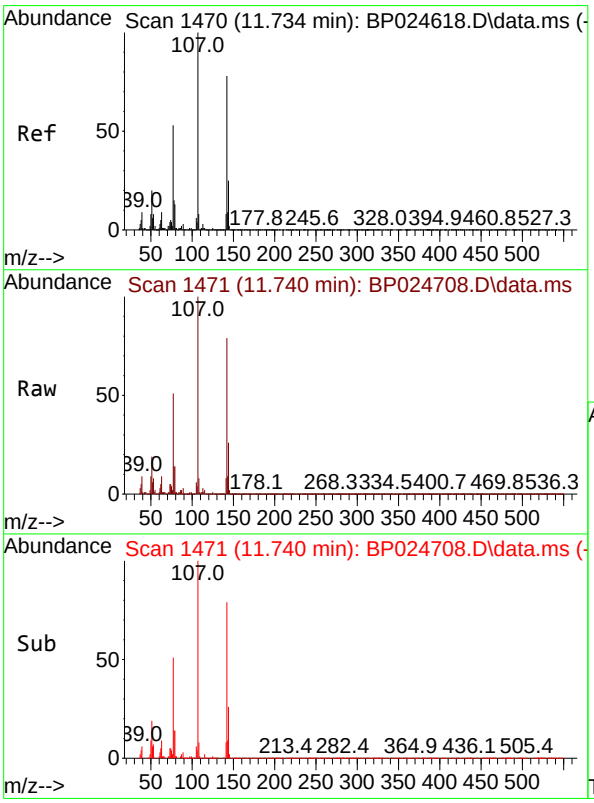
#35
Caprolactam
Concen: 43.305 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:113 Resp: 122940

Ion	Ratio	Lower	Upper
113	100		
55	137.2	119.0	159.0
56	109.9	90.3	130.3

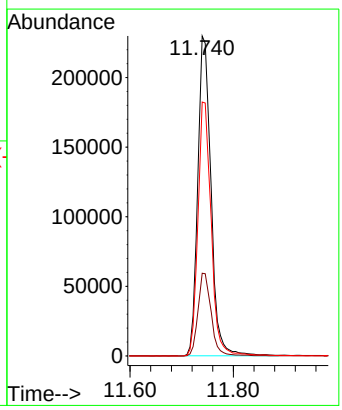


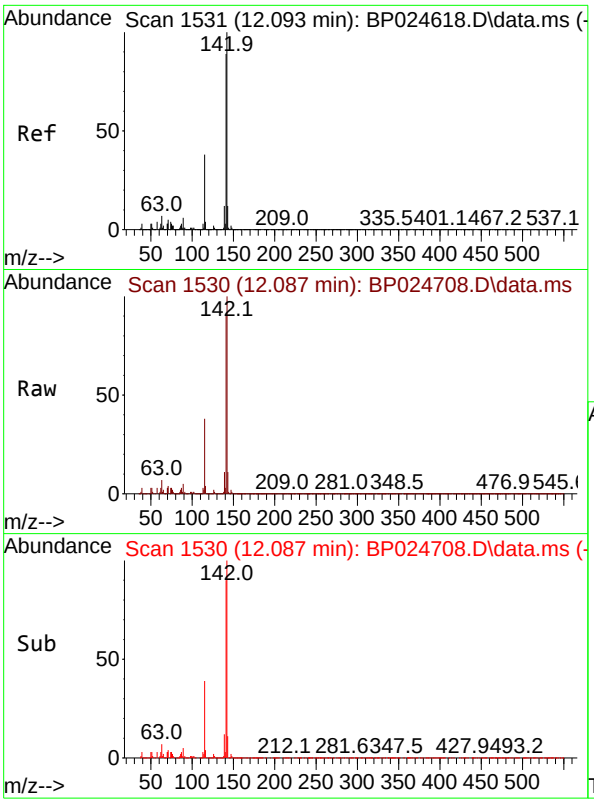


#36
4-Chloro-3-methylphenol
Concen: 42.794 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 409493

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.1	30.1
142	79.3	62.1	93.1



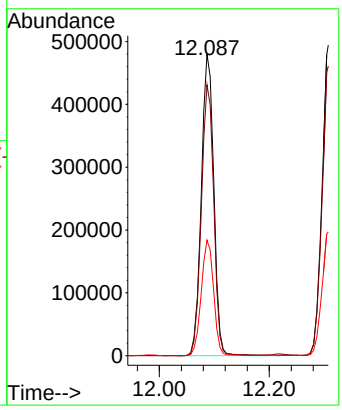


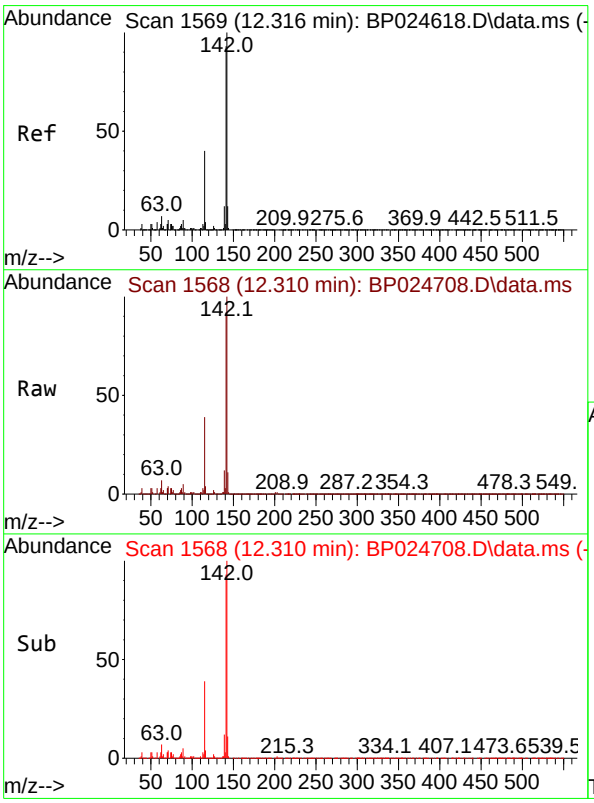
#37
2-Methylnaphthalene
Concen: 41.862 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:142 Resp: 755884

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	38.3	30.6	46.0

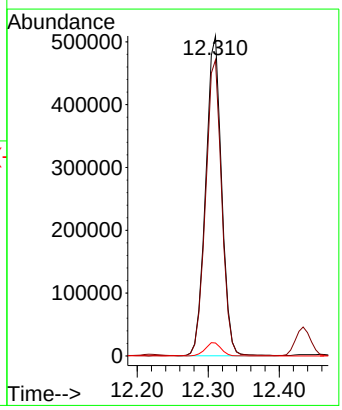


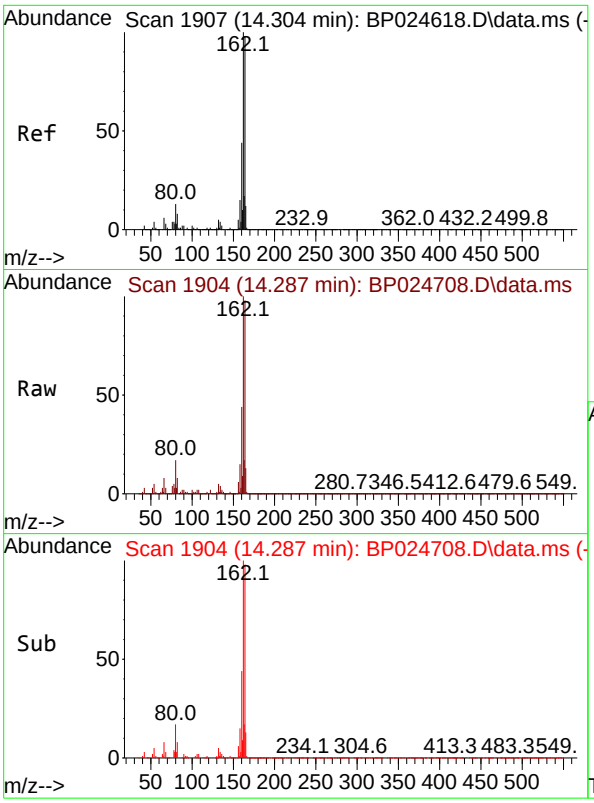


#38
1-Methylnaphthalene
Concen: 41.005 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 792211

Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.7	112.1
116	4.1	3.4	5.2



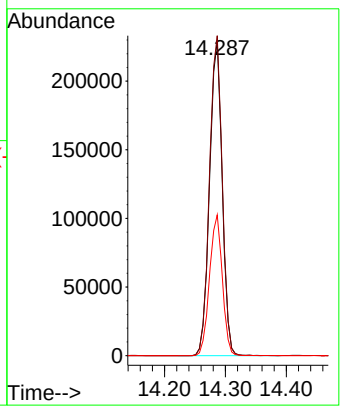


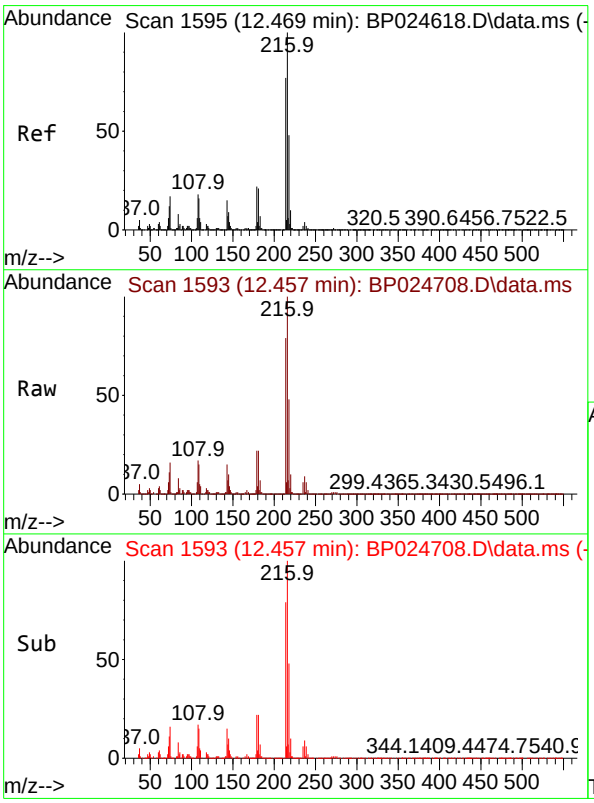
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:164 Resp: 329718

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.8	122.6
160	44.7	36.3	54.5

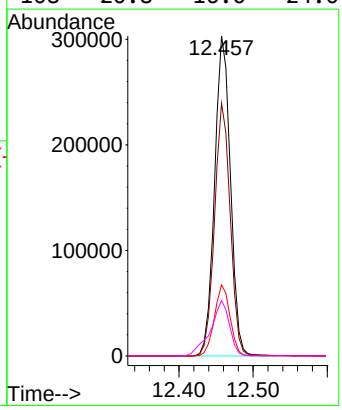


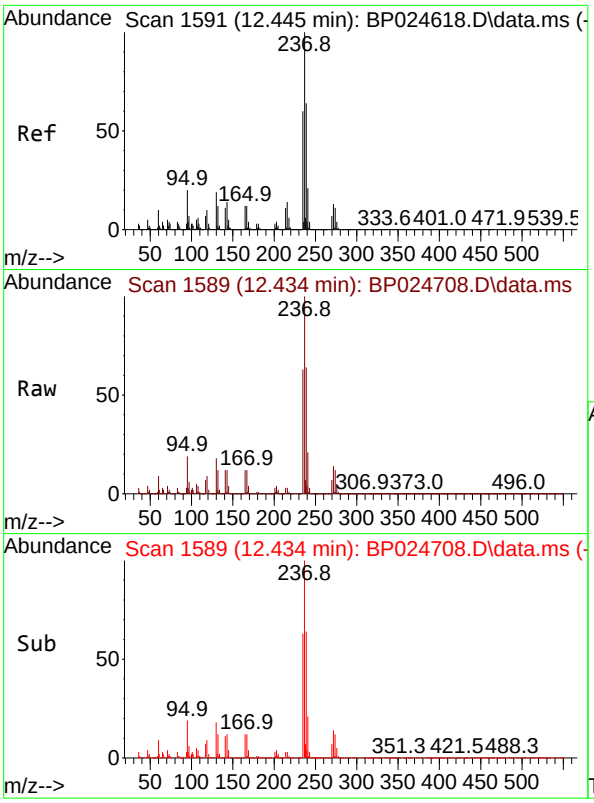


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.016 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:216 Resp: 450159

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	22.0	17.7	26.5
108	20.8	16.0	24.0



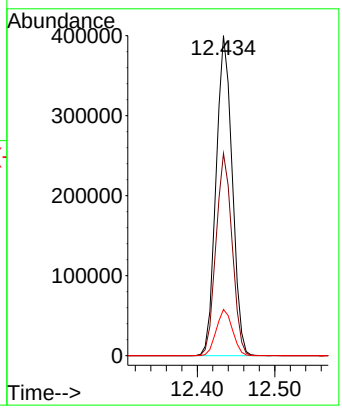


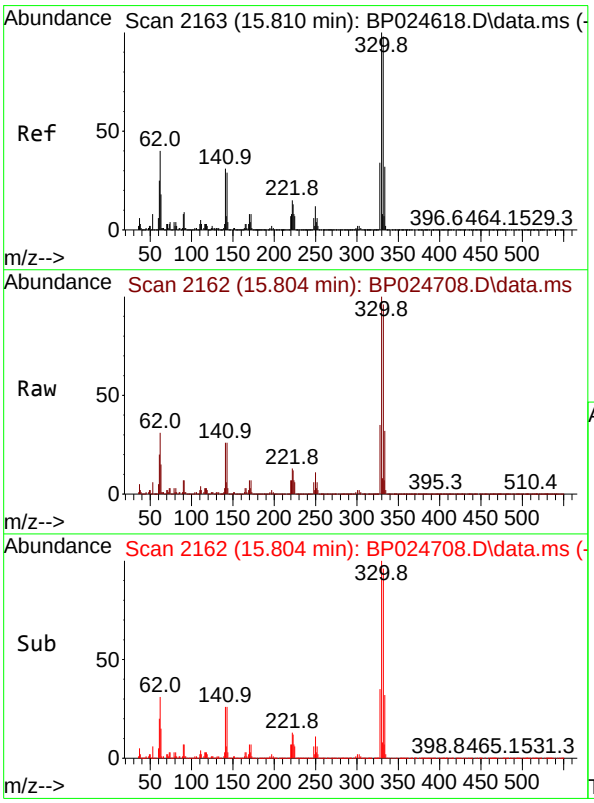
#41
Hexachlorocyclopentadiene
Concen: 99.710 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:237 Resp: 578889

Ion	Ratio	Lower	Upper
237	100		
235	63.2	39.9	79.9
272	14.4	0.0	33.2

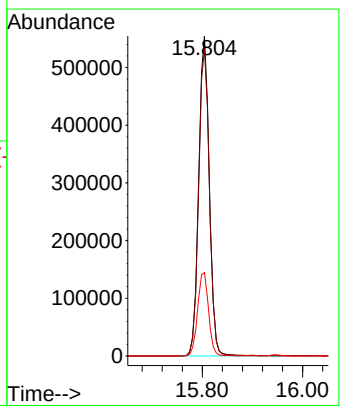


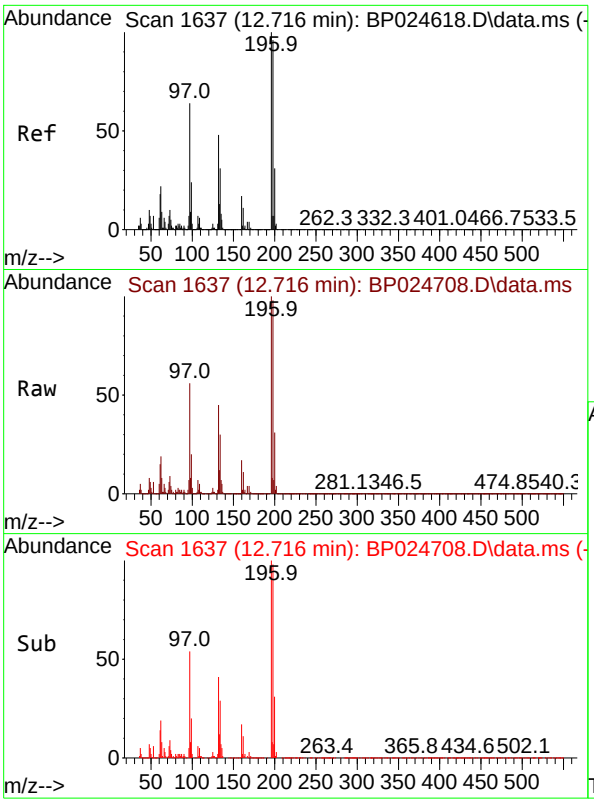


#42
2,4,6-Tribromophenol
Concen: 146.094 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:330 Resp: 816620

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.2	117.4
141	26.8	24.3	36.5



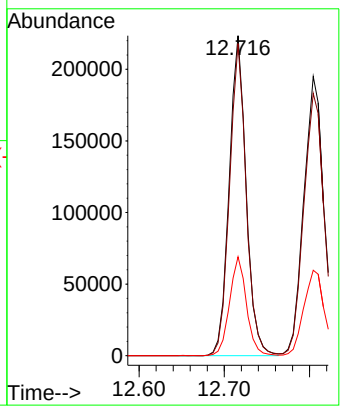


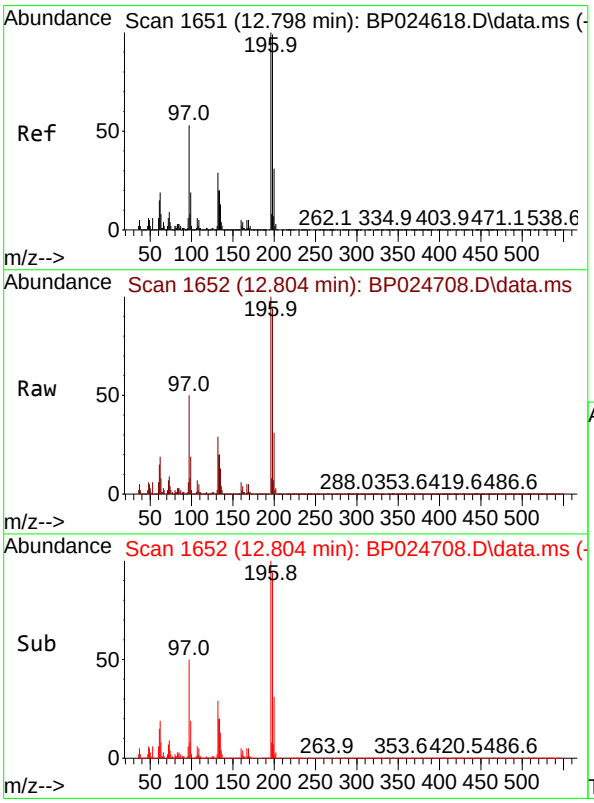
#43
2,4,6-Trichlorophenol
Concen: 49.774 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:196 Resp: 308678

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.9	115.3
200	30.9	25.2	37.8

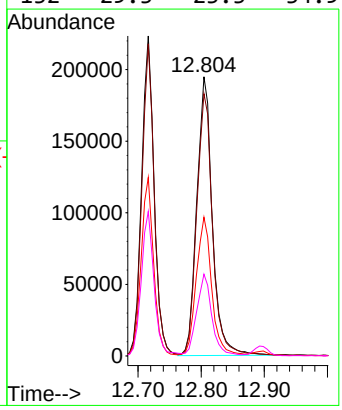


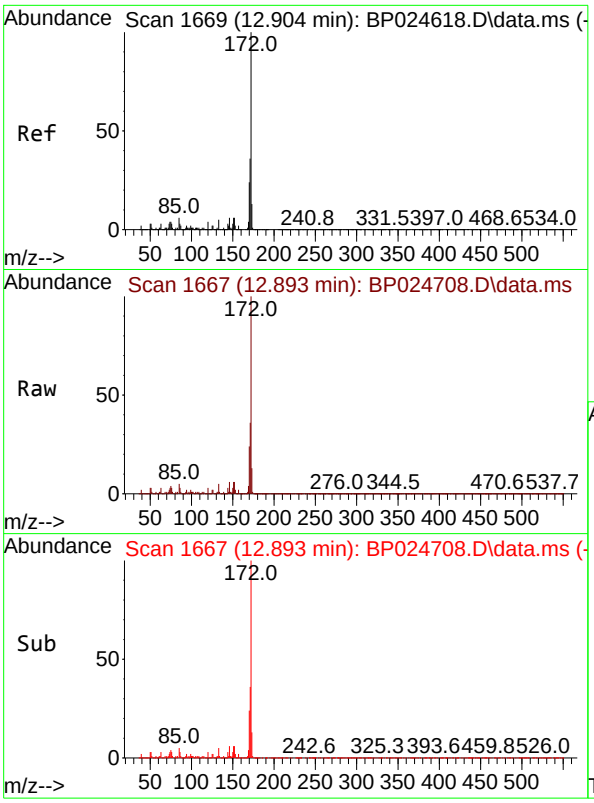


#44
2,4,5-Trichlorophenol
Concen: 48.366 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 333877

Ion	Ratio	Lower	Upper
196	100		
198	93.9	79.2	118.8
97	49.7	42.3	63.5
132	29.3	23.3	34.9



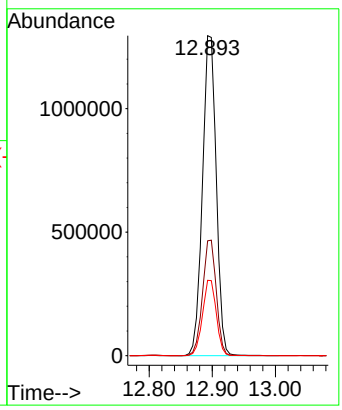


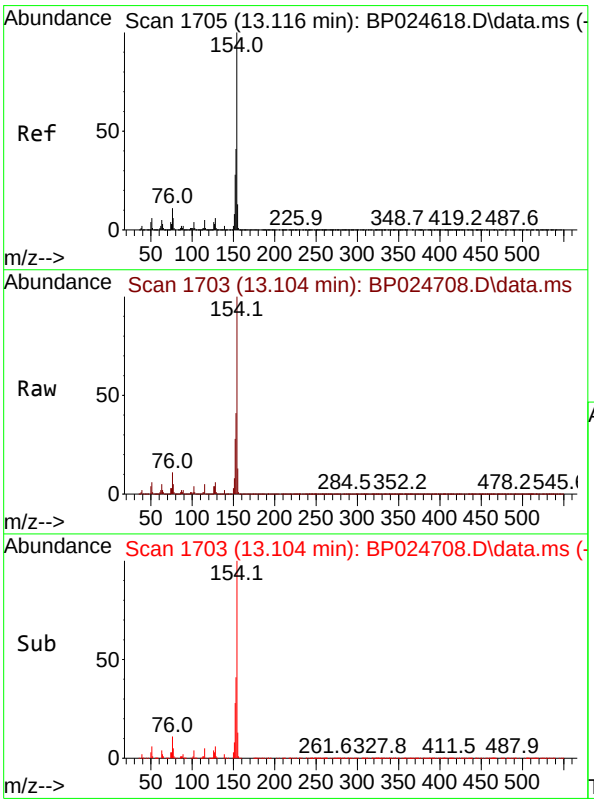
#45
2-Fluorobiphenyl
Concen: 78.074 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:172 Resp: 1964889

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.5	18.8	28.2

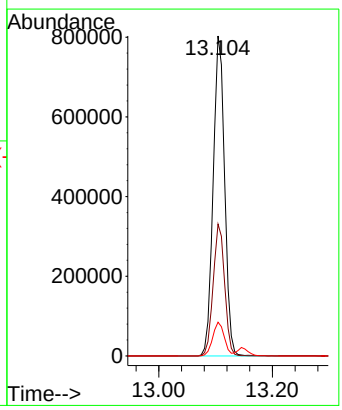


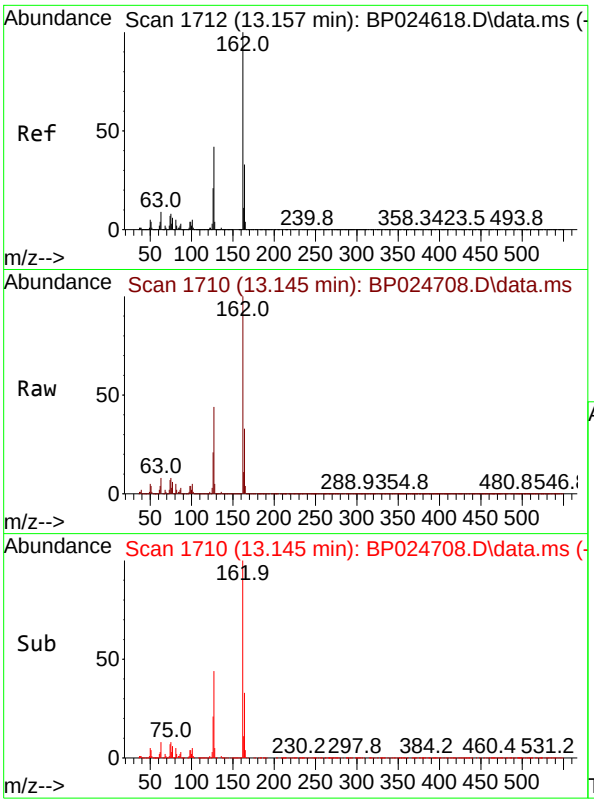


#46
1,1'-Biphenyl
Concen: 45.948 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 1119732

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	10.6	0.0	31.5



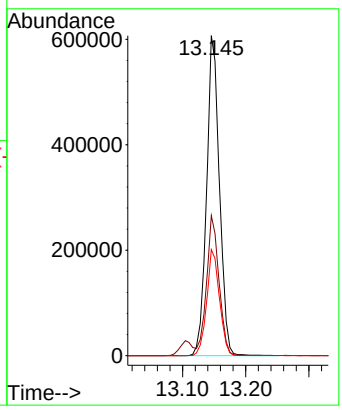


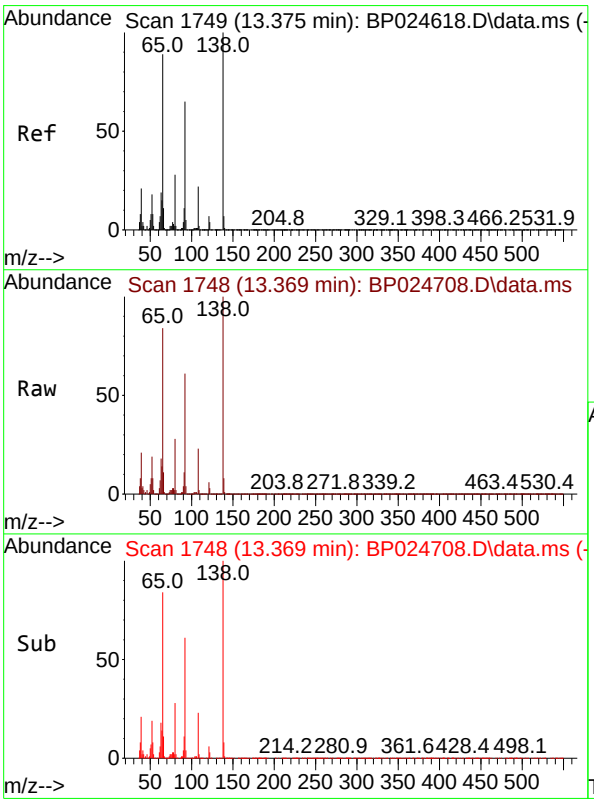
#47
2-Chloronaphthalene
Concen: 46.157 ng
RT: 13.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:162 Resp: 857654

Ion	Ratio	Lower	Upper
162	100		
127	43.8	33.8	50.6
164	33.2	26.0	39.0

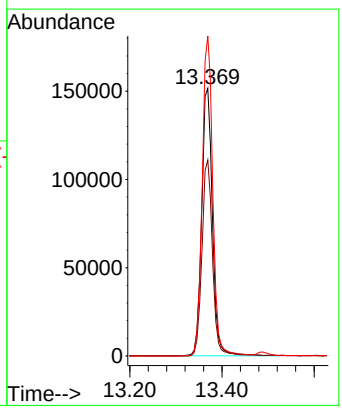


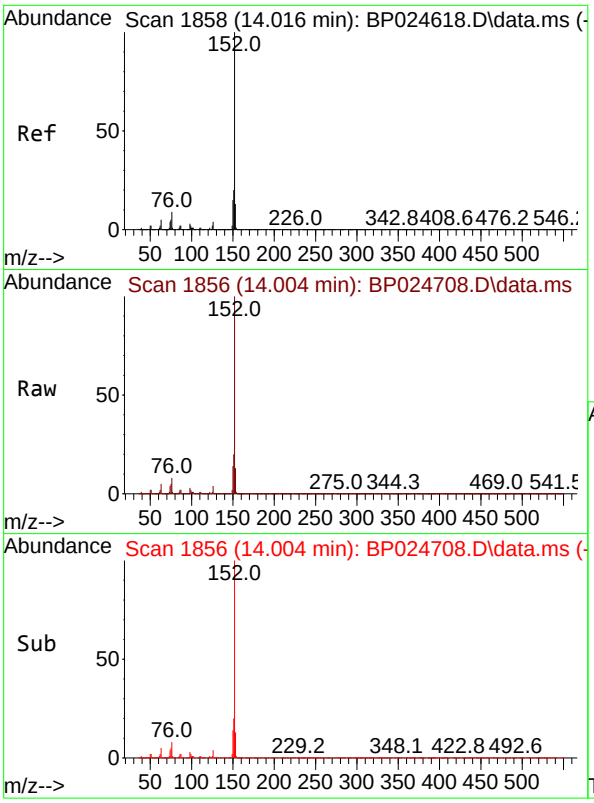


#48
2-Nitroaniline
Concen: 45.061 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 65 Resp: 247888

Ion	Ratio	Lower	Upper
65	100		
92	73.3	58.7	88.1
138	119.6	90.2	135.2



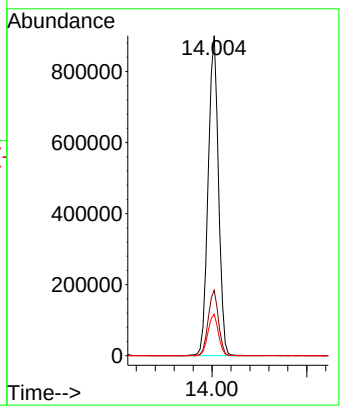


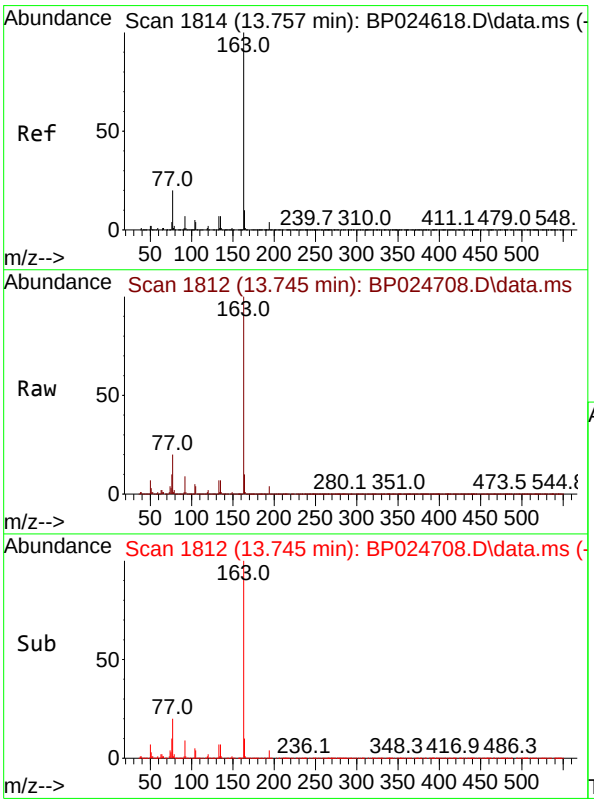
#49
Acenaphthylene
Concen: 43.666 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:152 Resp: 1357825

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	13.0	10.2	15.4

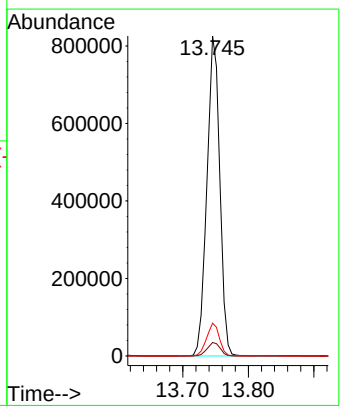


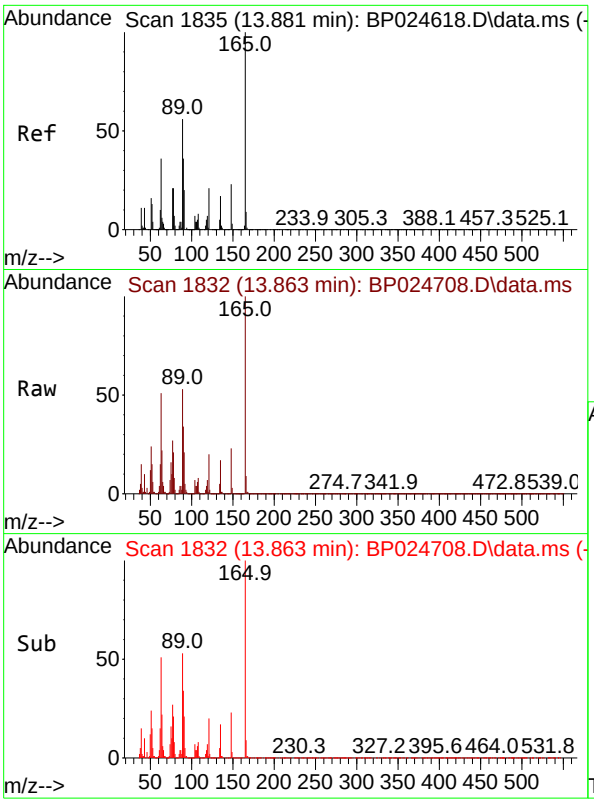


#50
Dimethylphthalate
Concen: 44.835 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:163 Resp: 1126770

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.1	12.1



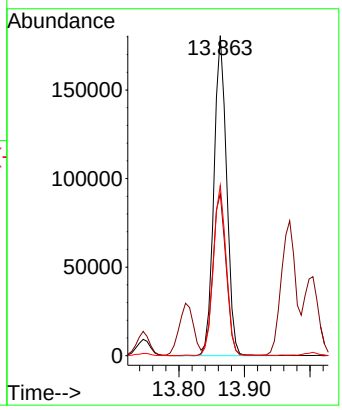


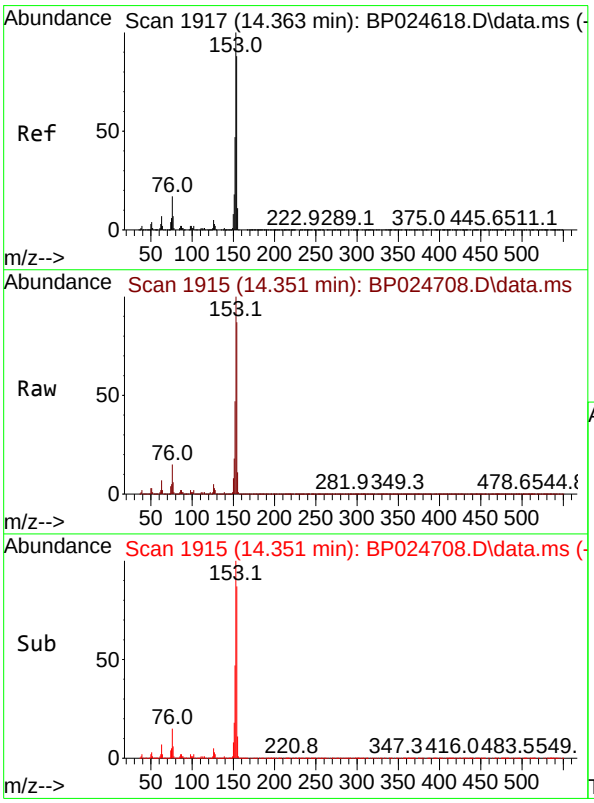
#51
2,6-Dinitrotoluene
Concen: 45.757 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:165 Resp: 242858

Ion	Ratio	Lower	Upper
165	100		
63	50.6	42.4	63.6
89	53.2	44.8	67.2

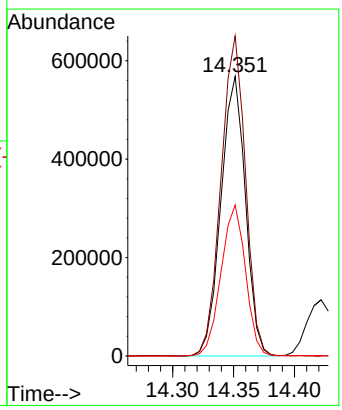


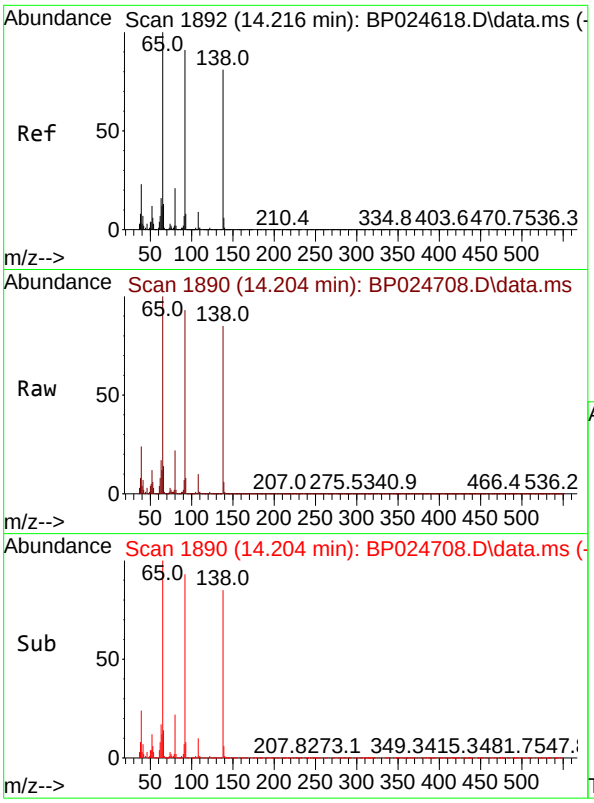


#52
Acenaphthene
Concen: 44.519 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 795831

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.0	136.4
152	54.0	42.9	64.3



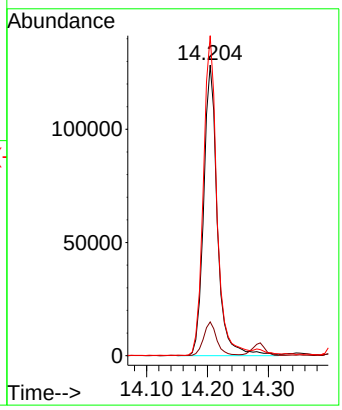


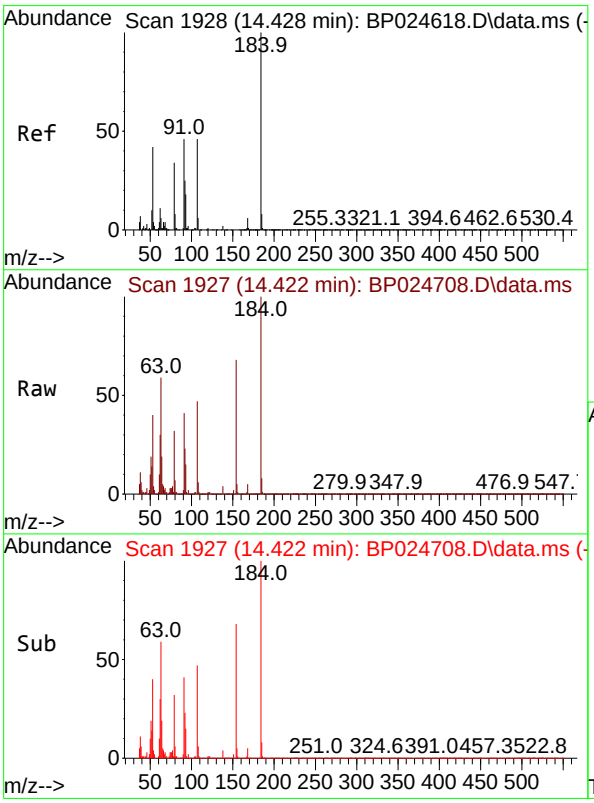
#53
3-Nitroaniline
Concen: 37.085 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:138 Resp: 200980

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.0	13.4
92	110.2	90.1	135.1

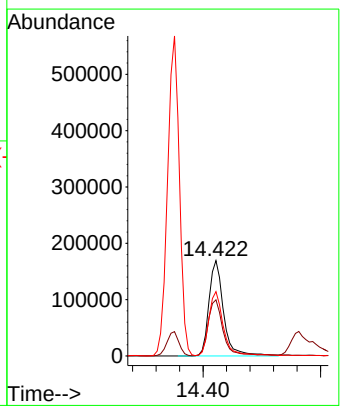


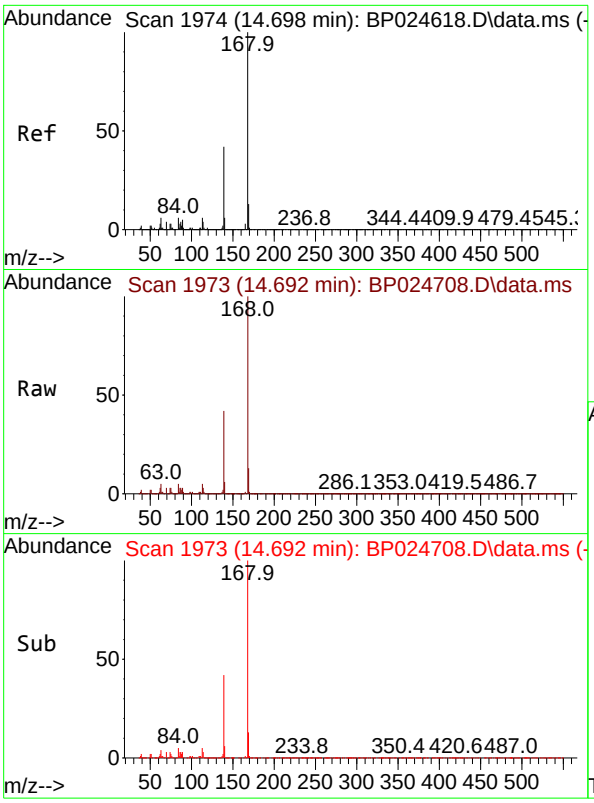


#54
2,4-Dinitrophenol
Concen: 86.708 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 292154

Ion	Ratio	Lower	Upper
184	100		
63	59.0	51.3	76.9
154	67.5	53.5	80.3



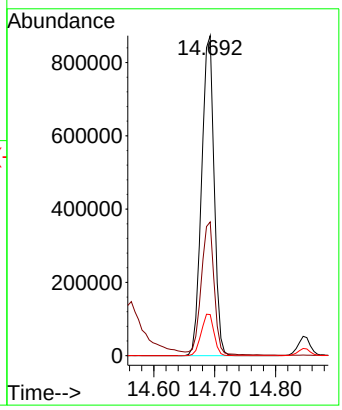


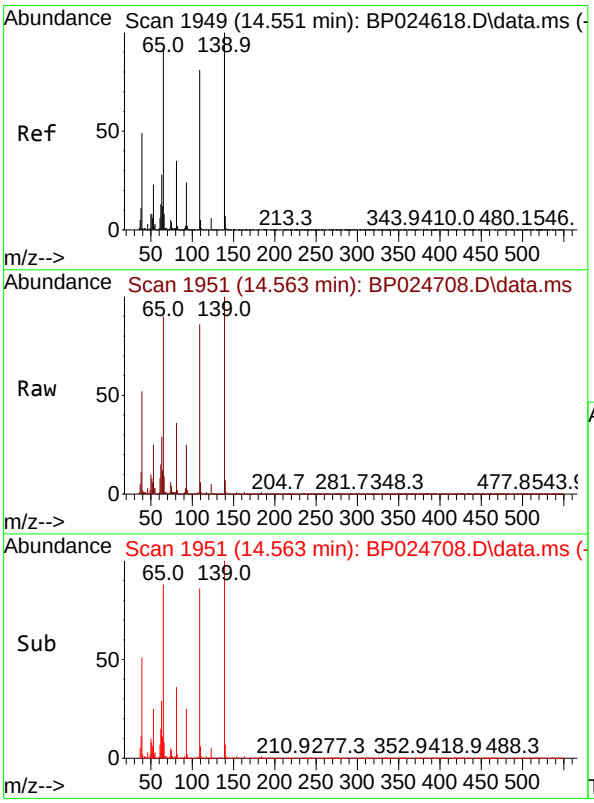
#55
Dibenzofuran
Concen: 43.677 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:168 Resp: 1245387

Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.2	51.4
169	12.8	10.8	16.2

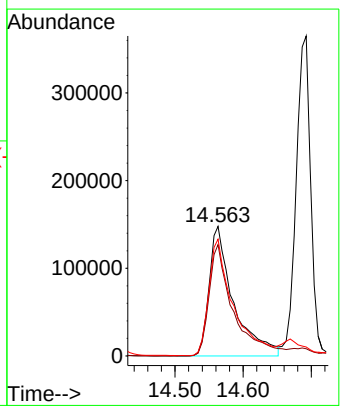


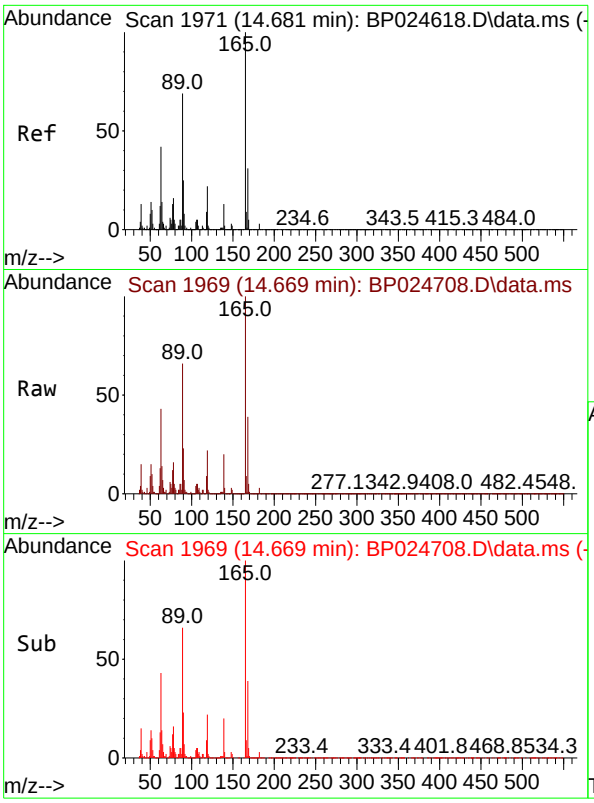


#56
4-Nitrophenol
Concen: 78.370 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 367273

Ion	Ratio	Lower	Upper
139	100		
109	85.9	61.4	101.4
65	90.2	72.2	112.2



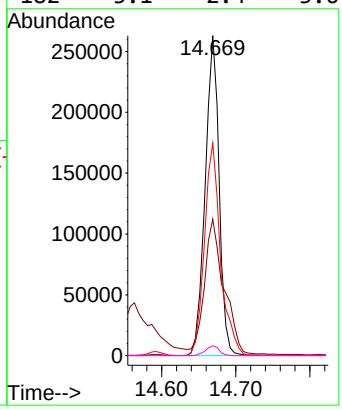


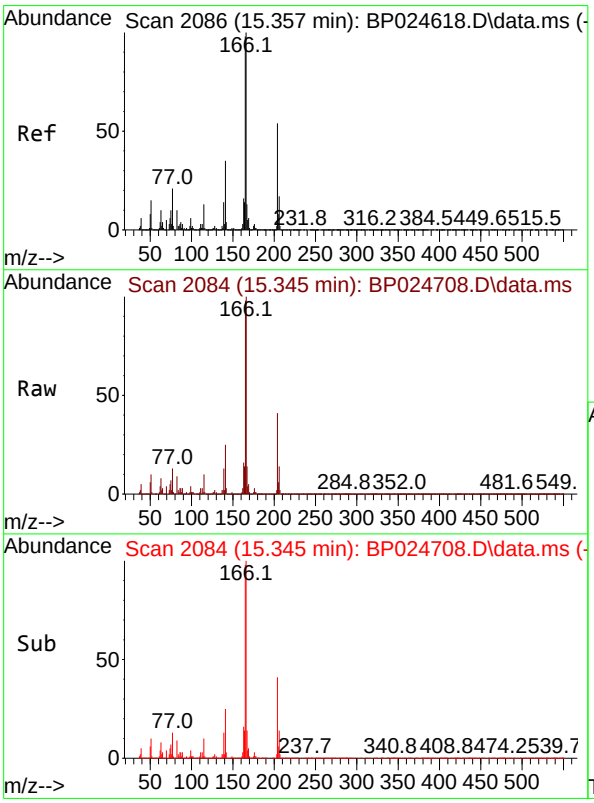
#57
2,4-Dinitrotoluene
Concen: 45.895 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:165 Resp: 343419

Ion	Ratio	Lower	Upper
165	100		
63	42.7	33.8	50.6
89	66.5	55.6	83.4
182	3.1	2.4	3.6

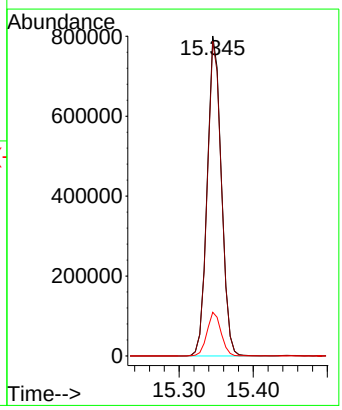


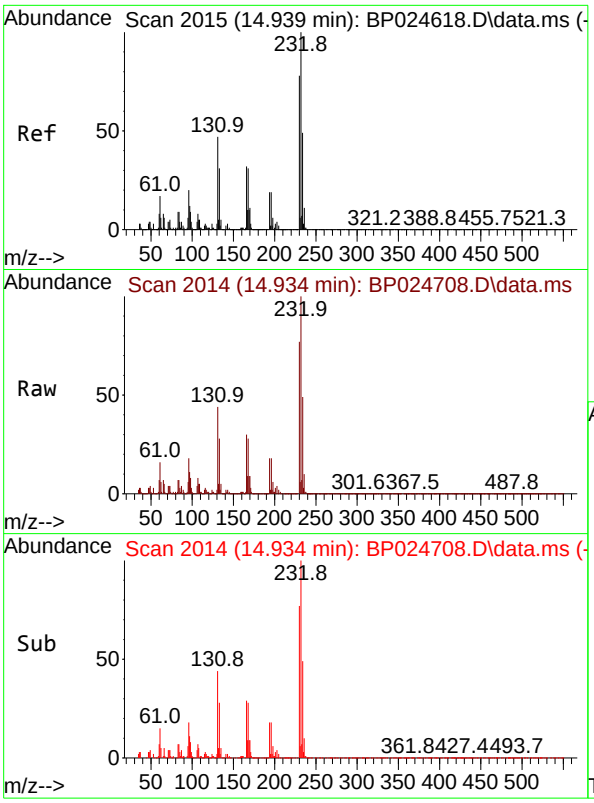


#58
Fluorene
Concen: 45.608 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:166 Resp: 1060372

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.5	117.7
167	13.7	10.7	16.1



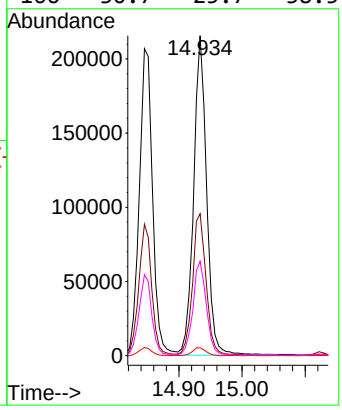


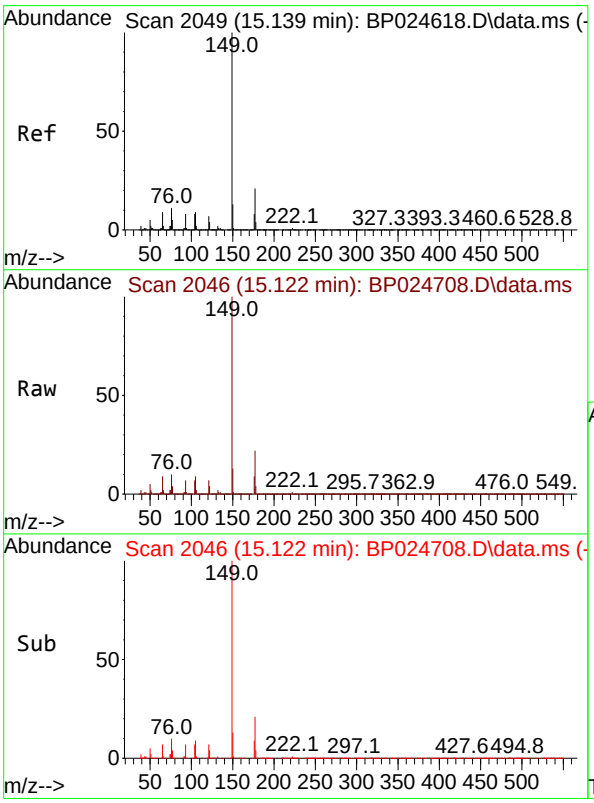
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.983 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:232 Resp: 307270

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.5	59.3
130	2.6	2.2	3.4
166	30.7	25.7	38.5

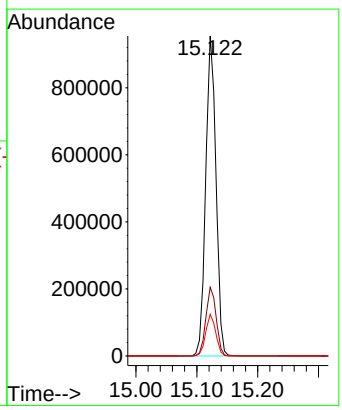


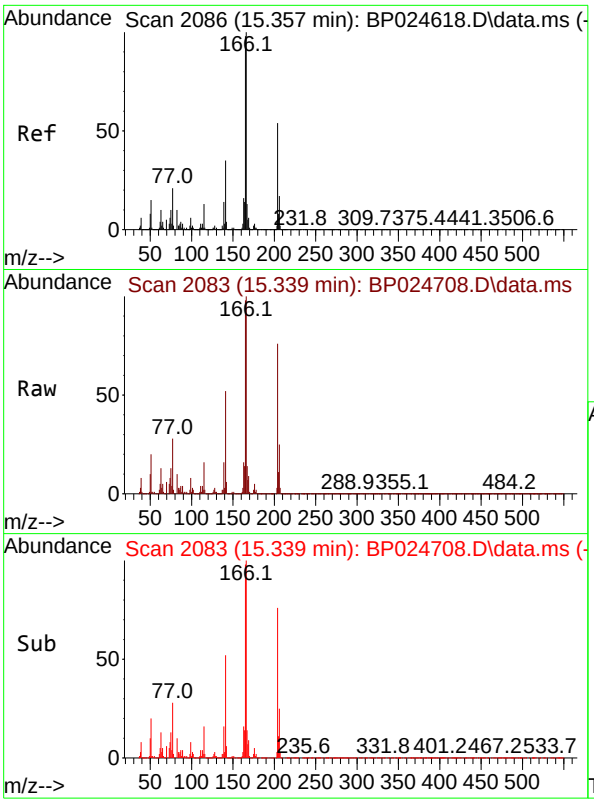


#60
Diethylphthalate
Concen: 44.119 ng
RT: 15.122 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1120632

Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.7	25.1
150	13.0	10.2	15.2



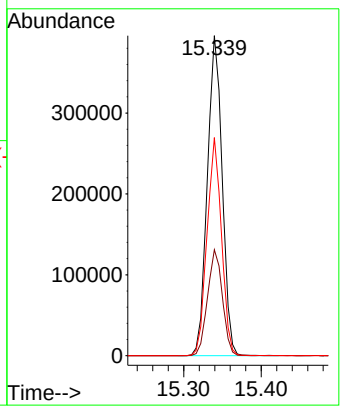


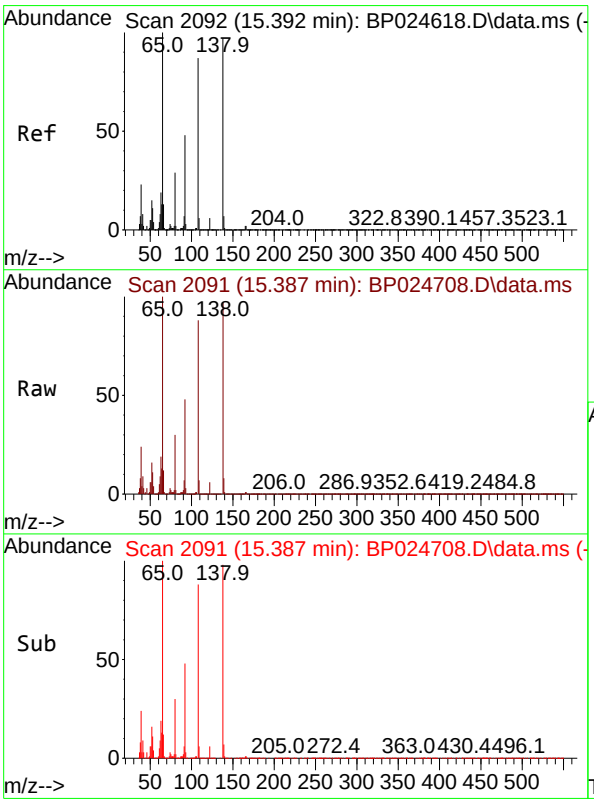
#61
4-Chlorophenyl-phenylether
Concen: 45.439 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:204 Resp: 526856

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.0	39.0
141	68.1	52.9	79.3

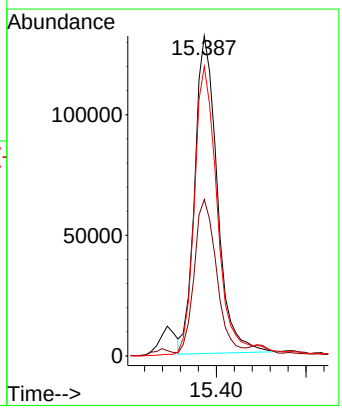


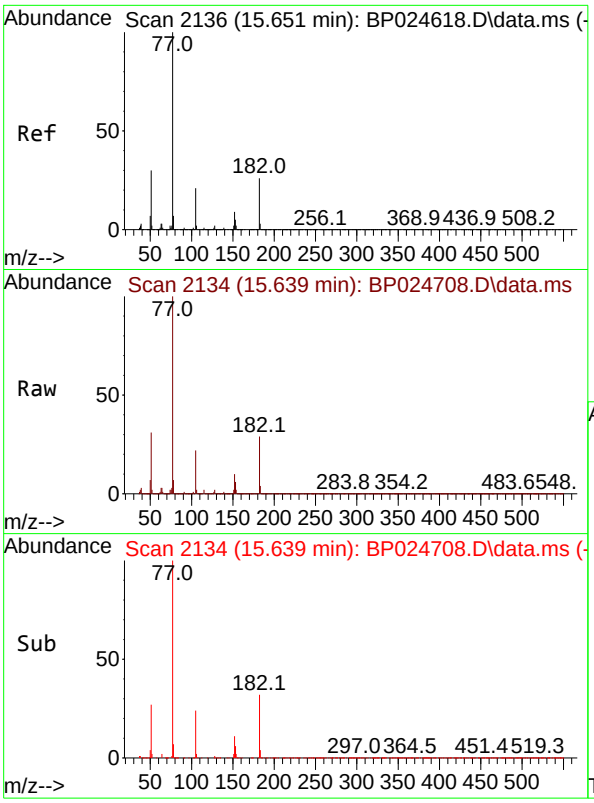


#62
4-Nitroaniline
Concen: 43.760 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:138 Resp: 228988

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.2	69.2
108	90.5	69.0	109.0



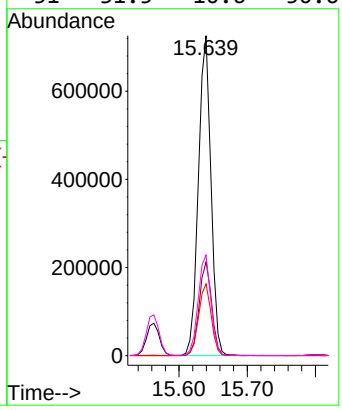


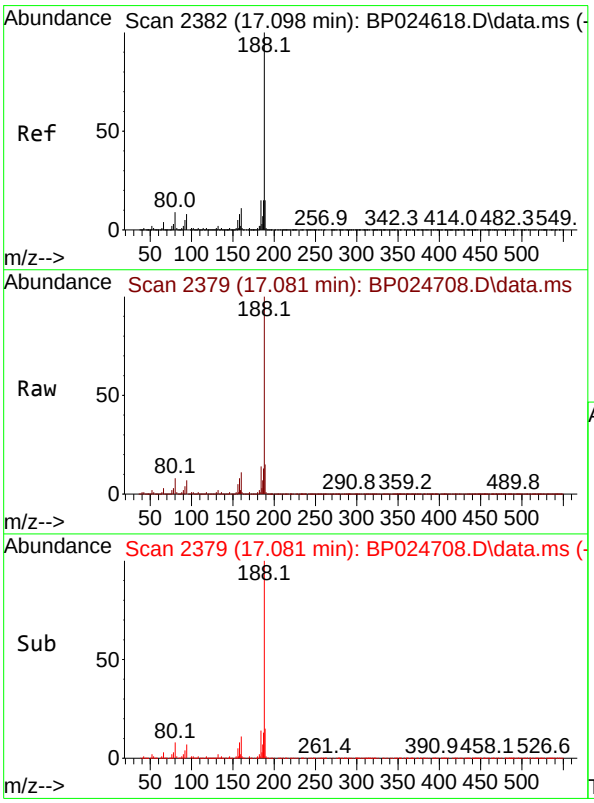
#63
Azobenzene
Concen: 42.749 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion: 77 Resp: 928905

Ion	Ratio	Lower	Upper
77	100		
182	29.2	5.7	45.7
105	22.5	1.3	41.3
51	31.5	10.6	50.6

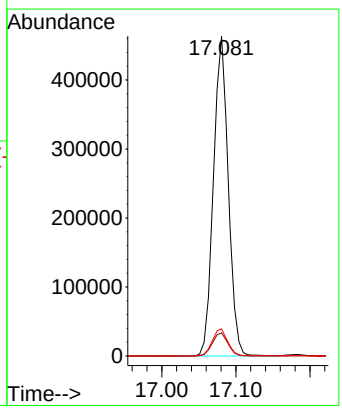


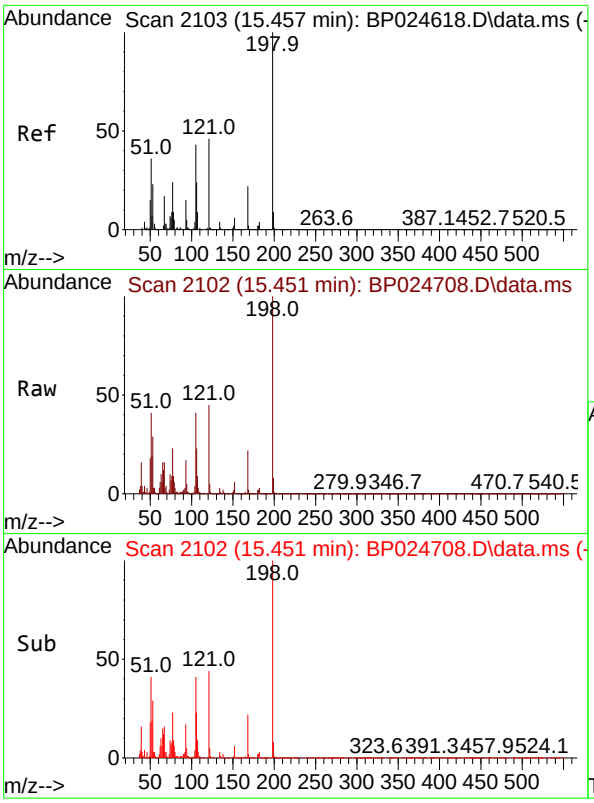


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:188 Resp: 642991

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.5	9.7
80	8.5	7.3	10.9



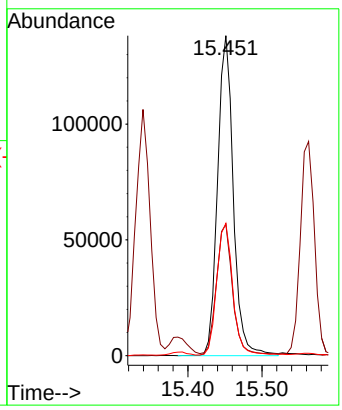


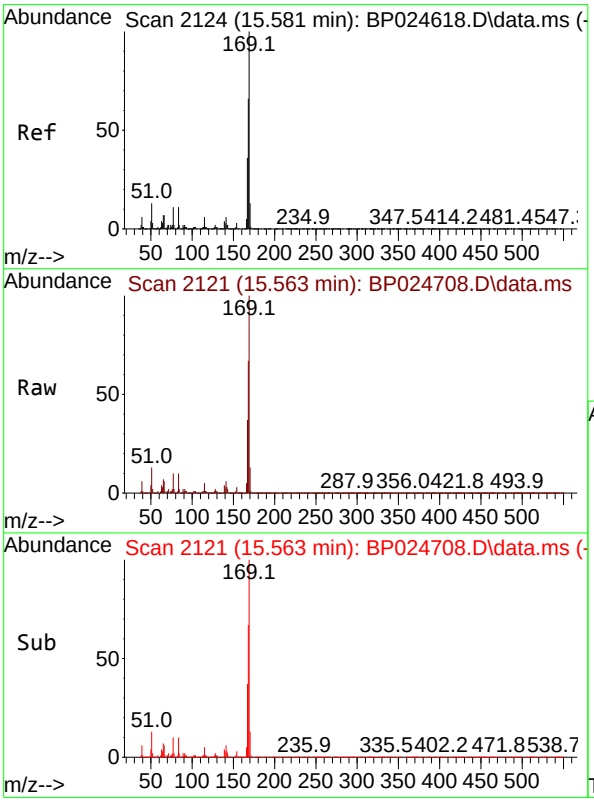
#65
4,6-Dinitro-2-methylphenol
Concen: 49.028 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:198 Resp: 203628

Ion	Ratio	Lower	Upper
198	100		
51	41.0	21.1	61.1
105	41.4	23.6	63.6

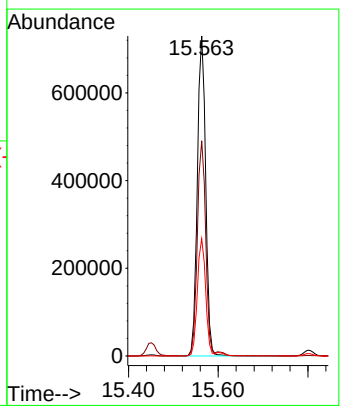


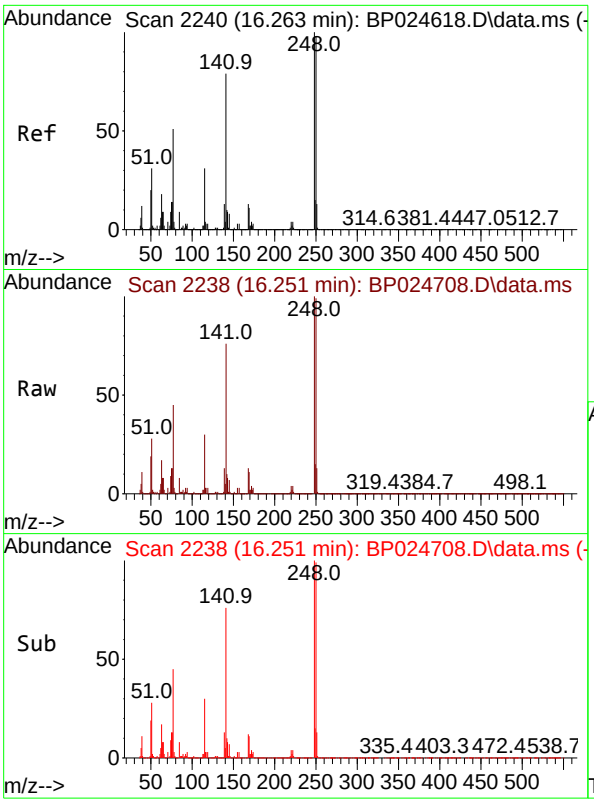


#66
n-Nitrosodiphenylamine
Concen: 47.509 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:169 Resp: 938311

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.2	79.8
167	36.6	28.6	43.0



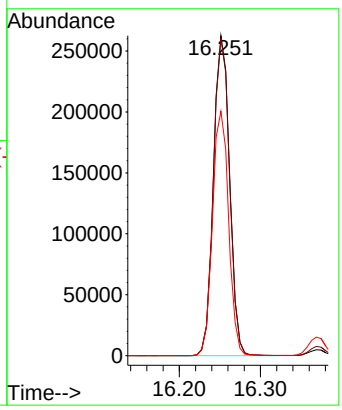


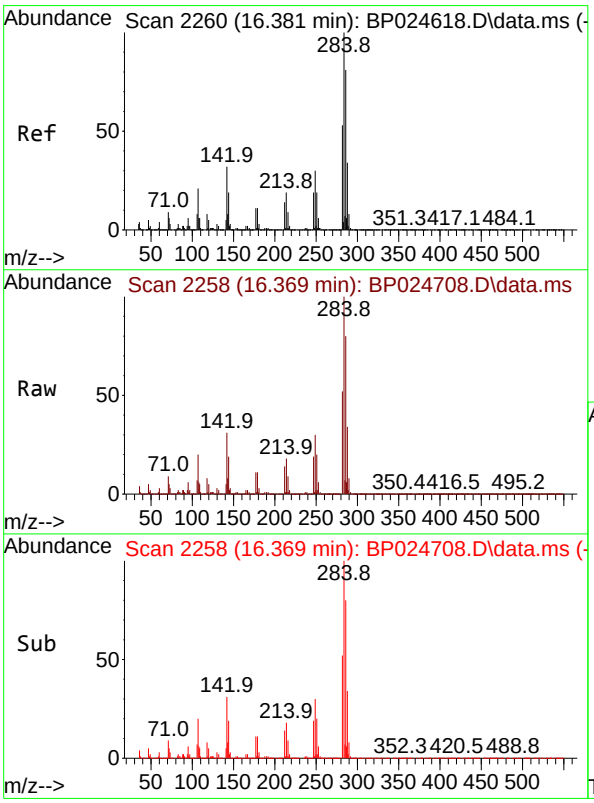
#67
4-Bromophenyl-phenylether
Concen: 48.013 ng
RT: 16.251 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:248 Resp: 363780

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	76.4	63.0	94.6

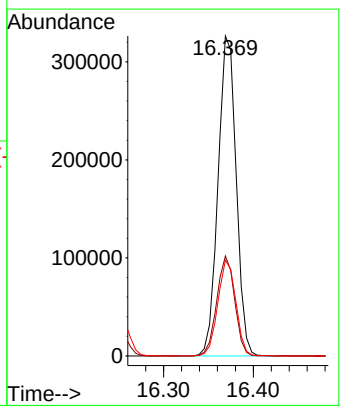


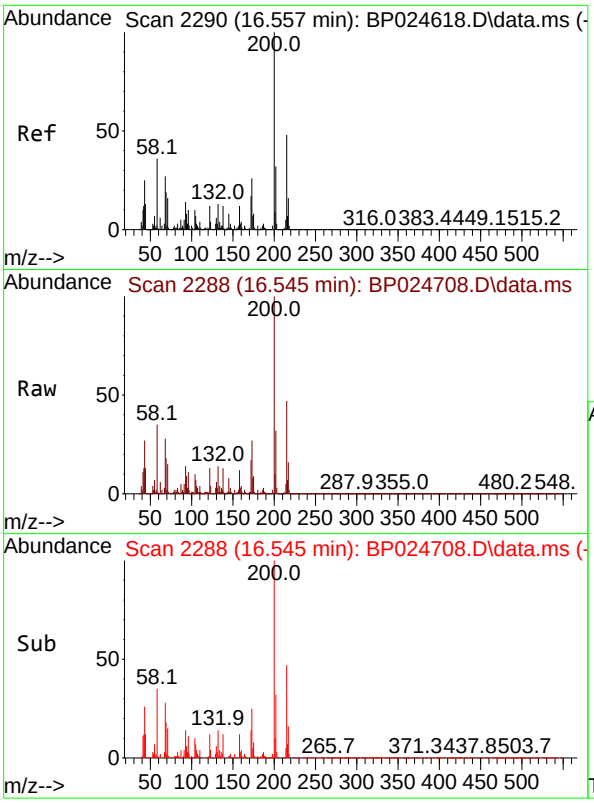


#68
Hexachlorobenzene
Concen: 47.591 ng
RT: 16.369 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:284 Resp: 458184

Ion	Ratio	Lower	Upper
284	100		
142	31.3	25.9	38.9
249	29.9	24.1	36.1



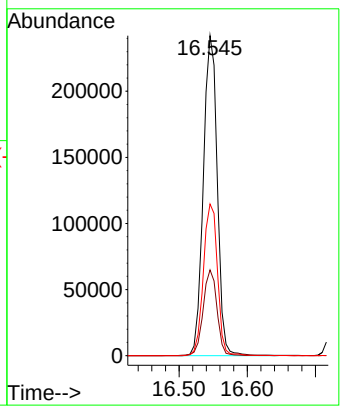


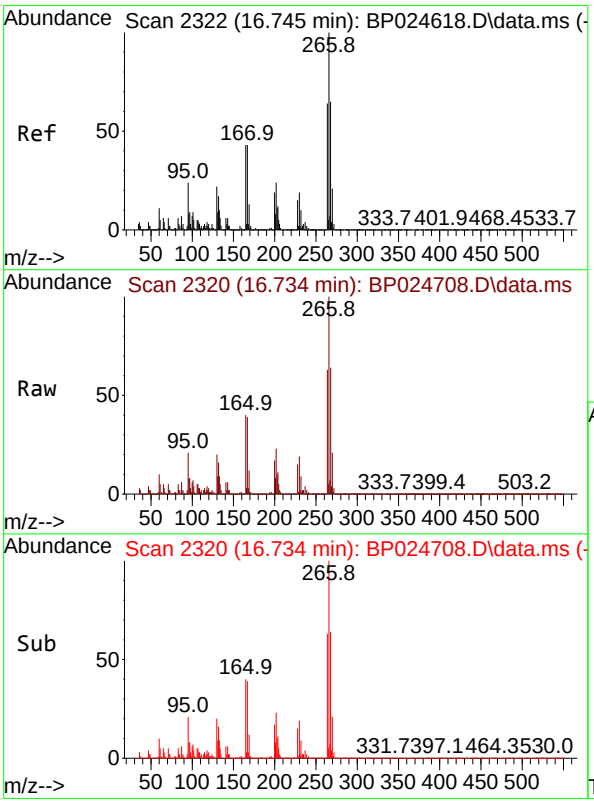
#69
Atrazine
Concen: 47.570 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:200 Resp: 344306

Ion	Ratio	Lower	Upper
200	100		
173	26.8	5.9	45.9
215	47.4	28.3	68.3

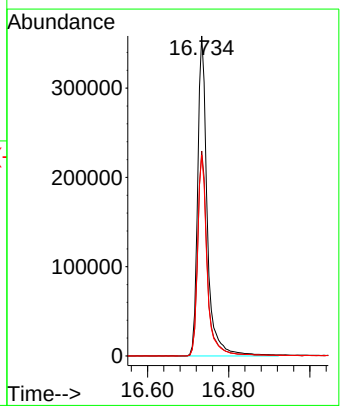


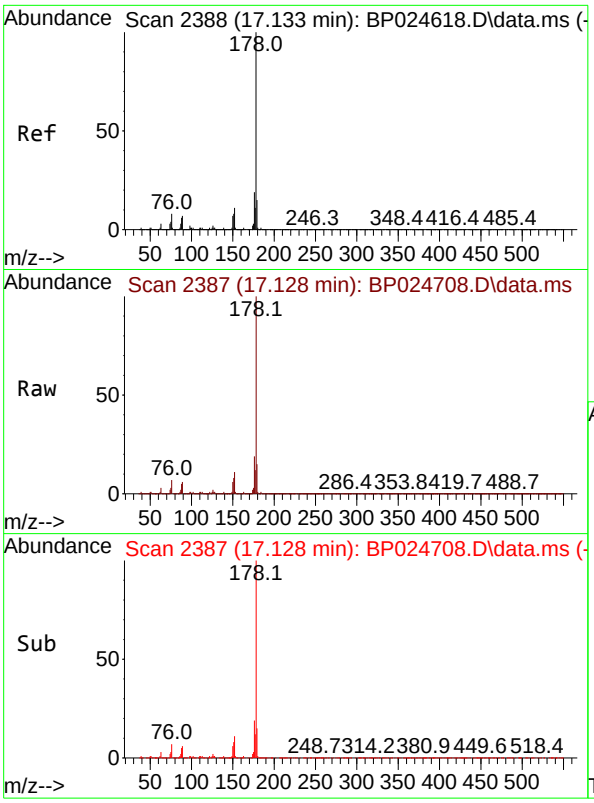


#70
Pentachlorophenol
Concen: 109.332 ng
RT: 16.734 min Scan# 2320
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:266 Resp: 590870

Ion	Ratio	Lower	Upper
266	100		
268	64.1	52.2	78.4
264	62.8	51.1	76.7



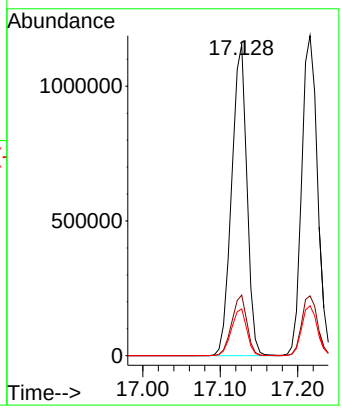


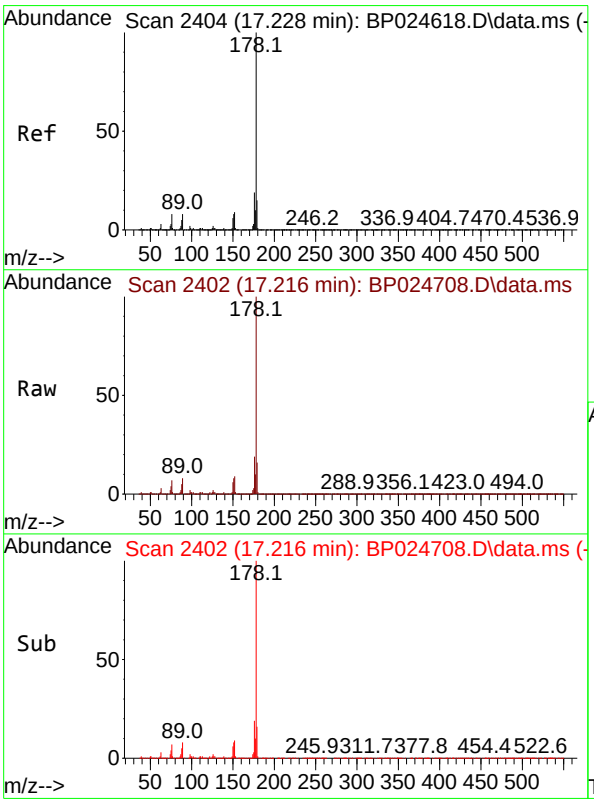
#71
Phenanthrene
Concen: 44.362 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:178 Resp: 1585722

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.0	12.2	18.4

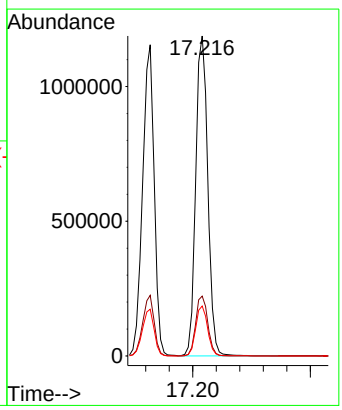


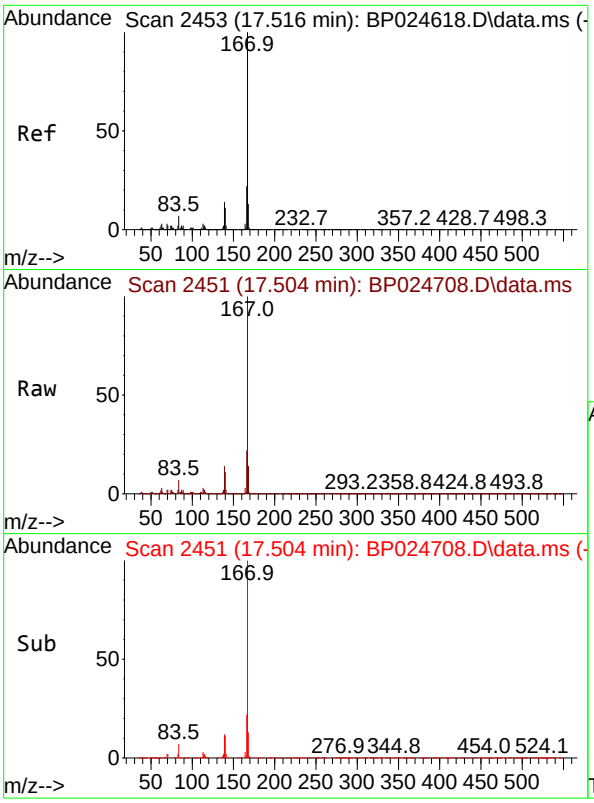


#72
Anthracene
Concen: 46.920 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 1687384

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.2	18.2



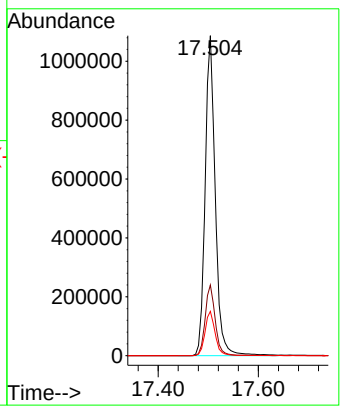


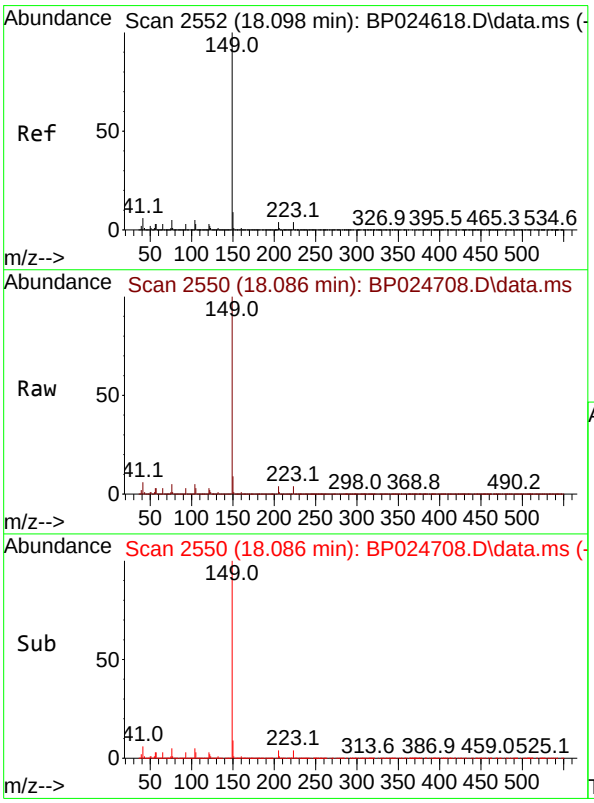
#73
Carbazole
Concen: 46.929 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:167 Resp: 1527551

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	13.9	11.3	16.9

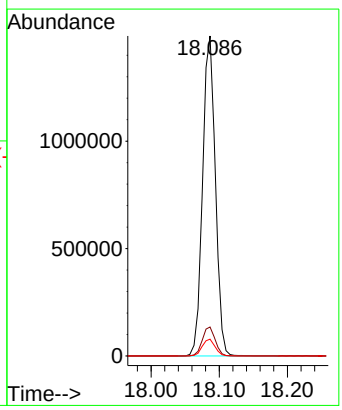


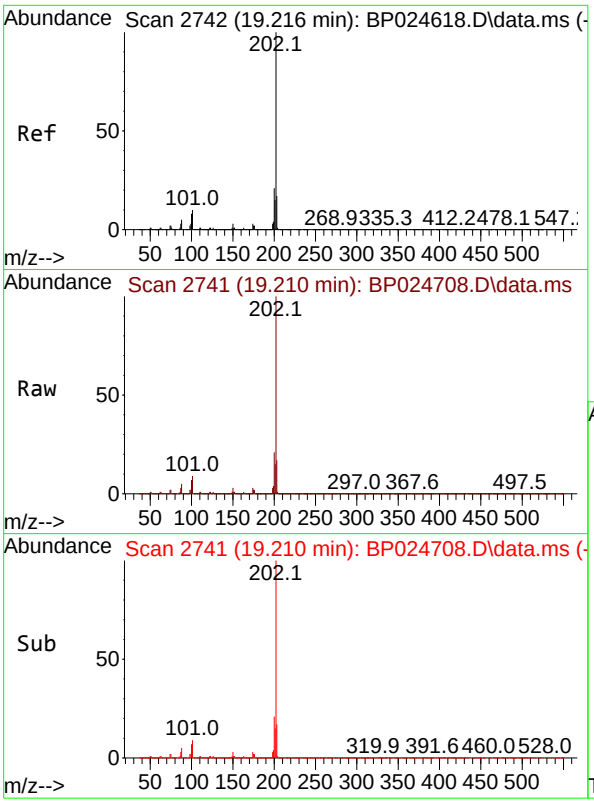


#74
Di-n-butylphthalate
Concen: 46.398 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1942338

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	5.3	4.3	6.5



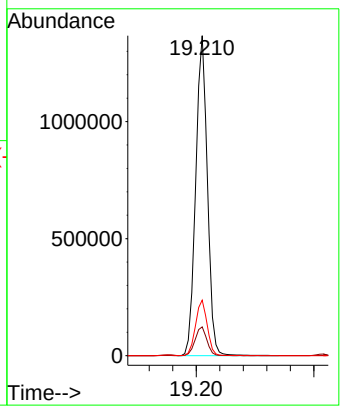


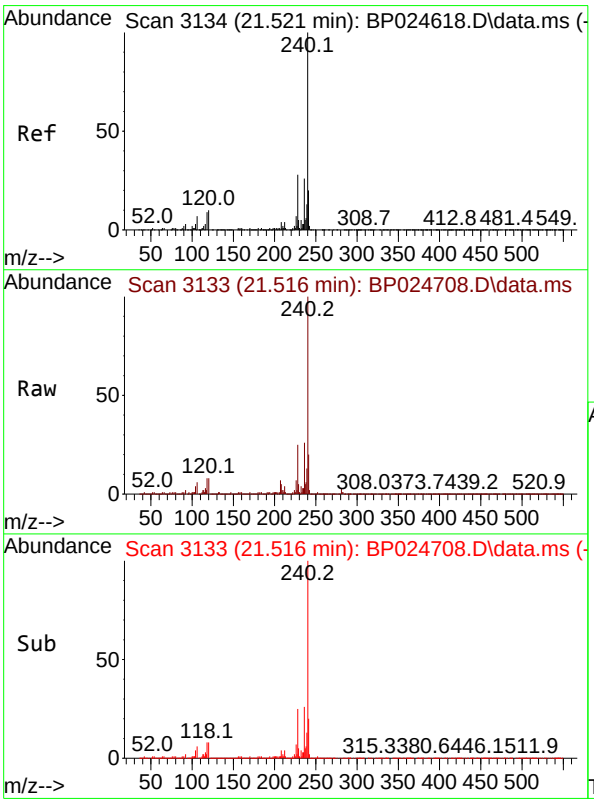
#75
Fluoranthene
Concen: 45.023 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:202 Resp: 1881199

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.3
203	17.4	0.0	37.5

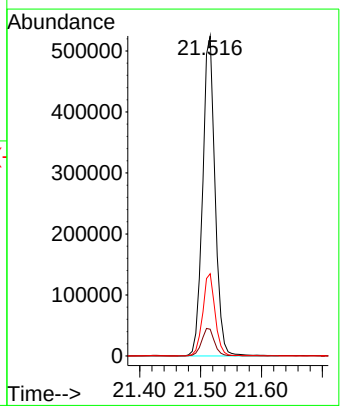


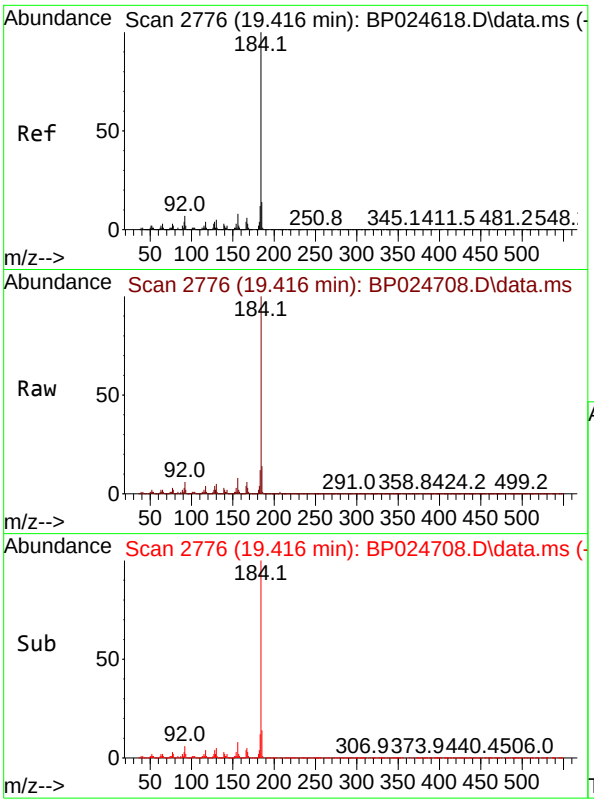


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:240 Resp: 741643

Ion	Ratio	Lower	Upper
240	100		
120	8.4	7.8	11.6
236	25.7	20.6	31.0



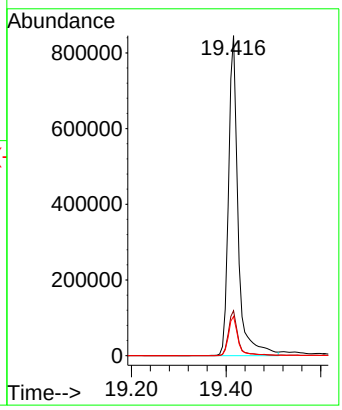


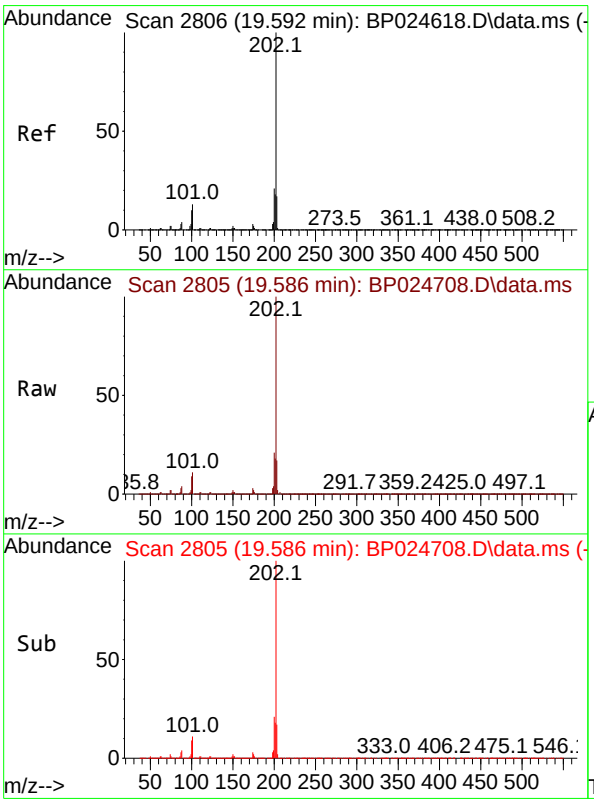
#77
Benzidine
Concen: 58.638 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:184 Resp: 1184443

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.2	16.8
183	12.3	9.8	14.8

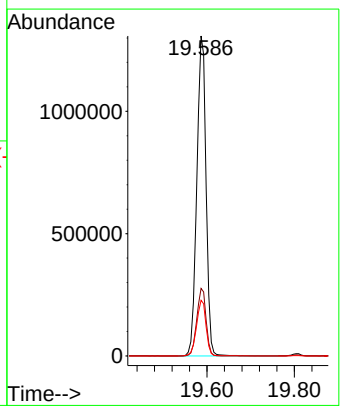


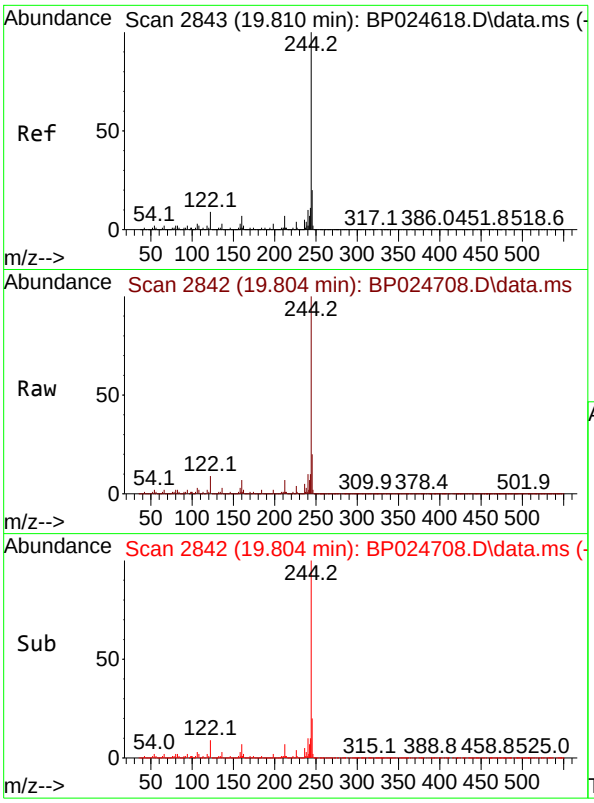


#78
Pyrene
Concen: 43.265 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 1922595

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9



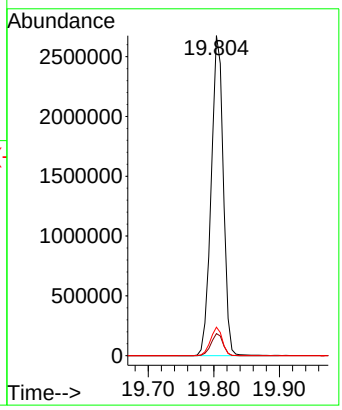


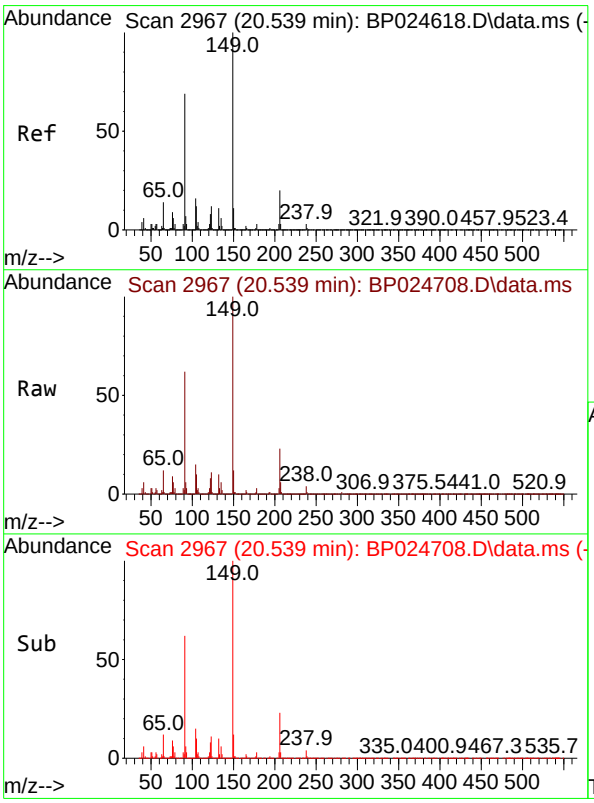
#79
Terphenyl-d14
Concen: 79.393 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:244 Resp: 3433913

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.9	7.4	11.0

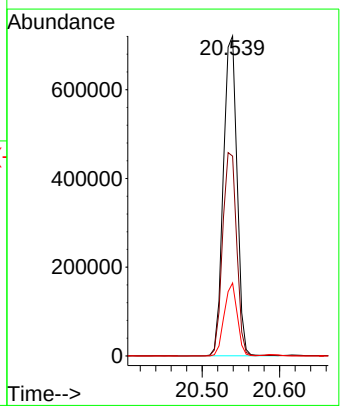


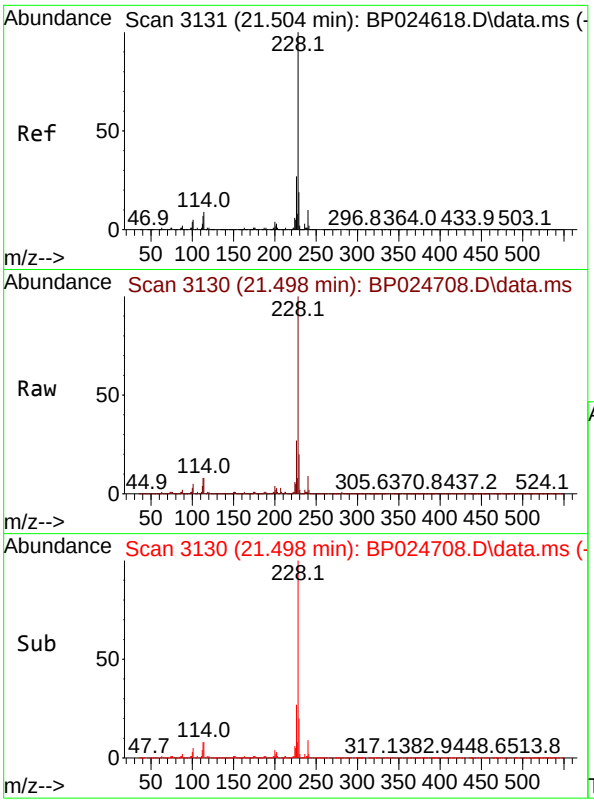


#80
Butylbenzylphthalate
Concen: 44.673 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 882879

Ion	Ratio	Lower	Upper
149	100		
91	62.4	55.4	83.0
206	22.8	16.2	24.2



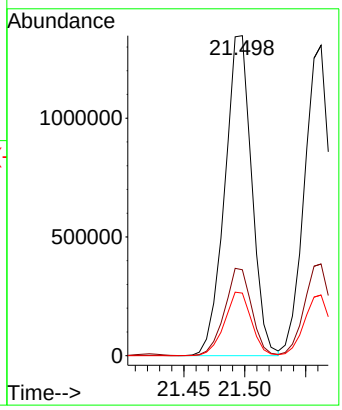


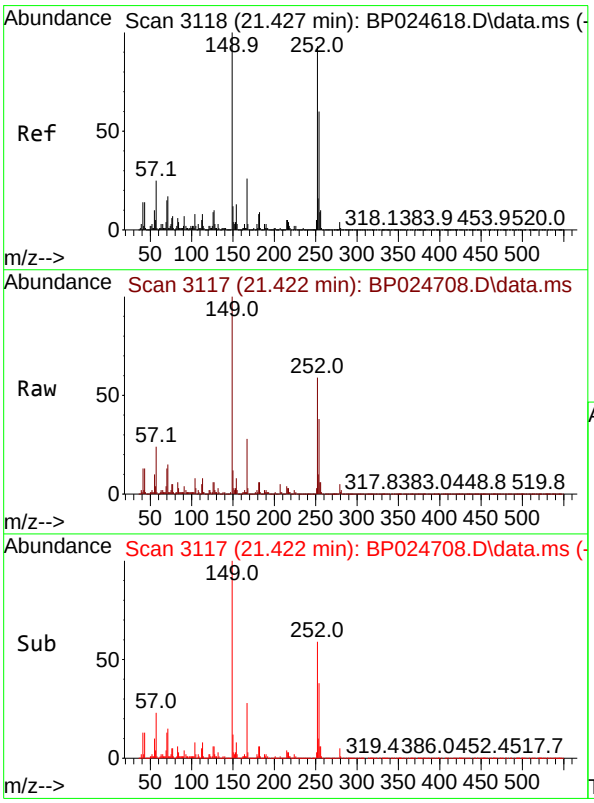
#81
Benzo(a)anthracene
Concen: 44.715 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:228 Resp: 2082335

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	19.5	15.5	23.3

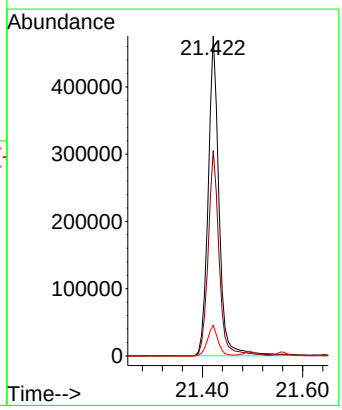


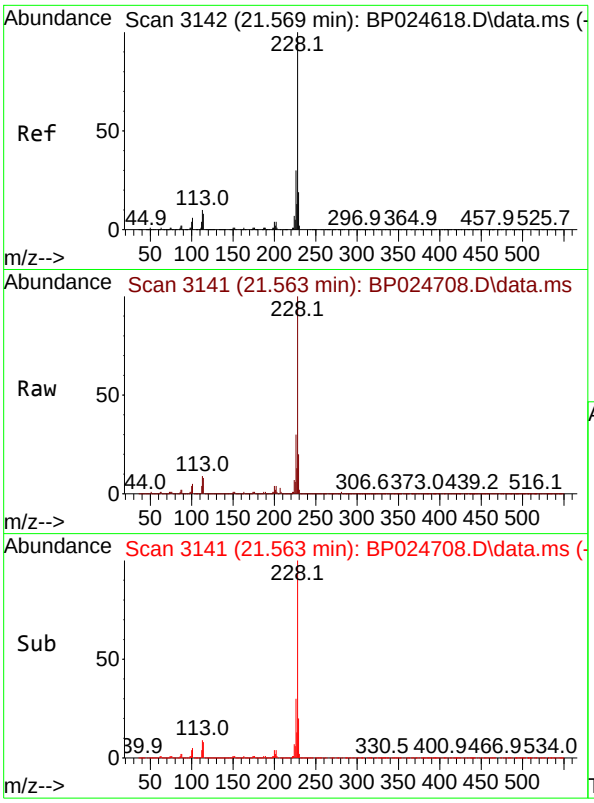


#82
3,3'-Dichlorobenzidine
Concen: 41.258 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 713621

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	9.6	7.7	11.5



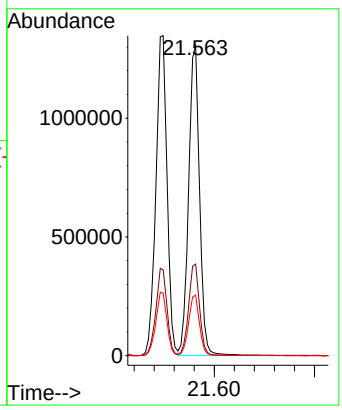


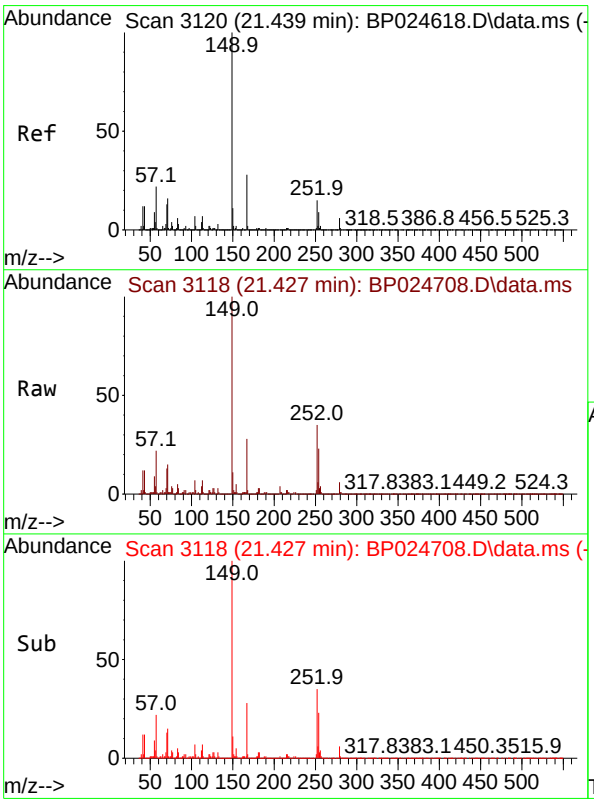
#83
Chrysene
Concen: 44.732 ng
RT: 21.563 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:228 Resp: 1974706

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	19.5	15.5	23.3

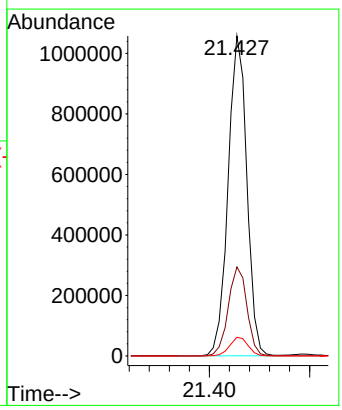


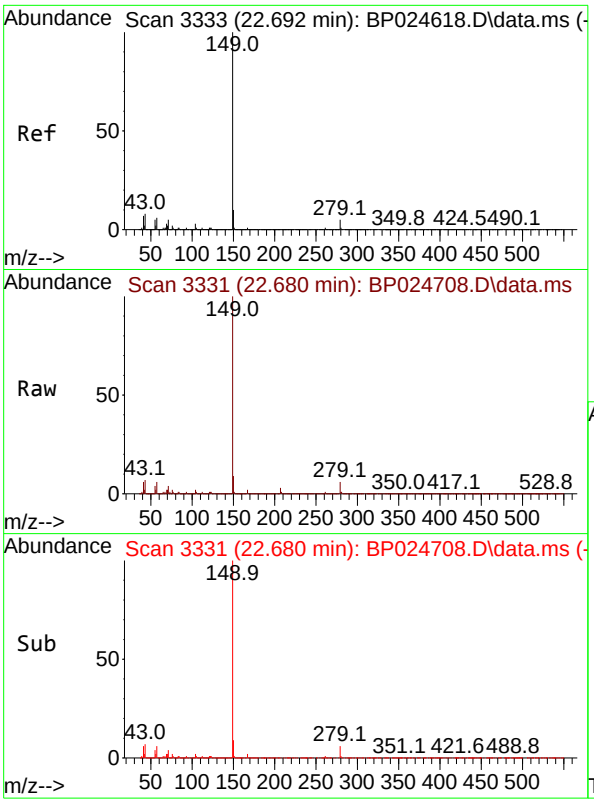


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.173 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1370288

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	5.8	4.6	6.8



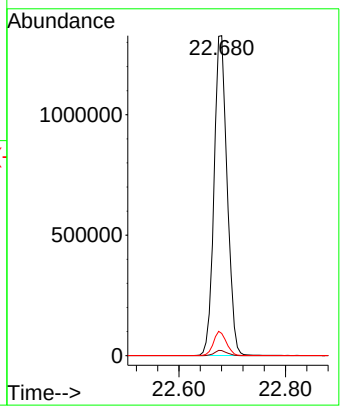


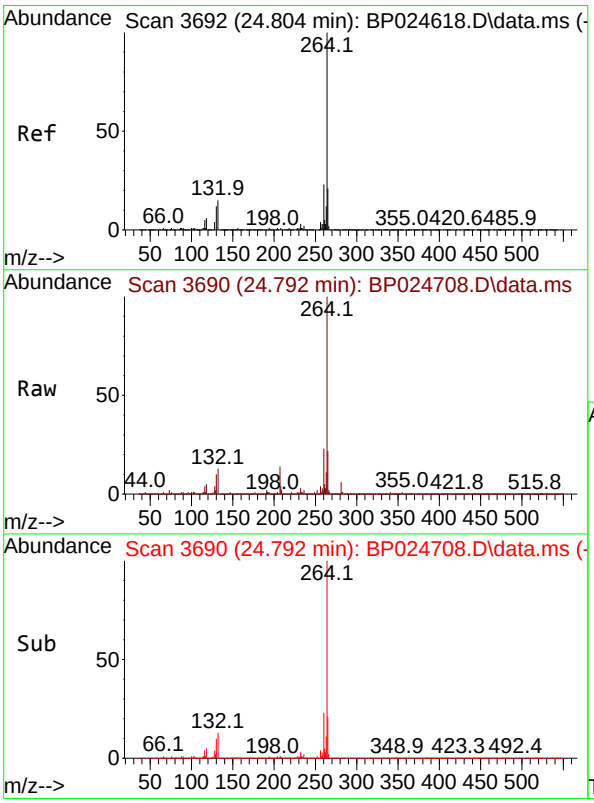
#85
Di-n-octyl phthalate
Concen: 47.662 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:149 Resp: 2264072

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.3	9.5

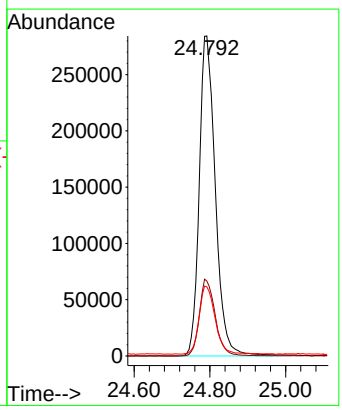


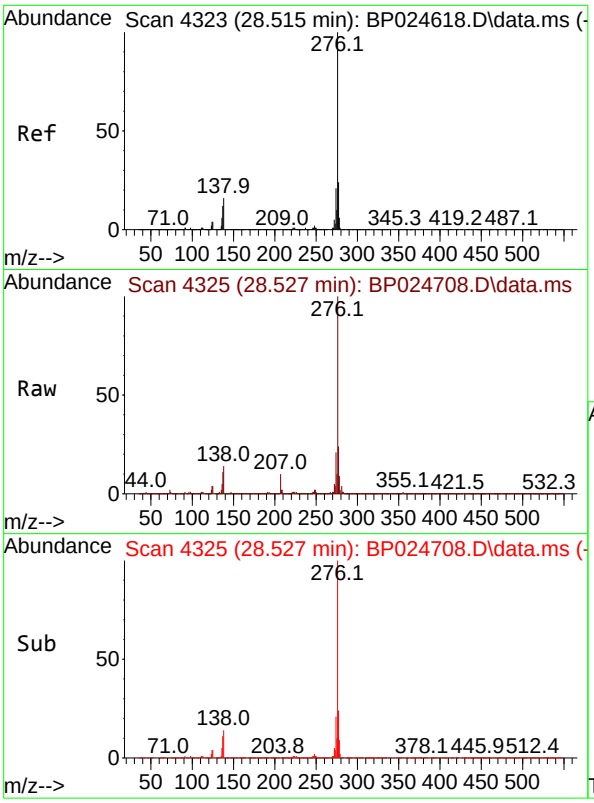


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:264 Resp: 838594

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.6	17.0	25.6



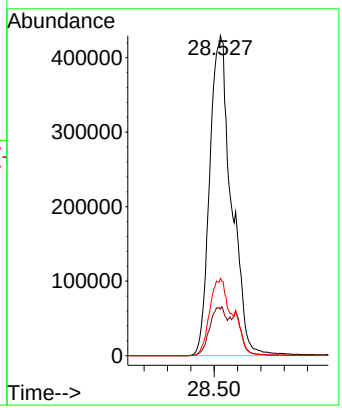


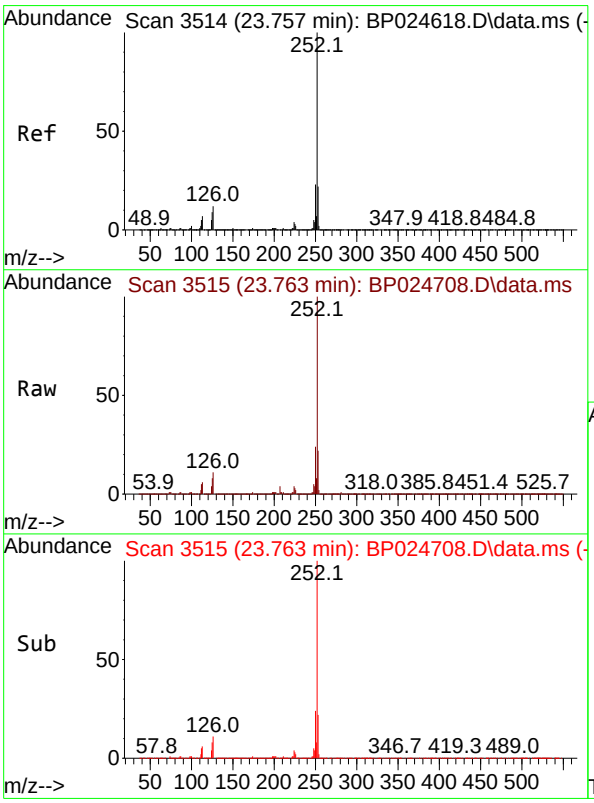
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.368 ng
RT: 28.527 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:276 Resp: 2777529

Ion	Ratio	Lower	Upper
276	100		
138	11.3	11.2	16.8
277	21.2	15.7	23.5

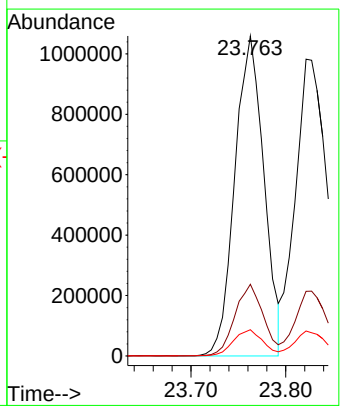


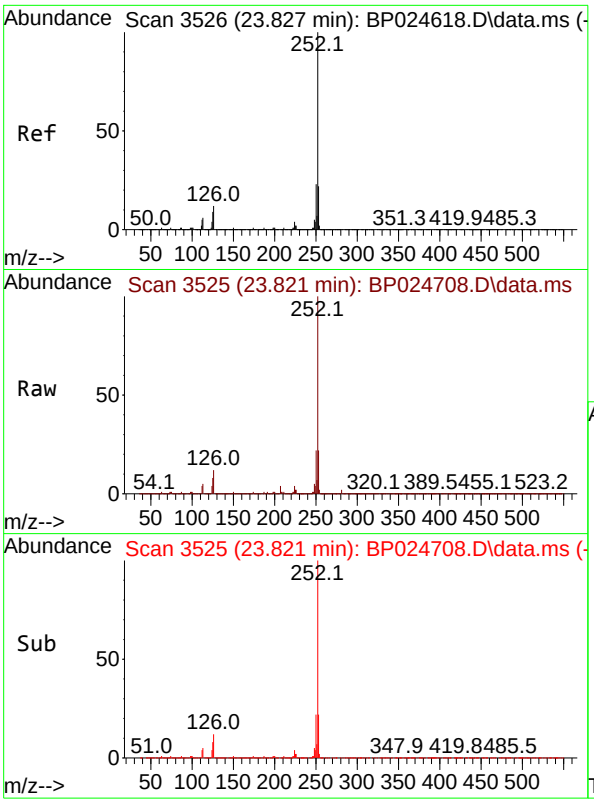


#88
Benzo(b)fluoranthene
Concen: 47.041 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2257968

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	8.2	7.5	11.3



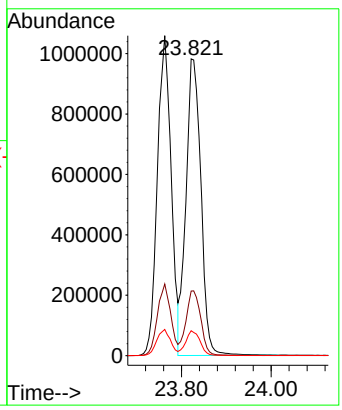


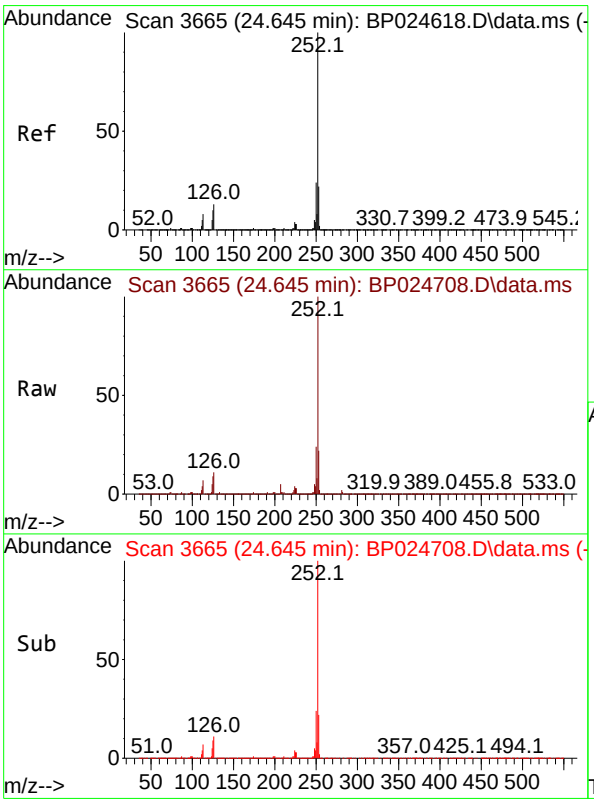
#89
Benzo(k)fluoranthene
Concen: 45.885 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:252 Resp: 2269488

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.4	7.0	10.4

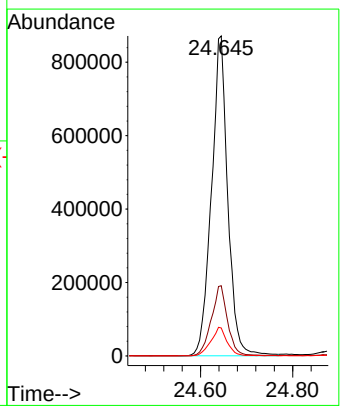


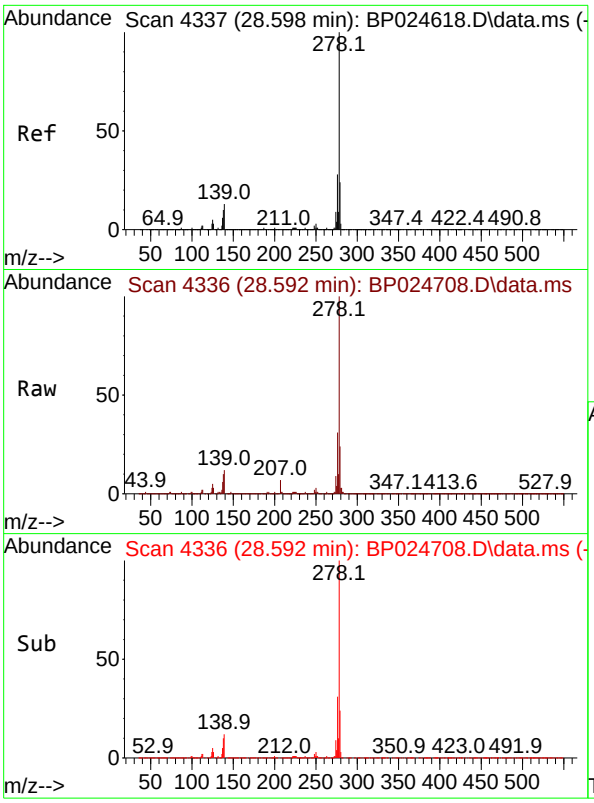


#90
Benzo(a)pyrene
Concen: 46.387 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2138419

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.8	8.1	12.1



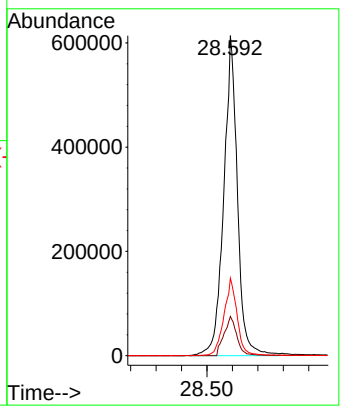


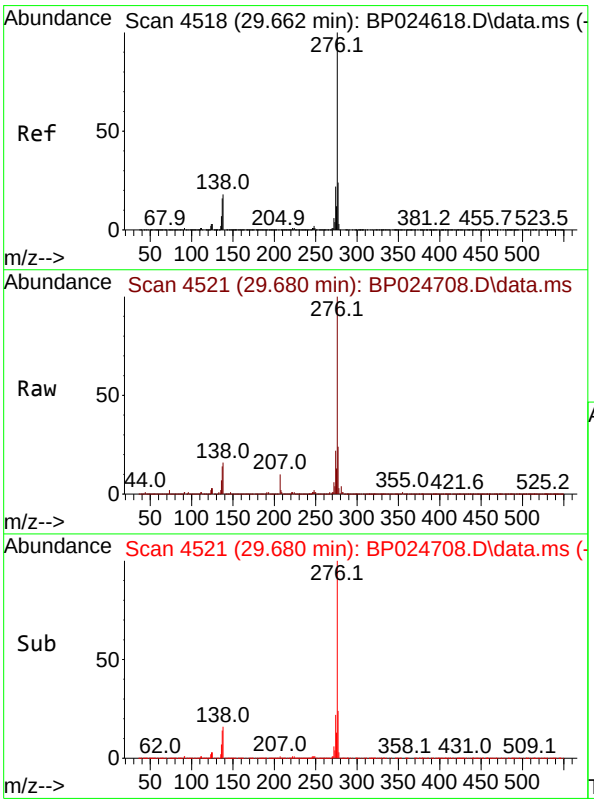
#91
Dibenzo(a,h)anthracene
Concen: 45.992 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Instrument :
BNA_P
ClientSampleId :
PB168048BSD

Tgt Ion:278 Resp: 2290677

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.2	15.4
279	24.2	19.0	28.4

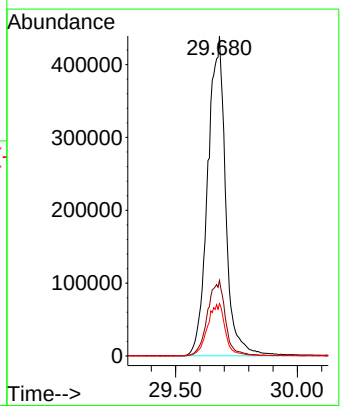




#92
Benzo(g,h,i)perylene
Concen: 44.853 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 2221548

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	16.4	14.4	21.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	105097	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	405523	20.000	ng	0.00
39) Acenaphthene-d10	14.287	164	295391	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	588501	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	654045	20.000	ng	0.00
86) Perylene-d12	24.804	264	776769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	321274	52.285	ng	0.00
7) Phenol-d6	6.863	99	225266	28.724	ng	0.01
23) Nitrobenzene-d5	8.804	82	562144	70.041	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	807969	161.344	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1585933	70.340	ng	0.00
79) Terphenyl-d14	19.810	244	3701032	97.029	ng	0.00
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	9.793	122	17351	2.843	ng	# 2
32) Benzoic acid	9.793	122	17351	10.917	ng	85
54) 2,4-Dinitrophenol	14.398	184	9	6.404	ng	# 1
56) 4-Nitrophenol	14.545	139	24	4.240	ng	# 1
63) Azobenzene	15.675	77	39714	2.040	ng	# 1

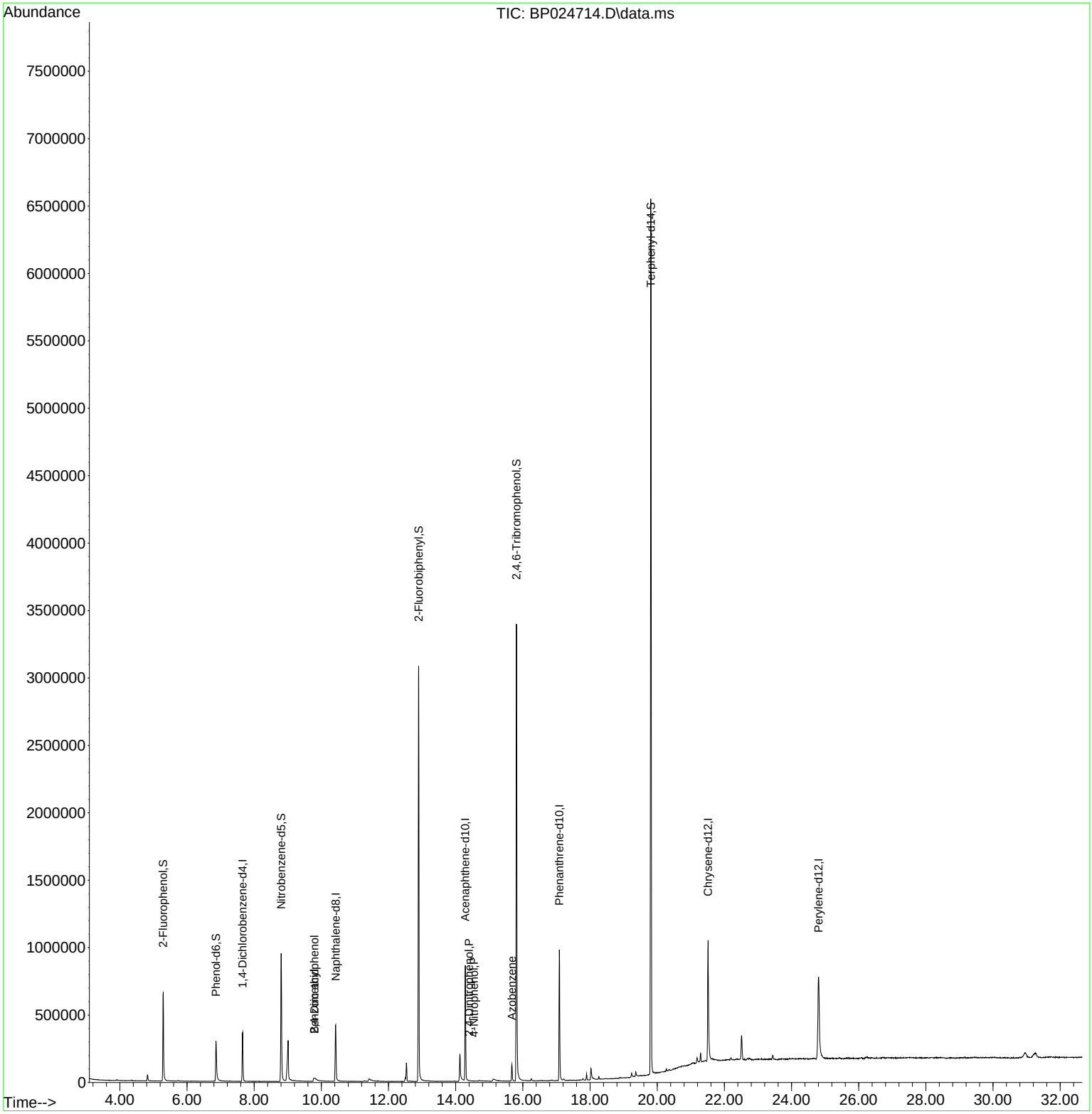
(#) = qualifier out of range (m) = manual integration (+) = signals summed

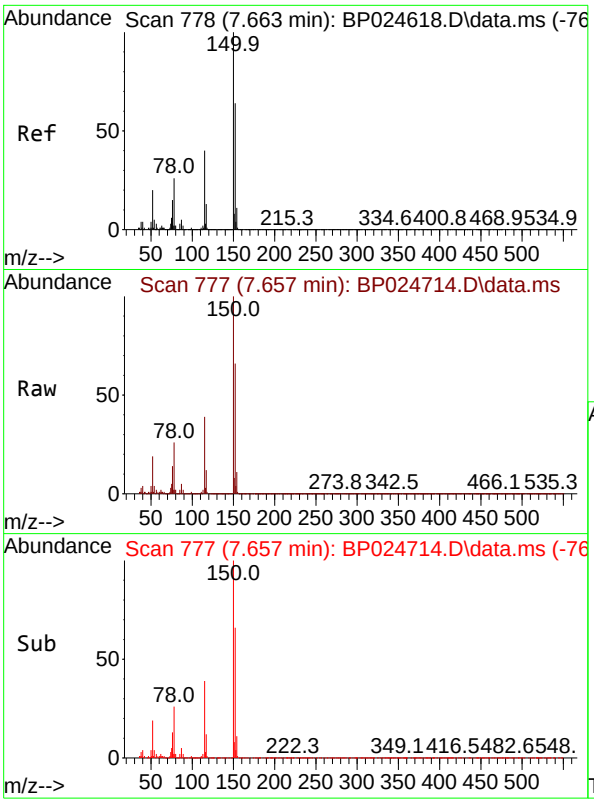
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



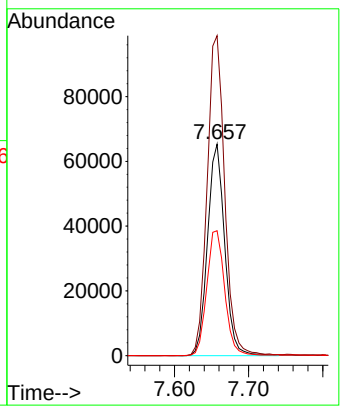


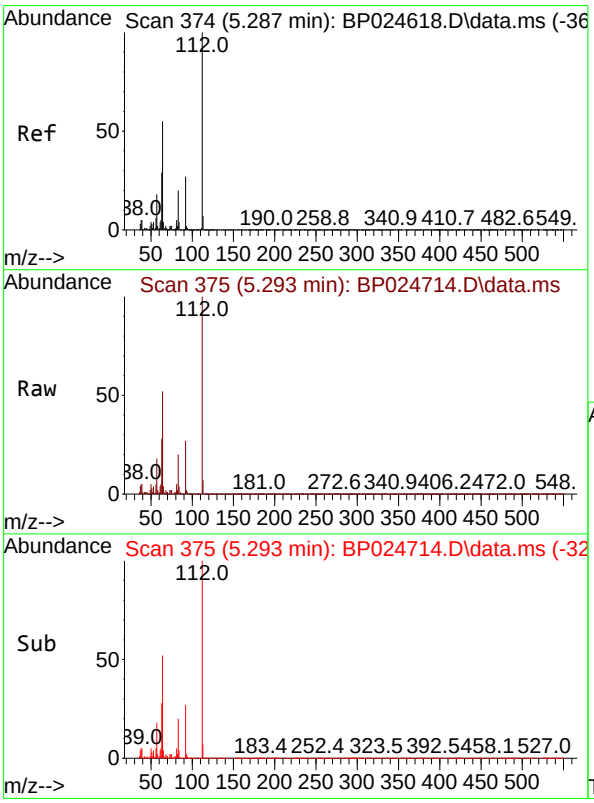
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:152 Resp: 105097

Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.9	188.9
115	59.0	50.1	75.1

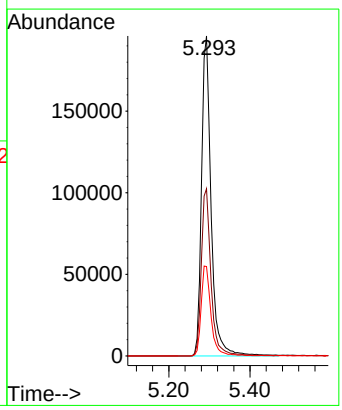


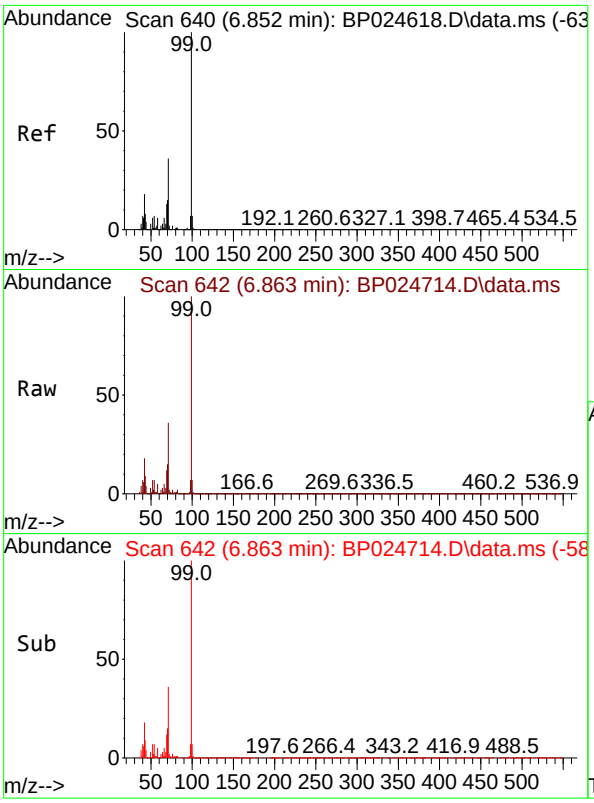


#5
2-Fluorophenol
Concen: 52.285 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:112 Resp: 321274

Ion	Ratio	Lower	Upper
112	100		
64	52.3	44.1	66.1
63	28.0	23.5	35.3



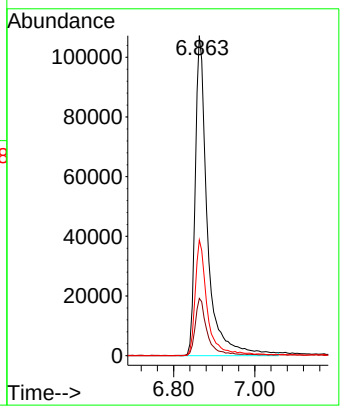


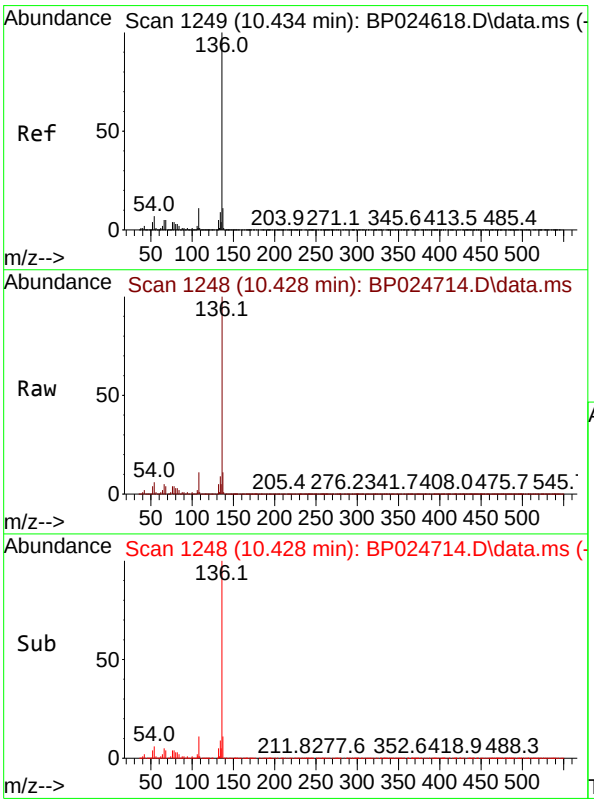
#7
Phenol-d6
Concen: 28.724 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion: 99 Resp: 225266

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.4	21.6
71	36.1	29.2	43.8

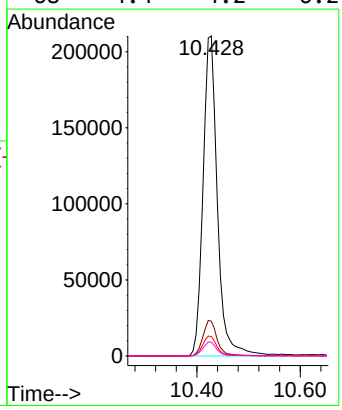


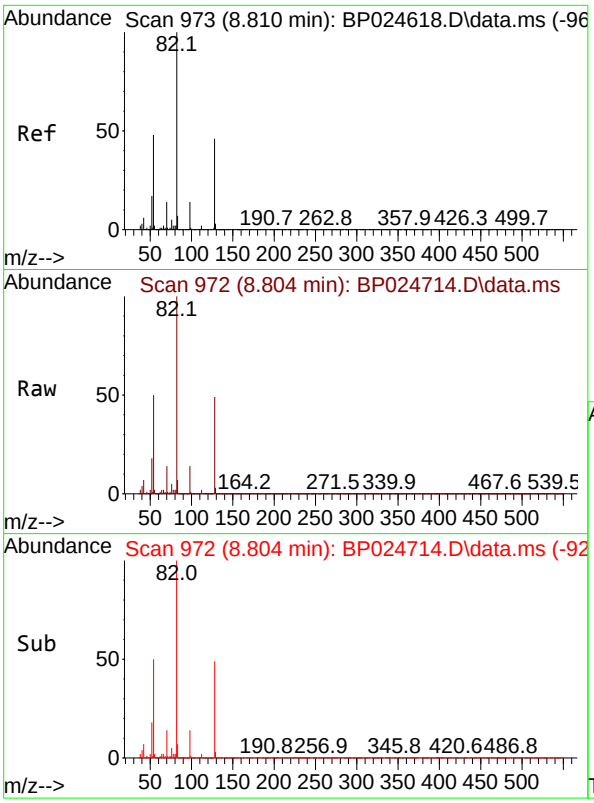


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:136 Resp: 405523

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.1	5.5	8.3
68	4.4	4.2	6.2



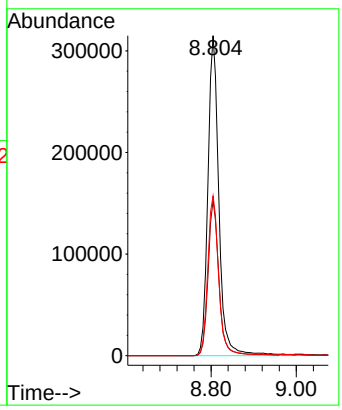


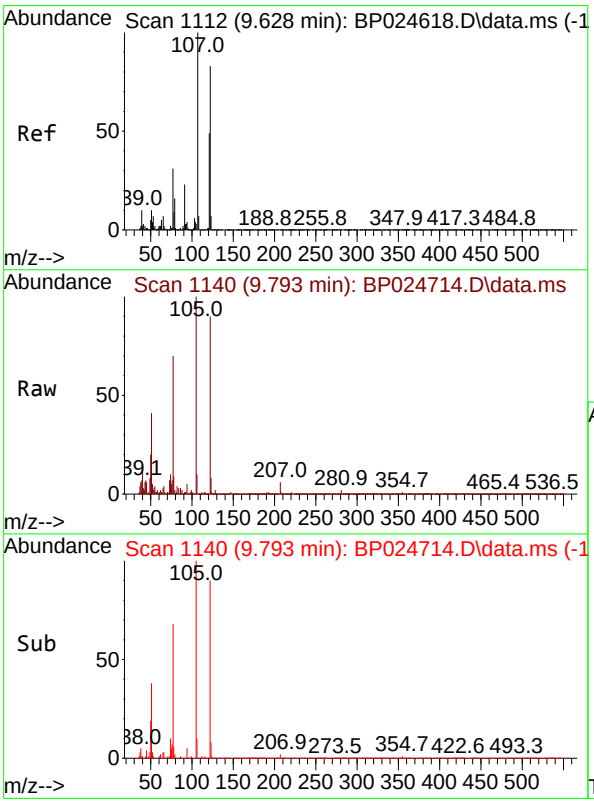
#23
Nitrobenzene-d5
Concen: 70.041 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion: 82 Resp: 562144

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.0	55.4
54	50.0	38.7	58.1

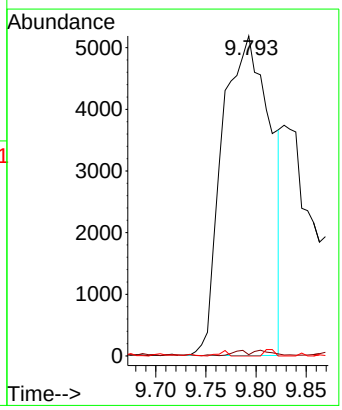


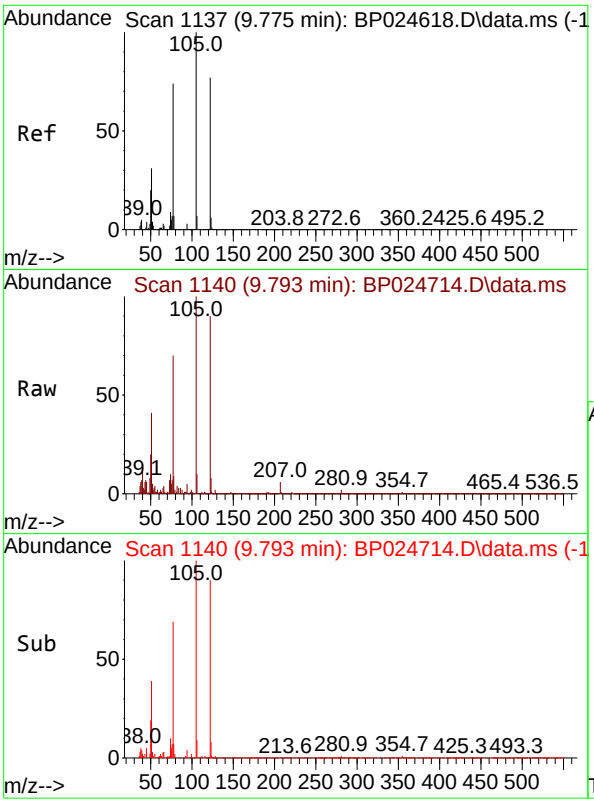


#27
2,4-Dimethylphenol
Concen: 2.843 ng
RT: 9.793 min Scan# 1140
Delta R.T. 0.165 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:122 Resp: 17351

Ion	Ratio	Lower	Upper
122	100		
107	0.4	96.2	144.2#
121	0.0	47.6	71.4#



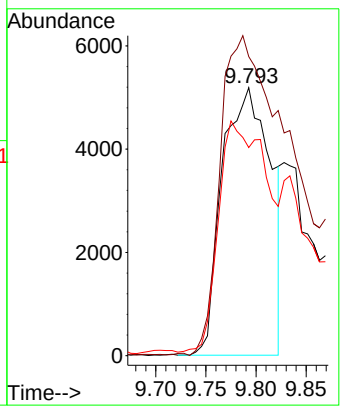


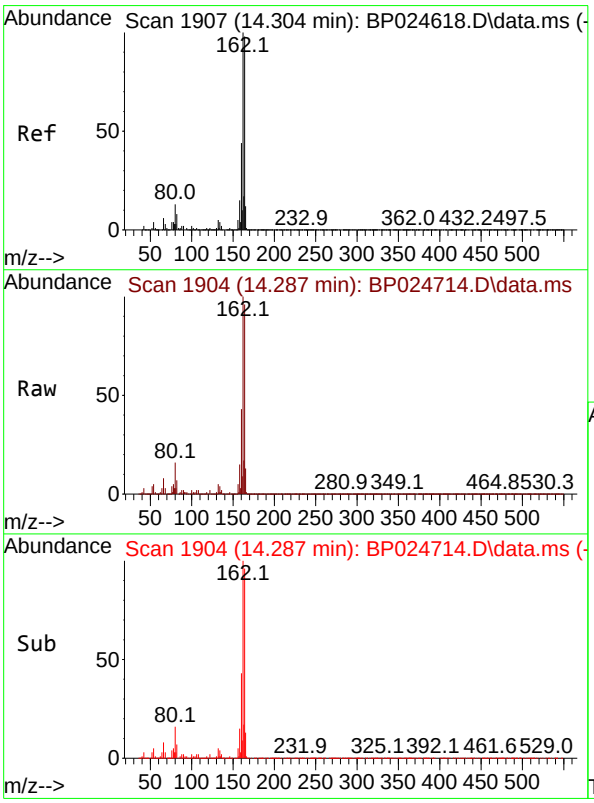
#32
Benzoic acid
Concen: 10.917 ng
RT: 9.793 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:122 Resp: 17351

Ion	Ratio	Lower	Upper
122	100		
105	111.6	106.9	146.9
77	77.7	75.1	115.1

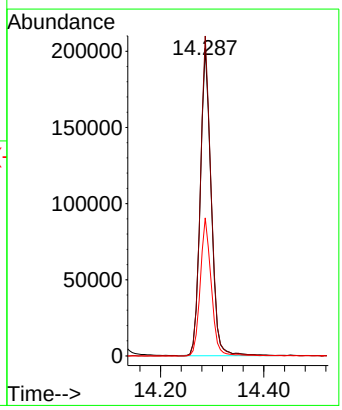


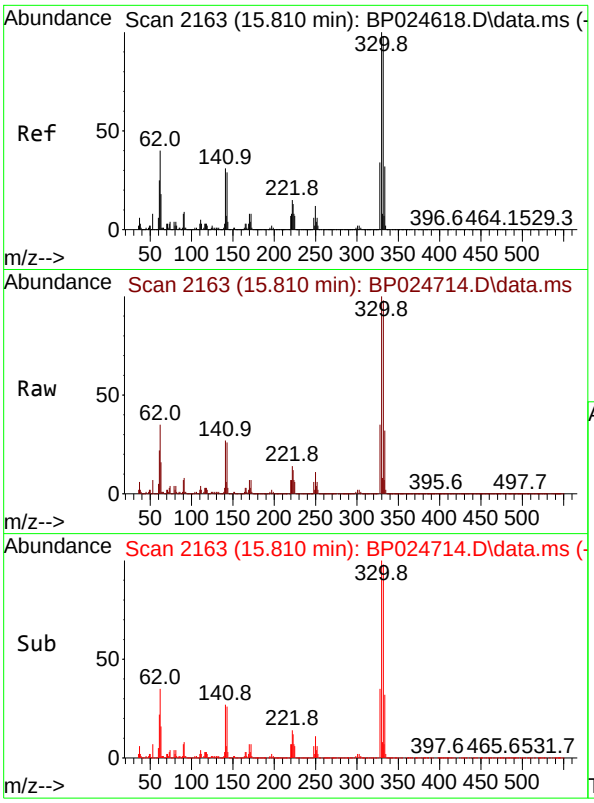


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:164 Resp: 295391

Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.8	122.6
160	44.9	36.3	54.5



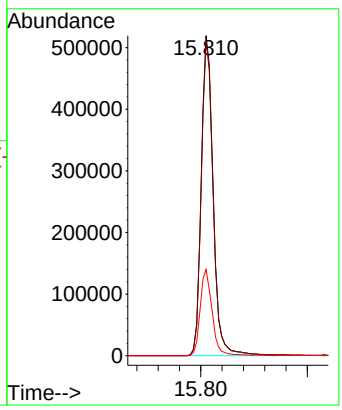


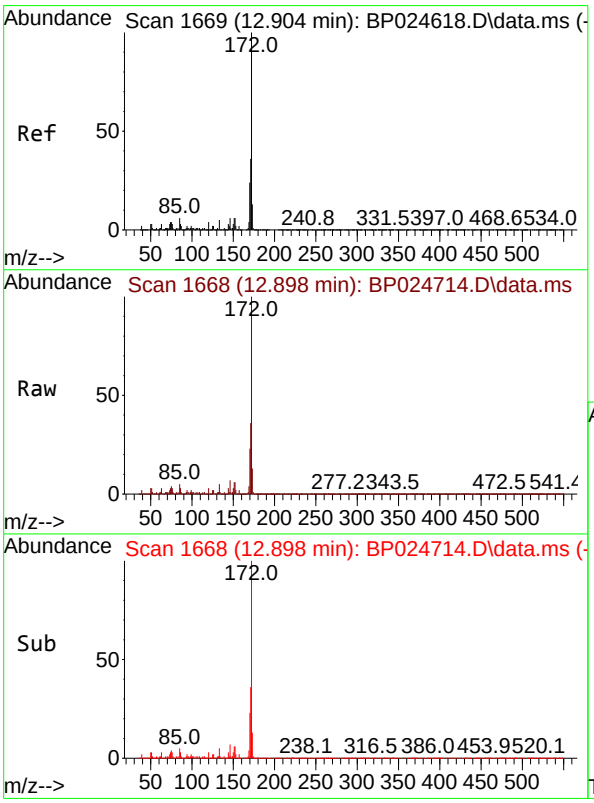
#42
2,4,6-Tribromophenol
Concen: 161.344 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:330 Resp: 807969

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.4
141	26.9	24.3	36.5

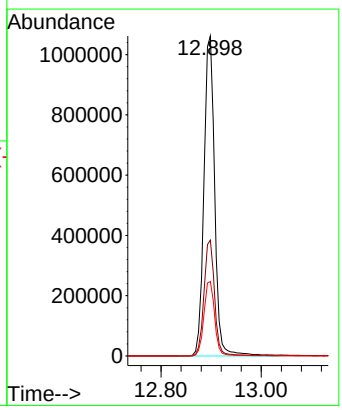


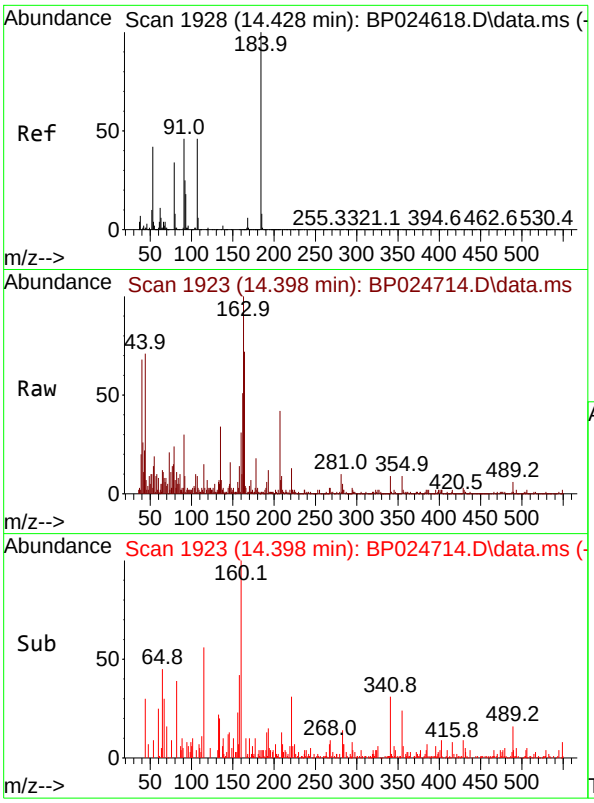


#45
2-Fluorobiphenyl
Concen: 70.340 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:172 Resp: 1585933

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	23.2	18.8	28.2



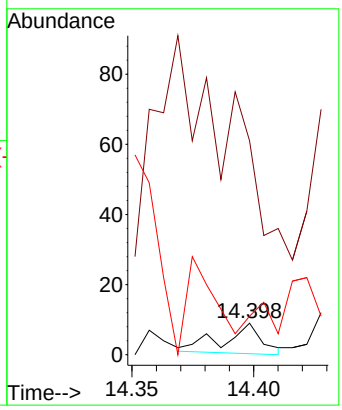


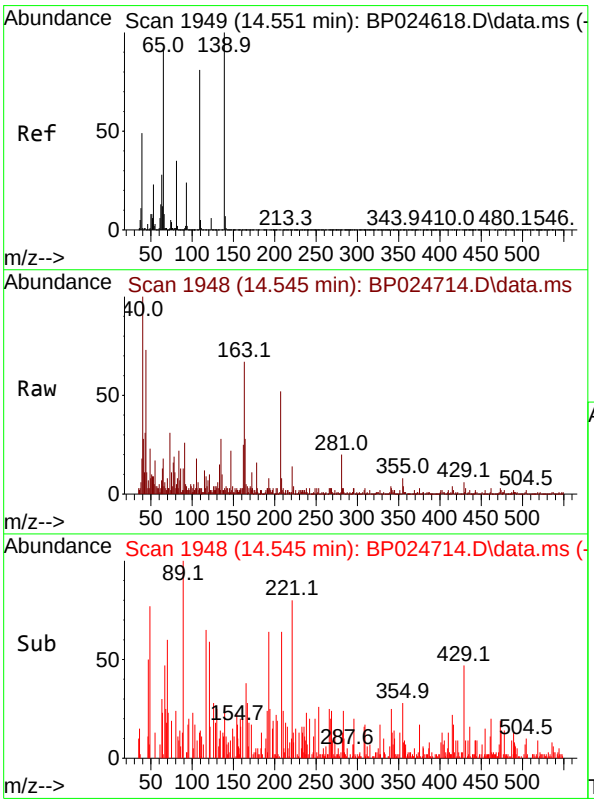
#54
2,4-Dinitrophenol
Concen: 6.404 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:184 Resp: 9

Ion	Ratio	Lower	Upper
184	100		
63	677.8	51.3	76.9#
154	122.2	53.5	80.3#

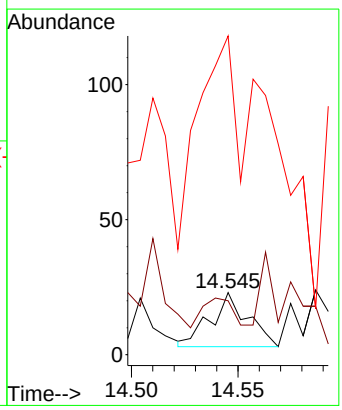


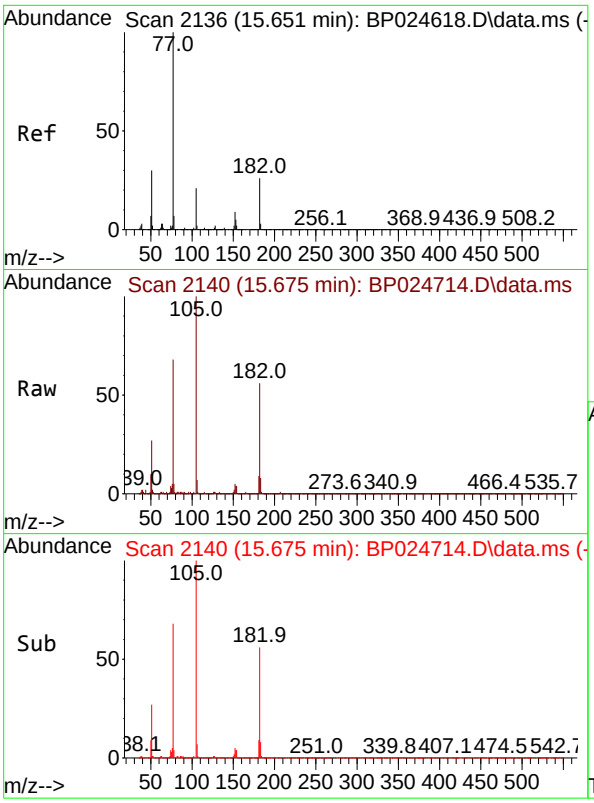


#56
4-Nitrophenol
Concen: 4.240 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:139 Resp: 24

Ion	Ratio	Lower	Upper
139	100		
109	87.0	61.4	101.4
65	513.0	72.2	112.2#



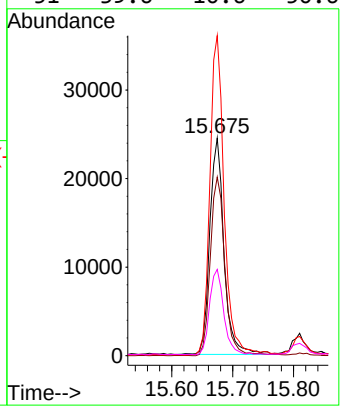


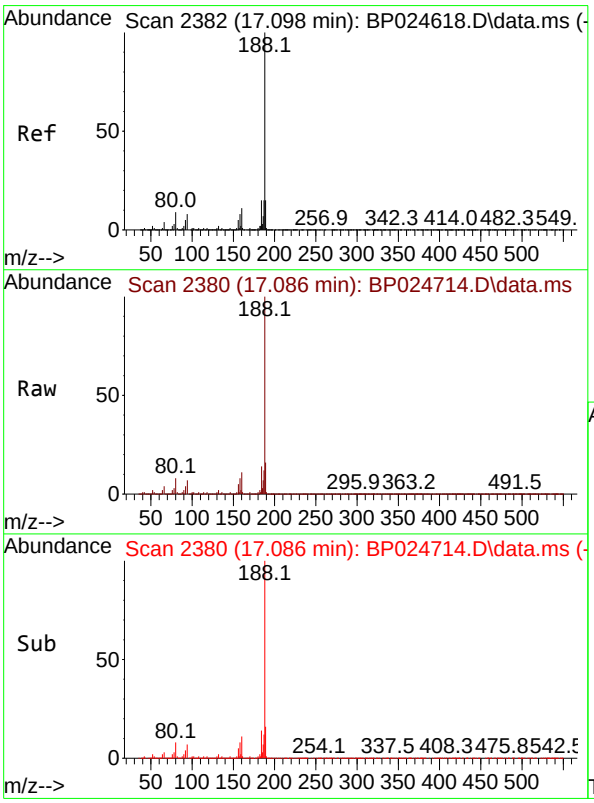
#63
Azobenzene
Concen: 2.040 ng
RT: 15.675 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion: 77 Resp: 39714

Ion	Ratio	Lower	Upper
77	100		
182	82.1	5.7	45.7#
105	147.1	1.3	41.3#
51	39.6	10.6	50.6

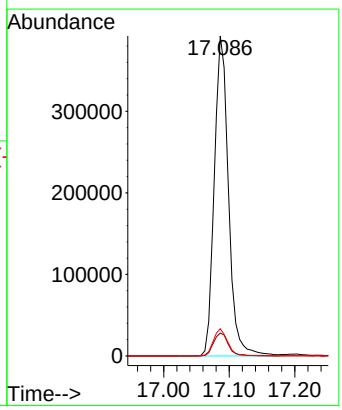


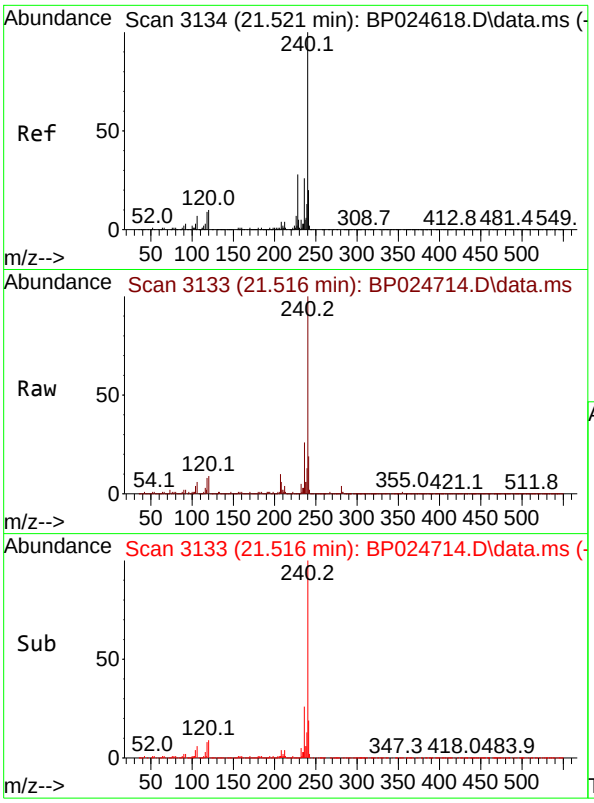


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:188 Resp: 588501

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.5	9.7
80	8.5	7.3	10.9



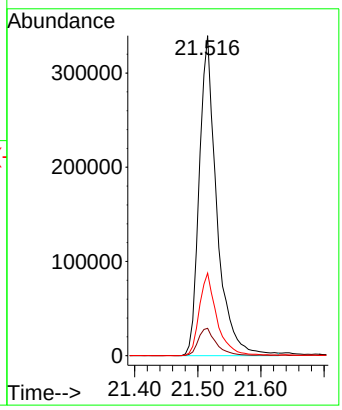


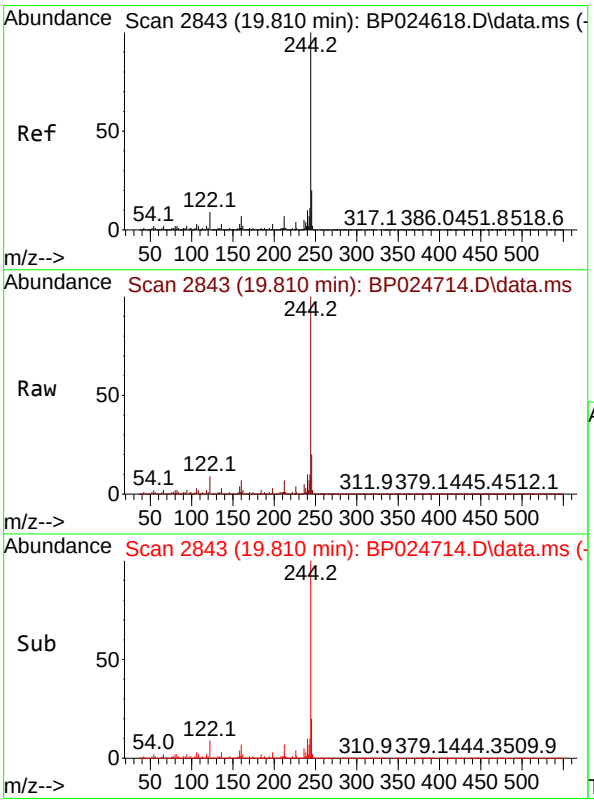
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:240 Resp: 654045

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.8	11.6
236	25.8	20.6	31.0

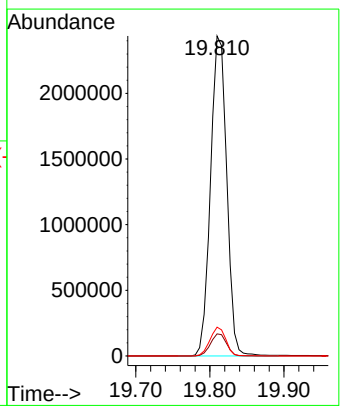


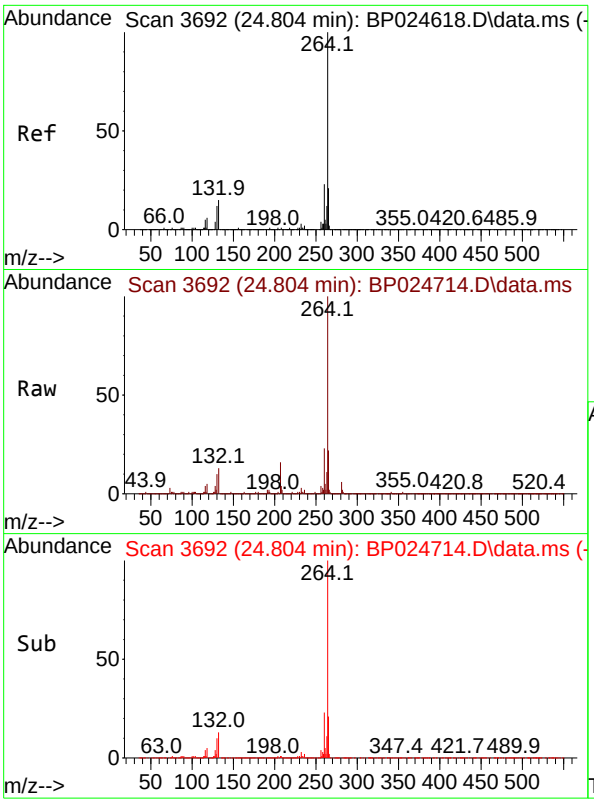


#79
Terphenyl-d14
Concen: 97.029 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:244 Resp: 3701032

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.0	7.4	11.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Instrument :
BNA_P
ClientSampleId :
RW8-SP100-90-20250514

Tgt Ion:264 Resp: 776769

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.9	17.0	25.6