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Cover Page

Order ID : Q2791

Project ID : Monthly 2025

Client : Aramark Uniforms

Lab Sample Number	Client Sample Number
Q2791-01	SLUDGE

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: 8/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2791**

	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: **MAHESH PATEL** **Date:** **08/12/2025**

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LAB CHRONICLE

OrderID:	Q2791	**OrderDate:**	8/7/2025 10:33:00 AM
Client:	Aramark Uniforms	**Project:**	Monthly 2025
Contact:	Tom Dikos	**Location:**	J23

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2791-01	**SLUDGE**	**TCLP**			**08/07/25**			**08/07/25**
			TCLP BNA Group1	8270E		08/08/25	08/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2791

Client: Aramark Uniforms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**SLUDGE**							
Q2791-01	SLUDGE	TCLP	3+4-Methylphenols	170.000		11	100	ug/L
			Total Svoc :	**170.00**				
			Total Concentration:	**170.00**				

QC
SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2791

Client: Aramark Uniforms

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169149TB	PB169149TB	2-Fluorophenol	150	119	79		23	138
		Phenol-d6	150	106	71		10	134
		Nitrobenzene-d5	100	82.0	82		67	132
		2-Fluorobiphenyl	100	78.2	78		52	132
		2,4,6-Tribromophenol	150	142	94		44	137
		Terphenyl-d14	100	76.4	76		42	152
PB169180BL	PB169180BL	2-Fluorophenol	150	124	83		23	138
		Phenol-d6	150	109	73		10	134
		Nitrobenzene-d5	100	86.1	86		67	132
		2-Fluorobiphenyl	100	84.5	84		52	132
		2,4,6-Tribromophenol	150	145	97		44	137
		Terphenyl-d14	100	80.7	81		42	152
PB169180BS	PB169180BS	2-Fluorophenol	150	129	86		23	138
		Phenol-d6	150	120	80		10	134
		Nitrobenzene-d5	100	85.7	86		67	132
		2-Fluorobiphenyl	100	85.5	85		52	132
		2,4,6-Tribromophenol	150	156	104		44	137
		Terphenyl-d14	100	80.4	80		42	152
Q2779-04MS	TP-4MS	2-Fluorophenol	150	113	76		23	138
		Phenol-d6	150	96.1	64		10	134
		Nitrobenzene-d5	100	84.2	84		67	132
		2-Fluorobiphenyl	100	79.2	79		52	132
		2,4,6-Tribromophenol	150	145	97		44	137
		Terphenyl-d14	100	78.3	78		42	152
Q2779-04MSD	TP-4MSD	2-Fluorophenol	150	107	71		23	138
		Phenol-d6	150	91.7	61		10	134
		Nitrobenzene-d5	100	80.3	80		67	132
		2-Fluorobiphenyl	100	75.8	76		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	80.5	81		42	152
Q2791-01	SLUDGE	2-Fluorophenol	150	116	77		23	138
		Phenol-d6	150	104	70		10	134
		Nitrobenzene-d5	100	85.3	85		67	132
		2-Fluorobiphenyl	100	73.6	74		52	132
		2,4,6-Tribromophenol	150	138	92		44	137
		Terphenyl-d14	100	64.5	65		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2791 **Analytical Method:** SW8270E

Client: Aramark Uniforms **DataFile:** BP025347.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2779-04MS		**Client Sample ID: TP-4MS**									
Pyridine	500	0	340	ug/L	68				10	109	
1,4-Dichlorobenzene	500	0	410	ug/L	82				55	125	
2-Methylphenol	500	0	370	ug/L	74				60	131	
3+4-Methylphenols	500	0	360	ug/L	72				54	136	
Hexachloroethane	500	0	420	ug/L	84				19	146	
Nitrobenzene	500	0	440	ug/L	88				62	112	
2,4,6-Trichlorophenol	500	0	490	ug/L	98				78	112	
2,4,5-Trichlorophenol	500	0	470	ug/L	94				71	111	
2,4-Dinitrotoluene	500	0	480	ug/L	96				74	137	
Hexachlorobenzene	500	0	460	ug/L	92				72	115	
Pentachlorophenol	1000	0	1000	ug/L	100				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2791 **Analytical Method:** SW8270E

Client: Aramark Uniforms **DataFile:** BP025348.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2779-04MSD		**Client Sample ID: TP-4MSD**									
Pyridine	500	0	320	ug/L	64	6			10	109	20
1,4-Dichlorobenzene	500	0	380	ug/L	76	8			55	125	20
2-Methylphenol	500	0	360	ug/L	72	3			60	131	20
3+4-Methylphenols	500	0	350	ug/L	70	3			54	136	20
Hexachloroethane	500	0	390	ug/L	78	7			19	146	20
Nitrobenzene	500	0	420	ug/L	84	5			62	112	20
2,4,6-Trichlorophenol	500	0	480	ug/L	96	2			78	112	20
2,4,5-Trichlorophenol	500	0	460	ug/L	92	2			71	111	20
2,4-Dinitrotoluene	500	0	430	ug/L	86	11			74	137	20
Hexachlorobenzene	500	0	470	ug/L	94	2			72	115	20
Pentachlorophenol	1000	0	980	ug/L	98	2			52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2791 **Analytical Method:** 8270E

Client: Aramark Uniforms **DataFile:** BP025364.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169180BS	Pyridine	50	37.7	ug/L	75				29	97	
	1,4-Dichlorobenzene	50	44.6	ug/L	89				76	103	
	2-Methylphenol	50	42.9	ug/L	86				69	109	
	3+4-Methylphenols	50	41.8	ug/L	84				67	106	
	Hexachloroethane	50	45.8	ug/L	92				76	118	
	Nitrobenzene	50	46.5	ug/L	93				58	106	
	2,4,6-Trichlorophenol	50	54.1	ug/L	108				61	110	
	2,4,5-Trichlorophenol	50	52.5	ug/L	105				70	106	
	2,4-Dinitrotoluene	50	48.8	ug/L	98				60	115	
	Hexachlorobenzene	50	50.4	ug/L	101				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169180BL

Lab Name: Alliance | Contract: ARAM01

Lab Code: ACE | SDG NO.: Q2791

Lab File ID: BP025363.D | Lab Sample ID: PB169180BL

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

Matrix: (soil/water) water | Date Analyzed: 08/12/2025

Level: (low/med) LOW | Time Analyzed: 12:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169180BS	PB169180BS	BP025364.D	08/12/2025
PB169149TB	PB169149TB	BP025368.D	08/12/2025
TP-4MS	Q2779-04MS	BP025347.D	08/11/2025
TP-4MSD	Q2779-04MSD	BP025348.D	08/11/2025
SLUDGE	Q2791-01	BP025350.D	08/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: ARAM01

Lab Code: ACE — SDG NO.: Q2791

Lab File ID: BP025297.D — DFTPP Injection Date: 08/05/2025

Instrument ID: BNA_P — DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	34.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	87.3
443	15.0 - 24.0% of mass 442	17.1 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025298.D	08/05/2025	12:03
SSTDICC005	SSTDICC005	BP025299.D	08/05/2025	12:44
SSTDICC010	SSTDICC010	BP025300.D	08/05/2025	13:25
SSTDICC020	SSTDICC020	BP025301.D	08/05/2025	14:06
SSTDICCC040	SSTDICCC040	BP025302.D	08/05/2025	14:47
SSTDICC050	SSTDICC050	BP025303.D	08/05/2025	15:28
SSTDICC060	SSTDICC060	BP025304.D	08/05/2025	16:10
SSTDICC080	SSTDICC080	BP025305.D	08/05/2025	16:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: ARAM01

Lab Code: ACE — SDG NO.: Q2791

Lab File ID: BP025342.D — DFTPP Injection Date: 08/11/2025

Instrument ID: BNA_P — DFTPP Injection Time: 09:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	99.3
443	15.0 - 24.0% of mass 442	19.5 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025343.D	08/11/2025	11:08
TP-4MS	Q2779-04MS	BP025347.D	08/11/2025	13:59
TP-4MSD	Q2779-04MSD	BP025348.D	08/11/2025	14:41
SLUDGE	Q2791-01	BP025350.D	08/11/2025	16:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: ARAM01

Lab Code: ACE — SDG NO.: Q2791

Lab File ID: BP025359.D — DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_P — DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
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	6.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	97.1
443	15.0 - 24.0% of mass 442	19.1 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025360.D	08/12/2025	10:07
PB169180BL	PB169180BL	BP025363.D	08/12/2025	12:12
PB169180BS	PB169180BS	BP025364.D	08/12/2025	12:54
PB169149TB	PB169149TB	BP025368.D	08/12/2025	15:40

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2791

Client ID : SSTDCCC040 Date Analyzed: 08/11/2025

Lab File ID: BP025343.D Time Analyzed: 11:08

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	216631	7.796	873095	10.57	558968	14.42
	UPPER LIMIT	433262	8.296	1746190	11.072	1117940	14.919
	LOWER LIMIT	108316	7.296	436548	10.072	279484	13.919
	EPA SAMPLE NO.						
01	TP-4MS	215026	7.80	827224	10.57	489140	14.42
02	TP-4MSD	284673	7.80	1089870	10.57	635339	14.42
03	SLUDGE	334679	7.80	1364070	10.58	820532	14.43

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: Alliance

Lab Code: ACE SDG NO.: Q2791

Client ID: SSTDCCC040 Date Analyzed: 08/11/2025

Lab File ID: BP025343.D Time Analyzed: 11:08

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1086110	17.219	1099610	21.654	1235980	25.042
	UPPER LIMIT	2172220	17.719	2199220	22.154	2471960	25.542
	LOWER LIMIT	543055	16.719	549805	21.154	617990	24.542
	EPA SAMPLE NO.						
01	TP-4MS	963190	17.22	1028740	21.67	1199050	25.05
02	TP-4MSD	1137390	17.22	1068120	21.66	1204310	25.05
03	SLUDGE	1433790	17.23	1107740	21.66	1272130	25.06

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2791

Client ID : SSTDCCC040 Date Analyzed: 08/12/2025

Lab File ID: BP025360.D Time Analyzed: 10:07

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	195999	7.796	806810	10.58	510213	14.43
	UPPER LIMIT	391998	8.296	1613620	11.078	1020430	14.931
	LOWER LIMIT	97999.5	7.296	403405	10.078	255107	13.931
	EPA SAMPLE NO.						
01	PB169149TB	216198	7.80	822002	10.57	481171	14.43
02	PB169180BL	223850	7.80	834408	10.57	478110	14.42
03	PB169180BS	220840	7.80	869704	10.58	505729	14.43

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: Alliance

Lab Code: ACE SDG NO.: Q2791

Client ID: SSTDCCC040 Date Analyzed: 08/12/2025

Lab File ID: BP025360.D Time Analyzed: 10:07

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	980228	17.225	1004810	21.672	1173450	25.065
	UPPER LIMIT	1960460	17.725	2009620	22.172	2346900	25.565
	LOWER LIMIT	490114	16.725	502405	21.172	586725	24.565
	EPA SAMPLE NO.						
01	PB169149TB	966595	17.23	1099080	21.67	1180750	25.06
02	PB169180BL	927445	17.23	966084	21.67	1157350	25.05
03	PB169180BS	949767	17.22	975809	21.67	1187020	25.06

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BP025368.D**

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Report of Analysis

Client:	Aramark Uniforms	Date Collected:	08/08/25
Project:	Monthly 2025	Date Received:	08/08/25
Client Sample ID:	PB169149TB	SDG No.:	Q2791
Lab Sample ID:	PB169149TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025368.D	1	08/08/25 11:12	08/12/25 15:40	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		23 - 138	79%	SPK: 150
13127-88-3	Phenol-d6	106		10 - 134	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.2		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		44 - 137	94%	SPK: 150
1718-51-0	Terphenyl-d14	76.4		42 - 152	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	216000	7.802			
1146-65-2	Naphthalene-d8	822000	10.572			
15067-26-2	Acenaphthene-d10	481000	14.425			
1517-22-2	Phenanthrene-d10	967000	17.225			
1719-03-5	Chrysene-d12	1100000	21.666			
1520-96-3	Perylene-d12	1180000	25.059			

Raw Data: **BP025368.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	08/08/25
Project:	Monthly 2025	Date Received:	08/08/25
Client Sample ID:	PB169149TB	SDG No.:	Q2791
Lab Sample ID:	PB169149TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025368.D	1	08/08/25 11:12	08/12/25 15:40	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025368.D
Acq On : 12 Aug 2025 15:40
Operator : CG/JU
Sample : PB169149TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Quant Time: Aug 12 16:02:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

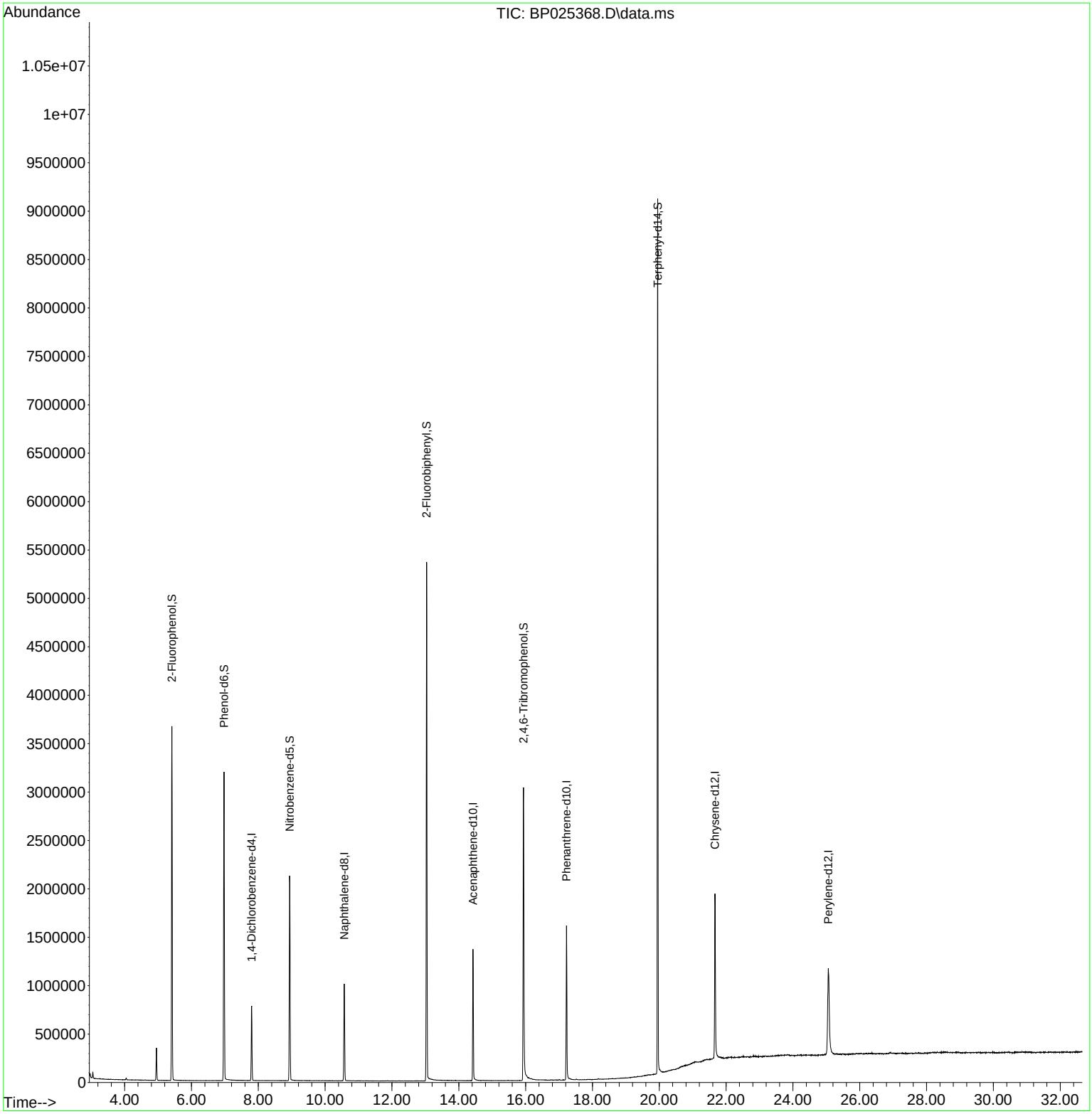
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	216198	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	822002	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	481171	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	966595	20.000	ng	0.00
76) Chrysene-d12	21.666	240	1099080	20.000	ng	0.00
86) Perylene-d12	25.059	264	1180748	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1602688	119.229	ng	0.00
7) Phenol-d6	6.972	99	1882681	106.421	ng	0.00
23) Nitrobenzene-d5	8.937	82	1217011	82.024	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	679469	141.549	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	2723558	78.180	ng	0.00
79) Terphenyl-d14	19.954	244	4447639	76.433	ng	0.01
Target Compounds						Qvalue

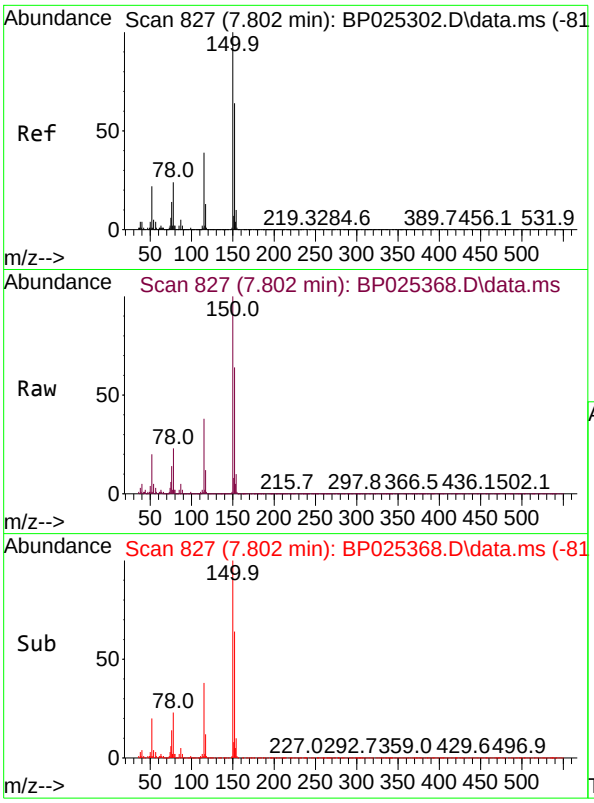
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025368.D
Acq On : 12 Aug 2025 15:40
Operator : CG/JU
Sample : PB169149TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Quant Time: Aug 12 16:02:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



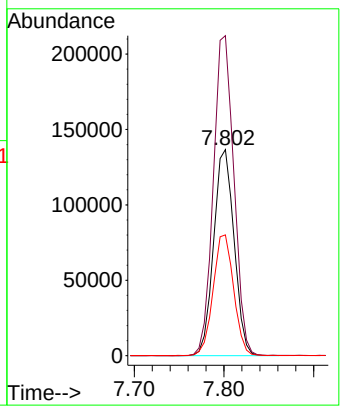


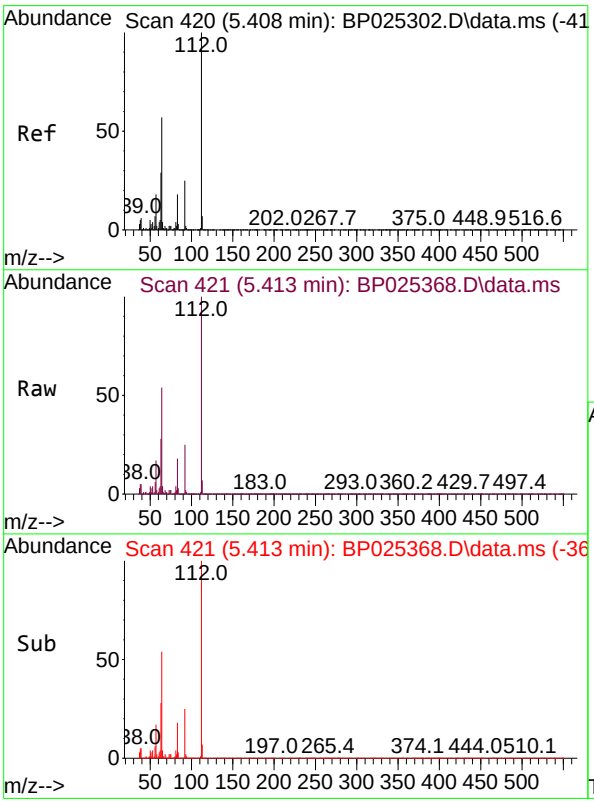
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion:152 Resp: 216198

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.1	187.7
115	58.7	48.4	72.6

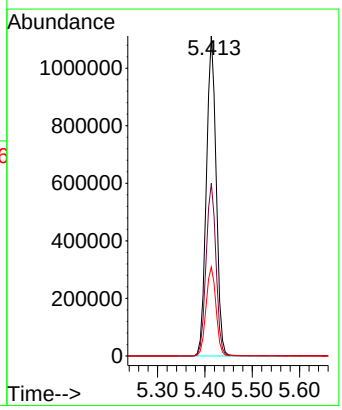


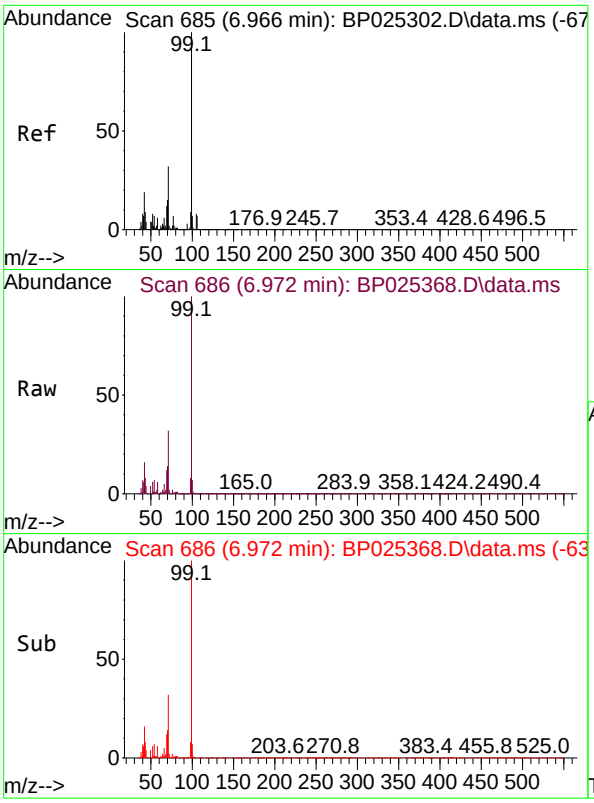


#5
2-Fluorophenol
Concen: 119.229 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:112 Resp: 1602688

Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.3	67.9
63	27.8	23.0	34.6



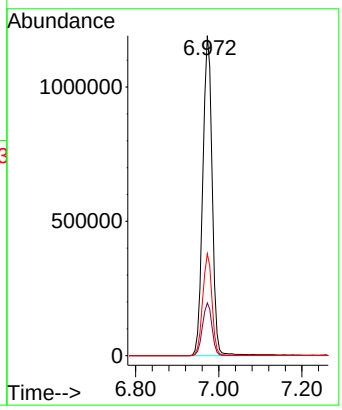


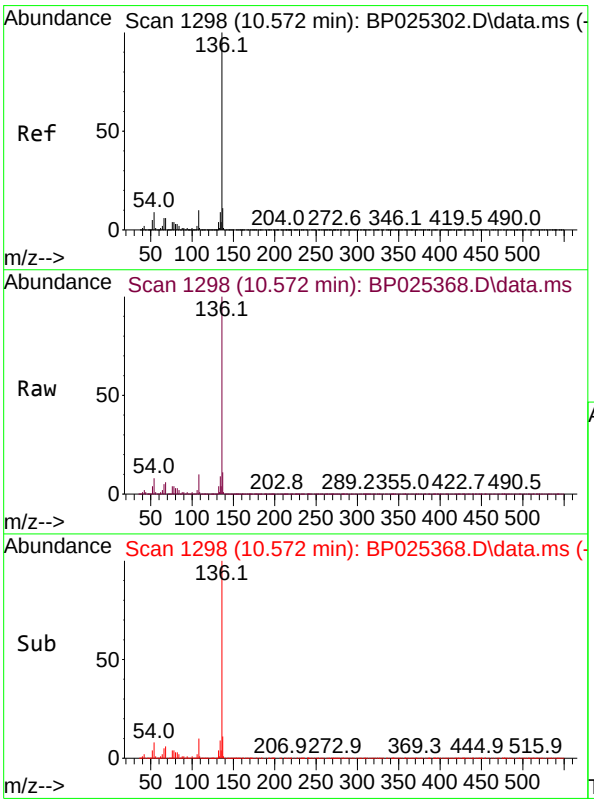
#7
Phenol-d6
Concen: 106.421 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion: 99 Resp: 1882681

Ion	Ratio	Lower	Upper
99	100		
42	16.5	15.0	22.6
71	31.8	25.5	38.3

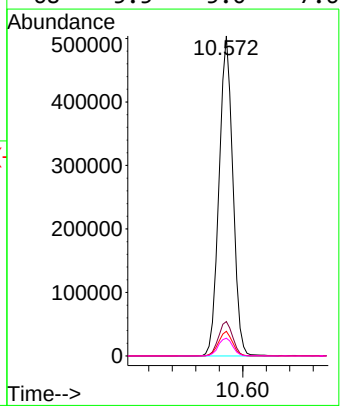


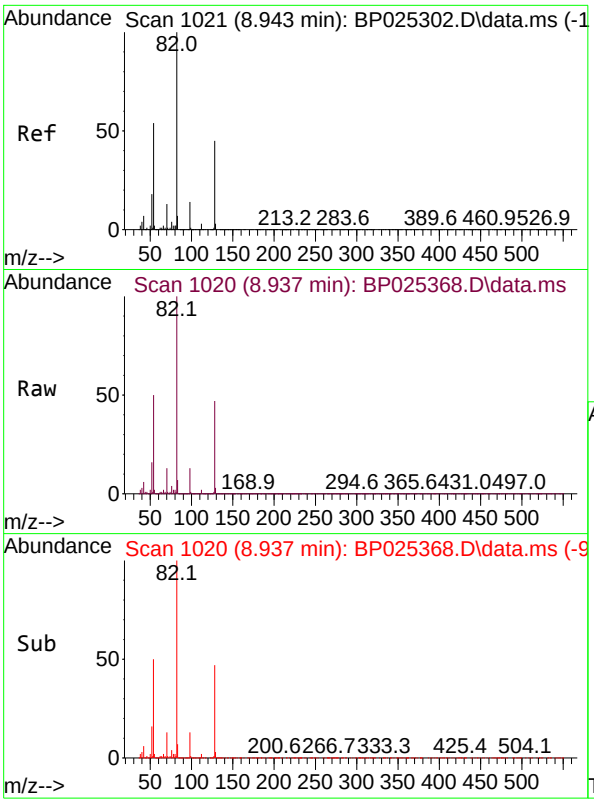


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:136 Resp: 822002

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.7	7.0	10.6
68	5.5	5.0	7.6



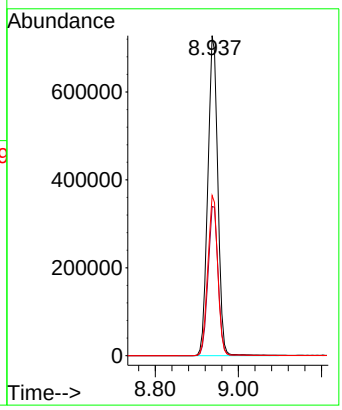


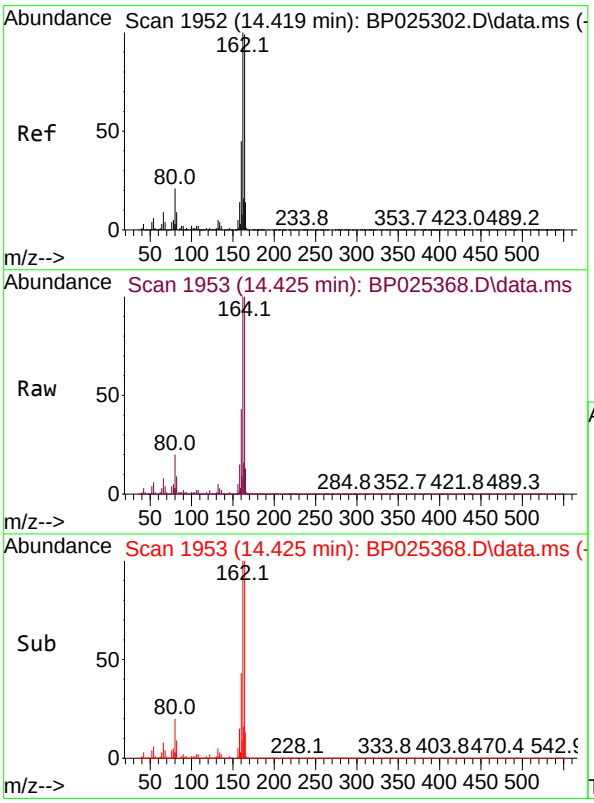
#23
Nitrobenzene-d5
Concen: 82.024 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion: 82 Resp: 1217011

Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.4	53.2
54	50.0	42.9	64.3

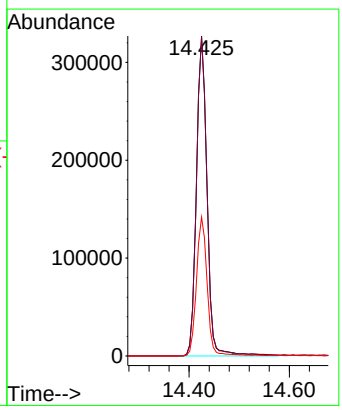


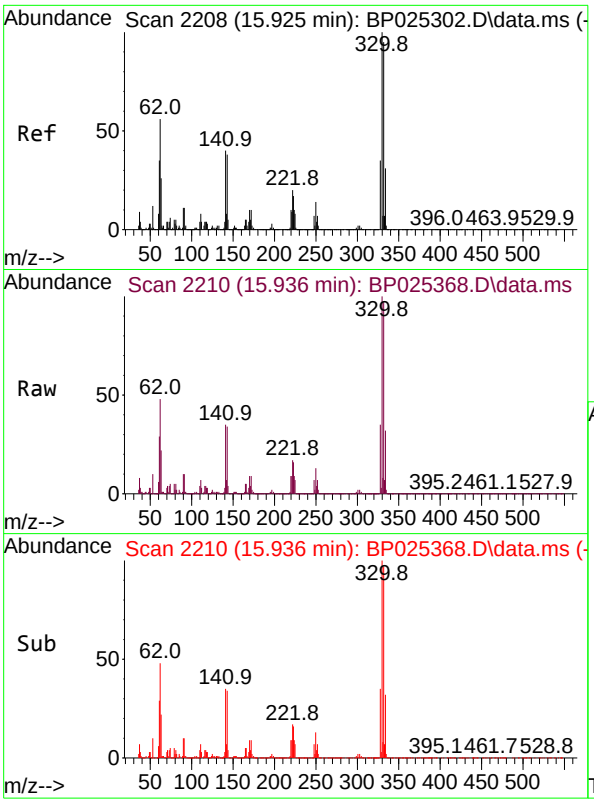


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:164 Resp: 481171

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	43.4	35.9	53.9



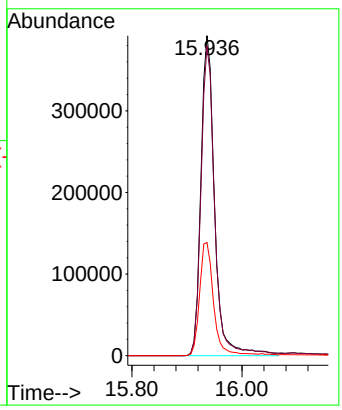


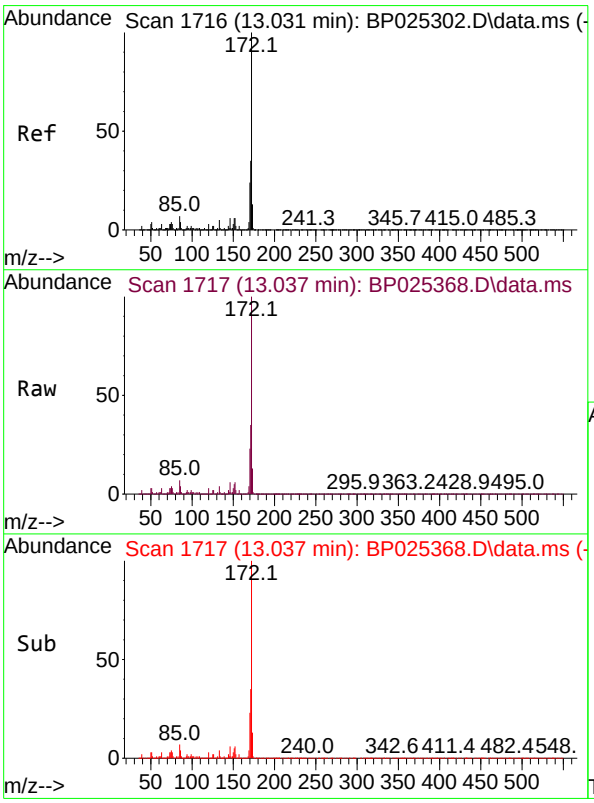
#42
2,4,6-Tribromophenol
Concen: 141.549 ng
RT: 15.936 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion:330 Resp: 679469

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	36.2	31.7	47.5

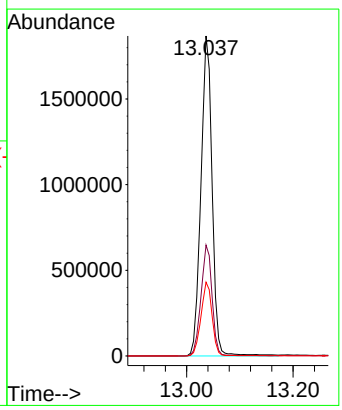


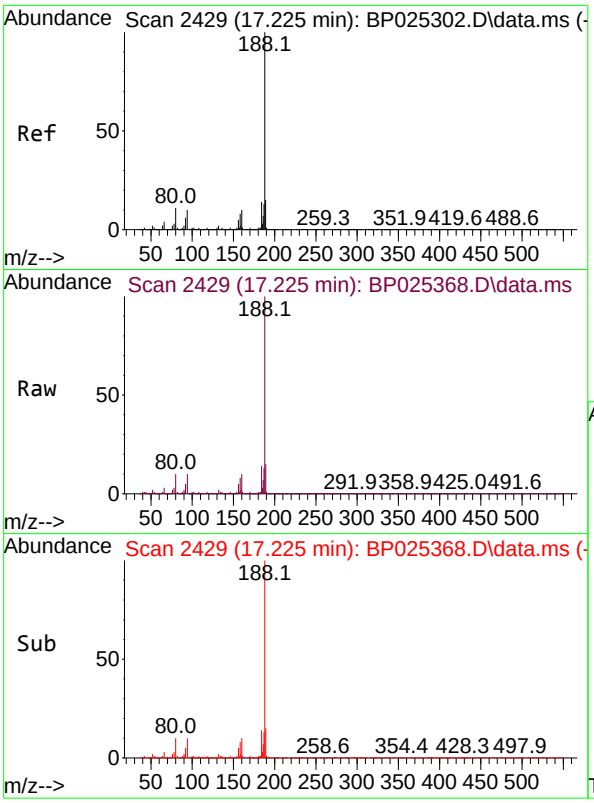


#45
2-Fluorobiphenyl
Concen: 78.180 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:172 Resp: 2723558

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.1	18.9	28.3



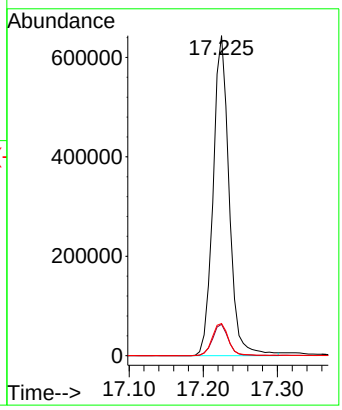


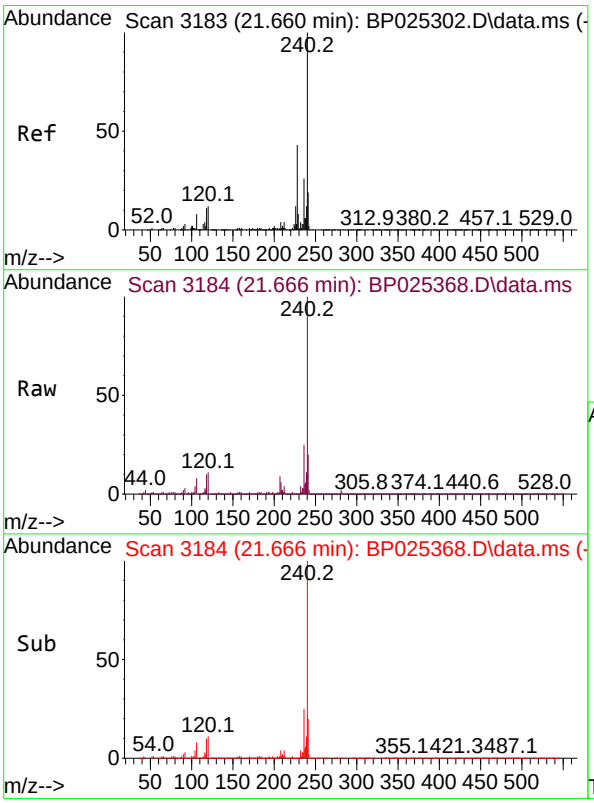
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion:188 Resp: 966595

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.1	8.5	12.7

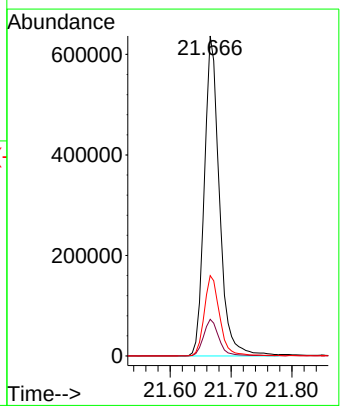


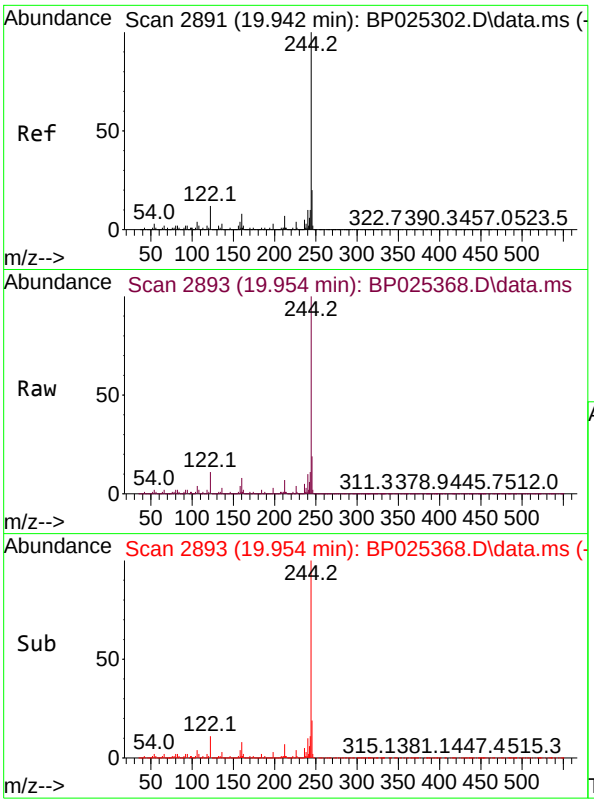


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:240 Resp: 1099080

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	25.1	20.4	30.6



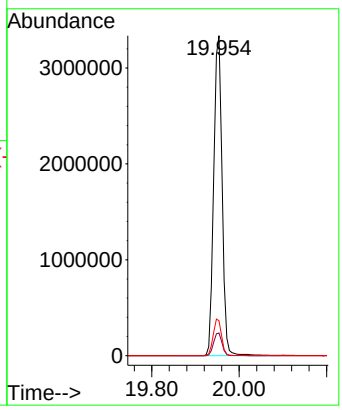


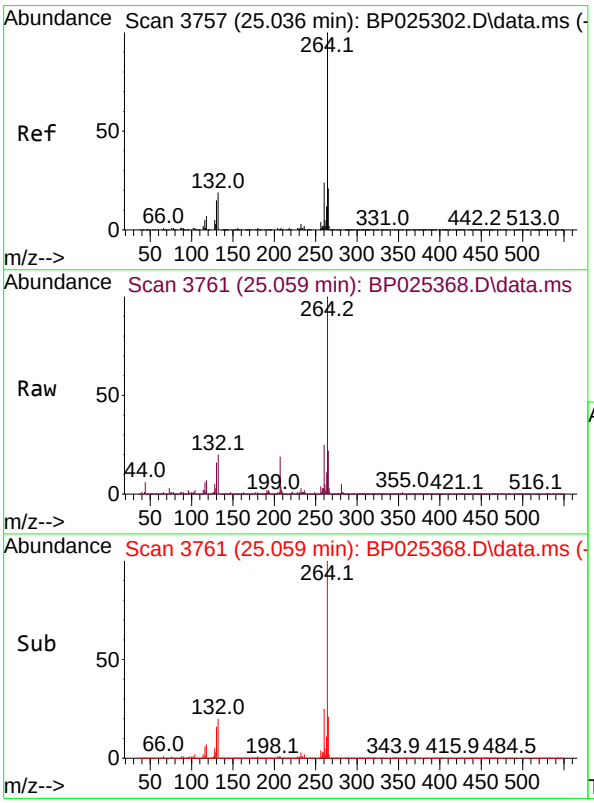
#79
Terphenyl-d14
Concen: 76.433 ng
RT: 19.954 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Instrument :
BNA_P
ClientSampleId :
PB169149TB

Tgt Ion:244 Resp: 4447639

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.9	9.5	14.3

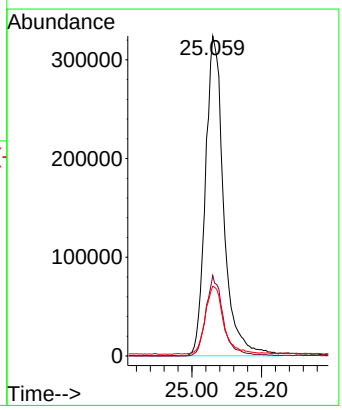




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.059 min Scan# 3761
Delta R.T. 0.023 min
Lab File: BP025368.D
Acq: 12 Aug 2025 15:40

Tgt Ion:264 Resp: 1180748

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	17.1	25.7



Raw Data: **BP025350.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	08/07/25
Project:	Monthly 2025			Date Received:	08/07/25
Client Sample ID:	SLUDGE			SDG No.:	Q2791
Lab Sample ID:	Q2791-01			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025350.D	1	08/08/25 11:12	08/11/25 16:05	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	170		11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		23 - 138	77%	SPK: 150
13127-88-3	Phenol-d6	104		10 - 134	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.3		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.6		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		44 - 137	92%	SPK: 150
1718-51-0	Terphenyl-d14	64.5		42 - 152	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.796			
1146-65-2	Naphthalene-d8	1360000	10.578			
15067-26-2	Acenaphthene-d10	821000	14.431			
1517-22-2	Phenanthrene-d10	1430000	17.225			
1719-03-5	Chrysene-d12	1110000	21.66			
1520-96-3	Perylene-d12	1270000	25.06			

Raw Data: **BP025350.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	08/07/25
Project:	Monthly 2025			Date Received:	08/07/25
Client Sample ID:	SLUDGE			SDG No.:	Q2791
Lab Sample ID:	Q2791-01			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025350.D	1	08/08/25 11:12	08/11/25 16:05	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025350.D
Acq On : 11 Aug 2025 16:05
Operator : CG/JU
Sample : Q2791-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Quant Time: Aug 11 16:36:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

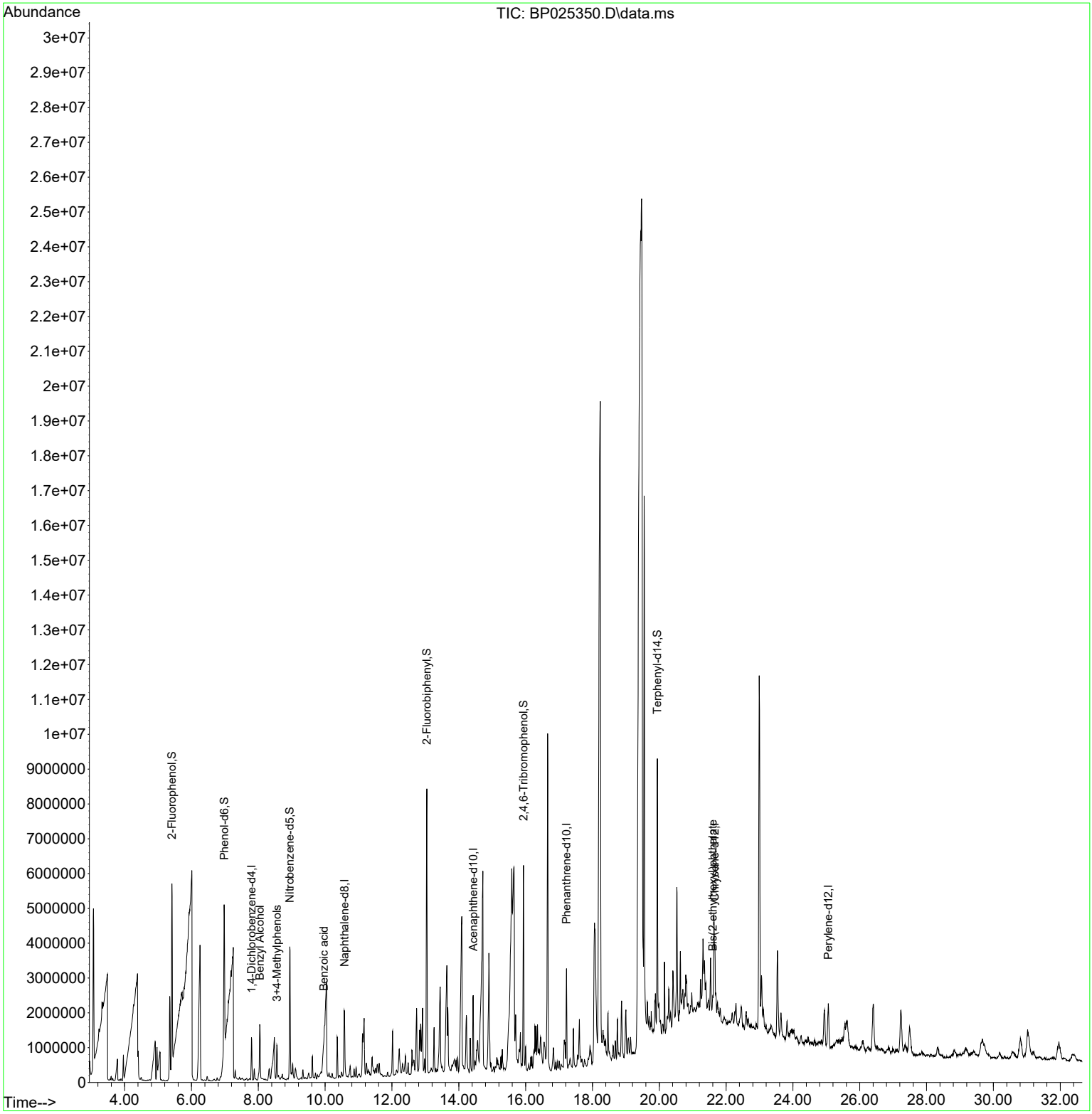
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	334679	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	1364070	20.000	ng	0.00
39) Acenaphthene-d10	14.431	164	820532	20.000	ng	0.01
64) Phenanthrene-d10	17.225	188	1433791	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1107744	20.000	ng	0.00
86) Perylene-d12	25.060	264	1272134	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	2407328	115.689	ng	0.00
7) Phenol-d6	6.978	99	2855421	104.267	ng	0.01
23) Nitrobenzene-d5	8.943	82	2101097	85.335	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	1127377	137.724	ng	0.01
45) 2-Fluorobiphenyl	13.043	172	4369612	73.554	ng	0.01
79) Terphenyl-d14	19.942	244	3783370	64.509	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.043	79	493449	23.245	ng	97
20) 3+4-Methylphenols	8.560	107	452077	16.744	ng	88
32) Benzoic acid	9.966	122	245208	25.134	ng	97
84) Bis(2-ethylhexyl)phtha...	21.601	149	231807	4.859	ng	96

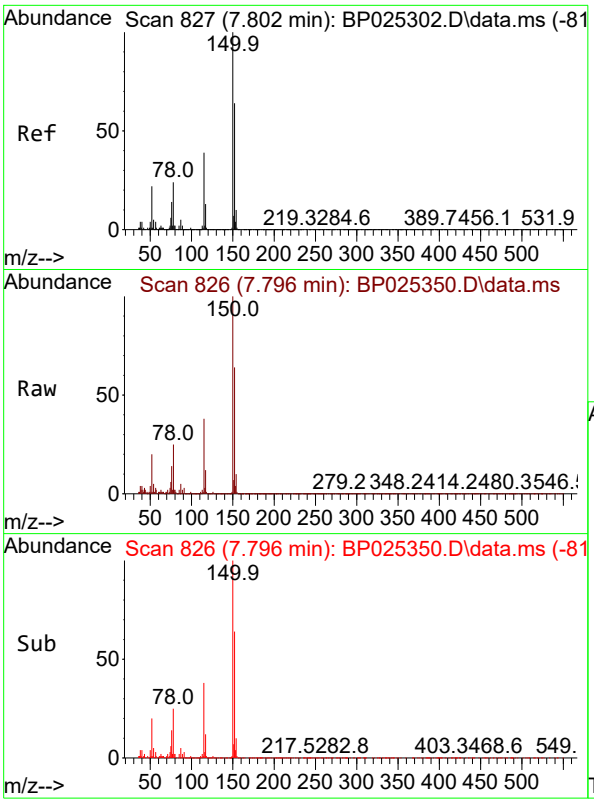
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025350.D
Acq On : 11 Aug 2025 16:05
Operator : CG/JU
Sample : Q2791-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Quant Time: Aug 11 16:36:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



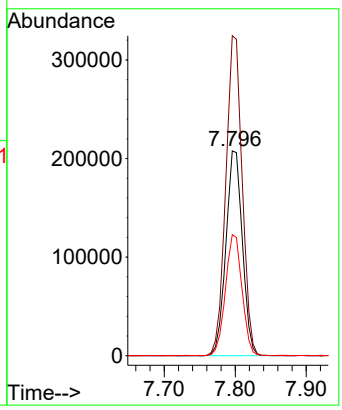


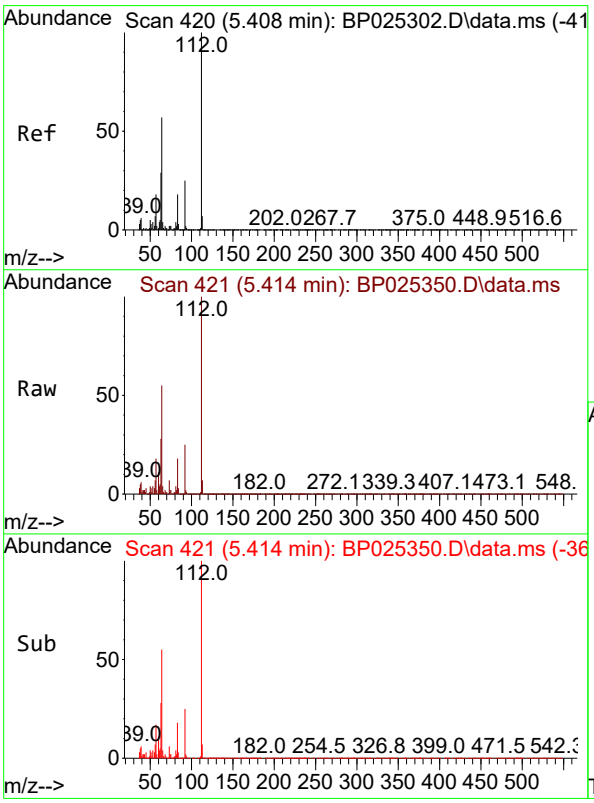
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:152 Resp: 334679

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.1	187.7
115	59.0	48.4	72.6

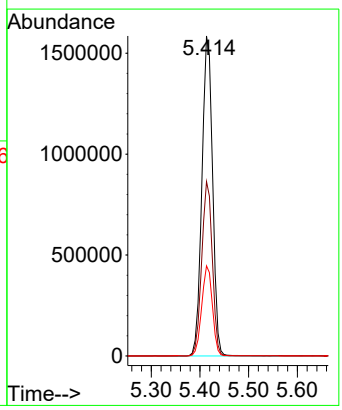


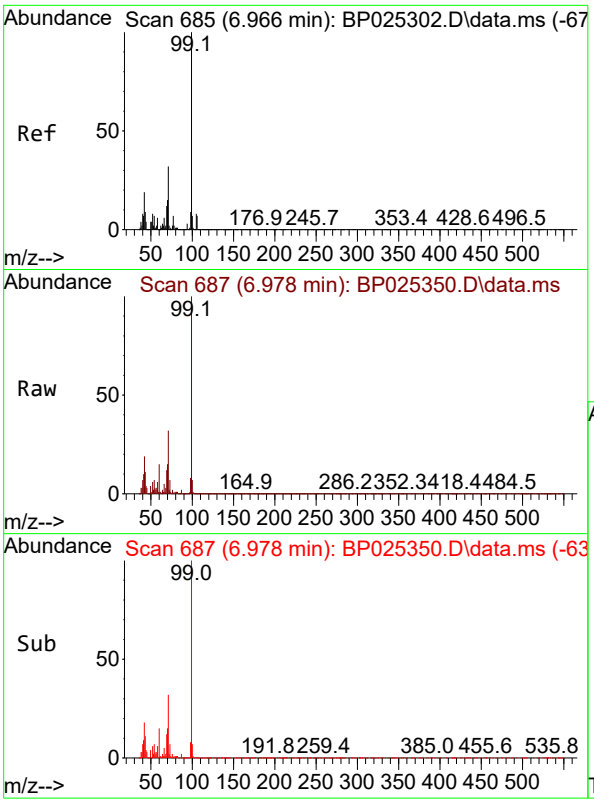


#5
2-Fluorophenol
Concen: 115.689 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:112 Resp: 2407328

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.3	67.9
63	28.1	23.0	34.6



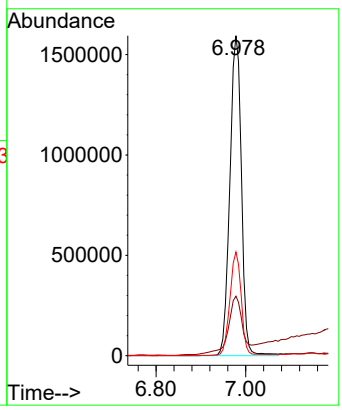


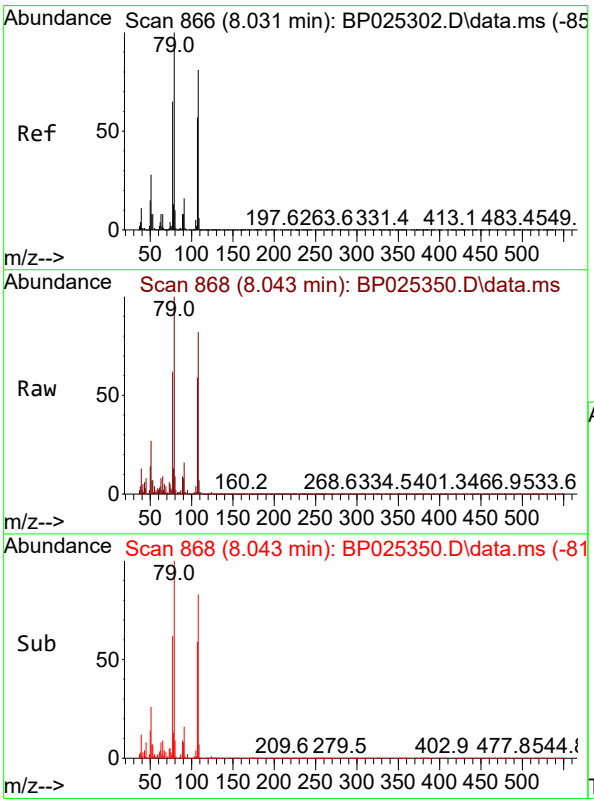
#7
Phenol-d6
Concen: 104.267 ng
RT: 6.978 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion: 99 Resp: 2855421

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.6
71	32.4	25.5	38.3

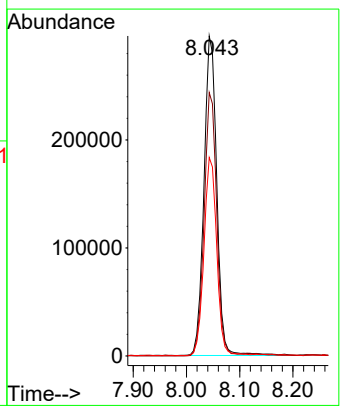


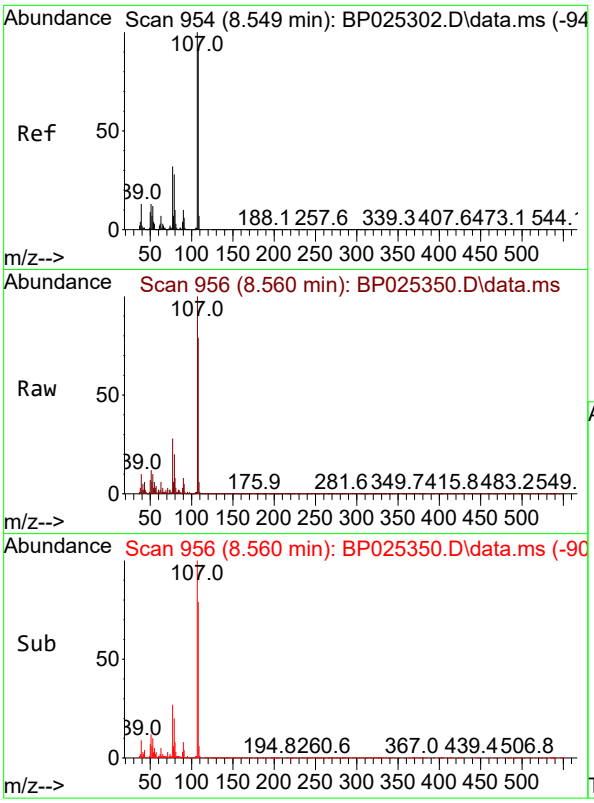


#15
Benzyl Alcohol
Concen: 23.245 ng
RT: 8.043 min Scan# 868
Delta R.T. 0.012 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion: 79 Resp: 493449

Ion	Ratio	Lower	Upper
79	100		
108	82.3	64.5	96.7
77	62.0	51.9	77.9



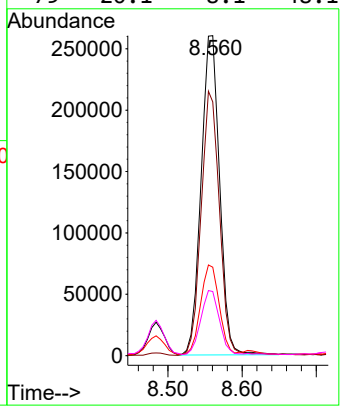


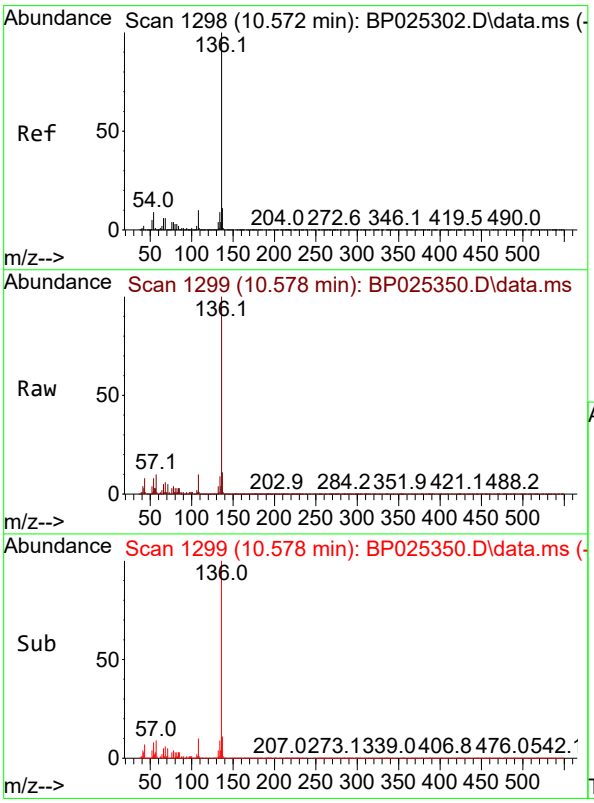
#20
3+4-Methylphenols
Concen: 16.744 ng
RT: 8.560 min Scan# 9
Delta R.T. 0.011 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:107 Resp: 452077

Ion	Ratio	Lower	Upper
107	100		
108	79.3	71.9	111.9
77	27.7	12.0	52.0
79	20.1	8.1	48.1

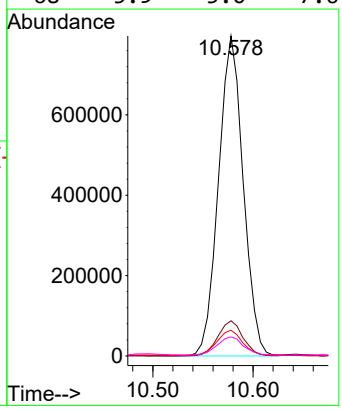


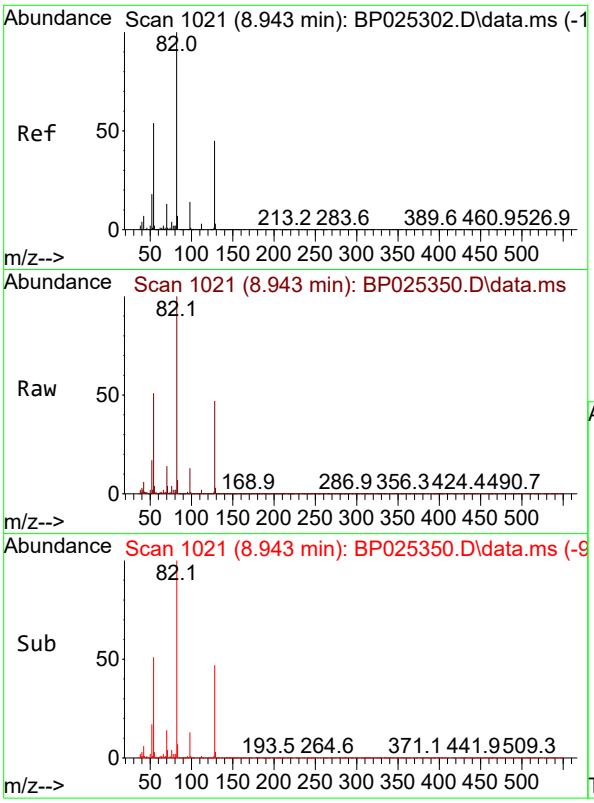


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:136 Resp: 1364070

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.1	7.0	10.6
68	5.9	5.0	7.6



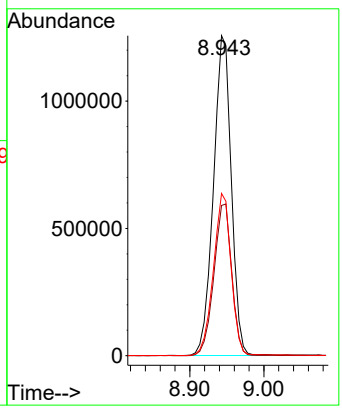


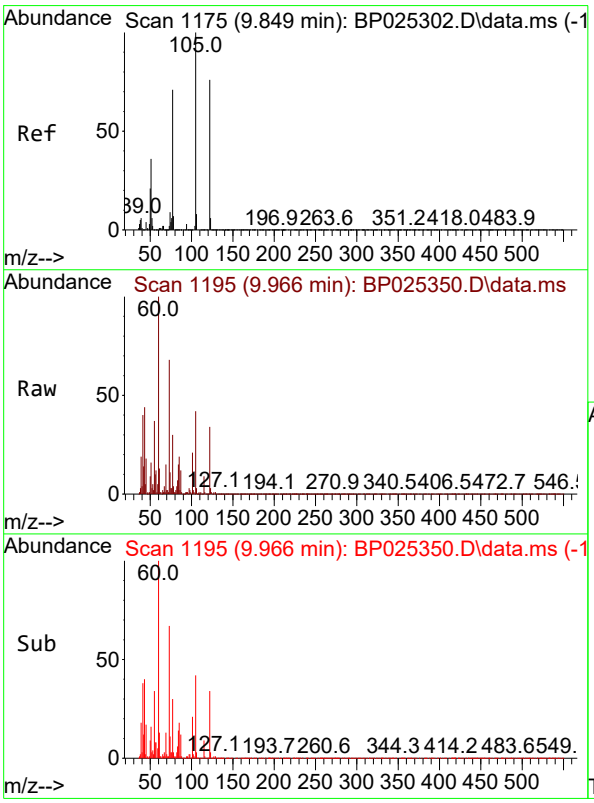
#23
Nitrobenzene-d5
Concen: 85.335 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion: 82 Resp: 2101097

Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.4	53.2
54	50.7	42.9	64.3

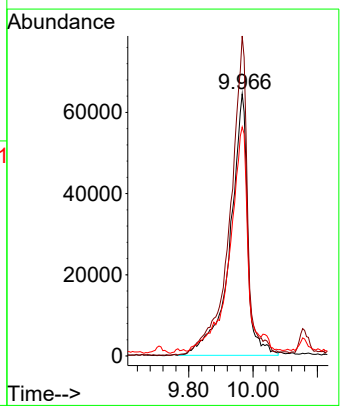


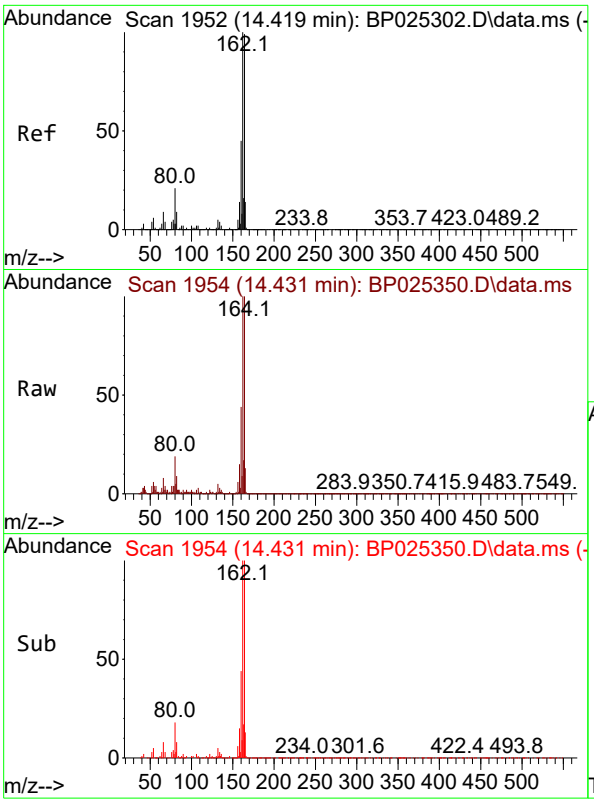


#32
Benzoic acid
Concen: 25.134 ng
RT: 9.966 min Scan# 1195
Delta R.T. 0.117 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:122 Resp: 245208

Ion	Ratio	Lower	Upper
122	100		
105	122.1	104.0	144.0
77	87.3	71.8	111.8



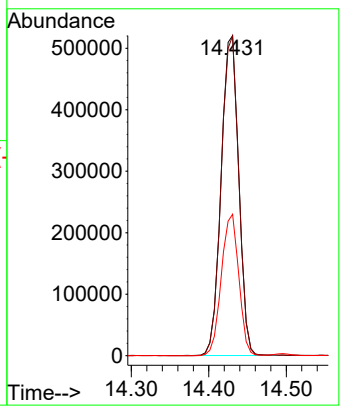


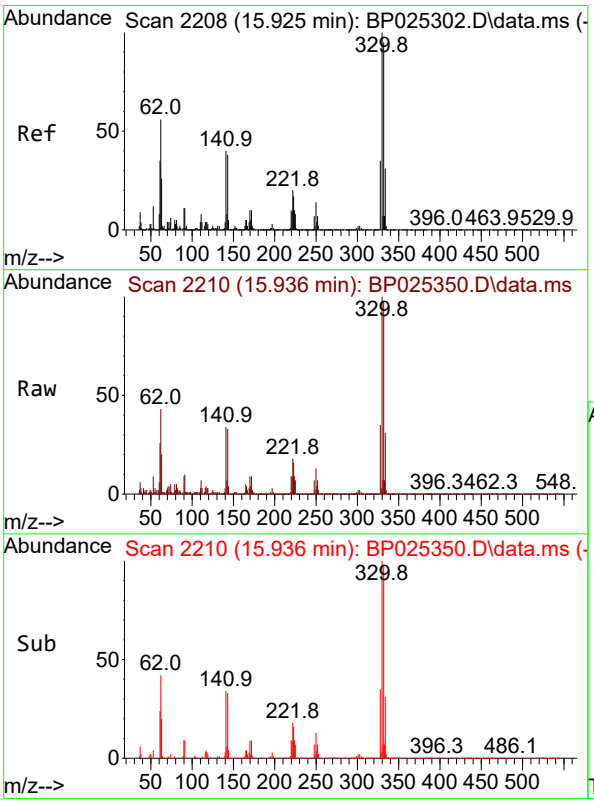
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.431 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:164 Resp: 820532

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.2	35.9	53.9

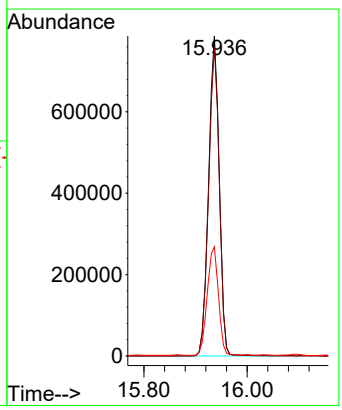


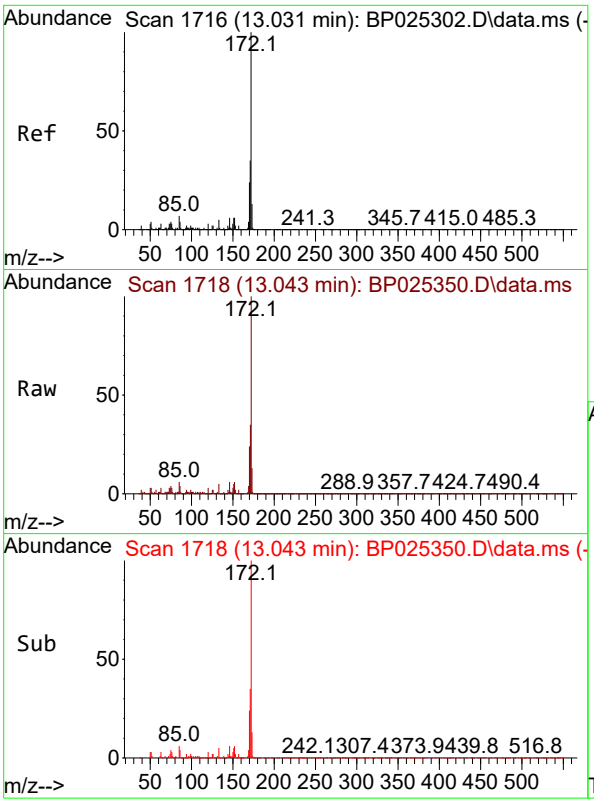


#42
2,4,6-Tribromophenol
Concen: 137.724 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:330 Resp: 1127377

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	35.6	31.7	47.5



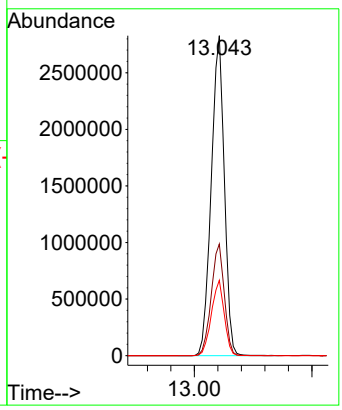


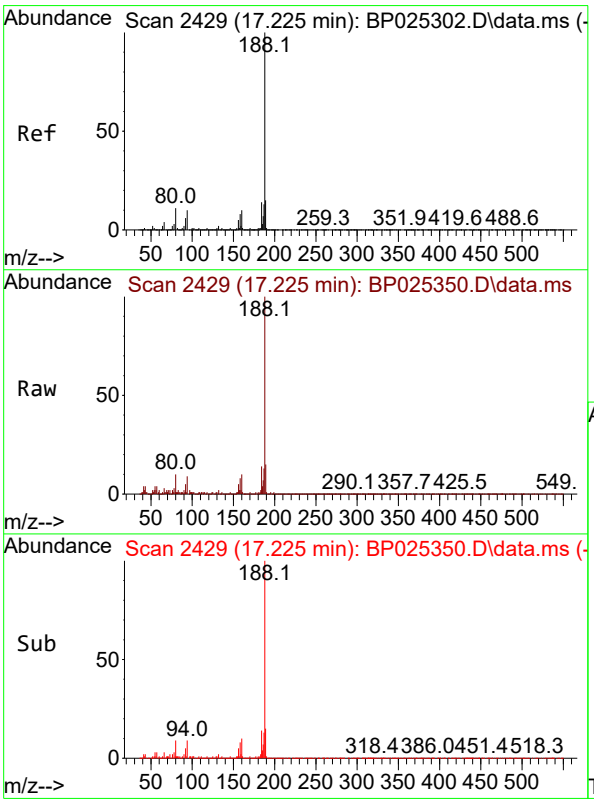
#45
2-Fluorobiphenyl
Concen: 73.554 ng
RT: 13.043 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:172 Resp: 4369612

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.5	18.9	28.3

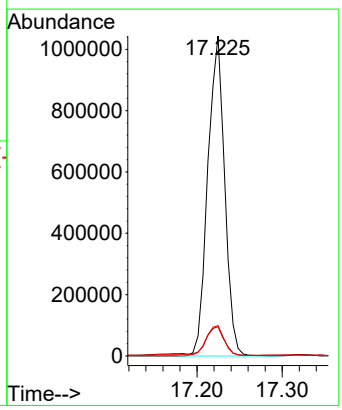


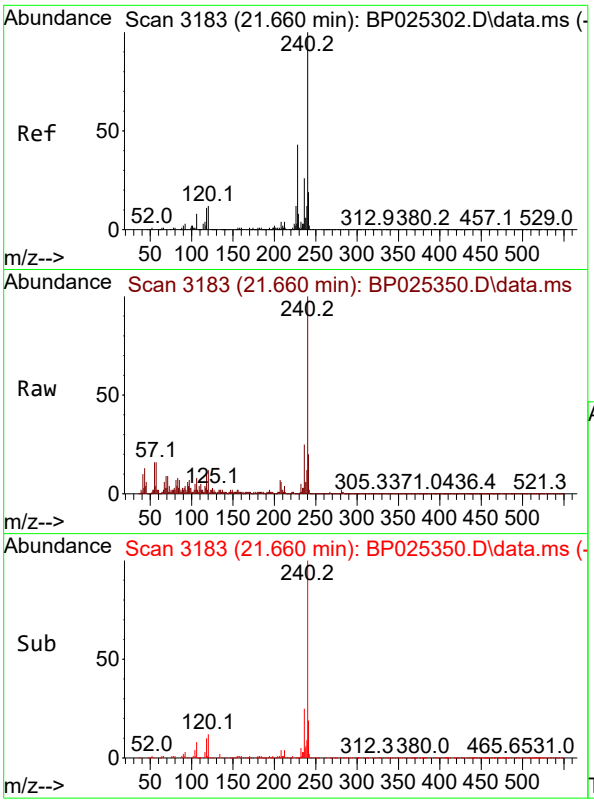


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:188 Resp: 1433791

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.5	8.5	12.7



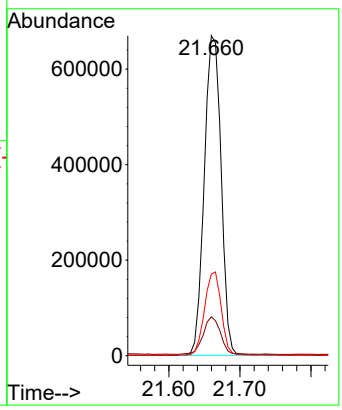


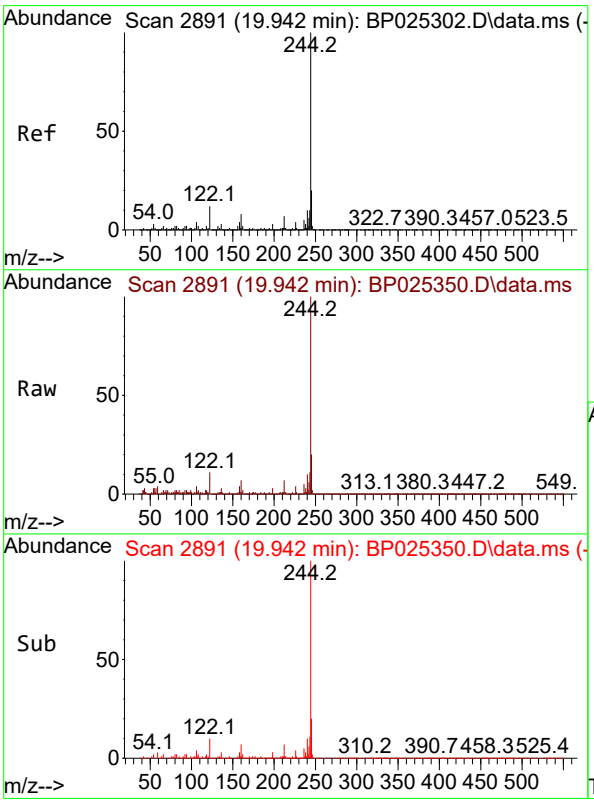
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:240 Resp: 1107744

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.6	14.4
236	25.5	20.4	30.6

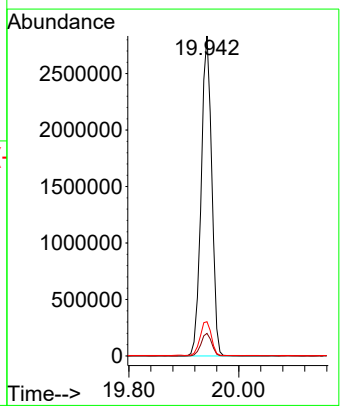


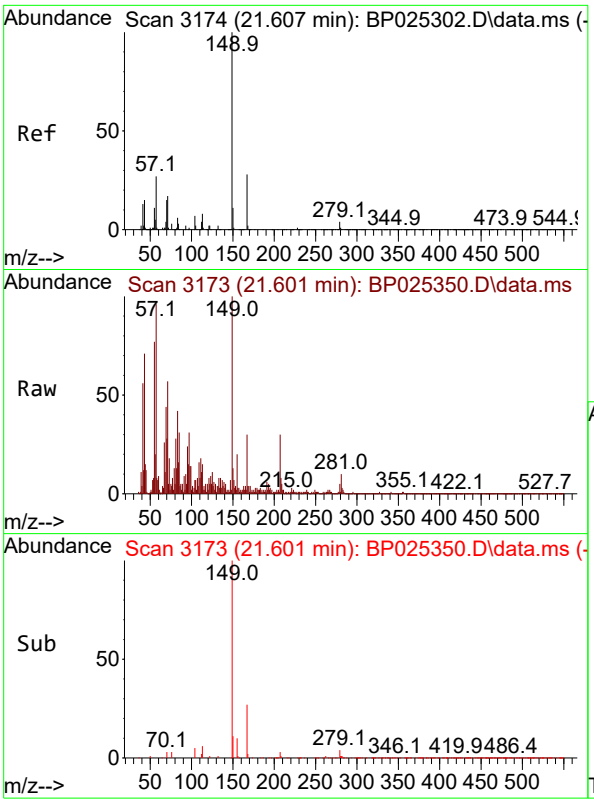


#79
Terphenyl-d14
Concen: 64.509 ng
RT: 19.942 min Scan# 2891
Delta R.T. 0.000 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:244 Resp: 3783370

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.5	14.3



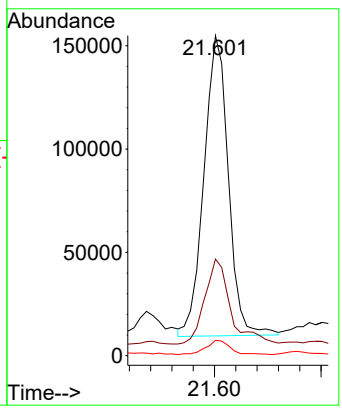


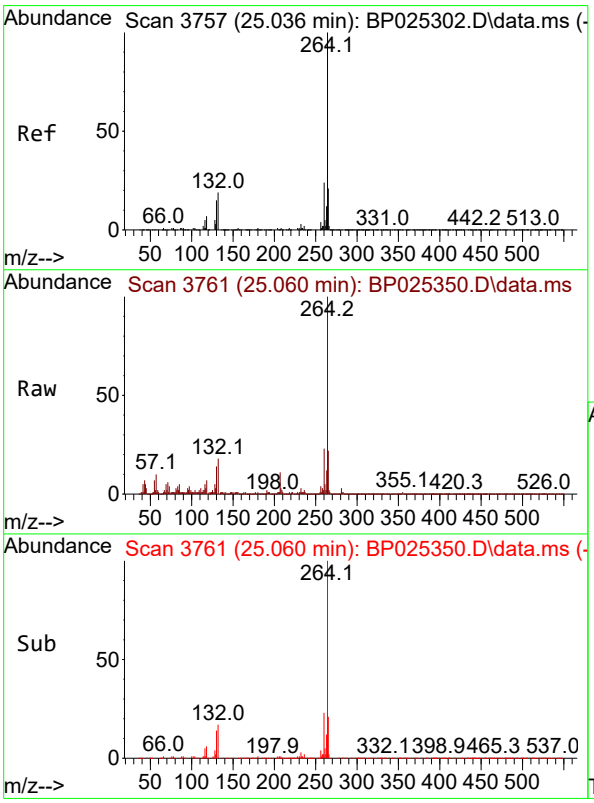
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.859 ng
RT: 21.601 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Instrument :
BNA_P
ClientSampleId :
SLUDGE

Tgt Ion:149 Resp: 231807

Ion	Ratio	Lower	Upper
149	100		
167	30.2	22.1	33.1
279	4.8	3.4	5.2

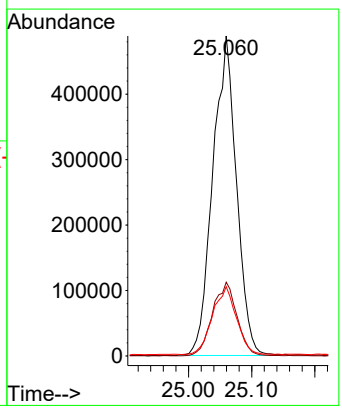




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.060 min Scan# 3761
Delta R.T. 0.024 min
Lab File: BP025350.D
Acq: 11 Aug 2025 16:05

Tgt Ion:264 Resp: 1272134

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	17.1	25.7



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG No.: Q2791

Instrument ID: BNA_P Calibration Date(s): 08/05/2025 08/05/2025

Calibration Time(s): 12:03 16:51

LAB FILE ID: RRF2.5 = BP025298.D RRF005 = BP025299.D RRF010 = BP025300.D
RRF020 = BP025301.D RRF040 = BP025302.D RRF050 = BP025303.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.368	1.344	1.341	1.340	1.407	1.363	2.1
2-Fluorophenol	1.187	1.248	1.220	1.251	1.233	1.297	1.244	2.9
Phenol-d6	1.535	1.587	1.583	1.648	1.632	1.734	1.637	4.4
1,4-Dichlorobenzene		1.613	1.509	1.536	1.508	1.601	1.547	3.3
2-Methylphenol		1.093	1.085	1.156	1.176	1.253	1.172	6.0
3+4-Methylphenols			1.447	1.566	1.587	1.713	1.613	6.8
Nitrobenzene-d5	0.300	0.324	0.334	0.375	0.374	0.407	0.361	10.2
Hexachloroethane		0.563	0.532	0.540	0.540	0.572	0.553	3.2
Nitrobenzene		0.311	0.312	0.347	0.344	0.373	0.342	6.7
2,4,6-Trichlorophenol		0.279	0.301	0.359	0.367	0.395	0.353	12.7
2-Fluorobiphenyl	1.502	1.551	1.453	1.479	1.444	1.464	1.448	5.2
2,4,5-Trichlorophenol		0.310	0.342	0.408	0.412	0.437	0.396	12.6
2,4-Dinitrotoluene		0.213	0.257	0.361	0.390	0.431	0.359	25.0
2,4,6-Tribromophenol	0.151	0.171	0.182	0.210	0.212	0.229	0.200	14.1
Hexachlorobenzene		0.232	0.222	0.224	0.220	0.233	0.226	2.8
Pentachlorophenol			0.104	0.139	0.144	0.161	0.144	14.9
Terphenyl-d14	1.060	1.140	1.083	1.096	1.046	1.082	1.059	5.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025298.D 5 =BP025299.D 10 =BP025300.D 20 =BP025301.D 40 =BP025302.D 50 =BP025303.D 60 =BP025304.D 80 =BP0253
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.536	0.502	0.479	0.481	0.495	0.482	0.460	0.491	4.85
3)		Pyridine		1.368	1.344	1.341	1.340	1.407	1.397	1.347	1.363	2.06
4)		n-Nitrosodimet...			0.607	0.627	0.611	0.661	0.656	0.636	0.633	3.51
5)	S	2-Fluorophenol	1.187	1.248	1.220	1.251	1.233	1.297	1.287	1.225	1.244	2.88
6)		Aniline		2.182	2.099	2.208	2.218	2.385	2.403	2.231	2.247	4.88
7)	S	Phenol-d6	1.535	1.587	1.583	1.648	1.632	1.734	1.744	1.629	1.637	4.44
8)		2-Chlorophenol		1.251	1.264	1.355	1.350	1.451	1.463	1.394	1.361	6.09
9)		Benzaldehyde			1.132	1.083	1.402	1.409	1.095	0.852	1.162	18.31
10)	C	Phenol		1.694	1.677	1.728	1.731	1.844	1.859	1.725	1.751	4.08
11)		bis(2-Chloroet...		1.389	1.311	1.360	1.337	1.440	1.440	1.328	1.372	3.83
12)		1,3-Dichlorobe...		1.591	1.515	1.526	1.473	1.575	1.556	1.469	1.529	3.13
13)	C	1,4-Dichlorobe...		1.613	1.509	1.536	1.508	1.601	1.579	1.484	1.547	3.27
14)		1,2-Dichlorobe...		1.562	1.451	1.490	1.455	1.551	1.538	1.445	1.499	3.39
15)		Benzyl Alcohol			1.130	1.229	1.244	1.359	1.381	1.268	1.269	7.25
16)		2,2'-oxybis(1-...		2.272	2.091	2.159	2.107	2.251	2.258	2.033	2.167	4.37
17)		2-Methylphenol		1.093	1.085	1.156	1.176	1.253	1.264	1.175	1.172	5.95
18)		Hexachloroethane		0.563	0.532	0.540	0.540	0.572	0.577	0.550	0.553	3.17
19)	P	n-Nitroso-di-n...	0.989	1.103	1.026	1.062	1.080	1.146	1.171	1.024	1.075	5.84
20)		3+4-Methylphenols			1.447	1.566	1.587	1.713	1.754	1.613	1.613	6.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.524	0.498	0.510	0.493	0.517	0.501	0.472	0.502	3.44
23)	S	Nitrobenzene-d5	0.300	0.324	0.334	0.375	0.374	0.407	0.394	0.379	0.361	10.24
24)		Nitrobenzene		0.311	0.312	0.347	0.344	0.373	0.359	0.346	0.342	6.69
25)		Isophorone		0.727	0.682	0.702	0.713	0.759	0.756	0.691	0.719	4.22
26)	C	2-Nitrophenol		0.082	0.085	0.115	0.128	0.149	0.156	0.163	0.126	26.35
27)		2,4-Dimethylph...		0.380	0.319	0.308	0.324	0.342	0.335	0.311	0.331	7.40
28)		bis(2-Chloroet...		0.457	0.415	0.437	0.431	0.457	0.450	0.413	0.437	4.28
29)	C	2,4-Dichloroph...		0.249	0.259	0.293	0.296	0.317	0.315	0.300	0.290	9.05
30)		1,2,4-Trichlor...		0.328	0.312	0.324	0.312	0.334	0.321	0.309	0.320	2.92
31)		Naphthalene		1.093	1.014	1.044	1.017	1.075	1.049	0.977	1.038	3.77
32)		Benzoic acid			0.070	0.127	0.169	0.191	0.217	0.233	0.168	36.22
33)		4-Chloroaniline		0.449	0.435	0.460	0.459	0.495	0.482	0.453	0.462	4.41
34)	C	Hexachlorobuta...		0.191	0.178	0.185	0.180	0.188	0.185	0.180	0.184	2.60
35)		Caprolactam			0.095	0.105	0.115	0.122	0.124	0.113	0.113	9.54
36)	C	4-Chloro-3-met...		0.310	0.303	0.327	0.341	0.368	0.363	0.338	0.336	7.31
37)		2-Methylnaphth...		0.697	0.653	0.665	0.656	0.701	0.688	0.644	0.672	3.41
38)		1-Methylnaphth...		0.742	0.683	0.703	0.684	0.739	0.706	0.650	0.701	4.63

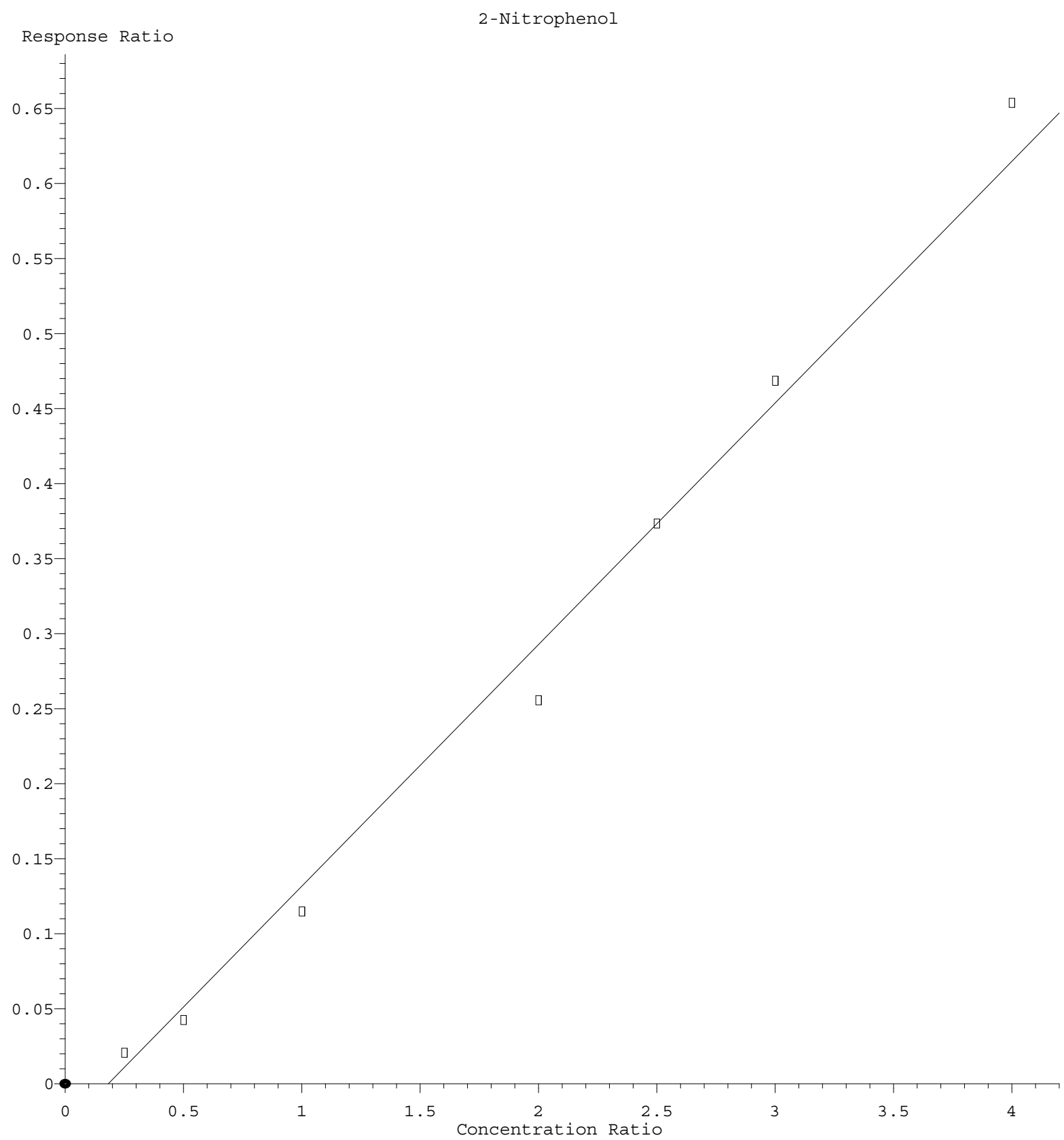
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

39)	I	Acenaphthene-d10	----------ISTD----------									
40)		1,2,4,5-Tetrac...		0.551	0.530	0.564	0.547	0.557	0.542	0.532	0.546	2.32
41)	P	Hexachlorocycl...			0.291	0.324	0.331	0.358	0.355	0.363	0.337	8.13
42)	S	2,4,6-Tribromo...	0.151	0.171	0.182	0.210	0.212	0.229	0.225	0.215	0.200	14.11
43)	C	2,4,6-Trichlor...		0.279	0.301	0.359	0.367	0.395	0.386	0.383	0.353	12.75
44)		2,4,5-Trichlor...		0.310	0.342	0.408	0.412	0.437	0.438	0.423	0.396	12.56
45)	S	2-Fluorobiphenyl	1.502	1.551	1.453	1.479	1.444	1.464	1.389	1.303	1.448	5.17
46)		1,1'-Biphenyl		1.518	1.461	1.524	1.449	1.517	1.454	1.395	1.474	3.26
47)		2-Chloronaphth...		1.138	1.098	1.157	1.106	1.159	1.124	1.089	1.124	2.50
48)		2-Nitroaniline		0.187	0.212	0.287	0.308	0.344	0.341	0.337	0.288	22.33
49)		Acenaphthylene		1.859	1.841	1.901	1.868	1.971	1.890	1.800	1.876	2.86
50)		Dimethylphthalate		1.522	1.403	1.470	1.431	1.532	1.474	1.373	1.458	4.05
51)		2,6-Dinitrotol...		0.178	0.217	0.278	0.287	0.308	0.309	0.304	0.269	19.03
52)	C	Acenaphthene		1.164	1.120	1.156	1.114	1.201	1.147	1.107	1.144	2.92
53)		3-Nitroaniline		0.217	0.256	0.317	0.333	0.362	0.360	0.359	0.315	18.17
54)	P	2,4-Dinitrophenol			0.059	0.080	0.095	0.117	0.129	0.149	0.105	31.45
55)		Dibenzofuran		1.804	1.711	1.735	1.681	1.762	1.700	1.574	1.710	4.25
56)	P	4-Nitrophenol			0.199	0.270	0.284	0.308	0.308	0.298	0.278	14.89
57)		2,4-Dinitrotol...		0.213	0.257	0.361	0.390	0.431	0.432	0.430	0.359	25.01
58)		Fluorene		1.500	1.398	1.379	1.316	1.360	1.284	1.163	1.343	7.79
59)		2,3,4,6-Tetrac...		0.262	0.286	0.339	0.344	0.366	0.366	0.351	0.331	12.26
60)		Diethylphthalate		1.518	1.416	1.498	1.440	1.528	1.508	1.381	1.470	3.91
61)		4-Chlorophenyl...		0.722	0.638	0.651	0.631	0.642	0.614	0.558	0.637	7.67
62)		4-Nitroaniline		0.227	0.263	0.324	0.338	0.348	0.344	0.339	0.312	15.24
63)		Azobenzene		1.412	1.340	1.375	1.351	1.400	1.376	1.306	1.366	2.67
64)	I	Phenanthrene-d10	----------ISTD----------									
65)		4,6-Dinitro-2-...			0.041	0.063	0.075	0.093	0.102	0.107	0.080	31.69
66)	c	n-Nitrosodiphe...		0.606	0.601	0.618	0.605	0.638	0.624	0.572	0.609	3.40
67)		4-Bromophenyl-...		0.200	0.194	0.202	0.199	0.211	0.208	0.194	0.201	3.31
68)		Hexachlorobenzene		0.232	0.222	0.224	0.220	0.233	0.231	0.218	0.226	2.78
69)		Atrazine		0.201	0.199	0.218	0.212	0.231	0.229	0.209	0.214	5.78
70)	C	Pentachlorophenol			0.104	0.139	0.144	0.161	0.160	0.156	0.144	14.88
71)		Phenanthrene		1.161	1.101	1.097	1.073	1.132	1.097	1.007	1.095	4.40
72)		Anthracene		1.104	1.093	1.129	1.095	1.151	1.143	1.017	1.105	4.08
73)		Carbazole		1.062	1.069	1.086	1.052	1.101	1.067	0.985	1.060	3.46
74)		Di-n-butylphth...		1.198	1.188	1.337	1.290	1.376	1.369	1.221	1.283	6.30
75)	C	Fluoranthene		1.321	1.288	1.291	1.252	1.314	1.268	1.143	1.268	4.74
76)	I	Chrysene-d12	----------ISTD----------									
77)		Benzidine			0.668	0.762	0.970	0.726	0.642	0.574	0.724	18.96
78)		Pyrene		1.321	1.314	1.350	1.289	1.406	1.348	1.282	1.330	3.21
79)	S	Terphenyl-d14	1.060	1.140	1.083	1.096	1.046	1.082	1.017	0.947	1.059	5.47
80)		Butylbenzylpht...		0.399	0.413	0.554	0.565	0.627	0.631	0.586	0.539	17.70
81)		Benzo(a)anthra...		1.346	1.308	1.357	1.302	1.382	1.349	1.260	1.329	3.11
82)		3,3'-Dichlorob...			0.414	0.484	0.473	0.501	0.481	0.461	0.469	6.39
83)		Chrysene		1.257	1.193	1.257	1.217	1.289	1.250	1.165	1.233	3.49
84)		Bis(2-ethylhex...		0.735	0.713	0.903	0.892	0.939	0.965	0.882	0.861	11.39
85)	c	Di-n-octyl pht...			1.011	1.434	1.502	1.543	1.634	1.526	1.442	15.32

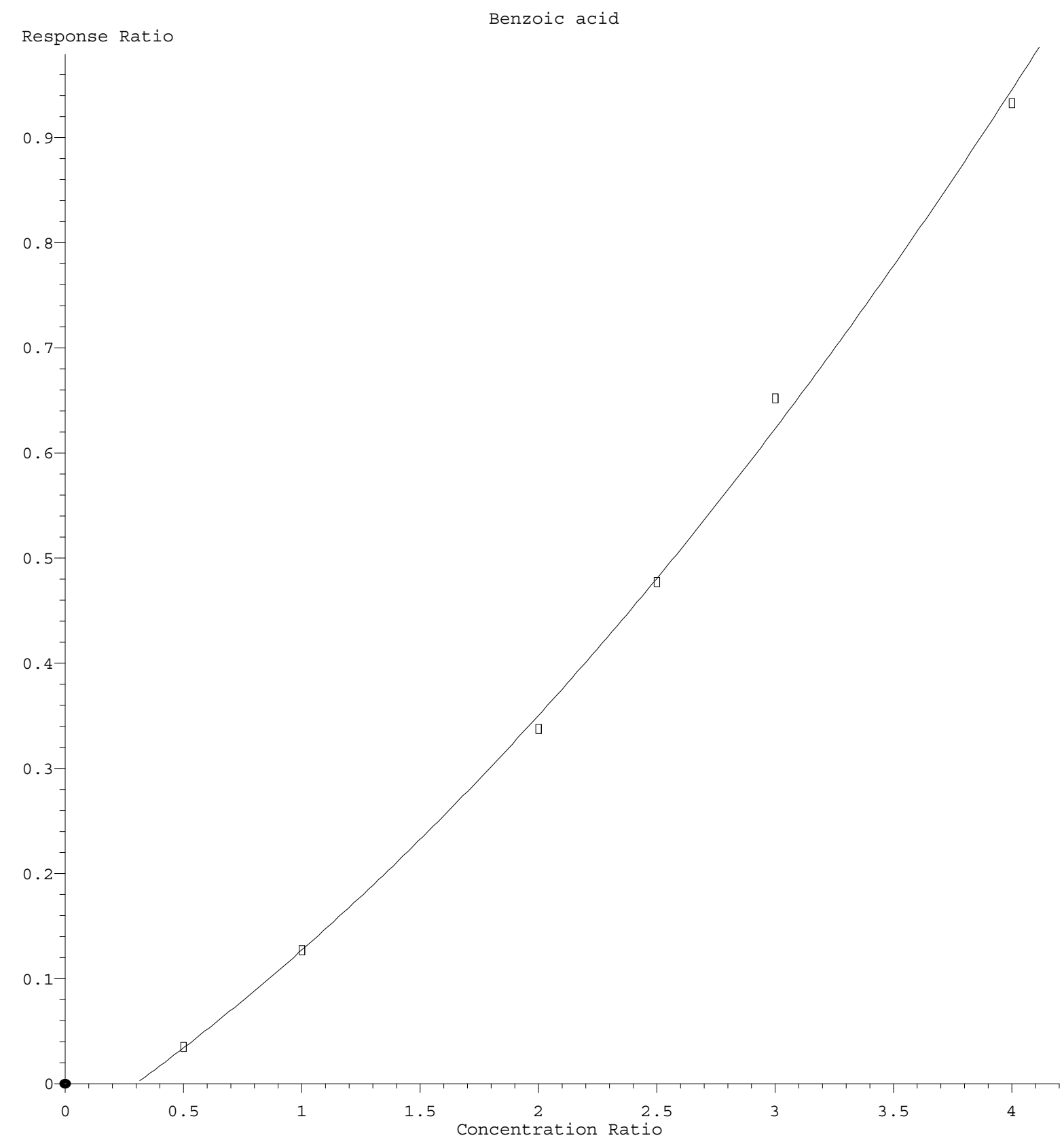
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

86)	I	Perylene-d12	----------ISTD----------								
87)		Indeno(1,2,3-c...	1.374	1.302	1.436	1.443	1.546	1.494	1.440	1.434	5.50
88)		Benzo(b)fluora...	1.182	1.151	1.194	1.179	1.290	1.217	1.168	1.197	3.82
89)		Benzo(k)fluora...	1.191	1.145	1.189	1.171	1.264	1.210	1.139	1.187	3.56
90)	C	Benzo(a)pyrene	1.116	1.108	1.148	1.151	1.229	1.190	1.129	1.153	3.74
91)		Dibenzo(a,h)an...	1.135	1.077	1.166	1.185	1.261	1.219	1.175	1.174	5.02
92)		Benzo(g,h,i)pe...	1.126	1.051	1.149	1.153	1.243	1.186	1.157	1.152	5.04

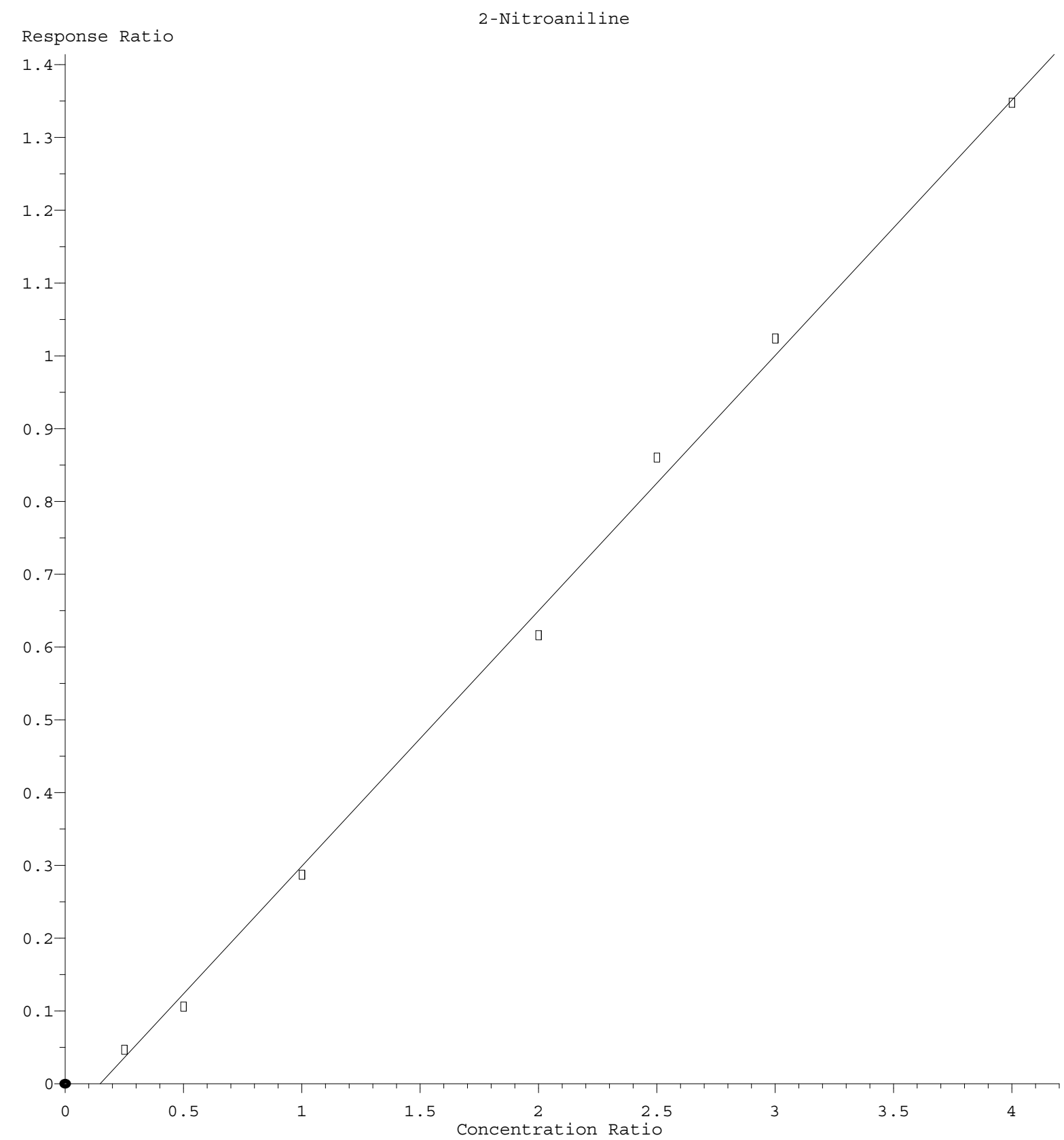
(#) = Out of Range



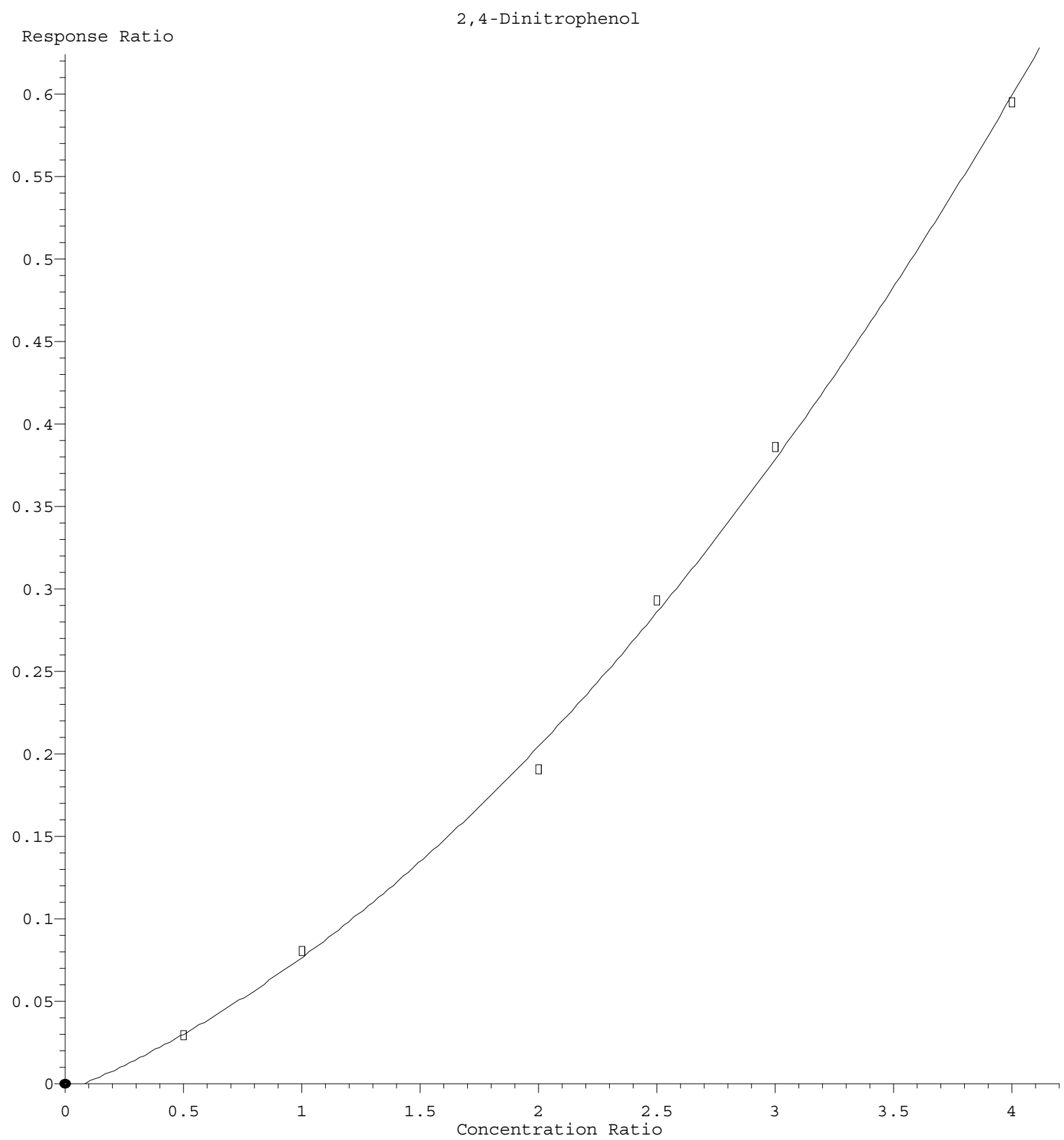
Response = 1.611e-001 * Amt - 2.930e-002
Coef of Det (r^2) = 0.990043 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



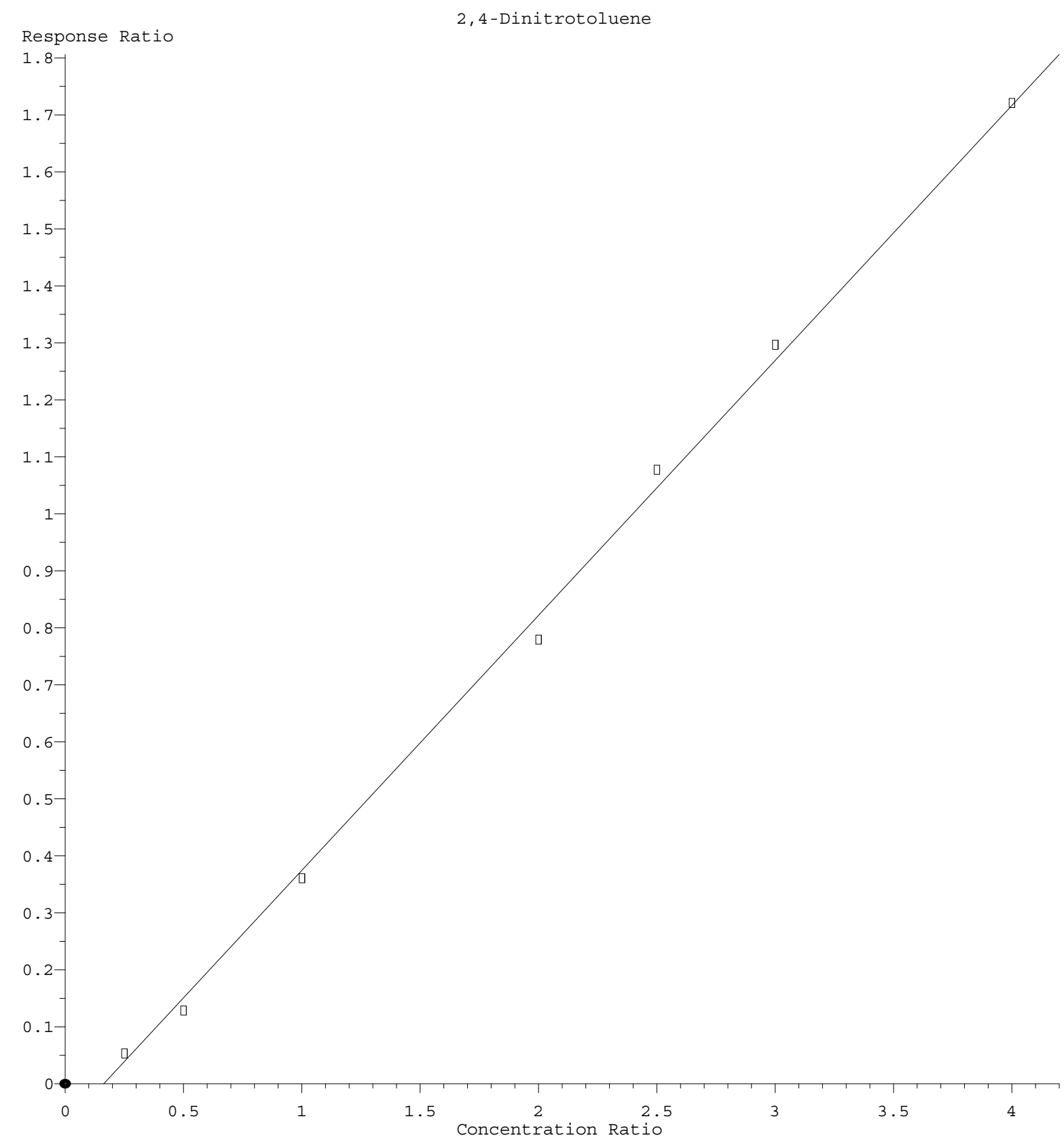
R = 2.477e-002 A*A + 1.489e-001 A - 4.651e-002
Coef of Det (r^2) = 0.998646 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



Response = 3.511e-001 * Amt - 5.203e-002
Coef of Det (r^2) = 0.997329 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025

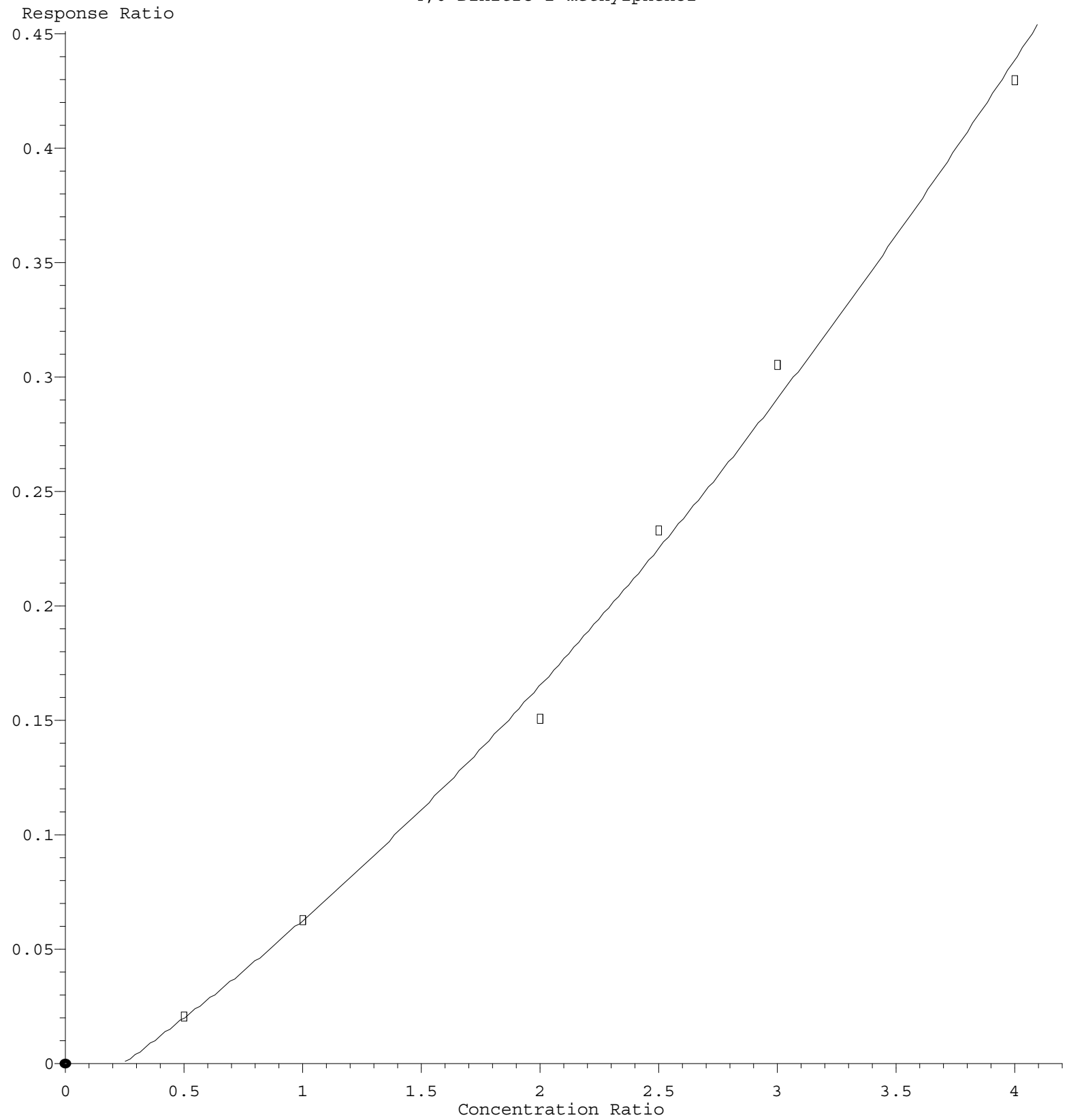


R = 2.317e-002 A*A + 5.829e-002 A - 4.826e-003
Coef of Det (r^2) = 0.998598 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



Response = 4.472e-001 * Amt - 7.278e-002
Coef of Det (r^2) = 0.997623 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025

4,6-Dinitro-2-methylphenol



R = 1.136e-002 A*A + 6.849e-002 A - 1.722e-002
Coef of Det (r^2) = 0.996451 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025298.D
Acq On : 05 Aug 2025 12:03
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 06 05:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	172992	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	722061	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	469671	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	927131	20.000	ng	-0.01
76) Chrysene-d12	21.660	240	1039870	20.000	ng	0.00
86) Perylene-d12	25.036	264	1150516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	51334	4.742	ng	-0.01
7) Phenol-d6	6.949	99	66396	4.649	ng	-0.02
23) Nitrobenzene-d5	8.931	82	54242	4.064	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	17694	3.649	ng	-0.01
45) 2-Fluorobiphenyl	13.025	172	176352	5.214	ng	0.00
79) Terphenyl-d14	19.942	244	275667	5.008	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.584	70	21391	2.300	ng	96

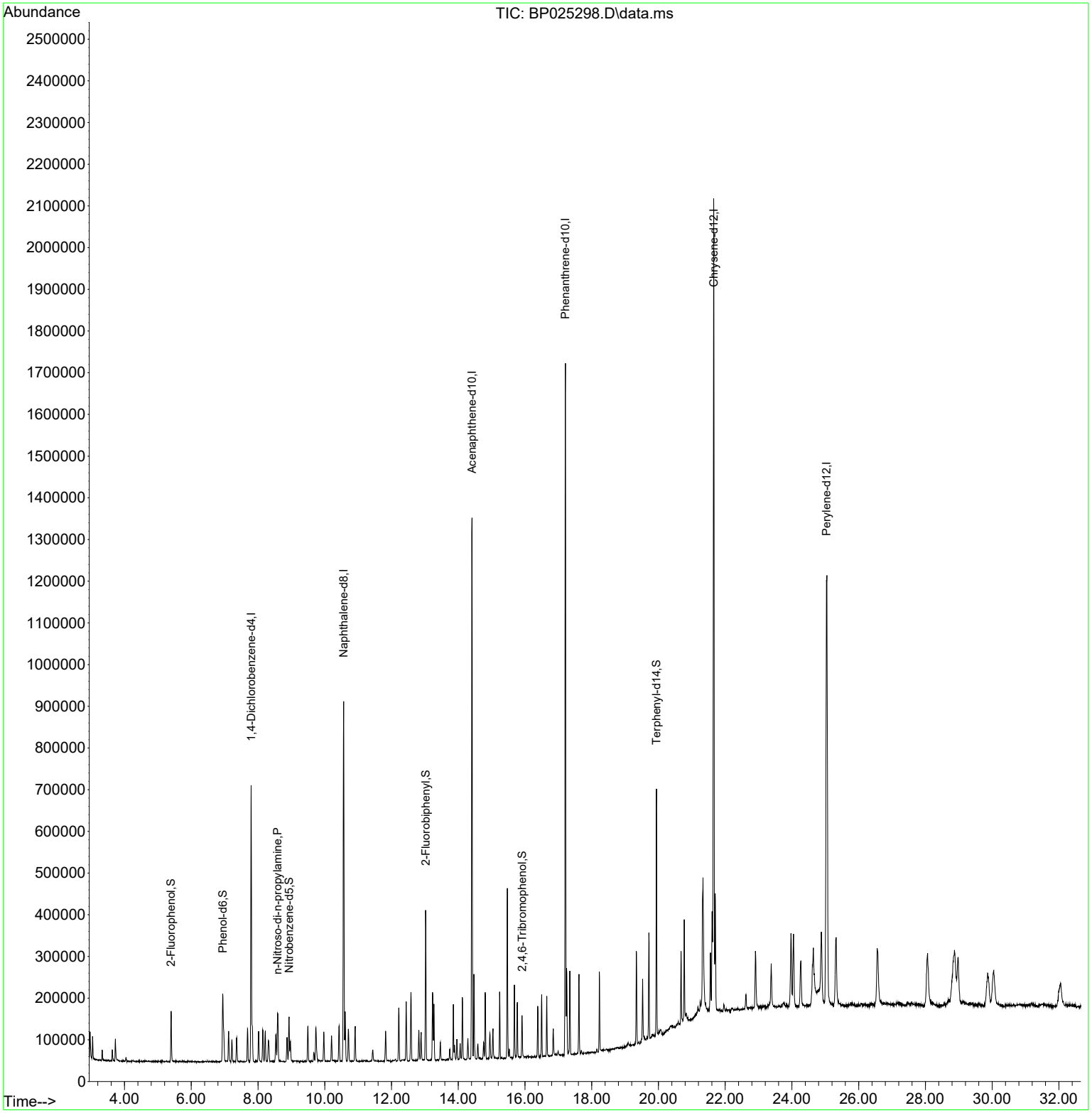
(#) = qualifier out of range (m) = manual integration (+) = signals summed

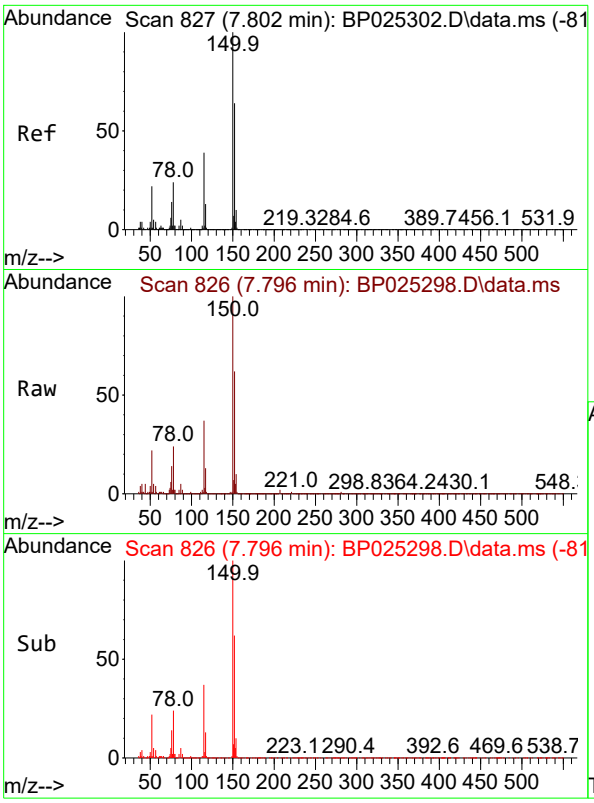
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025298.D
Acq On : 05 Aug 2025 12:03
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 06 05:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



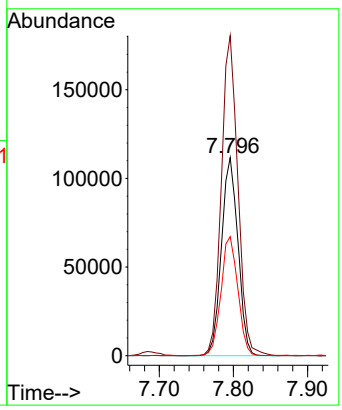


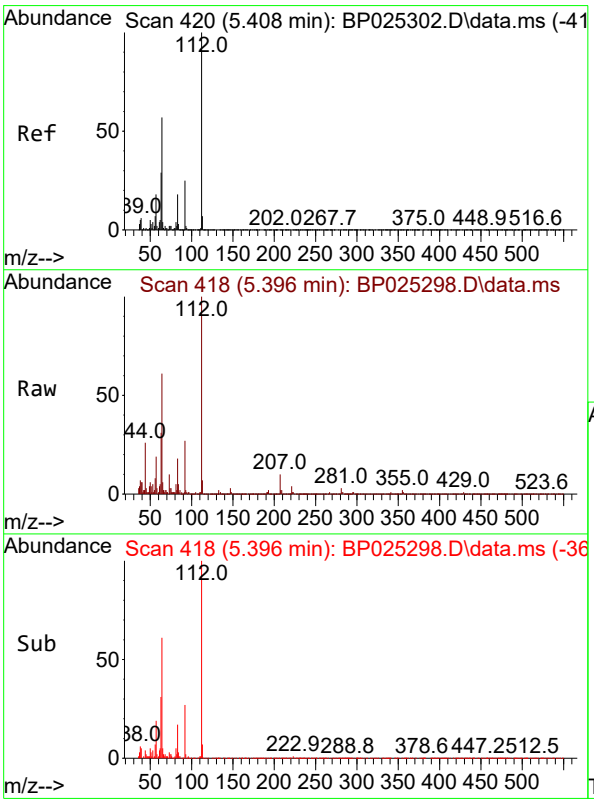
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 172992

Ion	Ratio	Lower	Upper
152	100		
150	161.6	125.1	187.7
115	60.1	48.4	72.6

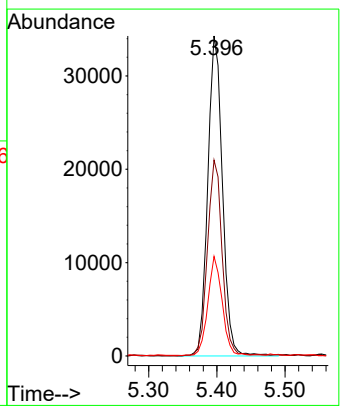


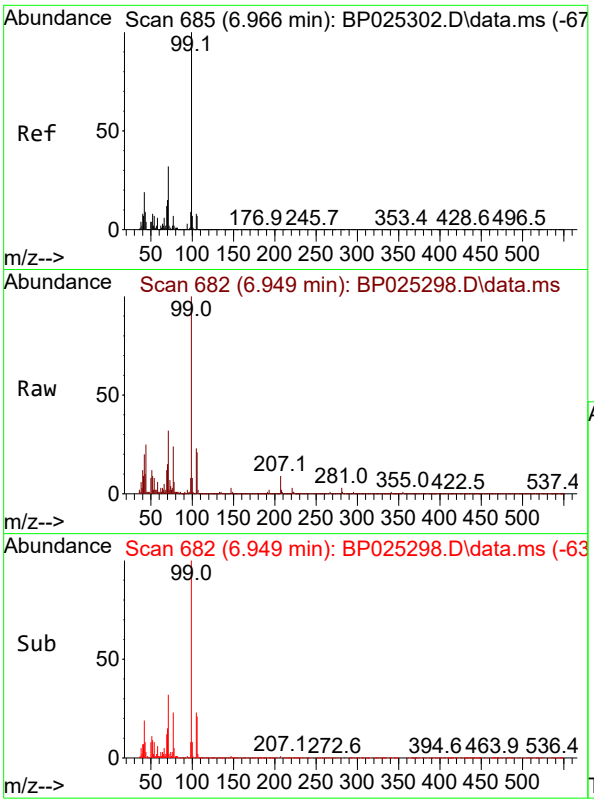


#5
2-Fluorophenol
Concen: 4.742 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:112 Resp: 51334

Ion	Ratio	Lower	Upper
112	100		
64	61.2	45.3	67.9
63	31.1	23.0	34.6



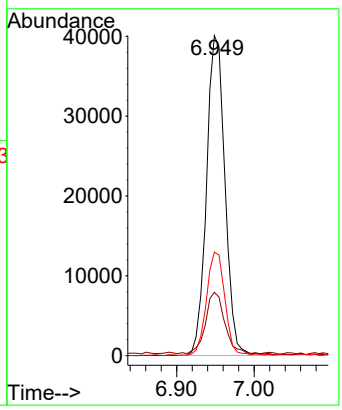


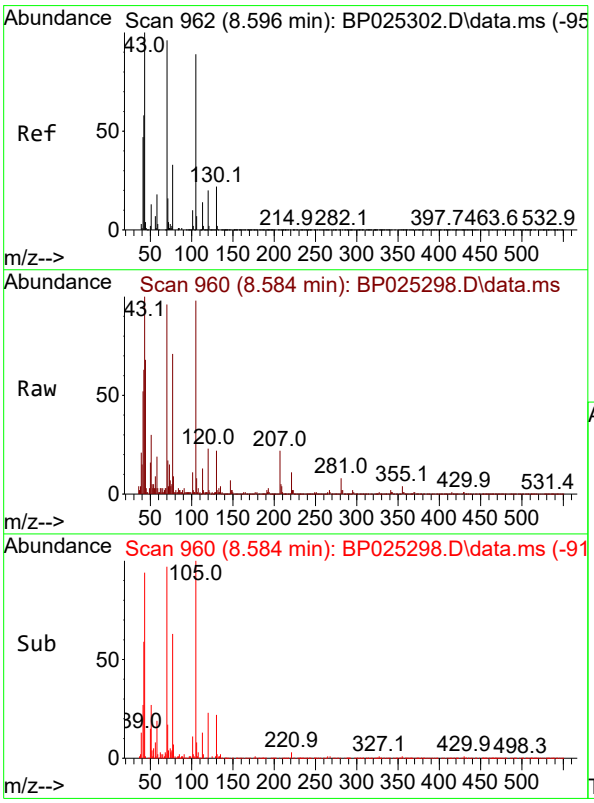
#7
Phenol-d6
Concen: 4.649 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.017 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99 Resp: 66396

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.0	22.6
71	32.3	25.5	38.3

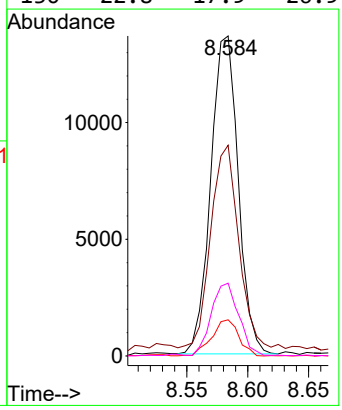


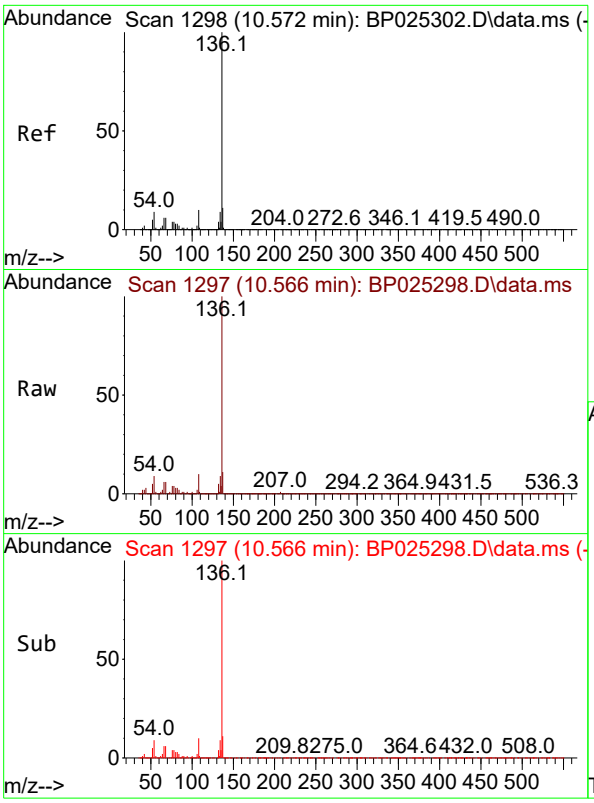


#19
n-Nitroso-di-n-propylamine
Concen: 2.300 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 70 Resp: 21391

Ion	Ratio	Lower	Upper
70	100		
42	65.9	49.4	74.0
101	11.3	7.9	11.9
130	22.8	17.9	26.9



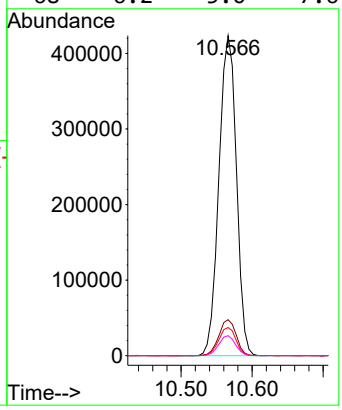


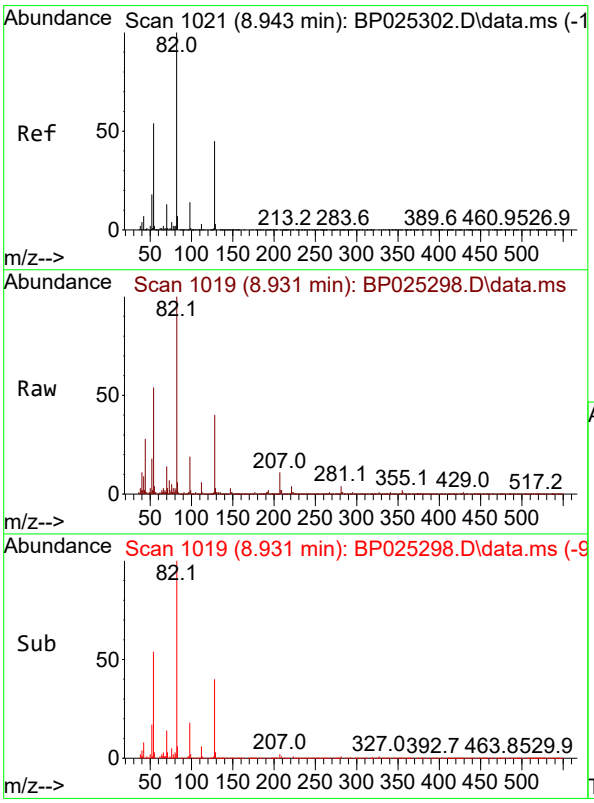
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 722061

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.8	7.0	10.6
68	6.2	5.0	7.6

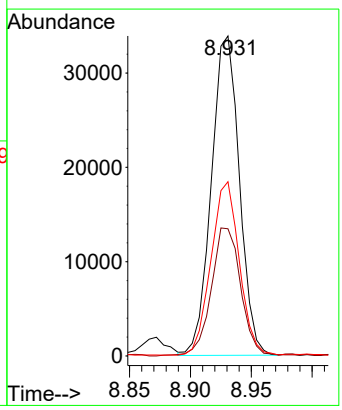


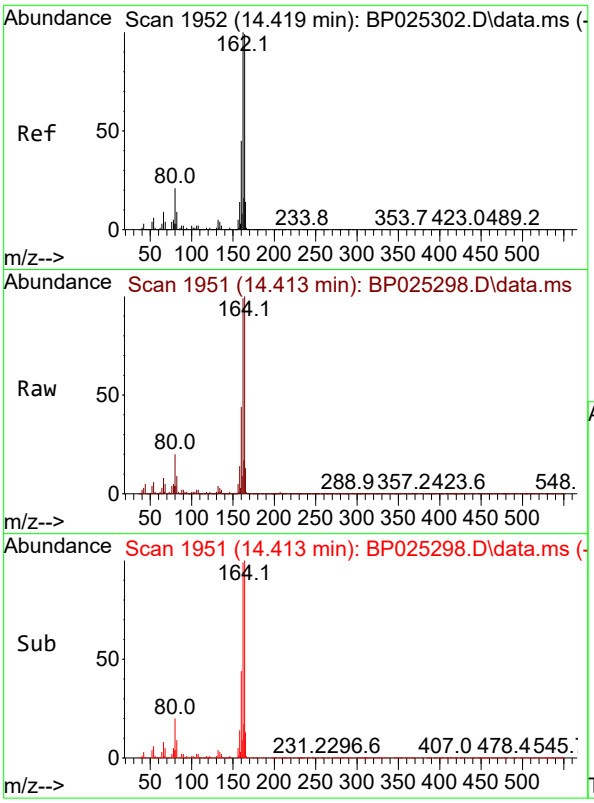


#23
Nitrobenzene-d5
Concen: 4.064 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 82 Resp: 54242

Ion	Ratio	Lower	Upper
82	100		
128	39.7	35.4	53.2
54	54.5	42.9	64.3



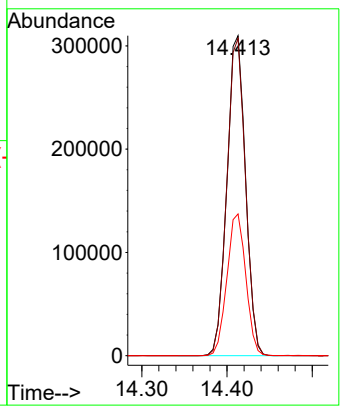


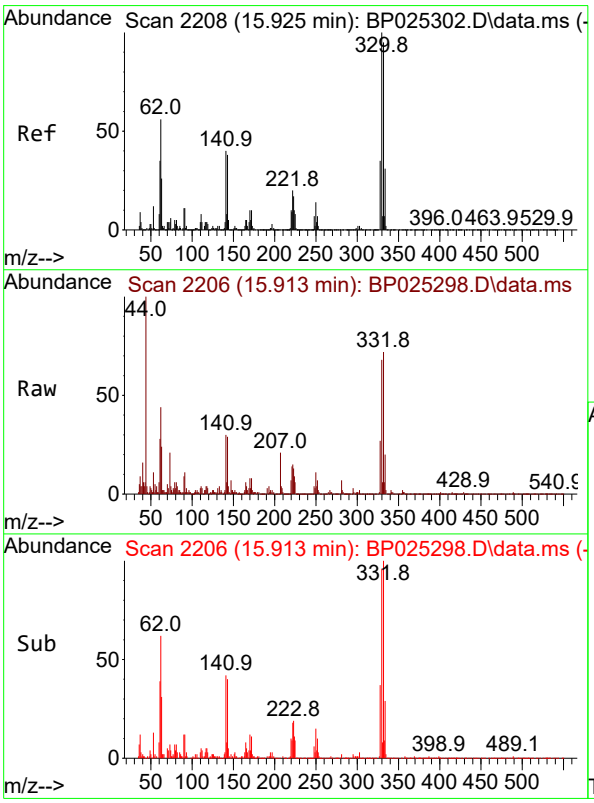
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 469671

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	44.3	35.9	53.9

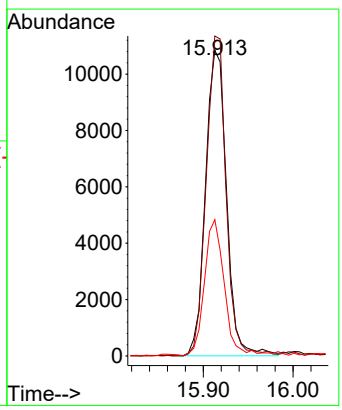


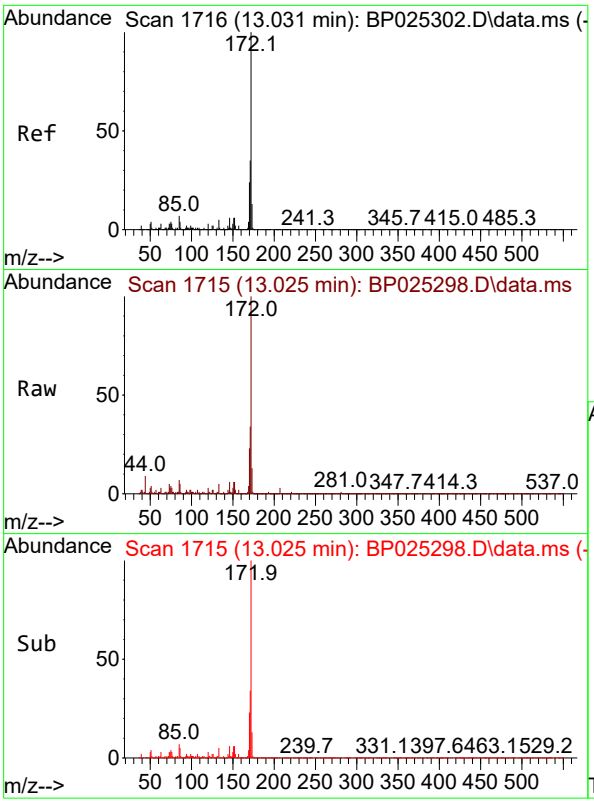


#42
2,4,6-Tribromophenol
Concen: 3.649 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:330 Resp: 17694

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.0
141	41.6	31.7	47.5



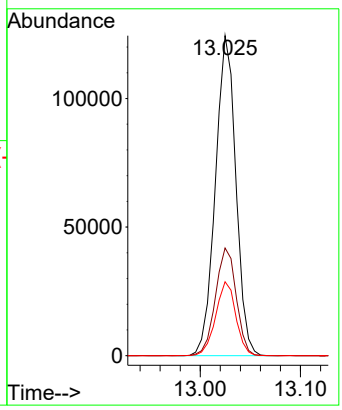


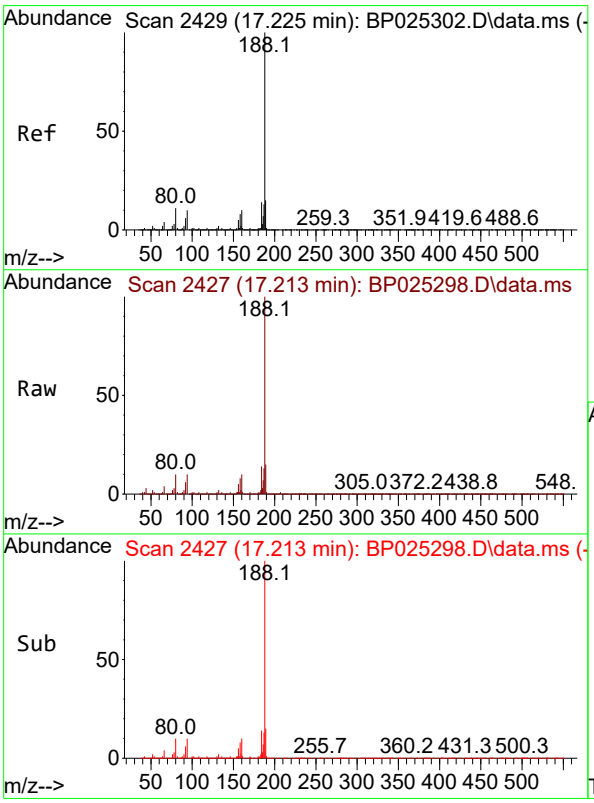
#45
2-Fluorobiphenyl
Concen: 5.214 ng
RT: 13.025 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:172 Resp: 176352

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.9	41.9
170	23.1	18.9	28.3

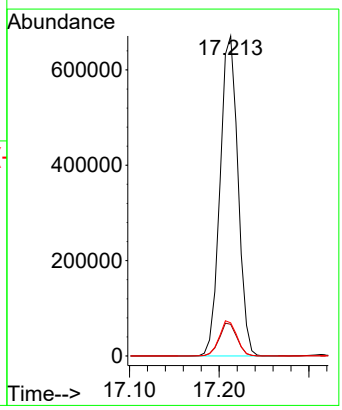


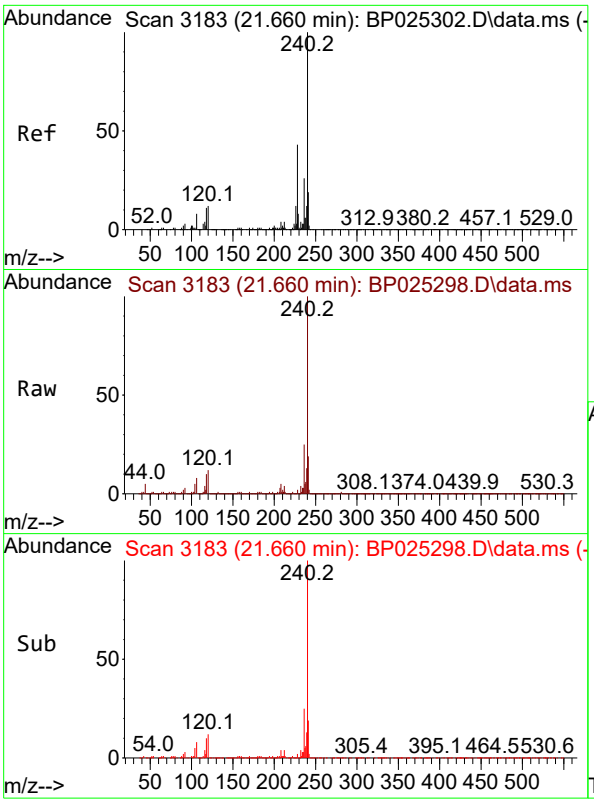


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:188 Resp: 927131

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.4	8.5	12.7



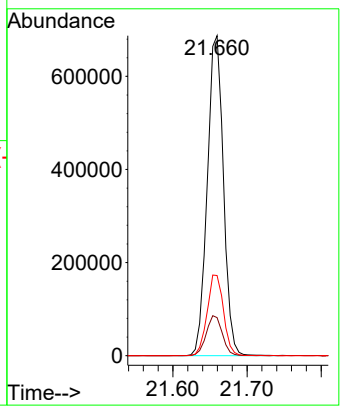


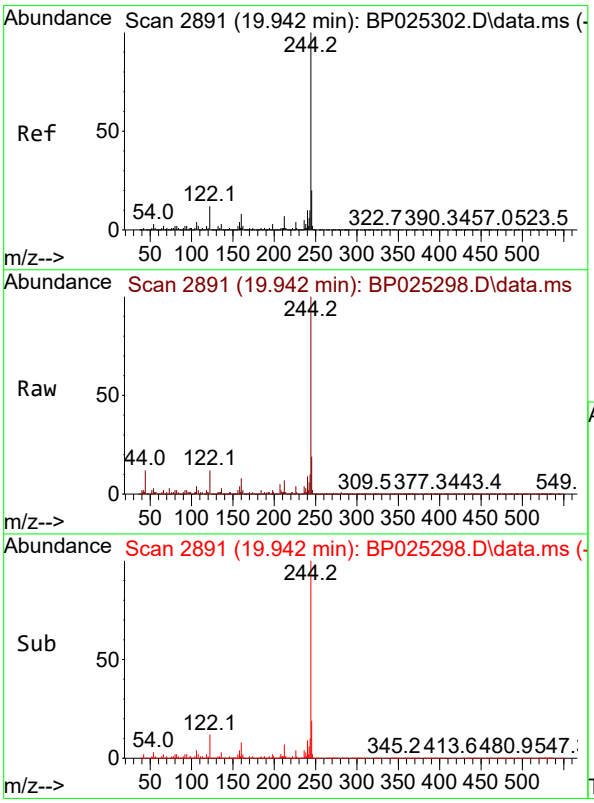
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1039870

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.6	14.4
236	25.1	20.4	30.6

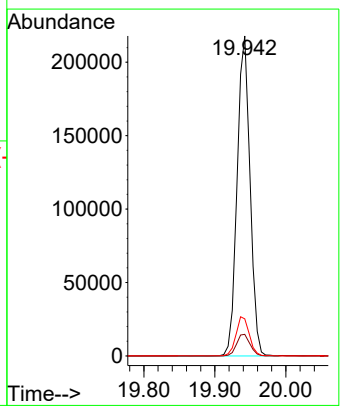


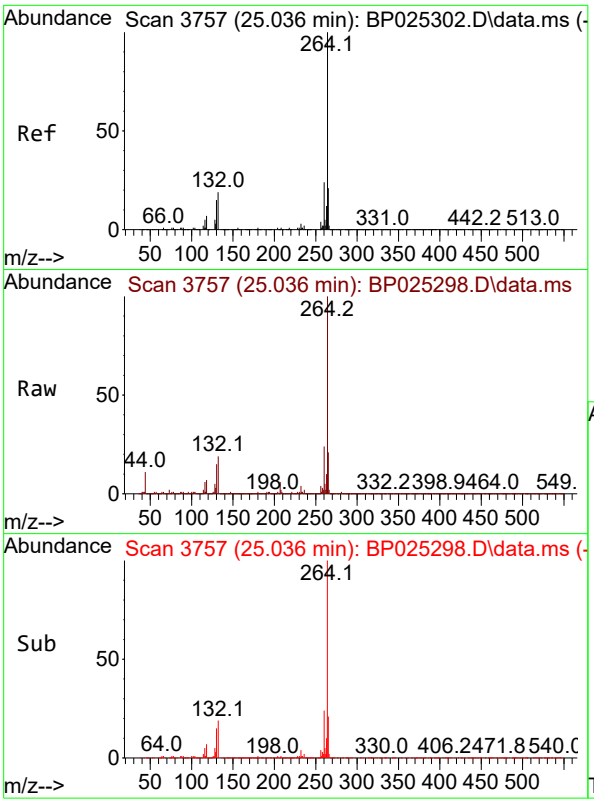


#79
Terphenyl-d14
Concen: 5.008 ng
RT: 19.942 min Scan# 2891
Delta R.T. 0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:244 Resp: 275667

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.6	9.5	14.3



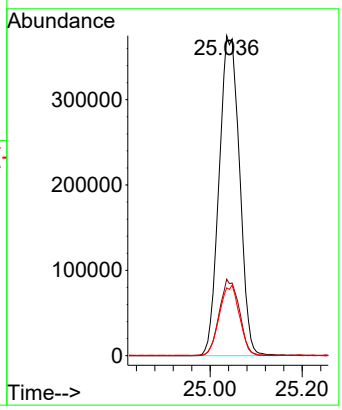


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1150516

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.1	25.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	160859	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	694615	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	469306	20.000	ng		-0.01
64) Phenanthrene-d10	17.207	188	965802	20.000	ng		-0.02
76) Chrysene-d12	21.660	240	1018856	20.000	ng		0.00
86) Perylene-d12	25.036	264	1088697	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	100387	9.973	ng		0.00
7) Phenol-d6	6.955	99	127649	9.613	ng		-0.01
23) Nitrobenzene-d5	8.931	82	112678	8.777	ng		-0.01
42) 2,4,6-Tribromophenol	15.919	330	40199	8.296	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	363946	10.769	ng		0.00
79) Terphenyl-d14	19.930	244	580916	10.771	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	21535	5.456	ng		94
3) Pyridine	3.725	79	55019	5.017	ng		97
6) Aniline	7.125	93	87740	4.856	ng		98
8) 2-Chlorophenol	7.366	128	50305	4.595	ng		98
10) Phenol	6.984	94	68139	4.838	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	55859	5.062	ng		99
12) 1,3-Dichlorobenzene	7.696	146	63992	5.202	ng		98
13) 1,4-Dichlorobenzene	7.837	146	64858	5.212	ng		99
14) 1,2-Dichlorobenzene	8.149	146	62802	5.209	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	91371	5.242	ng		97
17) 2-Methylphenol	8.219	107	43943	4.663	ng		99
18) Hexachloroethane	8.872	117	22659	5.091	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	44357	5.129	ng		95
22) Acetophenone	8.602	105	91026	5.220	ng	#	99
24) Nitrobenzene	8.972	77	54037	4.553	ng		95
25) Isophorone	9.502	82	126178	5.056	ng		100
26) 2-Nitrophenol	9.684	139	14308	6.196	ng		96
27) 2,4-Dimethylphenol	9.743	122	65928	5.730	ng		98
28) bis(2-Chloroethoxy)met...	9.978	93	79327	5.225	ng		99
29) 2,4-Dichlorophenol	10.213	162	43275	4.296	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	56908	5.120	ng		95
31) Naphthalene	10.619	128	189737	5.262	ng		98
33) 4-Chloroaniline	10.713	127	77884	4.856	ng		97
34) Hexachlorobutadiene	10.913	225	33118	5.191	ng		96
36) 4-Chloro-3-methylphenol	11.825	107	53910	4.625	ng		96
37) 2-Methylnaphthalene	12.225	142	120994	5.184	ng		98
38) 1-Methylnaphthalene	12.443	142	128838	5.290	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	64686	5.049	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	32753	3.957	ng		98
44) 2,4,5-Trichlorophenol	12.895	196	36376	3.918	ng		98
46) 1,1'-Biphenyl	13.237	154	178122	5.150	ng		99
47) 2-Chloronaphthalene	13.278	162	133568	5.062	ng		98
48) 2-Nitroaniline	13.466	65	21912	5.624	ng		98
49) Acenaphthylene	14.125	152	218072	4.955	ng		99
50) Dimethylphthalate	13.860	163	178572	5.220	ng		100
51) 2,6-Dinitrotoluene	13.972	165	20906	3.313	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.472	154	136584	5.088	ng		99
53) 3-Nitroaniline	14.295	138	25435	3.445	ng	#	96
55) Dibenzofuran	14.813	168	211708	5.277	ng		100
57) 2,4-Dinitrotoluene	14.760	165	24944	5.632	ng	#	93
58) Fluorene	15.472	166	175964	5.584	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.037	232	30755m	3.942	ng		
60) Diethylphthalate	15.248	149	178152	5.165	ng		100
61) 4-Chlorophenyl-phenyle...	15.466	204	84717	5.671	ng		98
62) 4-Nitroaniline	15.466	138	26612	3.637	ng		93
63) Azobenzene	15.766	77	165659	5.170	ng		97
66) n-Nitrosodiphenylamine	15.684	169	146252	4.973	ng		98
67) 4-Bromophenyl-phenylether	16.384	248	48376	4.978	ng		89
68) Hexachlorobenzene	16.495	284	56081	5.143	ng		97
69) Atrazine	16.660	200	48622	4.702	ng		99
71) Phenanthrene	17.254	178	280407	5.301	ng		99
72) Anthracene	17.348	178	266474	4.996	ng		99
73) Carbazole	17.619	167	256385	5.008	ng		99
74) Di-n-butylphthalate	18.225	149	289176	4.669	ng		99
75) Fluoranthene	19.336	202	318877	5.207	ng		99
78) Pyrene	19.713	202	336486	4.966	ng		100
80) Butylbenzylphthalate	20.677	149	101682	3.701	ng		100
81) Benzo(a)anthracene	21.636	228	342927	5.065	ng		99
83) Chrysene	21.707	228	320171	5.098	ng		100
84) Bis(2-ethylhexyl)phtha...	21.607	149	187300	4.269	ng		100
87) Indeno(1,2,3-cd)pyrene	28.865	276	373927m	4.785	ng		
88) Benzo(b)fluoranthene	23.960	252	321726	4.937	ng		99
89) Benzo(k)fluoranthene	24.030	252	324095	5.016	ng		99
90) Benzo(a)pyrene	24.860	252	303778	4.840	ng		99
91) Dibenzo(a,h)anthracene	28.959	278	308846	4.833	ng		99
92) Benzo(g,h,i)perylene	30.042	276	306565	4.886	ng		98

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

ICAL Form

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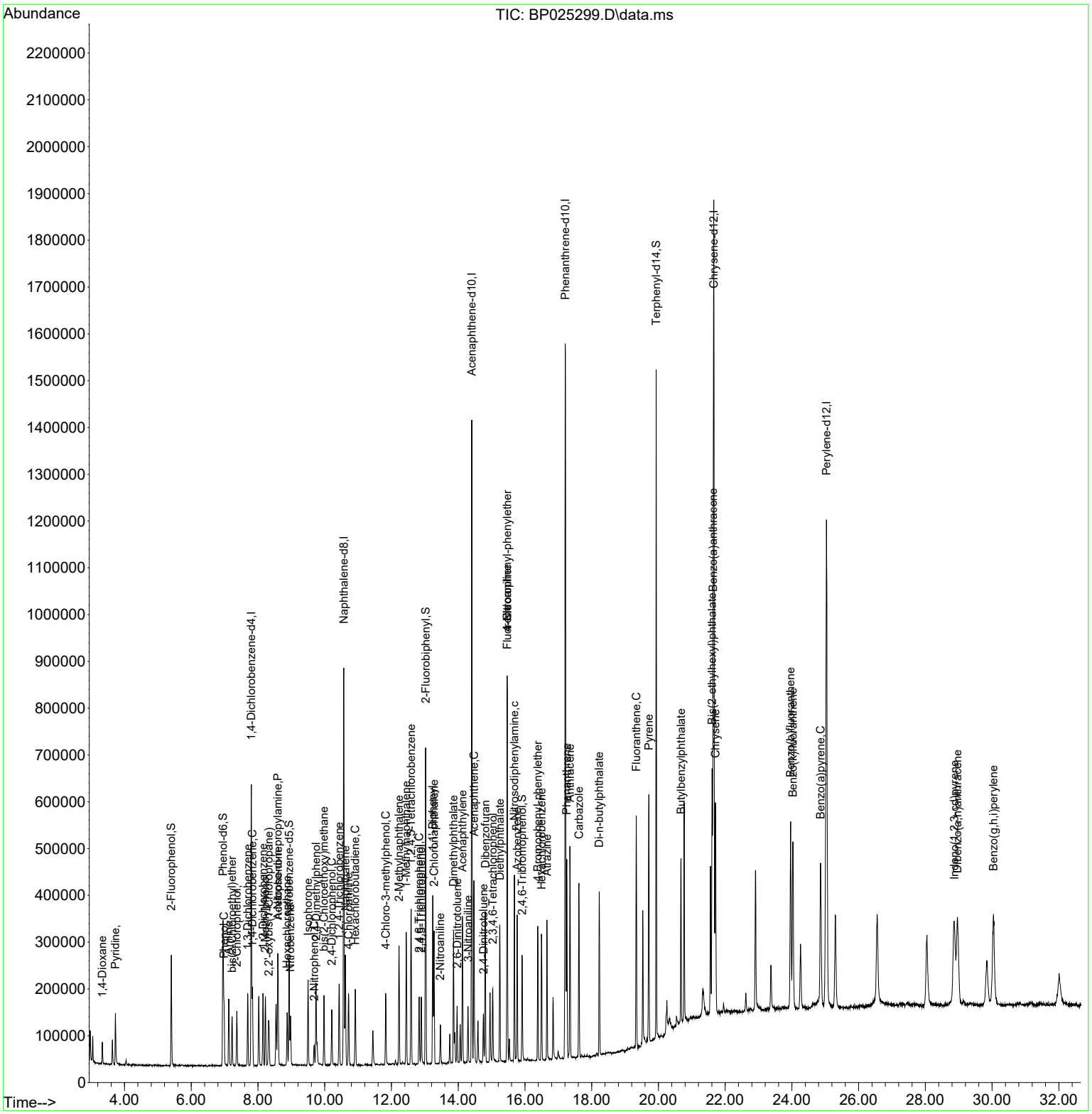
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

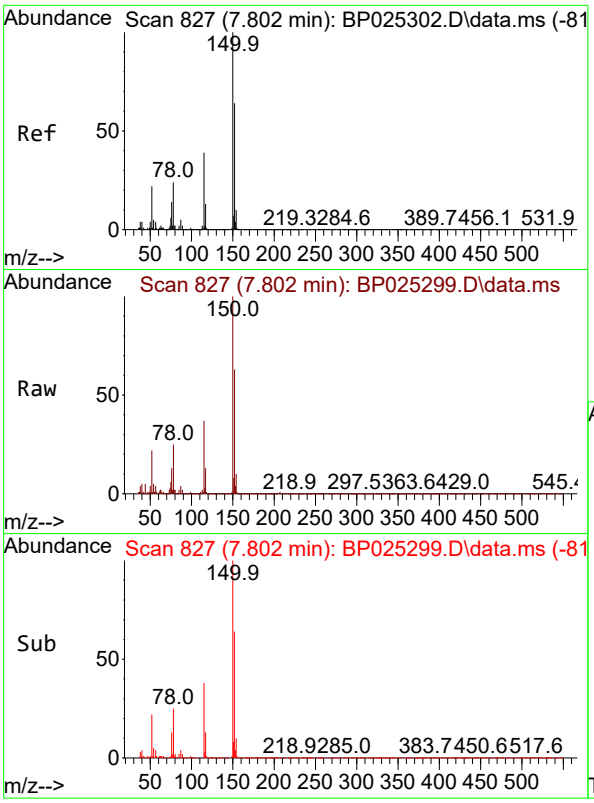
Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

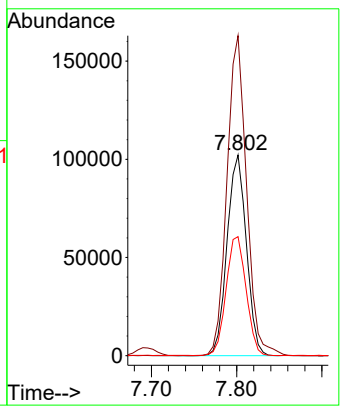




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:152 Resp: 16085

Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.1	187.7
115	59.3	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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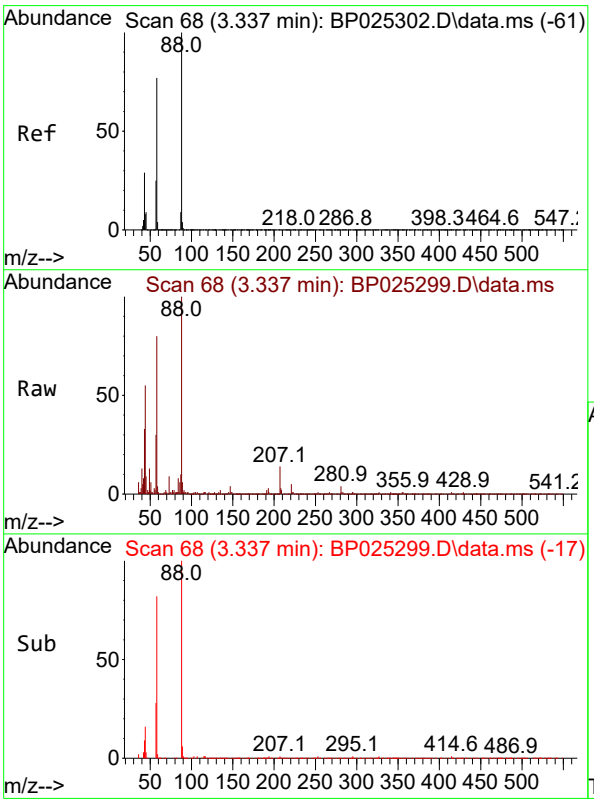
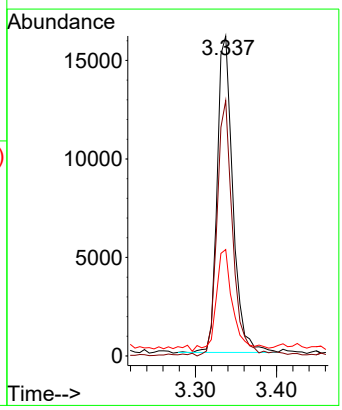
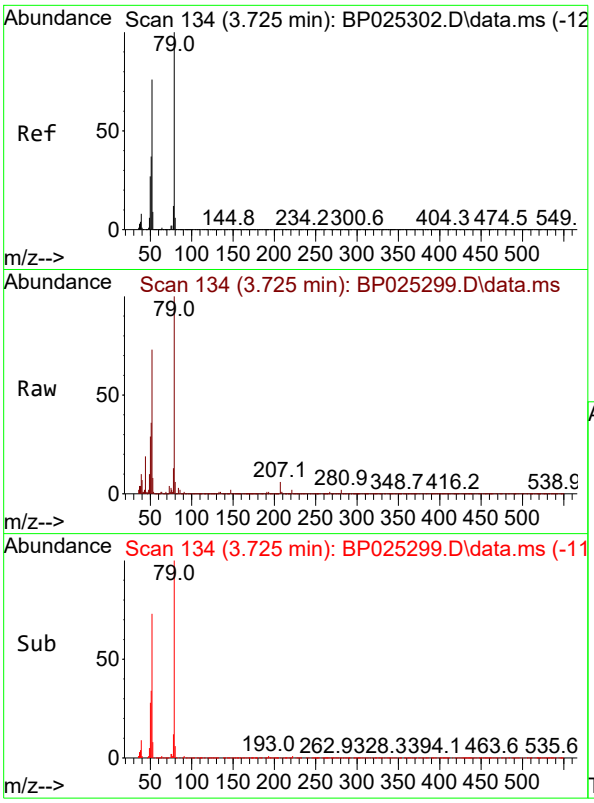


#2
1,4-Dioxane
Concen: 5.456 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 88 Resp: 21535

Ion	Ratio	Lower	Upper
88	100		
58	82.2	61.9	92.9
43	35.0	24.2	36.2

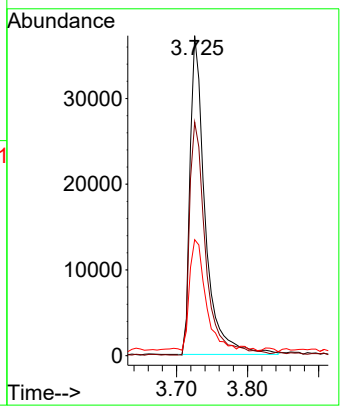




#3
Pyridine
Concen: 5.017 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 79 Resp: 5501

Ion	Ratio	Lower	Upper
79	100		
52	73.0	60.5	90.7
51	36.2	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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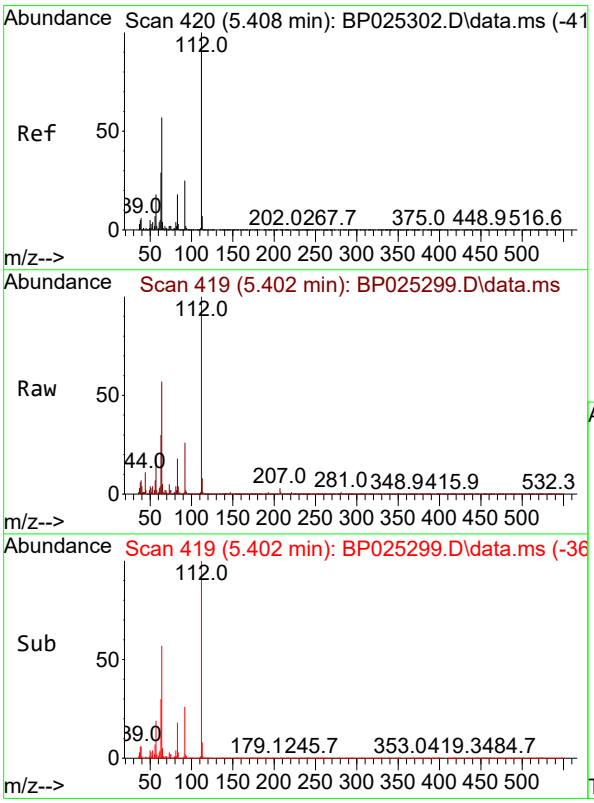
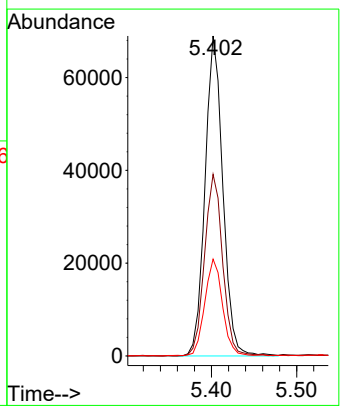
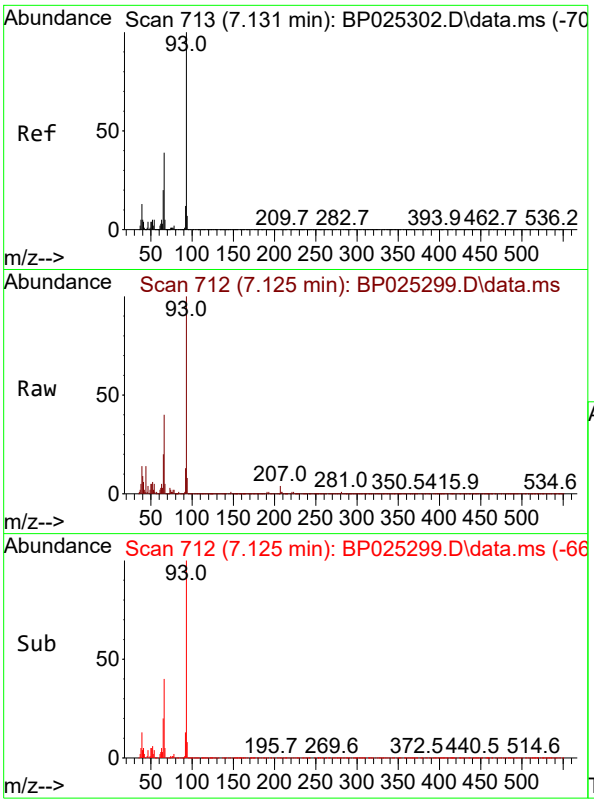


#5
2-Fluorophenol
Concen: 9.973 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:112 Resp: 100387

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.3	67.9
63	30.3	23.0	34.6

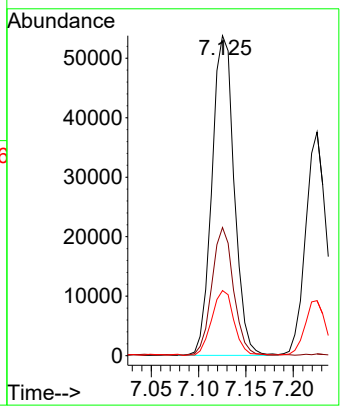




#6
Aniline
Concen: 4.856 ng
RT: 7.125 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 8774

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.1	46.7
65	20.3	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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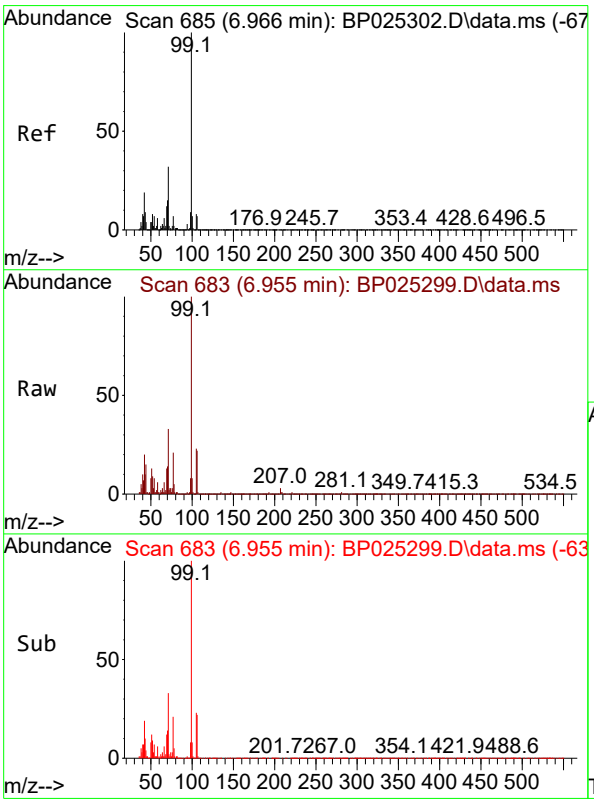
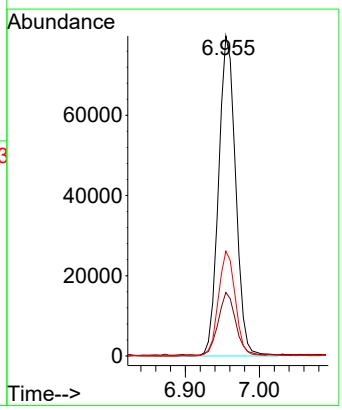
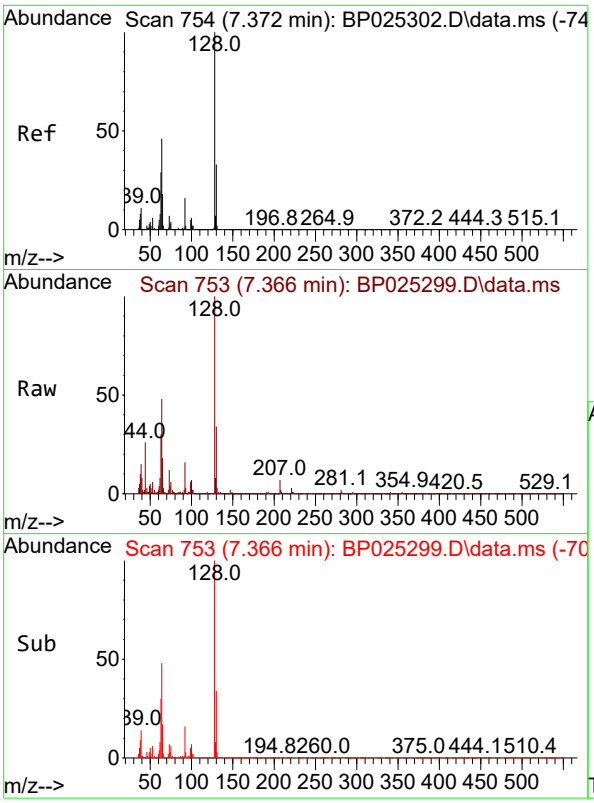


#7
Phenol-d6
Concen: 9.613 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 99 Resp: 127649

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.0	22.6
71	32.8	25.5	38.3

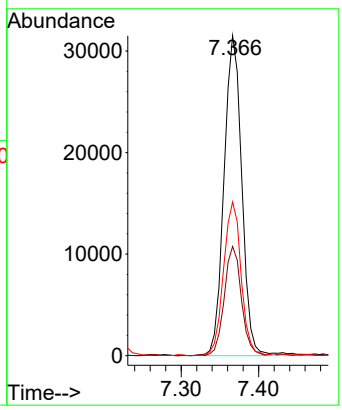




#8
2-Chlorophenol
Concen: 4.595 ng
RT: 7.366 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:128 Resp: 5030

Ion	Ratio	Lower	Upper
128	100		
130	34.2	13.1	53.1
64	48.0	26.1	66.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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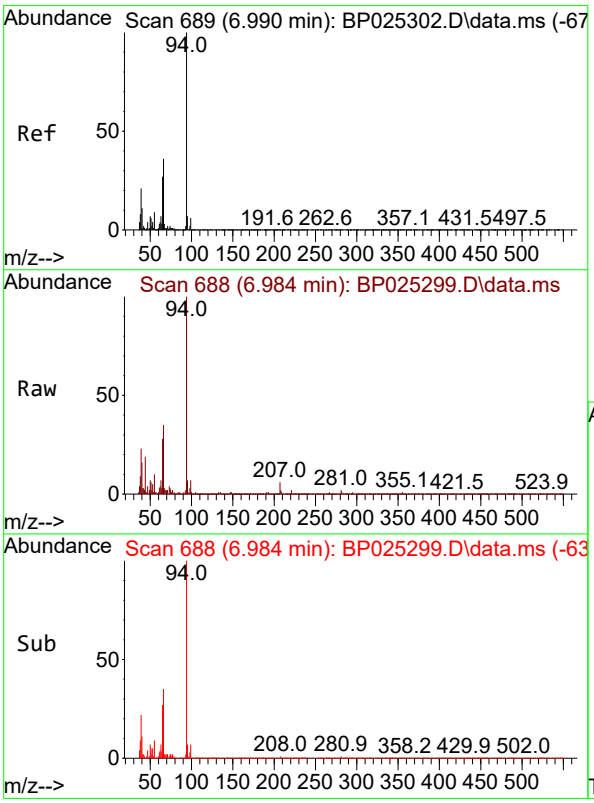
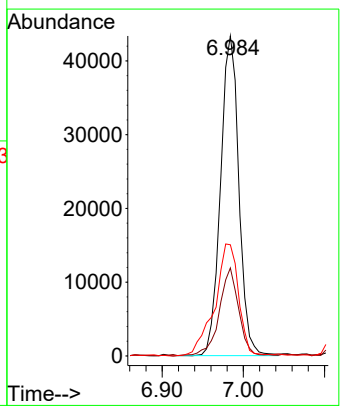
Supervised By :Jagrut Upadhyay 08/06/2025

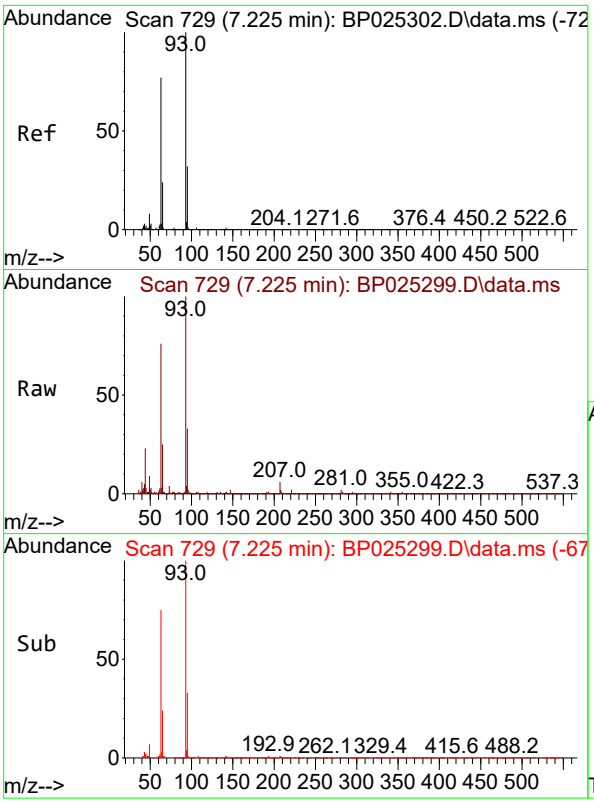


#10
Phenol
Concen: 4.838 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 94 Resp: 68139

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.8	15.7	55.7

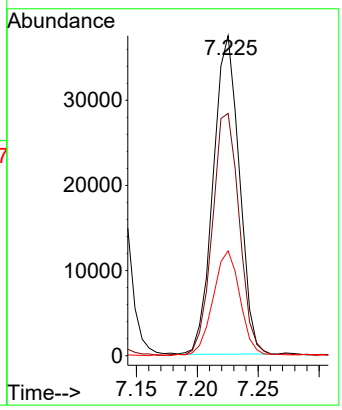




#11
bis(2-Chloroethyl)ether
Concen: 5.062 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 5585

Ion	Ratio	Lower	Upper
93	100		
63	75.7	57.0	97.0
95	32.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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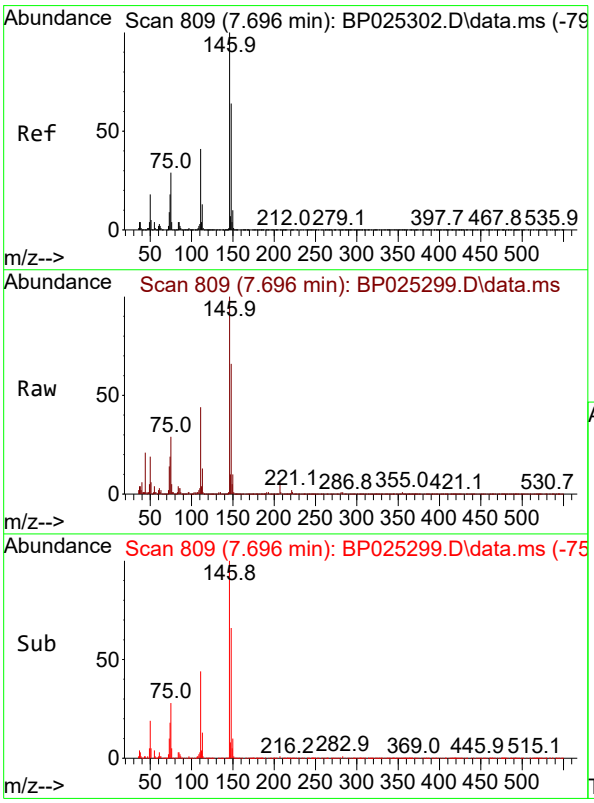
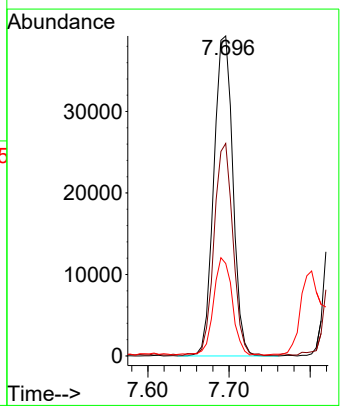
Supervised By :Jagrut Upadhyay 08/06/2025

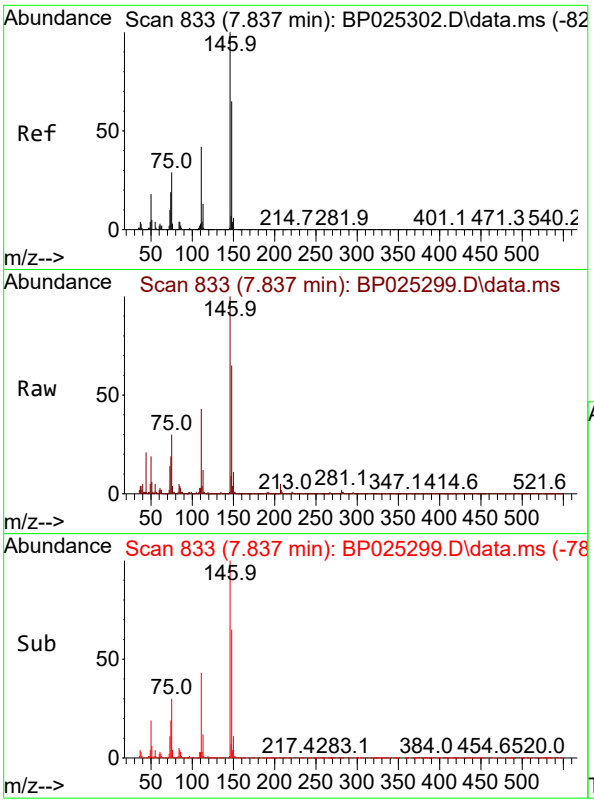


#12
1,3-Dichlorobenzene
Concen: 5.202 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 63992

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.1	76.7
75	28.9	23.2	34.8

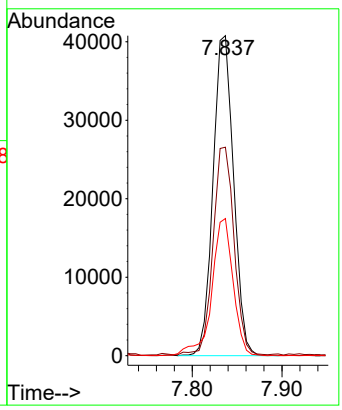




#13
1,4-Dichlorobenzene
Concen: 5.212 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 6485

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.0	78.0
111	42.9	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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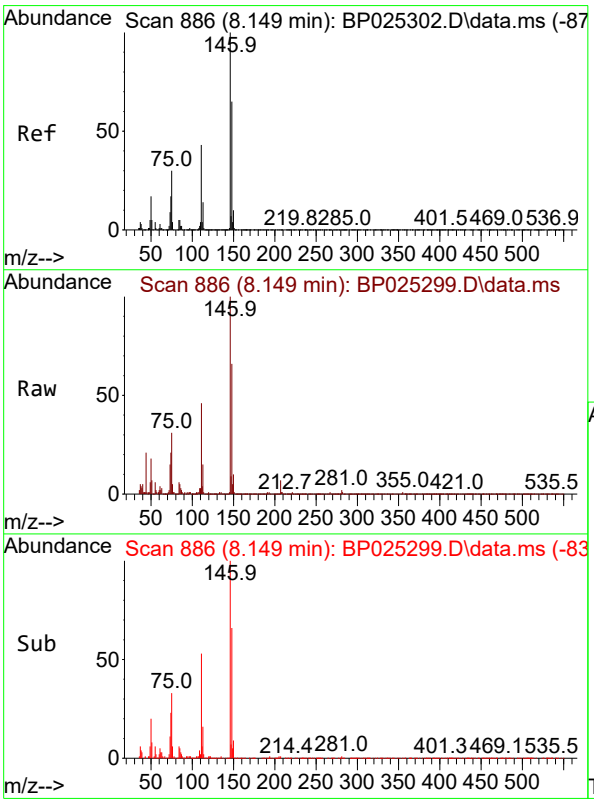
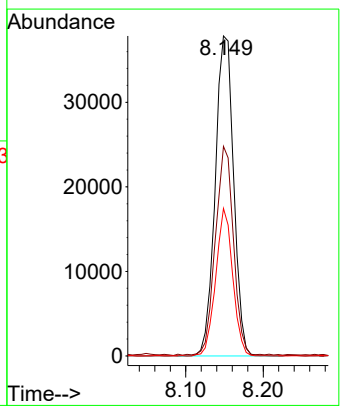
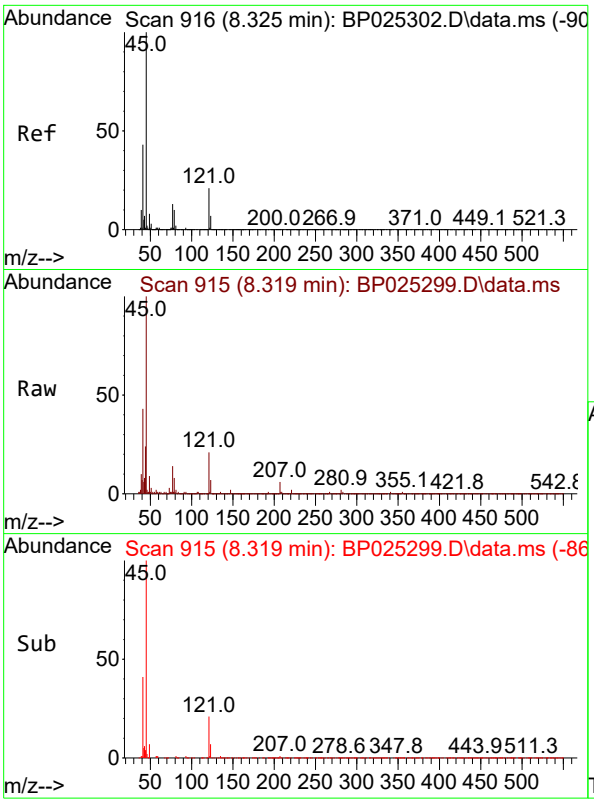


#14
1,2-Dichlorobenzene
Concen: 5.209 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 62802

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	46.1	34.4	51.6

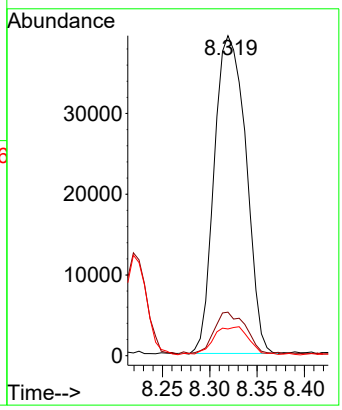




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.242 ng
RT: 8.319 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 45 Resp: 9137

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.0
79	8.4	0.0	29.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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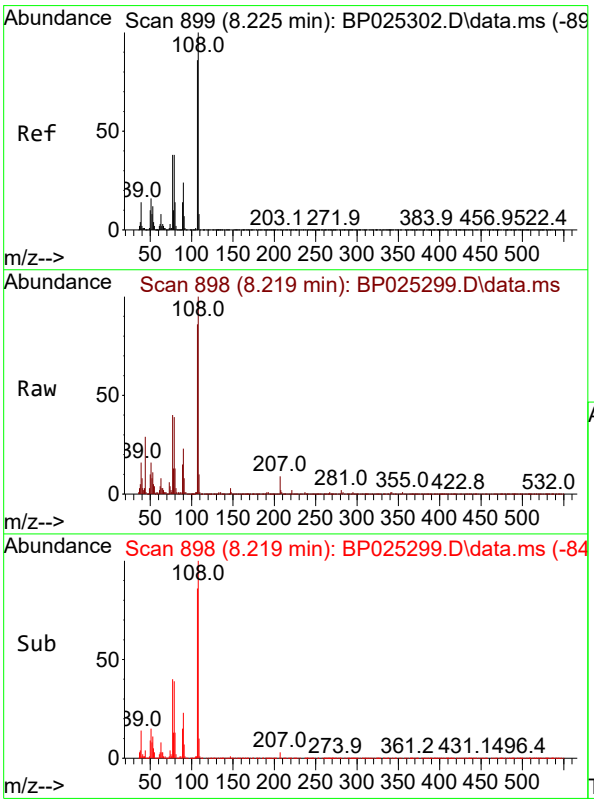
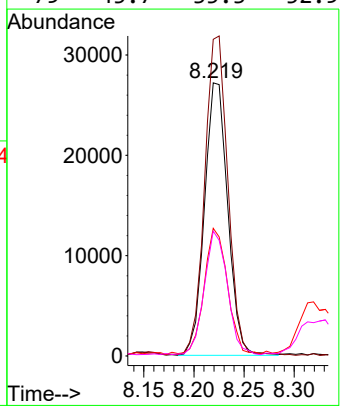
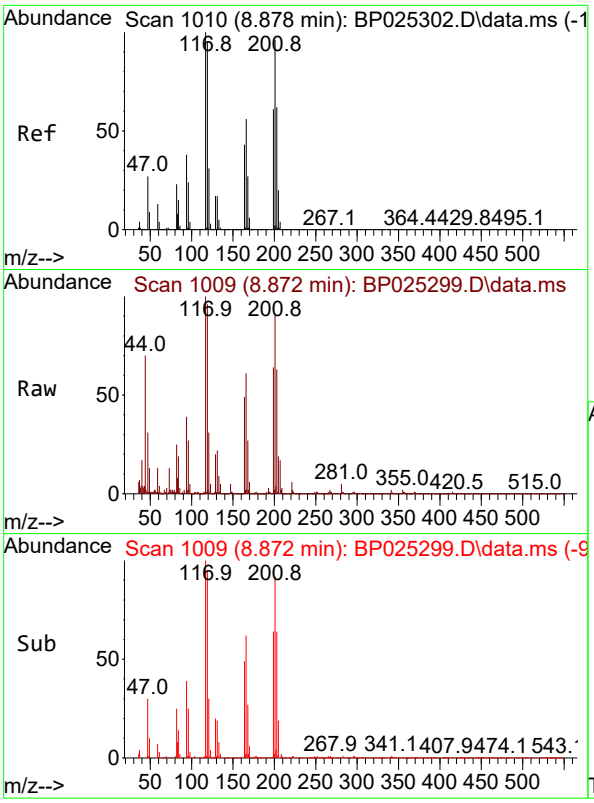


#17
2-Methylphenol
Concen: 4.663 ng
RT: 8.219 min Scan# 898
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 43943

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.6	139.0
77	46.8	35.4	53.2
79	45.7	35.3	52.9

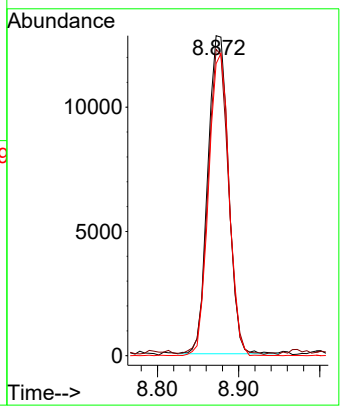




#18
Hexachloroethane
Concen: 5.091 ng
RT: 8.872 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:117 Resp: 2265

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
201	95.0	76.6	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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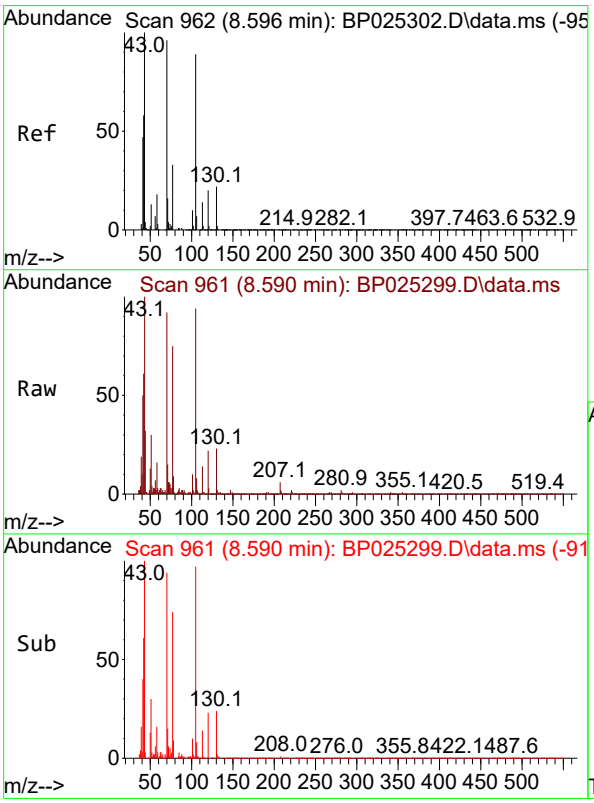
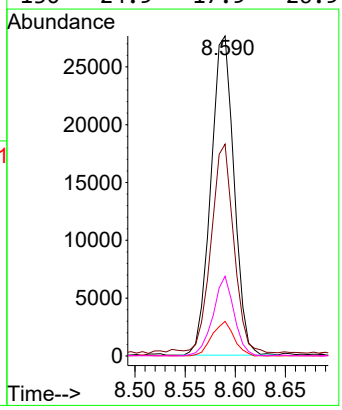
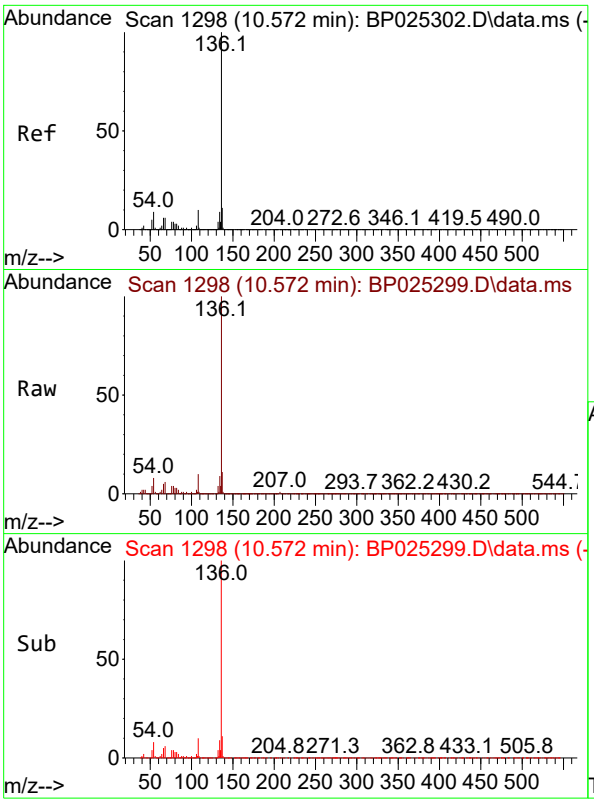


#19
n-Nitroso-di-n-propylamine
Concen: 5.129 ng
RT: 8.590 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 70 Resp: 44357

Ion	Ratio	Lower	Upper
70	100		
42	66.2	49.4	74.0
101	10.8	7.9	11.9
130	24.9	17.9	26.9

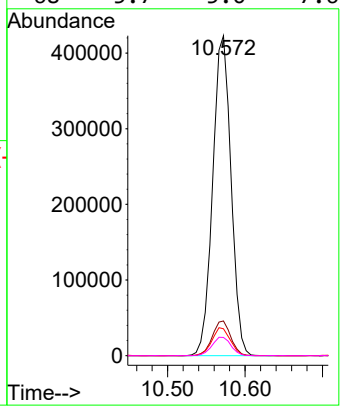




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:136 Resp: 69461

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	7.0	10.6
68	5.7	5.0	7.6



Instrument :
BNA_P
ClientSampleId :
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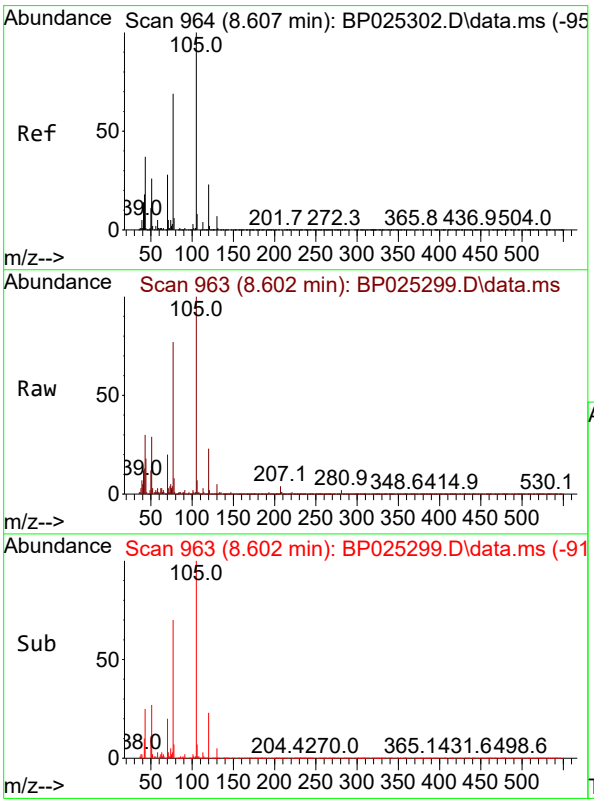
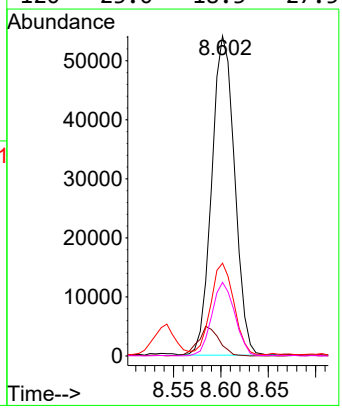
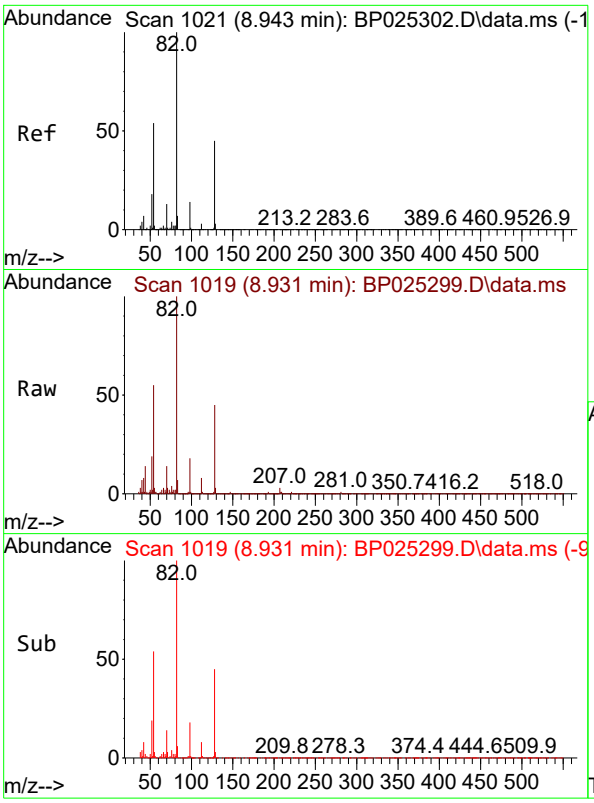


#22
Acetophenone
Concen: 5.220 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:105 Resp: 91026

Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.1	6.1#
51	29.0	22.7	34.1
120	23.0	18.3	27.5

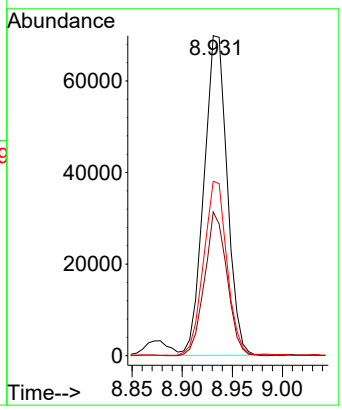




#23
Nitrobenzene-d5
Concen: 8.777 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 82 Resp: 11267

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.4	53.2
54	54.5	42.9	64.3



Instrument :
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ClientSampleId :
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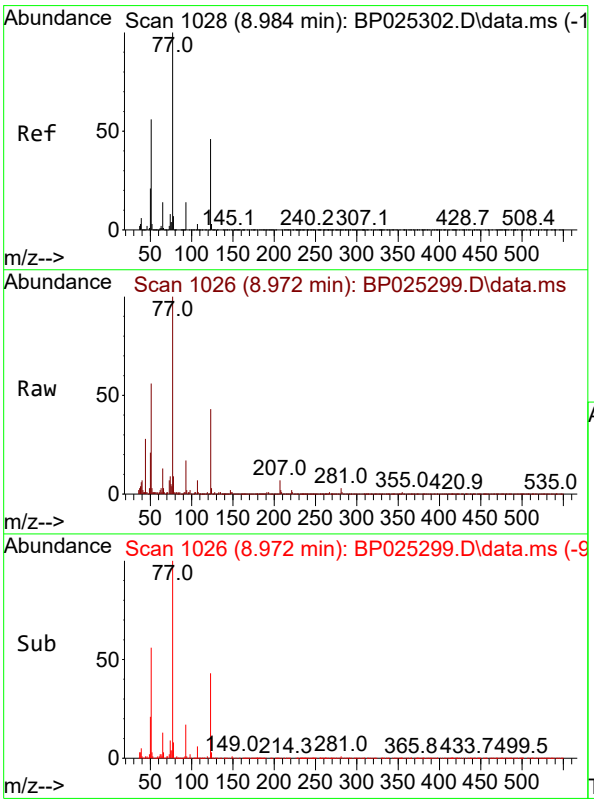
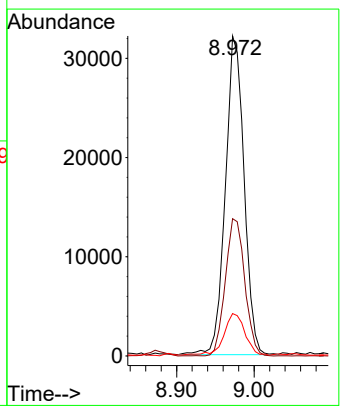
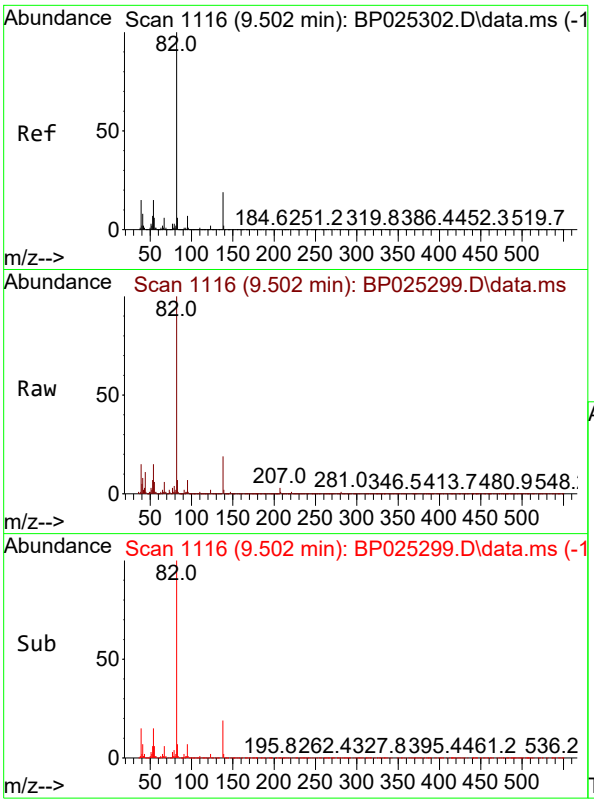


#24
Nitrobenzene
Concen: 4.553 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 77 Resp: 54037

Ion	Ratio	Lower	Upper
77	100		
123	42.9	37.4	56.2
65	13.3	11.1	16.7

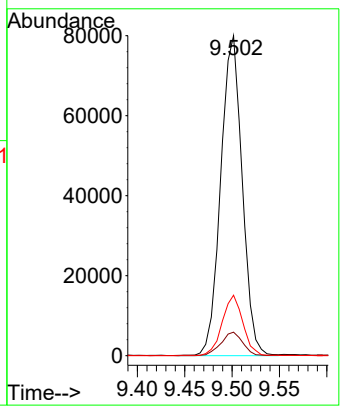




#25
Isophorone
Concen: 5.056 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 82 Resp: 12617

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.9	15.0	22.6



Instrument :
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ClientSampleId :
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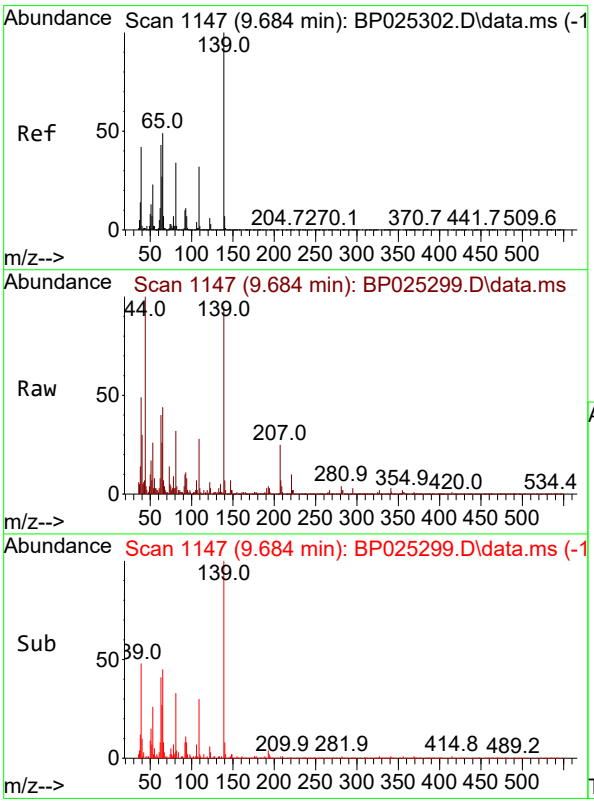
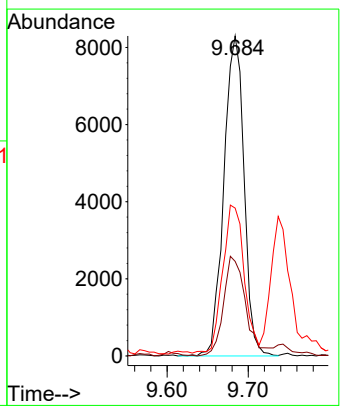
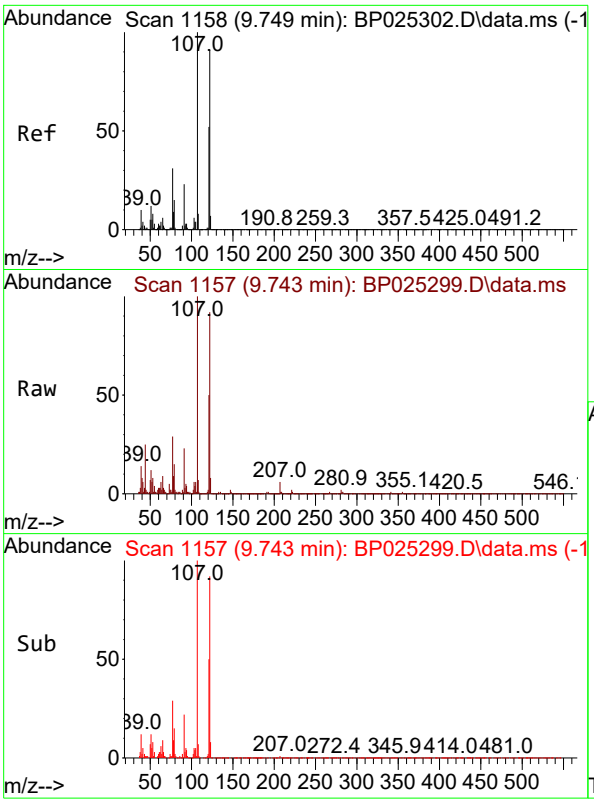


#26
2-Nitrophenol
Concen: 6.196 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:139 Resp: 14308

Ion	Ratio	Lower	Upper
139	100		
109	29.5	25.2	37.8
65	46.2	39.6	59.4

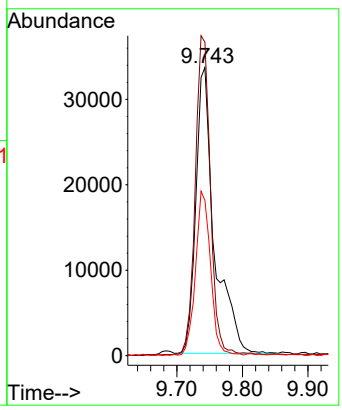




#27
2,4-Dimethylphenol
Concen: 5.730 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:122 Resp: 6592

Ion	Ratio	Lower	Upper
122	100		
107	108.8	87.4	131.0
121	53.9	45.8	68.8



Instrument :
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ClientSampleId :
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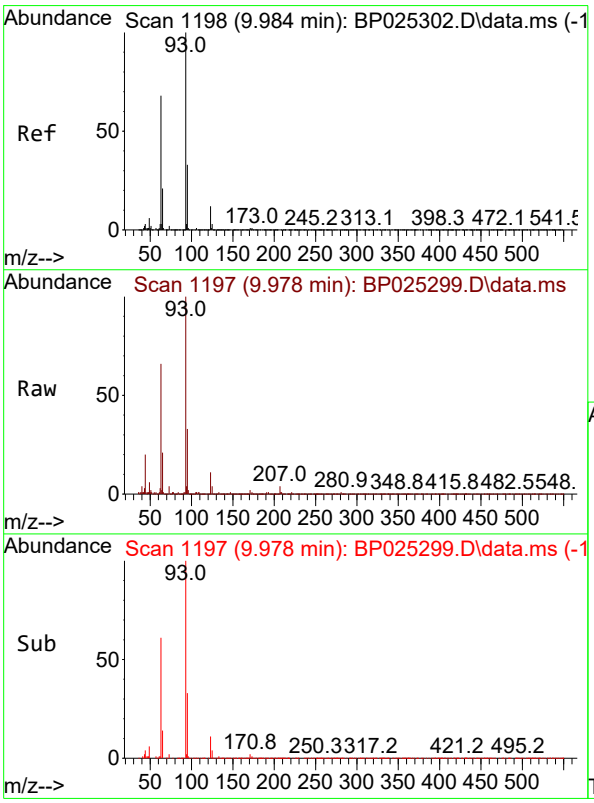
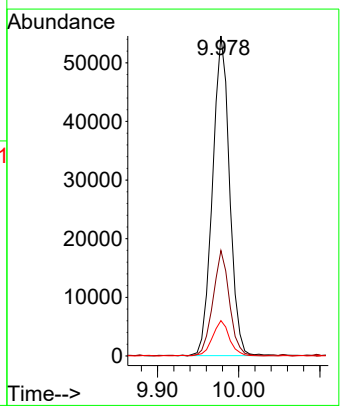
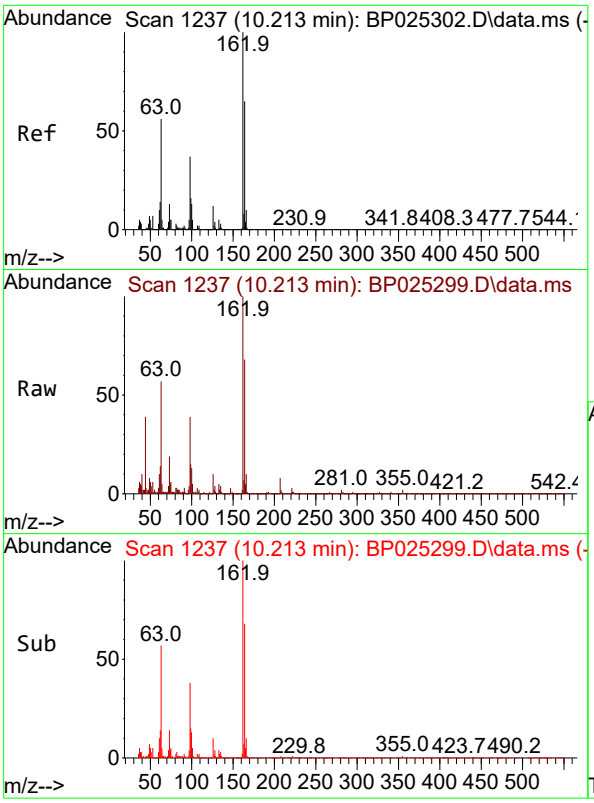


#28
bis(2-Chloroethoxy)methane
Concen: 5.225 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 79327

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.0	9.4	14.2

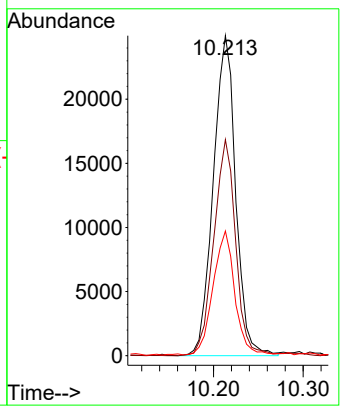




#29
2,4-Dichlorophenol
Concen: 4.296 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:162 Resp: 4327

Ion	Ratio	Lower	Upper
162	100		
164	67.5	45.2	85.2
98	39.0	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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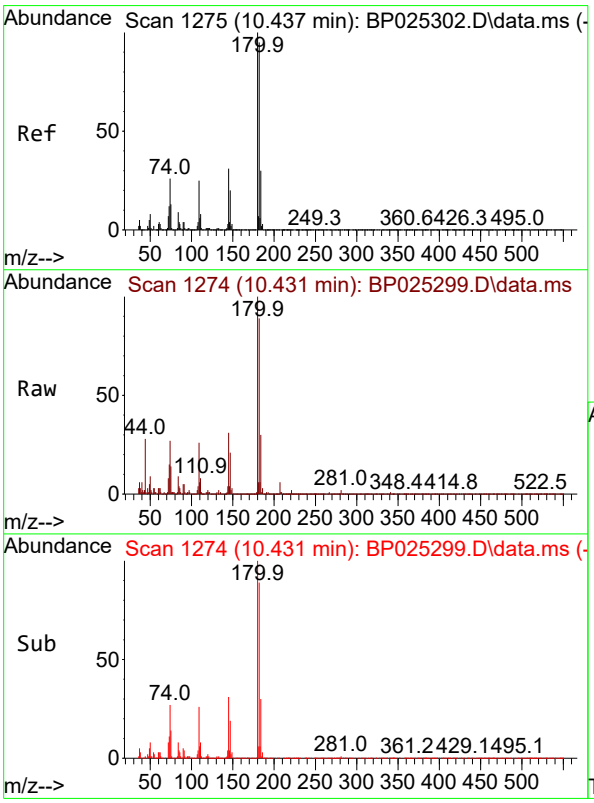
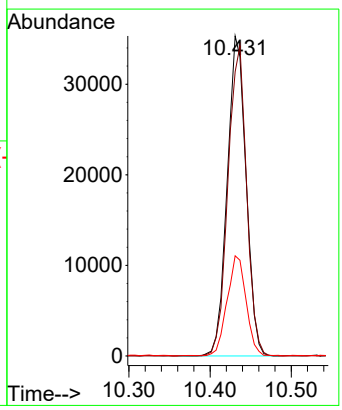
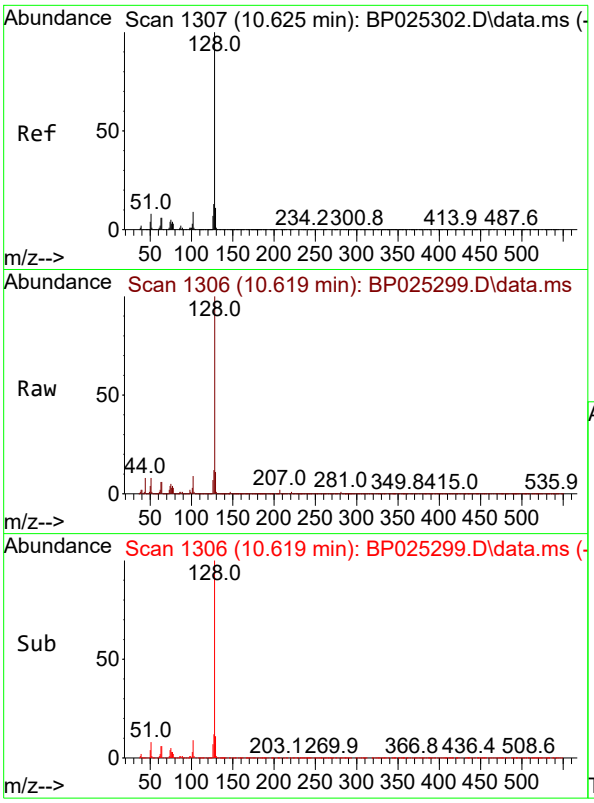


#30
1,2,4-Trichlorobenzene
Concen: 5.120 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:180 Resp: 56908

Ion	Ratio	Lower	Upper
180	100		
182	88.8	75.8	113.8
145	31.3	25.0	37.4

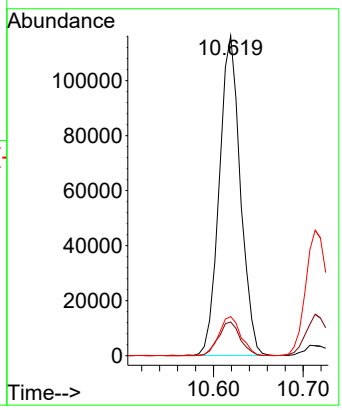




#31
Naphthalene
Concen: 5.262 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:128 Resp: 18973

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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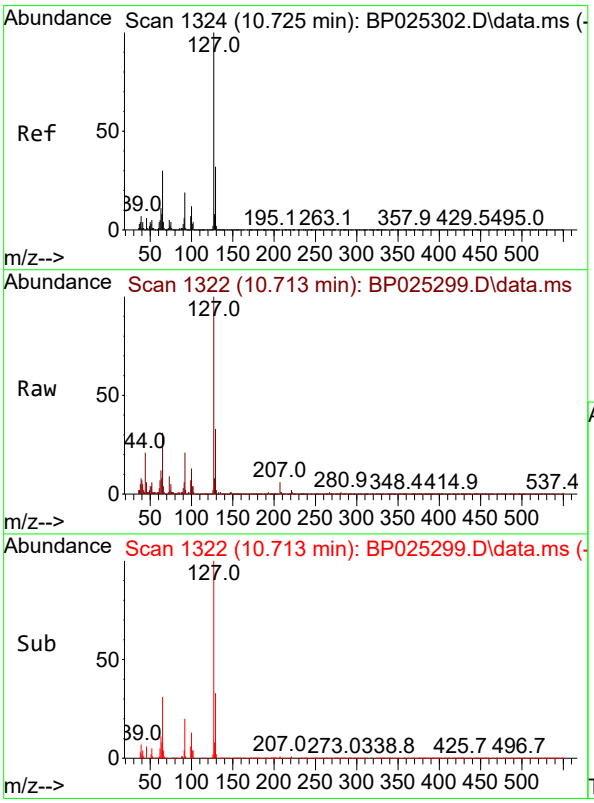
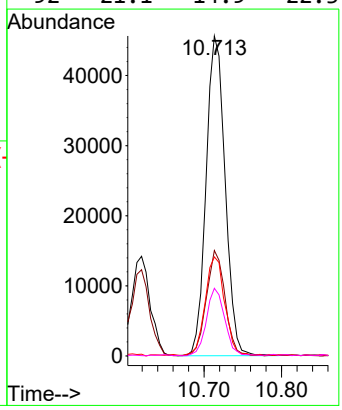
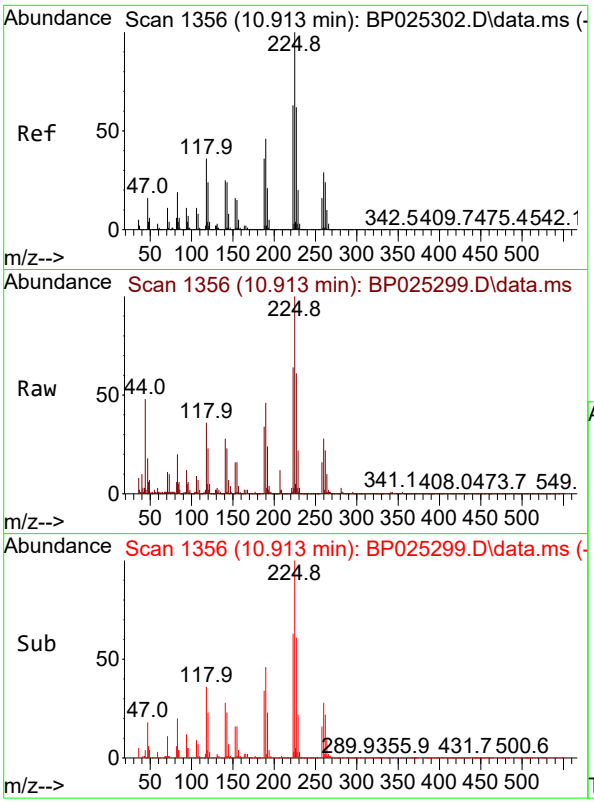


#33
4-Chloroaniline
Concen: 4.856 ng
RT: 10.713 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:127 Resp: 77884

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.6
65	31.0	23.6	35.4
92	21.1	14.9	22.3

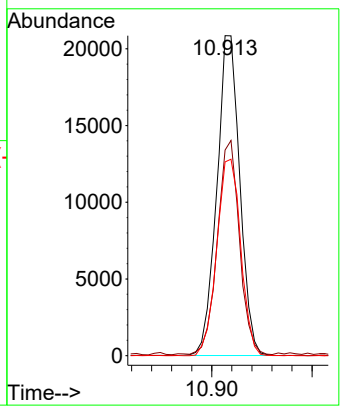




#34
Hexachlorobutadiene
Concen: 5.191 ng
RT: 10.913 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:225 Resp: 3311

Ion	Ratio	Lower	Upper
225	100		
223	67.5	50.3	75.5
227	60.6	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
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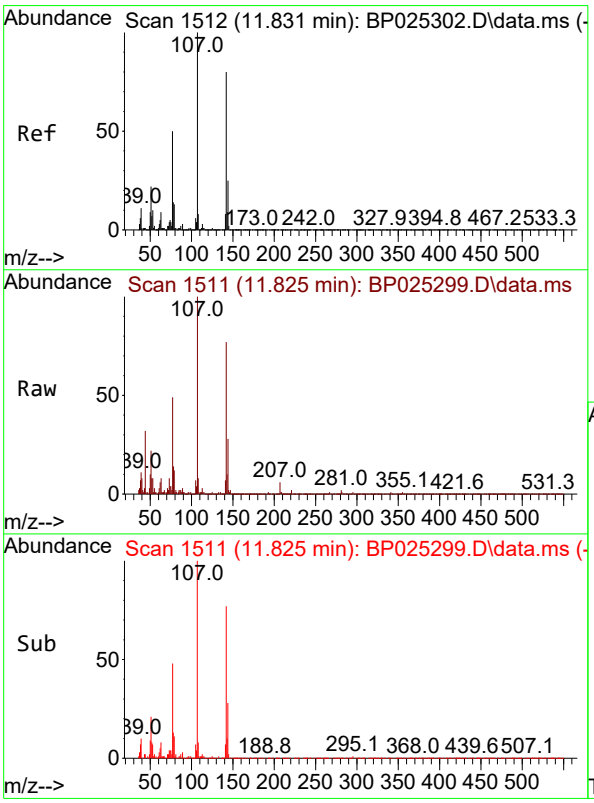
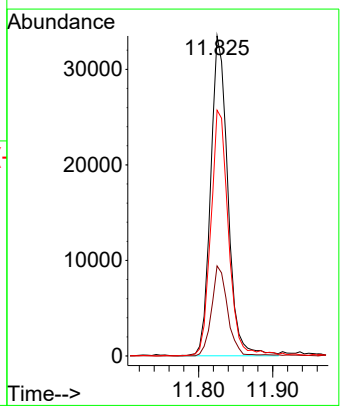
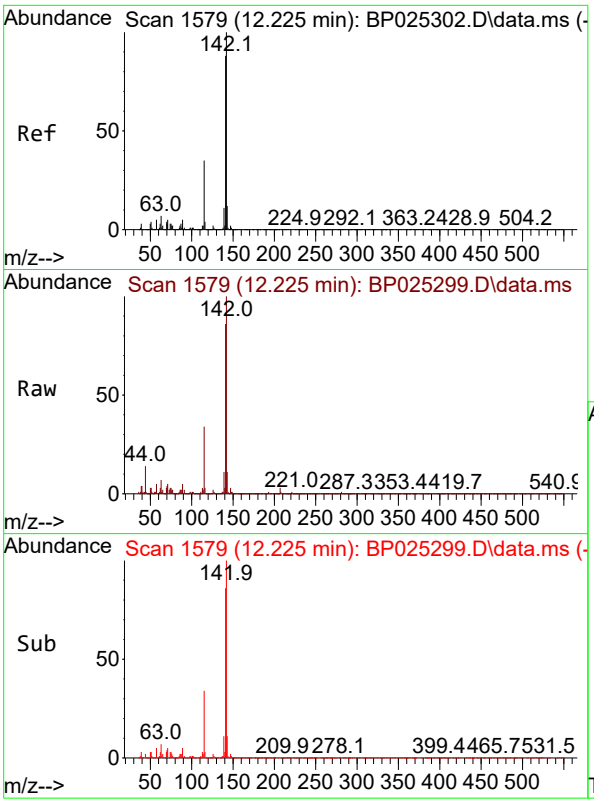


#36
4-Chloro-3-methylphenol
Concen: 4.625 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 53910

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.4	30.6
142	76.8	63.7	95.5

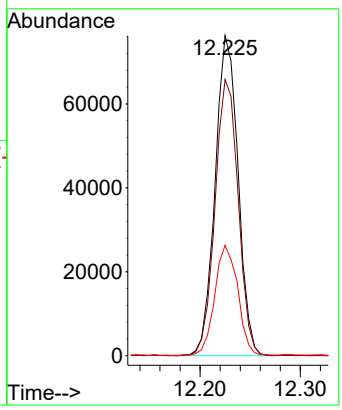




#37
2-Methylnaphthalene
Concen: 5.184 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:142 Resp: 12099

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.4	105.6
115	34.5	28.0	42.0



Instrument :
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ClientSampleId :
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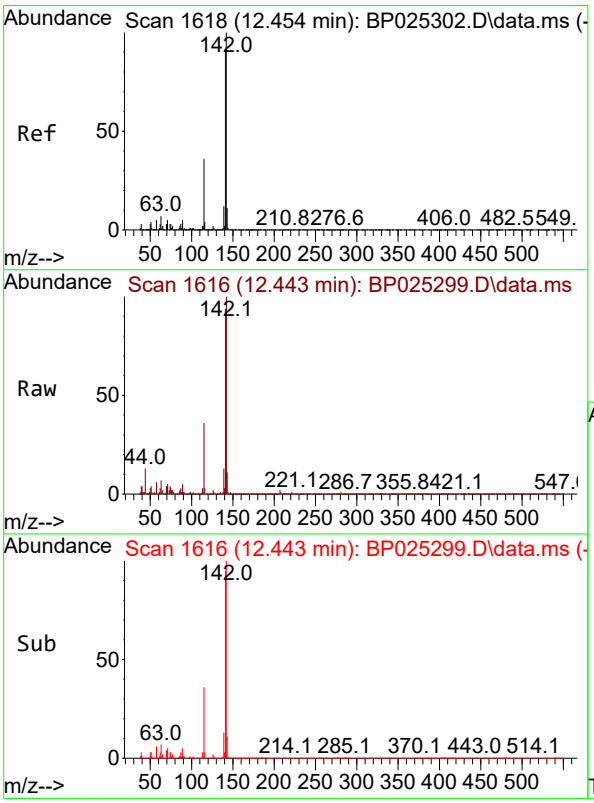
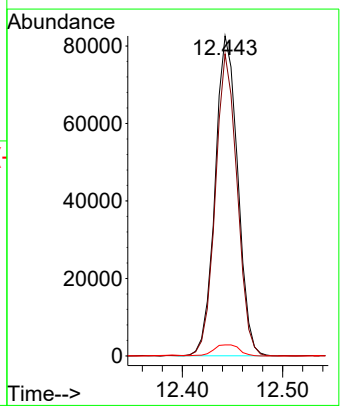
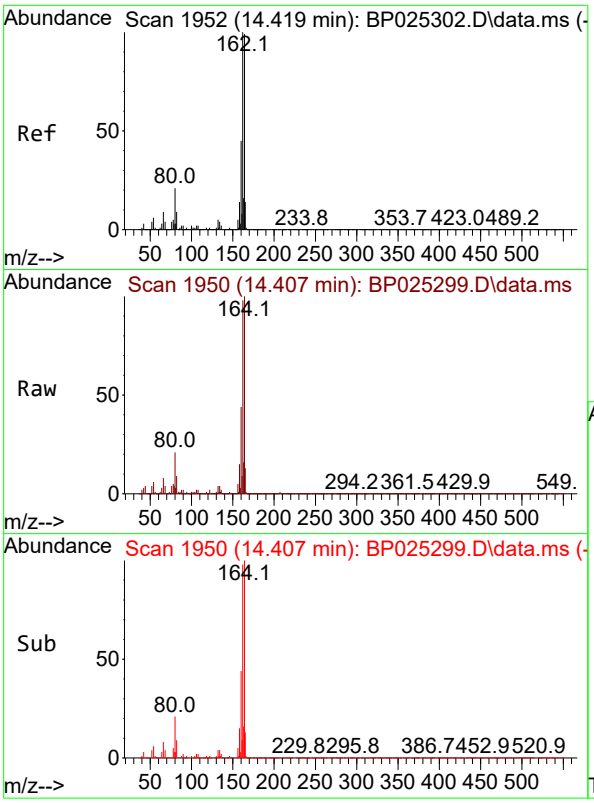


#38
1-Methylnaphthalene
Concen: 5.290 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:142 Resp: 128838

Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.0	109.6
116	3.4	3.0	4.6

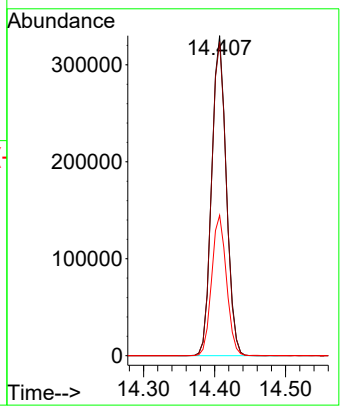




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:164 Resp: 46930

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	120.8
160	43.9	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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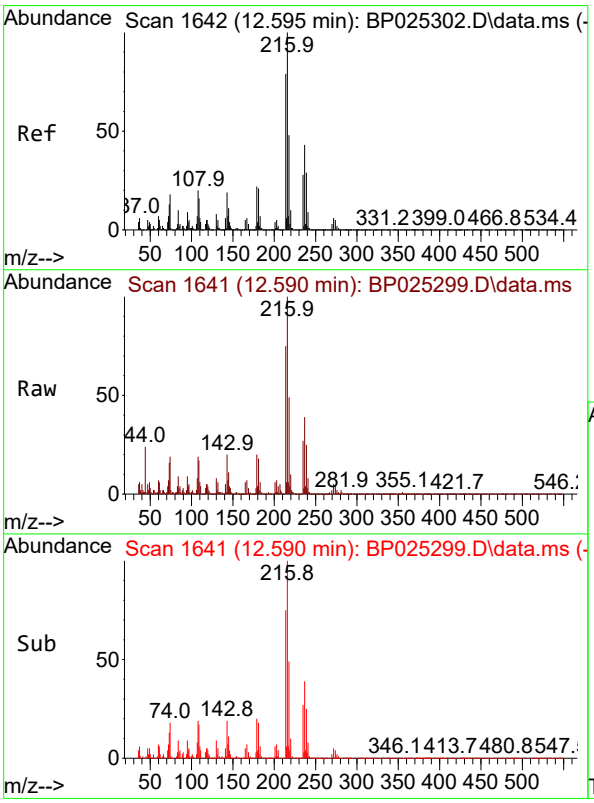
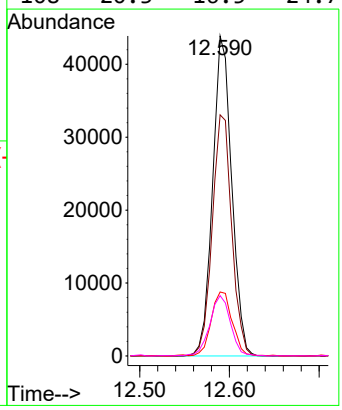
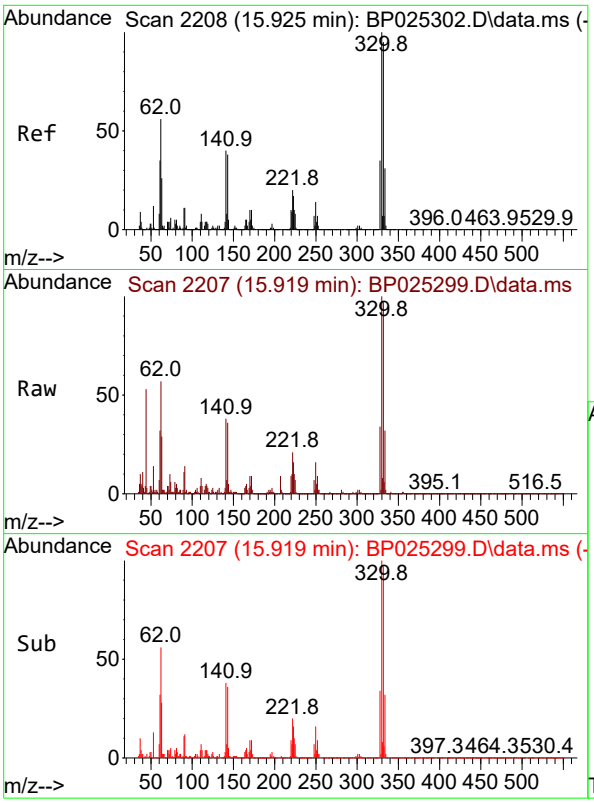


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.049 ng
RT: 12.590 min Scan# 1641
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:216 Resp: 64686

Ion	Ratio	Lower	Upper
216	100		
214	76.8	62.4	93.6
179	22.3	17.5	26.3
108	20.3	16.5	24.7

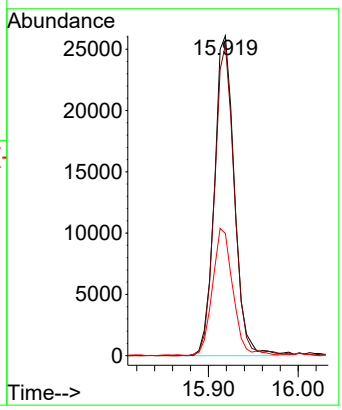




#42
2,4,6-Tribromophenol
Concen: 8.296 ng
RT: 15.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:330 Resp: 4019

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	40.6	31.7	47.5



Instrument :
BNA_P
ClientSampleId :
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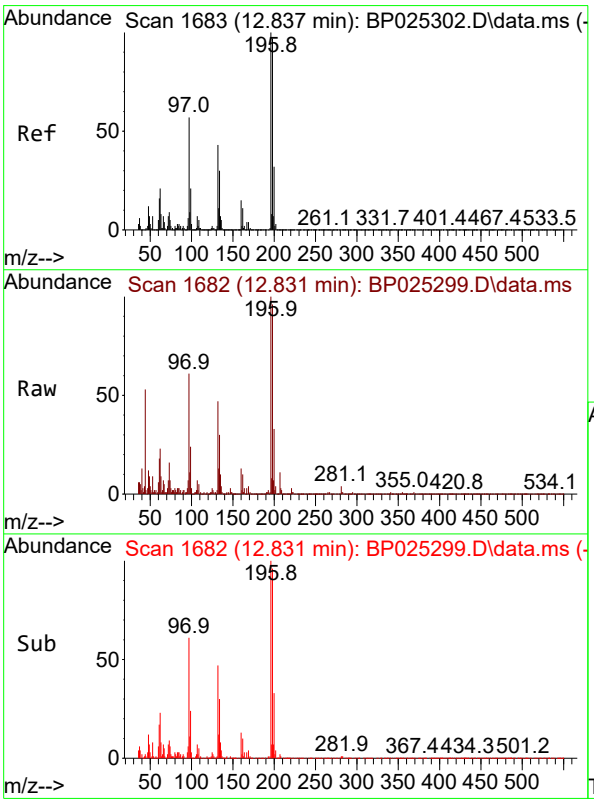
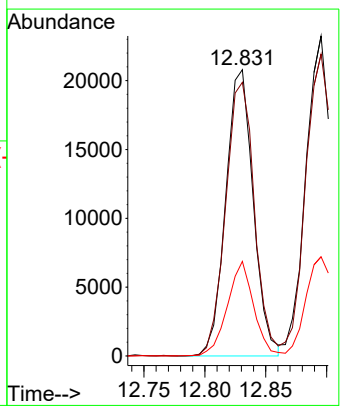
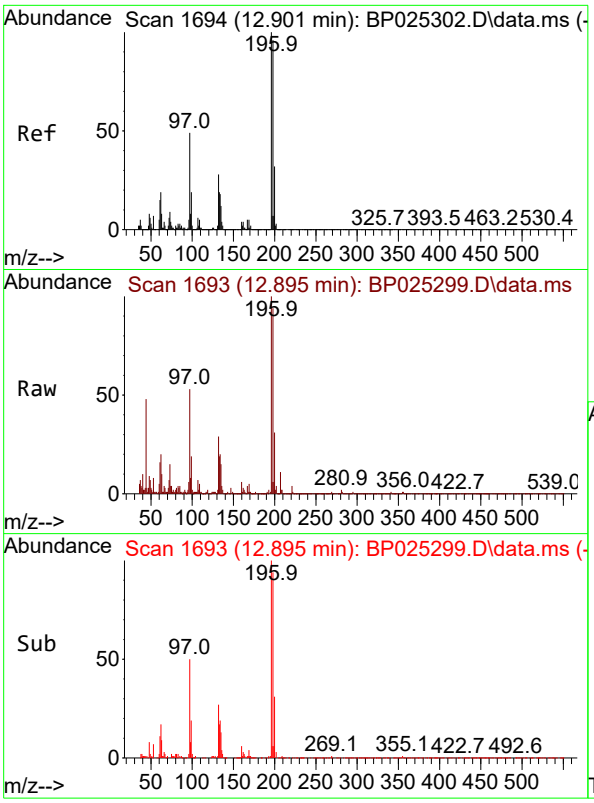


#43
2,4,6-Trichlorophenol
Concen: 3.957 ng
RT: 12.831 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:196 Resp: 32753

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
200	34.9	25.4	38.2

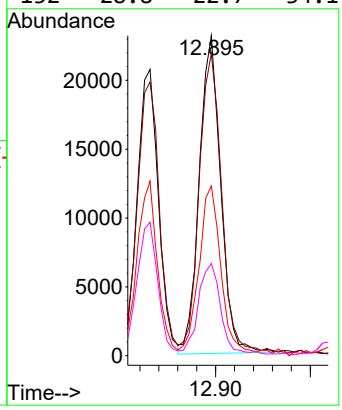




#44
2,4,5-Trichlorophenol
Concen: 3.918 ng
RT: 12.895 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:196 Resp: 3637

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.6	114.8
97	53.0	39.5	59.3
132	28.8	22.7	34.1



Instrument :
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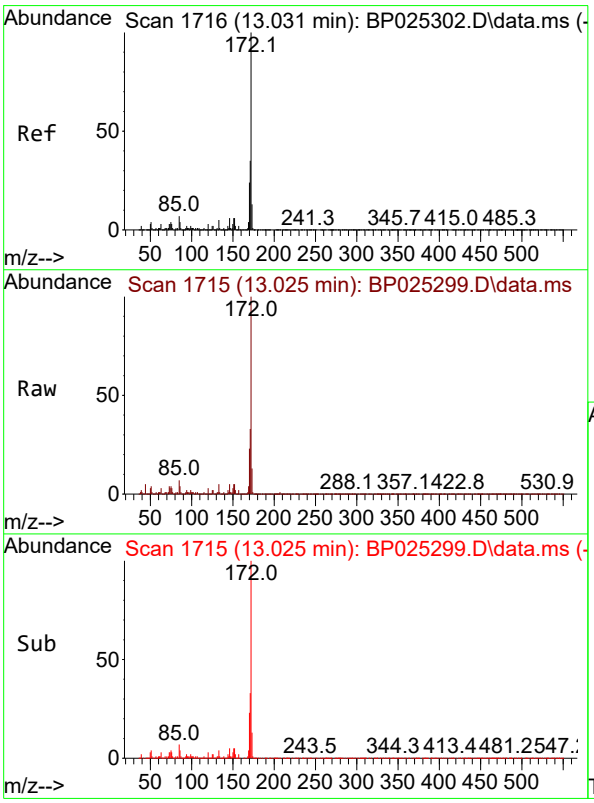
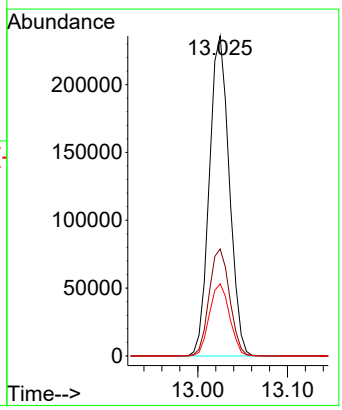
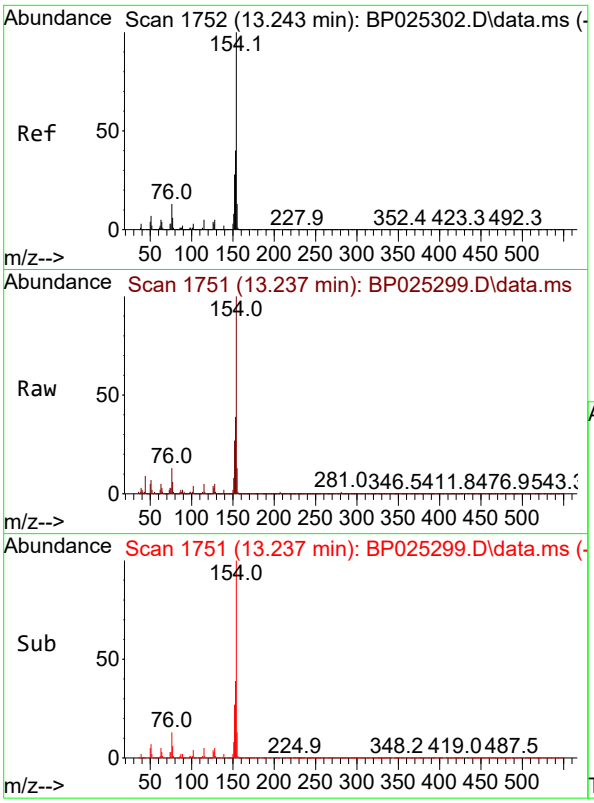


#45
2-Fluorobiphenyl
Concen: 10.769 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:172 Resp: 363946

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.9	41.9
170	22.5	18.9	28.3

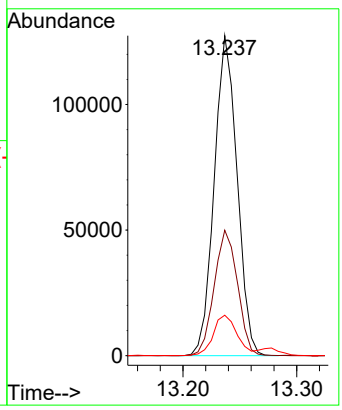




#46
1,1'-Biphenyl
Concen: 5.150 ng
RT: 13.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 17812

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.9	59.9
76	12.7	0.0	33.2



Instrument :
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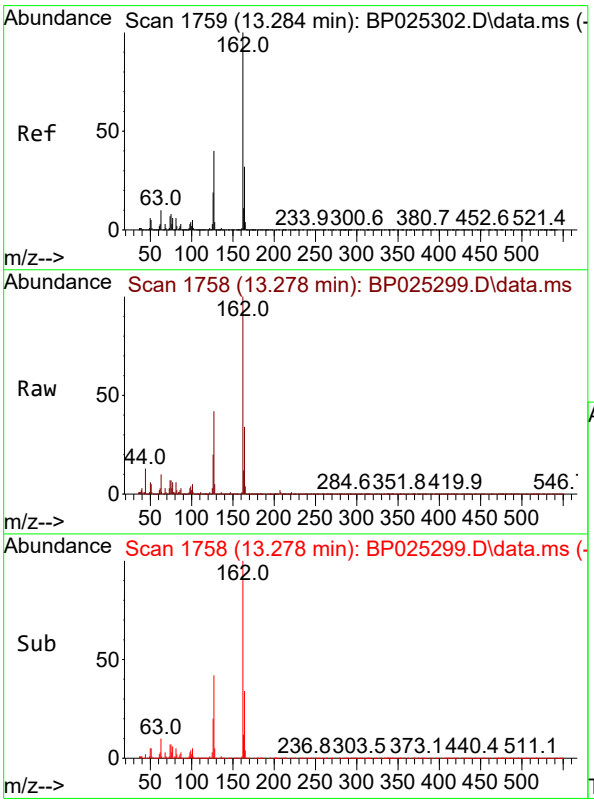
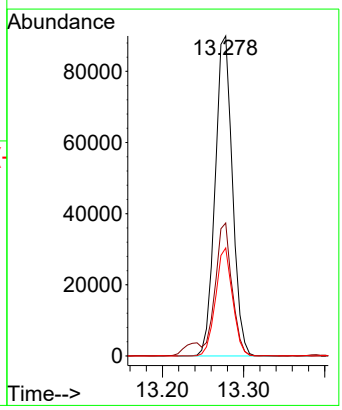
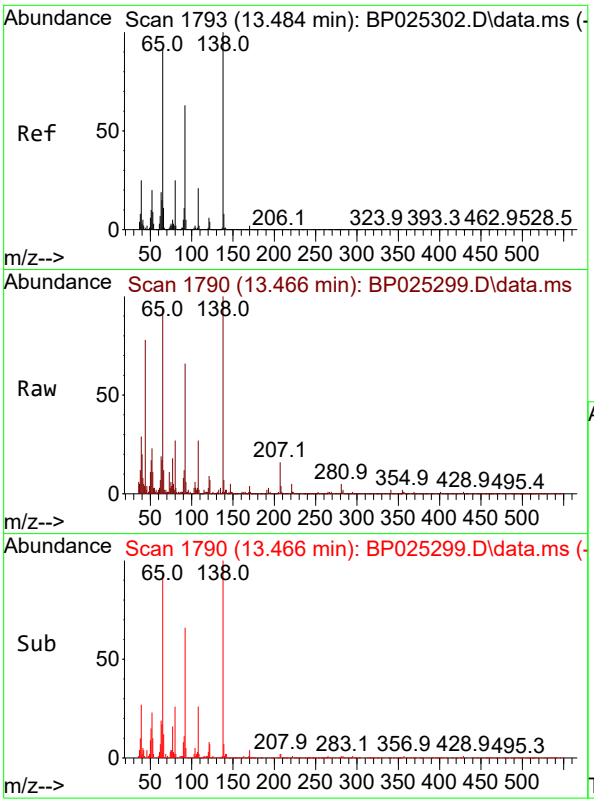


#47
2-Chloronaphthalene
Concen: 5.062 ng
RT: 13.278 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:162 Resp: 133568

Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.2	48.2
164	33.8	25.9	38.9

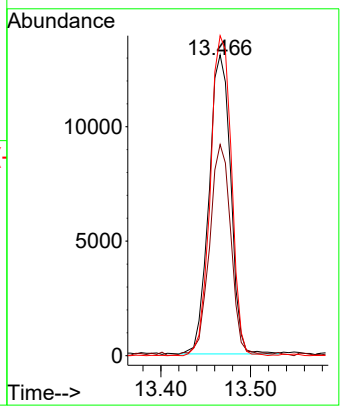




#48
2-Nitroaniline
Concen: 5.624 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 65 Resp: 2191

Ion	Ratio	Lower	Upper
65	100		
92	70.2	54.4	81.6
138	106.4	87.0	130.4



Instrument :
BNA_P
ClientSampleId :
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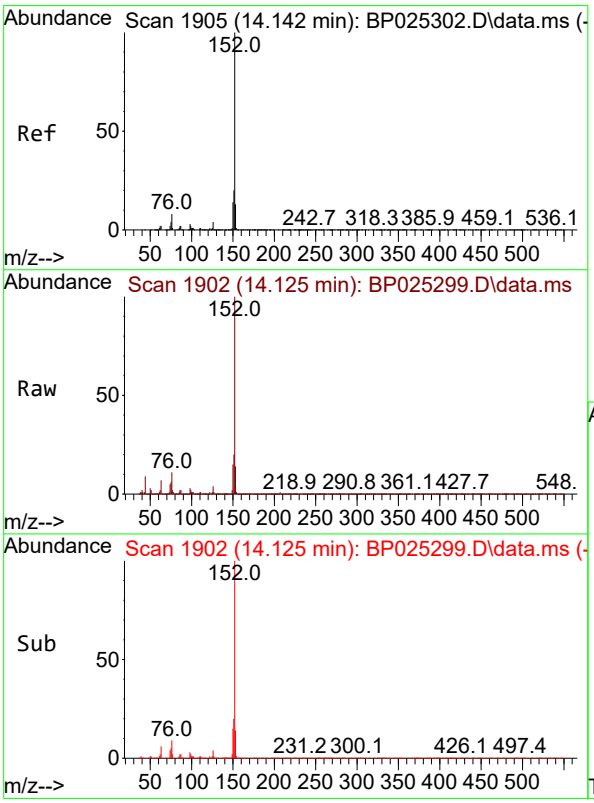
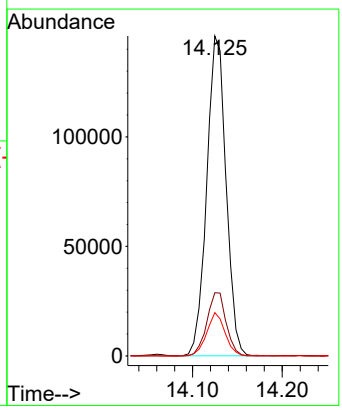
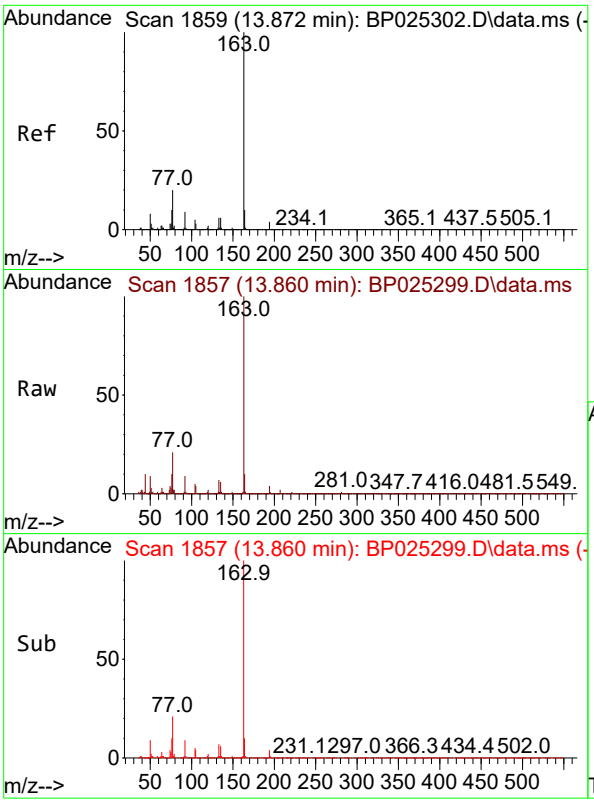


#49
Acenaphthylene
Concen: 4.955 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:152 Resp: 218072

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.6	10.4	15.6

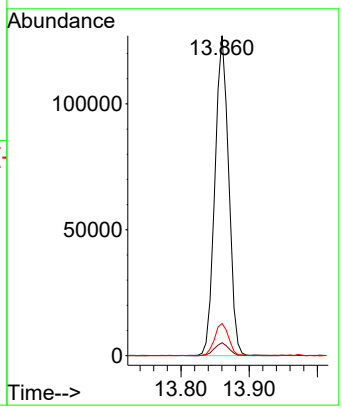




#50
Dimethylphthalate
Concen: 5.220 ng
RT: 13.860 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:163 Resp: 17857

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.0	12.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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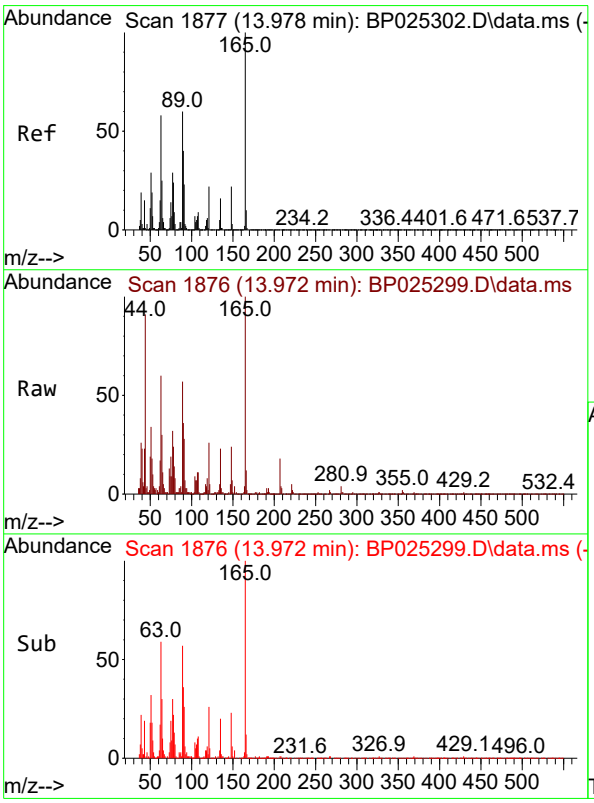
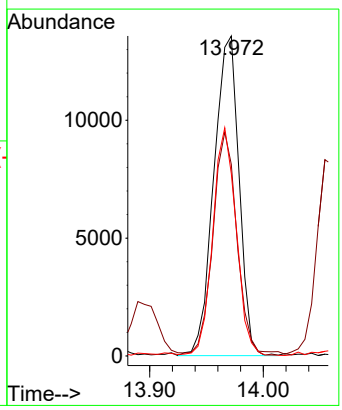
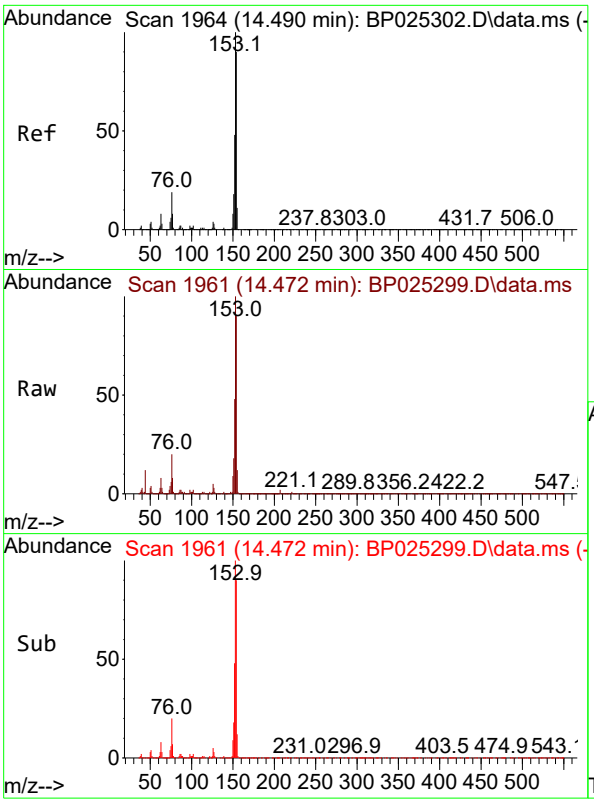


#51
2,6-Dinitrotoluene
Concen: 3.313 ng
RT: 13.972 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:165 Resp: 20906

Ion	Ratio	Lower	Upper
165	100		
63	59.9	47.6	71.4
89	56.9	47.8	71.8

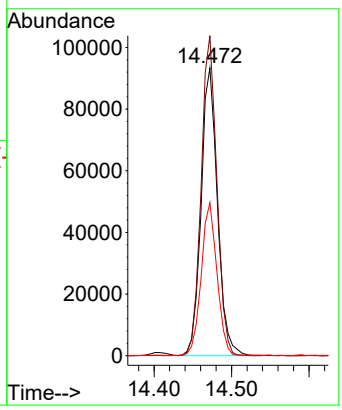




#52
Acenaphthene
Concen: 5.088 ng
RT: 14.472 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 13658

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.2	43.0	64.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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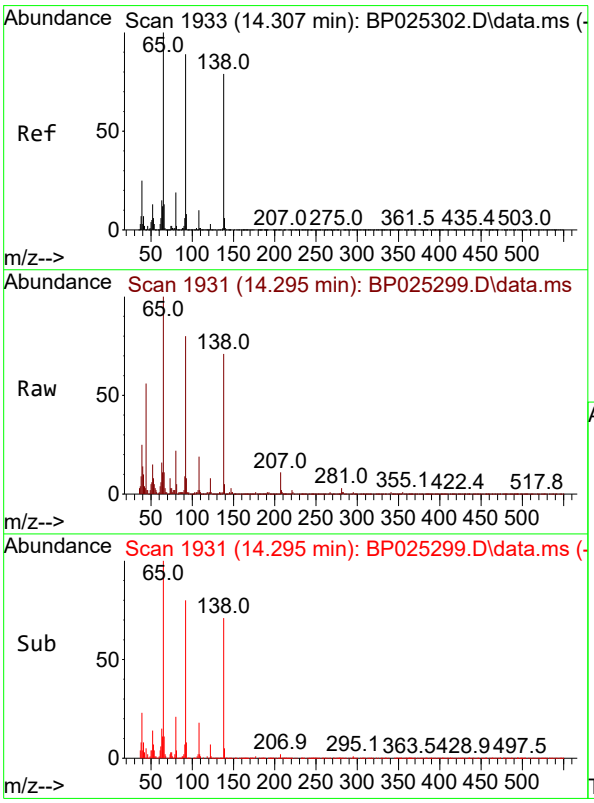
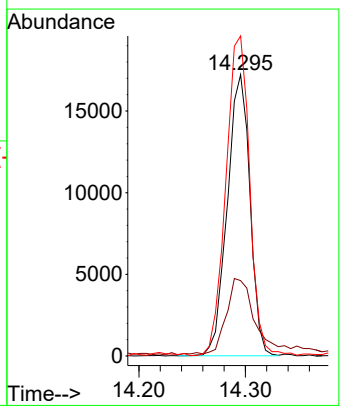
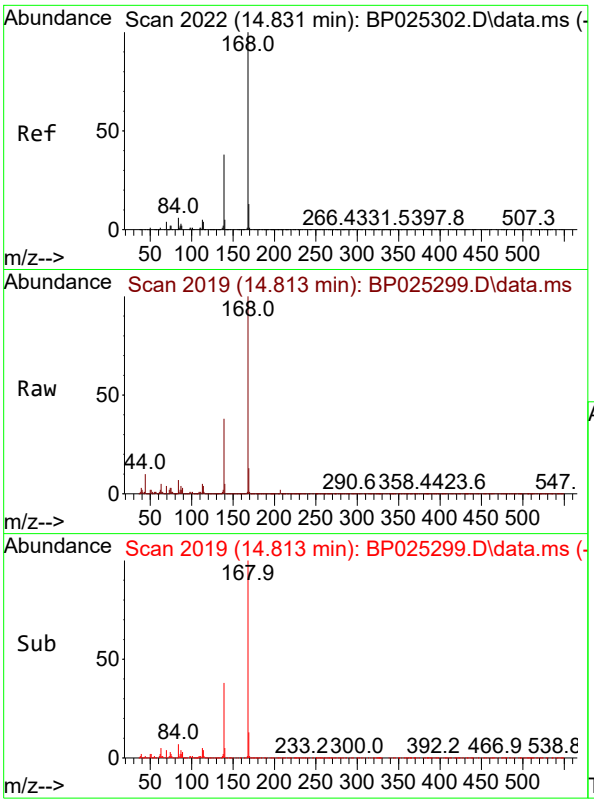


#53
3-Nitroaniline
Concen: 3.445 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:138 Resp: 25435

Ion	Ratio	Lower	Upper
138	100		
108	26.8	10.5	15.7#
92	113.8	90.9	136.3

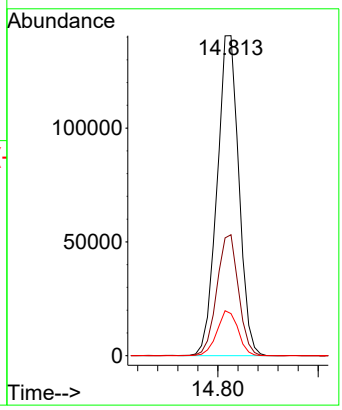




#55
Dibenzofuran
Concen: 5.277 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:168 Resp: 21170

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7
169	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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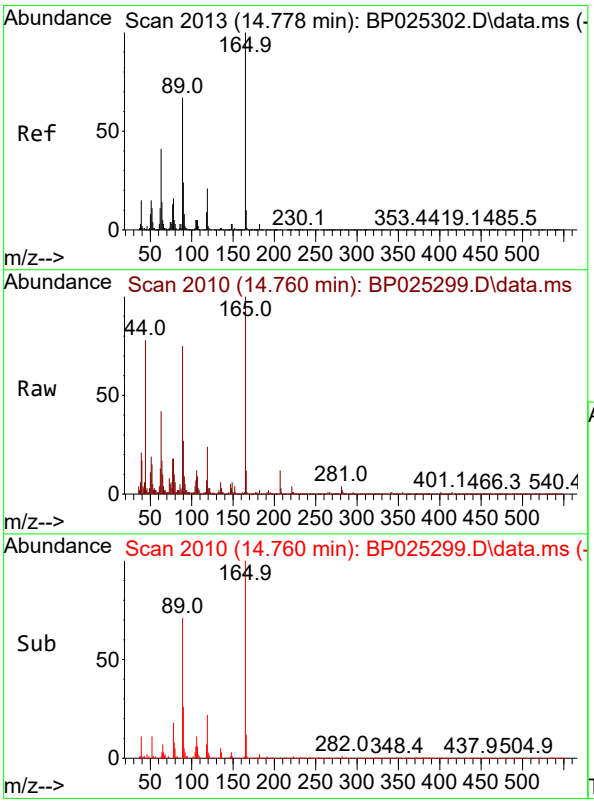
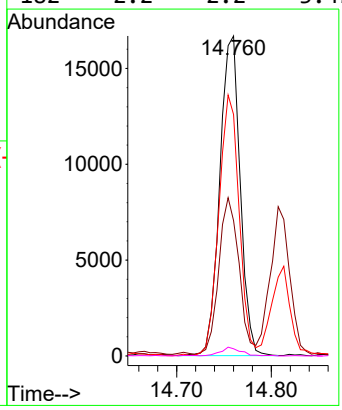
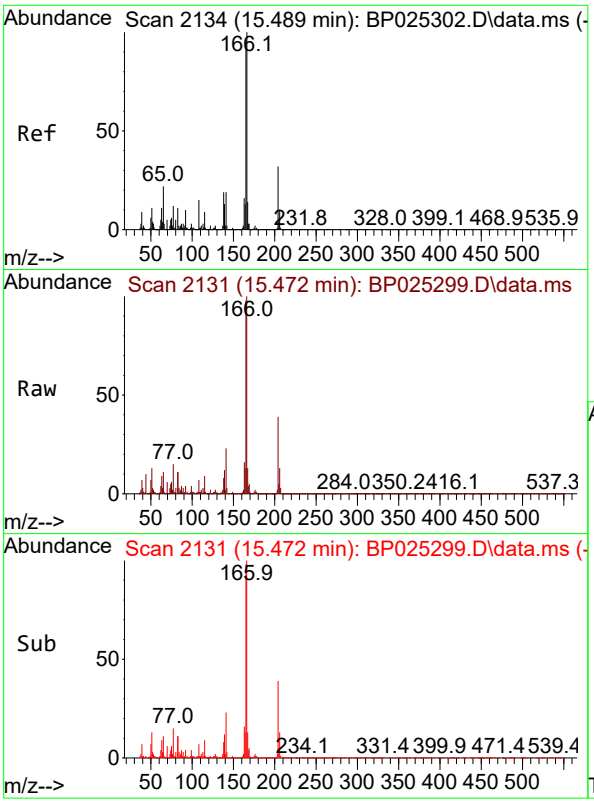


#57
2,4-Dinitrotoluene
Concen: 5.632 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:165 Resp: 24944

Ion	Ratio	Lower	Upper
165	100		
63	42.3	33.2	49.8
89	75.4	53.5	80.3
182	2.2	2.2	3.4#

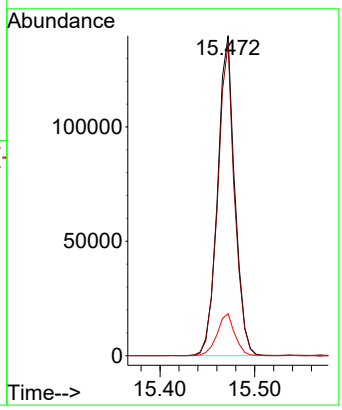




#58
Fluorene
Concen: 5.584 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:166 Resp: 17596

Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.7	115.1
167	13.1	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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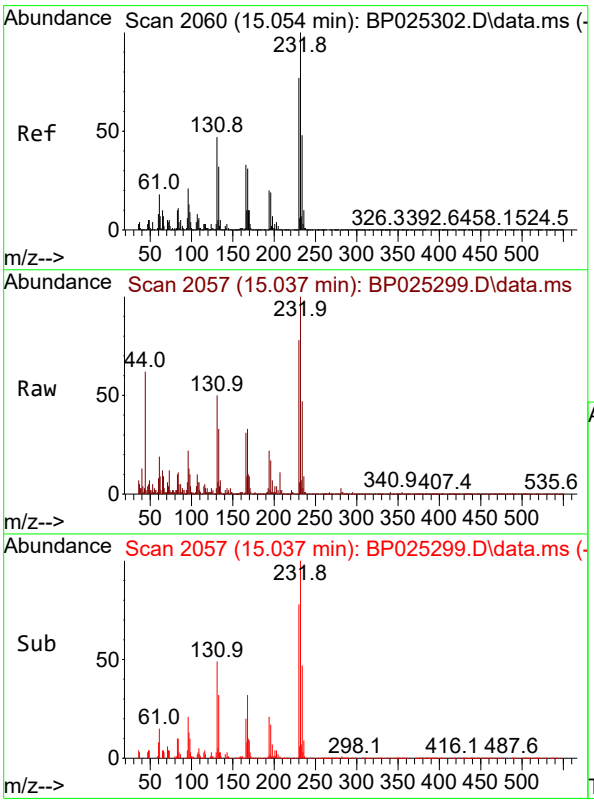
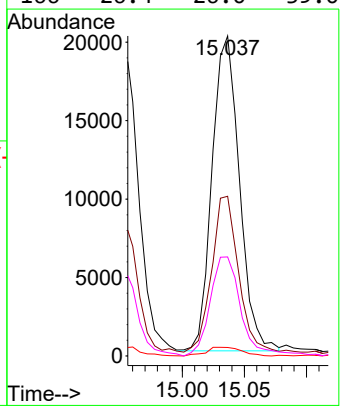
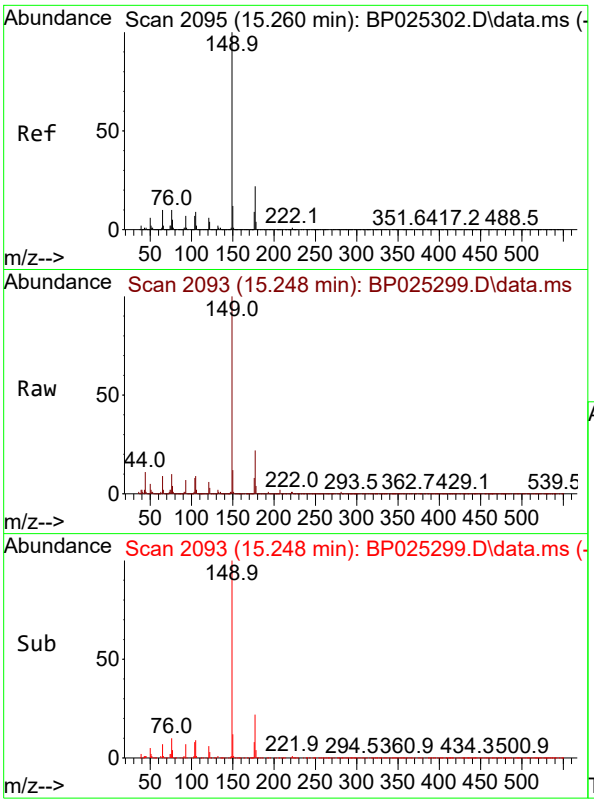


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.942 ng m
RT: 15.037 min Scan# 2057
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:232 Resp: 30755

Ion	Ratio	Lower	Upper
232	100		
131	43.7	39.3	58.9
130	2.8	2.2	3.2
166	26.4	26.0	39.0

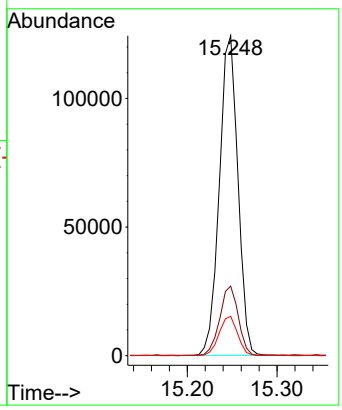




#60
Diethylphthalate
Concen: 5.165 ng
RT: 15.248 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 17815

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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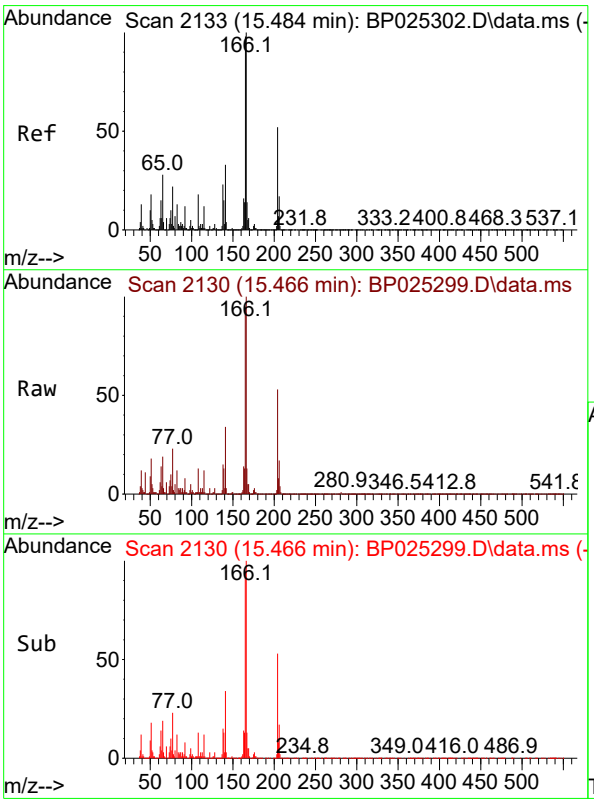
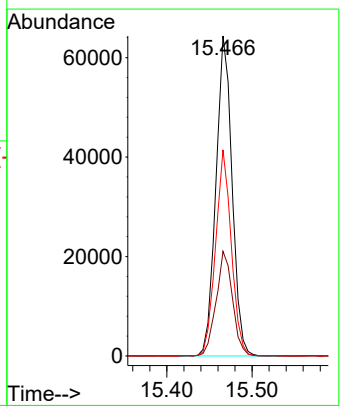
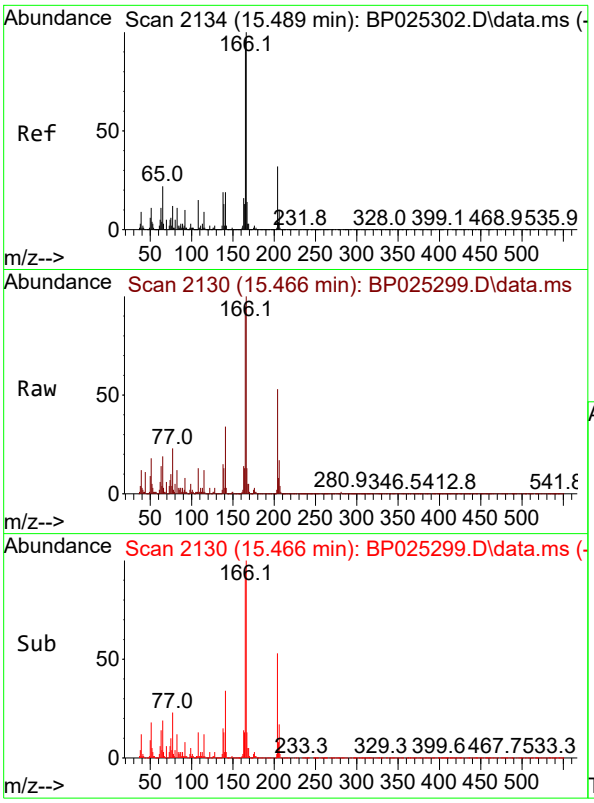


#61
4-Chlorophenyl-phenylether
Concen: 5.671 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:204 Resp: 84717

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	64.4	50.3	75.5

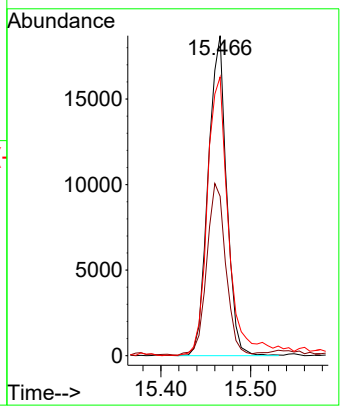




#62
4-Nitroaniline
Concen: 3.637 ng
RT: 15.466 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:138 Resp: 2661

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	87.1	56.6	96.6



Instrument :
BNA_P
ClientSampleId :
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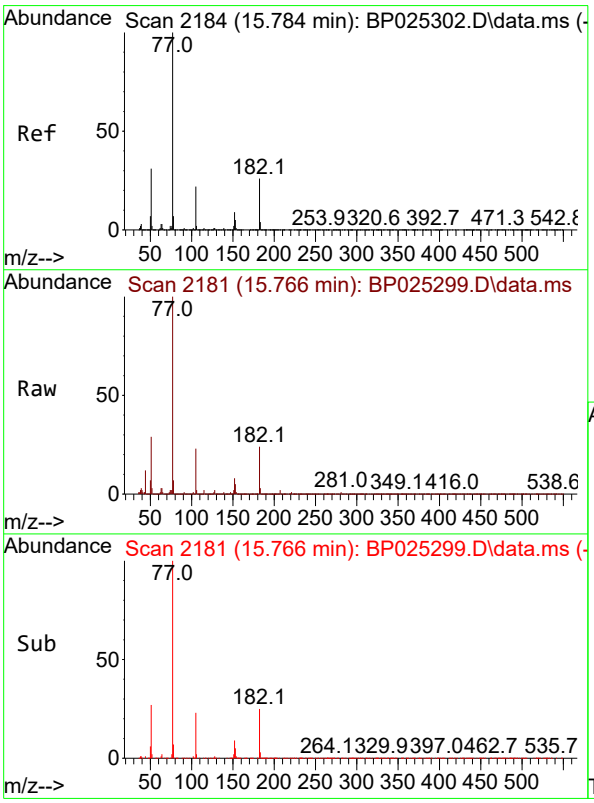
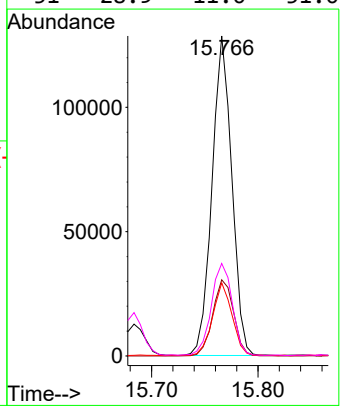
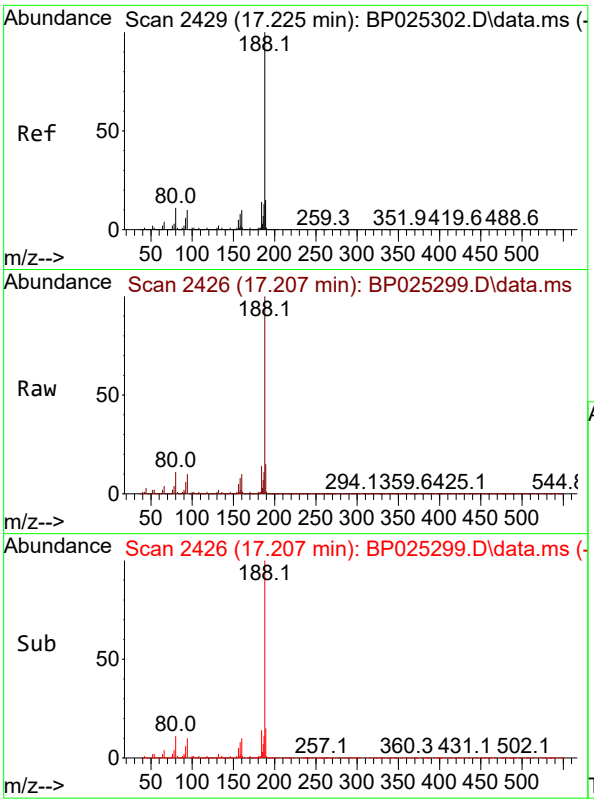


#63
Azobenzene
Concen: 5.170 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 77 Resp: 165659

Ion	Ratio	Lower	Upper
77	100		
182	23.8	6.0	46.0
105	22.9	2.1	42.1
51	28.9	11.0	51.0

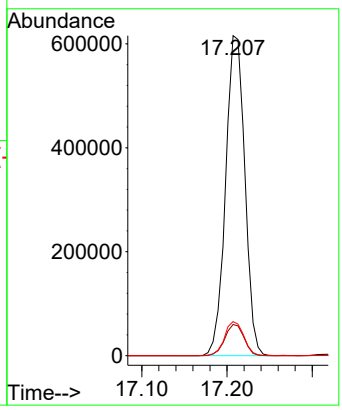




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:188 Resp: 96580

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.6	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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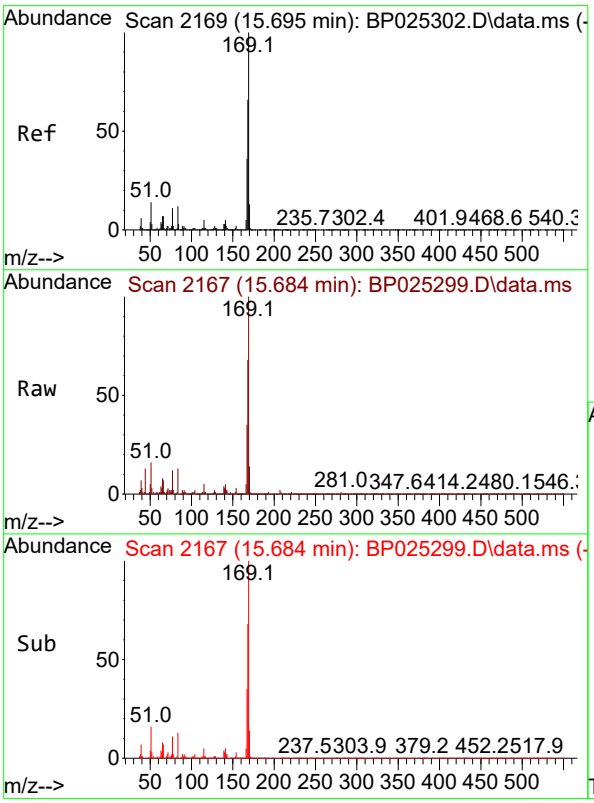
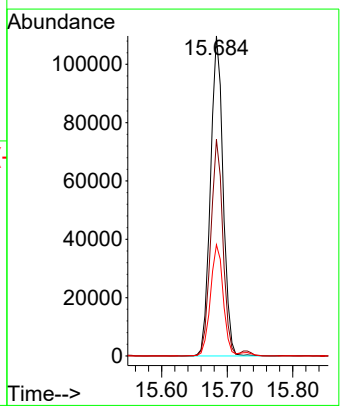
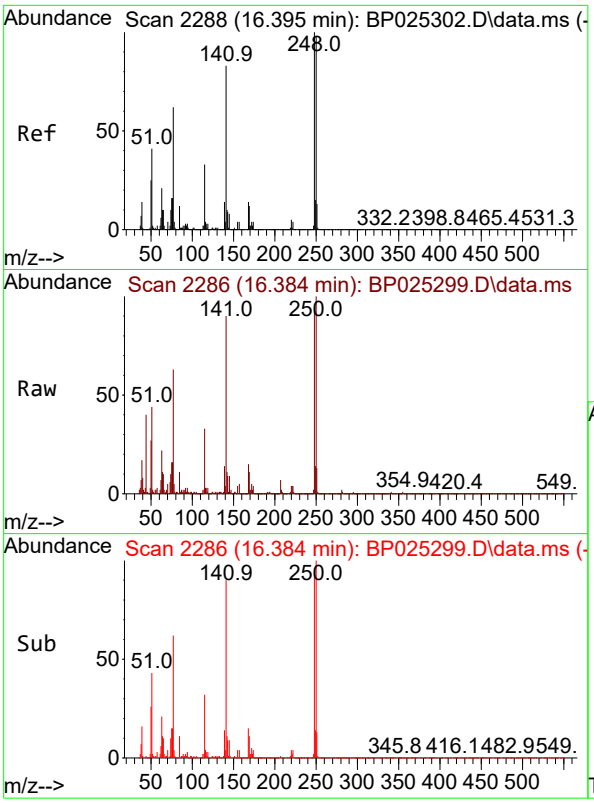


#66
n-Nitrosodiphenylamine
Concen: 4.973 ng
RT: 15.684 min Scan# 2167
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:169 Resp: 146252

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.8	79.2
167	34.7	28.5	42.7

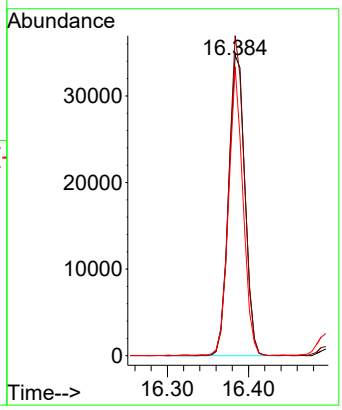




#67
4-Bromophenyl-phenylether
Concen: 4.978 ng
RT: 16.384 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:248 Resp: 4837

Ion	Ratio	Lower	Upper
248	100		
250	106.6	78.6	117.8
141	96.2	66.6	99.8



Instrument :
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ClientSampleId :
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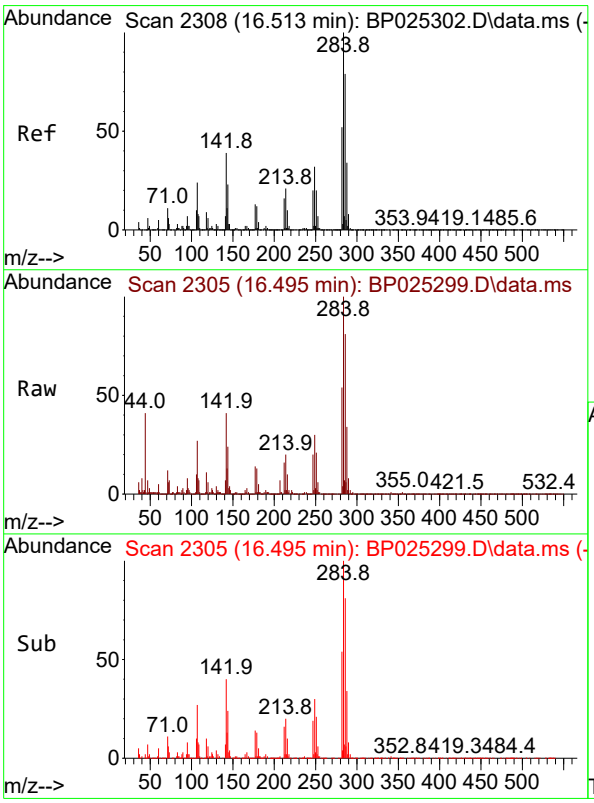
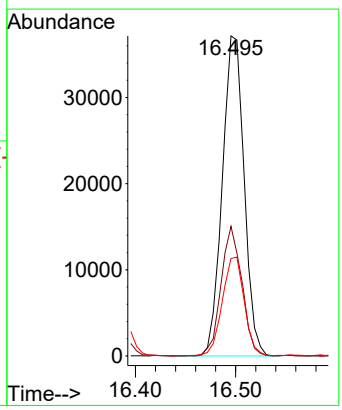
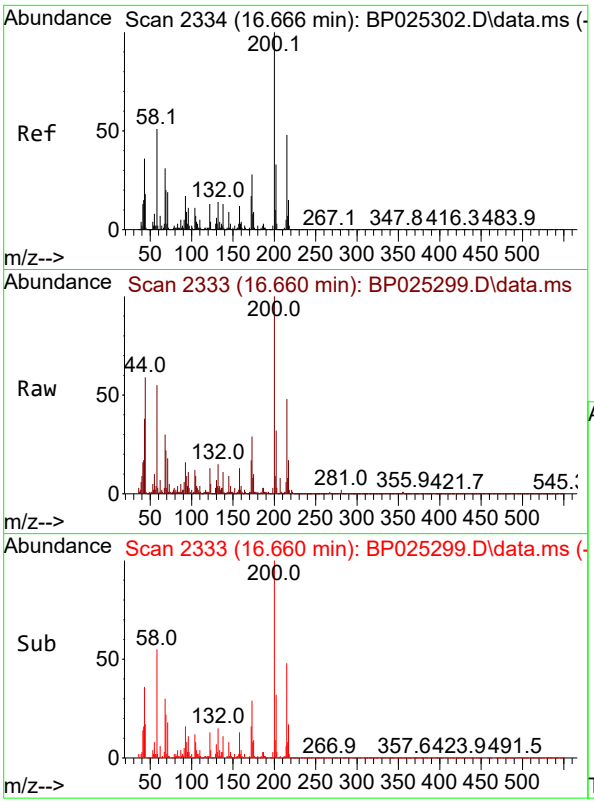


#68
Hexachlorobenzene
Concen: 5.143 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:284 Resp: 56081

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	30.5	25.4	38.0

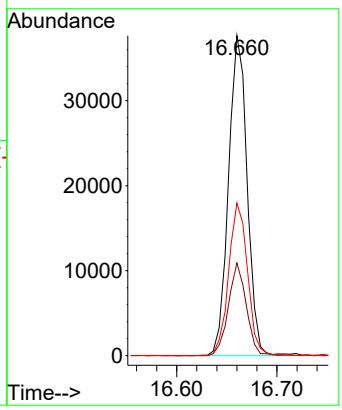




#69
Atrazine
Concen: 4.702 ng
RT: 16.660 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:200 Resp: 4862

Ion	Ratio	Lower	Upper
200	100		
173	28.9	8.2	48.2
215	47.7	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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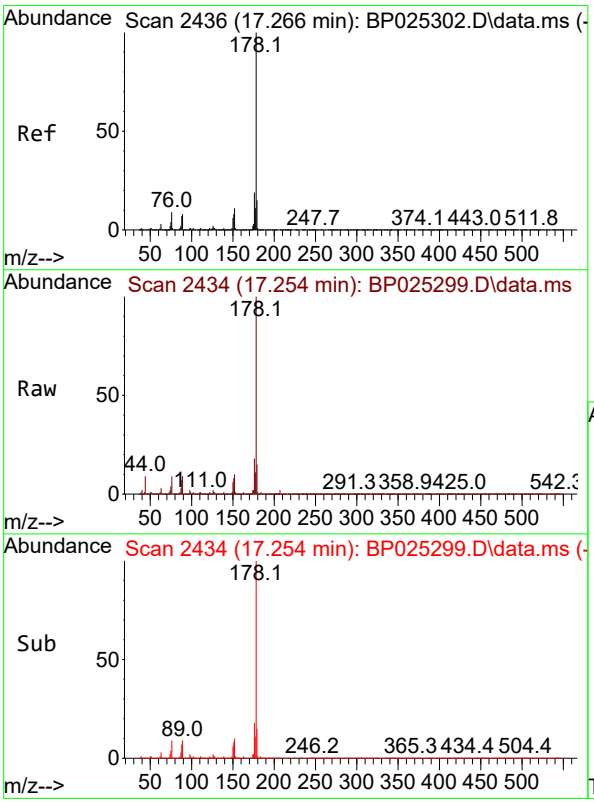
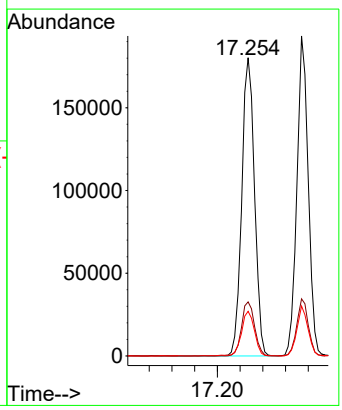
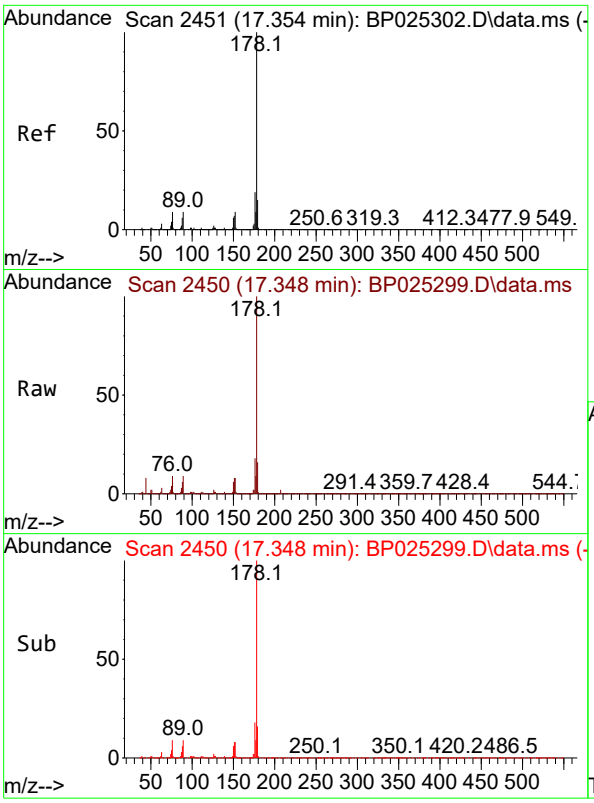


#71
Phenanthrene
Concen: 5.301 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:178 Resp: 280407

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.0	12.1	18.1

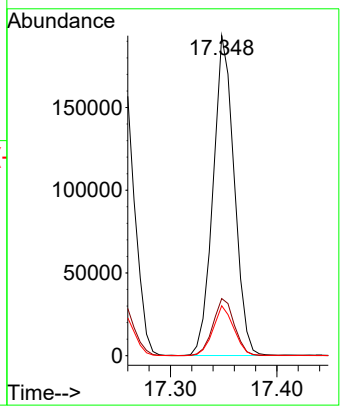




#72
Anthracene
Concen: 4.996 ng
RT: 17.348 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:178 Resp: 26647

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.8	22.2
179	15.6	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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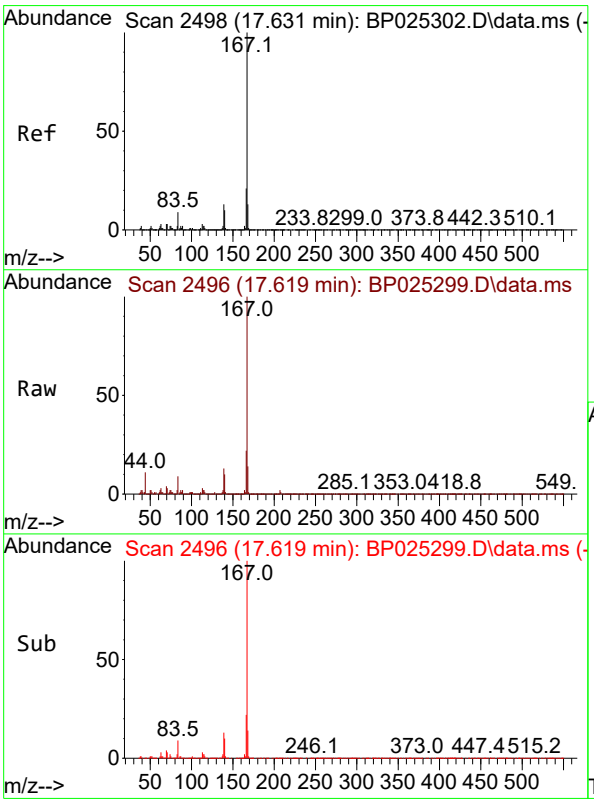
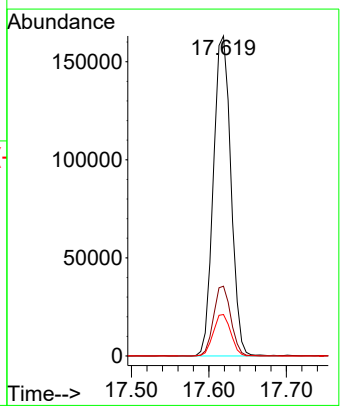
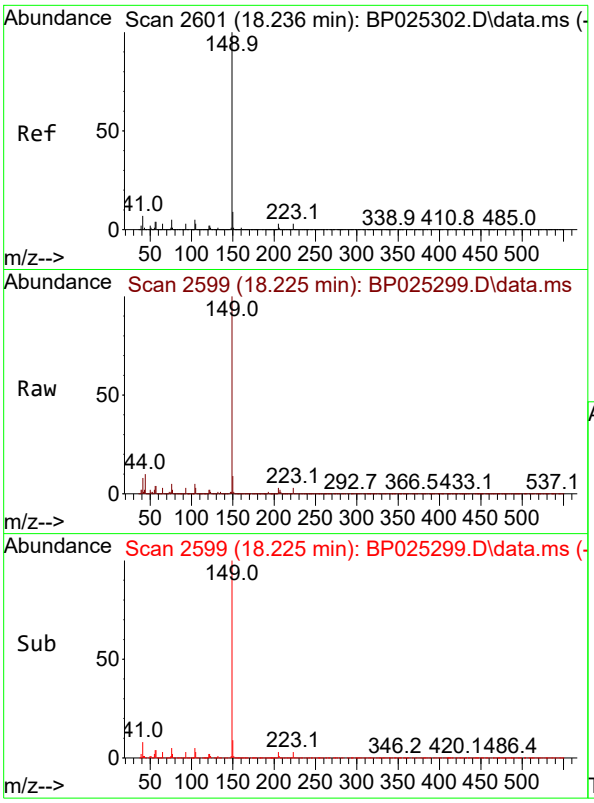


#73
Carbazole
Concen: 5.008 ng
RT: 17.619 min Scan# 2496
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:167 Resp: 256385

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.0	10.6	16.0

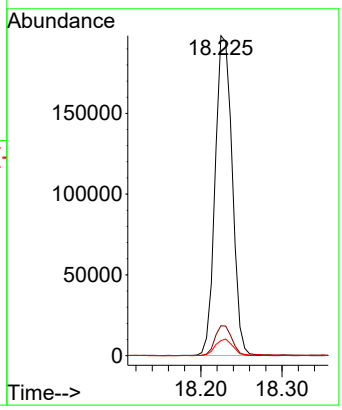




#74
Di-n-butylphthalate
Concen: 4.669 ng
RT: 18.225 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 28917

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	4.1	6.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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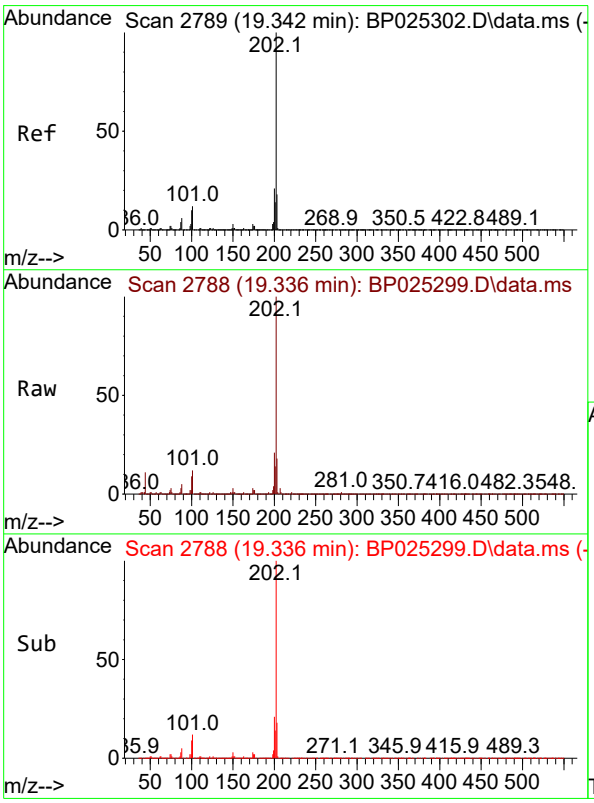
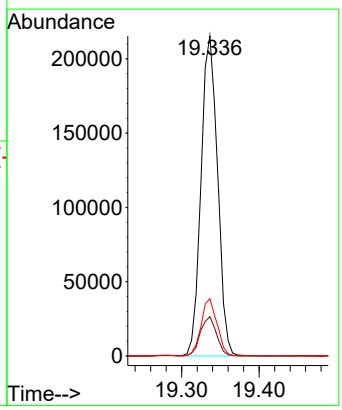
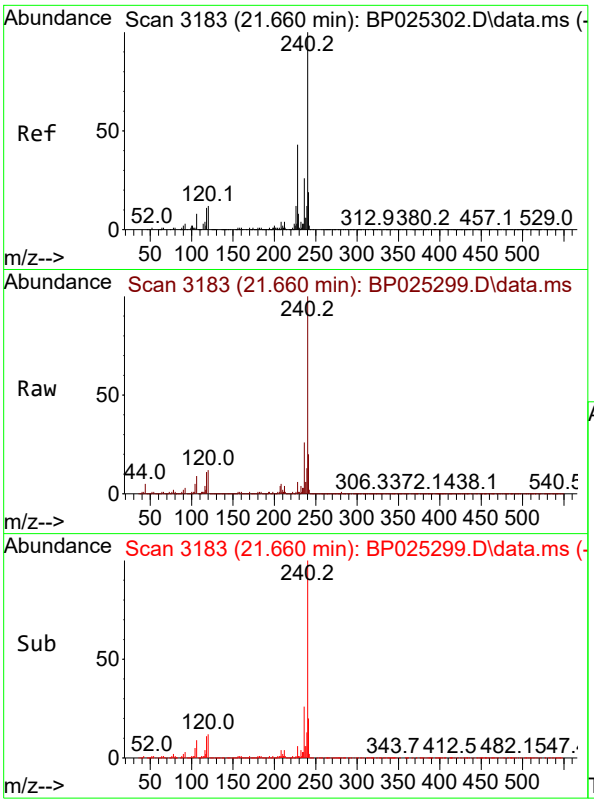


#75
Fluoranthene
Concen: 5.207 ng
RT: 19.336 min Scan# 2788
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:202 Resp: 318877

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.9	0.0	37.6

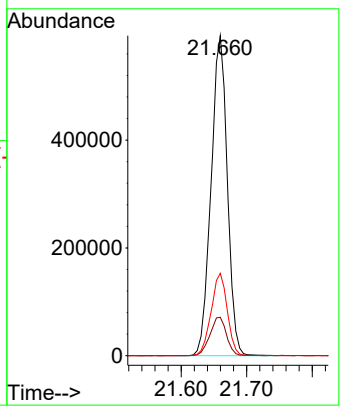




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:240 Resp: 101885

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.7	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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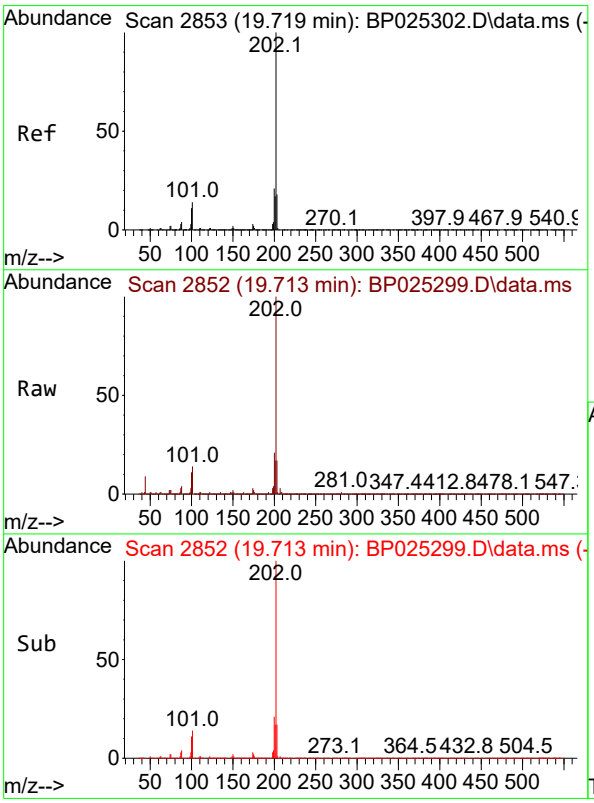
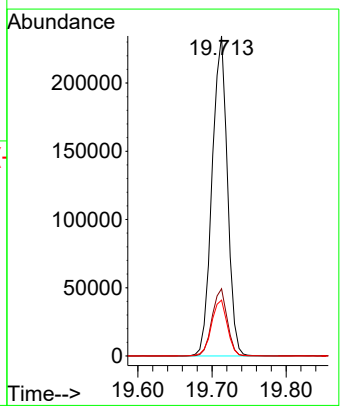
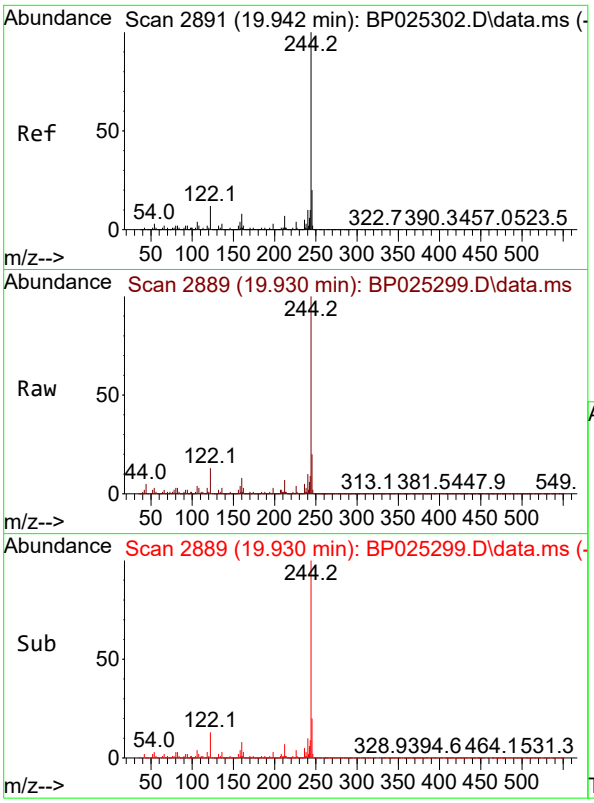


#78
Pyrene
Concen: 4.966 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:202 Resp: 336486

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

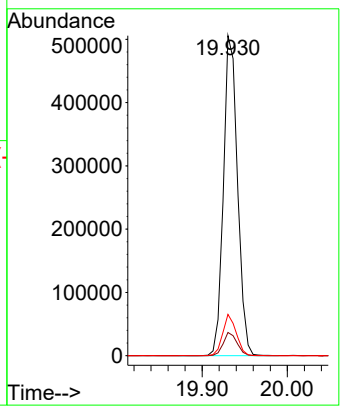




#79
Terphenyl-d14
Concen: 10.771 ng
RT: 19.930 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:244 Resp: 58091

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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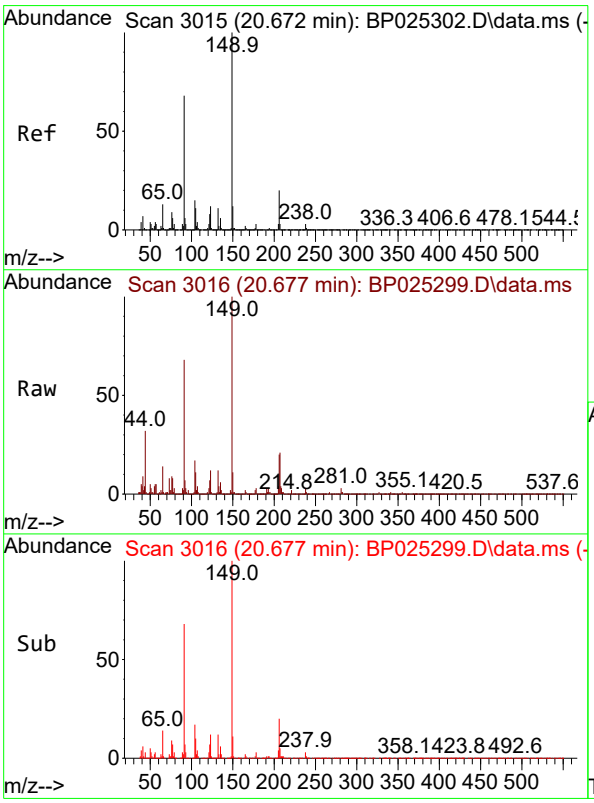
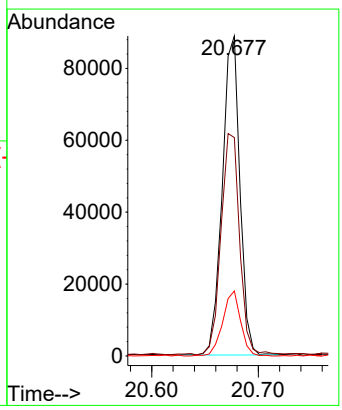
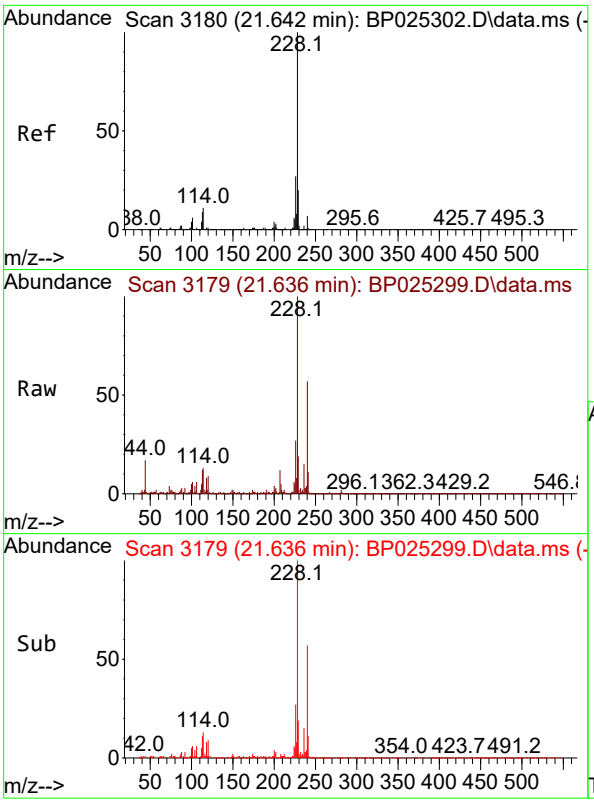


#80
Butylbenzylphthalate
Concen: 3.701 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 101682

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.7	82.1
206	20.3	16.4	24.6

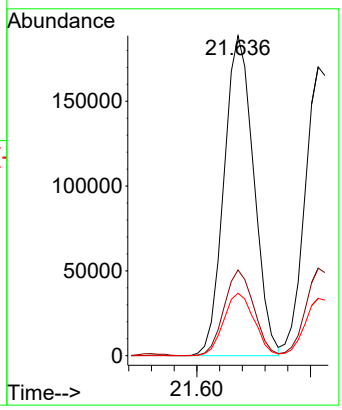




#81
Benzo(a)anthracene
Concen: 5.065 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:228 Resp: 34292

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.5	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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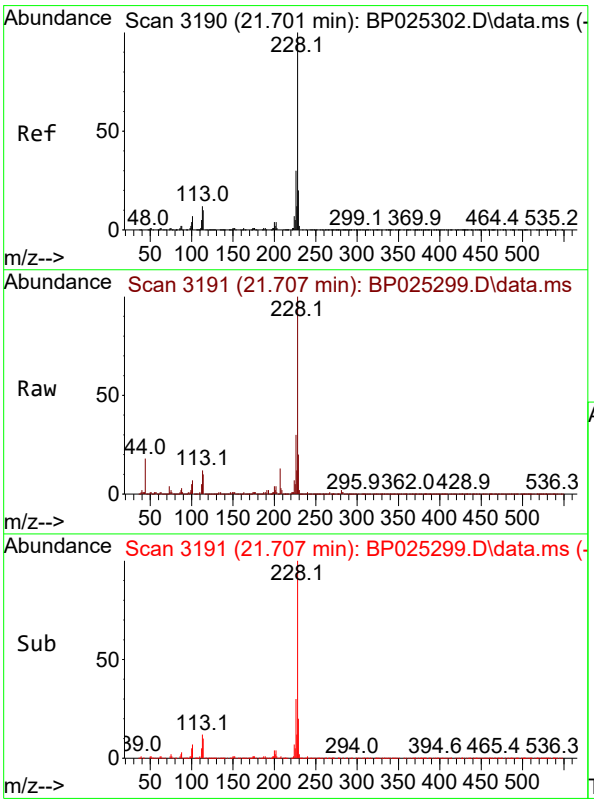
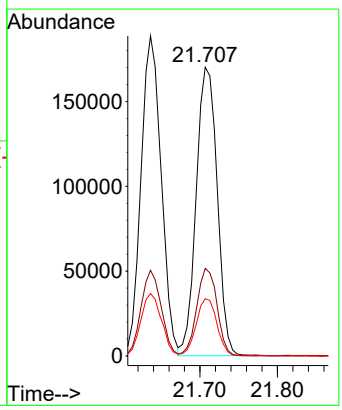
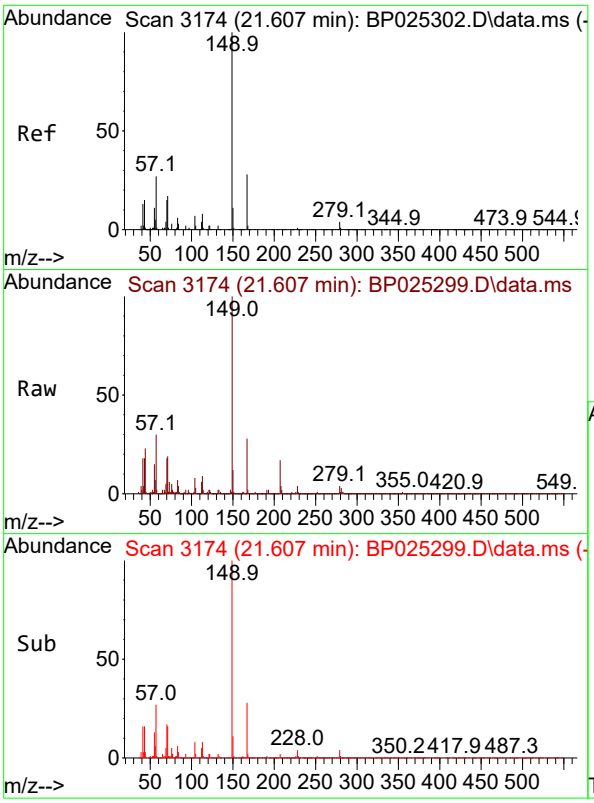


#83
Chrysene
Concen: 5.098 ng
RT: 21.707 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:228 Resp: 320171

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.8	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.269 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

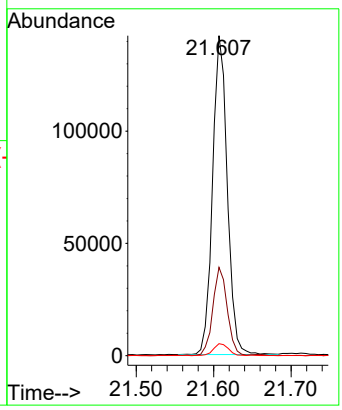
Tgt Ion:149 Resp: 18730

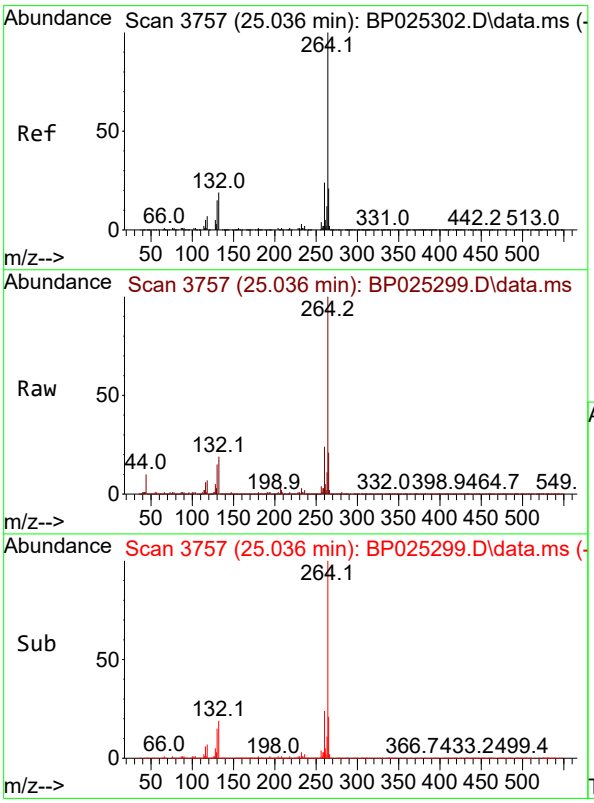
Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.8	3.4	5.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

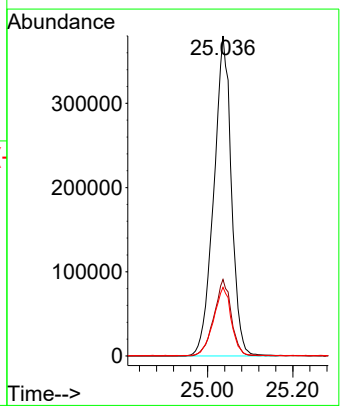


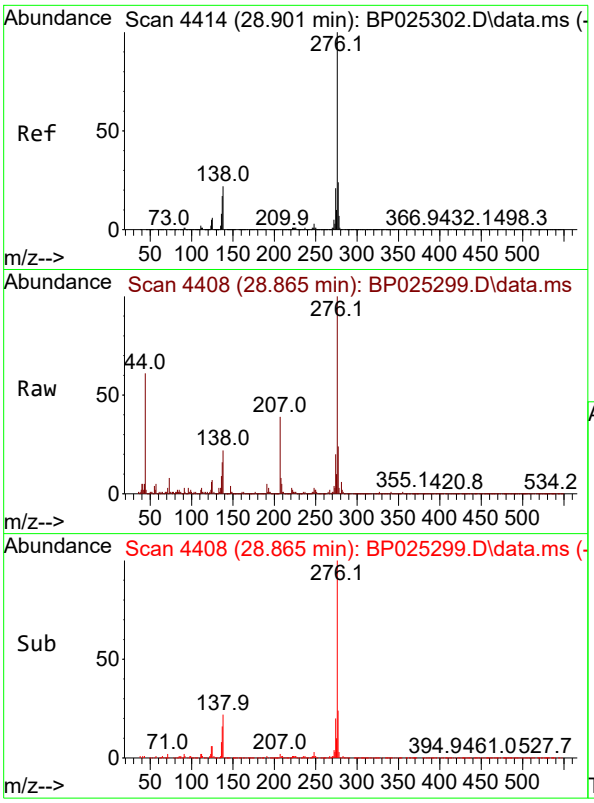


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:264 Resp: 1088697

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.1	25.7

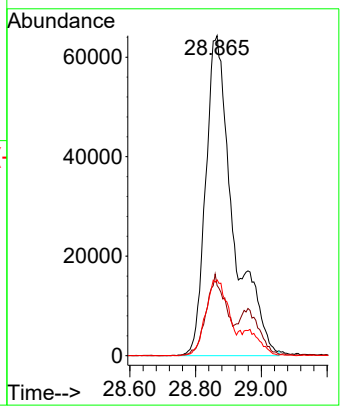




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.785 ng m
RT: 28.865 min Scan# 44
Delta R.T. -0.036 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:276 Resp: 37392

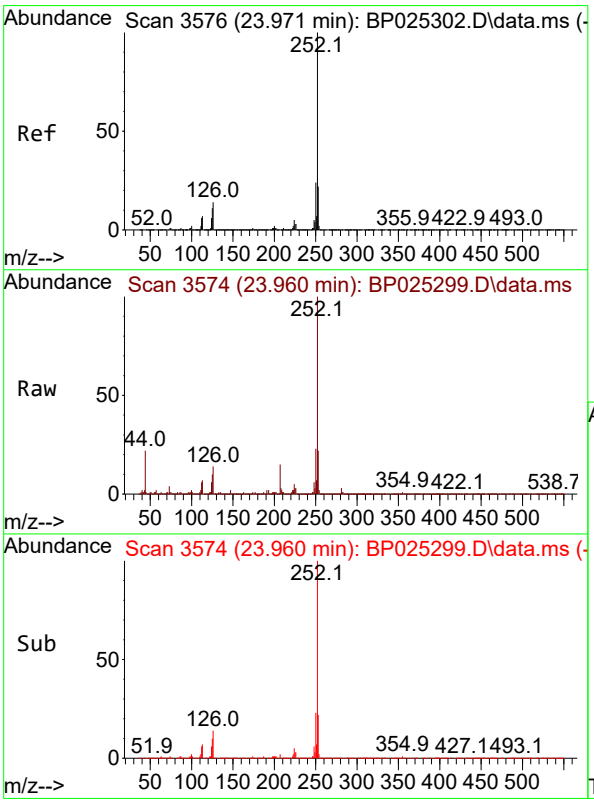
Ion	Ratio	Lower	Upper
276	100		
138	18.6	14.6	22.0
277	19.5	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

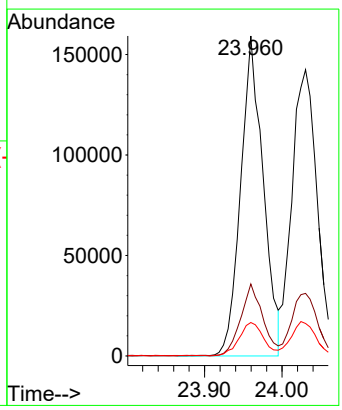
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

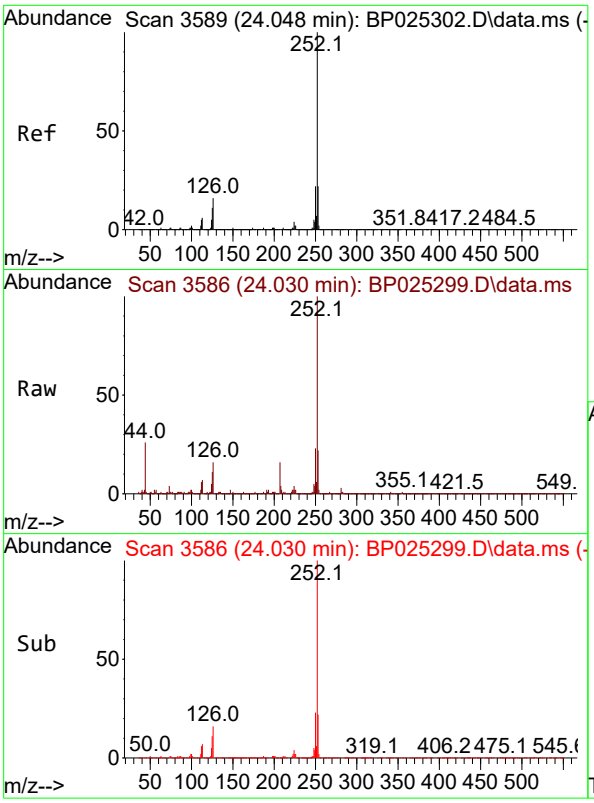


#88
Benzo(b)fluoranthene
Concen: 4.937 ng
RT: 23.960 min Scan# 3574
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 321726

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.5	12.7

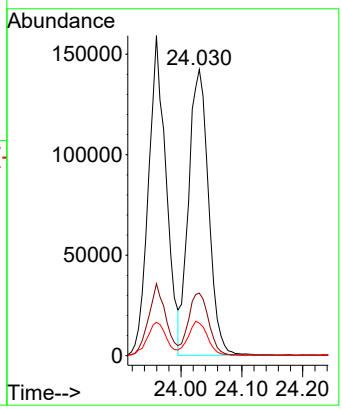




#89
Benzo(k)fluoranthene
Concen: 5.016 ng
RT: 24.030 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 32409

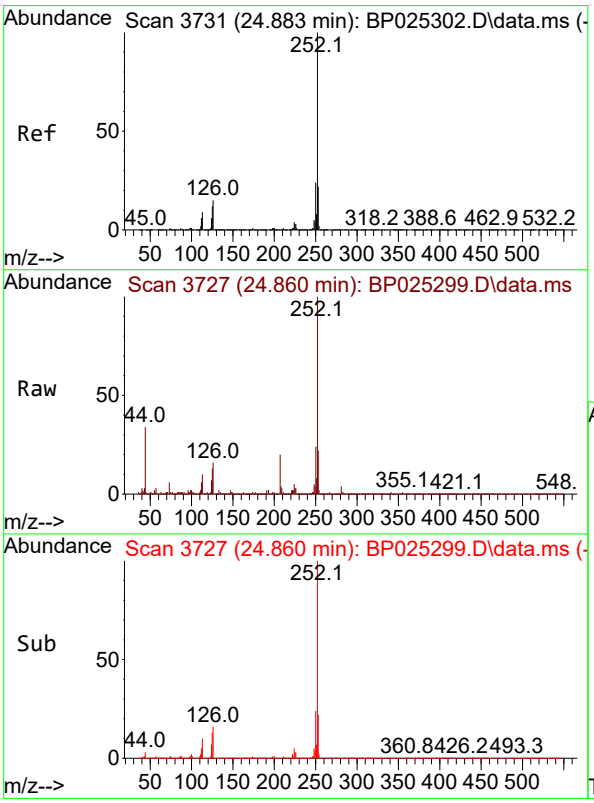
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.3	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

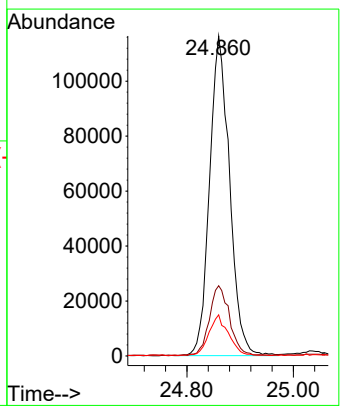
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

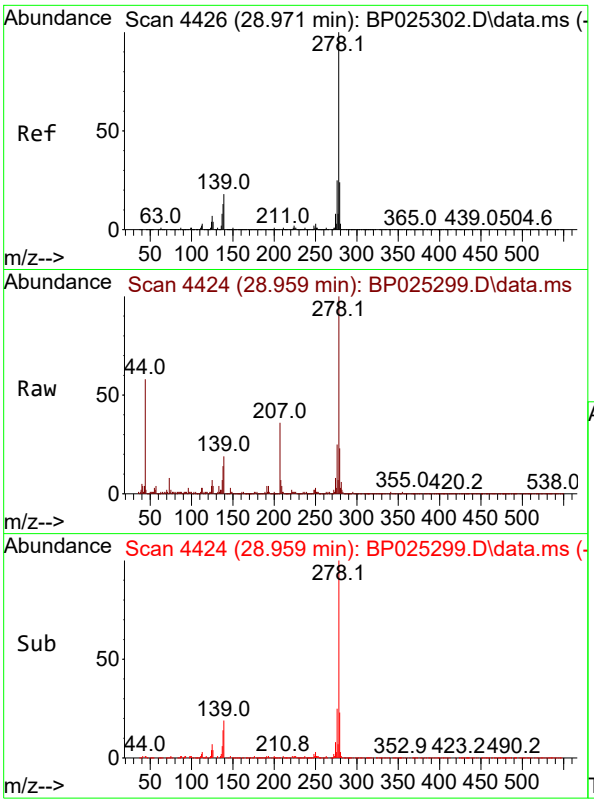


#90
Benzo(a)pyrene
Concen: 4.840 ng
RT: 24.860 min Scan# 3727
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 303778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.8	9.4	14.0

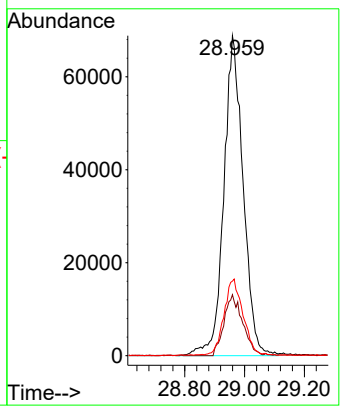




#91
Dibenzo(a,h)anthracene
Concen: 4.833 ng
RT: 28.959 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:278 Resp: 30884

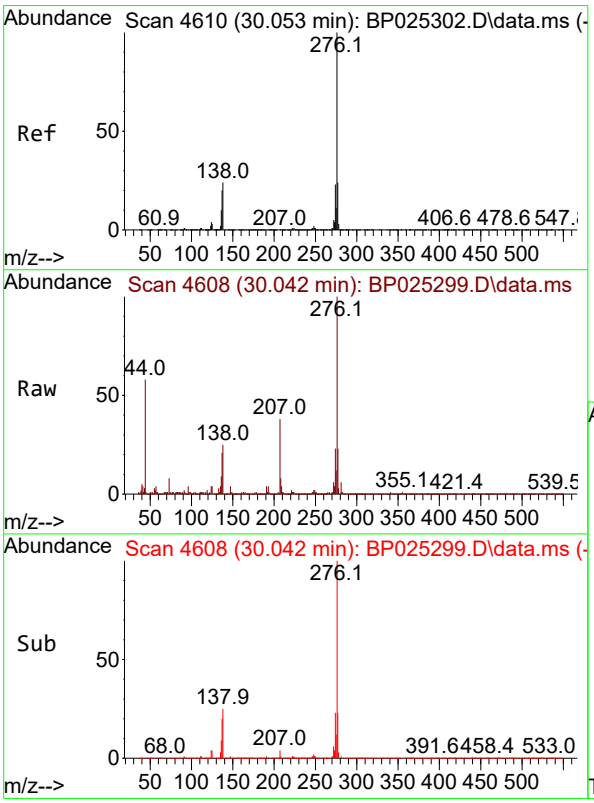
Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.6	22.0
279	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

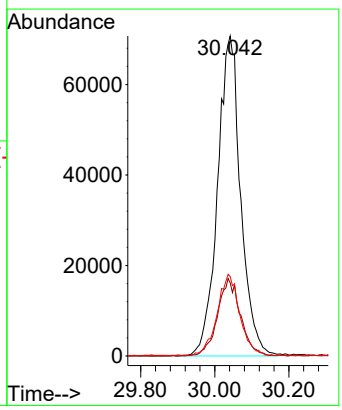
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 4.886 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:276 Resp: 306565

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.3	28.9
138	24.8	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	199588	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	845252	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	537224	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	1073622	20.000	ng		-0.01
76) Chrysene-d12	21.654	240	1112736	20.000	ng		0.00
86) Perylene-d12	25.024	264	1171338	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	243459	19.492	ng		0.00
7) Phenol-d6	6.961	99	315945	19.176	ng		0.00
23) Nitrobenzene-d5	8.937	82	282618	18.091	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	97752	17.623	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	780489	20.174	ng		0.00
79) Terphenyl-d14	19.942	244	1204621	20.452	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	50082	10.227	ng		97
3) Pyridine	3.725	79	134101	9.856	ng		95
4) n-Nitrosodimethylamine	3.643	42	60618	9.597	ng	#	95
6) Aniline	7.131	93	209460	9.343	ng		98
8) 2-Chlorophenol	7.372	128	126166	9.288	ng		97
9) Benzaldehyde	6.949	77	112991	9.741	ng		99
10) Phenol	6.984	94	167307	9.575	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	130843	9.556	ng		100
12) 1,3-Dichlorobenzene	7.696	146	151188	9.906	ng		98
13) 1,4-Dichlorobenzene	7.837	146	150627	9.755	ng		100
14) 1,2-Dichlorobenzene	8.155	146	144777	9.679	ng		98
15) Benzyl Alcohol	8.025	79	112727	8.905	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.325	45	208708	9.650	ng		98
17) 2-Methylphenol	8.225	107	108323	9.264	ng		99
18) Hexachloroethane	8.878	117	53085	9.613	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	102413	9.544	ng		99
20) 3+4-Methylphenols	8.543	107	144425	8.970	ng		100
22) Acetophenone	8.608	105	210356	9.914	ng	#	98
24) Nitrobenzene	8.978	77	132011	9.140	ng		99
25) Isophorone	9.502	82	288268	9.492	ng		98
26) 2-Nitrophenol	9.684	139	35903	8.913	ng		98
27) 2,4-Dimethylphenol	9.743	122	135004	9.642	ng		99
28) bis(2-Chloroethoxy)met...	9.978	93	175188	9.483	ng		97
29) 2,4-Dichlorophenol	10.213	162	109548	8.937	ng		98
30) 1,2,4-Trichlorobenzene	10.437	180	132056	9.765	ng		96
31) Naphthalene	10.625	128	428389	9.763	ng		100
32) Benzoic acid	9.796	122	29602	10.101	ng		97
33) 4-Chloroaniline	10.719	127	183806	9.419	ng		100
34) Hexachlorobutadiene	10.919	225	75081	9.671	ng		97
35) Caprolactam	11.449	113	40323	8.461	ng		97
36) 4-Chloro-3-methylphenol	11.831	107	127937	9.020	ng		98
37) 2-Methylnaphthalene	12.225	142	276185	9.724	ng		98
38) 1-Methylnaphthalene	12.449	142	288814	9.746	ng		98
40) 1,2,4,5-Tetrachloroben...	12.596	216	142243	9.698	ng		99
41) Hexachlorocyclopentadiene	12.584	237	78172	8.636	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	80839	8.532	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

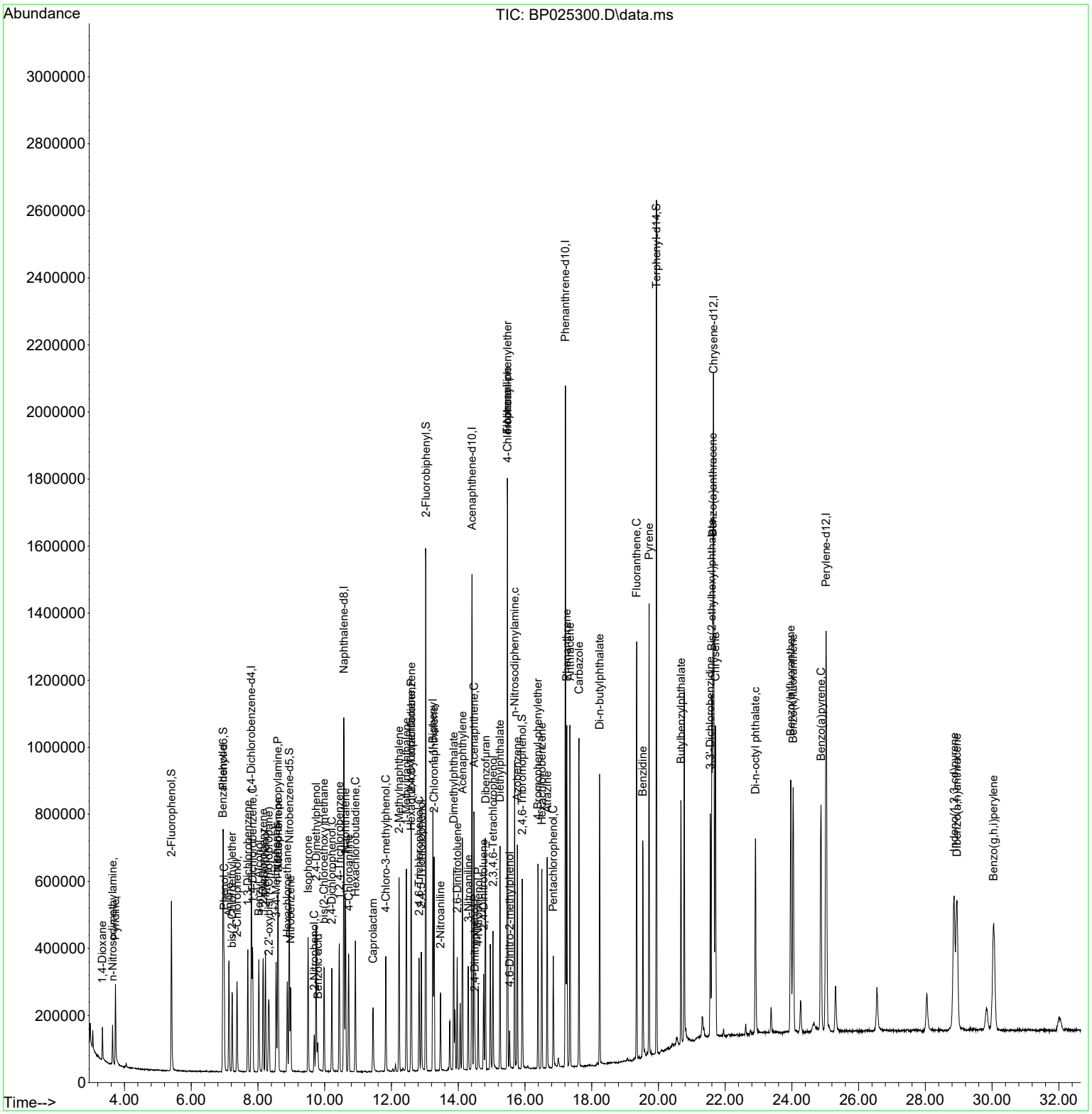
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.896	196	91922	8.648	ng		99
46)	1,1'-Biphenyl	13.243	154	392401	9.911	ng		99
47)	2-Chloronaphthalene	13.278	162	295035	9.768	ng		99
48)	2-Nitroaniline	13.472	65	56938	9.002	ng		98
49)	Acenaphthylene	14.125	152	494624	9.817	ng		100
50)	Dimethylphthalate	13.866	163	376892	9.624	ng		99
51)	2,6-Dinitrotoluene	13.972	165	58404	8.085	ng		98
52)	Acenaphthene	14.472	154	300858	9.790	ng		99
53)	3-Nitroaniline	14.301	138	68662	8.123	ng	#	94
54)	2,4-Dinitrophenol	14.501	184	15825	9.839	ng	#	76
55)	Dibenzofuran	14.819	168	459701	10.010	ng		98
56)	4-Nitrophenol	14.601	139	53432	7.162	ng		96
57)	2,4-Dinitrotoluene	14.760	165	69027	9.001	ng		87
58)	Fluorene	15.472	166	375406	10.408	ng		97
59)	2,3,4,6-Tetrachlorophenol	15.043	232	76798	8.599	ng		99
60)	Diethylphthalate	15.254	149	380275	9.631	ng		99
61)	4-Chlorophenyl-phenyle...	15.478	204	171438	10.026	ng		99
62)	4-Nitroaniline	15.472	138	70585	8.428	ng		93
63)	Azobenzene	15.772	77	359853	9.811	ng		98
65)	4,6-Dinitro-2-methylph...	15.543	198	22067	10.172	ng		95
66)	n-Nitrosodiphenylamine	15.690	169	322596	9.868	ng		99
67)	4-Bromophenyl-phenylether	16.390	248	104373	9.662	ng		98
68)	Hexachlorobenzene	16.507	284	119372	9.848	ng		97
69)	Atrazine	16.666	200	106765	9.287	ng		99
70)	Pentachlorophenol	16.848	266	55907	7.240	ng		95
71)	Phenanthrene	17.254	178	590839	10.048	ng		99
72)	Anthracene	17.348	178	586562	9.893	ng		99
73)	Carbazole	17.619	167	573898	10.083	ng		99
74)	Di-n-butylphthalate	18.236	149	637721	9.262	ng		99
75)	Fluoranthene	19.348	202	691537	10.159	ng		98
77)	Benzidine	19.531	184	371909	9.234	ng		99
78)	Pyrene	19.719	202	730793	9.876	ng		99
80)	Butylbenzylphthalate	20.678	149	229970	7.663	ng		97
81)	Benzo(a)anthracene	21.630	228	727727	9.842	ng		98
82)	3,3'-Dichlorobenzidine	21.554	252	230264	8.826	ng		99
83)	Chrysene	21.707	228	663697	9.677	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.601	149	396772	8.280	ng		100
85)	Di-n-octyl phthalate	22.907	149	562282	7.010	ng		98
87)	Indeno(1,2,3-cd)pyrene	28.859	276	762632	9.070	ng		99
88)	Benzo(b)fluoranthene	23.966	252	674021	9.613	ng		99
89)	Benzo(k)fluoranthene	24.036	252	670628	9.648	ng		99
90)	Benzo(a)pyrene	24.871	252	648807	9.608	ng		99
91)	Dibenzo(a,h)anthracene	28.948	278	630715	9.173	ng		99
92)	Benzo(g,h,i)perylene	30.042	276	615632	9.120	ng		98

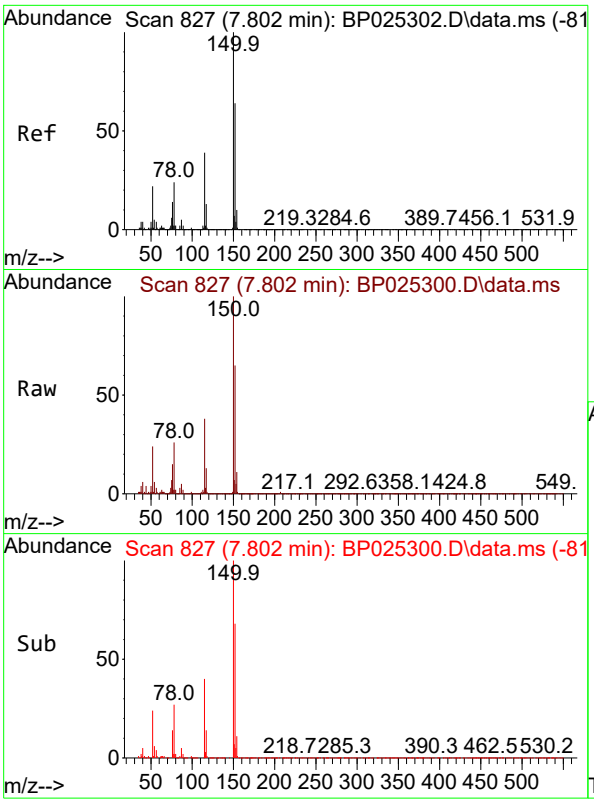
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



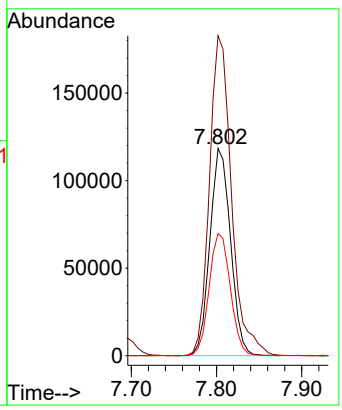


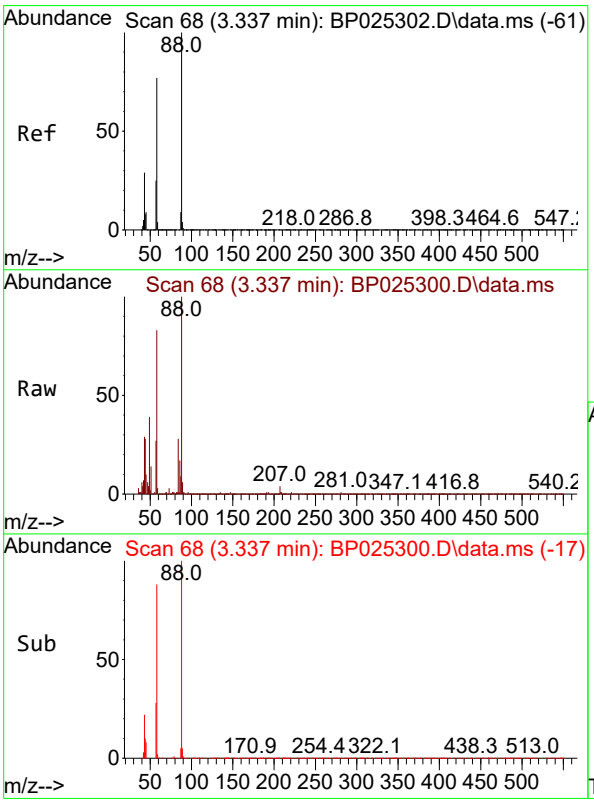
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 199588

Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.1	187.7
115	58.9	48.4	72.6

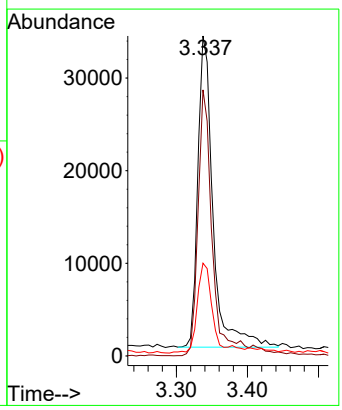


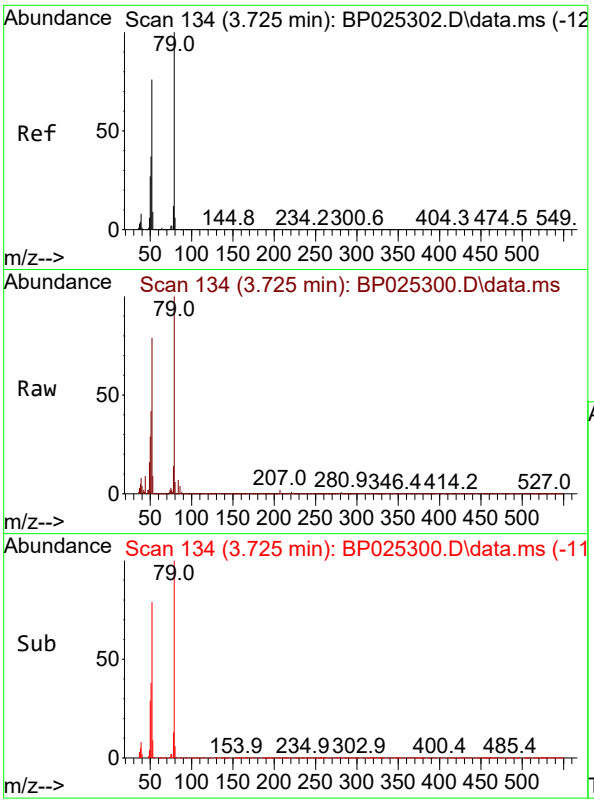


#2
1,4-Dioxane
Concen: 10.227 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 88 Resp: 50082

Ion	Ratio	Lower	Upper
88	100		
58	79.3	61.9	92.9
43	27.8	24.2	36.2



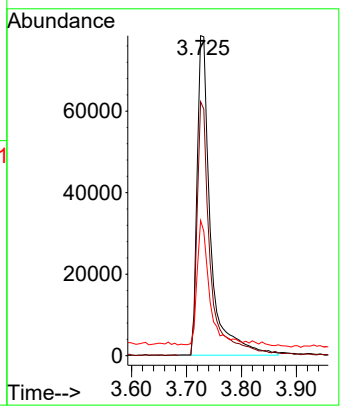


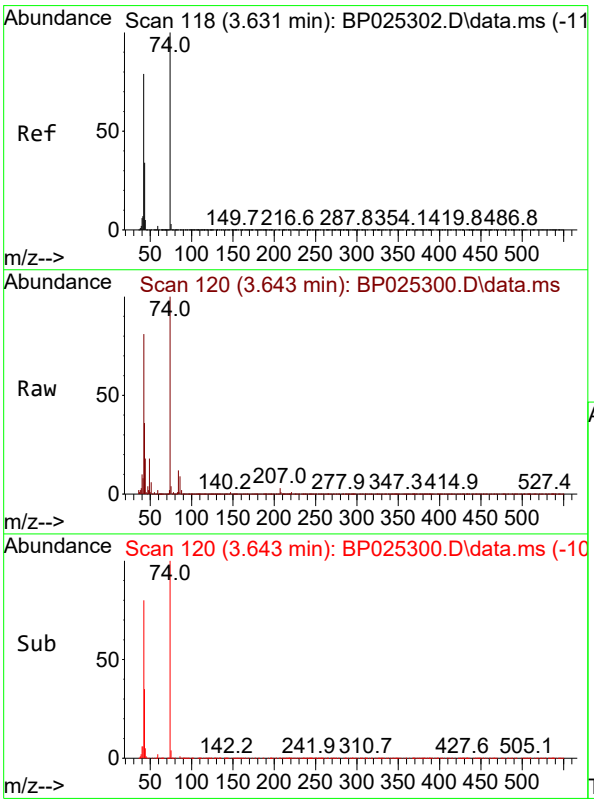
#3
Pyridine
Concen: 9.856 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 134101

Ion	Ratio	Lower	Upper
79	100		
52	79.4	60.5	90.7
51	42.2	30.2	45.2

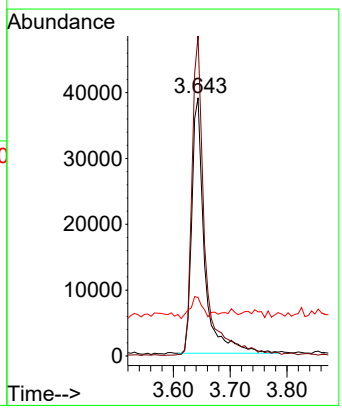


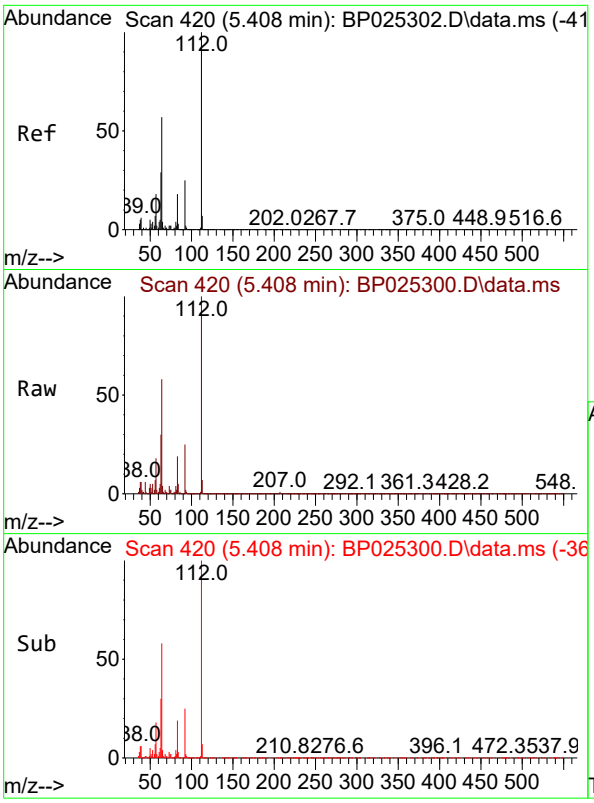


#4
n-Nitrosodimethylamine
Concen: 9.597 ng
RT: 3.643 min Scan# 120
Delta R.T. 0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 42 Resp: 60618

Ion	Ratio	Lower	Upper
42	100		
74	123.9	101.4	152.2
44	22.7	7.6	11.4#



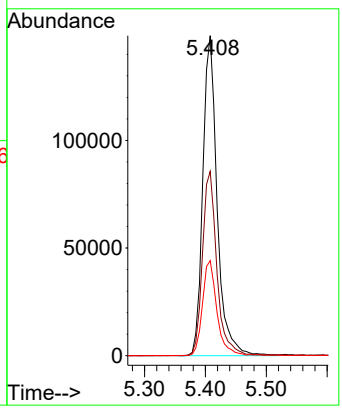


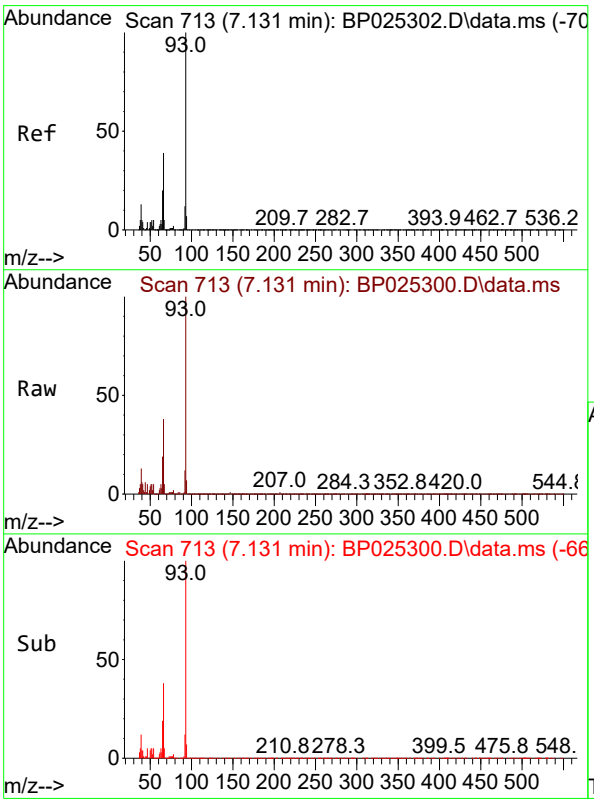
#5
2-Fluorophenol
Concen: 19.492 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 243459

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	29.7	23.0	34.6

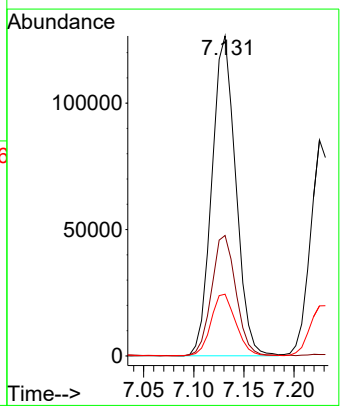


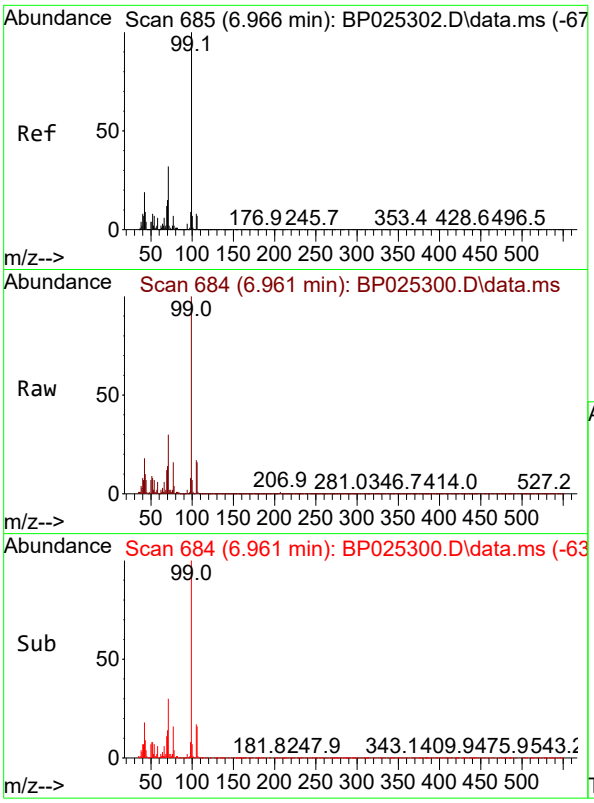


#6
Aniline
Concen: 9.343 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 93 Resp: 209460

Ion	Ratio	Lower	Upper
93	100		
66	37.6	31.1	46.7
65	19.3	15.8	23.8



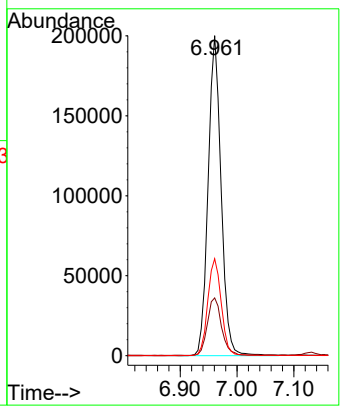


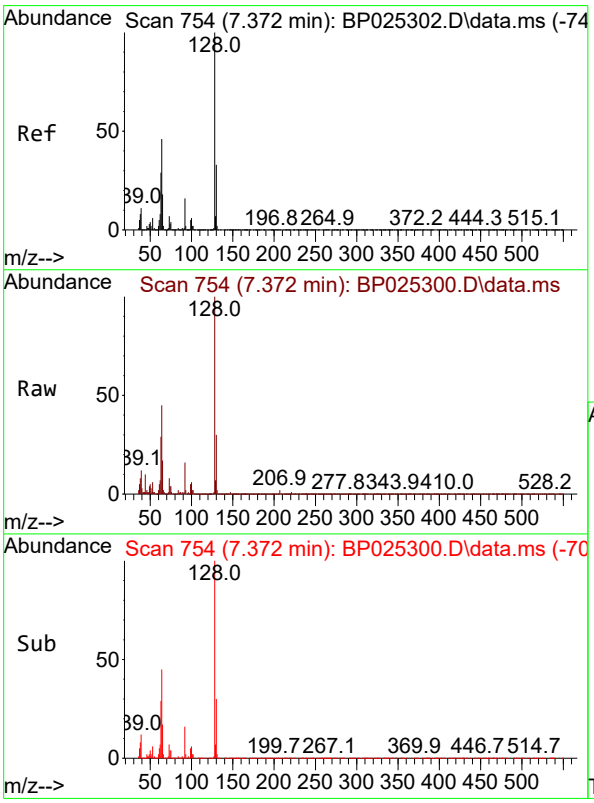
#7
Phenol-d6
Concen: 19.176 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 315945

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.6
71	30.3	25.5	38.3

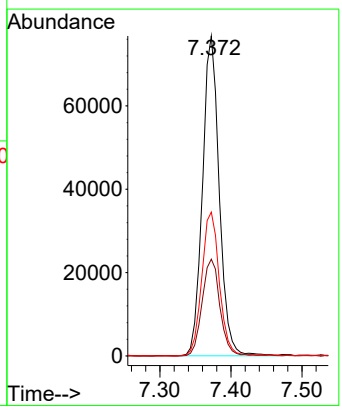


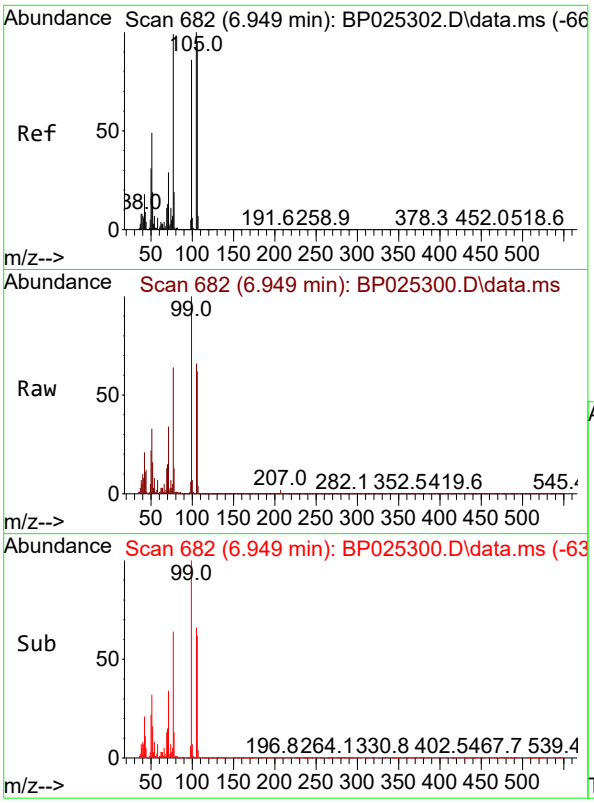


#8
2-Chlorophenol
Concen: 9.288 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:128 Resp: 126166

Ion	Ratio	Lower	Upper
128	100		
130	30.3	13.1	53.1
64	45.0	26.1	66.1



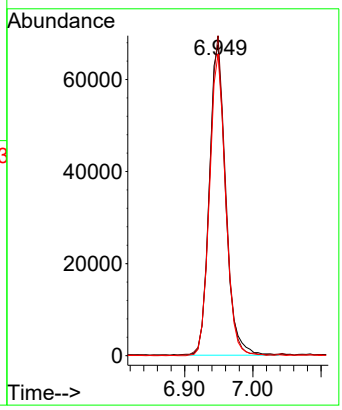


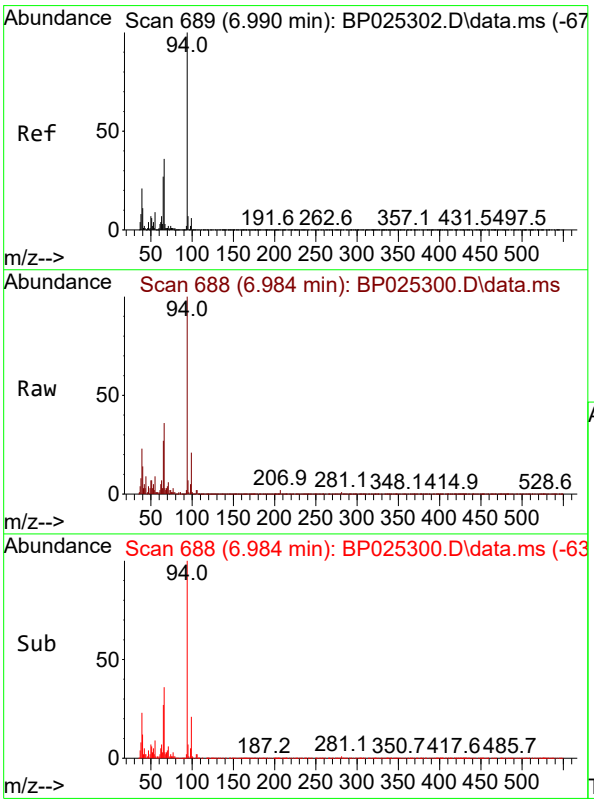
#9
Benzaldehyde
Concen: 9.741 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 112991

Ion	Ratio	Lower	Upper
77	100		
105	102.9	81.4	121.4
106	97.0	76.2	116.2

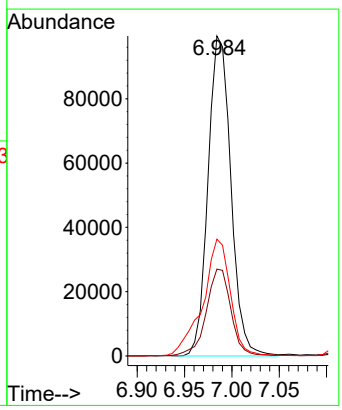


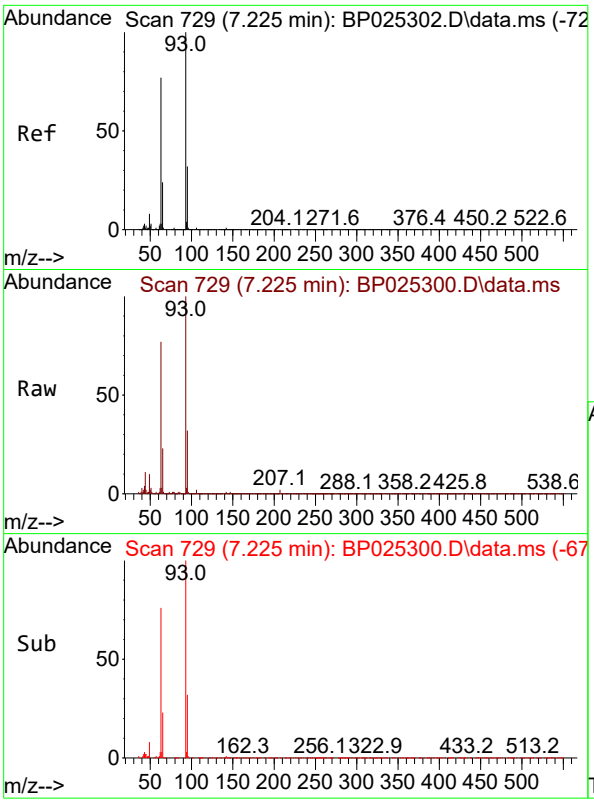


#10
Phenol
Concen: 9.575 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 94 Resp: 167307

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.3	47.3
66	36.5	15.7	55.7



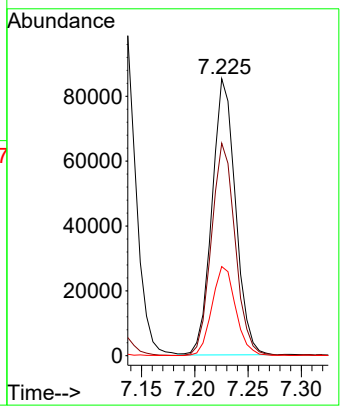


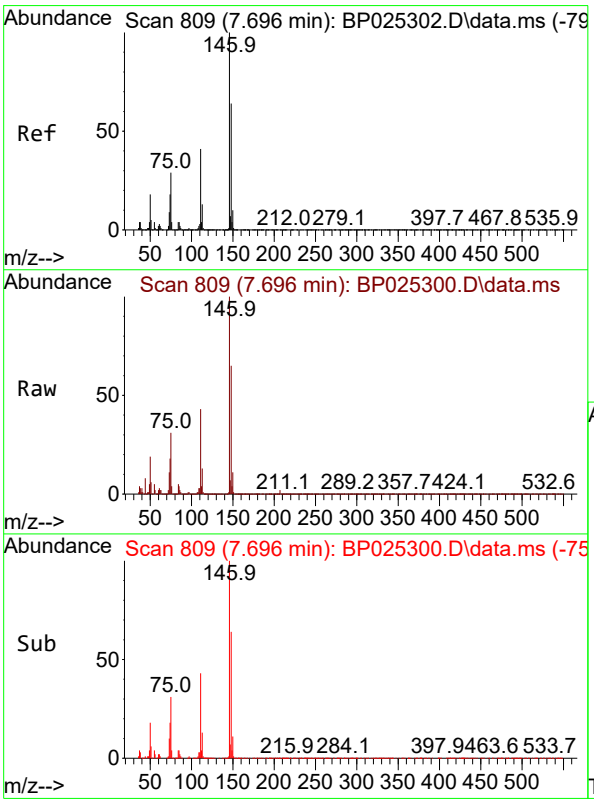
#11
bis(2-Chloroethyl)ether
Concen: 9.556 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 130843

Ion	Ratio	Lower	Upper
93	100		
63	76.8	57.0	97.0
95	32.2	12.1	52.1

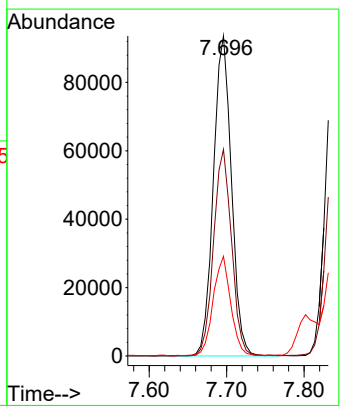


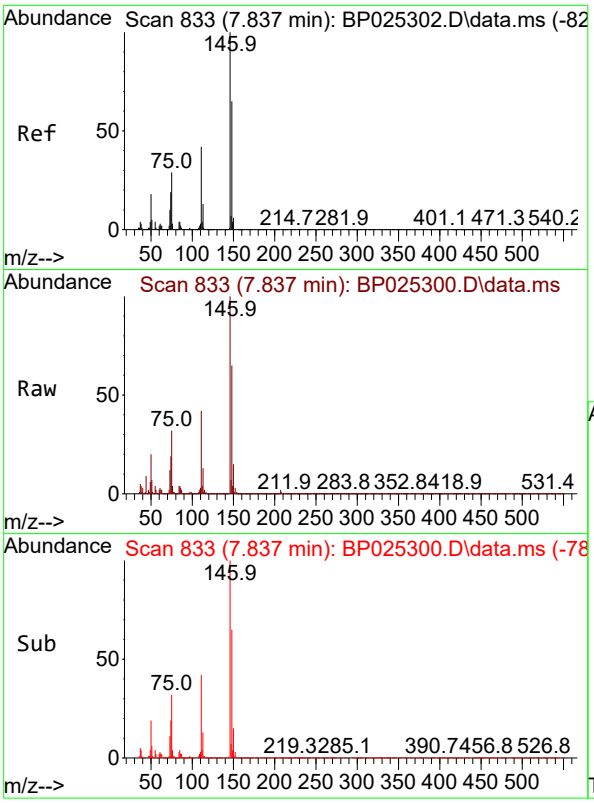


#12
1,3-Dichlorobenzene
Concen: 9.906 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:146 Resp: 151188

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
75	31.2	23.2	34.8



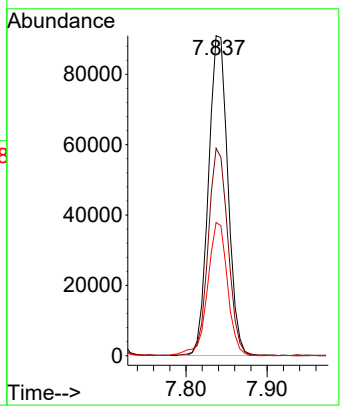


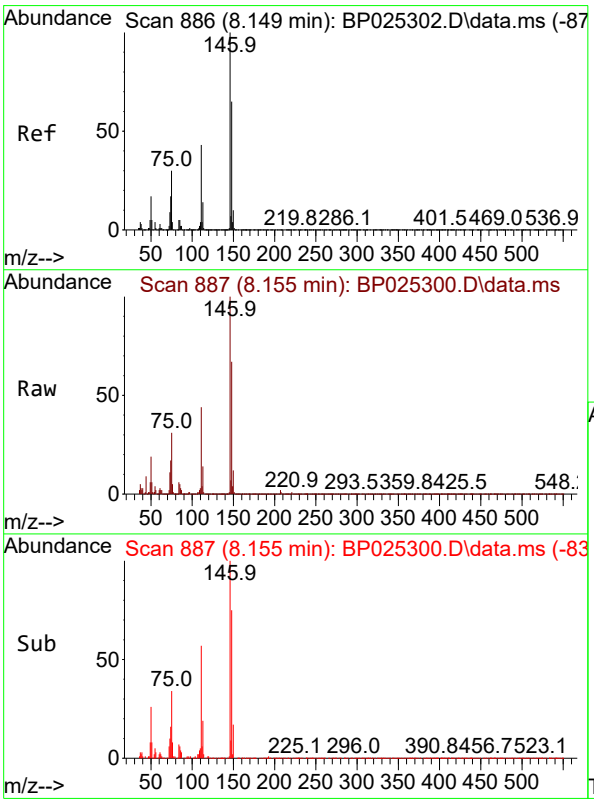
#13
1,4-Dichlorobenzene
Concen: 9.755 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 150627

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.0	78.0
111	41.7	33.2	49.8

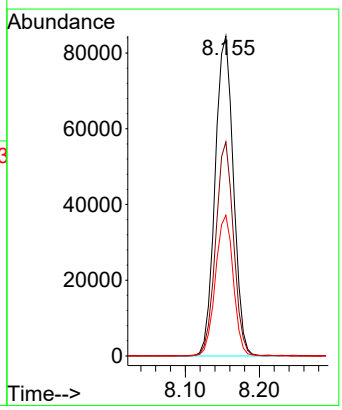


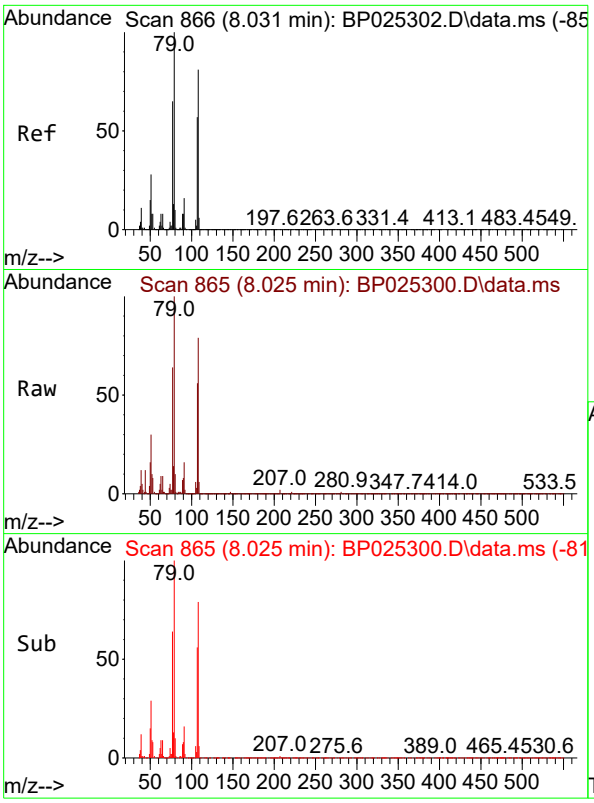


#14
1,2-Dichlorobenzene
Concen: 9.679 ng
RT: 8.155 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:146 Resp: 144777

Ion	Ratio	Lower	Upper
146	100		
148	66.9	51.9	77.9
111	43.9	34.4	51.6



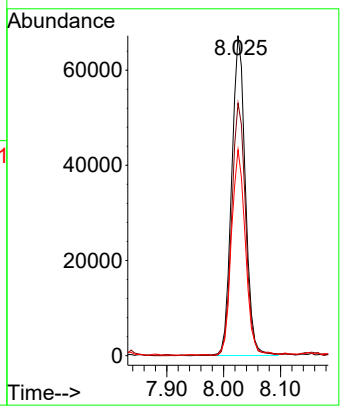


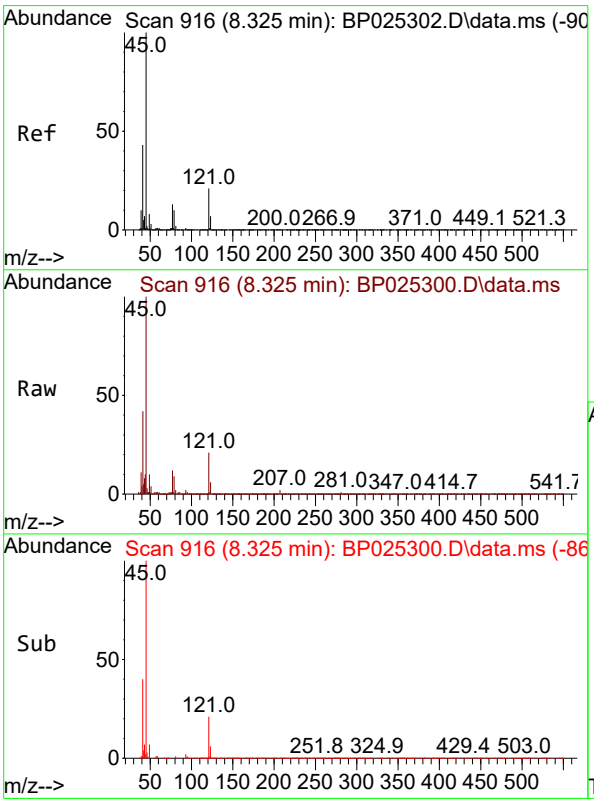
#15
Benzyl Alcohol
Concen: 8.905 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 112727

Ion	Ratio	Lower	Upper
79	100		
108	78.9	64.5	96.7
77	64.3	51.9	77.9

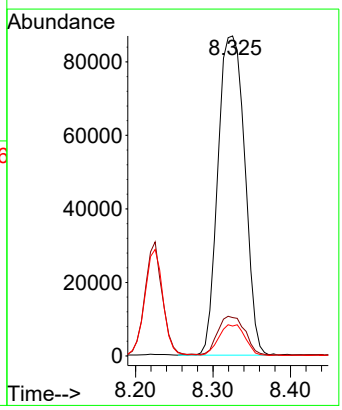


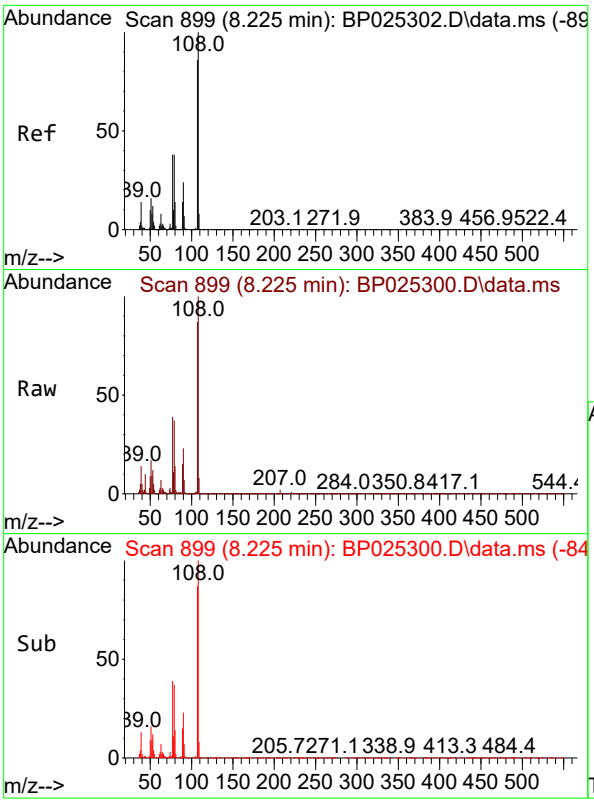


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.650 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 45 Resp: 208708

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	33.0
79	9.4	0.0	29.8



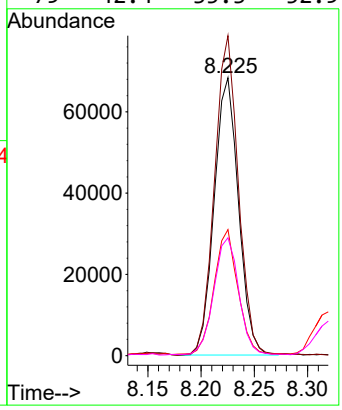


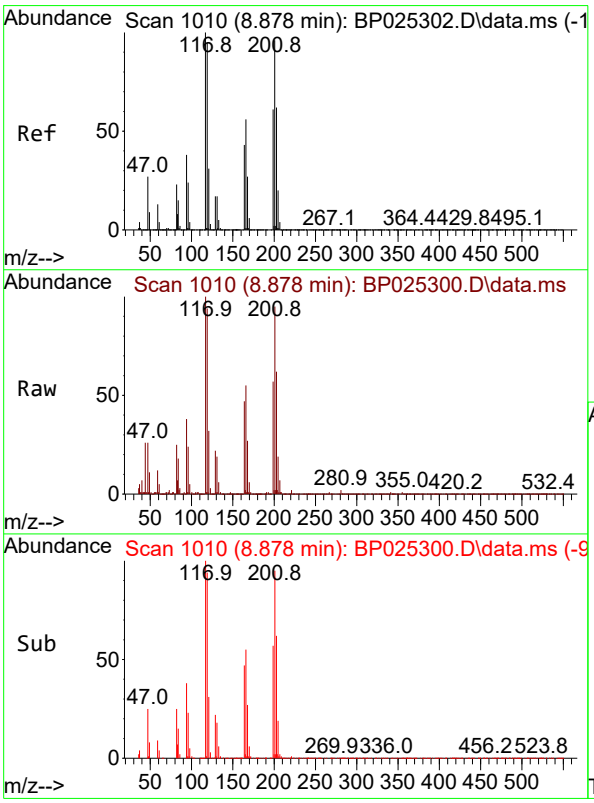
#17
2-Methylphenol
Concen: 9.264 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 108323

Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.6	139.0
77	45.4	35.4	53.2
79	42.4	35.3	52.9

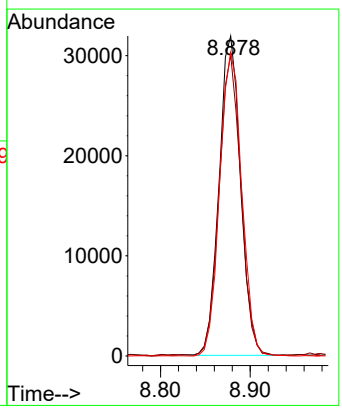


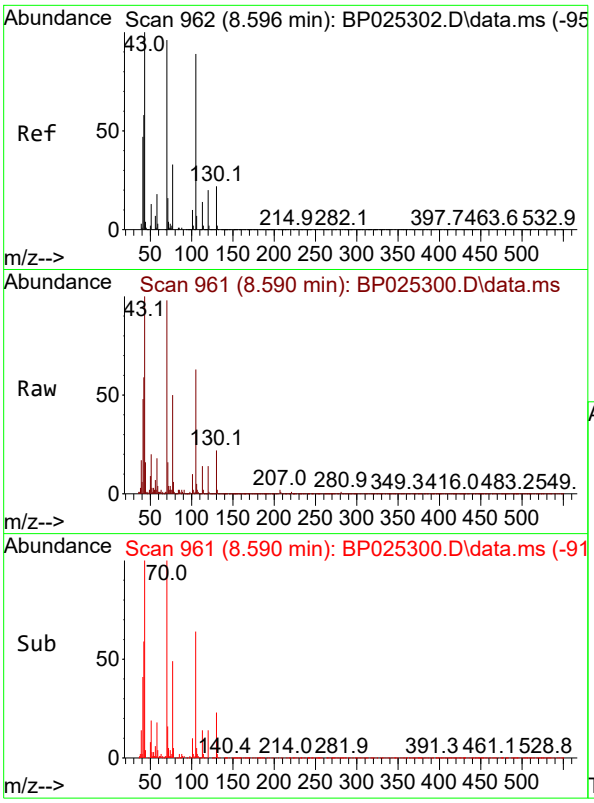


#18
Hexachloroethane
Concen: 9.613 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:117 Resp: 53085

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.8	113.8
201	94.9	76.6	114.8



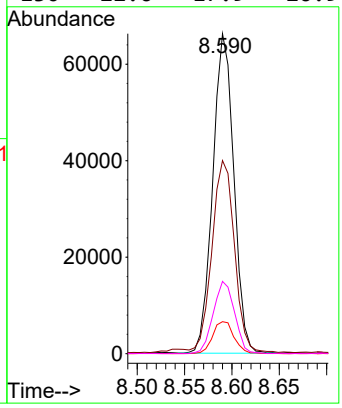


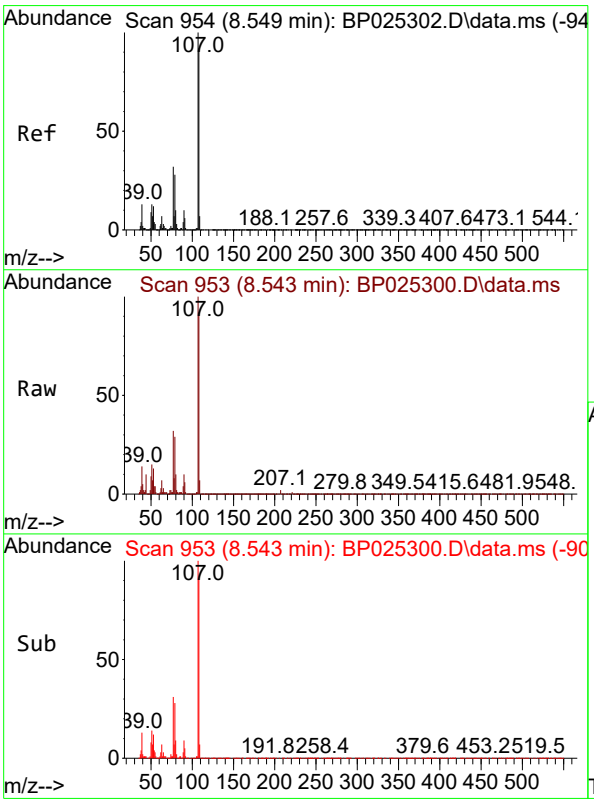
#19
n-Nitroso-di-n-propylamine
Concen: 9.544 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 102413

Ion	Ratio	Lower	Upper
70	100		
42	60.4	49.4	74.0
101	10.0	7.9	11.9
130	22.6	17.9	26.9

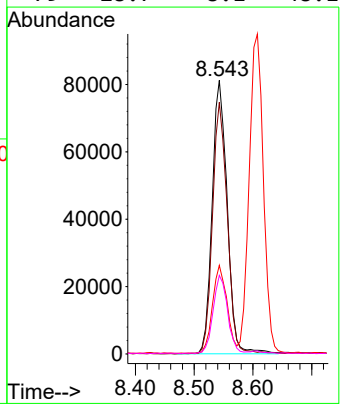


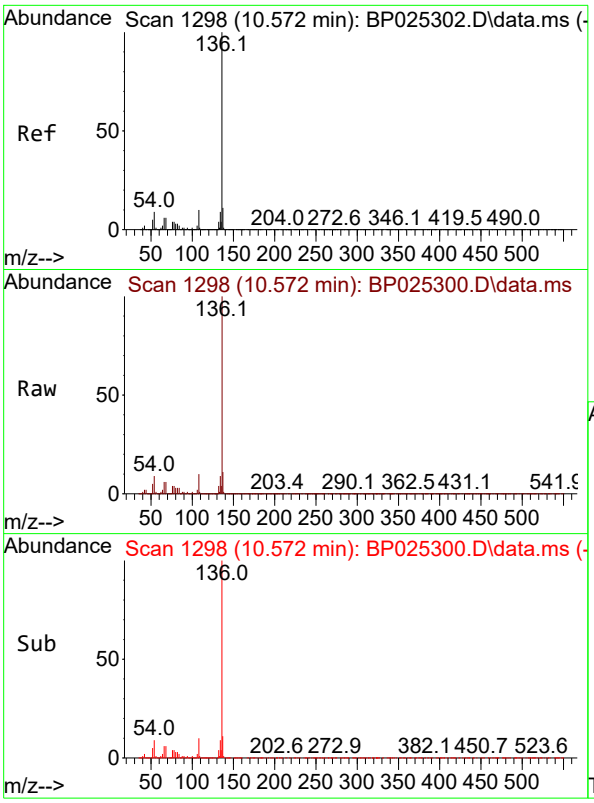


#20
3+4-Methylphenols
Concen: 8.970 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:107 Resp: 144425

Ion	Ratio	Lower	Upper
107	100		
108	92.0	71.9	111.9
77	32.4	12.0	52.0
79	28.7	8.1	48.1



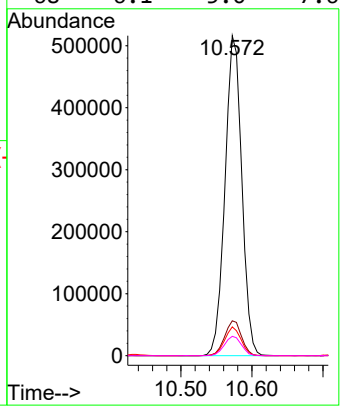


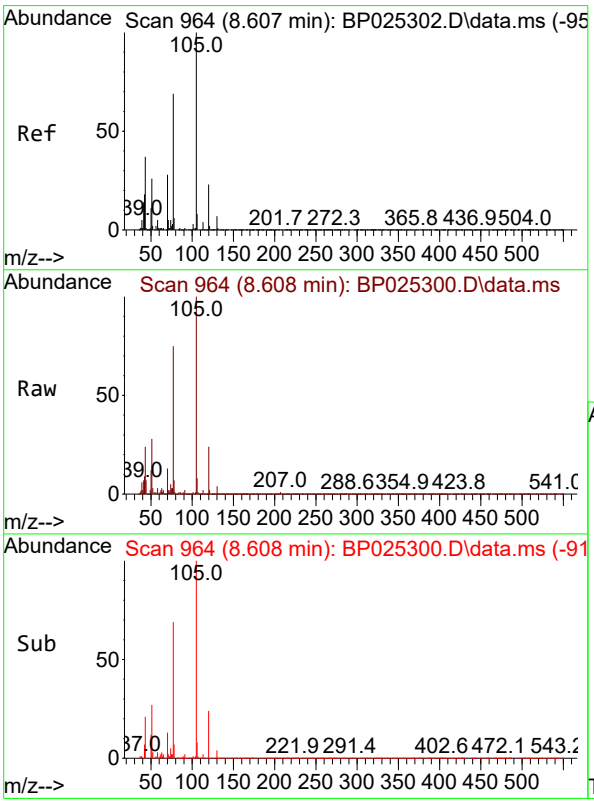
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 845252

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	7.0	10.6
68	6.1	5.0	7.6

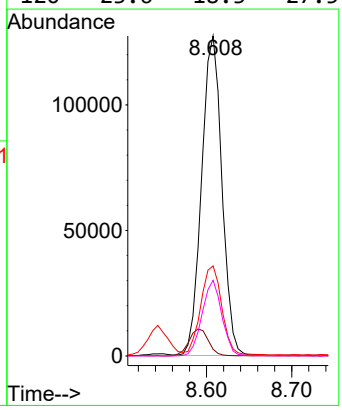


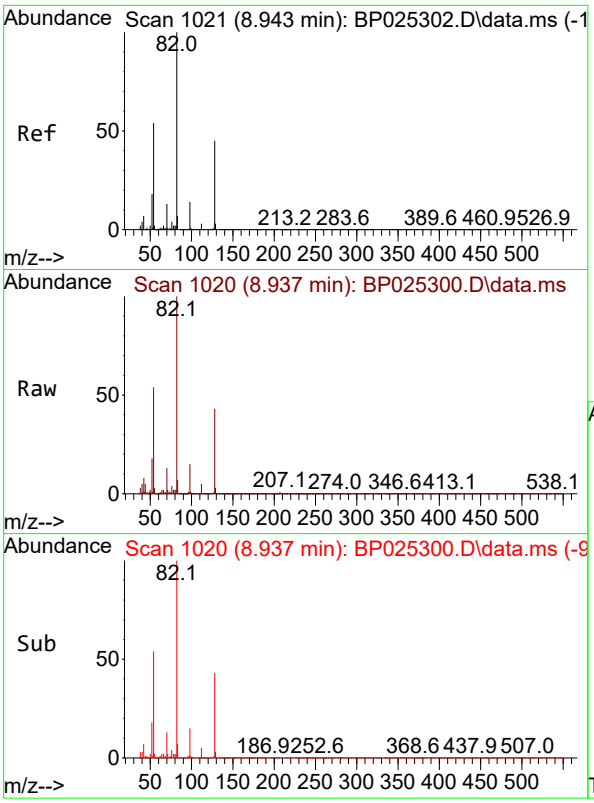


#22
Acetophenone
Concen: 9.914 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:105 Resp: 210356

Ion	Ratio	Lower	Upper
105	100		
71	2.1	4.1	6.1#
51	28.1	22.7	34.1
120	23.6	18.3	27.5



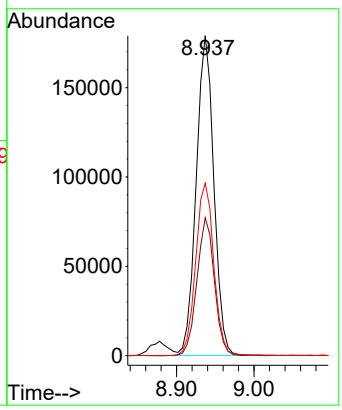


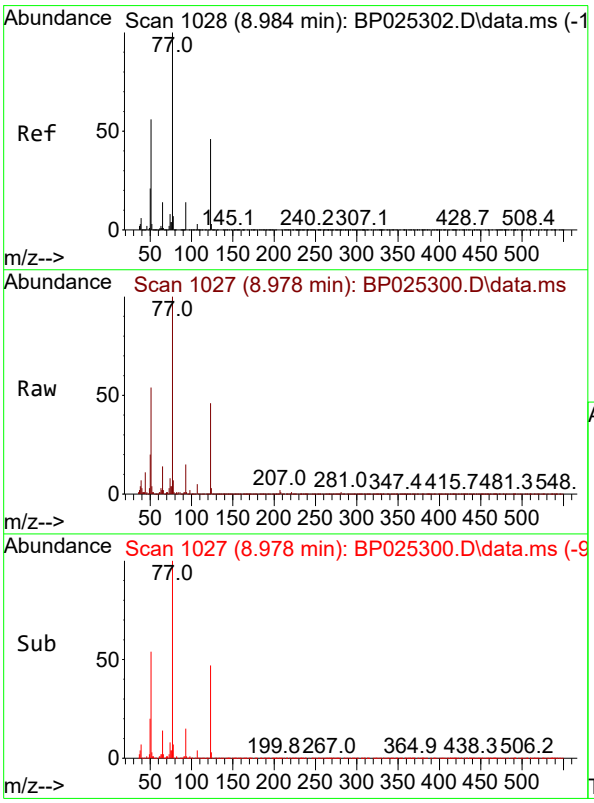
#23
Nitrobenzene-d5
Concen: 18.091 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 282618

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.4	53.2
54	53.9	42.9	64.3

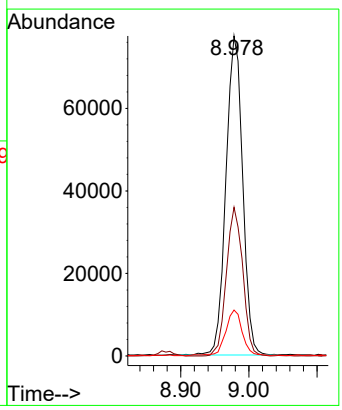


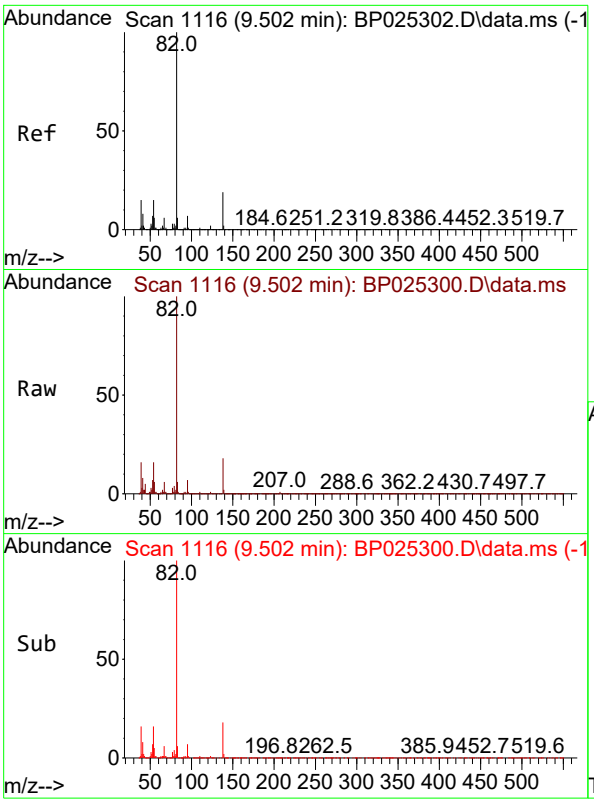


#24
Nitrobenzene
Concen: 9.140 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 77 Resp: 132011

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.4	56.2
65	14.3	11.1	16.7



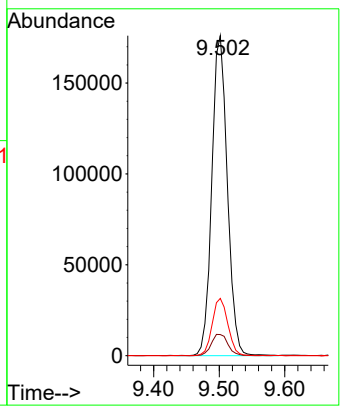


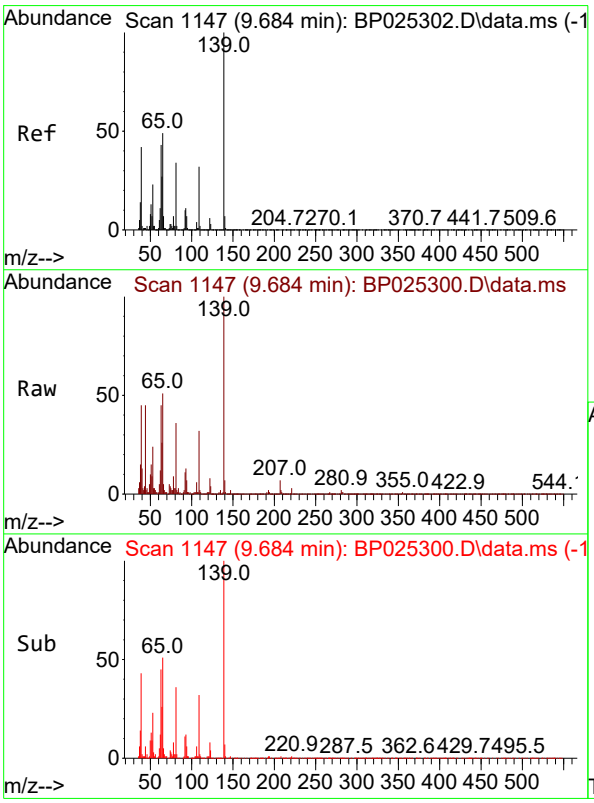
#25
Isophorone
Concen: 9.492 ng
RT: 9.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 288268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	17.9	15.0	22.6

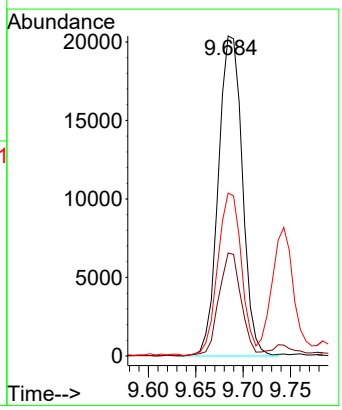


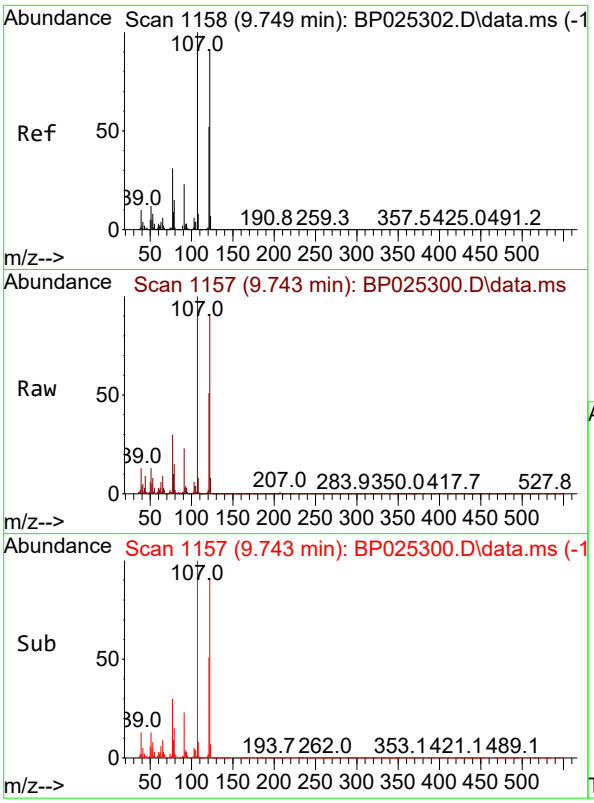


#26
2-Nitrophenol
Concen: 8.913 ng
RT: 9.684 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:139 Resp: 35903

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.2	37.8
65	50.9	39.6	59.4



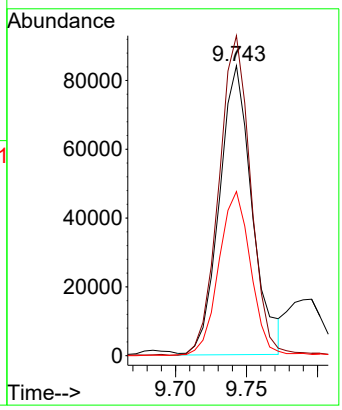


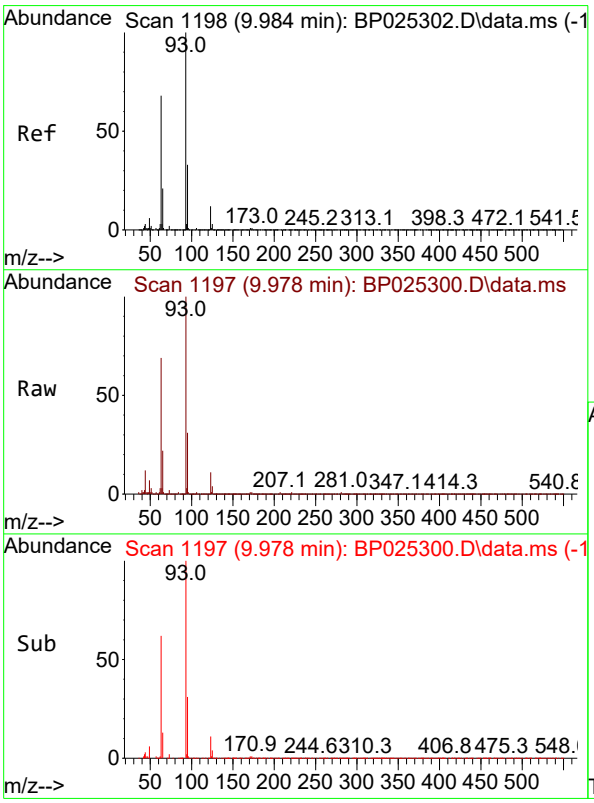
#27
2,4-Dimethylphenol
Concen: 9.642 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 135004

Ion	Ratio	Lower	Upper
122	100		
107	110.4	87.4	131.0
121	56.6	45.8	68.8

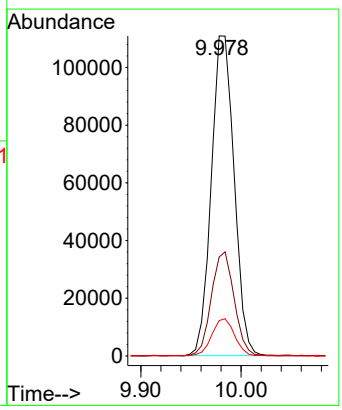


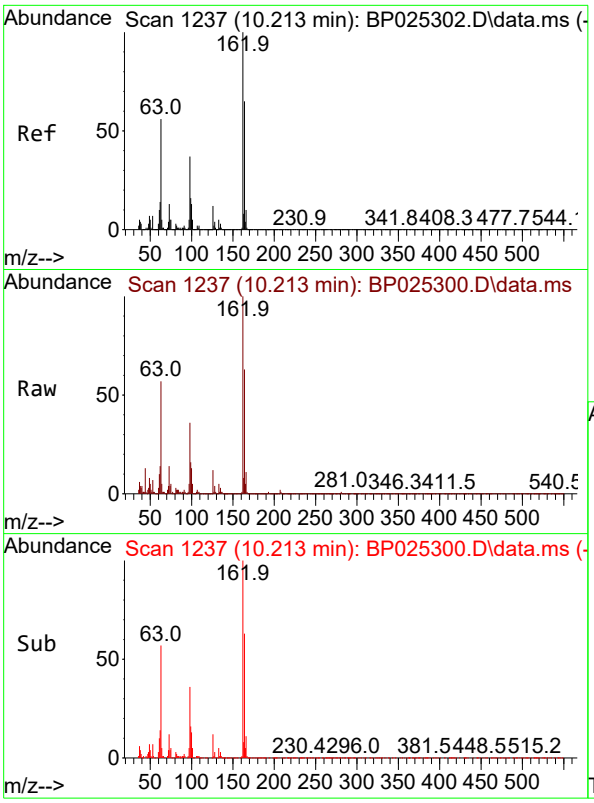


#28
bis(2-Chloroethoxy)methane
Concen: 9.483 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 93 Resp: 175188

Ion	Ratio	Lower	Upper
93	100		
95	30.9	26.5	39.7
123	11.1	9.4	14.2



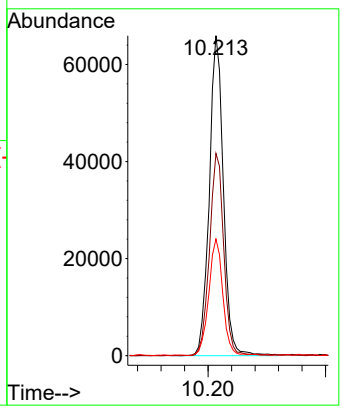


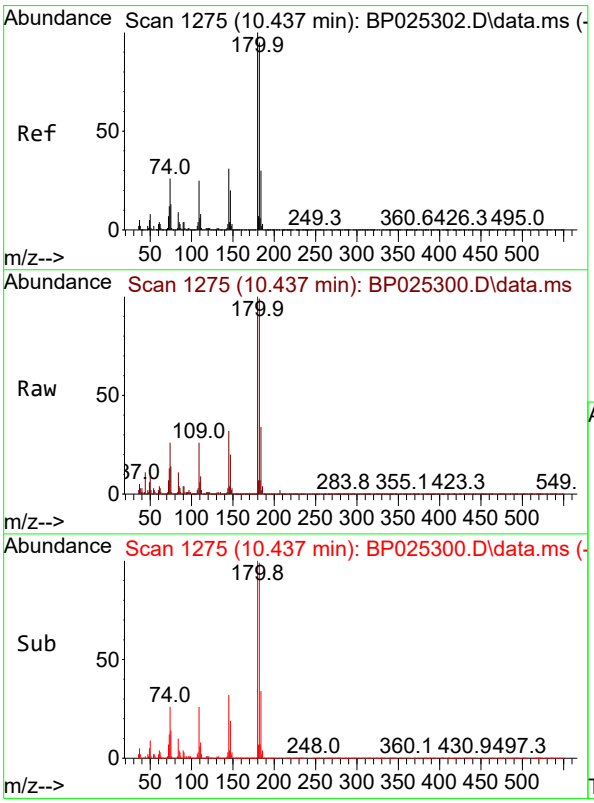
#29
2,4-Dichlorophenol
Concen: 8.937 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 109548

Ion	Ratio	Lower	Upper
162	100		
164	63.2	45.2	85.2
98	36.5	17.5	57.5

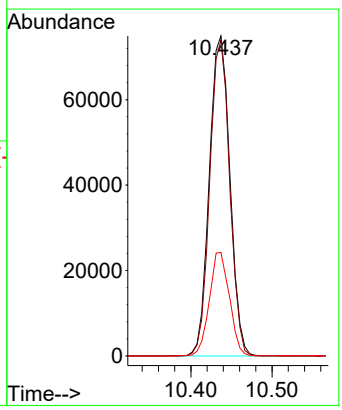


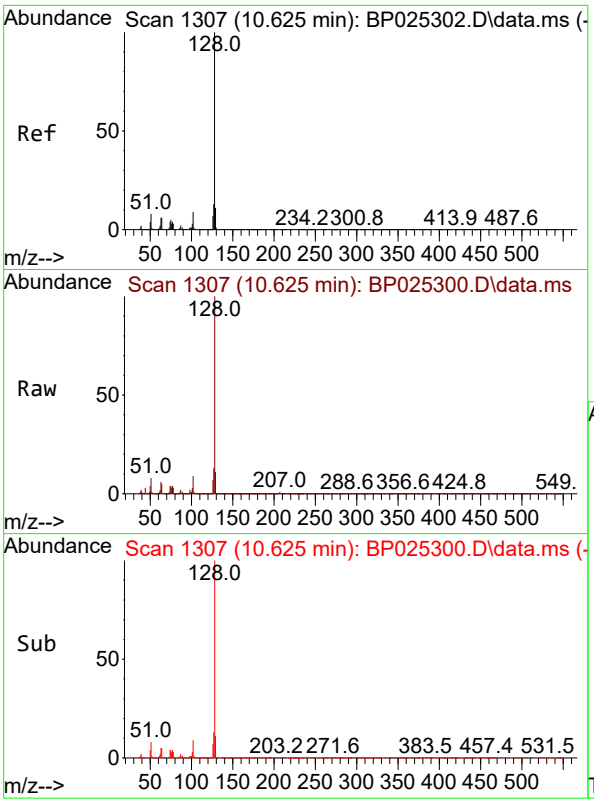


#30
1,2,4-Trichlorobenzene
Concen: 9.765 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:180 Resp: 132056

Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.8	113.8
145	32.4	25.0	37.4



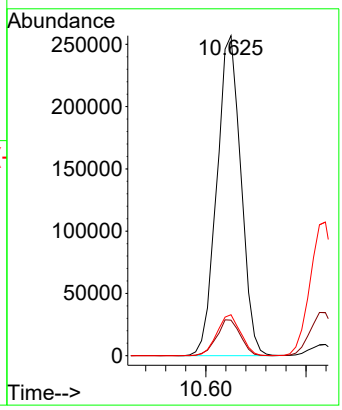


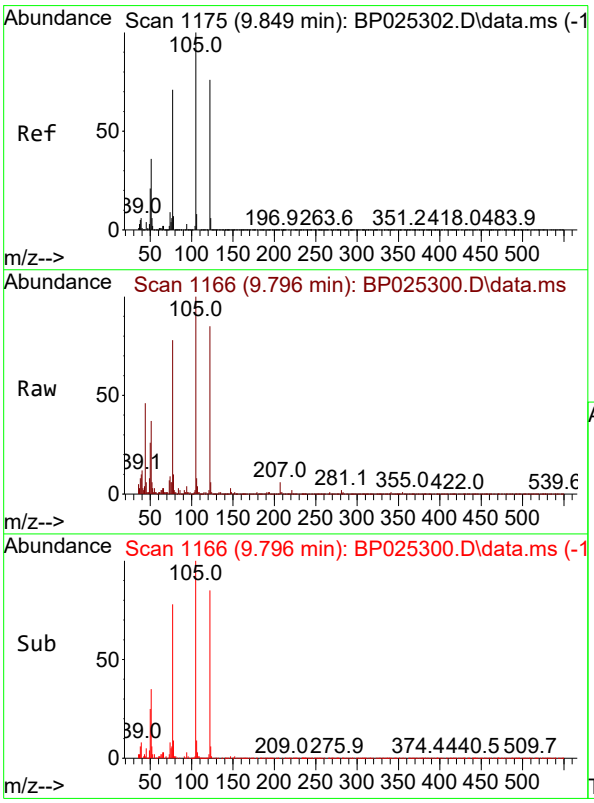
#31
Naphthalene
Concen: 9.763 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 428389

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.8	10.4	15.6

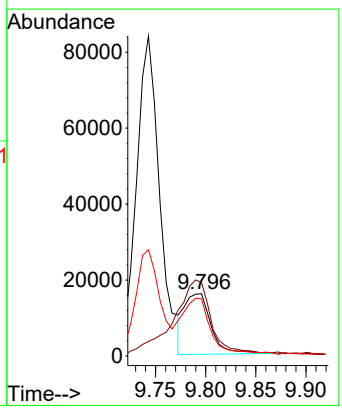


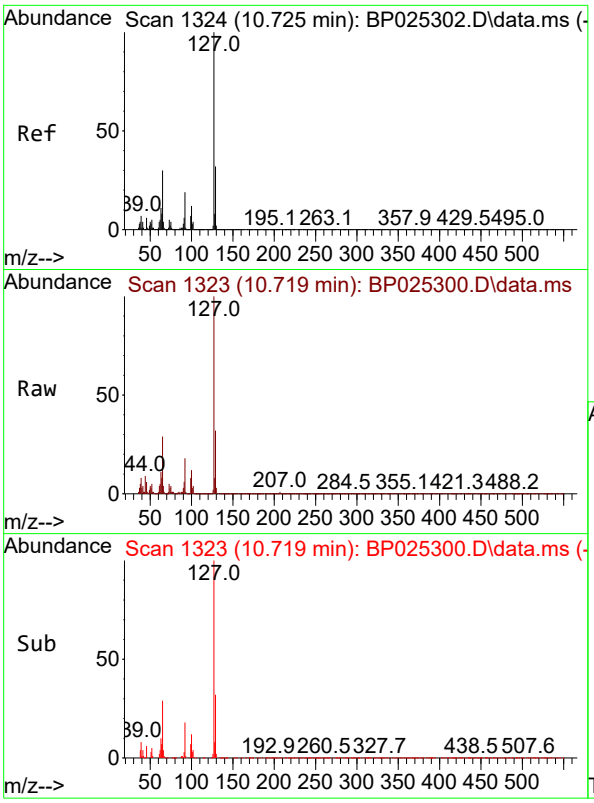


#32
Benzoic acid
Concen: 10.101 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.053 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:122 Resp: 29602

Ion	Ratio	Lower	Upper
122	100		
105	117.9	104.0	144.0
77	92.0	71.8	111.8



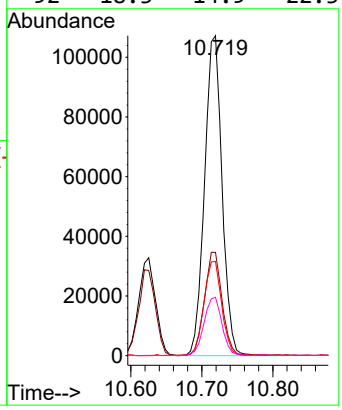


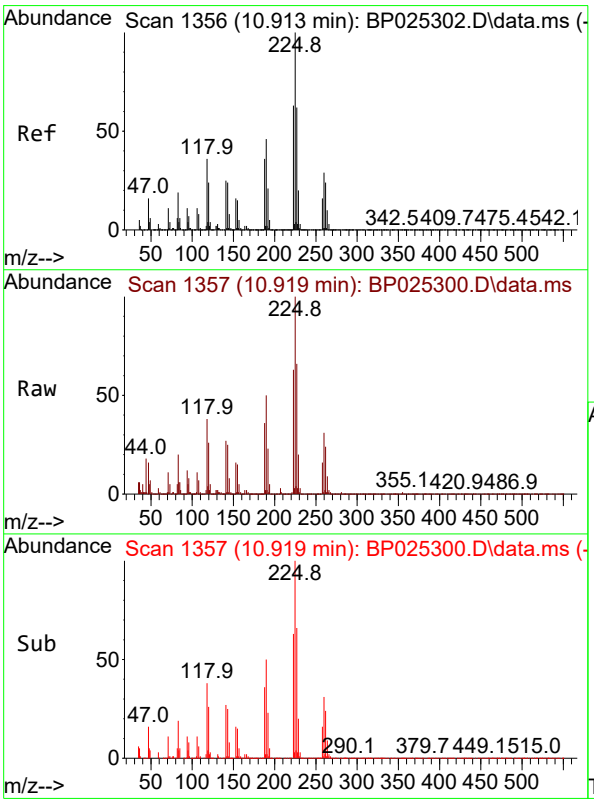
#33
4-Chloroaniline
Concen: 9.419 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 183806

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.4	23.6	35.4
92	18.3	14.9	22.3

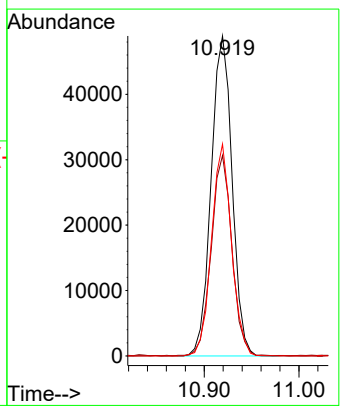


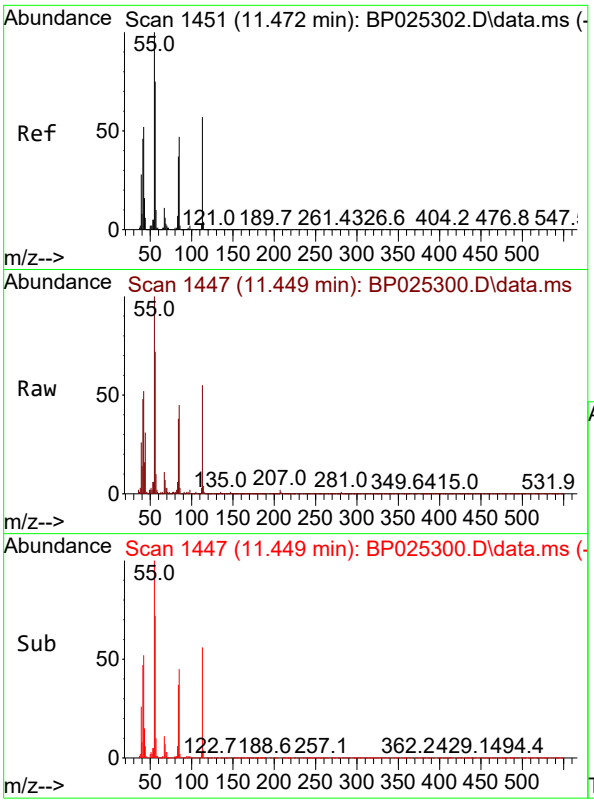


#34
Hexachlorobutadiene
Concen: 9.671 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:225 Resp: 75081

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	66.2	49.7	74.5



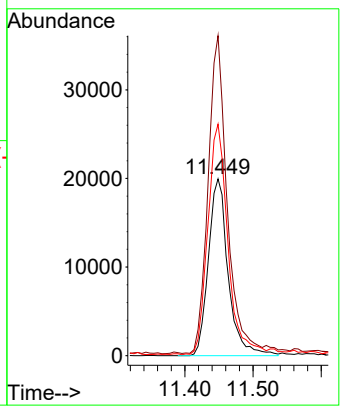


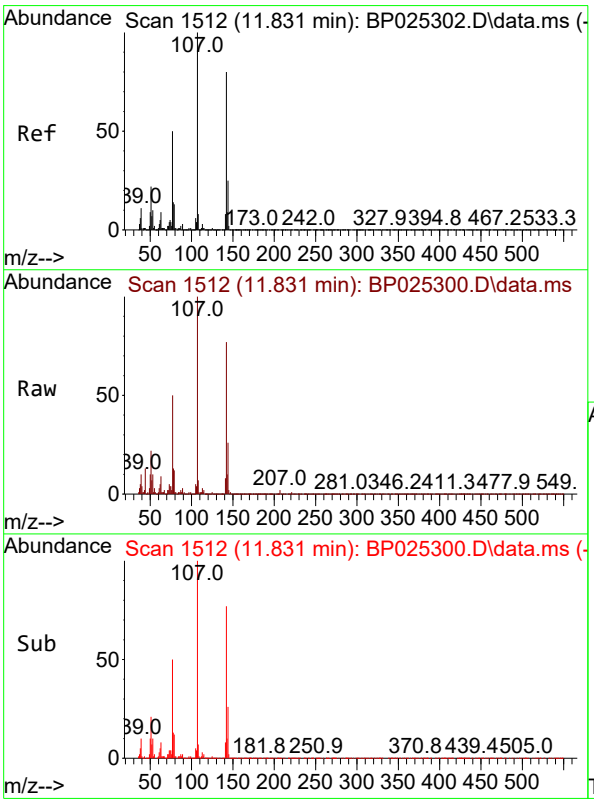
#35
Caprolactam
Concen: 8.461 ng
RT: 11.449 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 40323

Ion	Ratio	Lower	Upper
113	100		
55	180.9	154.4	194.4
56	130.9	110.9	150.9

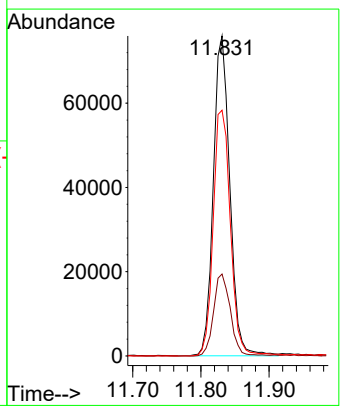


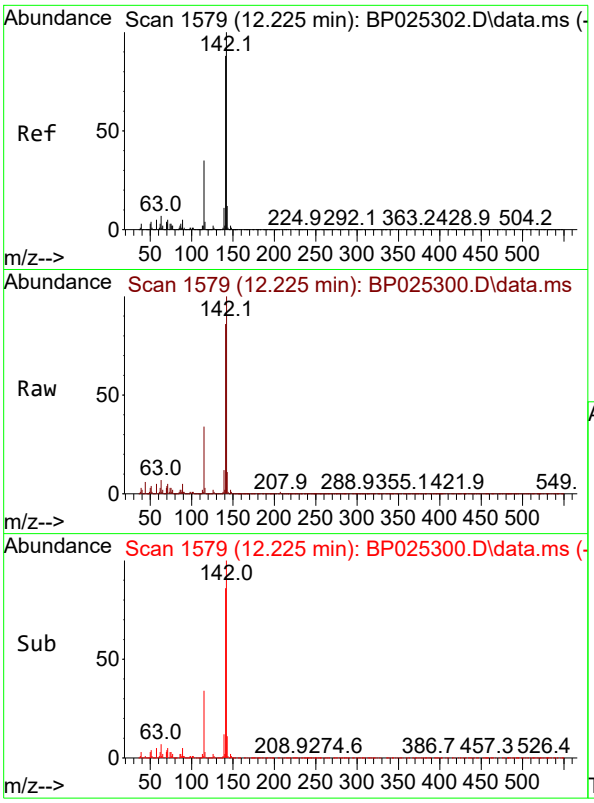


#36
4-Chloro-3-methylphenol
Concen: 9.020 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:107 Resp: 127937

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.4	30.6
142	76.8	63.7	95.5



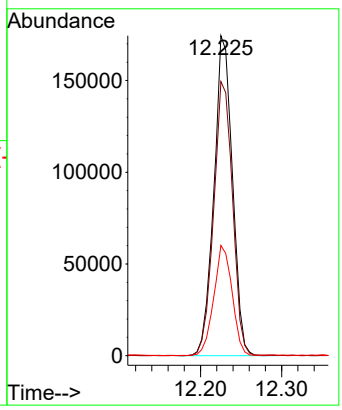


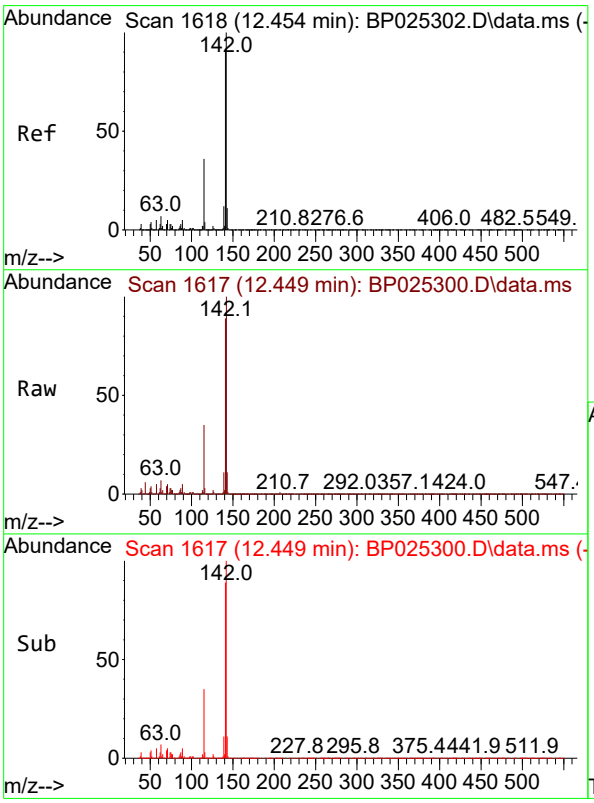
#37
2-Methylnaphthalene
Concen: 9.724 ng
RT: 12.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 276185

Ion	Ratio	Lower	Upper
142	100		
141	85.7	70.4	105.6
115	34.5	28.0	42.0

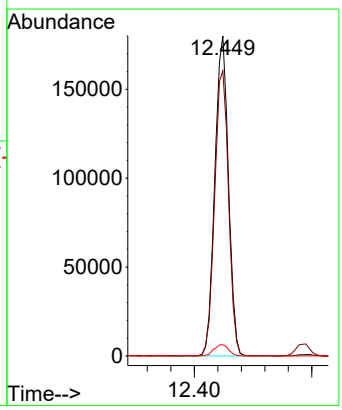


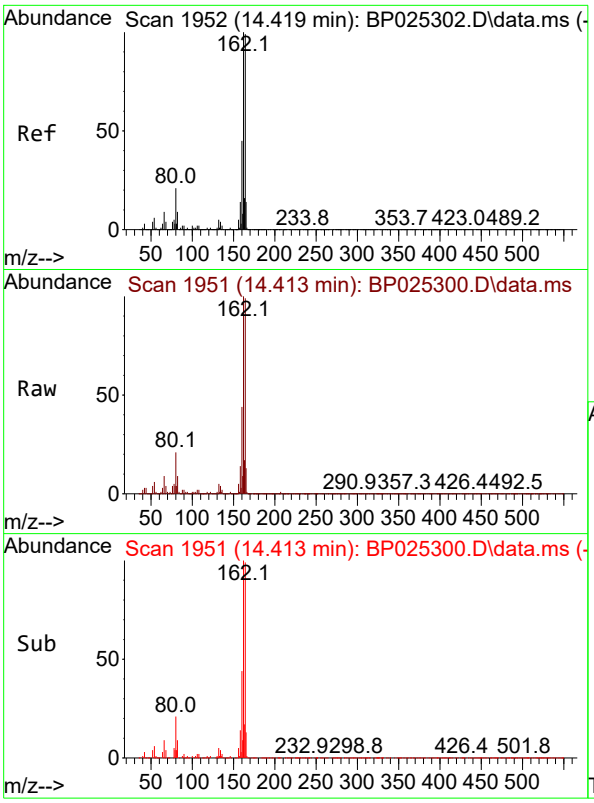


#38
1-Methylnaphthalene
Concen: 9.746 ng
RT: 12.449 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:142 Resp: 288814

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.0	109.6
116	3.5	3.0	4.6



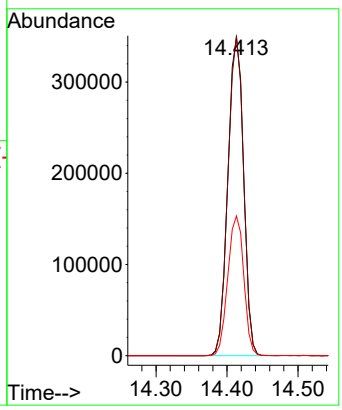


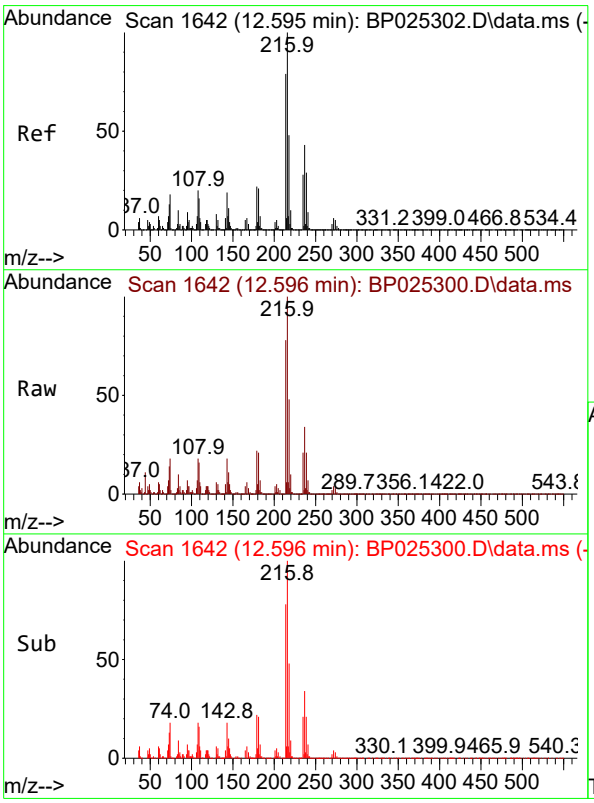
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 537224

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	43.9	35.9	53.9

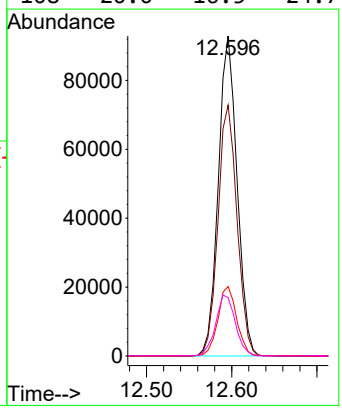


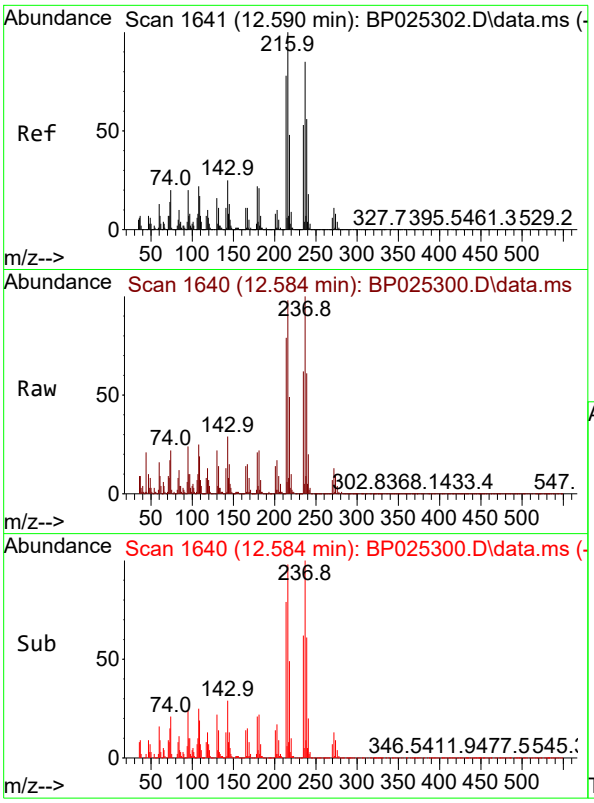


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.698 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:216 Resp: 142243

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.4	93.6
179	21.8	17.5	26.3
108	20.0	16.5	24.7



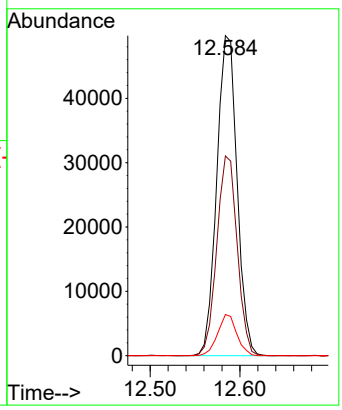


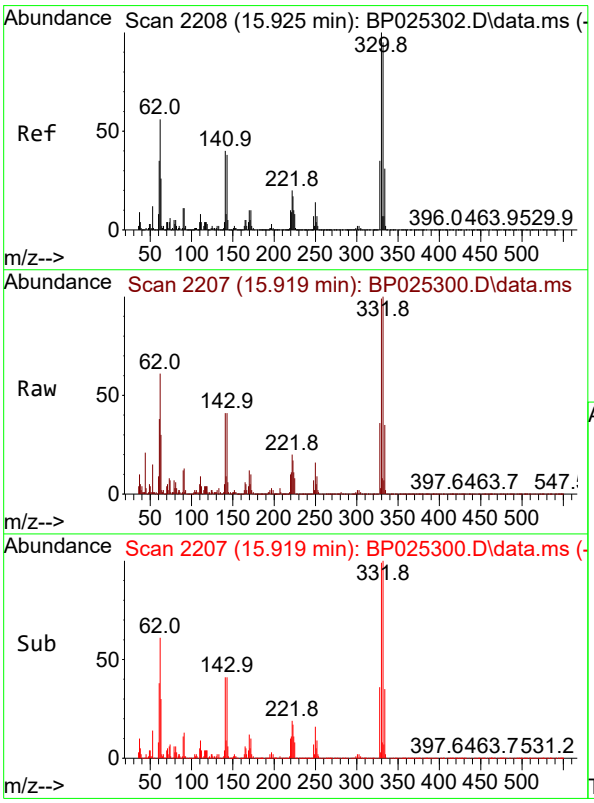
#41
Hexachlorocyclopentadiene
Concen: 8.636 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 78172

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.2	82.2
272	12.8	0.0	32.8

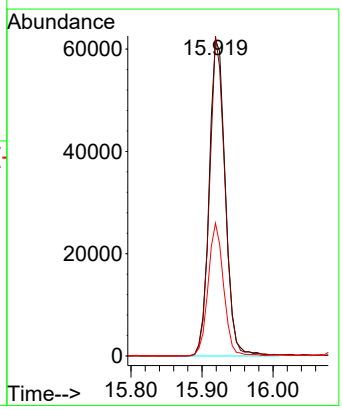


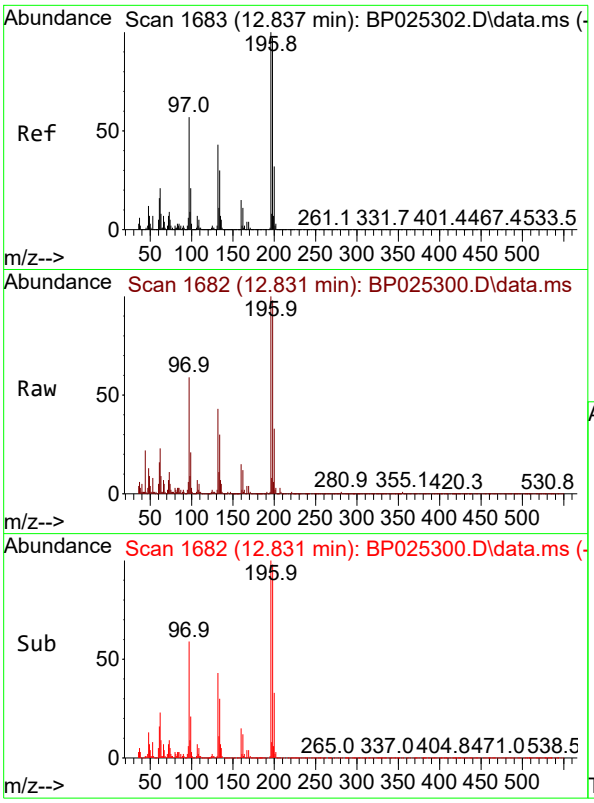


#42
2,4,6-Tribromophenol
Concen: 17.623 ng
RT: 15.919 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:330 Resp: 97752

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	40.1	31.7	47.5



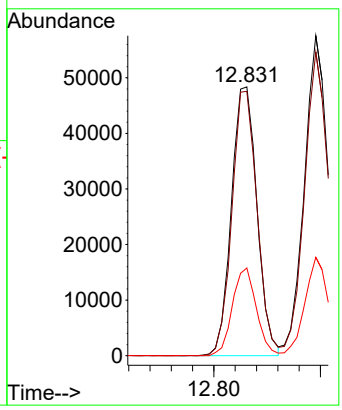


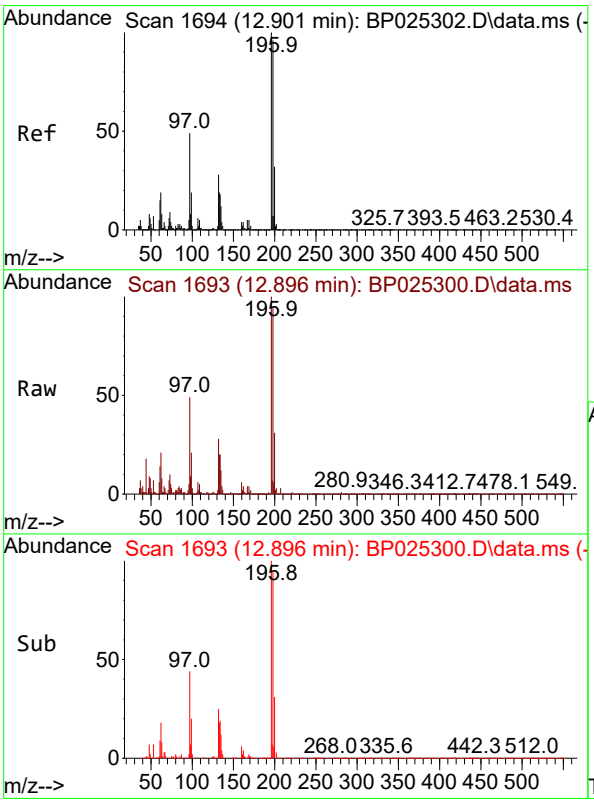
#43
2,4,6-Trichlorophenol
Concen: 8.532 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 80839

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.3	115.9
200	32.6	25.4	38.2

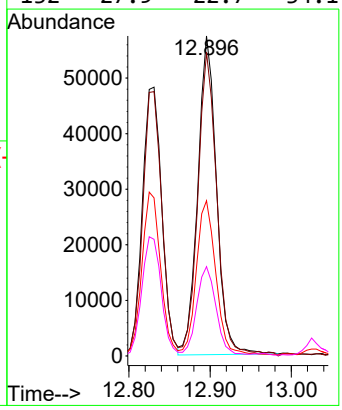


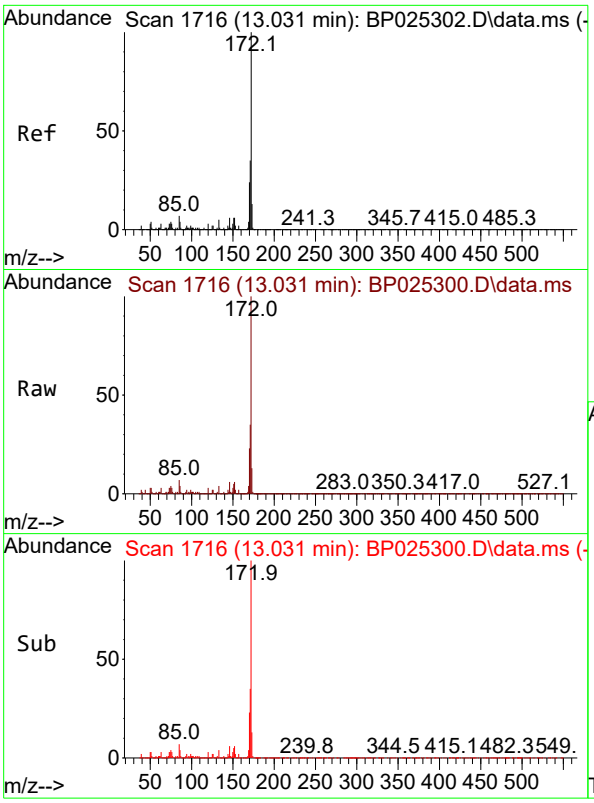


#44
2,4,5-Trichlorophenol
Concen: 8.648 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:196 Resp: 91922

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.6	114.8
97	48.5	39.5	59.3
132	27.9	22.7	34.1



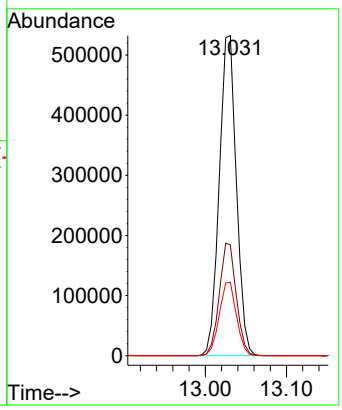


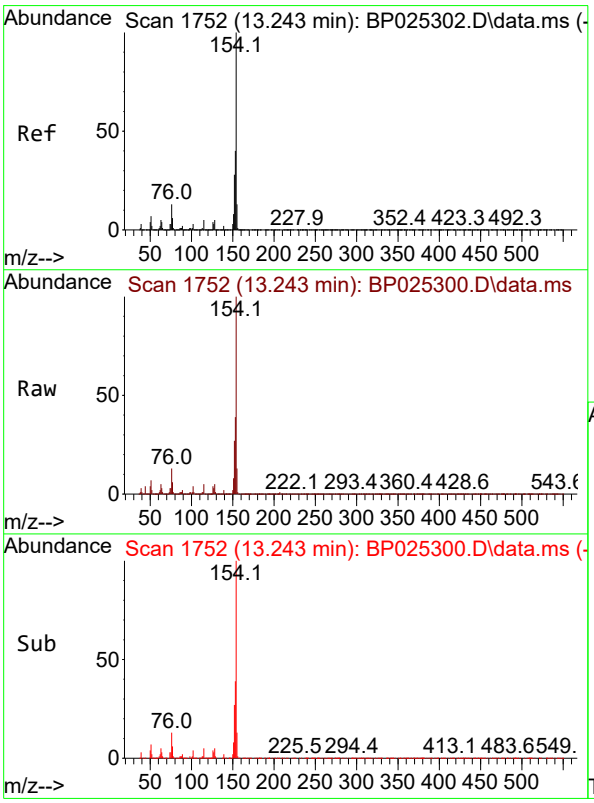
#45
2-Fluorobiphenyl
Concen: 20.174 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 780489

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	22.9	18.9	28.3

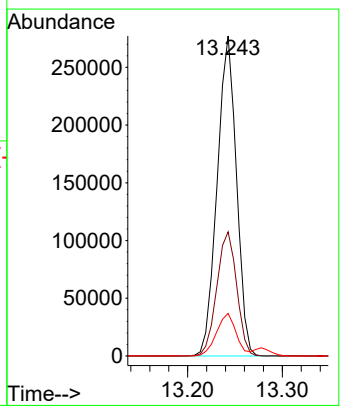


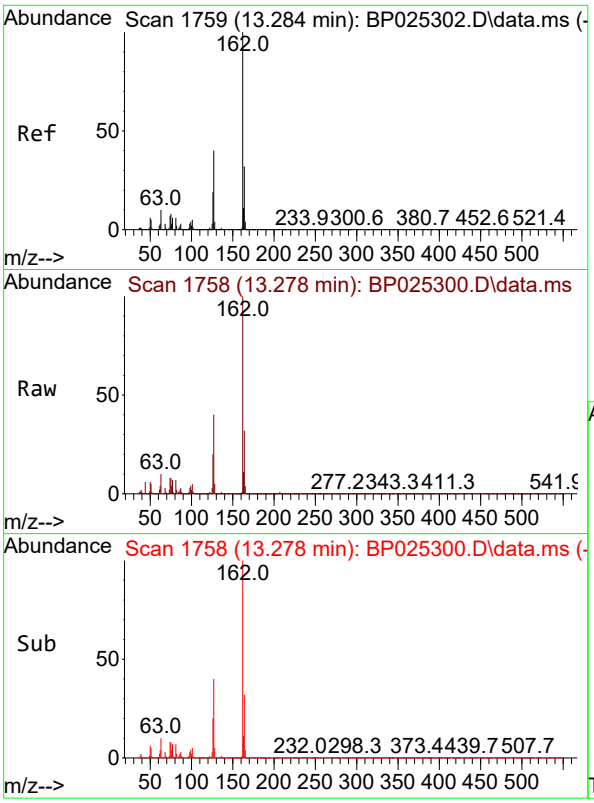


#46
1,1'-Biphenyl
Concen: 9.911 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:154 Resp: 392401

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.9	59.9
76	13.3	0.0	33.2



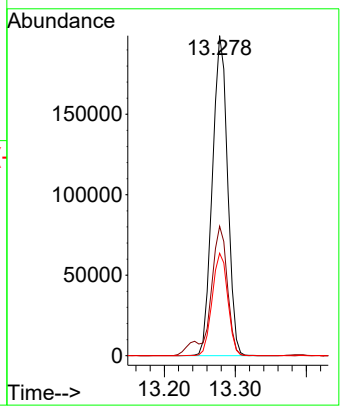


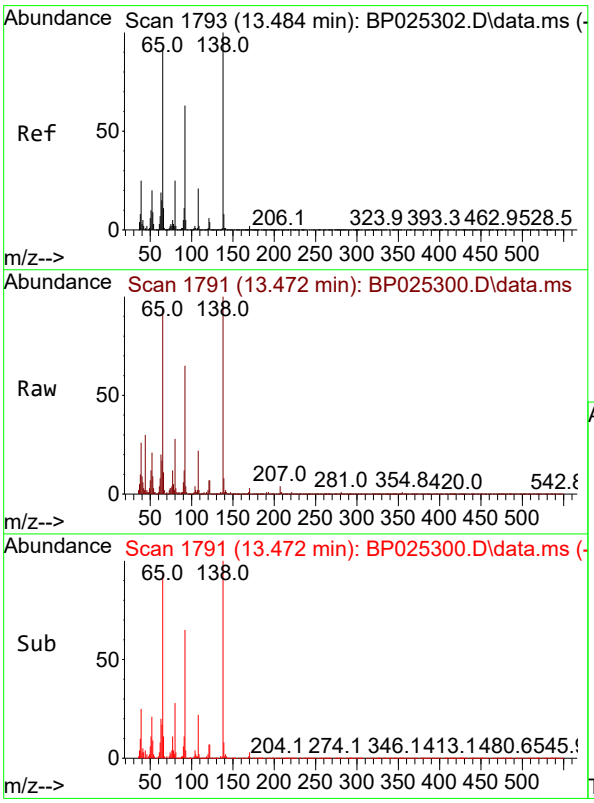
#47
2-Chloronaphthalene
Concen: 9.768 ng
RT: 13.278 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 295035

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.2	48.2
164	32.0	25.9	38.9

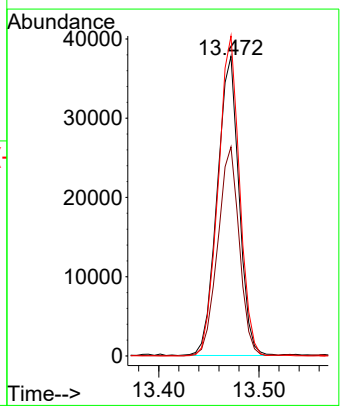


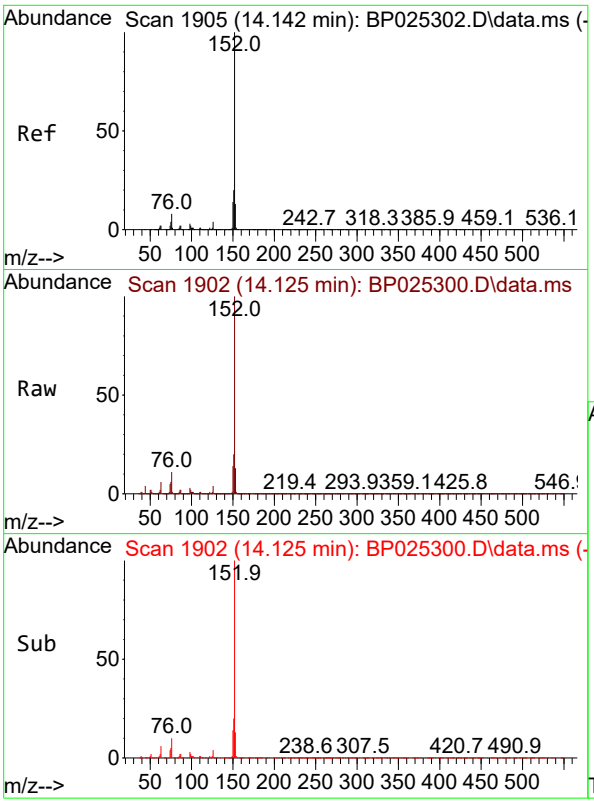


#48
2-Nitroaniline
Concen: 9.002 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 65 Resp: 56938

Ion	Ratio	Lower	Upper
65	100		
92	69.8	54.4	81.6
138	106.8	87.0	130.4



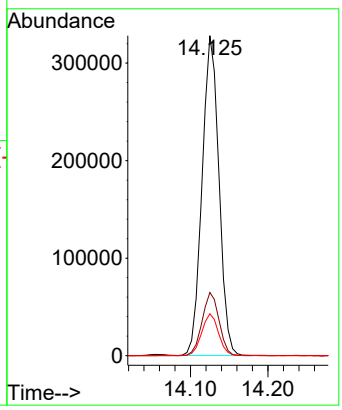


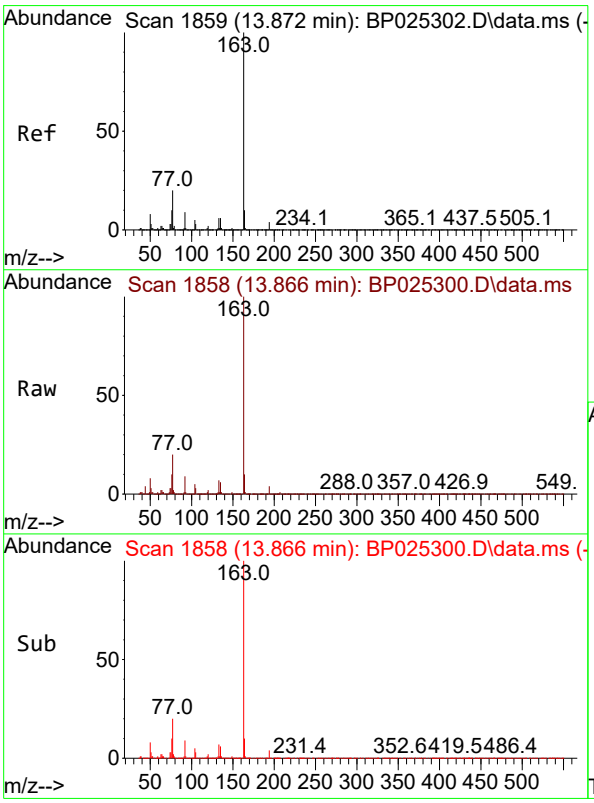
#49
Acenaphthylene
Concen: 9.817 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 494624

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.1	10.4	15.6

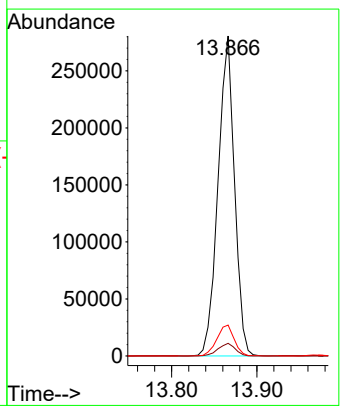


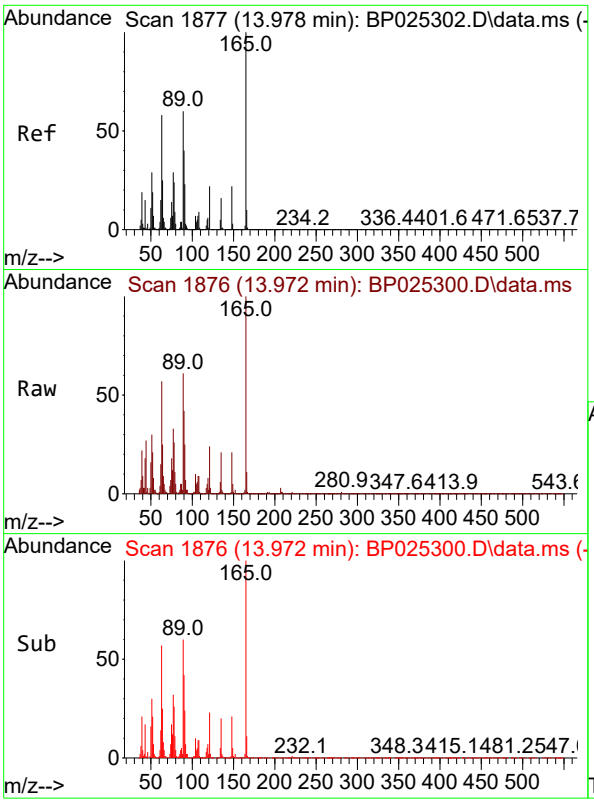


#50
Dimethylphthalate
Concen: 9.624 ng
RT: 13.866 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:163 Resp: 376892

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.0	12.0



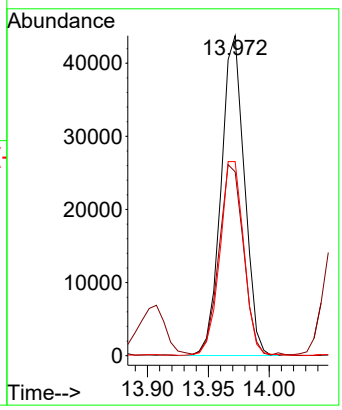


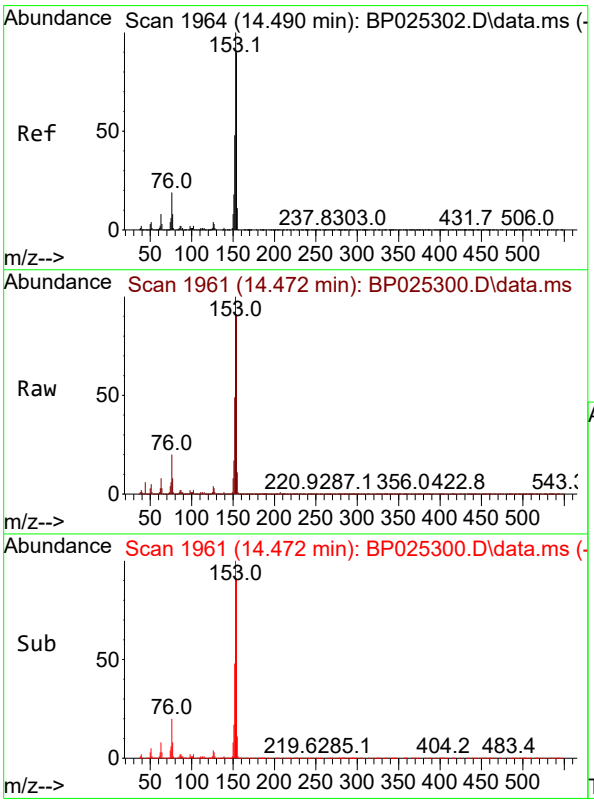
#51
2,6-Dinitrotoluene
Concen: 8.085 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 58404

Ion	Ratio	Lower	Upper
165	100		
63	57.4	47.6	71.4
89	60.6	47.8	71.8

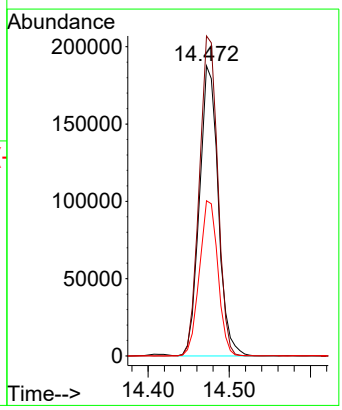


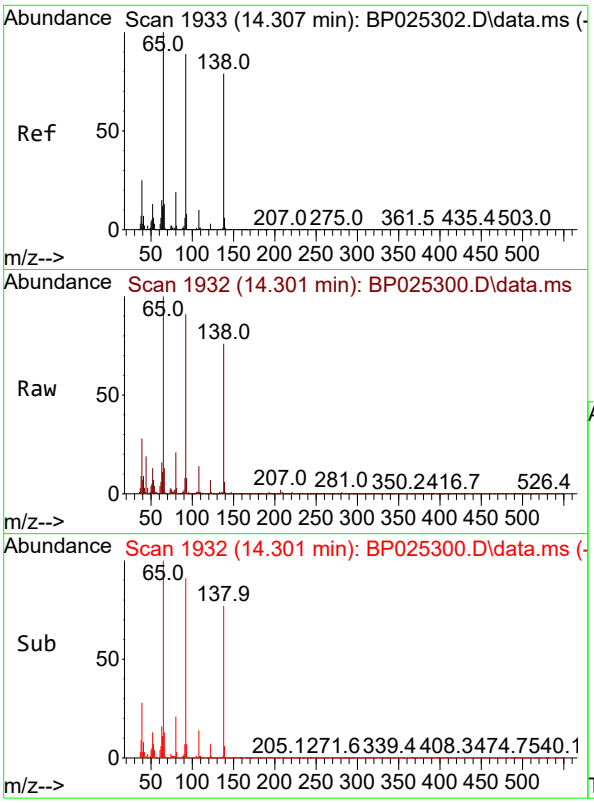


#52
Acenaphthene
Concen: 9.790 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:154 Resp: 300858

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.4	134.0
152	53.5	43.0	64.6



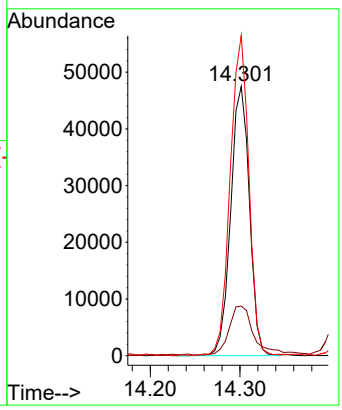


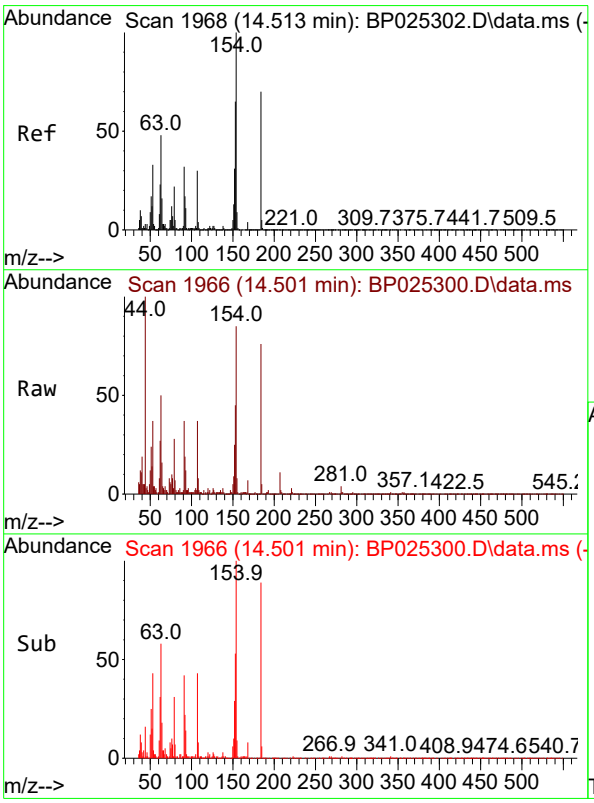
#53
3-Nitroaniline
Concen: 8.123 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 68662

Ion	Ratio	Lower	Upper
138	100		
108	18.4	10.5	15.7#
92	118.8	90.9	136.3

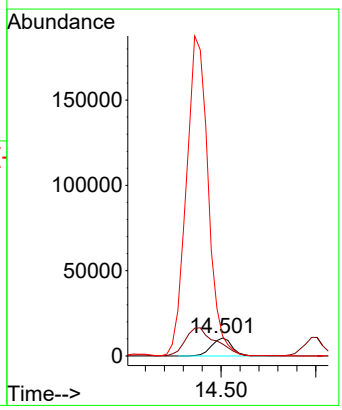


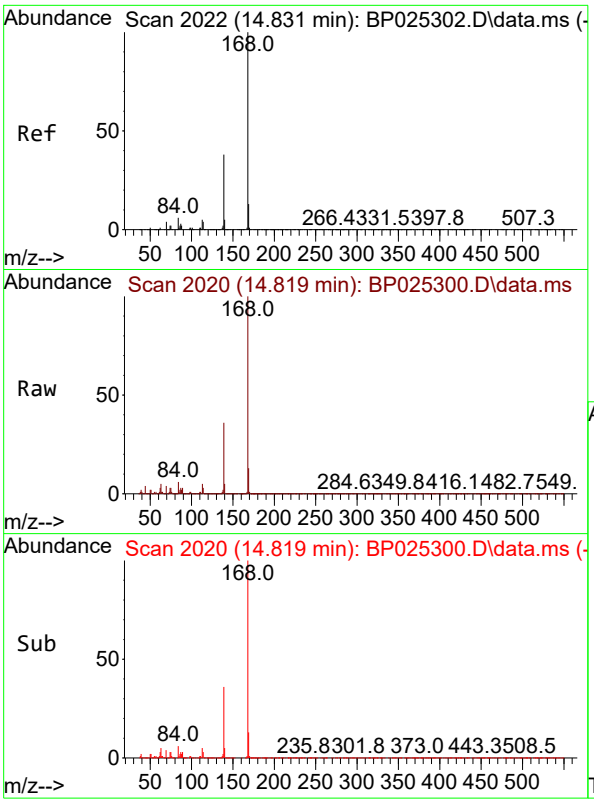


#54
2,4-Dinitrophenol
Concen: 9.839 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:184 Resp: 15825

Ion	Ratio	Lower	Upper
184	100		
63	66.6	56.3	84.5
154	112.6	124.5	186.7#



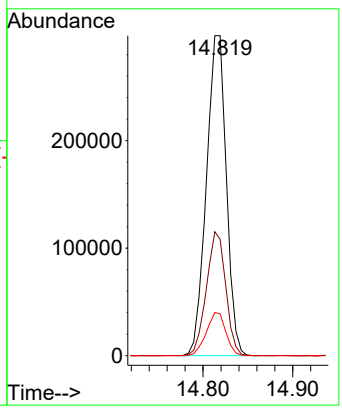


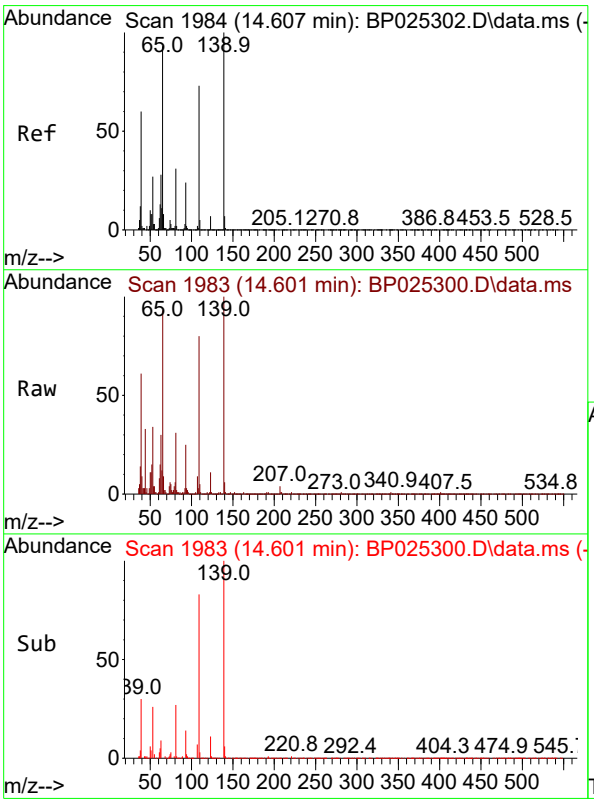
#55
Dibenzofuran
Concen: 10.010 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 459701

Ion	Ratio	Lower	Upper
168	100		
139	36.3	30.5	45.7
169	13.1	10.6	15.8

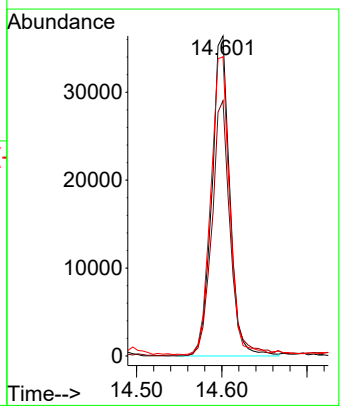


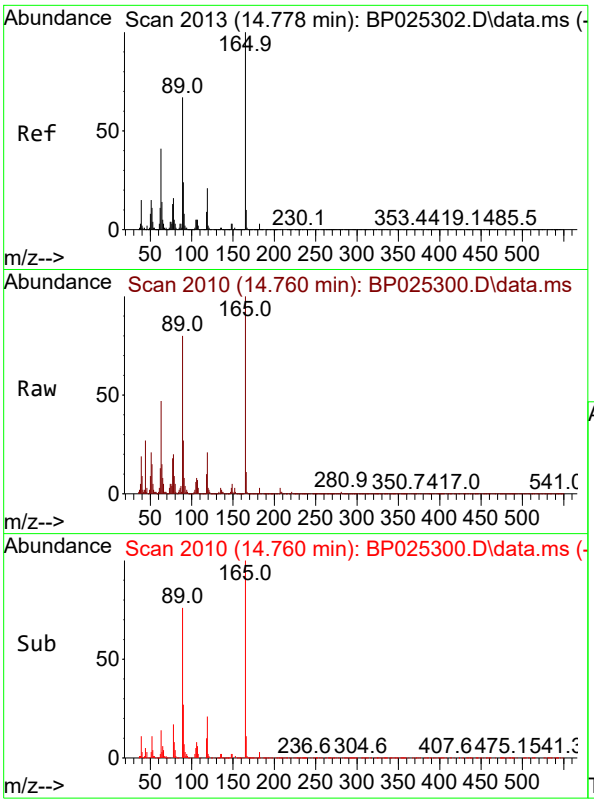


#56
4-Nitrophenol
Concen: 7.162 ng
RT: 14.601 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:139 Resp: 53432

Ion	Ratio	Lower	Upper
139	100		
109	79.8	52.7	92.7
65	93.5	73.4	113.4



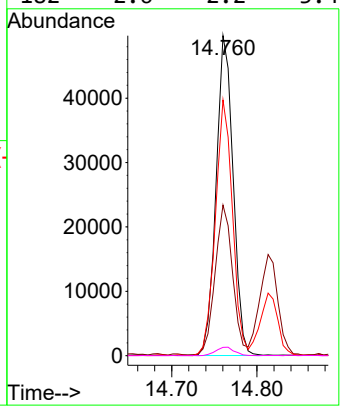


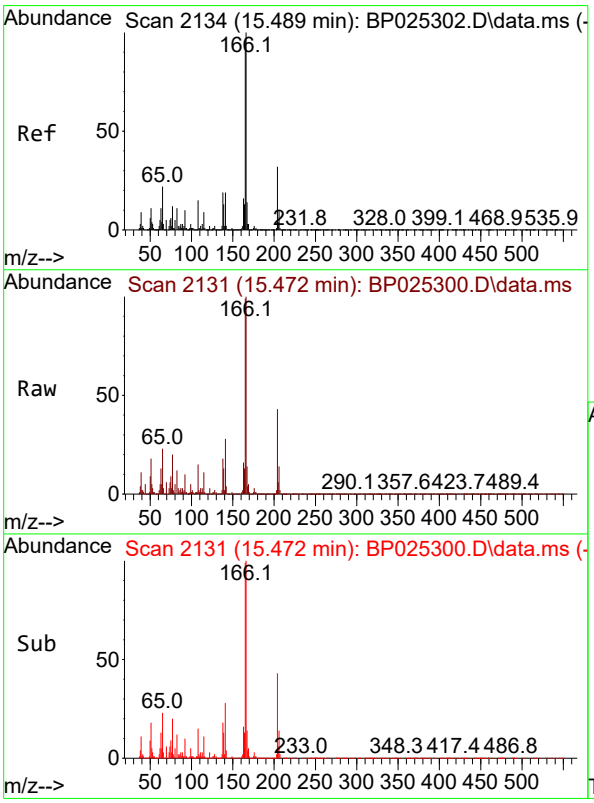
#57
2,4-Dinitrotoluene
Concen: 9.001 ng
RT: 14.760 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 69027

Ion	Ratio	Lower	Upper
165	100		
63	47.0	33.2	49.8
89	79.9	53.5	80.3
182	2.6	2.2	3.4

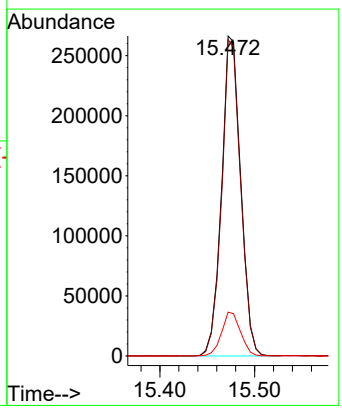


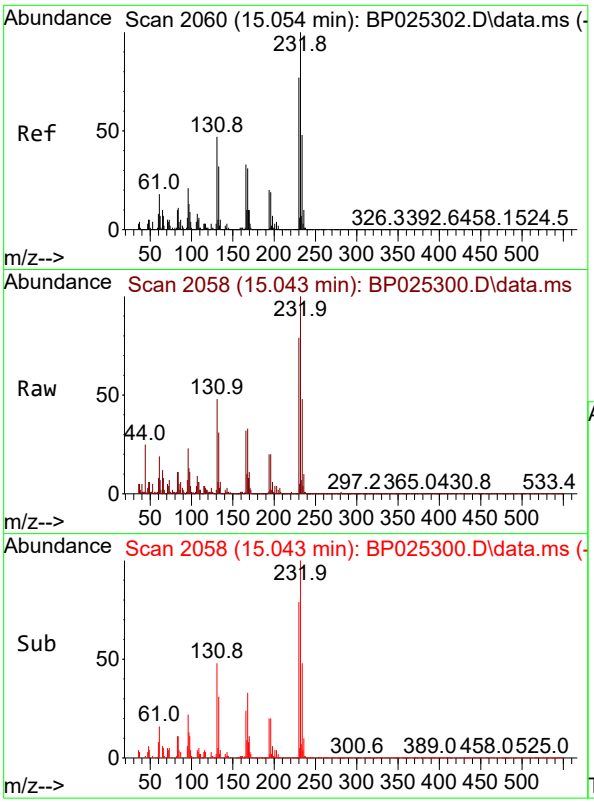


#58
Fluorene
Concen: 10.408 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:166 Resp: 375406

Ion	Ratio	Lower	Upper
166	100		
165	98.9	76.7	115.1
167	13.7	10.9	16.3



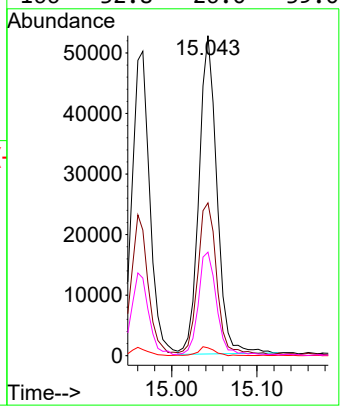


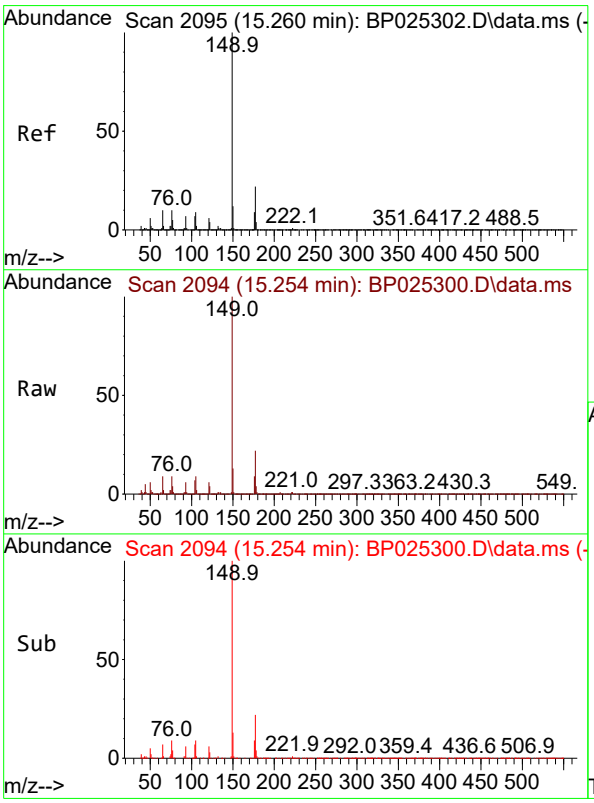
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.599 ng
RT: 15.043 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 76798

Ion	Ratio	Lower	Upper
232	100		
131	50.4	39.3	58.9
130	2.5	2.2	3.2
166	32.8	26.0	39.0

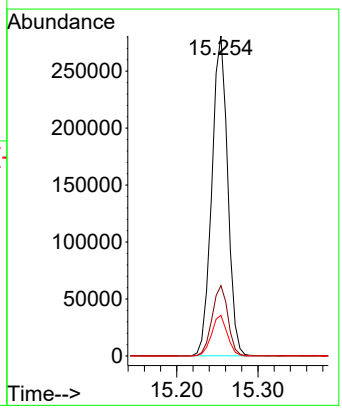


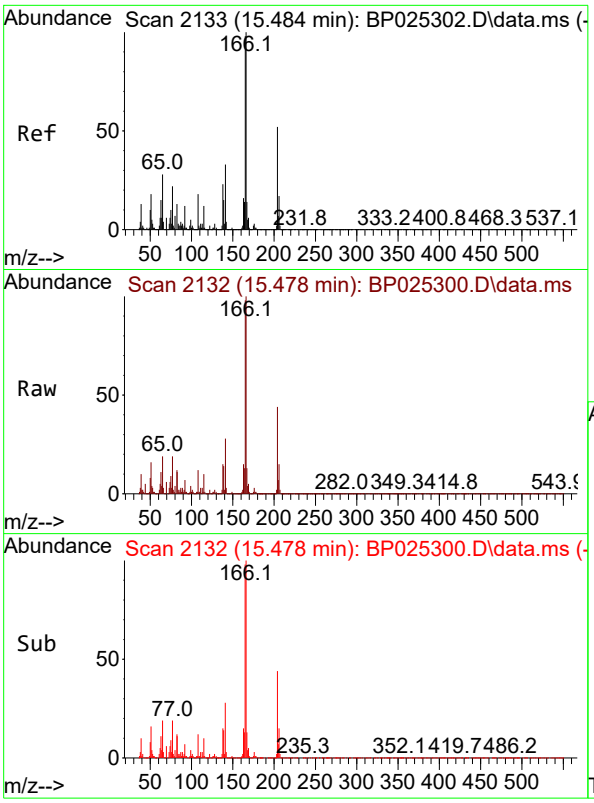


#60
Diethylphthalate
Concen: 9.631 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 380275

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.7	9.8	14.8



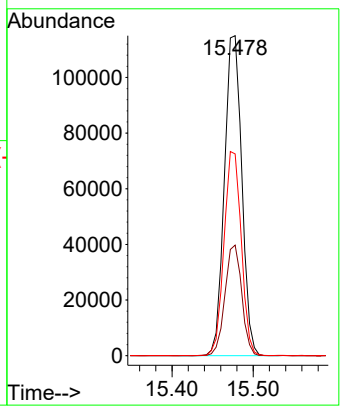


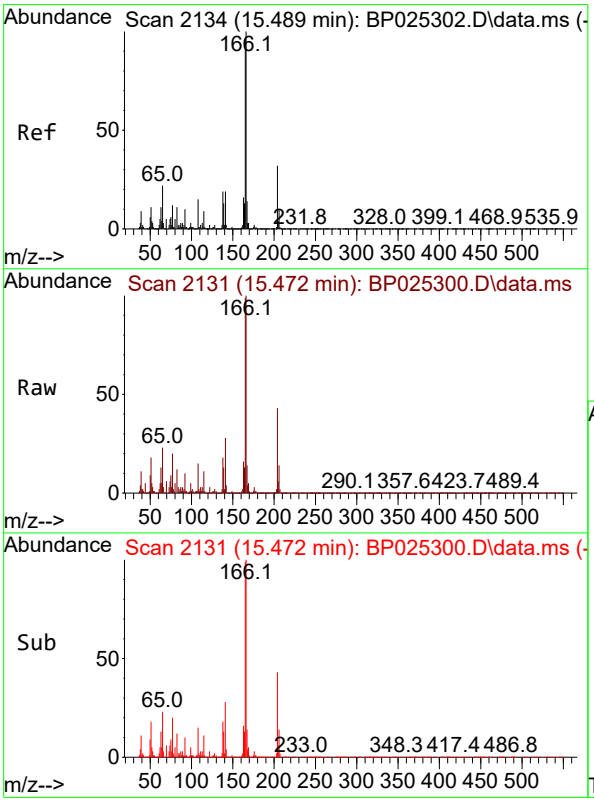
#61
4-Chlorophenyl-phenylether
Concen: 10.026 ng
RT: 15.478 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 171438

Ion	Ratio	Lower	Upper
204	100		
206	34.6	27.0	40.4
141	63.0	50.3	75.5

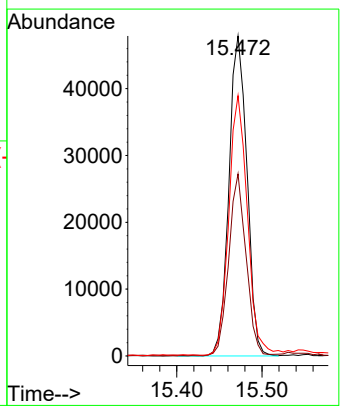


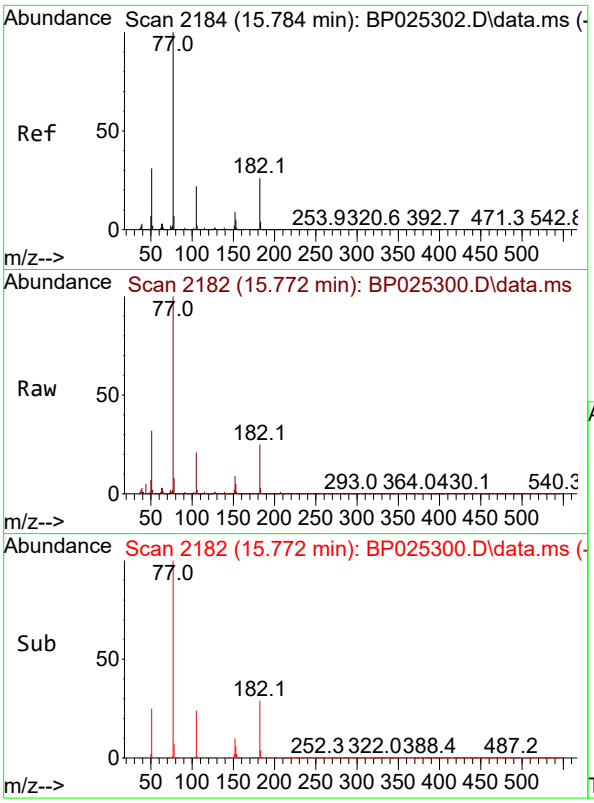


#62
4-Nitroaniline
Concen: 8.428 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:138 Resp: 70585

Ion	Ratio	Lower	Upper
138	100		
92	56.9	29.8	69.8
108	81.3	56.6	96.6



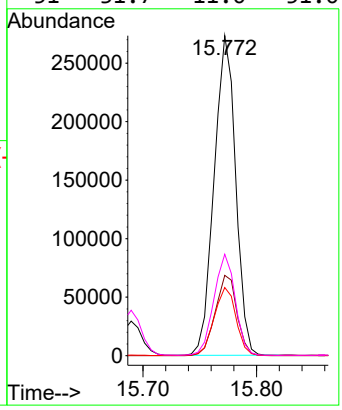


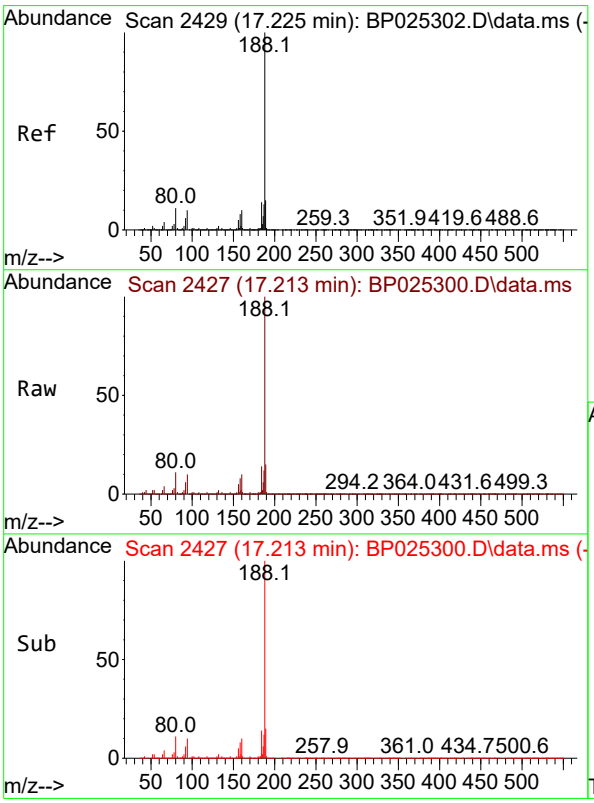
#63
Azobenzene
Concen: 9.811 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 359853

Ion	Ratio	Lower	Upper
77	100		
182	25.1	6.0	46.0
105	21.3	2.1	42.1
51	31.7	11.0	51.0

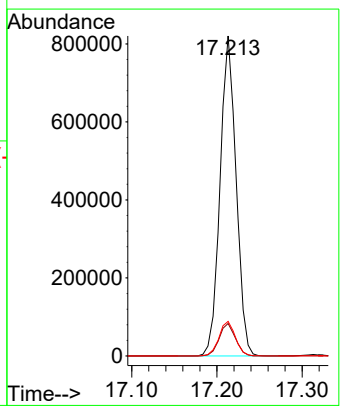


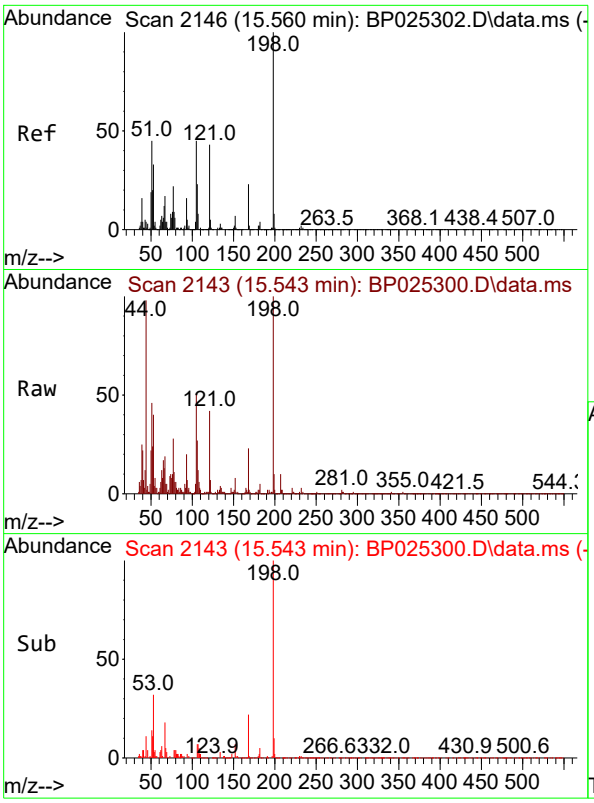


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:188 Resp: 1073622

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.8	8.5	12.7



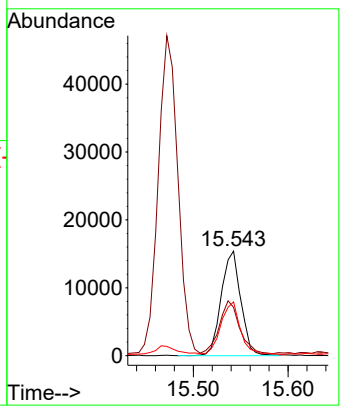


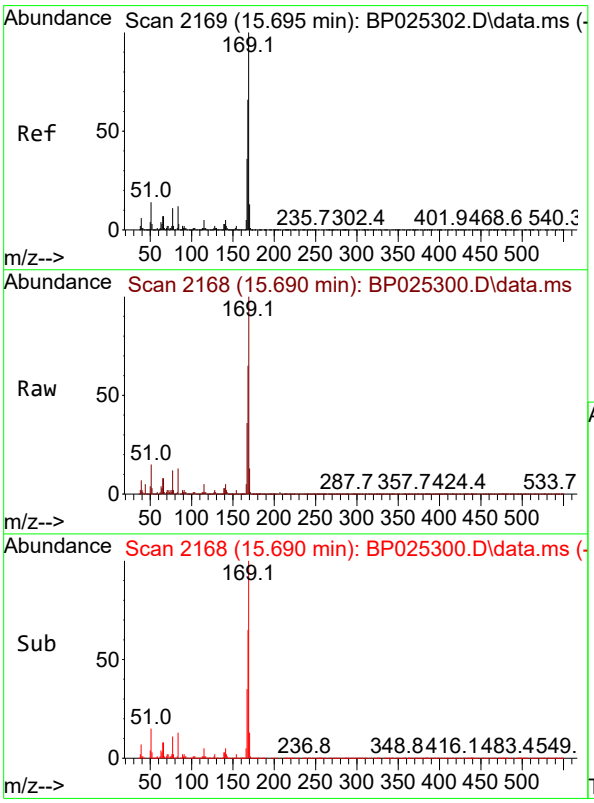
#65
4,6-Dinitro-2-methylphenol
Concen: 10.172 ng
RT: 15.543 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 22067

Ion	Ratio	Lower	Upper
198	100		
51	46.2	26.7	66.7
105	51.3	25.6	65.6

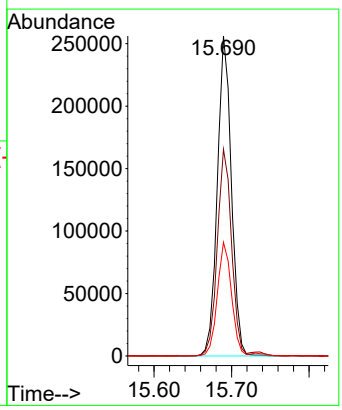


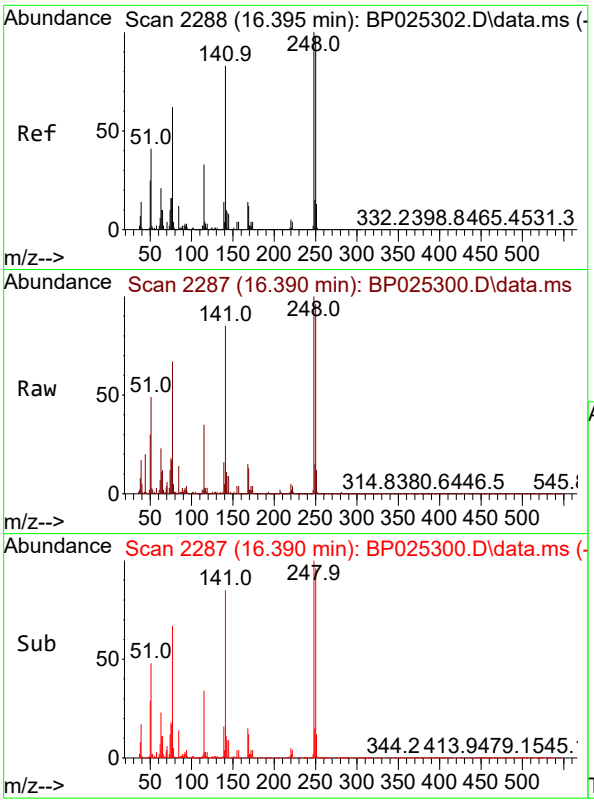


#66
n-Nitrosodiphenylamine
Concen: 9.868 ng
RT: 15.690 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:169 Resp: 322596

Ion	Ratio	Lower	Upper
169	100		
168	64.6	52.8	79.2
167	35.5	28.5	42.7



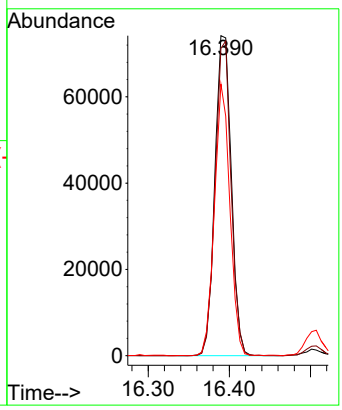


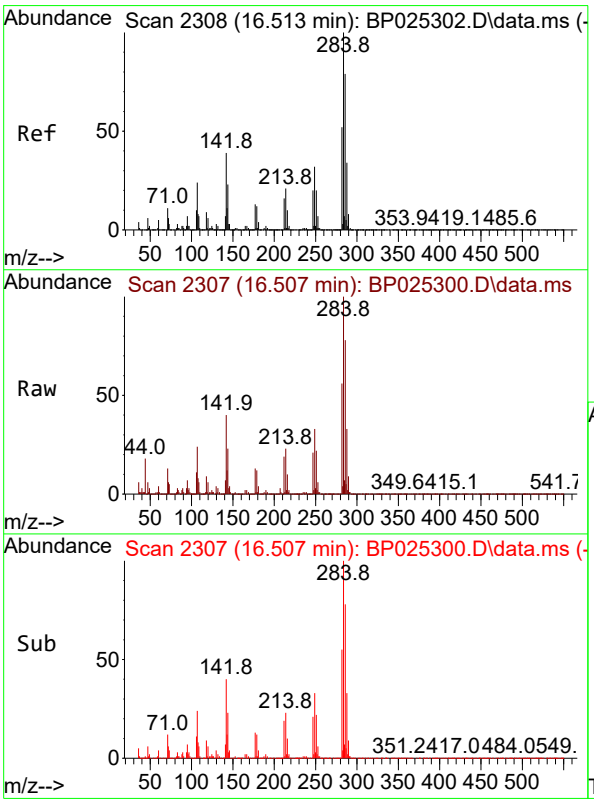
#67
4-Bromophenyl-phenylether
Concen: 9.662 ng
RT: 16.390 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 104373

Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.6	117.8
141	84.9	66.6	99.8

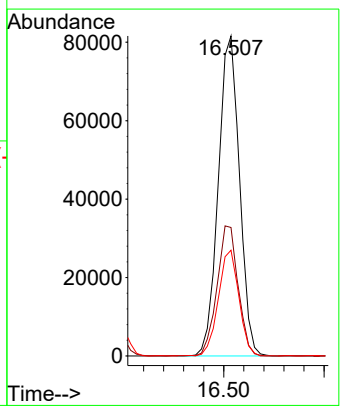


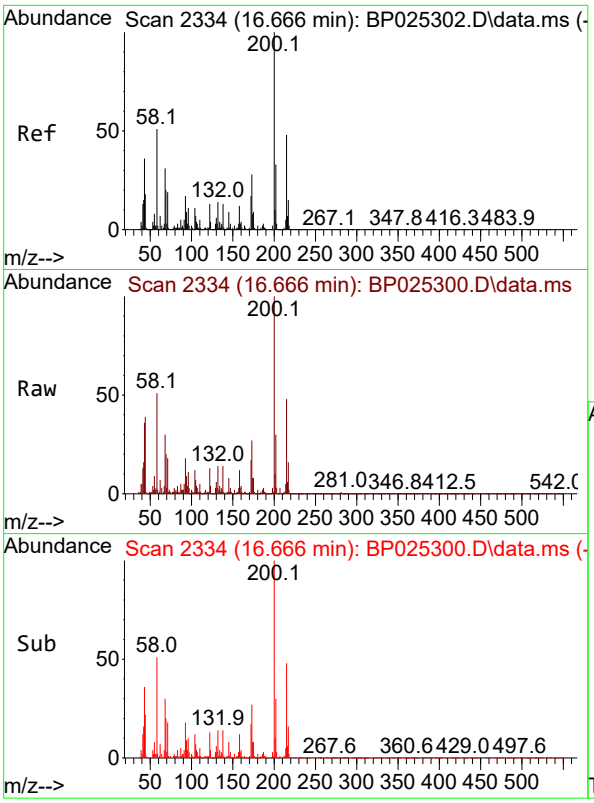


#68
Hexachlorobenzene
Concen: 9.848 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:284 Resp: 119372

Ion	Ratio	Lower	Upper
284	100		
142	40.1	30.8	46.2
249	33.1	25.4	38.0



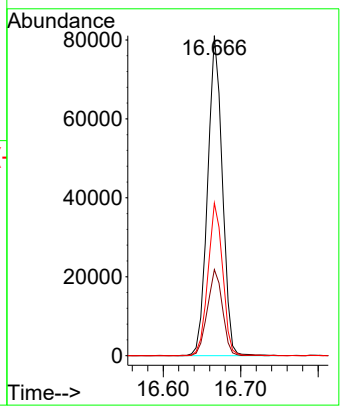


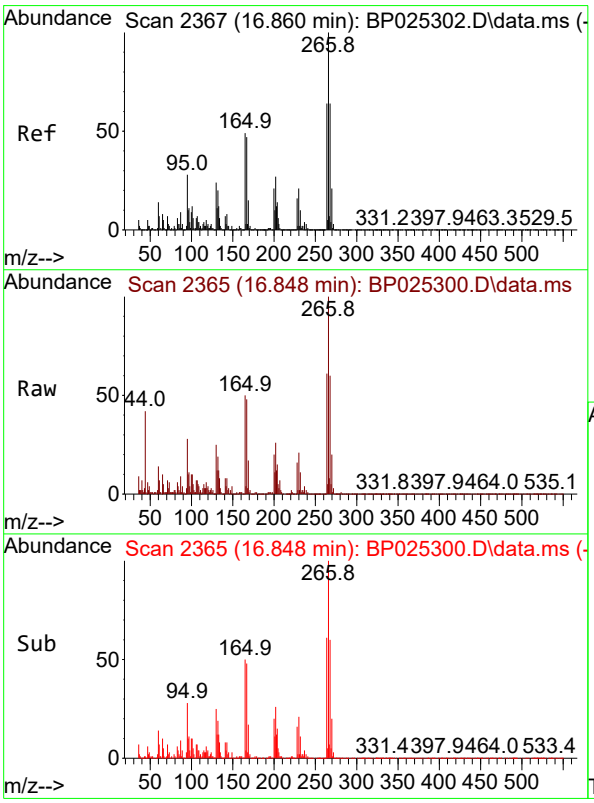
#69
Atrazine
Concen: 9.287 ng
RT: 16.666 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 106765

Ion	Ratio	Lower	Upper
200	100		
173	26.9	8.2	48.2
215	47.7	28.1	68.1

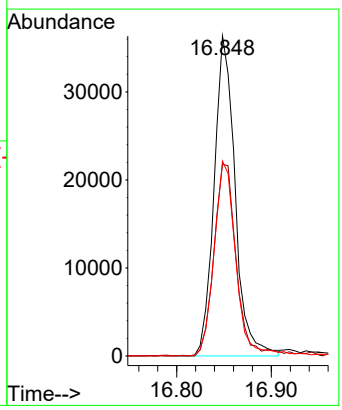


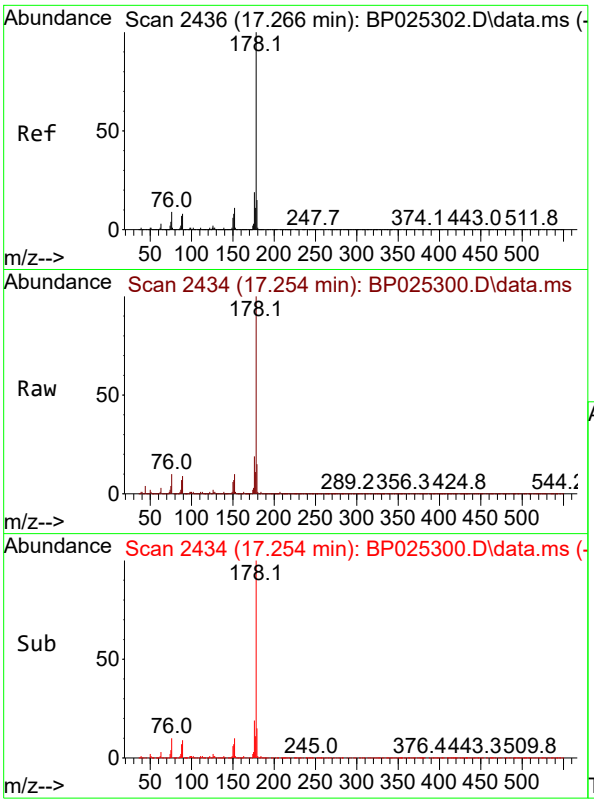


#70
Pentachlorophenol
Concen: 7.240 ng
RT: 16.848 min Scan# 2365
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:266 Resp: 55907

Ion	Ratio	Lower	Upper
266	100		
268	59.9	51.4	77.0
264	60.9	51.1	76.7



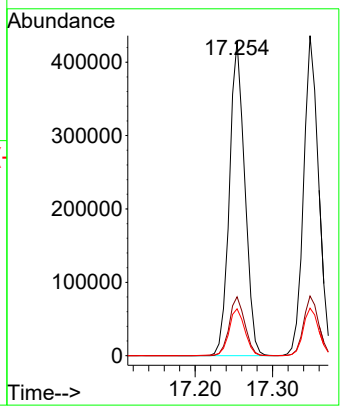


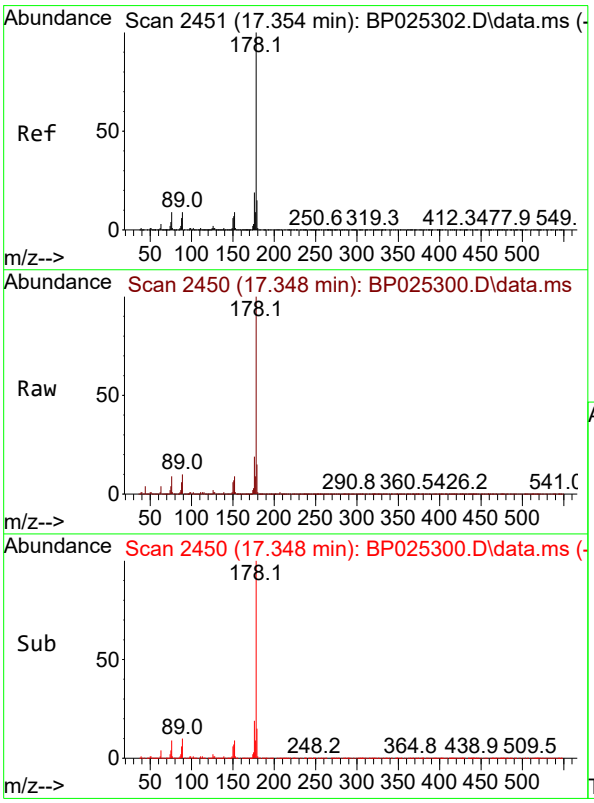
#71
Phenanthrene
Concen: 10.048 ng
RT: 17.254 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 590839

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	14.9	12.1	18.1

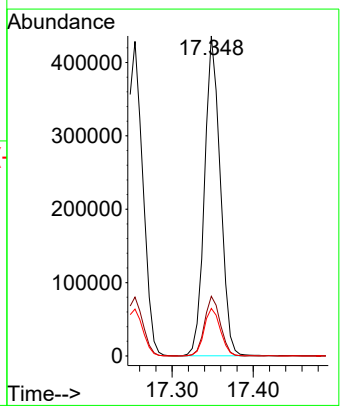


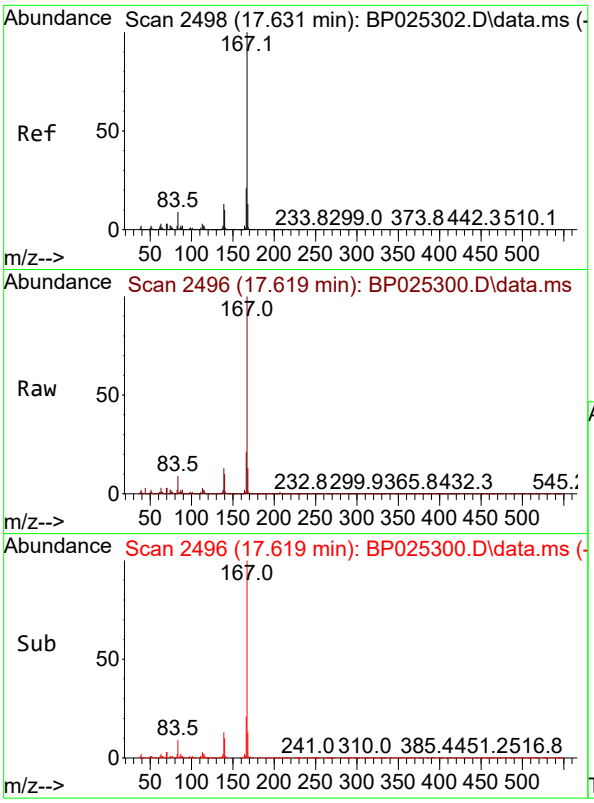


#72
Anthracene
Concen: 9.893 ng
RT: 17.348 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:178 Resp: 586562

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	14.9	12.3	18.5



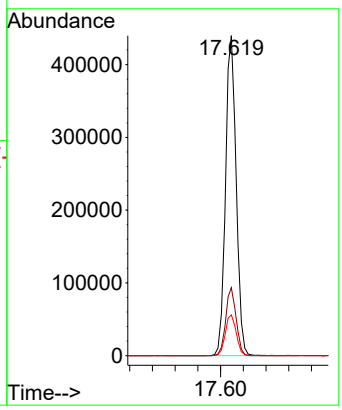


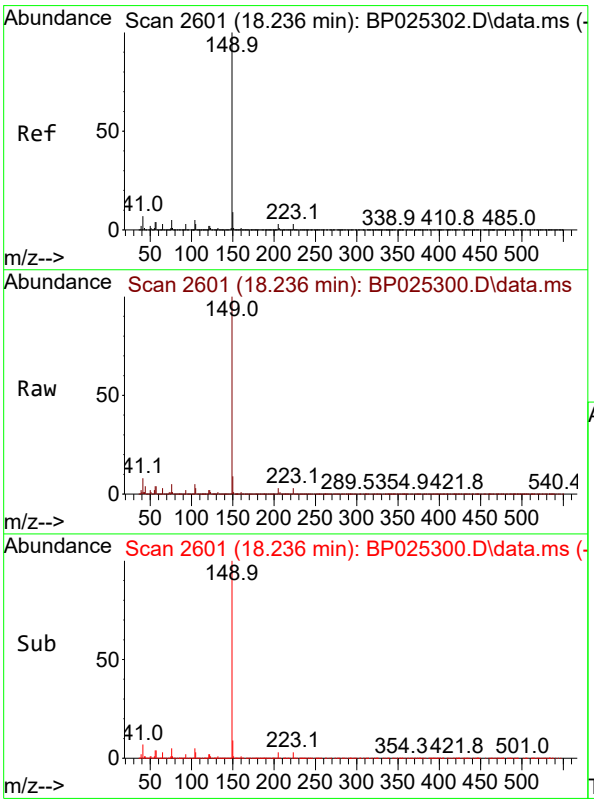
#73
Carbazole
Concen: 10.083 ng
RT: 17.619 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 573898

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.7	10.6	16.0

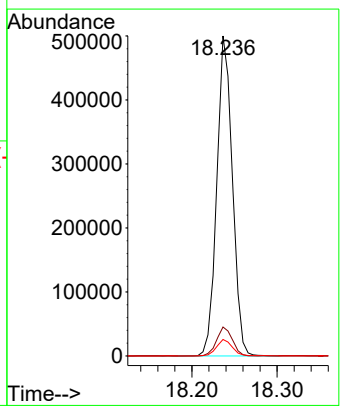


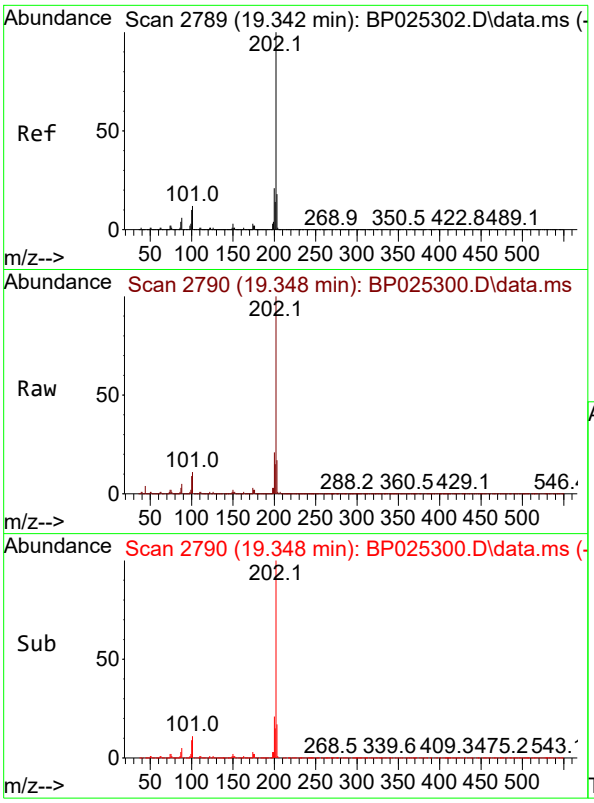


#74
Di-n-butylphthalate
Concen: 9.262 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 637721

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.2	4.1	6.1



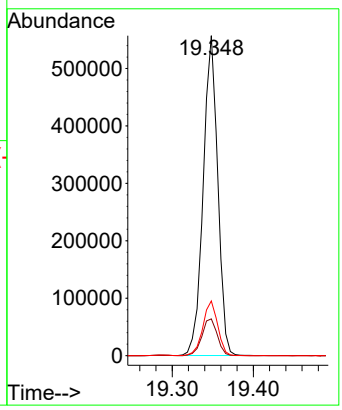


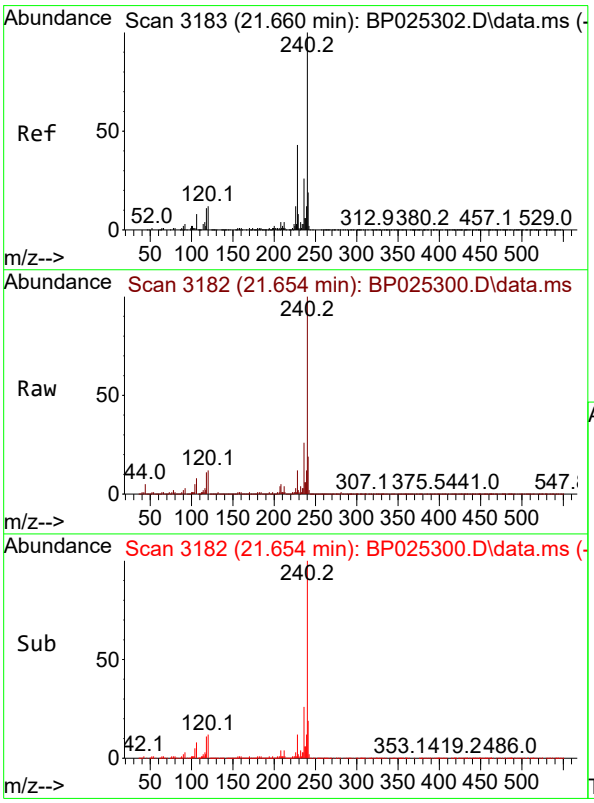
#75
Fluoranthene
Concen: 10.159 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 691537

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.1	0.0	37.6

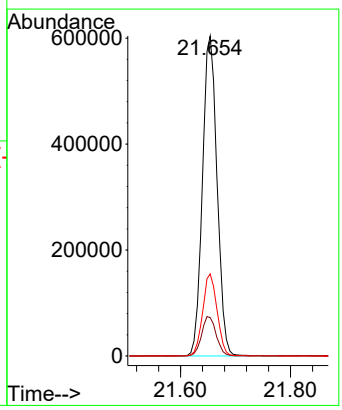


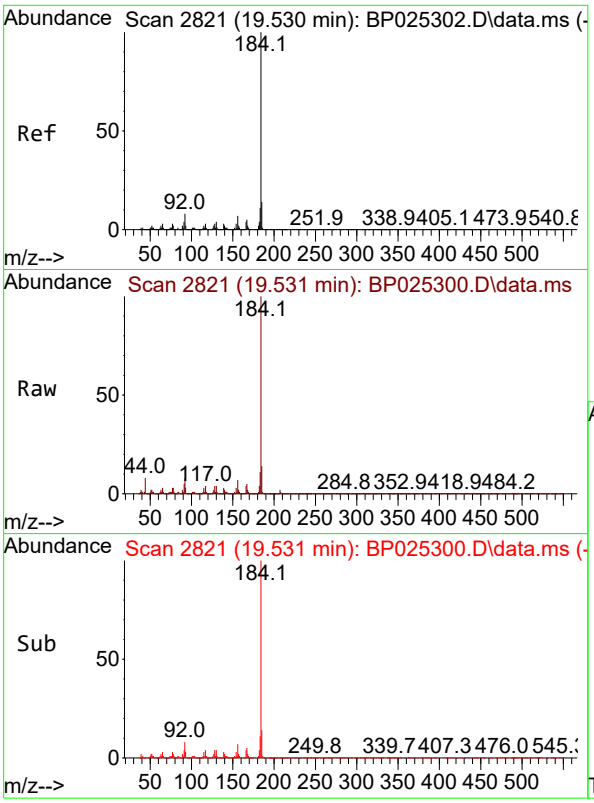


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:240 Resp: 1112736

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.7	20.4	30.6



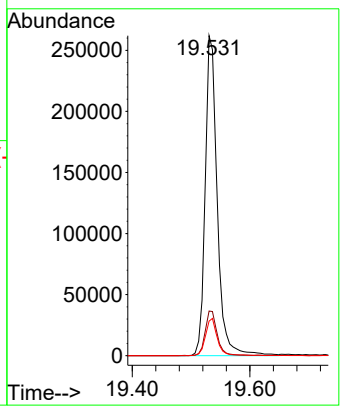


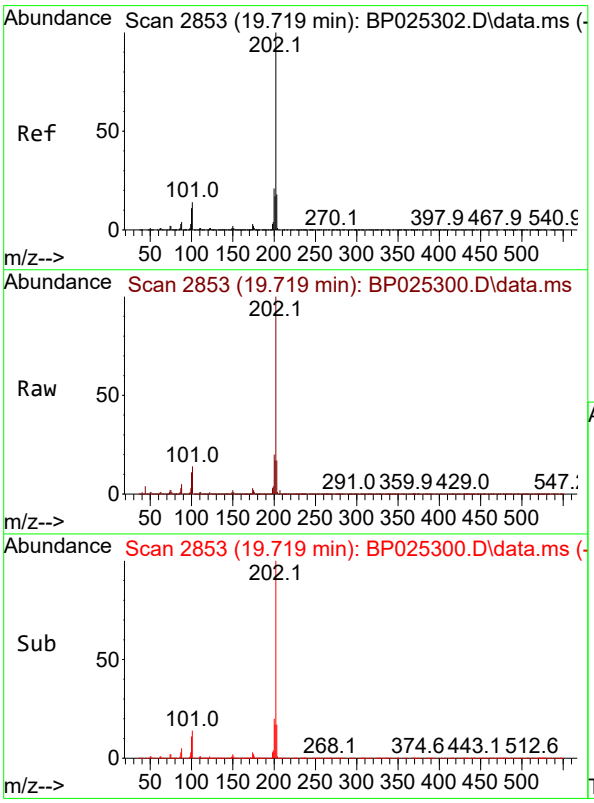
#77
Benzidine
Concen: 9.234 ng
RT: 19.531 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 371909

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.0	16.6
183	10.8	9.2	13.8

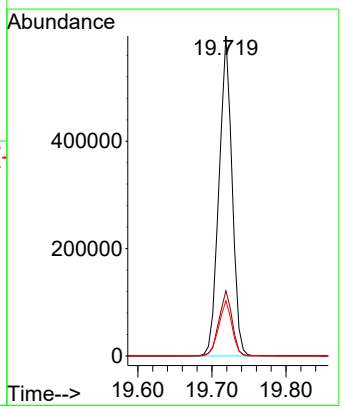


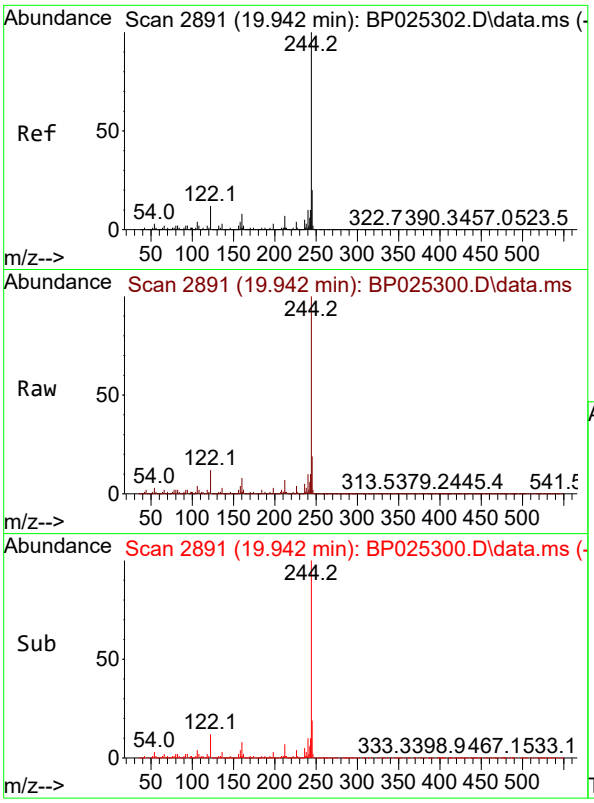


#78
Pyrene
Concen: 9.876 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:202 Resp: 730793

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	17.2	14.1	21.1



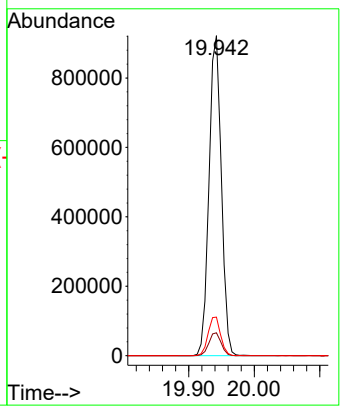


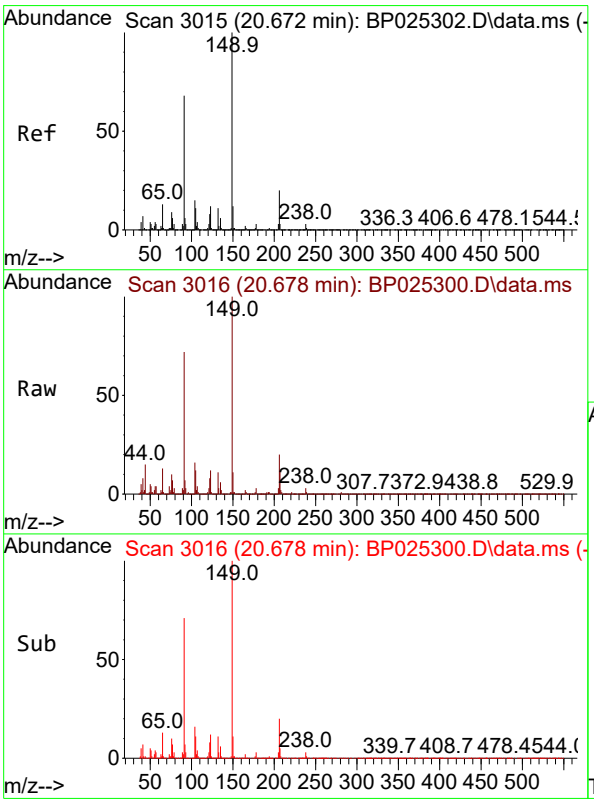
#79
Terphenyl-d14
Concen: 20.452 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1204621

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.1	9.5	14.3

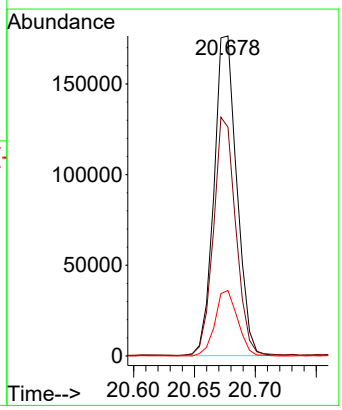


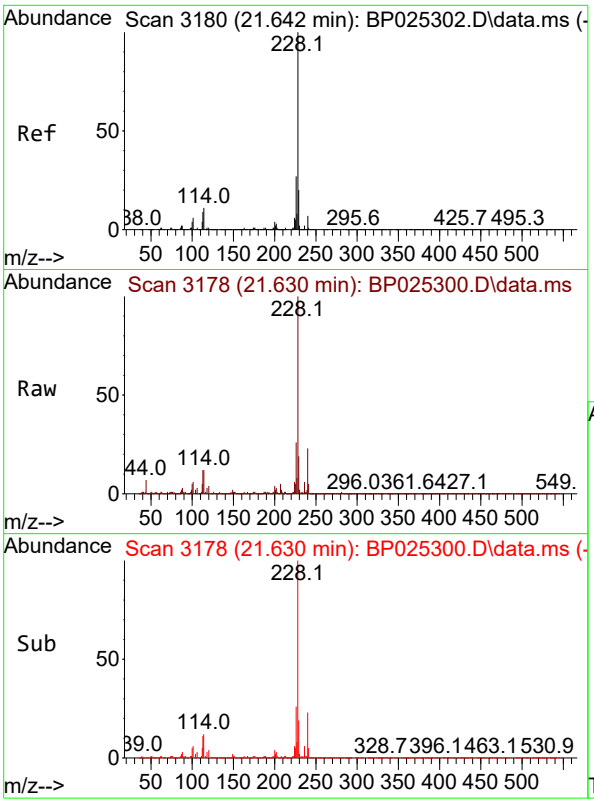


#80
Butylbenzylphthalate
Concen: 7.663 ng
RT: 20.678 min Scan# 3016
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 229970

Ion	Ratio	Lower	Upper
149	100		
91	71.5	54.7	82.1
206	20.5	16.4	24.6



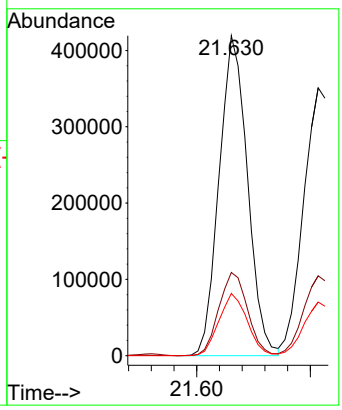


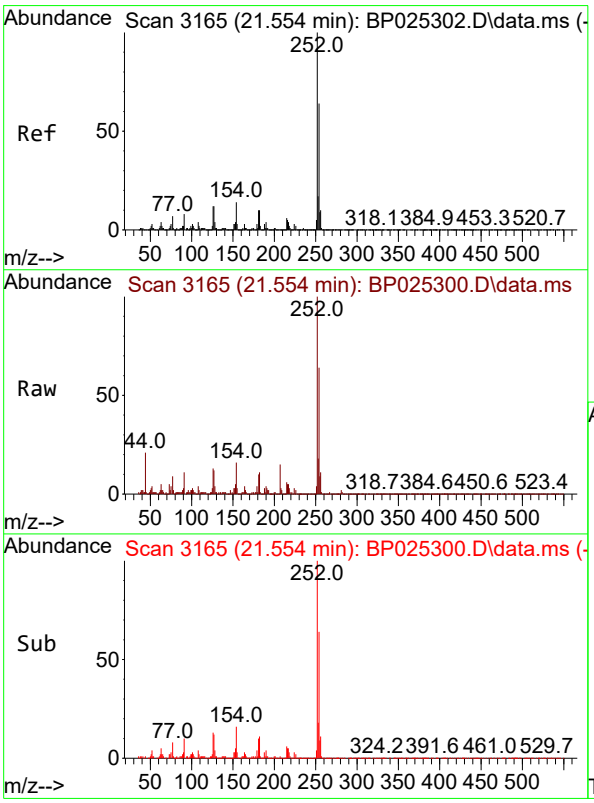
#81
Benzo(a)anthracene
Concen: 9.842 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 727727

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.8	32.8
229	19.4	16.0	24.0

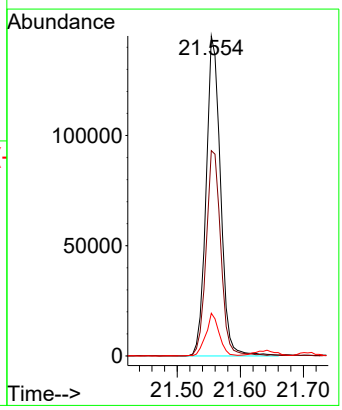


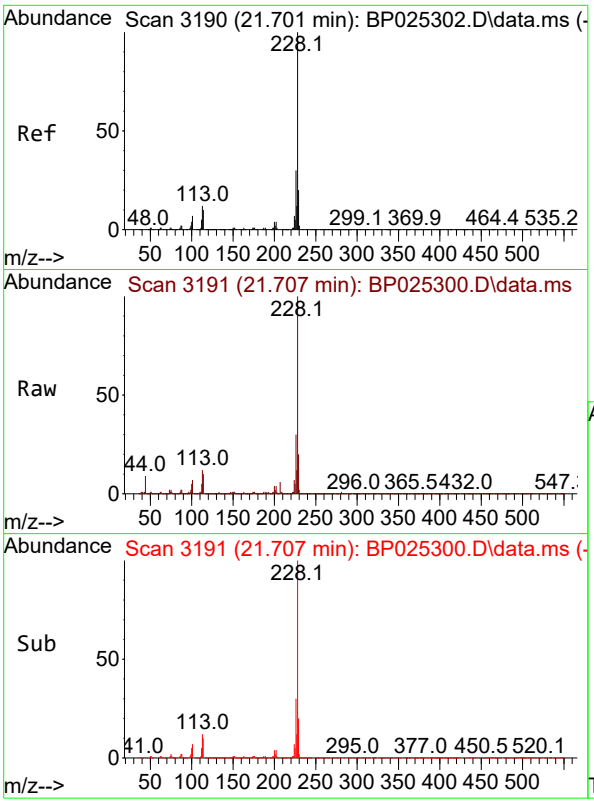


#82
3,3'-Dichlorobenzidine
Concen: 8.826 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 230264

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.0	76.6
126	13.4	9.4	14.2



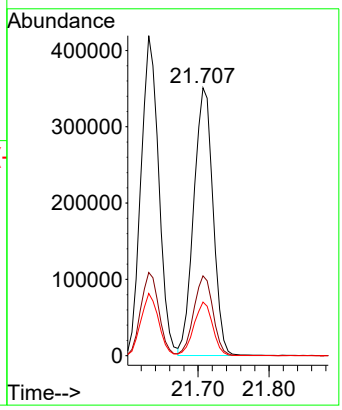


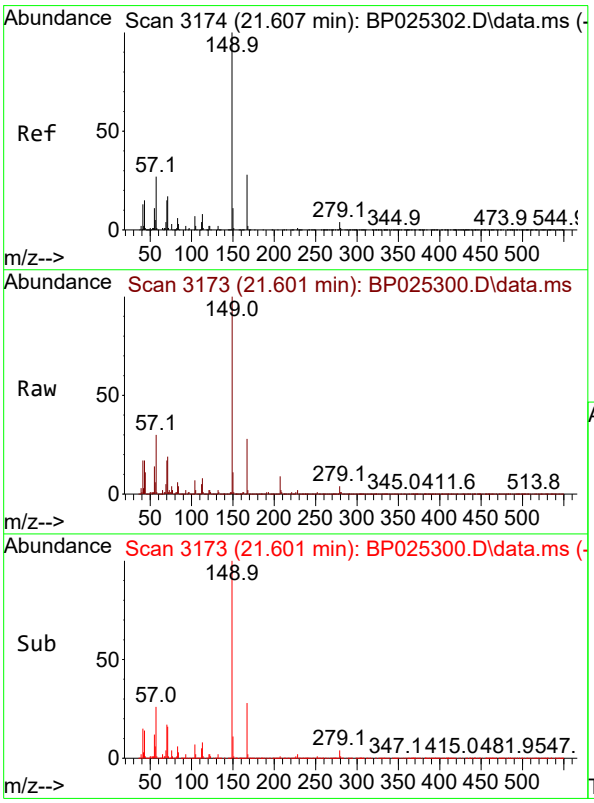
#83
Chrysene
Concen: 9.677 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 663697

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	20.0	15.9	23.9

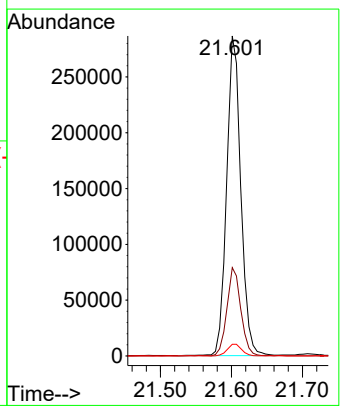


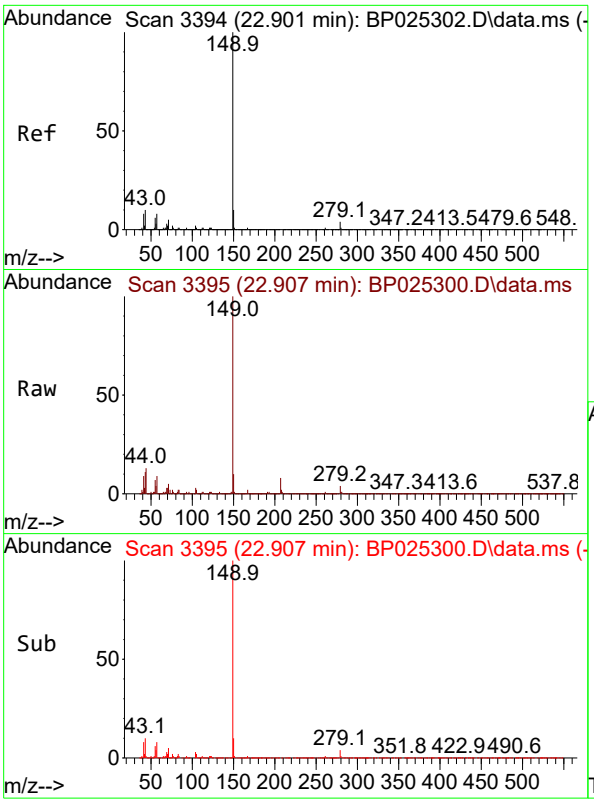


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.280 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 396772

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.7	3.4	5.2



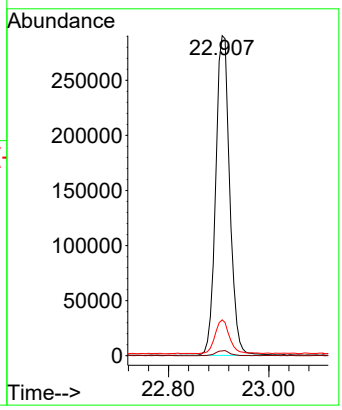


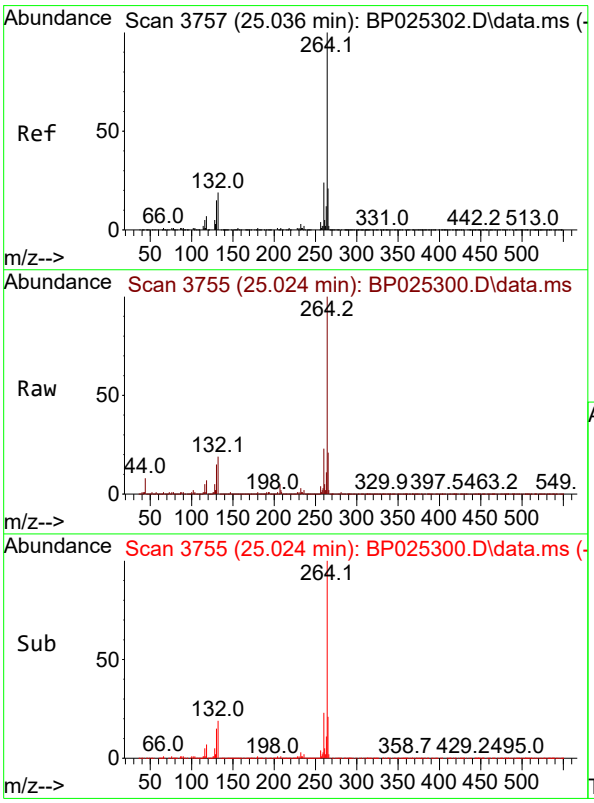
#85
Di-n-octyl phthalate
Concen: 7.010 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 562282

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	7.9	11.9

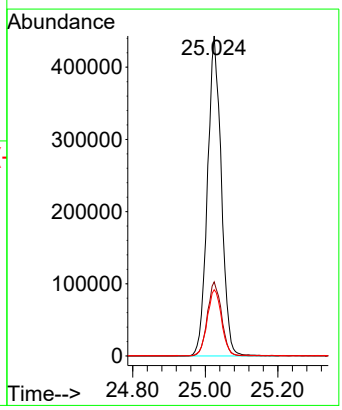


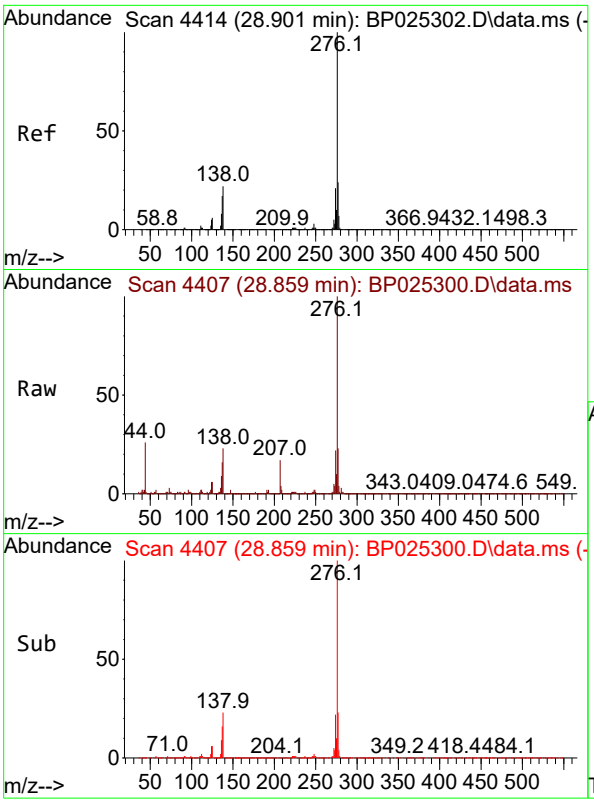


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:264 Resp: 1171338

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.7	17.1	25.7



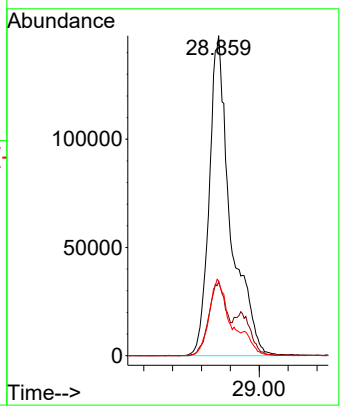


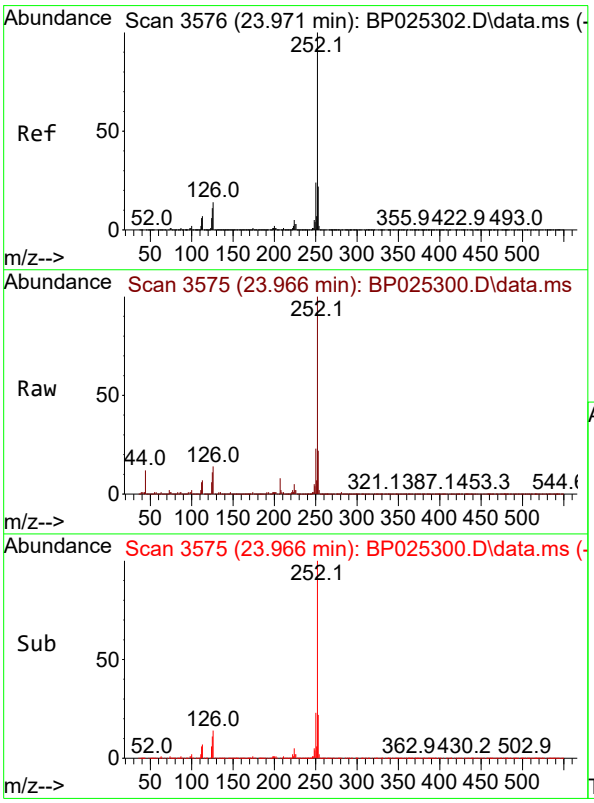
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.070 ng
RT: 28.859 min Scan# 44
Delta R.T. -0.042 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 762632

Ion	Ratio	Lower	Upper
276	100		
138	18.6	14.6	22.0
277	21.9	16.8	25.2

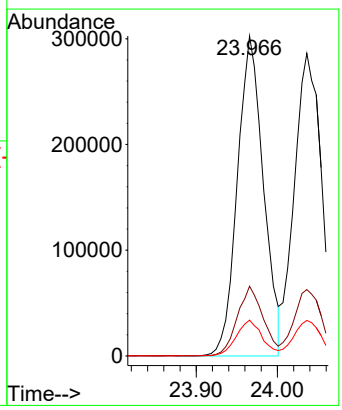


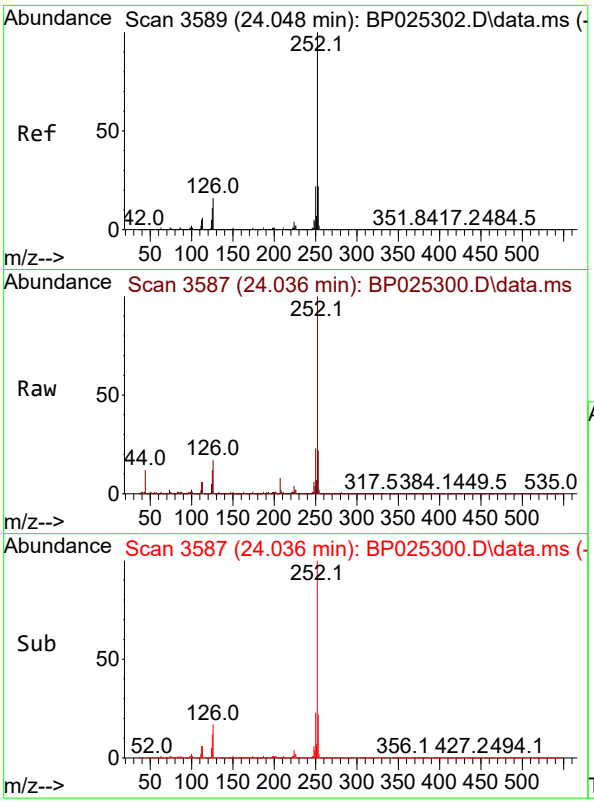


#88
Benzo(b)fluoranthene
Concen: 9.613 ng
RT: 23.966 min Scan# 3575
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 674021

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.2	8.5	12.7



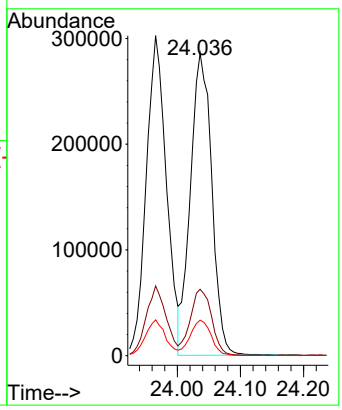


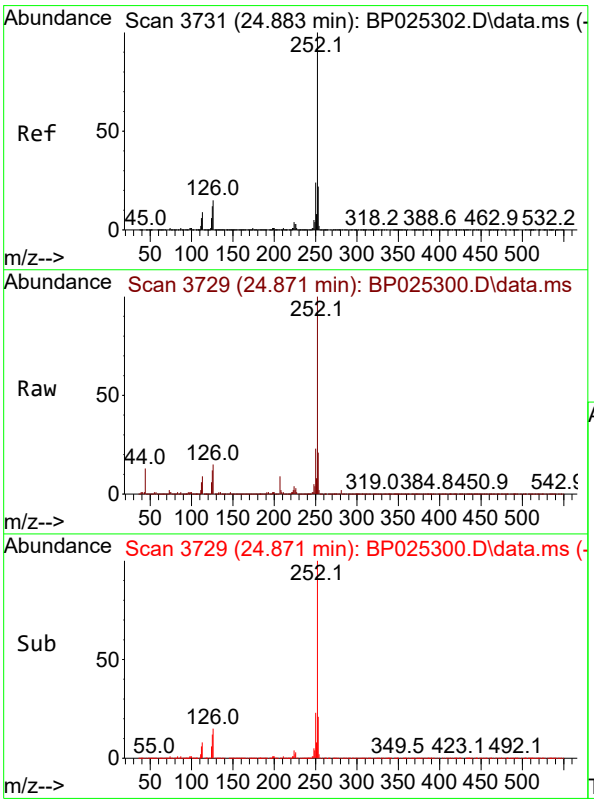
#89
Benzo(k)fluoranthene
Concen: 9.648 ng
RT: 24.036 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 670628

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.8	8.5	12.7

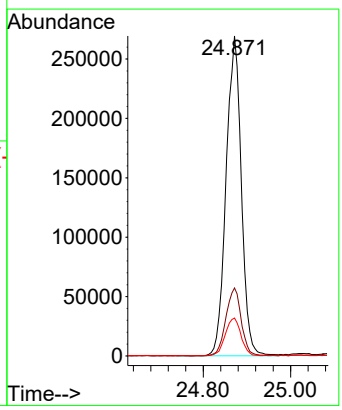


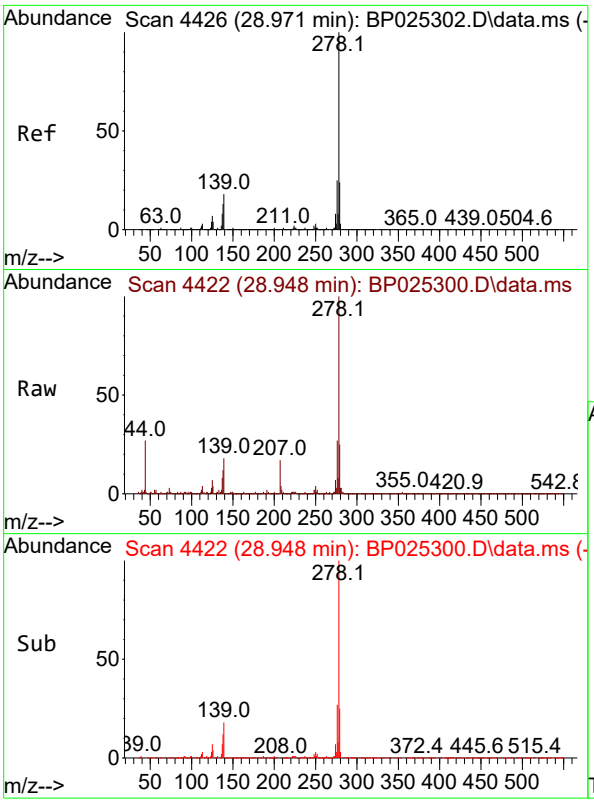


#90
Benzo(a)pyrene
Concen: 9.608 ng
RT: 24.871 min Scan# 3729
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 648807

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	11.9	9.4	14.0



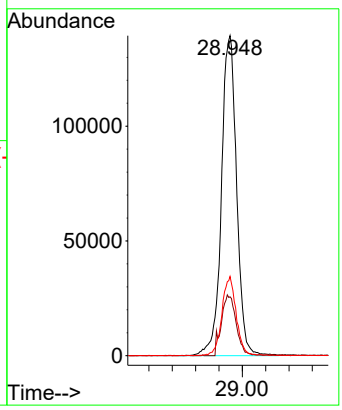


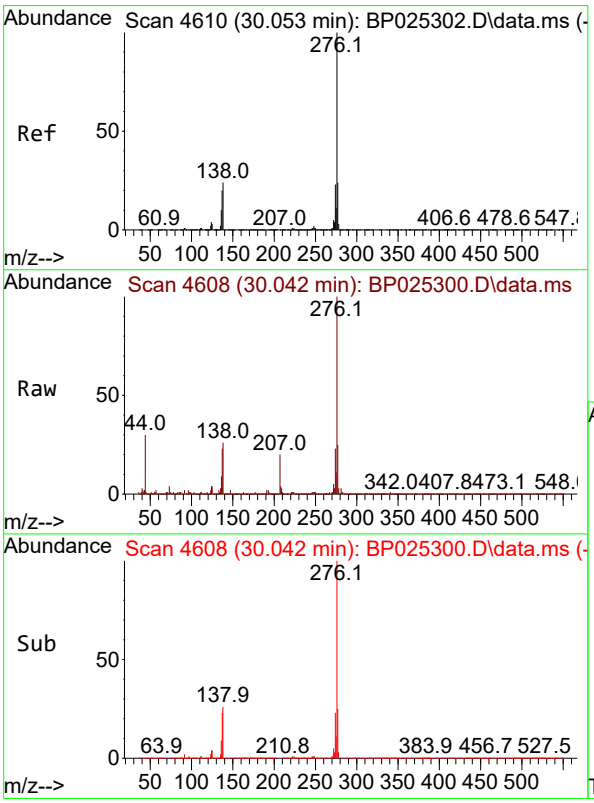
#91
Dibenzo(a,h)anthracene
Concen: 9.173 ng
RT: 28.948 min Scan# 44
Delta R.T. -0.023 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 630715

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.6	22.0
279	24.8	19.0	28.4

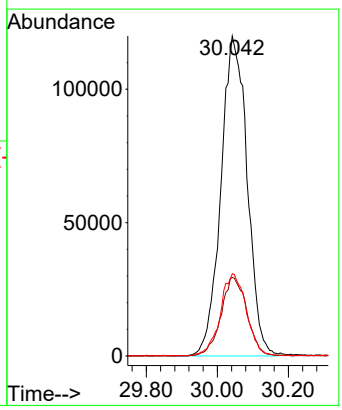




#92
Benzo(g,h,i)perylene
Concen: 9.120 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.011 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:276 Resp: 615632

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	25.7	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	294592	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1257251	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	772745	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1545091	20.000	ng		-0.02
76) Chrysene-d12	21.642	240	1541869	20.000	ng		-0.02
86) Perylene-d12	25.018	264	1709357	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	736938	39.974	ng		0.00
7) Phenol-d6	6.961	99	970685	39.915	ng		0.00
23) Nitrobenzene-d5	8.937	82	943796	40.616	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	325099	40.747	ng		-0.01
45) 2-Fluorobiphenyl	13.031	172	2285838	41.076	ng		0.00
79) Terphenyl-d14	19.925	244	3380656	41.421	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	141085	19.519	ng		98
3) Pyridine	3.725	79	394975	19.668	ng		99
4) n-Nitrosodimethylamine	3.637	42	184663	19.807	ng		97
6) Aniline	7.131	93	650581	19.660	ng		100
8) 2-Chlorophenol	7.366	128	399216	19.912	ng		99
9) Benzaldehyde	6.943	77	319029	18.633	ng		98
10) Phenol	6.984	94	509021	19.736	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	400605	19.823	ng		99
12) 1,3-Dichlorobenzene	7.696	146	449548	19.955	ng		99
13) 1,4-Dichlorobenzene	7.837	146	452555	19.856	ng		99
14) 1,2-Dichlorobenzene	8.149	146	439038	19.885	ng		98
15) Benzyl Alcohol	8.025	79	362188	19.383	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	635912	19.920	ng		98
17) 2-Methylphenol	8.225	107	340407	19.724	ng		98
18) Hexachloroethane	8.878	117	158949	19.501	ng		98
19) n-Nitroso-di-n-propyla...	8.590	70	312863	19.754	ng		99
20) 3+4-Methylphenols	8.543	107	461472	19.418	ng		98
22) Acetophenone	8.607	105	640590	20.296	ng	#	99
24) Nitrobenzene	8.978	77	435932	20.293	ng		100
25) Isophorone	9.502	82	882394	19.534	ng		99
26) 2-Nitrophenol	9.684	139	144380	17.898	ng		99
27) 2,4-Dimethylphenol	9.743	122	387180	18.591	ng		94
28) bis(2-Chloroethoxy)met...	9.984	93	549341	19.991	ng		99
29) 2,4-Dichlorophenol	10.213	162	368492	20.210	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	407796	20.272	ng		98
31) Naphthalene	10.625	128	1313112	20.119	ng		100
32) Benzoic acid	9.831	122	159597	19.976	ng		98
33) 4-Chloroaniline	10.719	127	578033	19.913	ng		99
34) Hexachlorobutadiene	10.919	225	232981	20.177	ng		99
35) Caprolactam	11.454	113	132591	18.704	ng		96
36) 4-Chloro-3-methylphenol	11.831	107	410728	19.468	ng		97
37) 2-Methylnaphthalene	12.225	142	836183	19.794	ng		97
38) 1-Methylnaphthalene	12.443	142	884130	20.058	ng		99
40) 1,2,4,5-Tetrachloroben...	12.596	216	435991	20.666	ng		99
41) Hexachlorocyclopentadiene	12.584	237	250447	19.234	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	277071	20.330	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	315277	20.622	ng		98
46) 1,1'-Biphenyl	13.243	154	1177906	20.684	ng		100
47) 2-Chloronaphthalene	13.284	162	893709	20.570	ng		99
48) 2-Nitroaniline	13.466	65	221835	19.318	ng		98
49) Acenaphthylene	14.131	152	1469277	20.274	ng		100
50) Dimethylphthalate	13.860	163	1136145	20.169	ng		100
51) 2,6-Dinitrotoluene	13.972	165	214760	20.669	ng		96
52) Acenaphthene	14.472	154	893336	20.209	ng		100
53) 3-Nitroaniline	14.295	138	244949	20.146	ng		97
54) 2,4-Dinitrophenol	14.501	184	62185	20.728	ng	#	64
55) Dibenzofuran	14.813	168	1340675	20.295	ng		99
56) 4-Nitrophenol	14.595	139	208471	19.428	ng		99
57) 2,4-Dinitrotoluene	14.760	165	278602	19.379	ng		88
58) Fluorene	15.466	166	1065702	20.540	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	261795	20.379	ng		99
60) Diethylphthalate	15.248	149	1157469	20.380	ng		100
61) 4-Chlorophenyl-phenyle...	15.472	204	502874	20.445	ng		97
62) 4-Nitroaniline	15.472	138	250280	20.775	ng		99
63) Azobenzene	15.766	77	1062864	20.145	ng		100
65) 4,6-Dinitro-2-methylph...	15.537	198	96827	20.007	ng		97
66) n-Nitrosodiphenylamine	15.678	169	954626	20.292	ng		99
67) 4-Bromophenyl-phenylether	16.378	248	311442	20.033	ng		98
68) Hexachlorobenzene	16.495	284	345386	19.800	ng		100
69) Atrazine	16.654	200	336474	20.337	ng		98
70) Pentachlorophenol	16.836	266	214251	19.278	ng		98
71) Phenanthrene	17.242	178	1695710	20.038	ng		99
72) Anthracene	17.342	178	1744320	20.442	ng		100
73) Carbazole	17.613	167	1677911	20.485	ng		100
74) Di-n-butylphthalate	18.219	149	2066393	20.853	ng		99
75) Fluoranthene	19.325	202	1994945	20.364	ng		99
77) Benzidine	19.513	184	1175553	21.065	ng		100
78) Pyrene	19.695	202	2081509	20.301	ng		99
80) Butylbenzylphthalate	20.660	149	854396	20.547	ng		100
81) Benzo(a)anthracene	21.619	228	2092336	20.421	ng		99
82) 3,3'-Dichlorobenzidine	21.542	252	745703	20.628	ng		99
83) Chrysene	21.689	228	1938698	20.400	ng		99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1391559	20.958	ng		99
85) Di-n-octyl phthalate	22.889	149	2211074	19.895	ng		99
87) Indeno(1,2,3-cd)pyrene	28.854	276	2454026m	20.000	ng		
88) Benzo(b)fluoranthene	23.954	252	2040906	19.945	ng		99
89) Benzo(k)fluoranthene	24.018	252	2032226	20.034	ng		99
90) Benzo(a)pyrene	24.854	252	1962673	19.917	ng		99
91) Dibenzo(a,h)anthracene	28.953	278	1992808	19.860	ng		98
92) Benzo(g,h,i)perylene	30.036	276	1964046	19.938	ng		98

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

ICAL Form

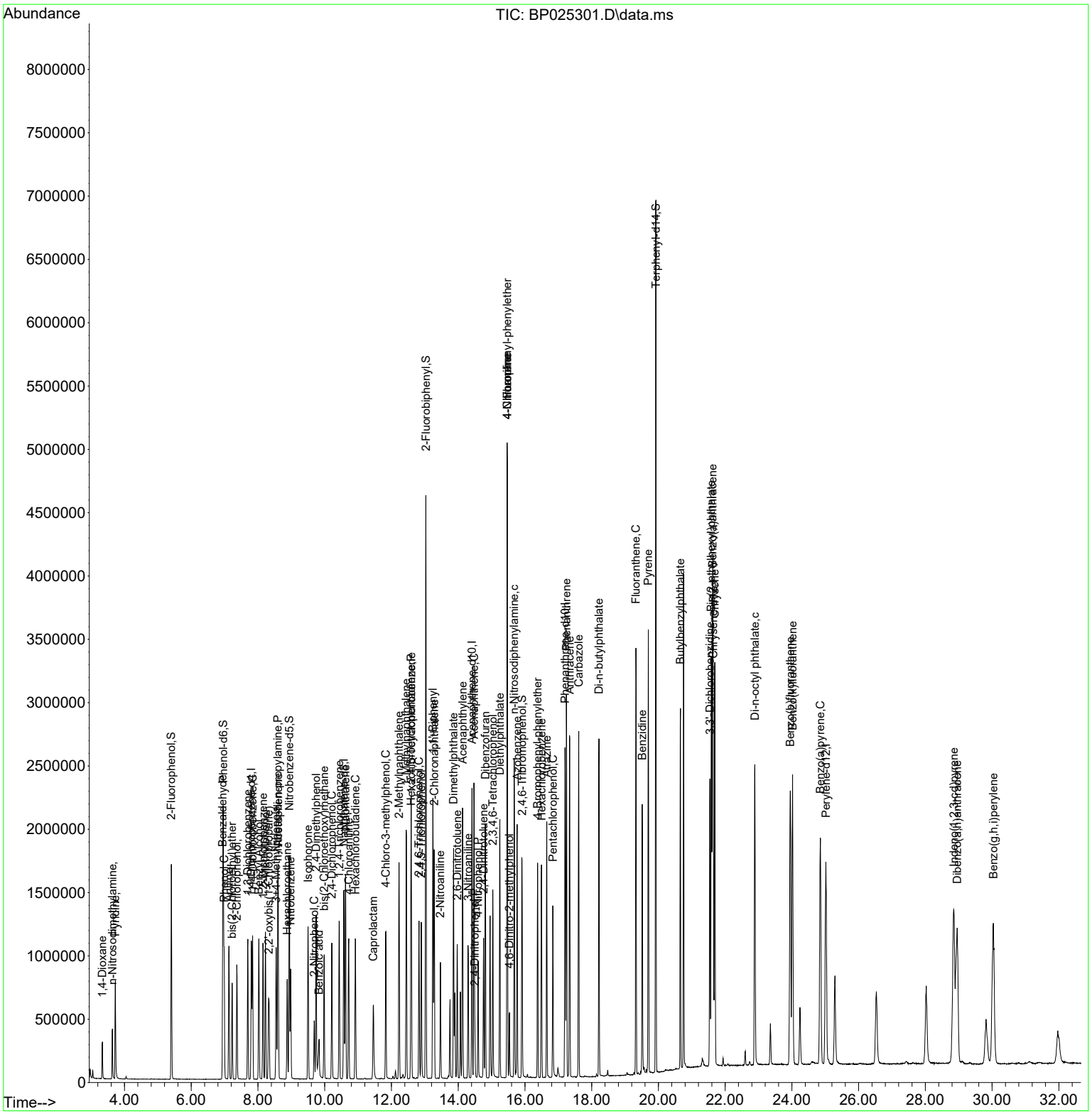
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

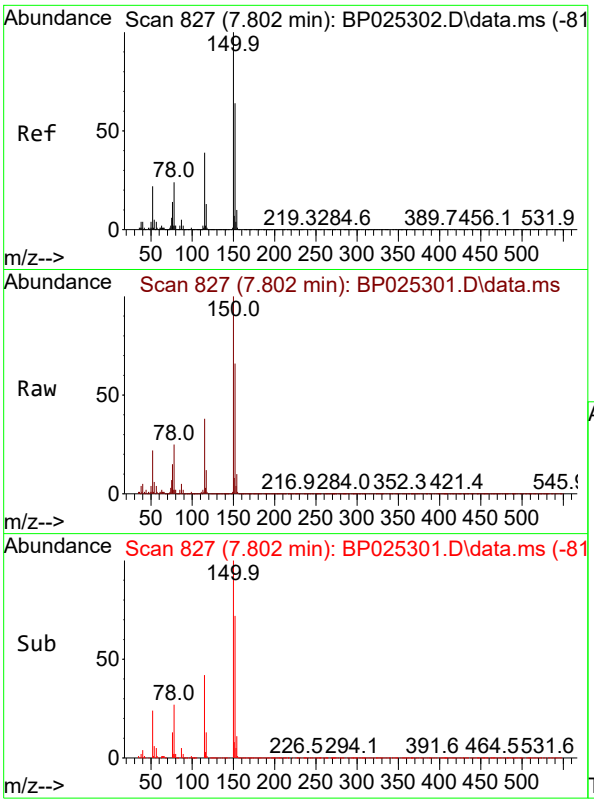
Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

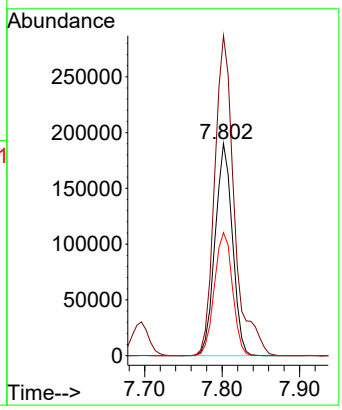




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:152 Resp: 29459

Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.1	187.7
115	58.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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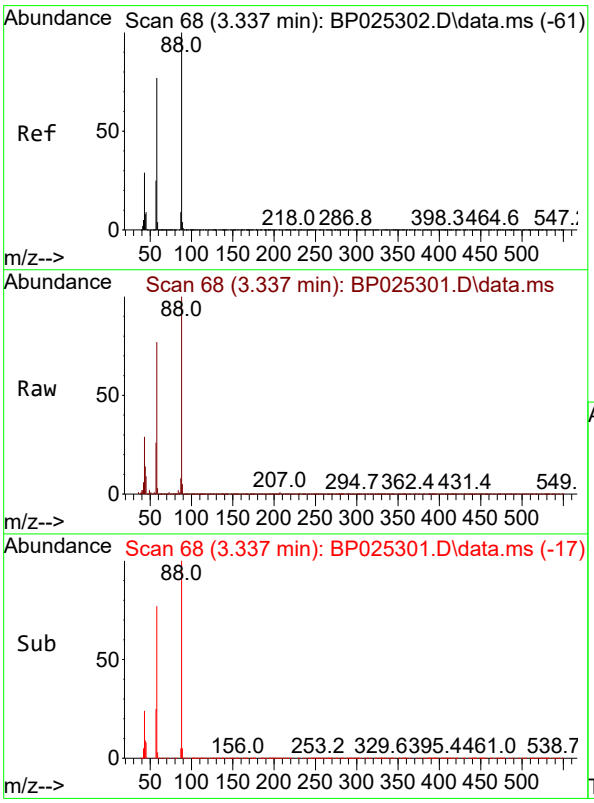
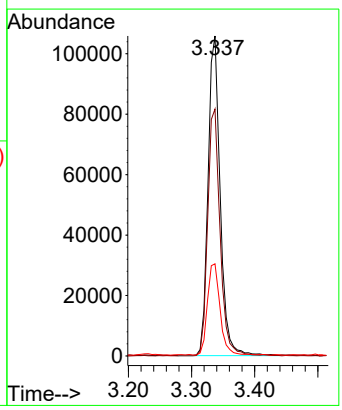
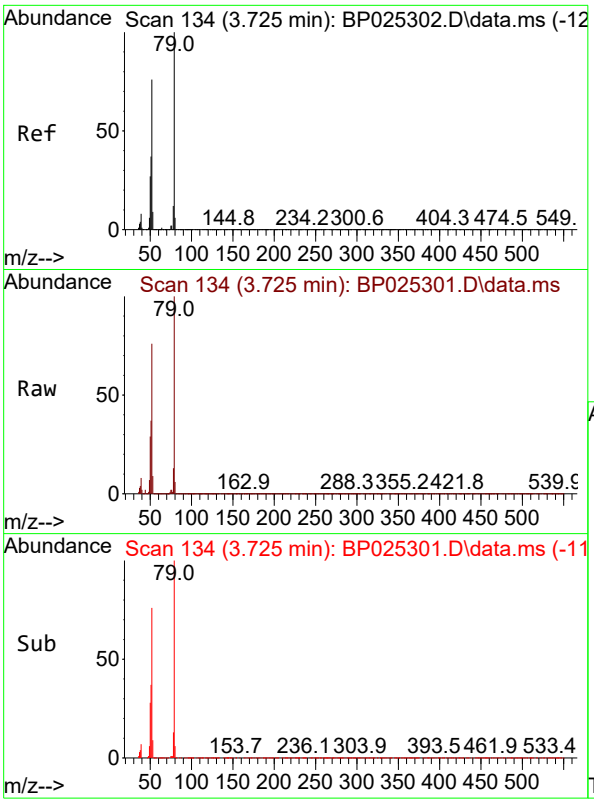


#2
1,4-Dioxane
Concen: 19.519 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 88 Resp: 141085

Ion	Ratio	Lower	Upper
88	100		
58	78.9	61.9	92.9
43	29.5	24.2	36.2

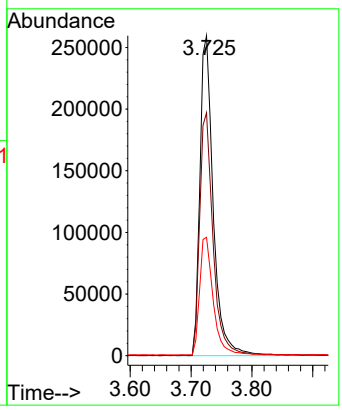




#3
Pyridine
Concen: 19.668 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 79 Resp: 39497

Ion	Ratio	Lower	Upper
79	100		
52	75.9	60.5	90.7
51	37.0	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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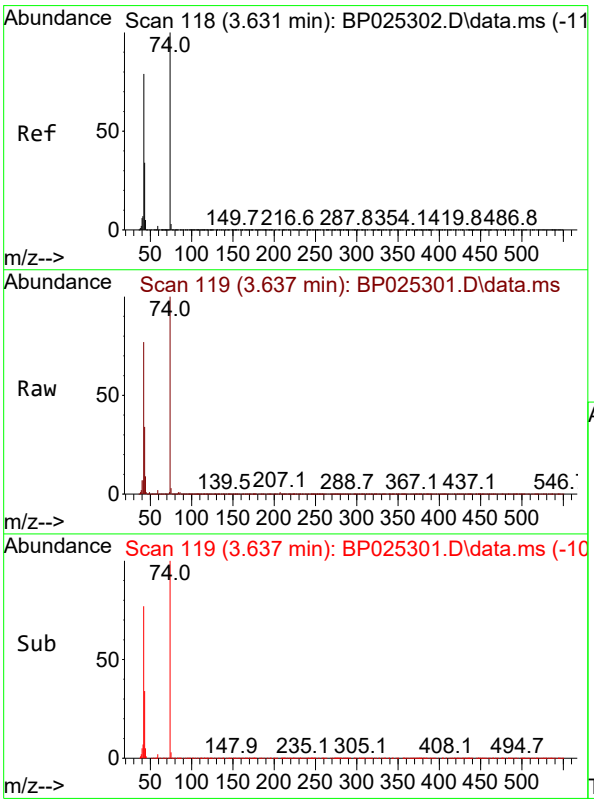
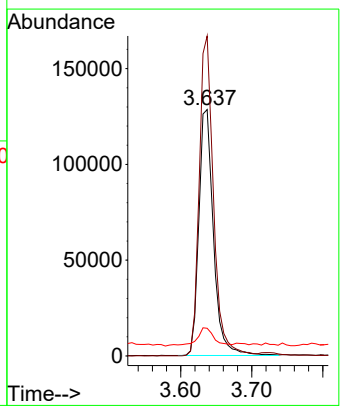
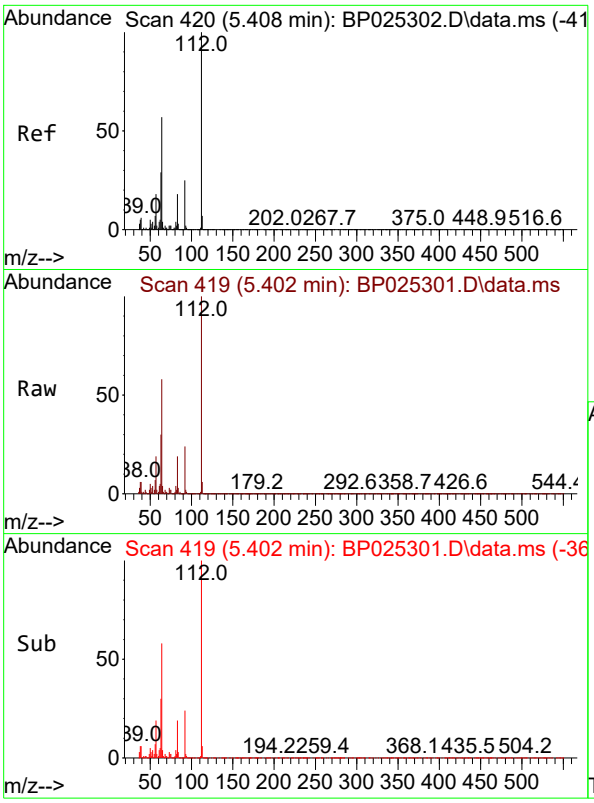


#4
n-Nitrosodimethylamine
Concen: 19.807 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 42 Resp: 184663

Ion	Ratio	Lower	Upper
42	100		
74	129.9	101.4	152.2
44	11.2	7.6	11.4

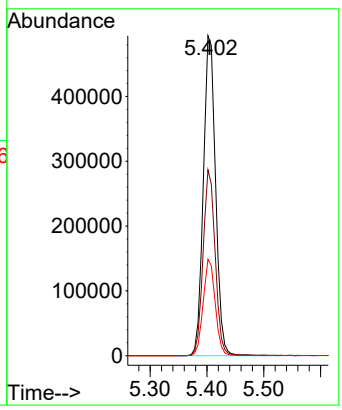




#5
2-Fluorophenol
Concen: 39.974 ng
RT: 5.402 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:112 Resp: 73693

Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.3	67.9
63	30.1	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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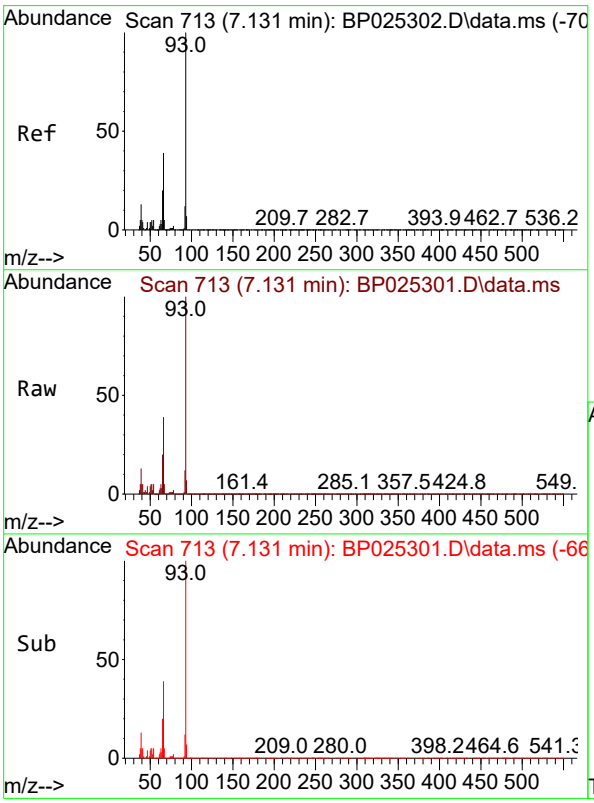
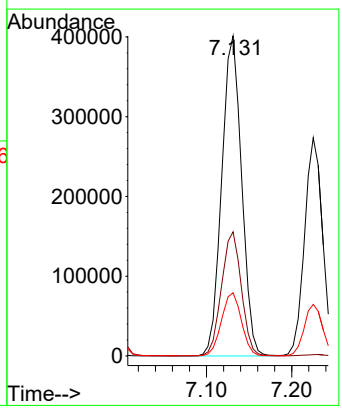
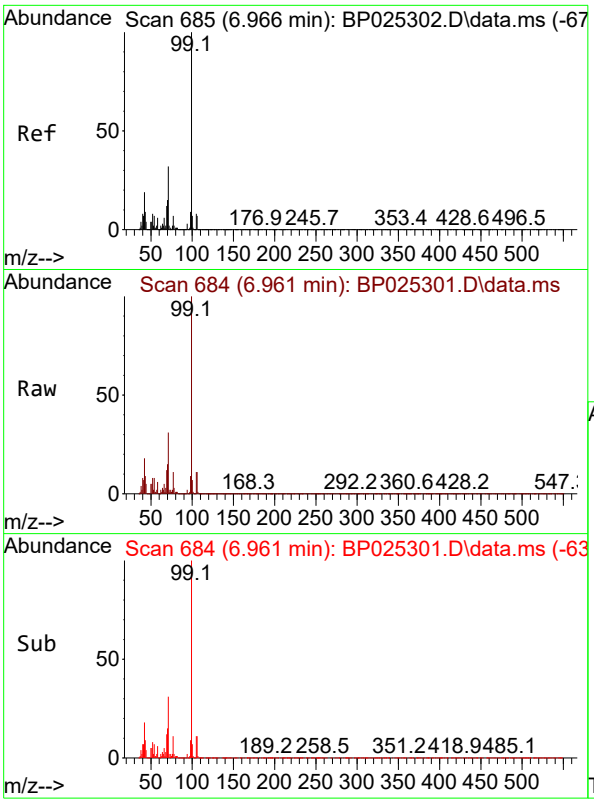


#6
Aniline
Concen: 19.660 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 650581

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.1	46.7
65	19.8	15.8	23.8

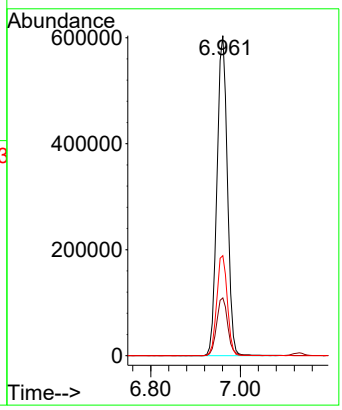




#7
Phenol-d6
Concen: 39.915 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 99 Resp: 97068

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.6
71	31.3	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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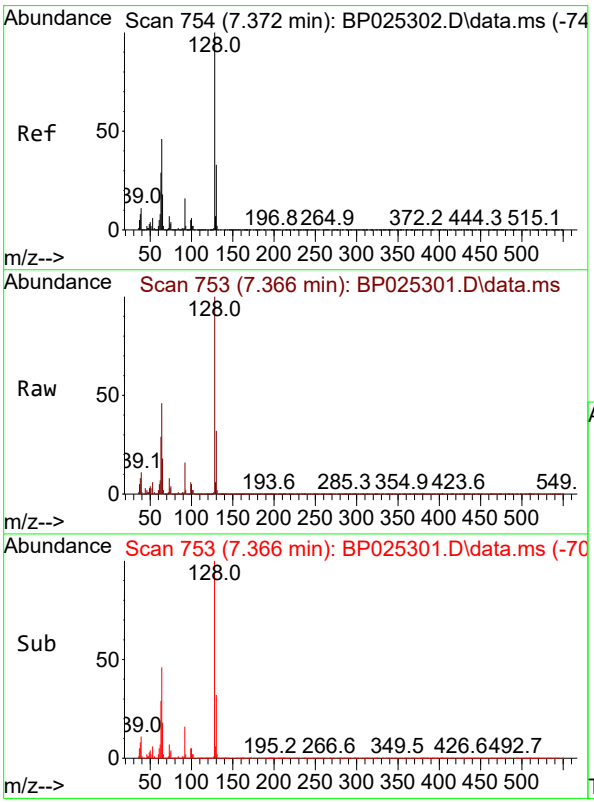
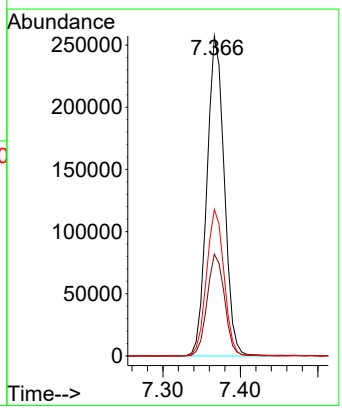
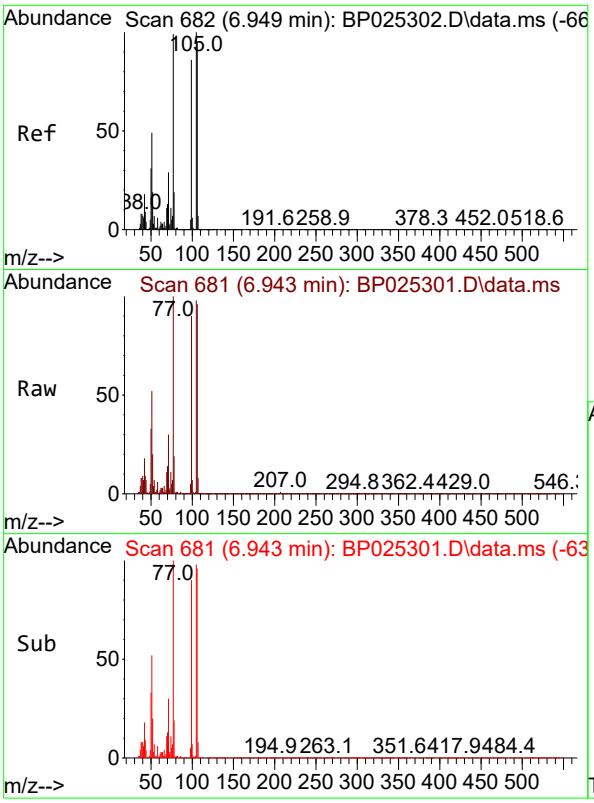


#8
2-Chlorophenol
Concen: 19.912 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:128 Resp: 399216

Ion	Ratio	Lower	Upper
128	100		
130	31.8	13.1	53.1
64	45.8	26.1	66.1

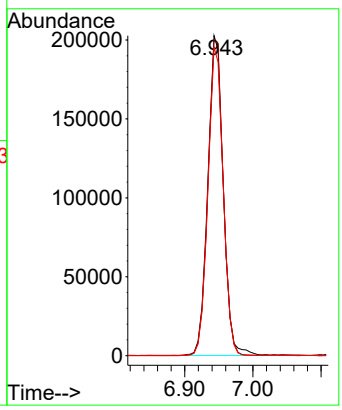




#9
Benzaldehyde
Concen: 18.633 ng
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 31902

Ion	Ratio	Lower	Upper
77	100		
105	98.5	81.4	121.4
106	96.4	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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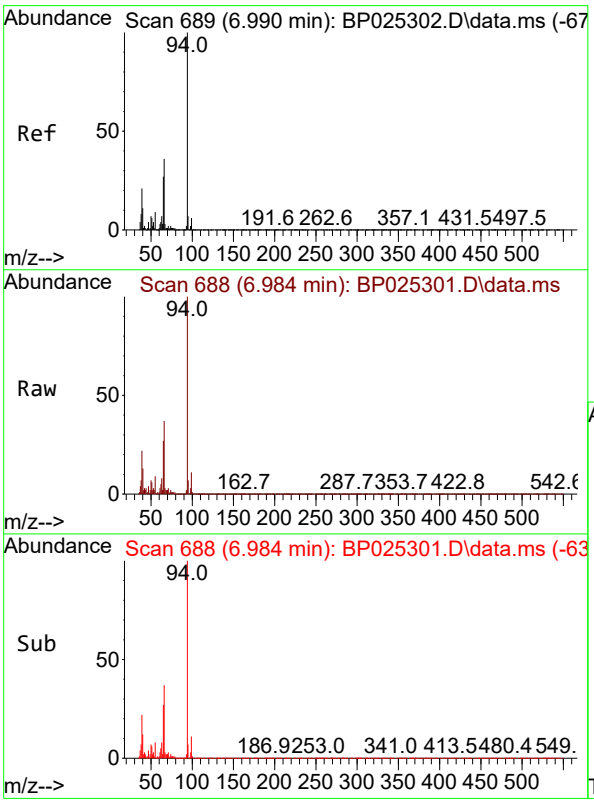
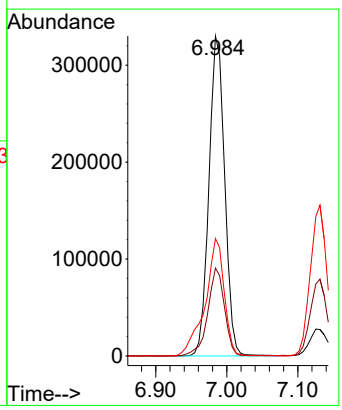
Supervised By :Jagrut Upadhyay 08/06/2025

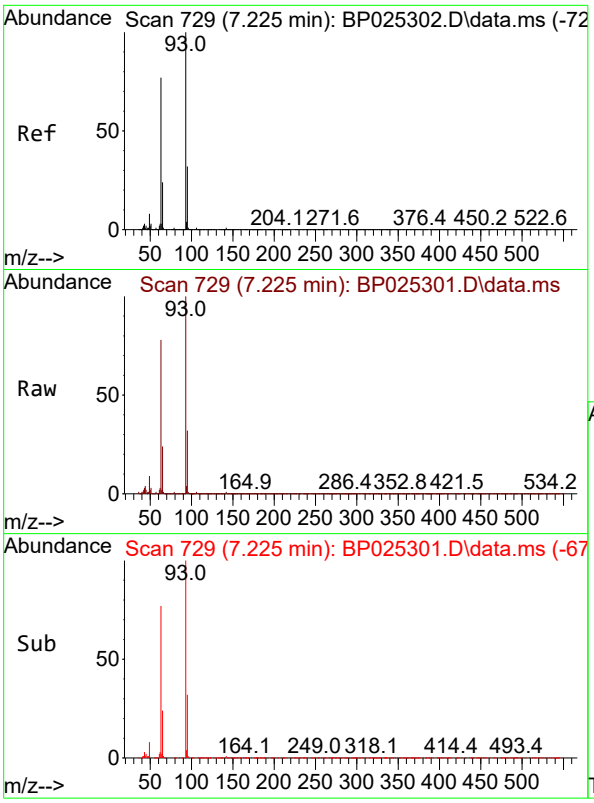


#10
Phenol
Concen: 19.736 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 94 Resp: 509021

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	36.7	15.7	55.7

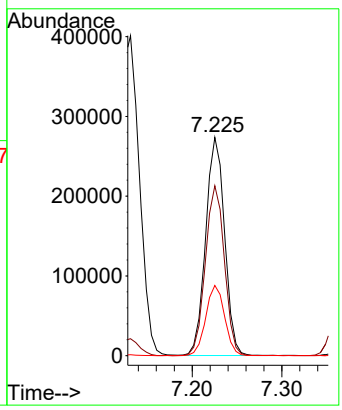




#11
bis(2-Chloroethyl)ether
Concen: 19.823 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 40060

Ion	Ratio	Lower	Upper
93	100		
63	77.8	57.0	97.0
95	32.2	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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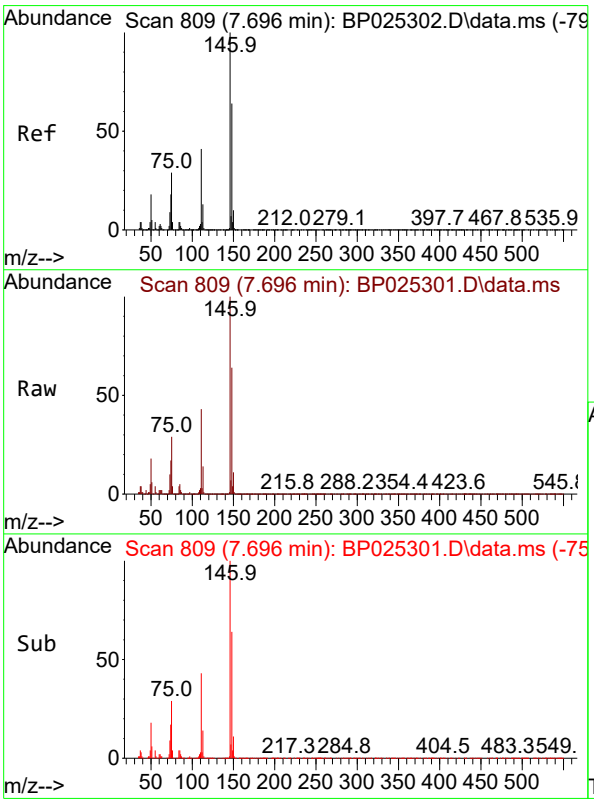
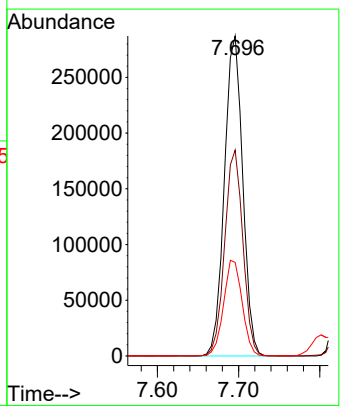
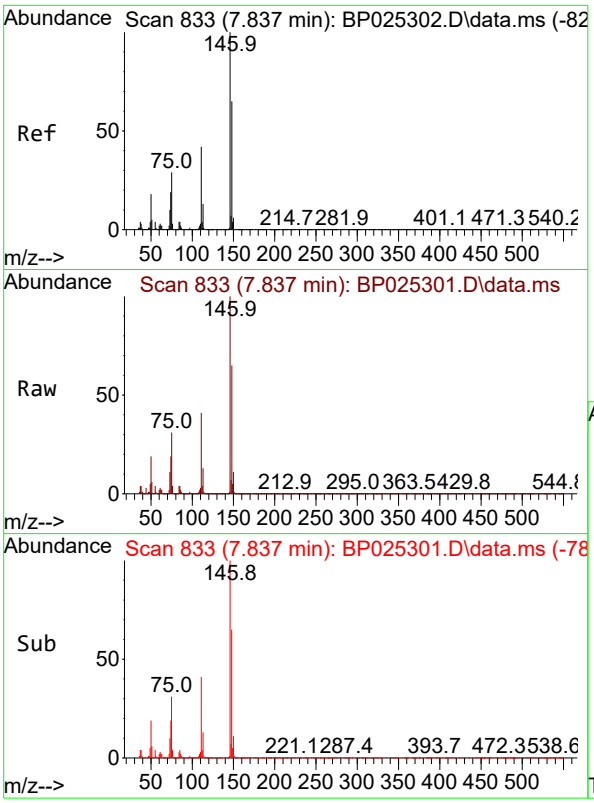


#12
1,3-Dichlorobenzene
Concen: 19.955 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 449548

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.1	76.7
75	29.3	23.2	34.8

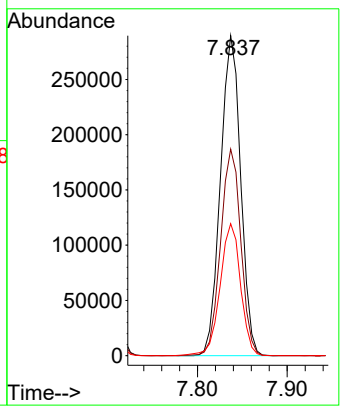




#13
1,4-Dichlorobenzene
Concen: 19.856 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 45255

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	41.3	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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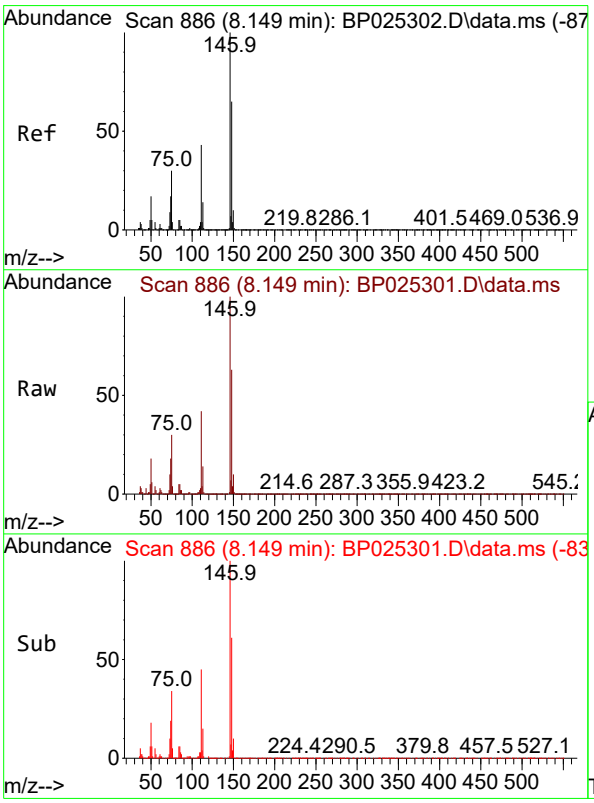
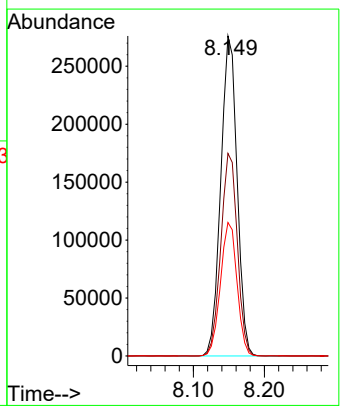
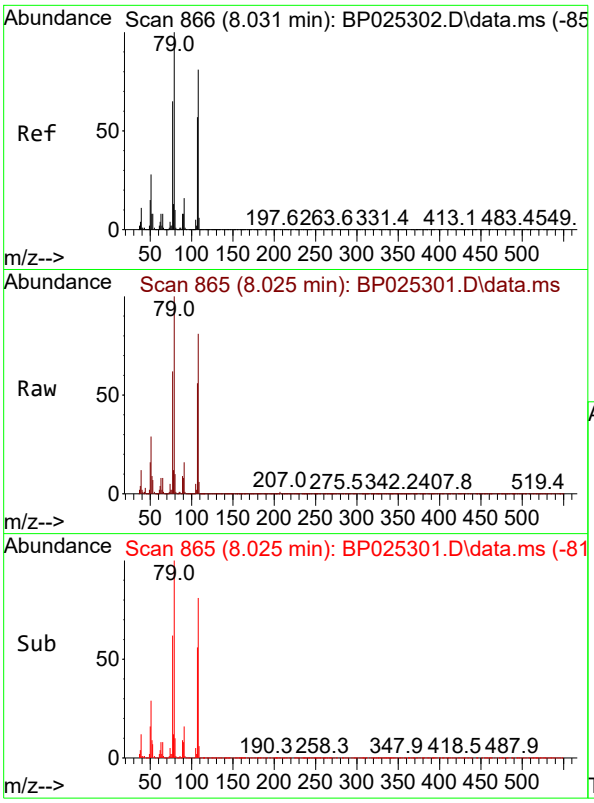


#14
1,2-Dichlorobenzene
Concen: 19.885 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 439038

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	41.7	34.4	51.6





#15
Benzyl Alcohol
Concen: 19.383 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 79 Resp: 36218

Ion	Ratio	Lower	Upper
79	100		
108	81.1	64.5	96.7
77	62.3	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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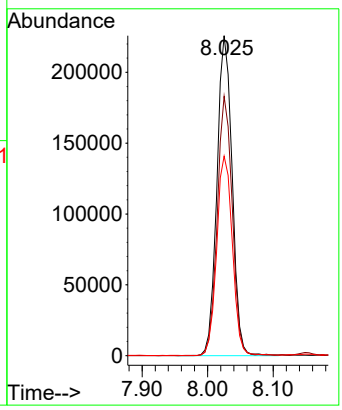
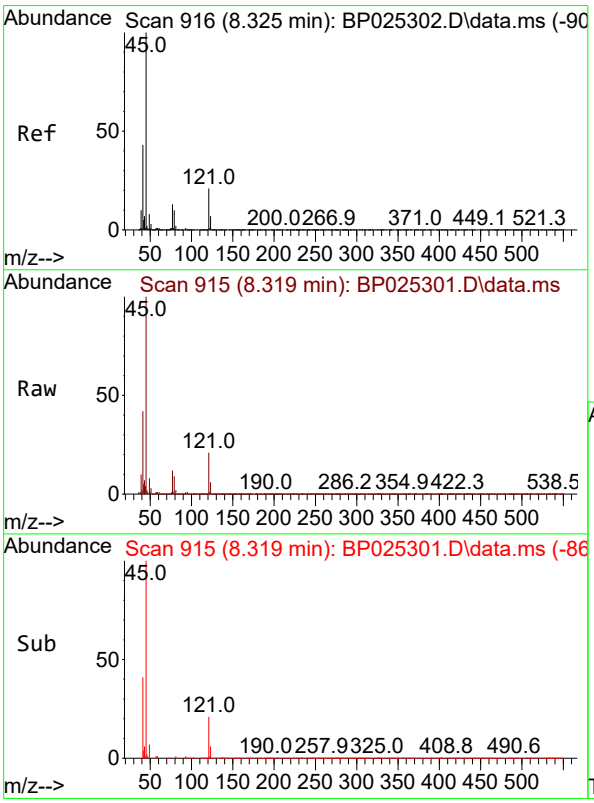
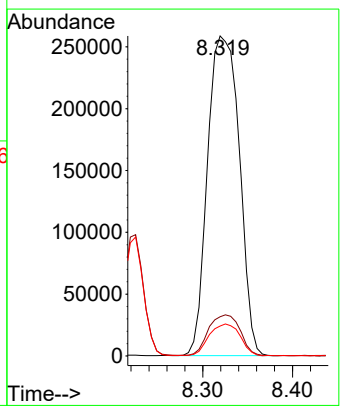


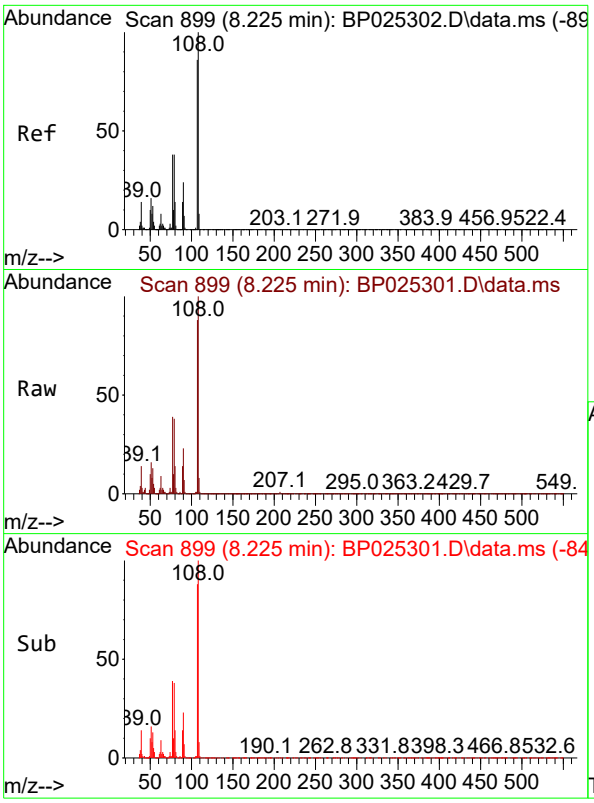


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.920 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 45 Resp: 635912

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	33.0
79	9.3	0.0	29.8

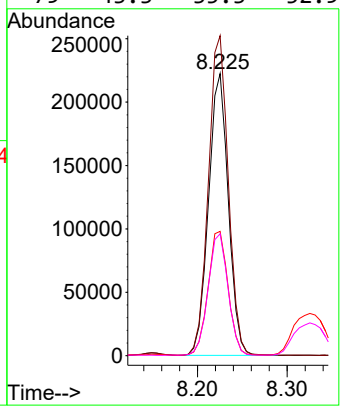




#17
2-Methylphenol
Concen: 19.724 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 34040

Ion	Ratio	Lower	Upper
107	100		
108	113.5	92.6	139.0
77	44.1	35.4	53.2
79	43.3	35.3	52.9



Instrument :
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ClientSampleId :
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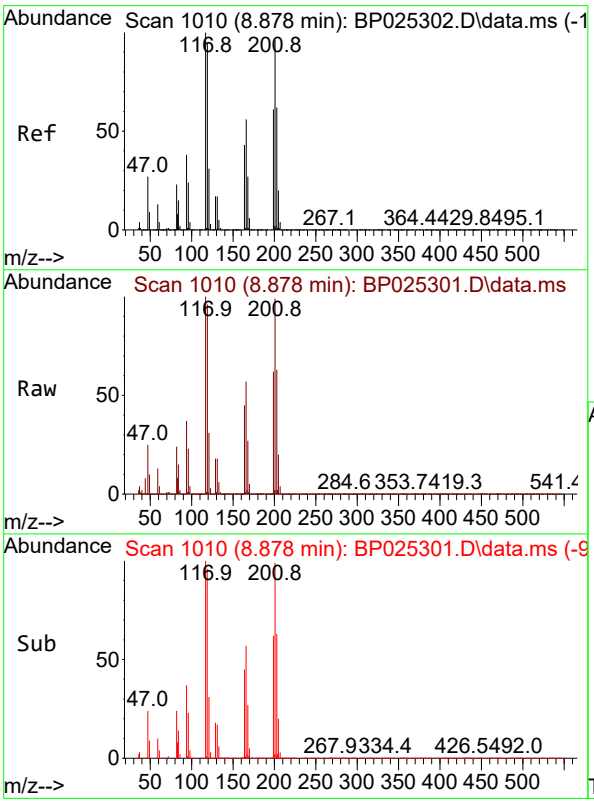
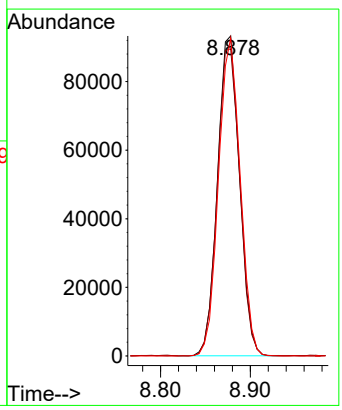
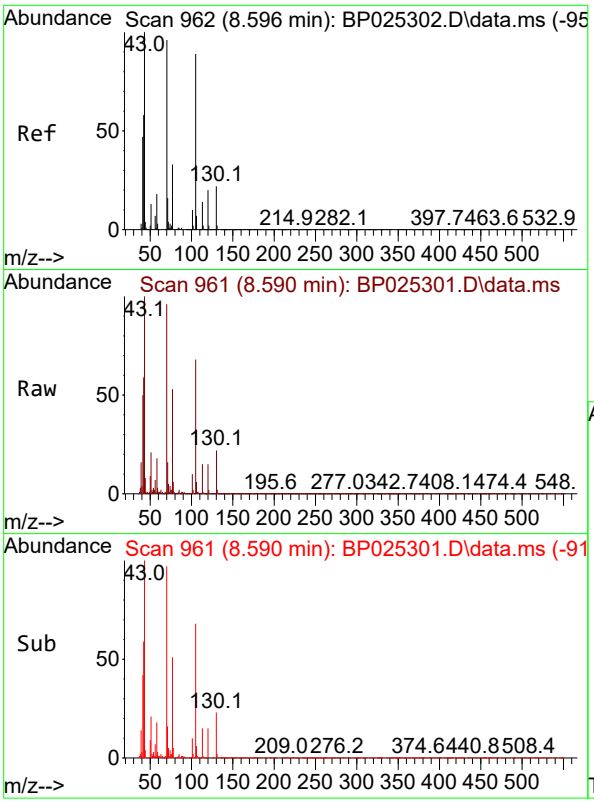


#18
Hexachloroethane
Concen: 19.501 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:117 Resp: 158949

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
201	99.3	76.6	114.8

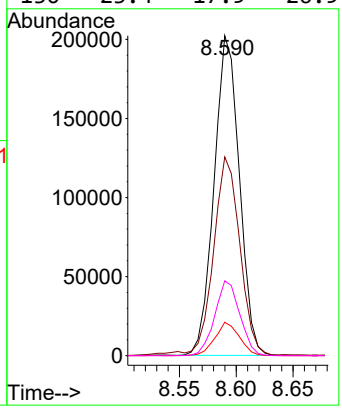




#19
n-Nitroso-di-n-propylamine
Concen: 19.754 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 70 Resp: 31286

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	10.5	7.9	11.9
130	23.4	17.9	26.9



Instrument :
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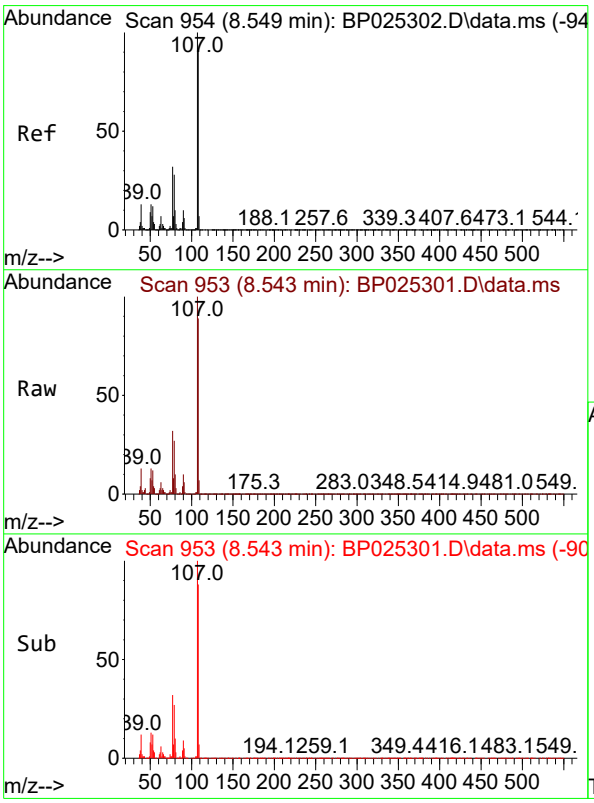
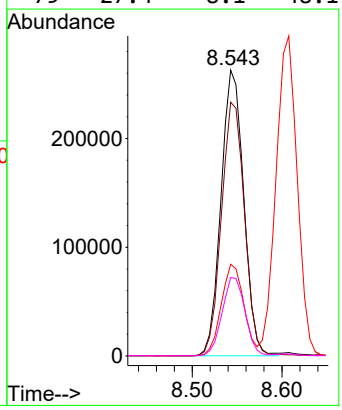
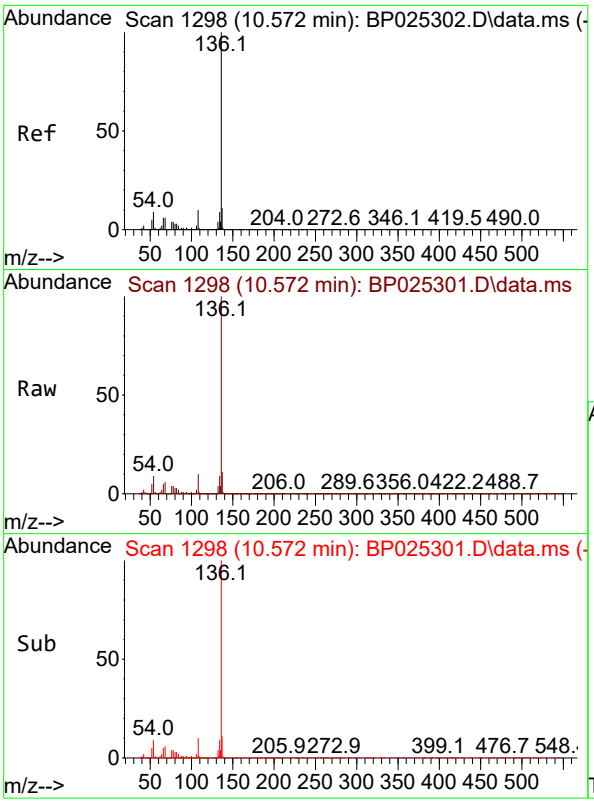


#20
3+4-Methylphenols
Concen: 19.418 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 461472

Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.9	111.9
77	32.1	12.0	52.0
79	27.4	8.1	48.1

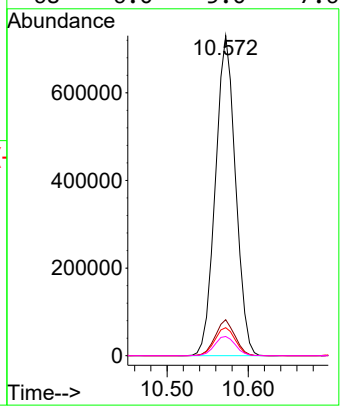




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:136 Resp: 125725

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.0	10.6
68	6.0	5.0	7.6



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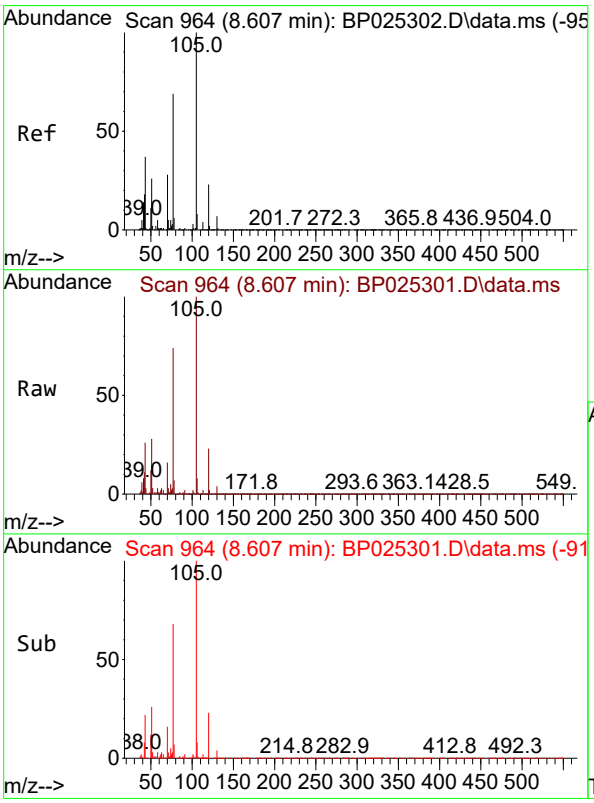
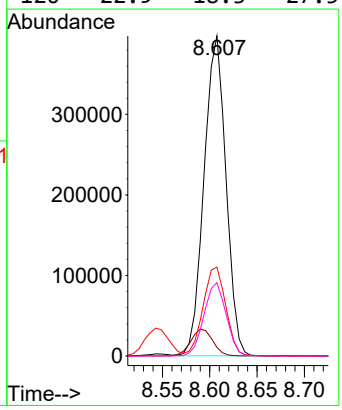
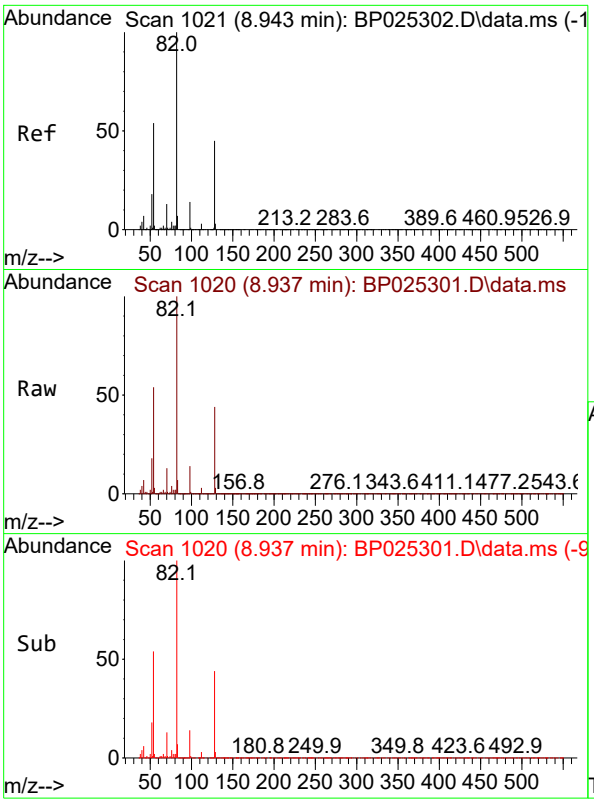


#22
Acetophenone
Concen: 20.296 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:105 Resp: 640590

Ion	Ratio	Lower	Upper
105	100		
71	2.7	4.1	6.1#
51	27.8	22.7	34.1
120	22.9	18.3	27.5

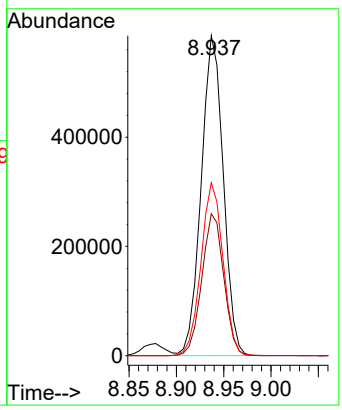




#23
Nitrobenzene-d5
Concen: 40.616 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 82 Resp: 94379

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	54.1	42.9	64.3



Instrument :
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ClientSampleId :
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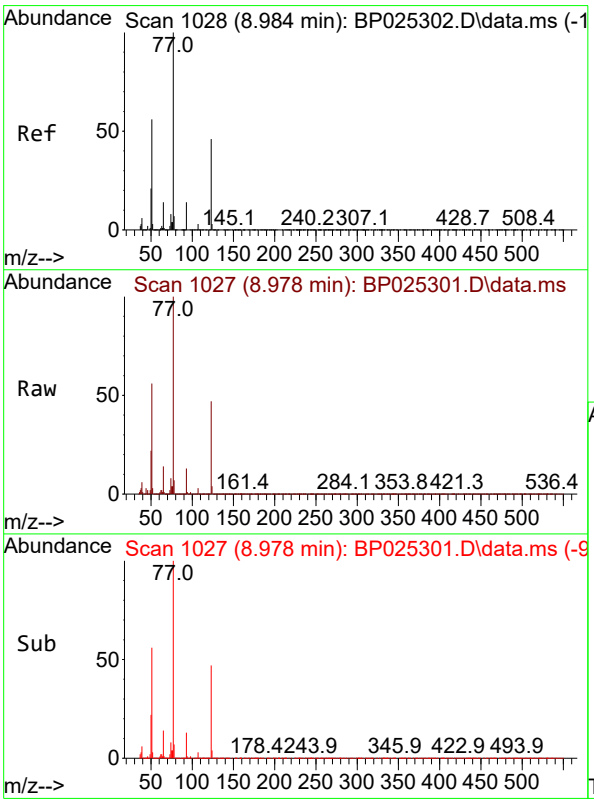
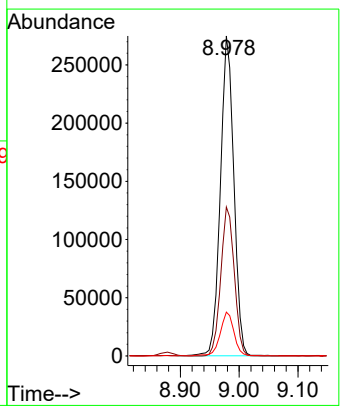
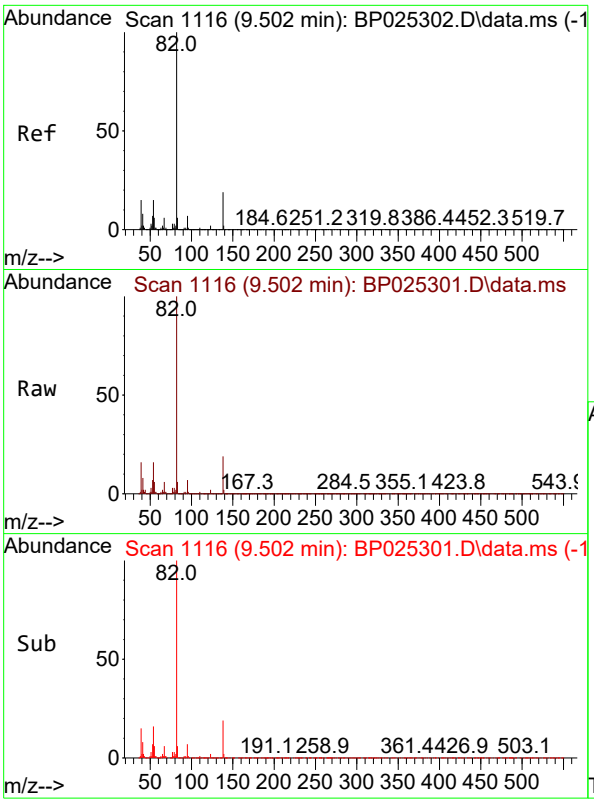


#24
Nitrobenzene
Concen: 20.293 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 435932

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.4	56.2
65	13.7	11.1	16.7

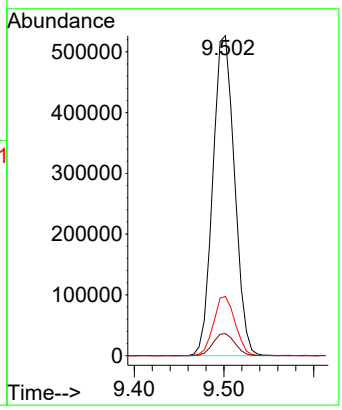




#25
Isophorone
Concen: 19.534 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 82 Resp: 88239

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	18.5	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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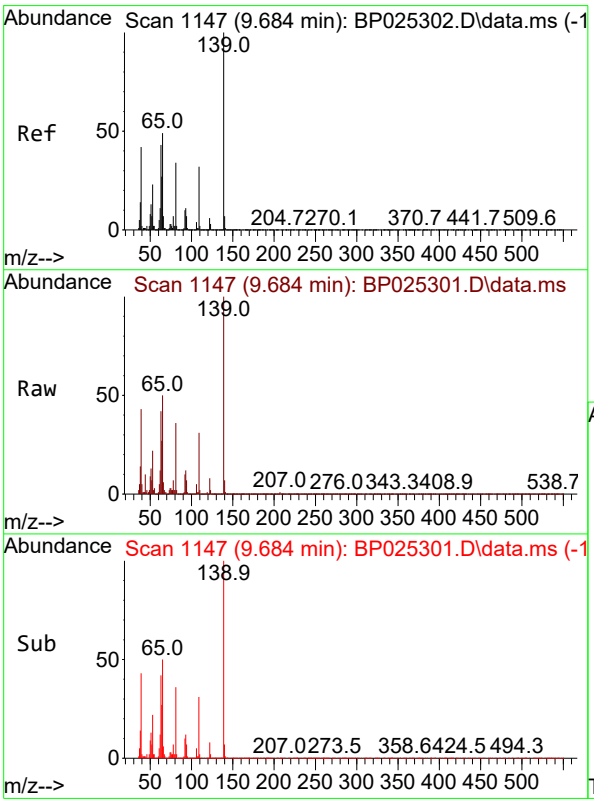
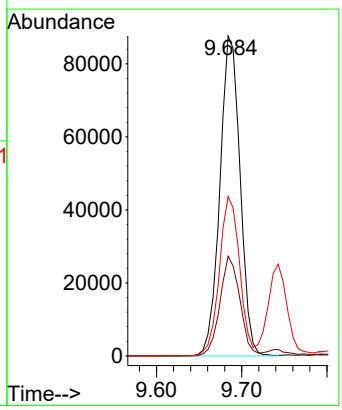
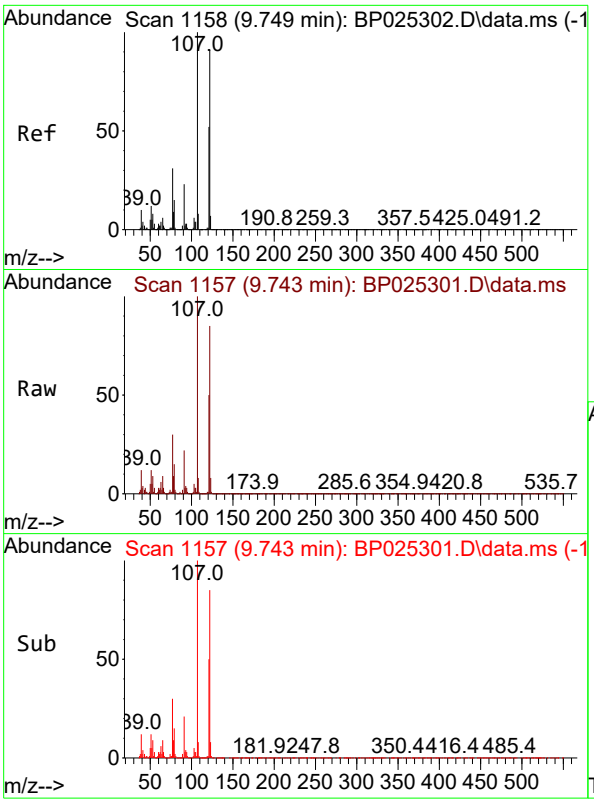


#26
2-Nitrophenol
Concen: 17.898 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 144380

Ion	Ratio	Lower	Upper
139	100		
109	31.2	25.2	37.8
65	49.8	39.6	59.4

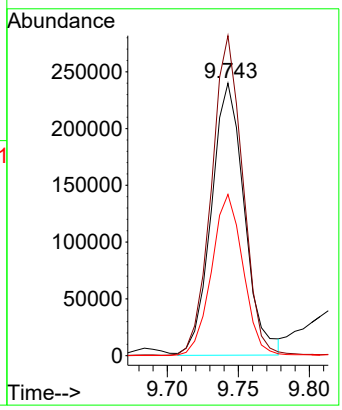




#27
2,4-Dimethylphenol
Concen: 18.591 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:122 Resp: 38718

Ion	Ratio	Lower	Upper
122	100		
107	117.4	87.4	131.0
121	59.2	45.8	68.8



Instrument :
BNA_P
ClientSampleId :
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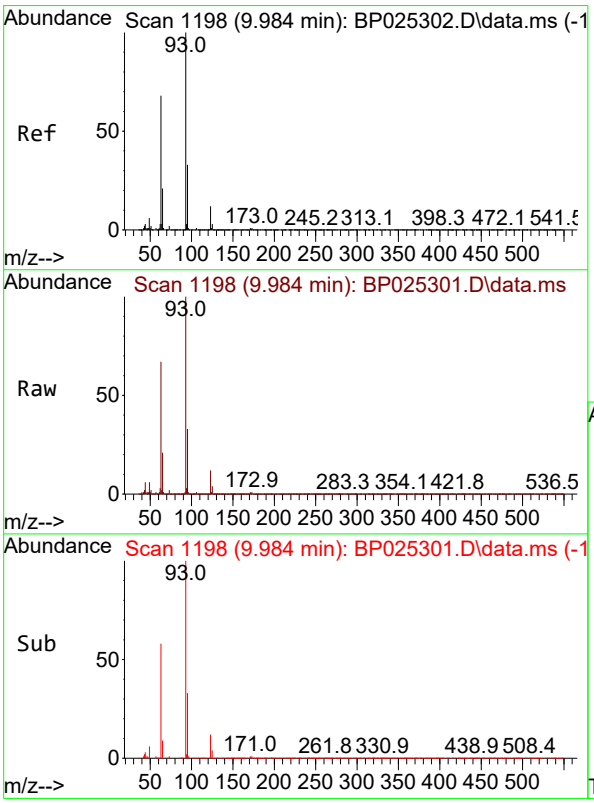
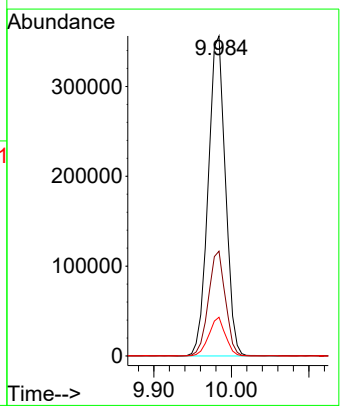
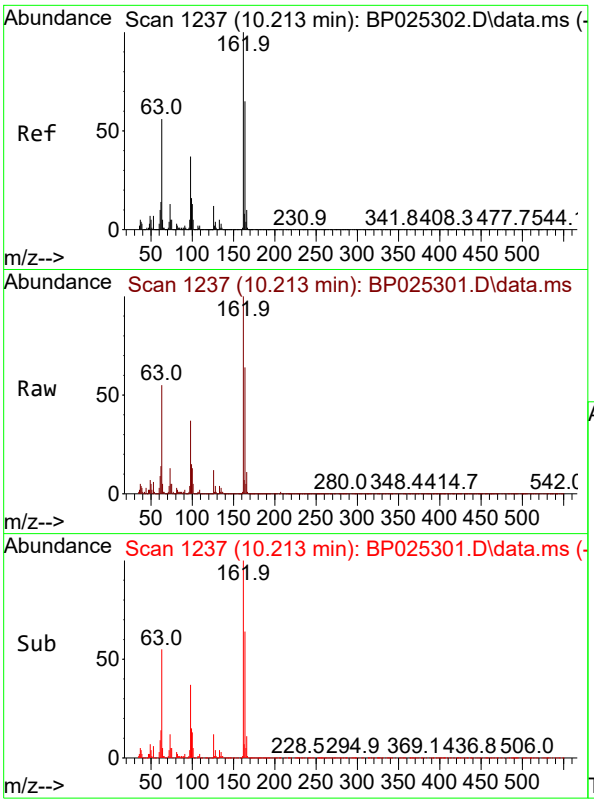


#28
bis(2-Chloroethoxy)methane
Concen: 19.991 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 549341

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	12.1	9.4	14.2

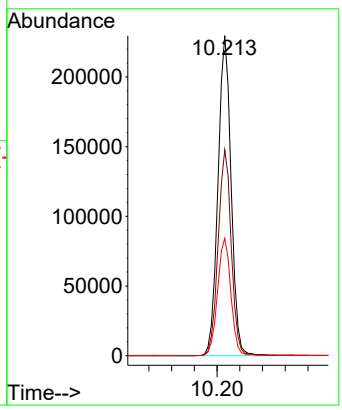




#29
2,4-Dichlorophenol
Concen: 20.210 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:162 Resp: 36849

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.2	85.2
98	36.6	17.5	57.5



Instrument :
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ClientSampleId :
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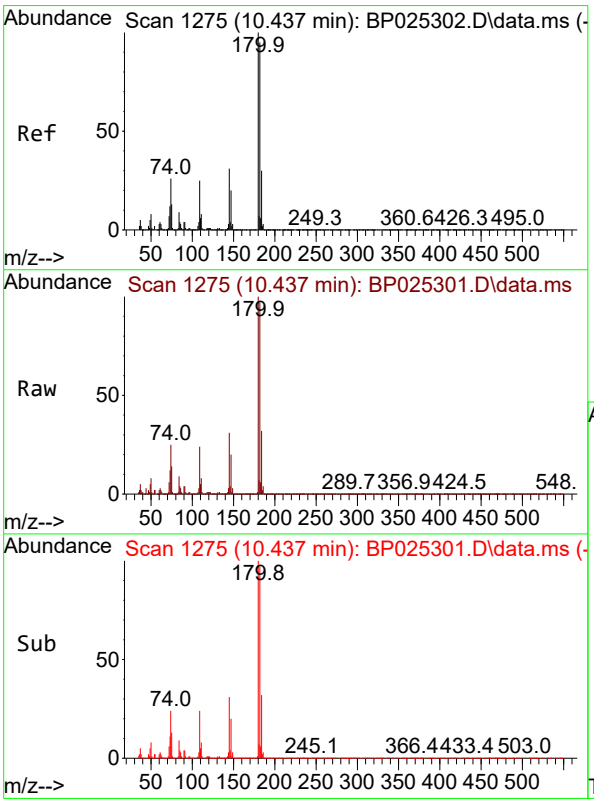
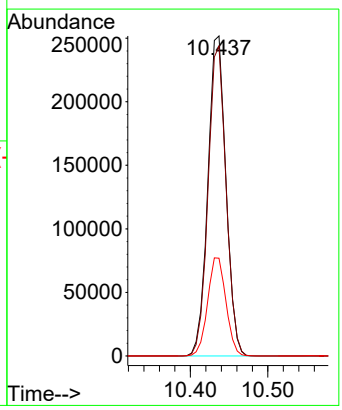
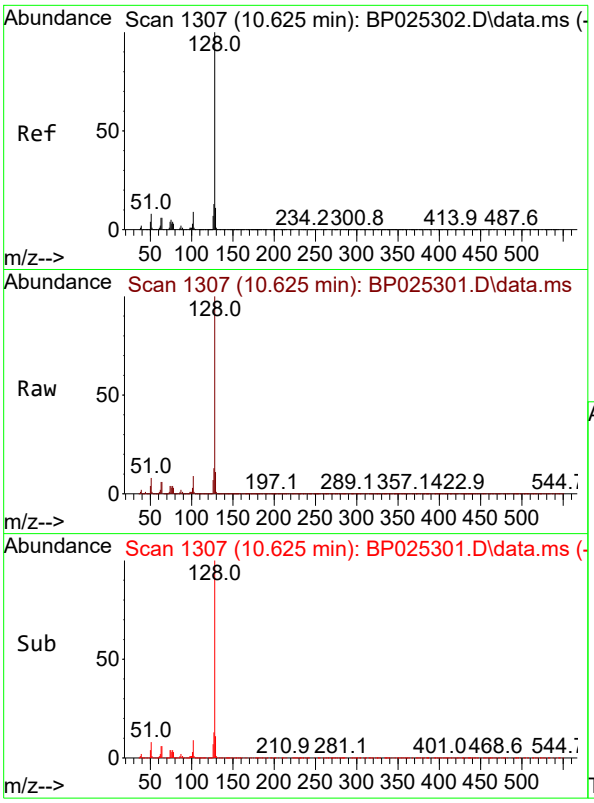


#30
1,2,4-Trichlorobenzene
Concen: 20.272 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:180 Resp: 407796

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.8
145	30.5	25.0	37.4

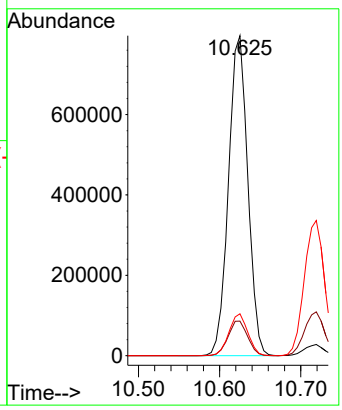




#31
Naphthalene
Concen: 20.119 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:128 Resp: 131311

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.1	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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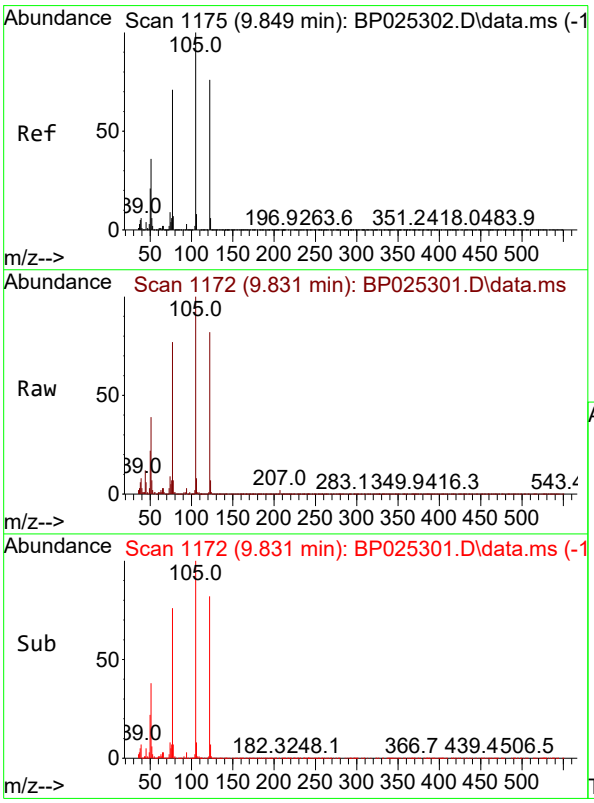
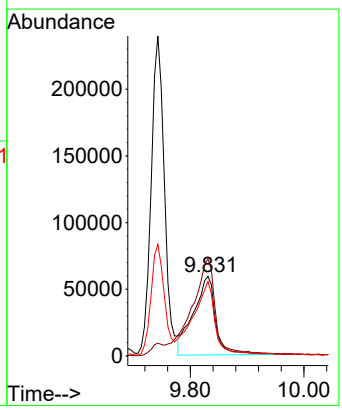
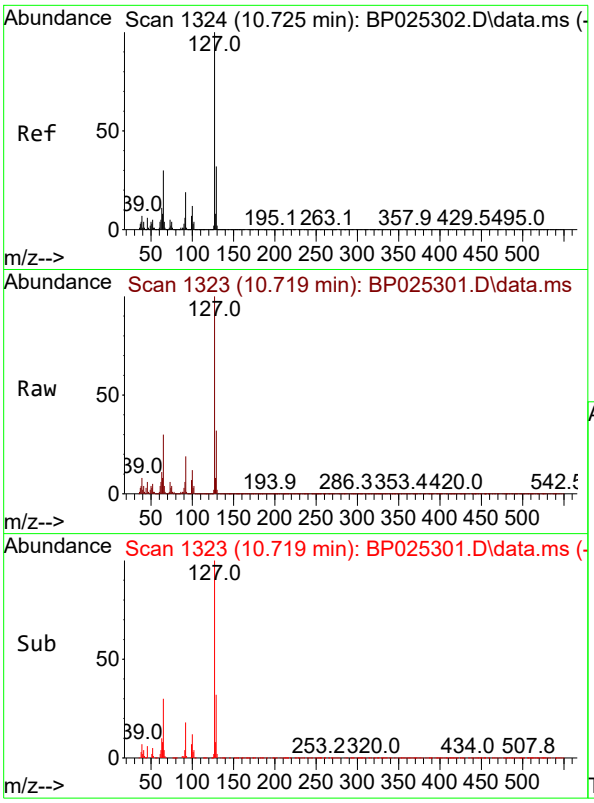


#32
Benzoic acid
Concen: 19.976 ng
RT: 9.831 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:122 Resp: 159597

Ion	Ratio	Lower	Upper
122	100		
105	122.2	104.0	144.0
77	93.5	71.8	111.8

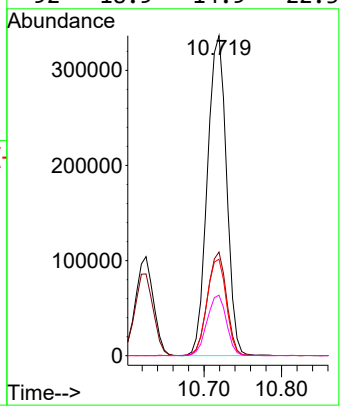




#33
4-Chloroaniline
Concen: 19.913 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:127 Resp: 57803

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	30.2	23.6	35.4
92	18.9	14.9	22.3



Instrument :
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ClientSampleId :
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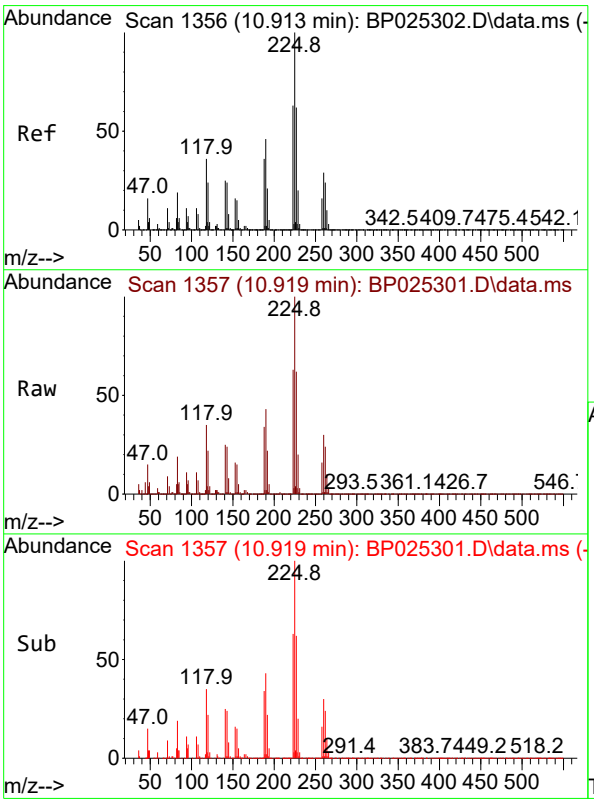
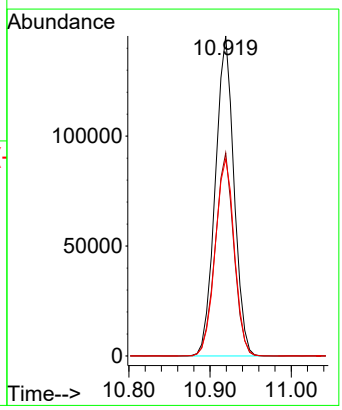
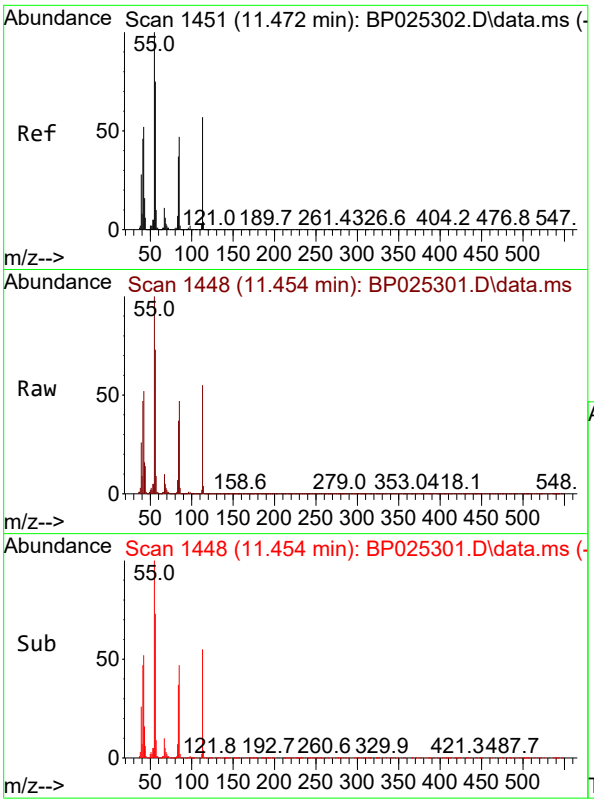


#34
Hexachlorobutadiene
Concen: 20.177 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:225 Resp: 232981

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	61.5	49.7	74.5

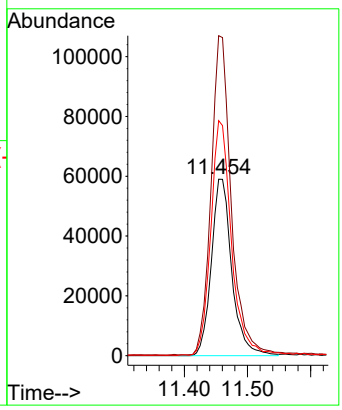




#35
Caprolactam
Concen: 18.704 ng
RT: 11.454 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:113 Resp: 13259

Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.4	194.4
56	133.2	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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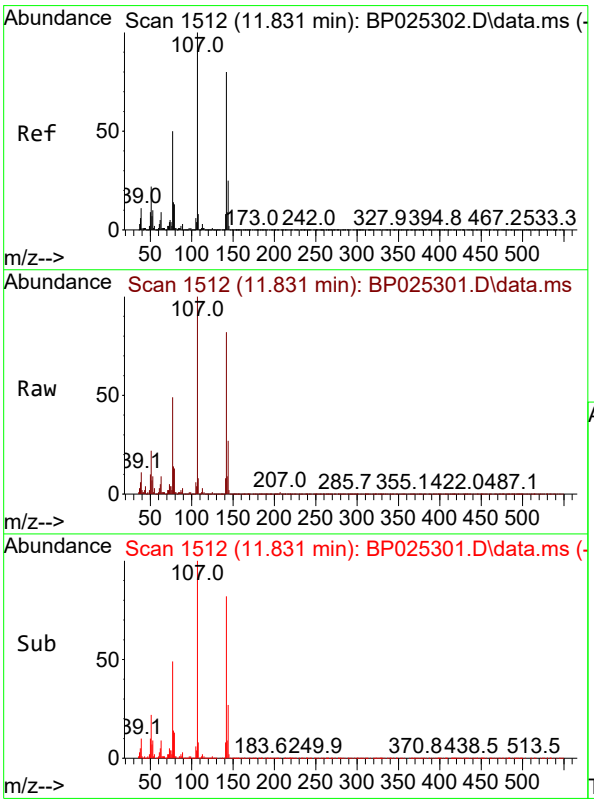
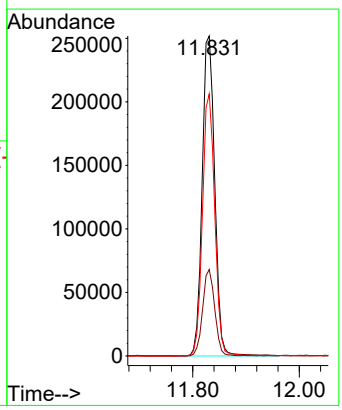
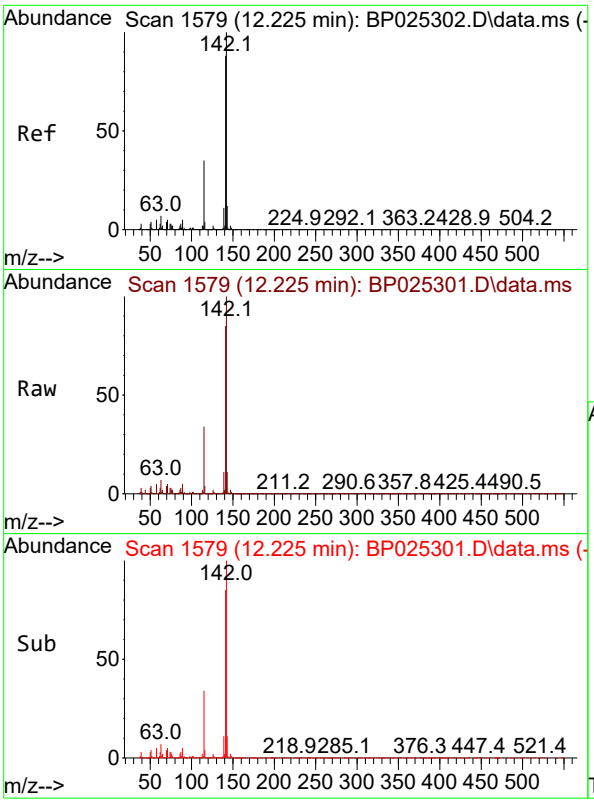


#36
4-Chloro-3-methylphenol
Concen: 19.468 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 410728

Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.4	30.6
142	81.9	63.7	95.5

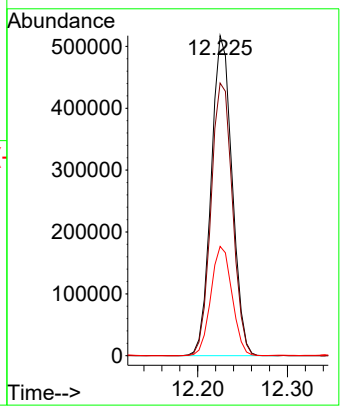




#37
2-Methylnaphthalene
Concen: 19.794 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:142 Resp: 83618

Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.4	105.6
115	34.2	28.0	42.0



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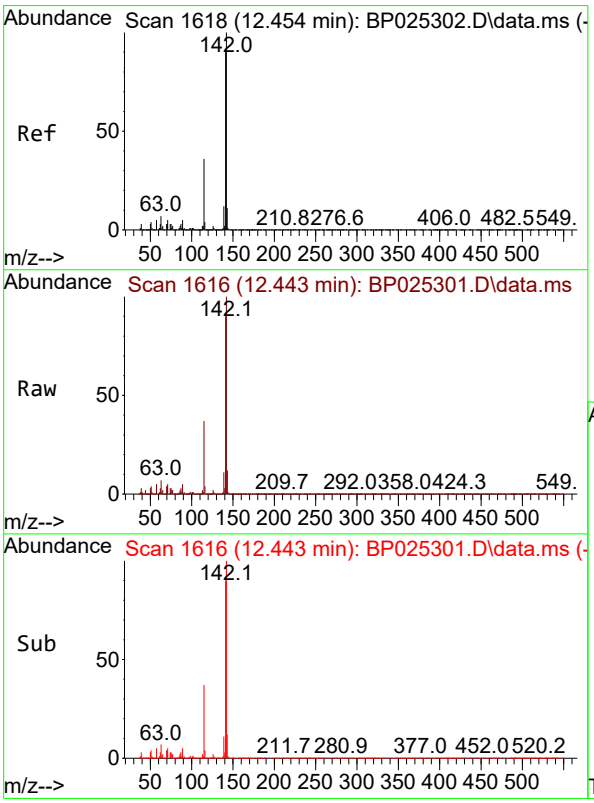
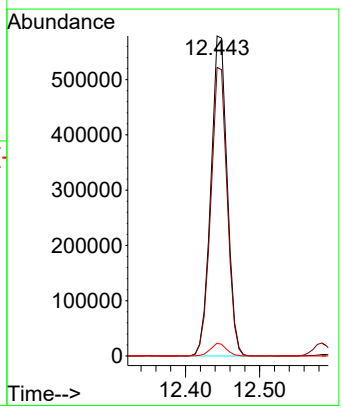
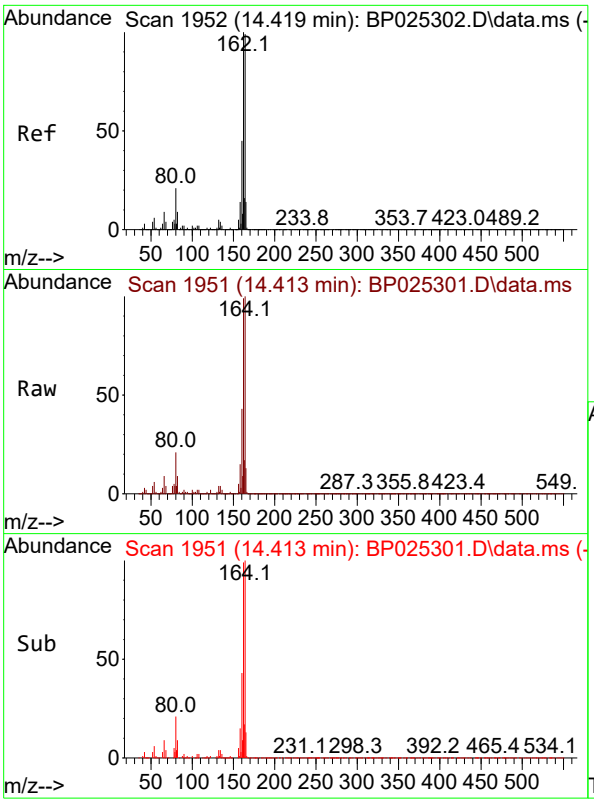


#38
1-Methylnaphthalene
Concen: 20.058 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:142 Resp: 884130

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	4.0	3.0	4.6

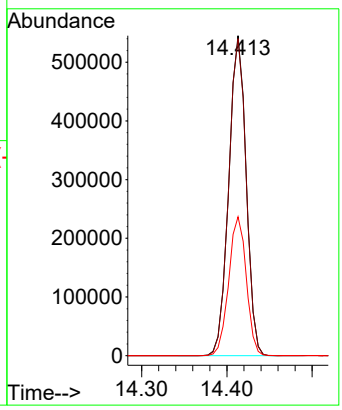




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:164 Resp: 77274

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	43.4	35.9	53.9



Instrument :
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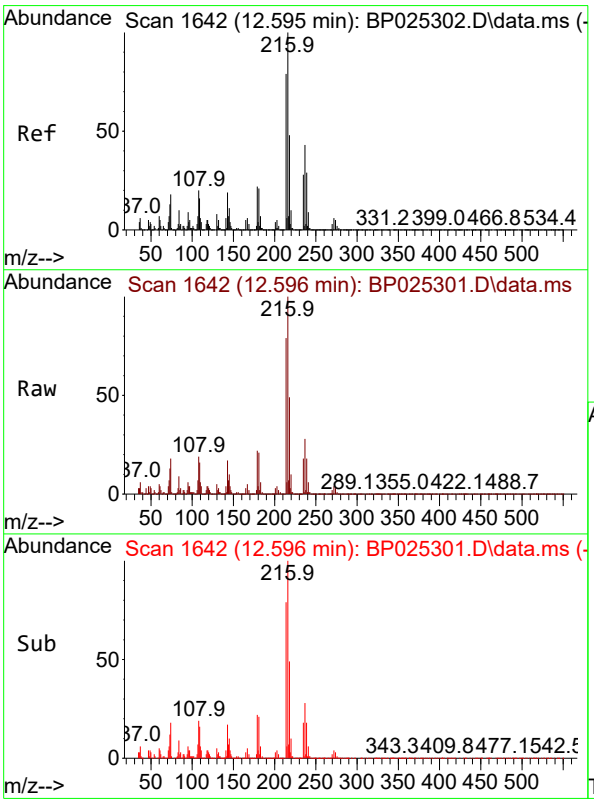
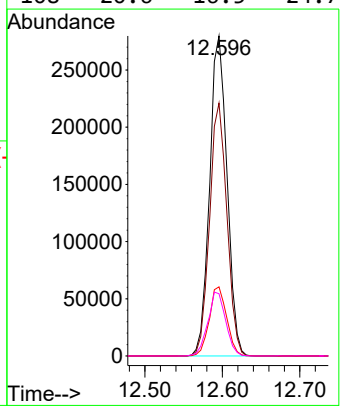
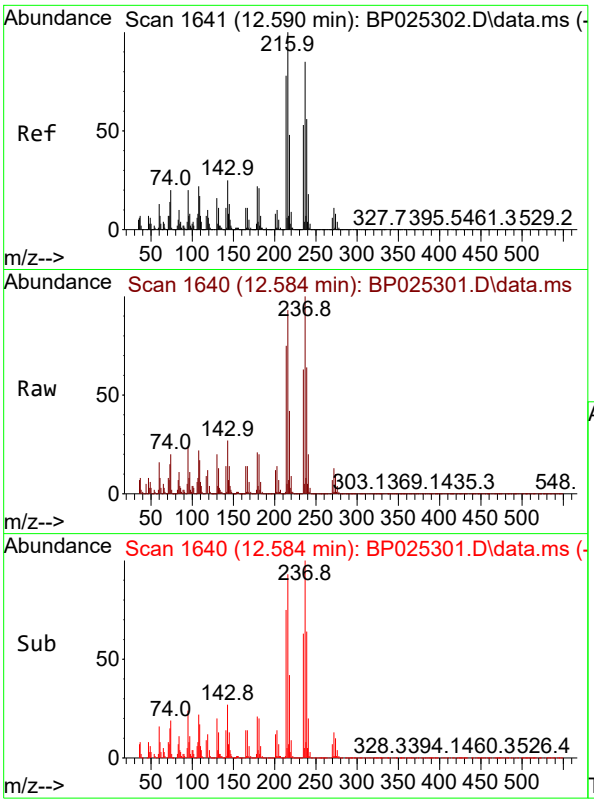


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.666 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:216 Resp: 435991

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	21.7	17.5	26.3
108	20.6	16.5	24.7

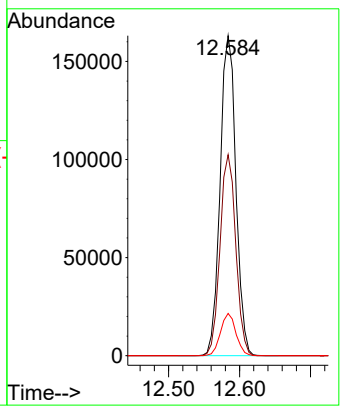




#41
Hexachlorocyclopentadiene
Concen: 19.234 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:237 Resp: 25044

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.2	82.2
272	13.2	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
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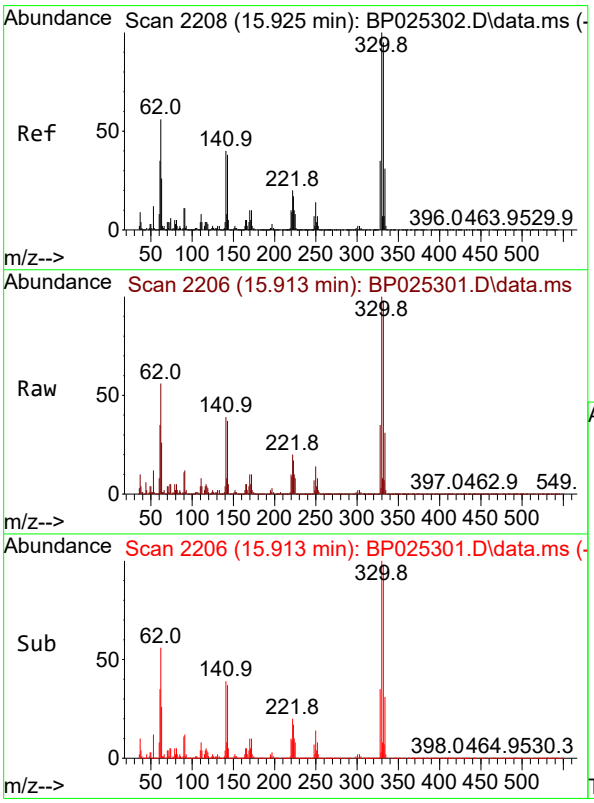
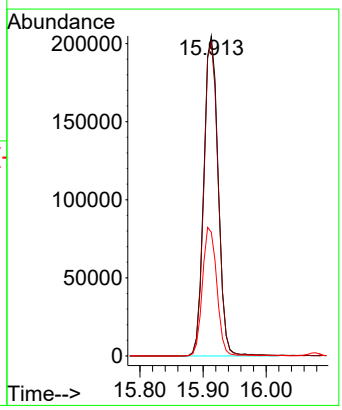
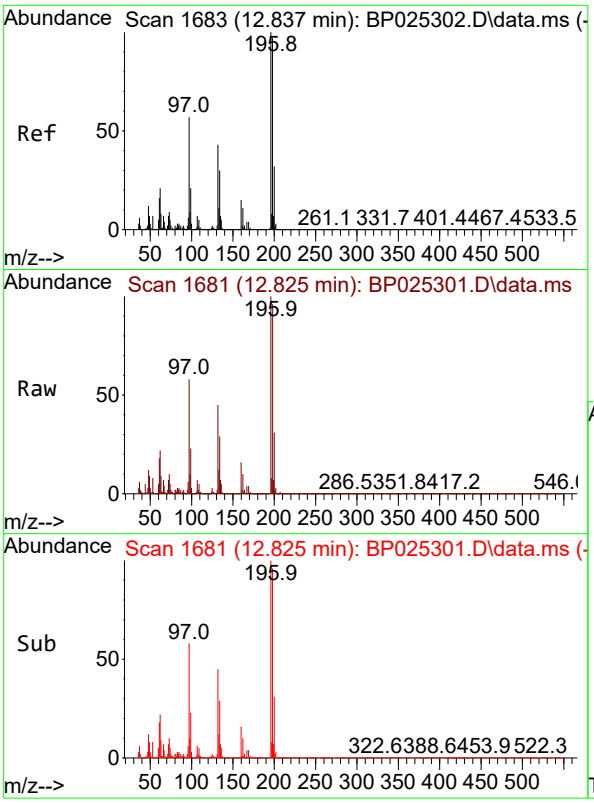


#42
2,4,6-Tribromophenol
Concen: 40.747 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:330 Resp: 325099

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	40.2	31.7	47.5





#43
2,4,6-Trichlorophenol
Concen: 20.330 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:196 Resp: 27707

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.3	115.9
200	31.5	25.4	38.2

Instrument :
BNA_P
ClientSampleId :
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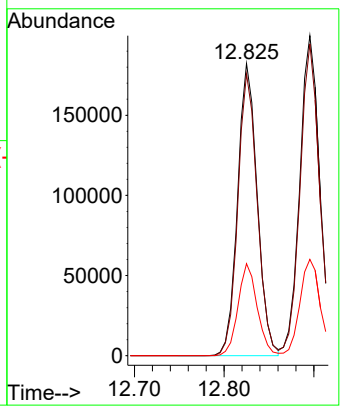
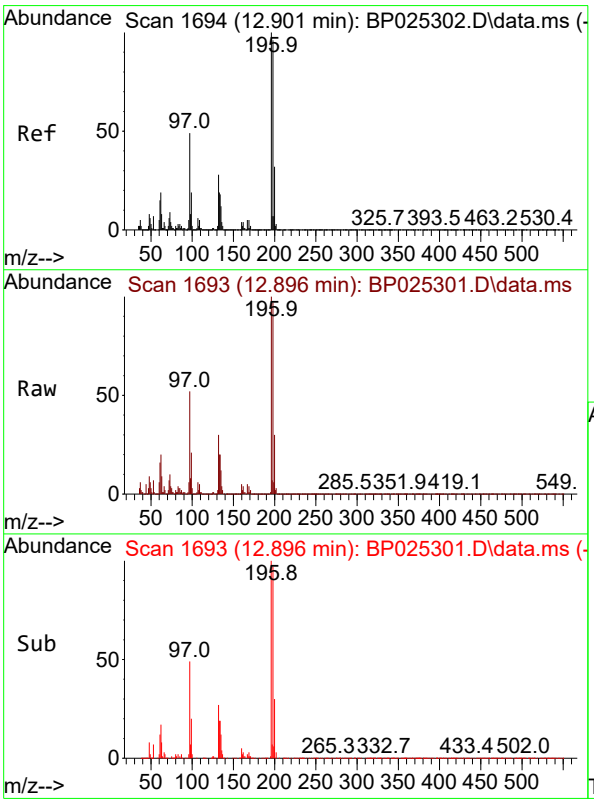
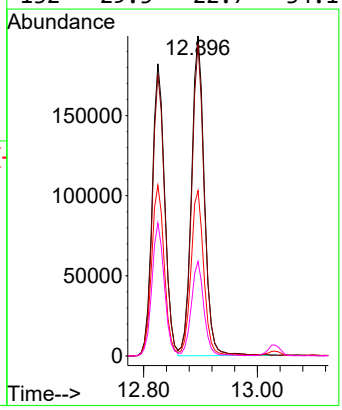


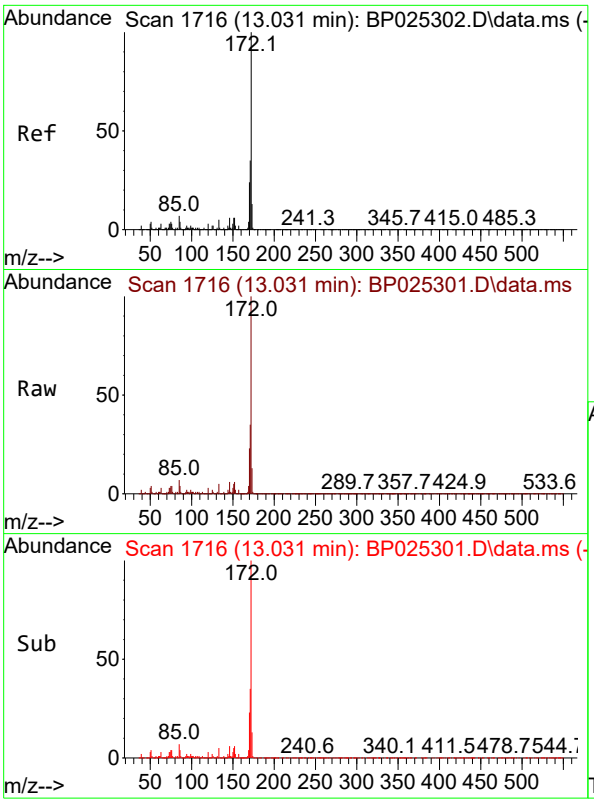


#44
2,4,5-Trichlorophenol
Concen: 20.622 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:196 Resp: 315277

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.6	114.8
97	51.7	39.5	59.3
132	29.5	22.7	34.1

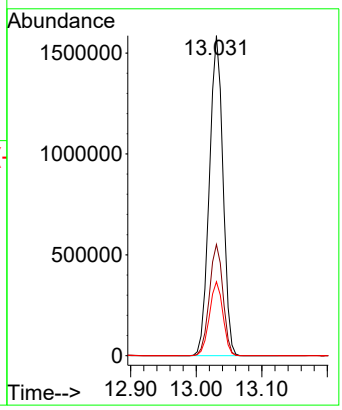




#45
2-Fluorobiphenyl
Concen: 41.076 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:172 Resp: 228583

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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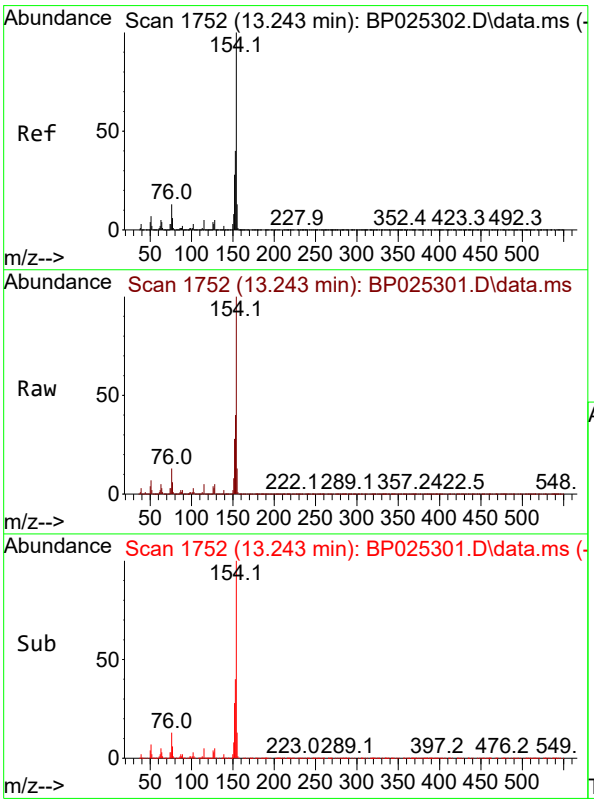
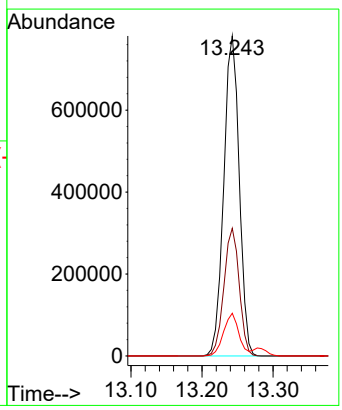
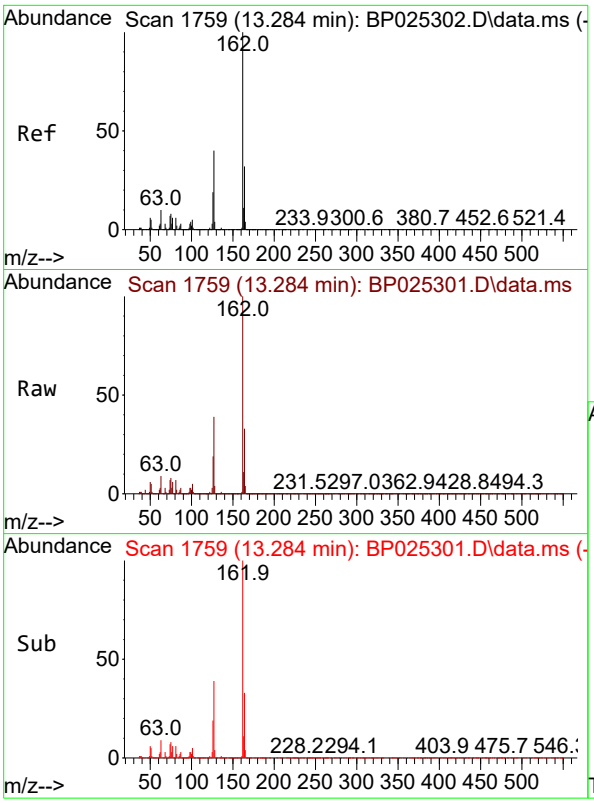


#46
1,1'-Biphenyl
Concen: 20.684 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 1177906

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.3	0.0	33.2

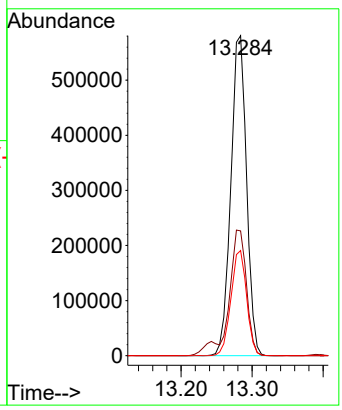




#47
2-Chloronaphthalene
Concen: 20.570 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:162 Resp: 89370

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.2	48.2
164	32.8	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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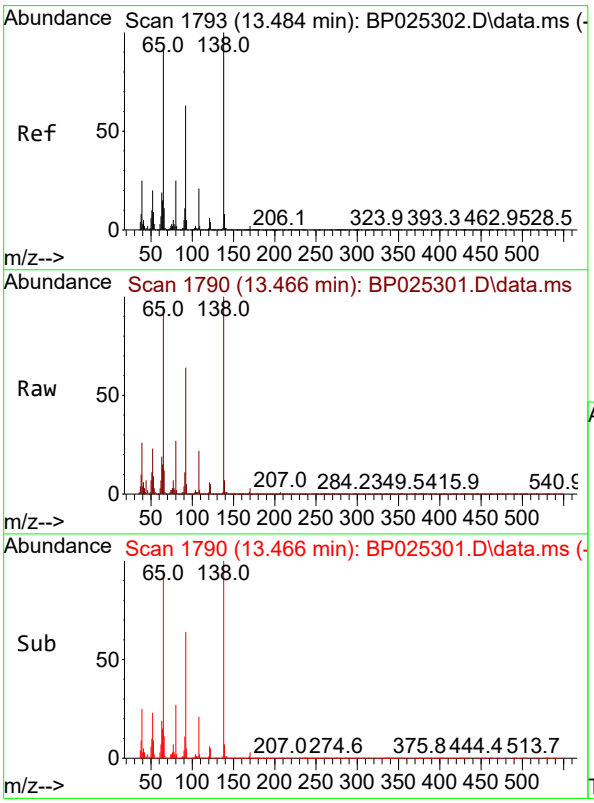
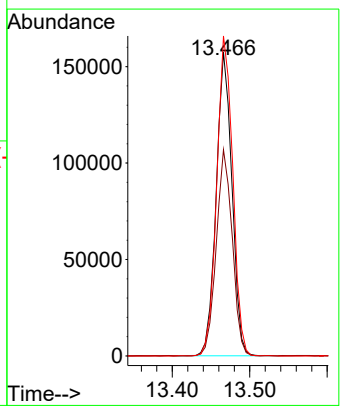
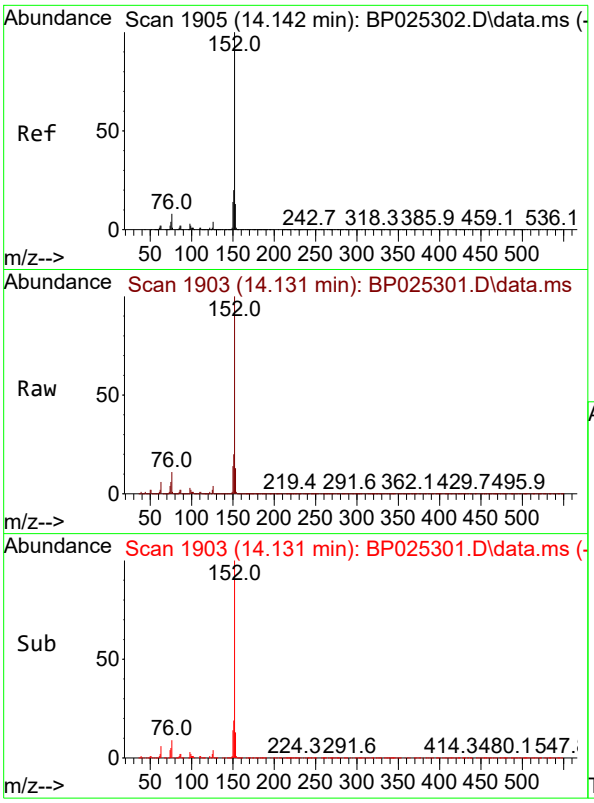


#48
2-Nitroaniline
Concen: 19.318 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 65 Resp: 221835

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.4	81.6
138	105.4	87.0	130.4

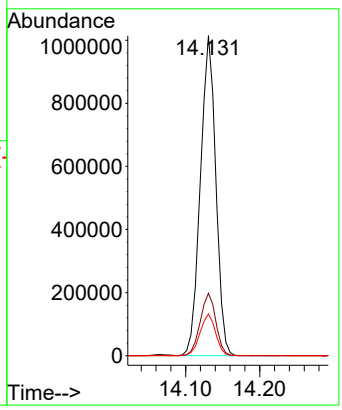




#49
Acenaphthylene
Concen: 20.274 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:152 Resp: 146927

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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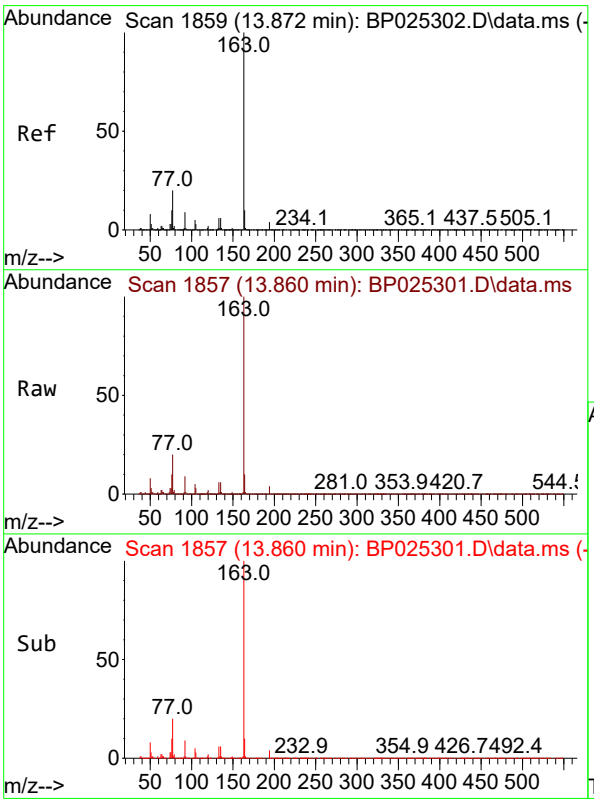
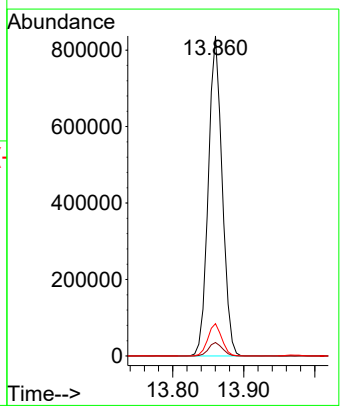
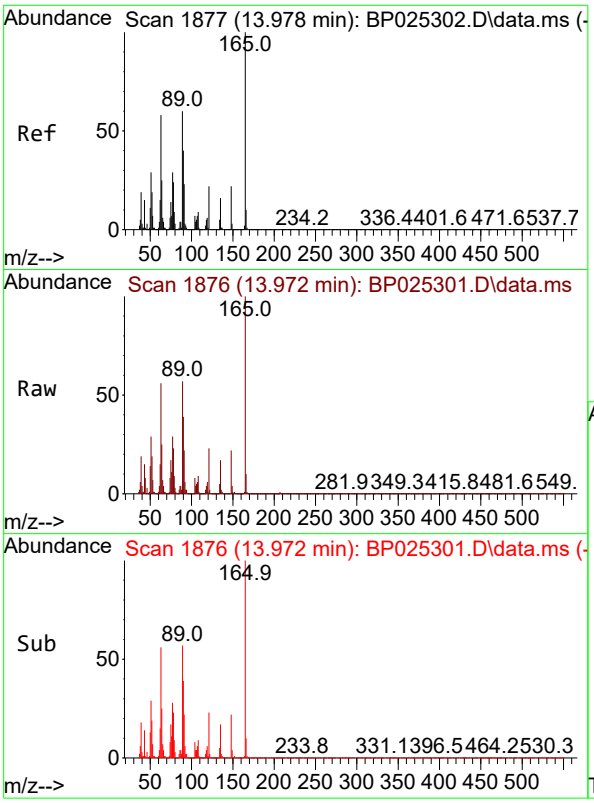


#50
Dimethylphthalate
Concen: 20.169 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:163 Resp: 1136145

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 20.669 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:165 Resp: 21476

Ion	Ratio	Lower	Upper
165	100		
63	56.1	47.6	71.4
89	57.1	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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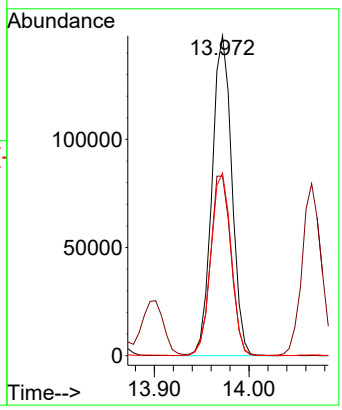
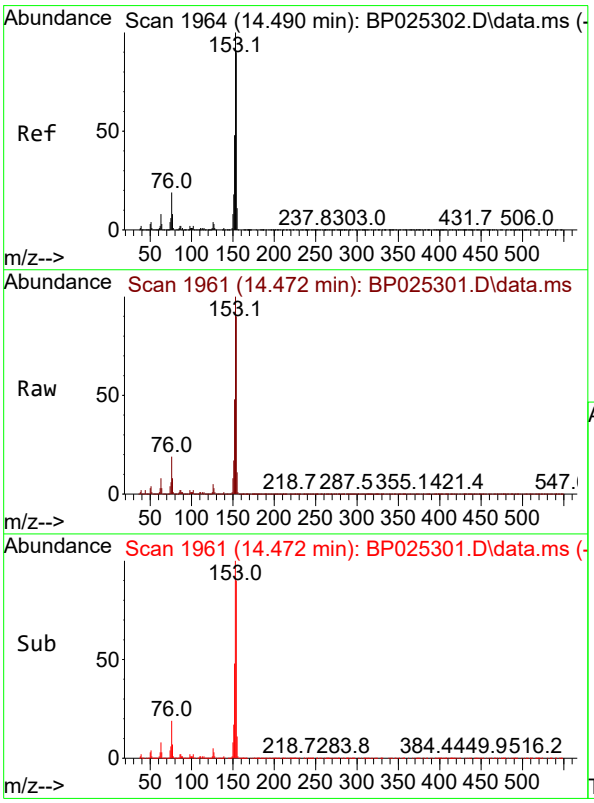
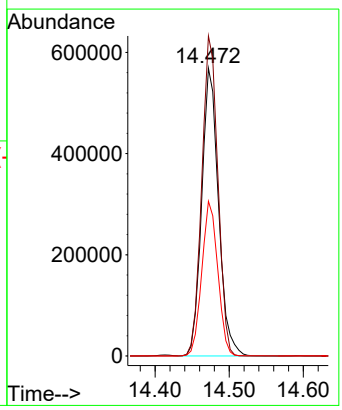


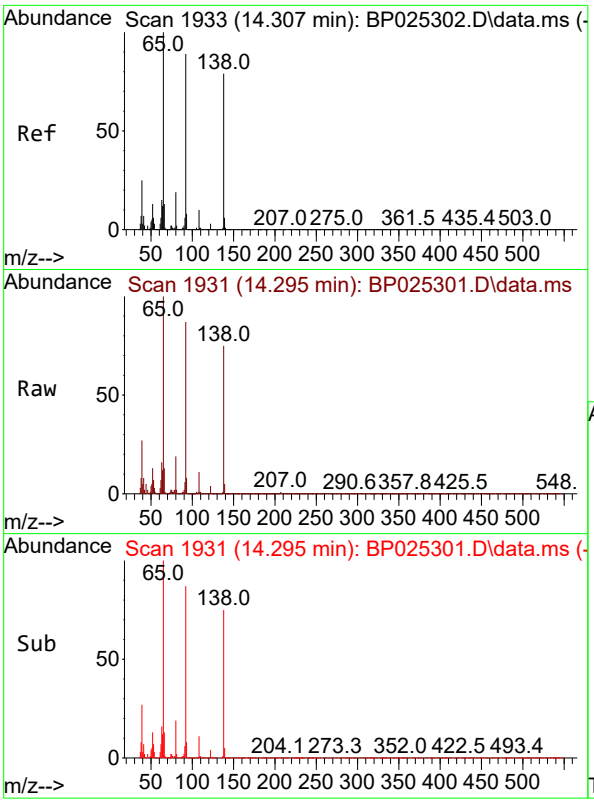


#52
Acenaphthene
Concen: 20.209 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 893336

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.4	134.0
152	53.8	43.0	64.6

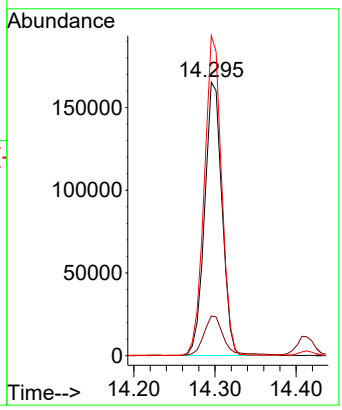




#53
3-Nitroaniline
Concen: 20.146 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:138 Resp: 24494

Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.5	15.7
92	117.0	90.9	136.3



Instrument :
BNA_P
ClientSampleId :
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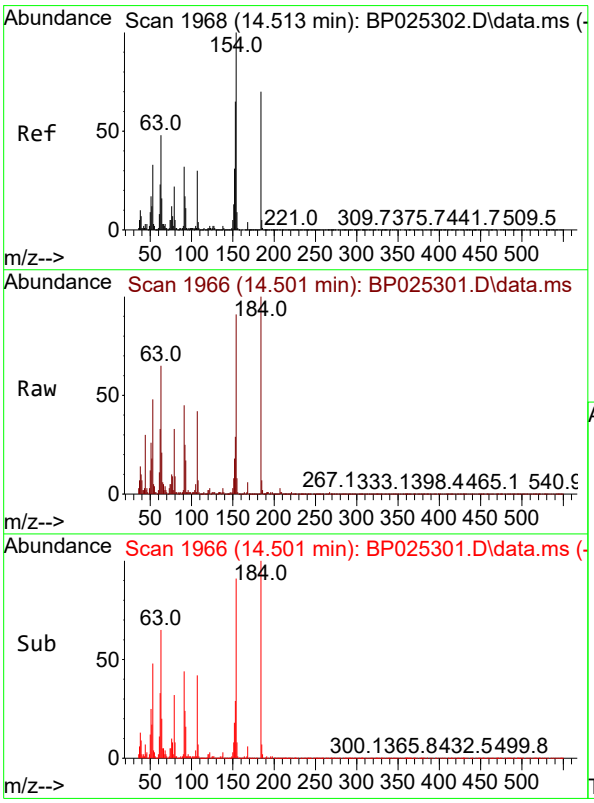
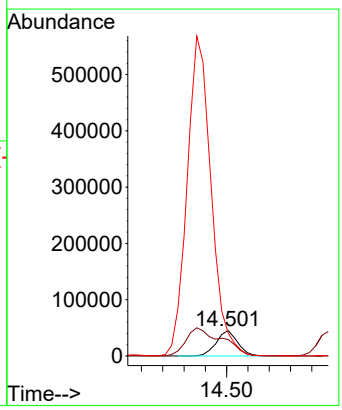
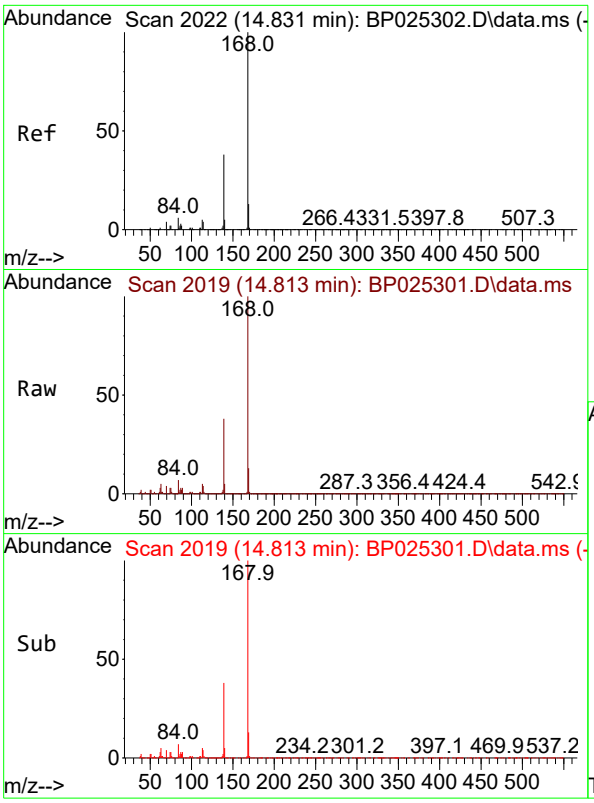


#54
2,4-Dinitrophenol
Concen: 20.728 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:184 Resp: 62185

Ion	Ratio	Lower	Upper
184	100		
63	65.0	56.3	84.5
154	91.0	124.5	186.7#

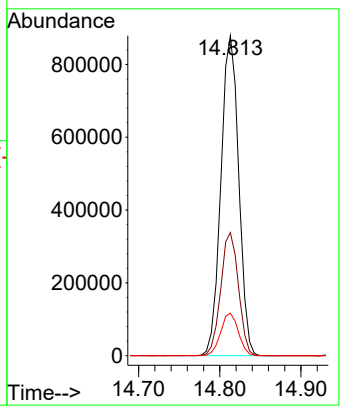




#55
Dibenzofuran
Concen: 20.295 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:168 Resp: 134067

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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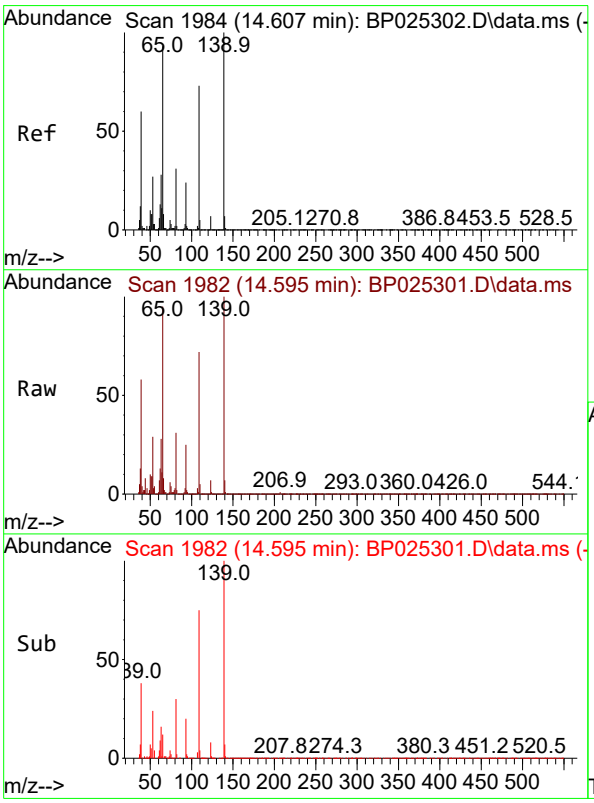
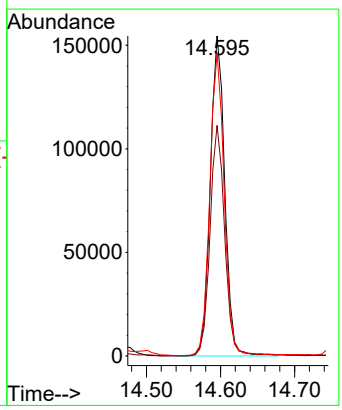
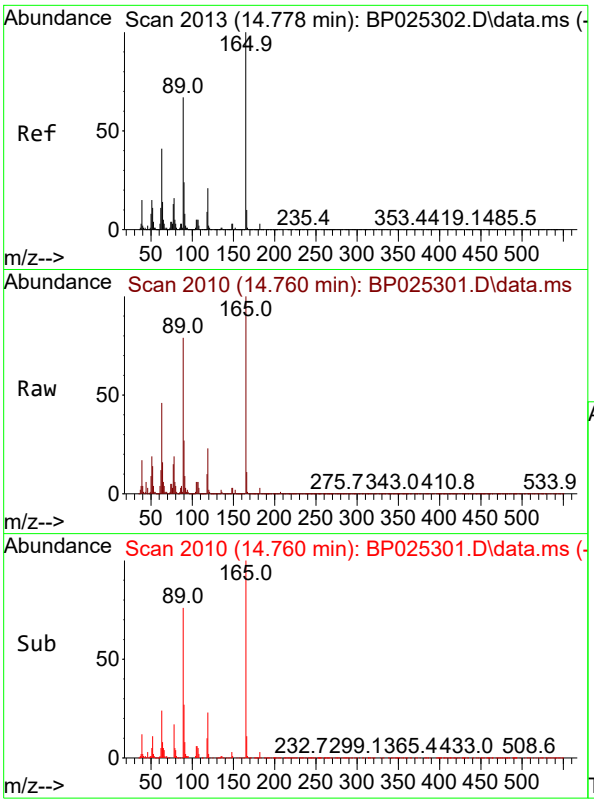


#56
4-Nitrophenol
Concen: 19.428 ng
RT: 14.595 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 208471

Ion	Ratio	Lower	Upper
139	100		
109	72.0	52.7	92.7
65	94.6	73.4	113.4

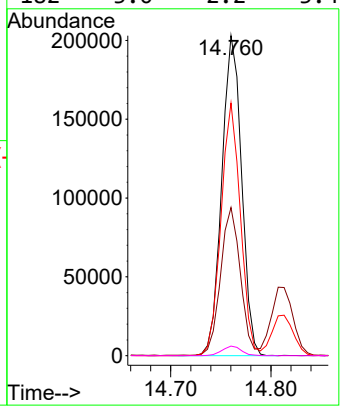




#57
2,4-Dinitrotoluene
Concen: 19.379 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:165 Resp: 27860

Ion	Ratio	Lower	Upper
165	100		
63	46.3	33.2	49.8
89	78.9	53.5	80.3
182	3.0	2.2	3.4



Instrument :
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ClientSampleId :
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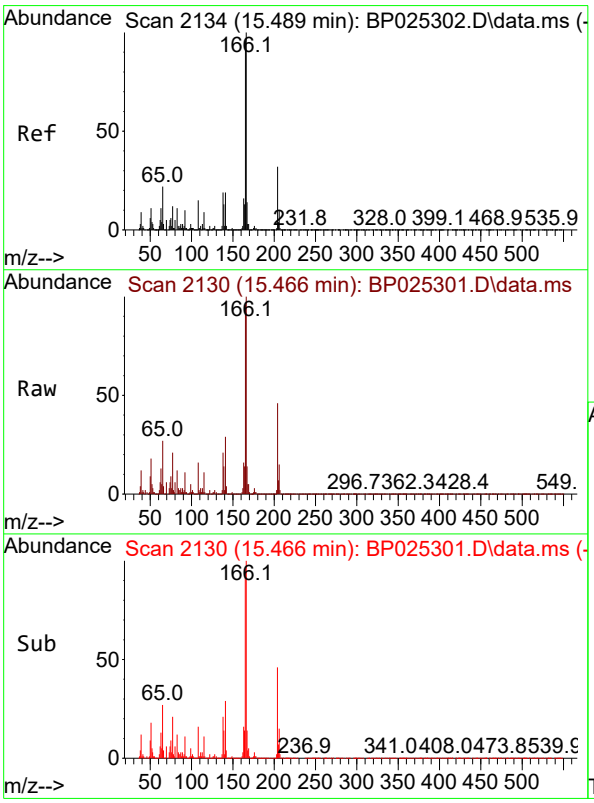
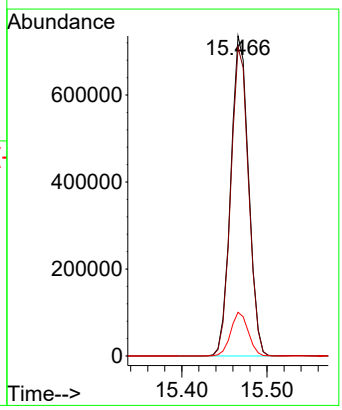
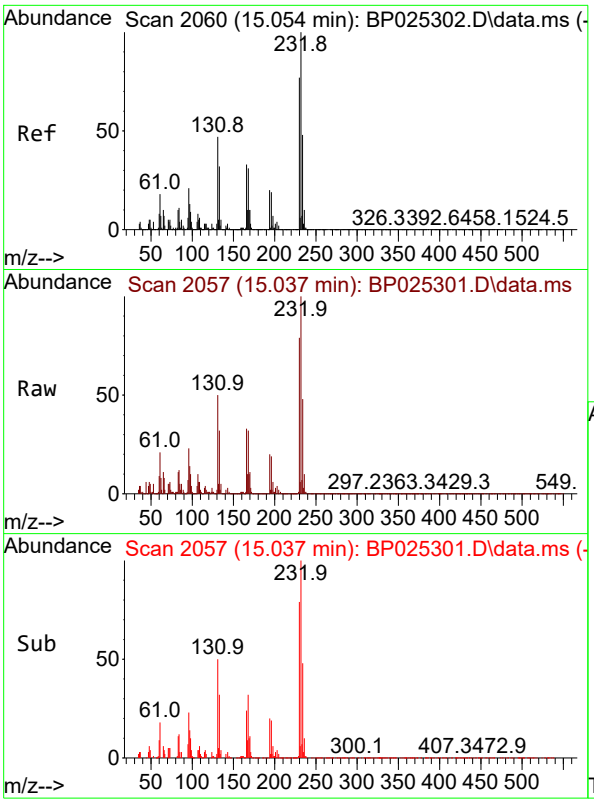


#58
Fluorene
Concen: 20.540 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:166 Resp: 1065702

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.7	115.1
167	13.7	10.9	16.3

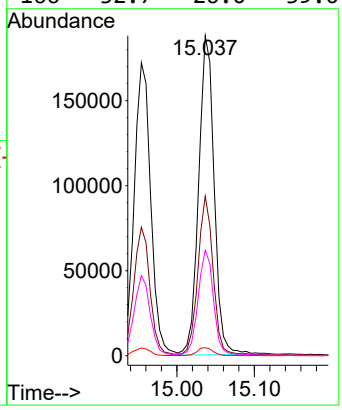




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.379 ng
RT: 15.037 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:232 Resp: 26179

Ion	Ratio	Lower	Upper
232	100		
131	48.2	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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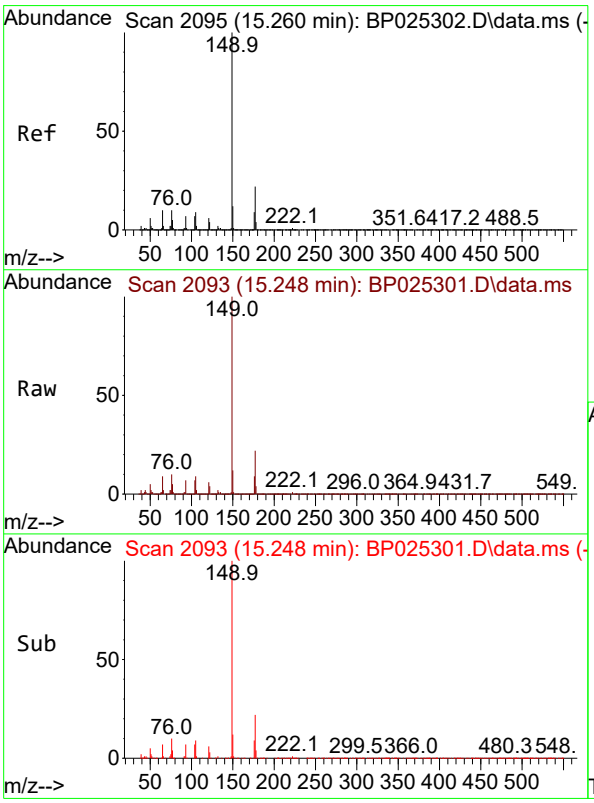
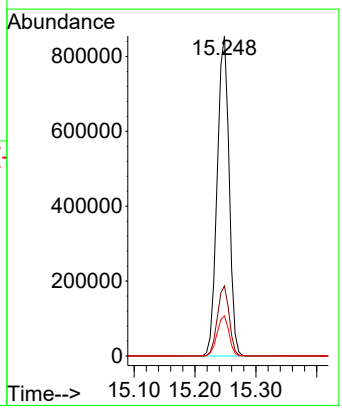
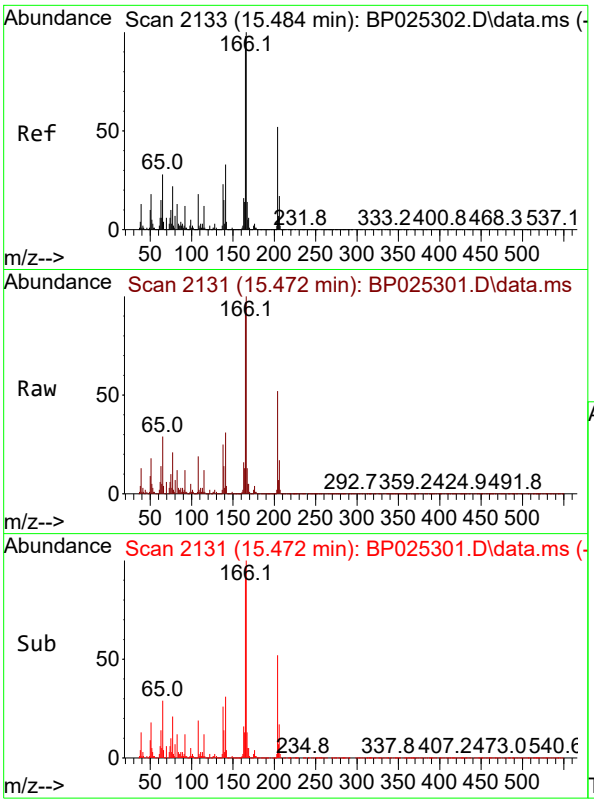


#60
Diethylphthalate
Concen: 20.380 ng
RT: 15.248 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1157469

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.5	9.8	14.8

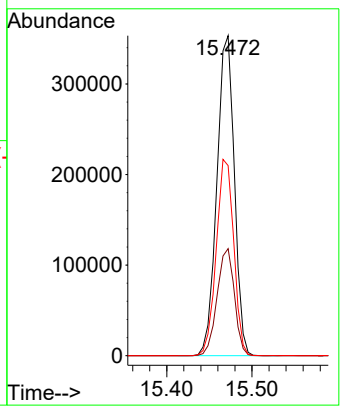




#61
4-Chlorophenyl-phenylether
Concen: 20.445 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:204 Resp: 50287

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.0	40.4
141	59.4	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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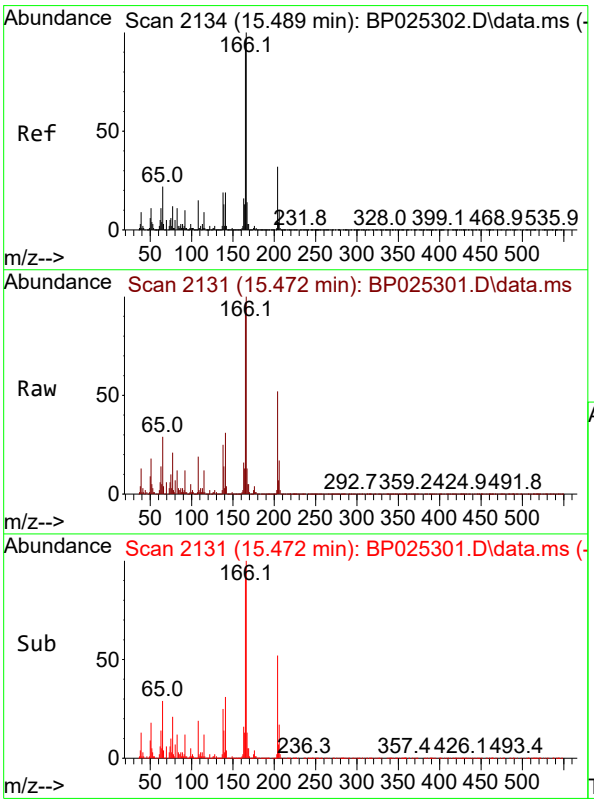
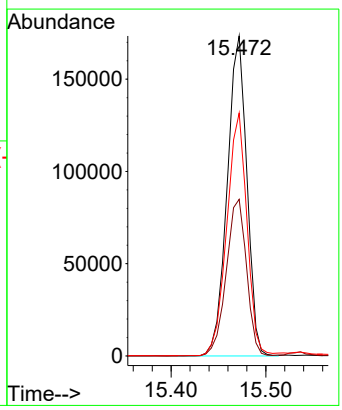
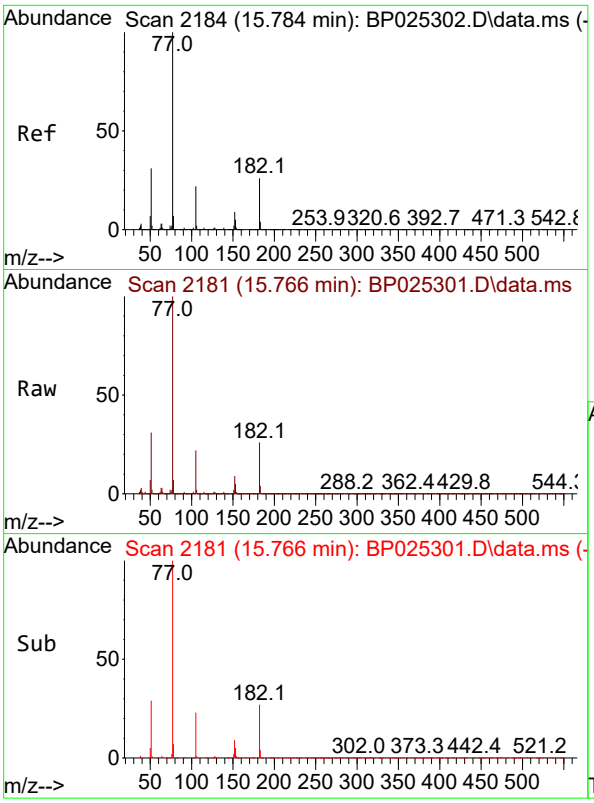


#62
4-Nitroaniline
Concen: 20.775 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:138 Resp: 250280

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.8	69.8
108	75.9	56.6	96.6

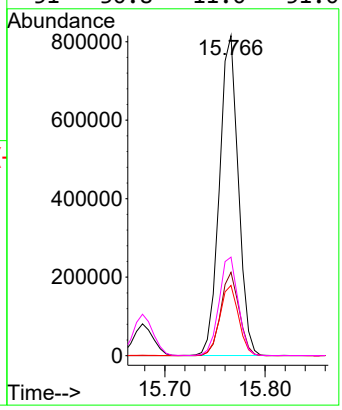




#63
Azobenzene
Concen: 20.145 ng
RT: 15.766 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 106286

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.0	2.1	42.1
51	30.8	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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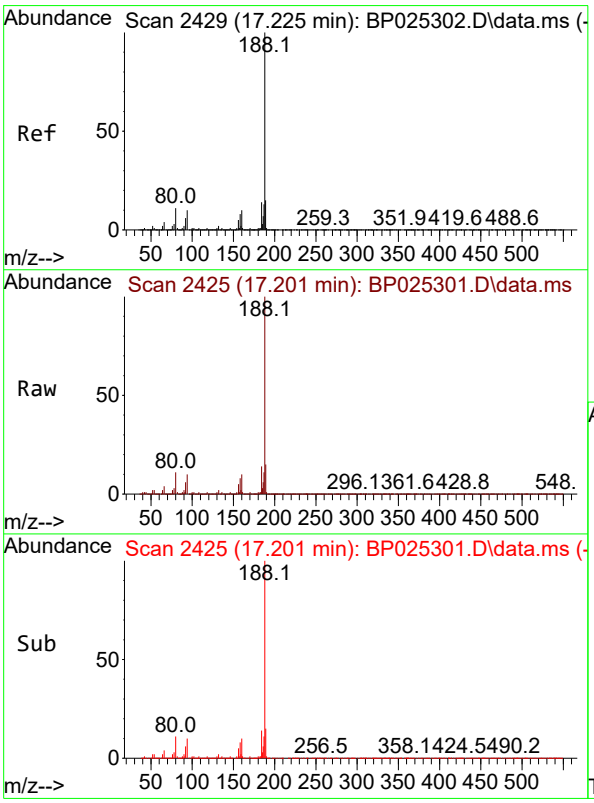
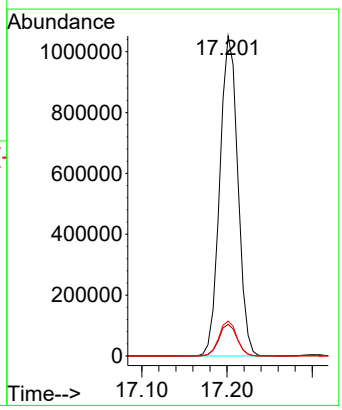
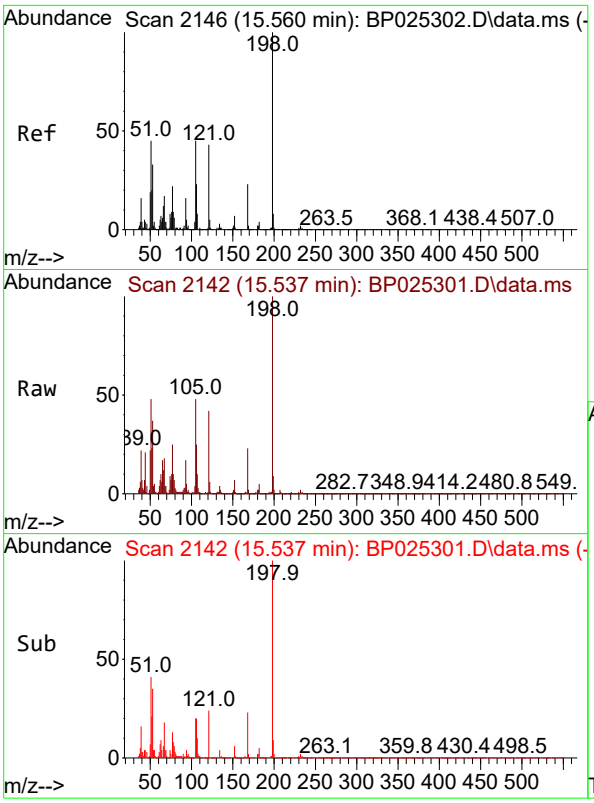


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:188 Resp: 1545091

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.9	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 20.007 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:198 Resp: 9682

Ion	Ratio	Lower	Upper
198	100		
51	47.7	26.7	66.7
105	48.2	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
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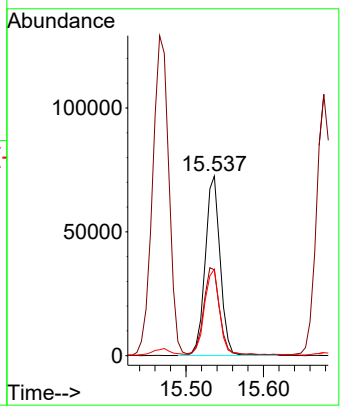
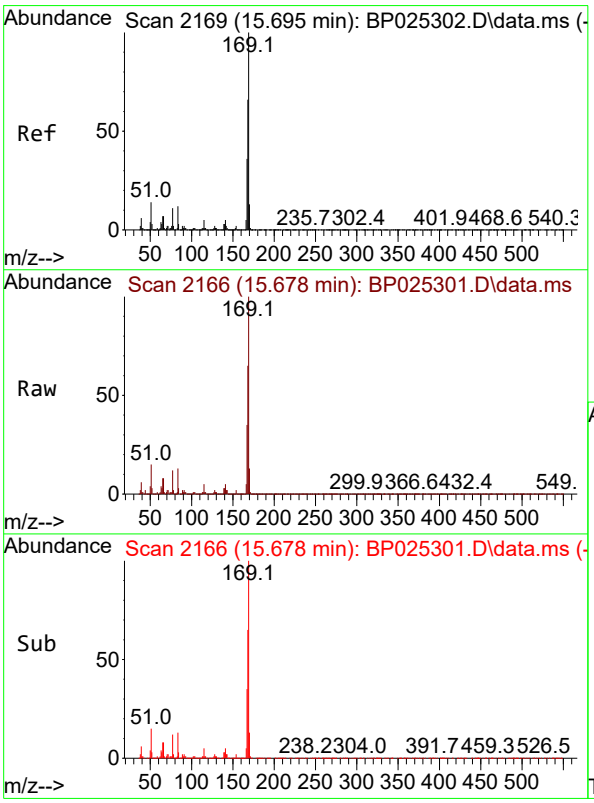
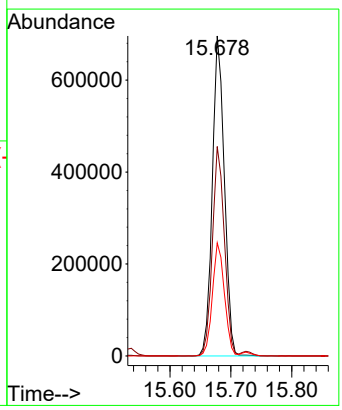


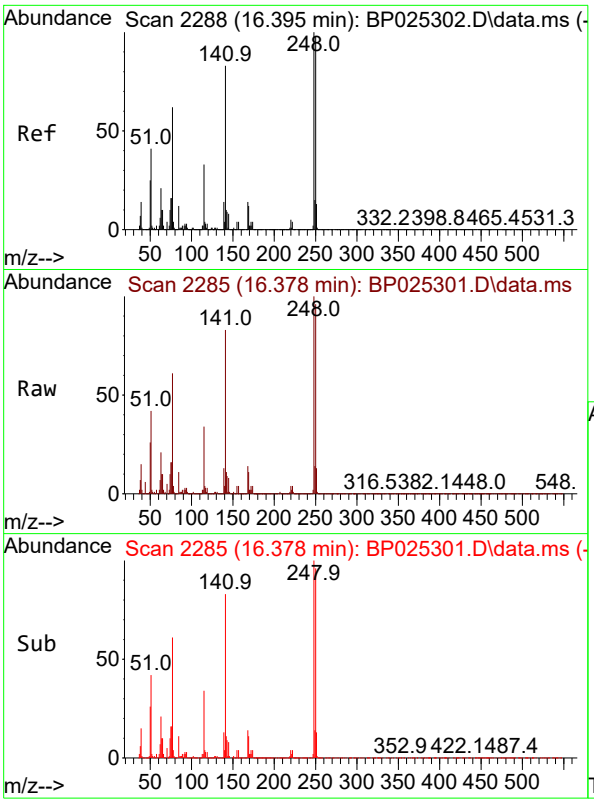


#66
n-Nitrosodiphenylamine
Concen: 20.292 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:169 Resp: 954626

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.8	79.2
167	35.4	28.5	42.7

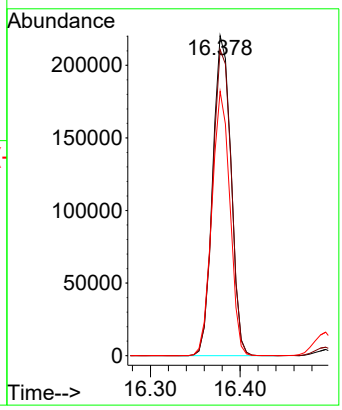




#67
4-Bromophenyl-phenylether
Concen: 20.033 ng
RT: 16.378 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:248 Resp: 31144

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.6	117.8
141	82.6	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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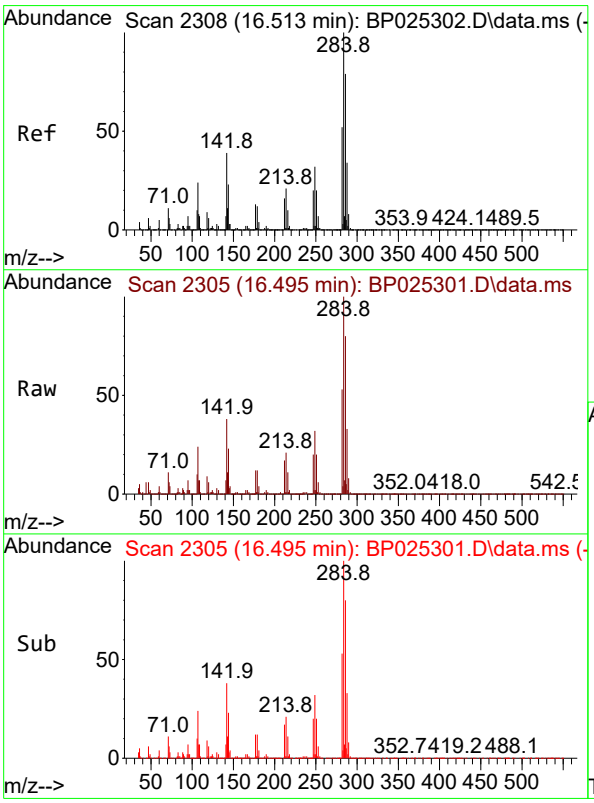
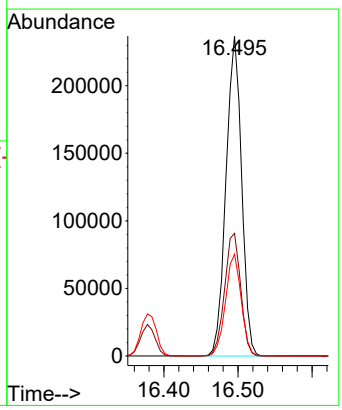
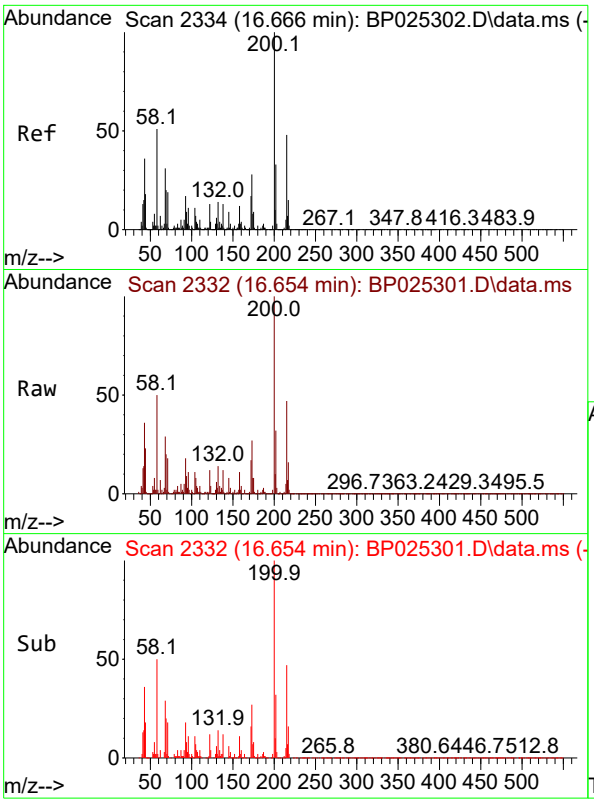


#68
Hexachlorobenzene
Concen: 19.800 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:284 Resp: 345386

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.8	46.2
249	31.8	25.4	38.0

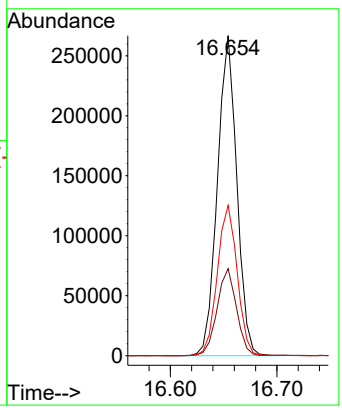




#69
Atrazine
Concen: 20.337 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:200 Resp: 33647

Ion	Ratio	Lower	Upper
200	100		
173	27.2	8.2	48.2
215	47.0	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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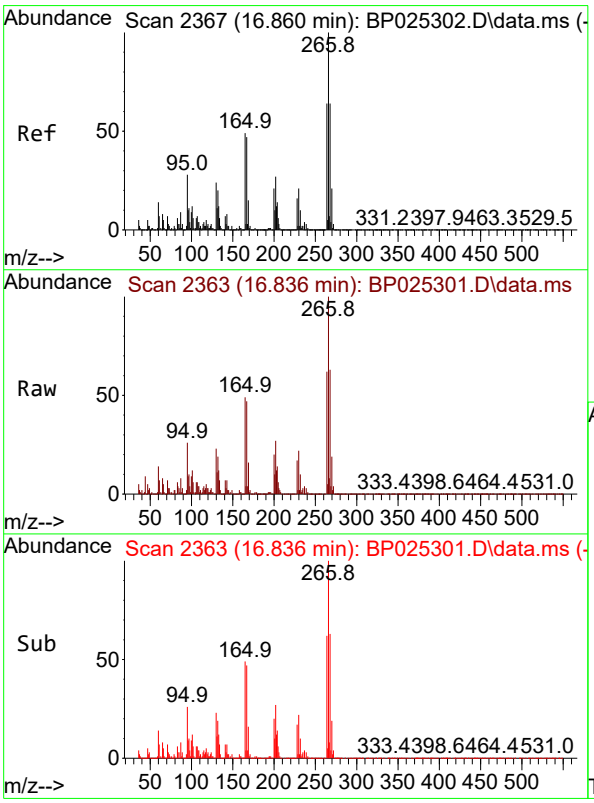
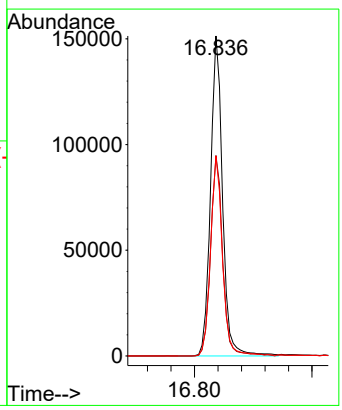
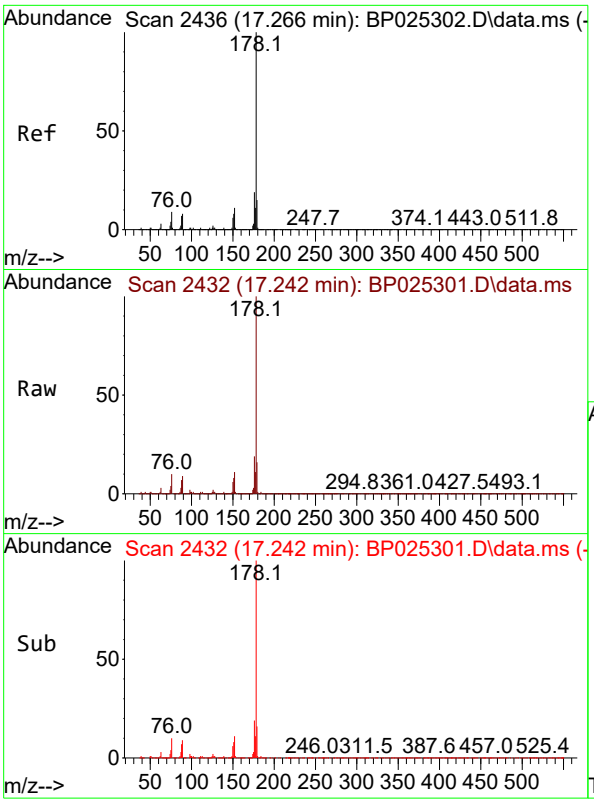


#70
Pentachlorophenol
Concen: 19.278 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:266 Resp: 214251

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.4	77.0
264	62.5	51.1	76.7

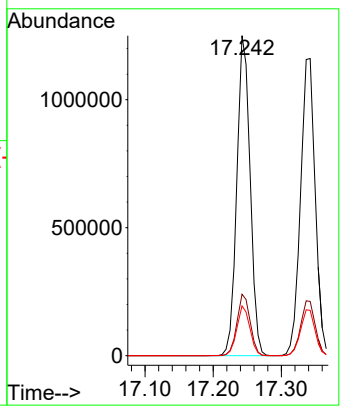




#71
Phenanthrene
Concen: 20.038 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:178 Resp: 169571

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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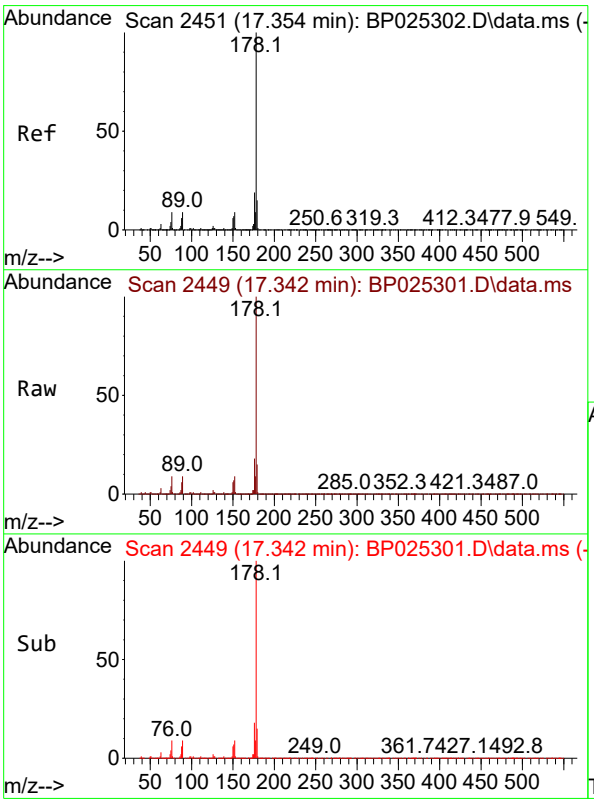
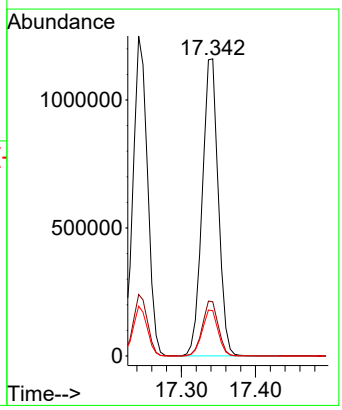
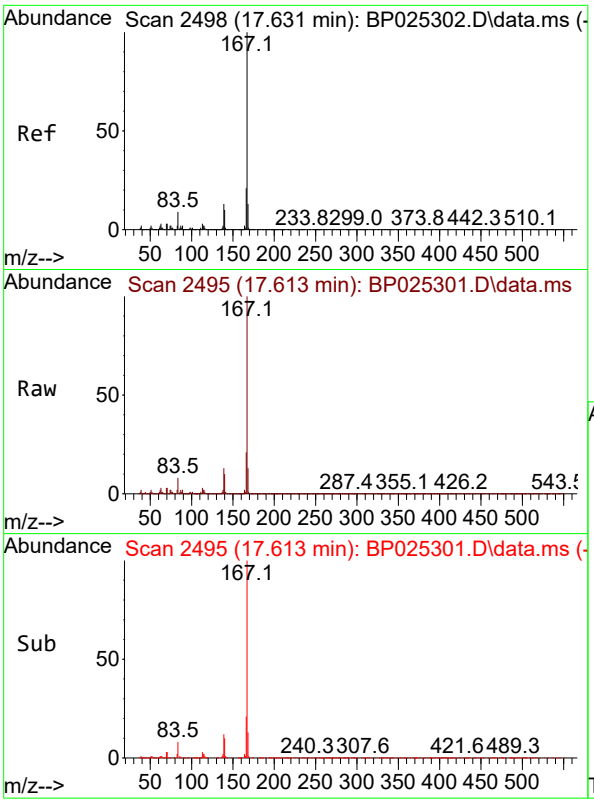


#72
Anthracene
Concen: 20.442 ng
RT: 17.342 min Scan# 2449
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:178 Resp: 1744320

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.3	18.5





#73
Carbazole
Concen: 20.485 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:167 Resp: 167791

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
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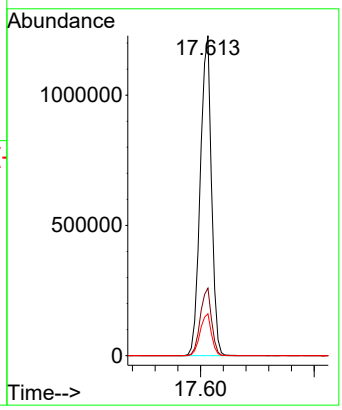
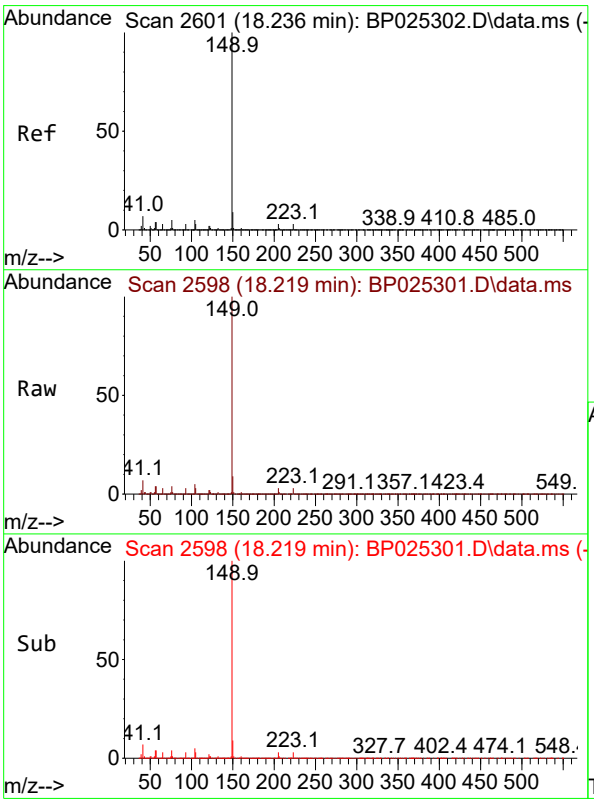
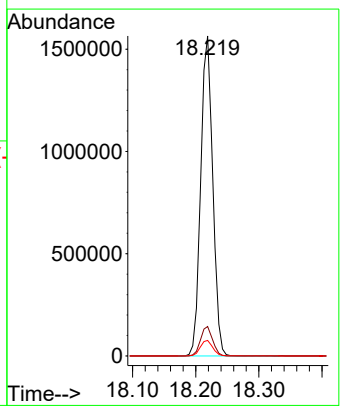


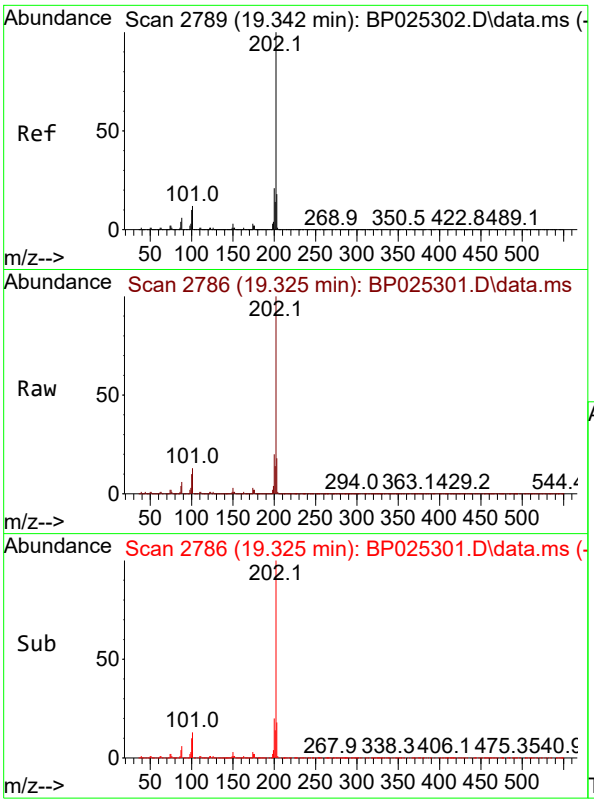


#74
Di-n-butylphthalate
Concen: 20.853 ng
RT: 18.219 min Scan# 2598
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 2066393

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1

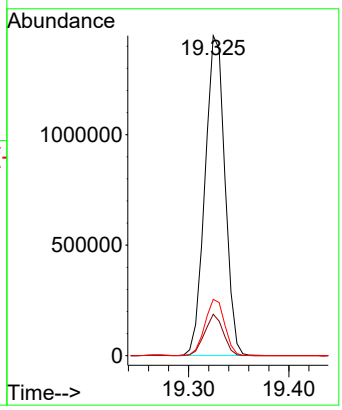




#75
Fluoranthene
Concen: 20.364 ng
RT: 19.325 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:202 Resp: 199494

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	17.6	0.0	37.6



Instrument :
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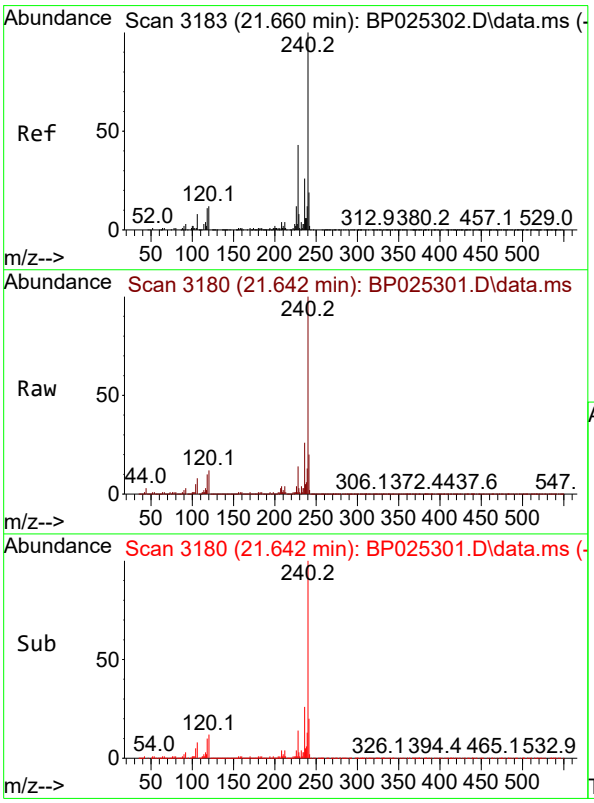
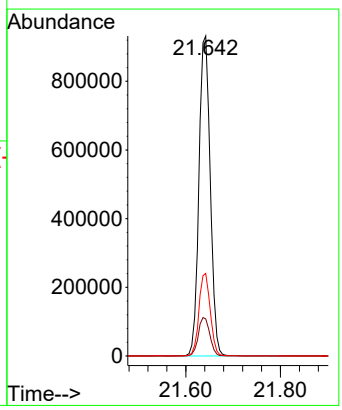
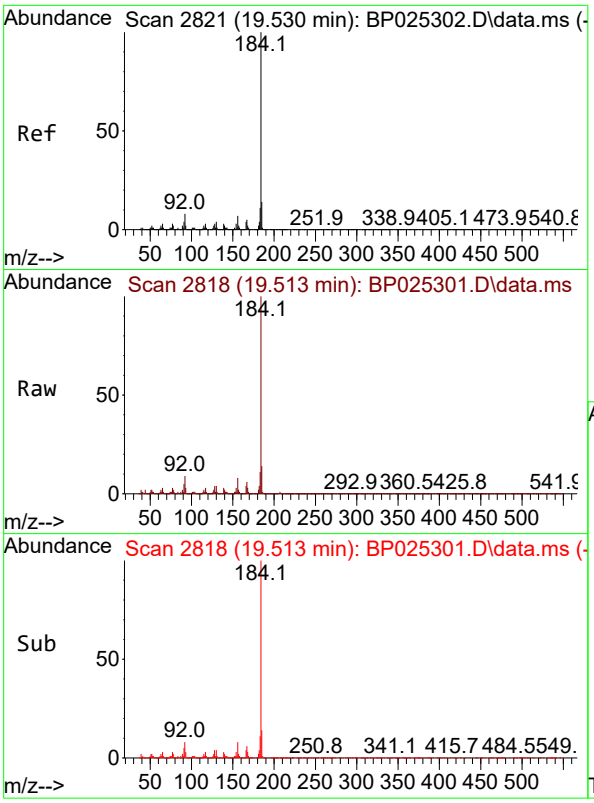


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:240 Resp: 1541869

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.8	20.4	30.6

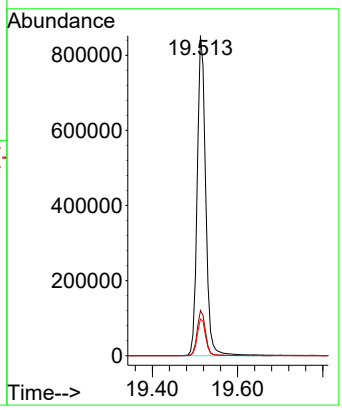




#77
Benzidine
Concen: 21.065 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:184 Resp: 117555

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.4	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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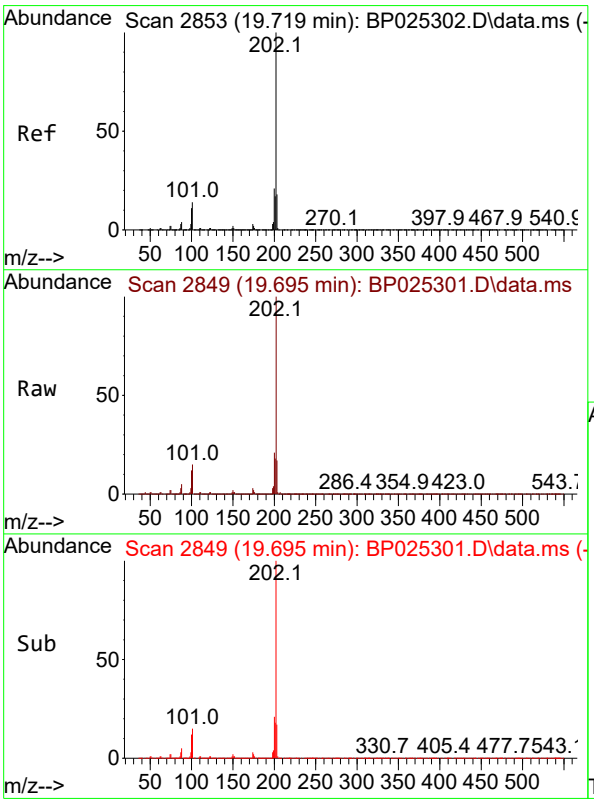
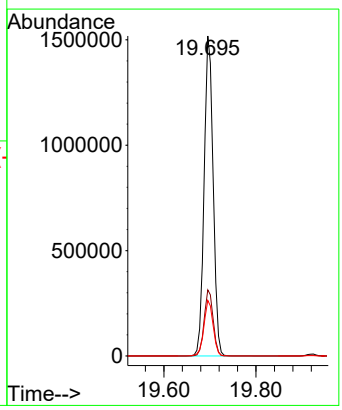
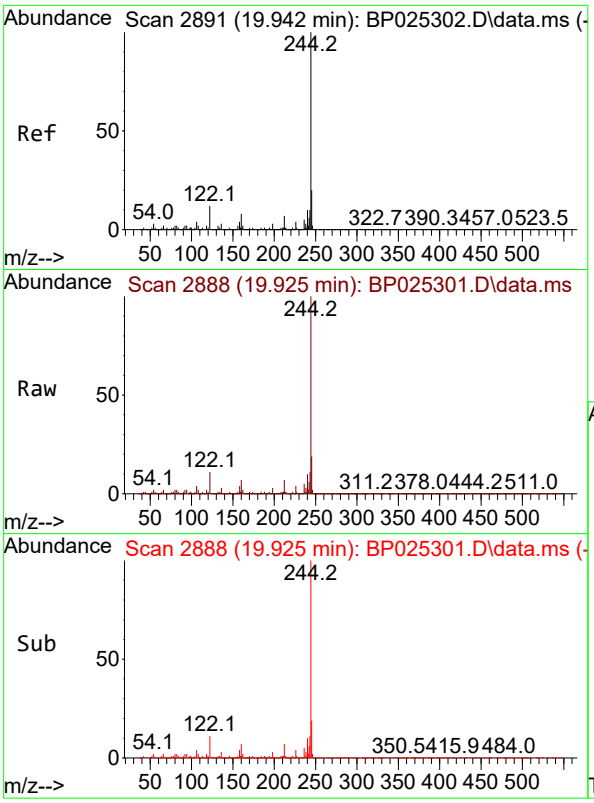


#78
Pyrene
Concen: 20.301 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:202 Resp: 2081509

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.4	14.1	21.1





#79
Terphenyl-d14
Concen: 41.421 ng
RT: 19.925 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:244 Resp: 338065

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.5	14.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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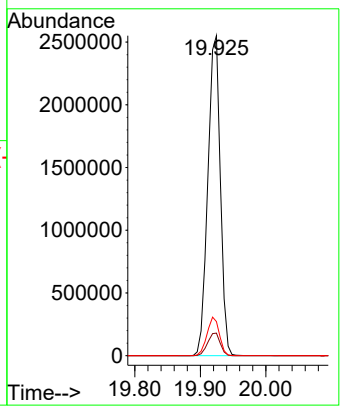
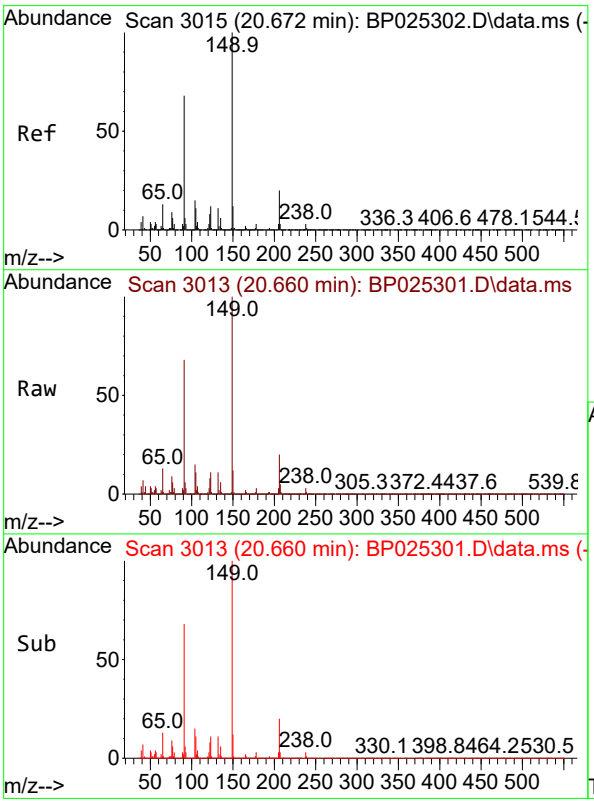
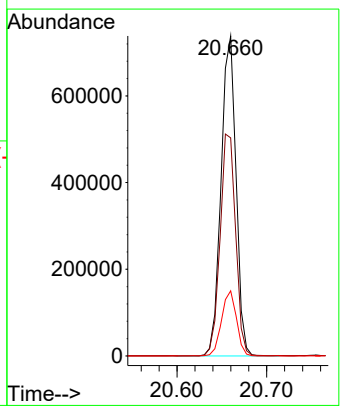


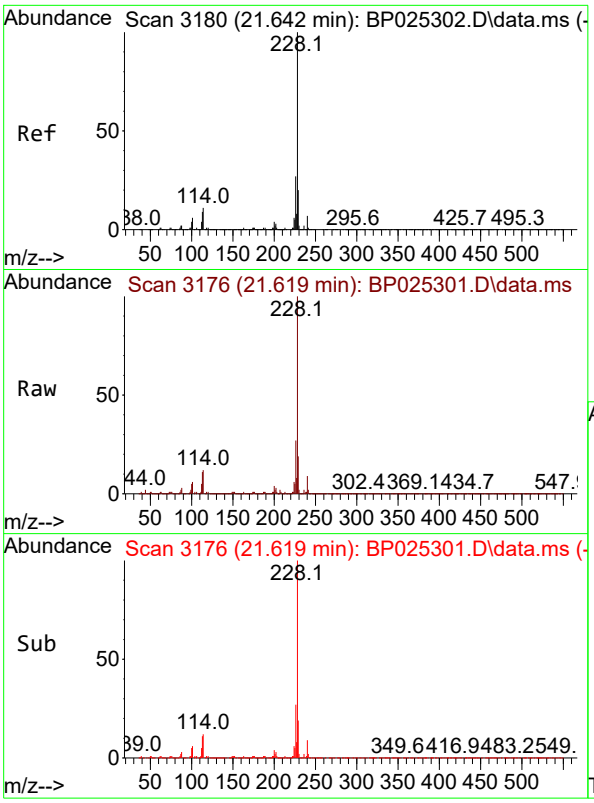


#80
Butylbenzylphthalate
Concen: 20.547 ng
RT: 20.660 min Scan# 3013
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 854396

Ion	Ratio	Lower	Upper
149	100		
91	68.2	54.7	82.1
206	20.4	16.4	24.6

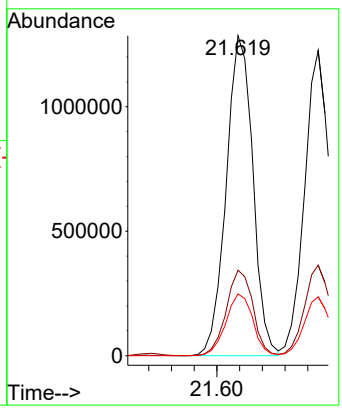




#81
Benzo(a)anthracene
Concen: 20.421 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:228 Resp: 209233

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.3	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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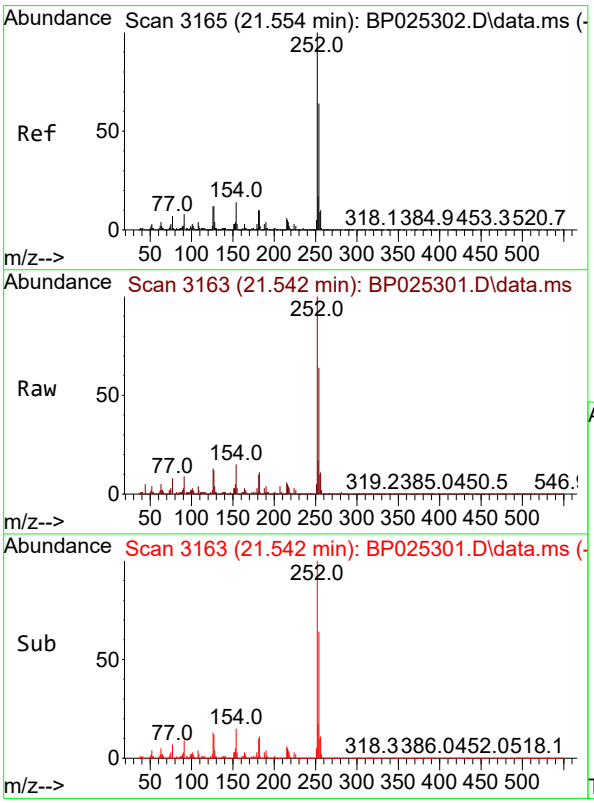
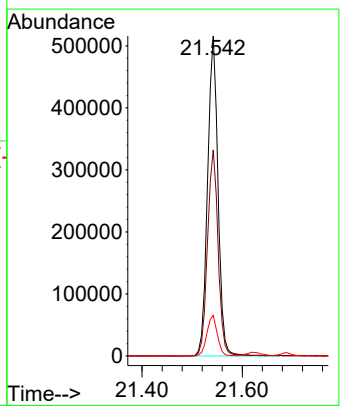
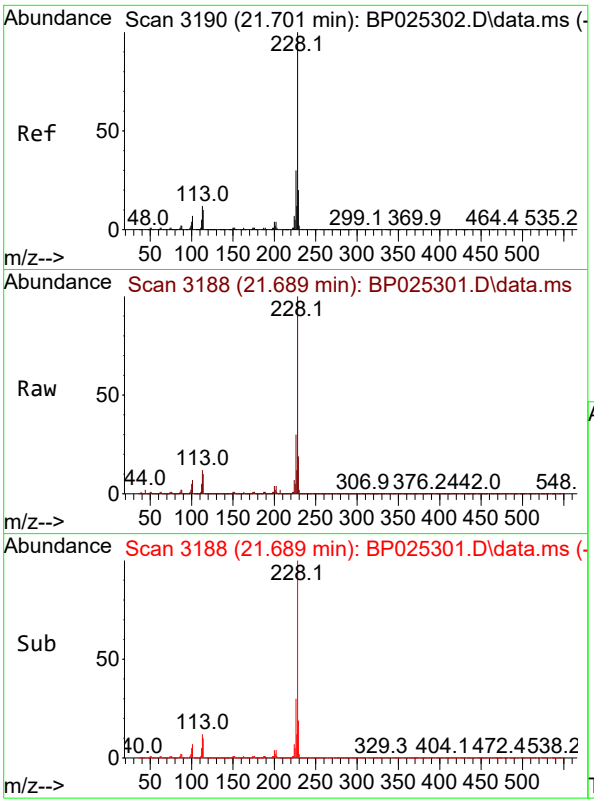


#82
3,3'-Dichlorobenzidine
Concen: 20.628 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 745703

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.7	9.4	14.2

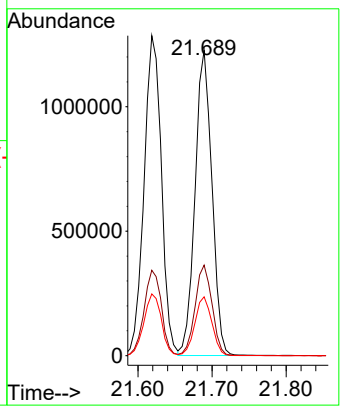




#83
Chrysene
Concen: 20.400 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:228 Resp: 193869

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.3	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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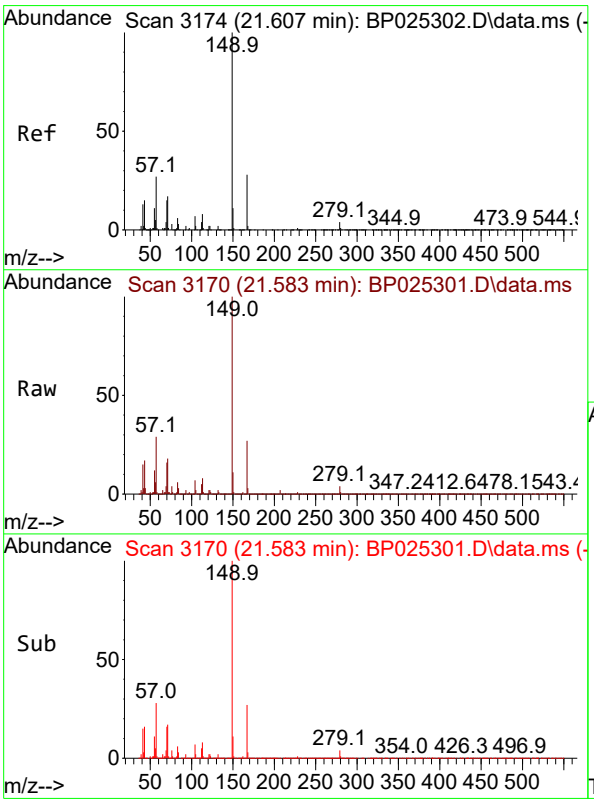
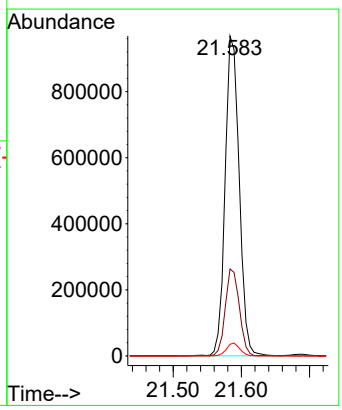
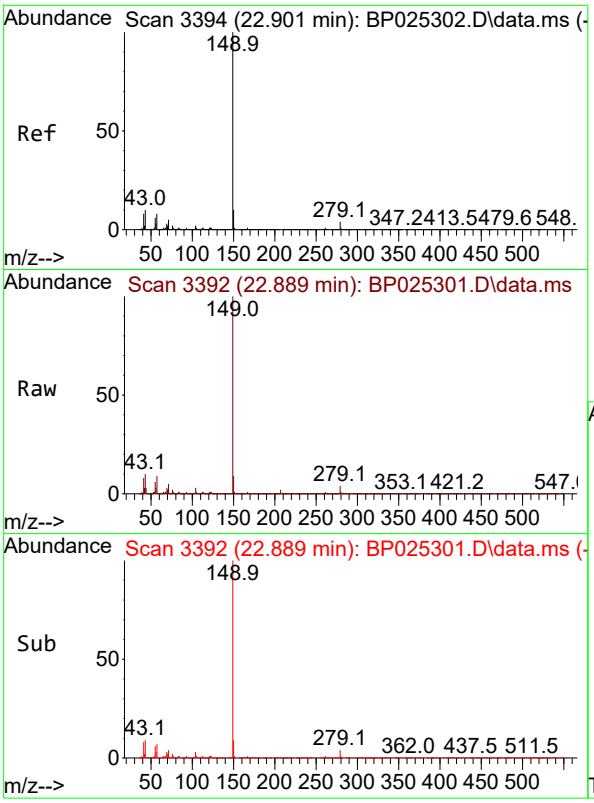


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.958 ng
RT: 21.583 min Scan# 3170
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1391559

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	3.7	3.4	5.2

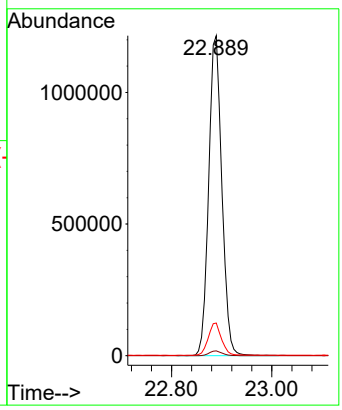




#85
Di-n-octyl phthalate
Concen: 19.895 ng
RT: 22.889 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 221107

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.1	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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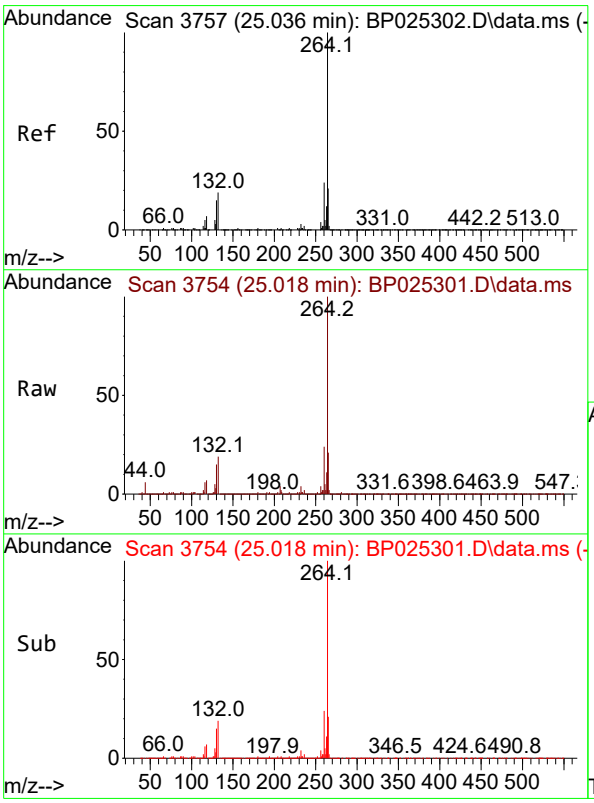
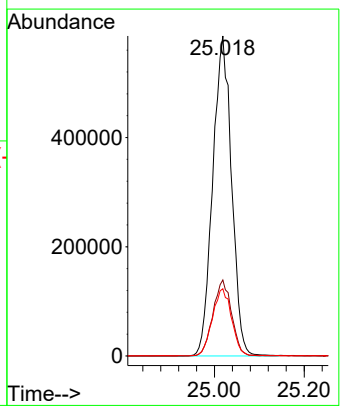
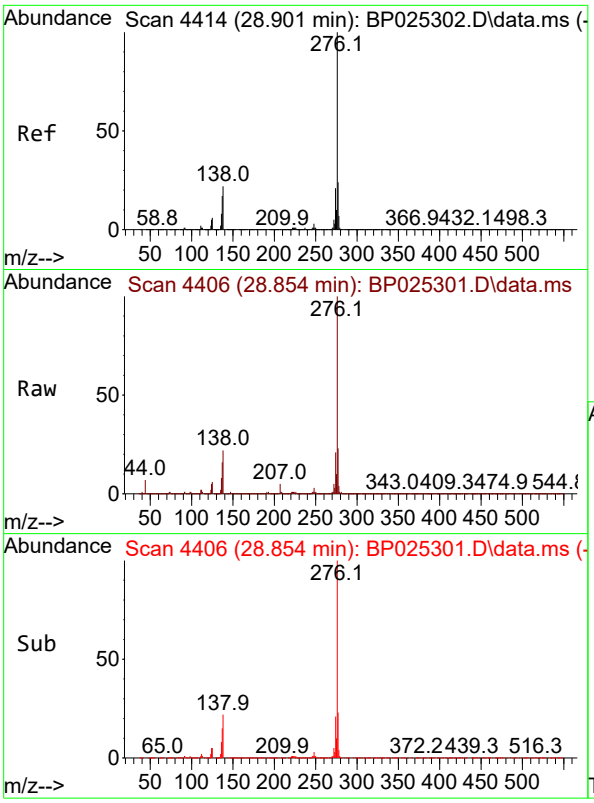


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:264 Resp: 1709357

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.1	25.7

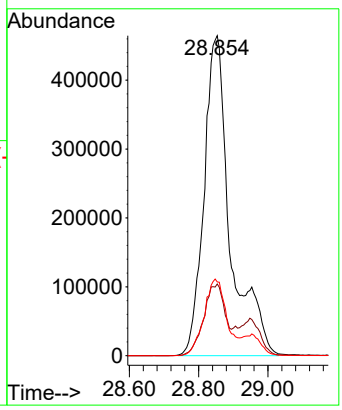




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.000 ng m
RT: 28.854 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:276 Resp: 245402

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.6	22.0
277	20.6	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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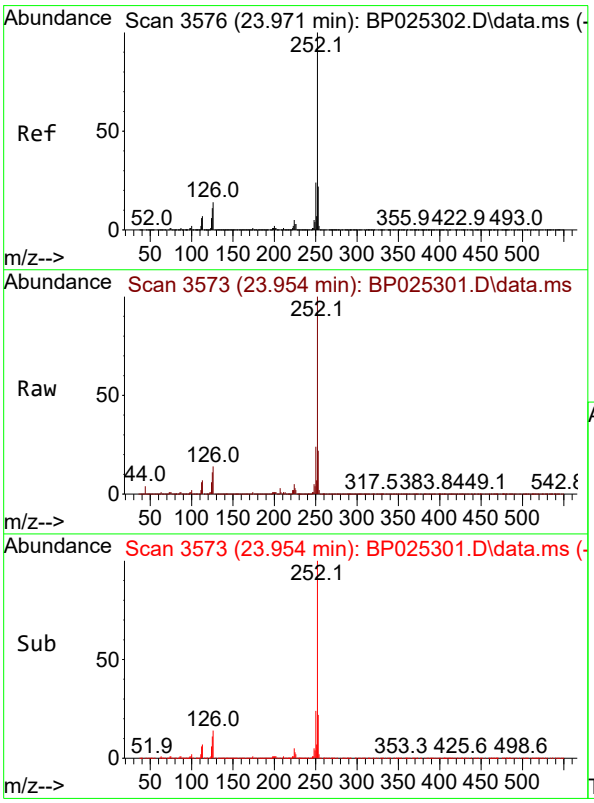
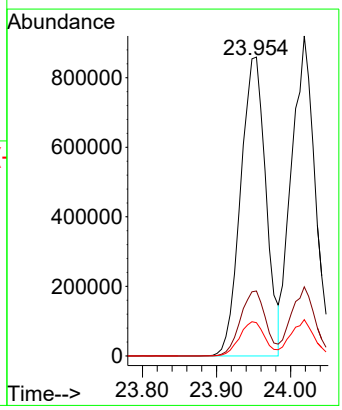
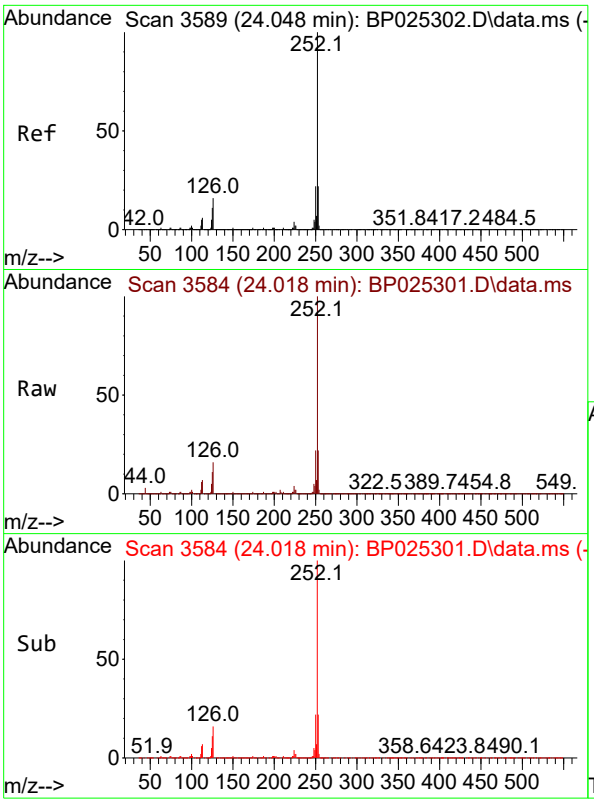


#88
Benzo(b)fluoranthene
Concen: 19.945 ng
RT: 23.954 min Scan# 3573
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 2040906

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.5	12.7

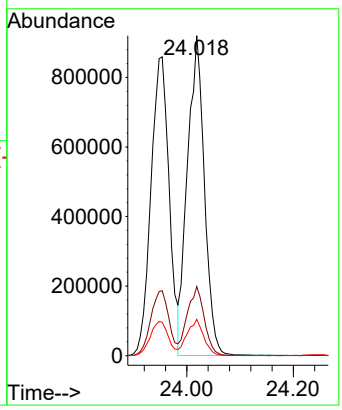




#89
Benzo(k)fluoranthene
Concen: 20.034 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 203222

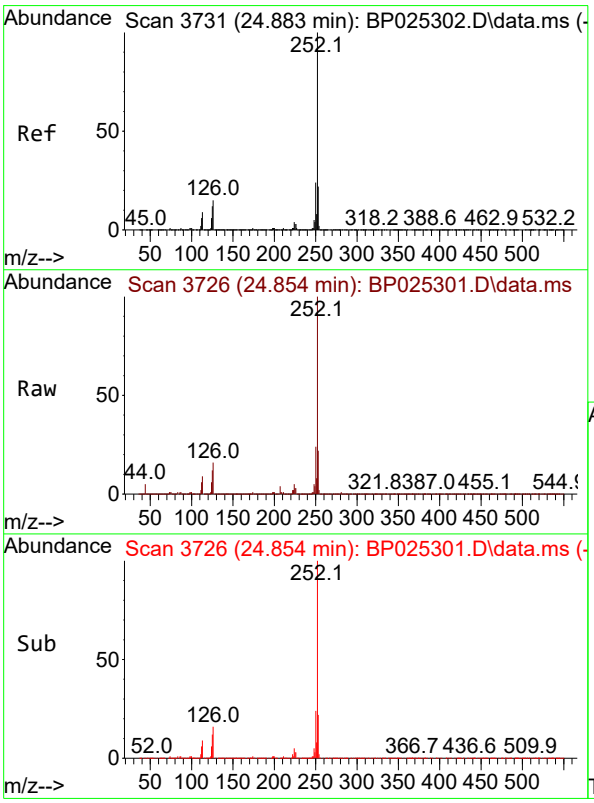
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

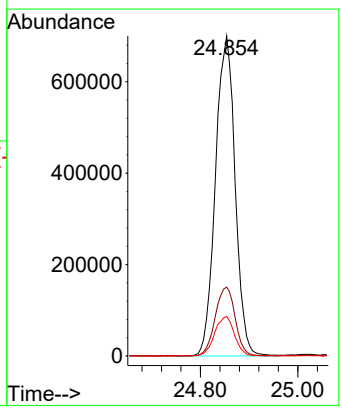
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

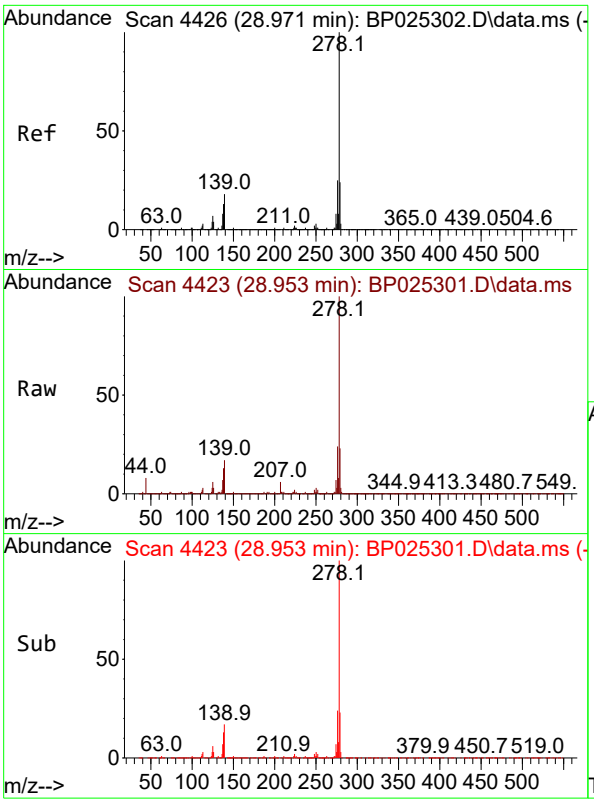


#90
Benzo(a)pyrene
Concen: 19.917 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.029 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 1962673

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.3	9.4	14.0

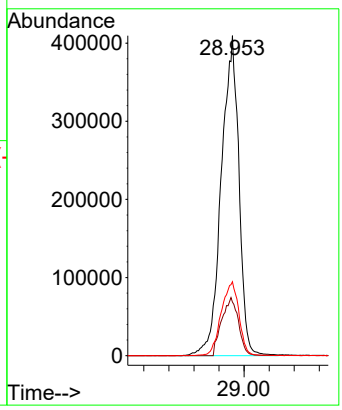




#91
Dibenzo(a,h)anthracene
Concen: 19.860 ng
RT: 28.953 min Scan# 44
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:278 Resp: 199280

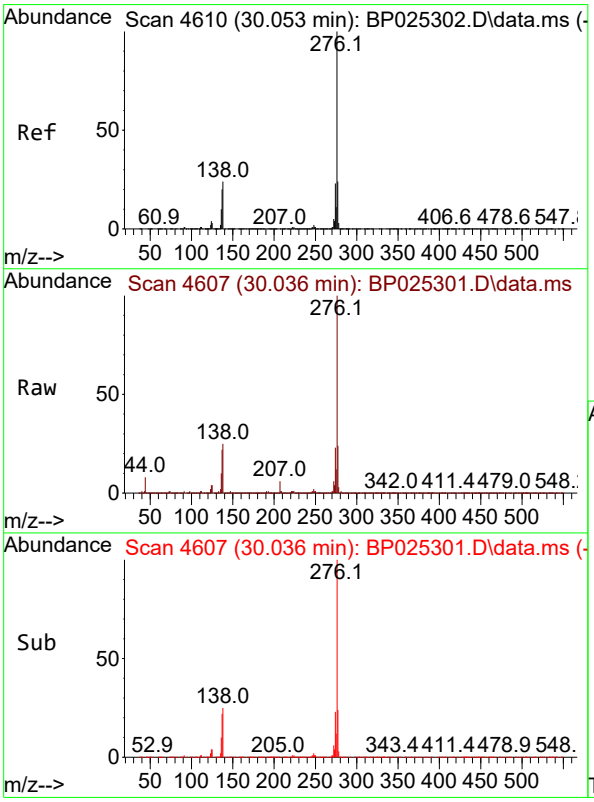
Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.6	22.0
279	23.1	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

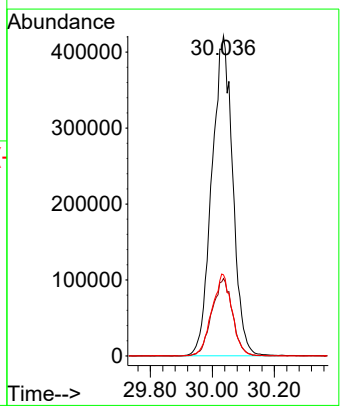
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 19.938 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:276 Resp: 1964046

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	25.3	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	201963	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	880642	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	554286	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1096367	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1098659	20.000	ng	0.00
86) Perylene-d12	25.036	264	1264736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	996403	78.838	ng	0.00
7) Phenol-d6	6.966	99	1318375	79.077	ng	0.00
23) Nitrobenzene-d5	8.943	82	1316251	80.869	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	470979	82.296	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3200514	80.179	ng	0.00
79) Terphenyl-d14	19.942	244	4595144	79.015	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	194354	39.221	ng	100
3) Pyridine	3.725	79	541403	39.325	ng	100
4) n-Nitrosodimethylamine	3.631	42	246918	38.631	ng	100
6) Aniline	7.131	93	895891	39.490	ng	100
8) 2-Chlorophenol	7.372	128	545256	39.670	ng	100
9) Benzaldehyde	6.949	77	566415	48.256	ng	100
10) Phenol	6.990	94	699120	39.538	ng	100
11) bis(2-Chloroethyl)ether	7.225	93	539982	38.975	ng	100
12) 1,3-Dichlorobenzene	7.696	146	595110	38.533	ng	100
13) 1,4-Dichlorobenzene	7.837	146	609114	38.983	ng	100
14) 1,2-Dichlorobenzene	8.149	146	587683	38.826	ng	100
15) Benzyl Alcohol	8.031	79	502383	39.218	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.325	45	850917	38.879	ng	100
17) 2-Methylphenol	8.225	107	474988	40.146	ng	100
18) Hexachloroethane	8.878	117	218135	39.037	ng	100
19) n-Nitroso-di-n-propyla...	8.596	70	436056	40.160	ng	100
20) 3+4-Methylphenols	8.549	107	640969	39.342	ng	100
22) Acetophenone	8.607	105	867835	39.255	ng	100
24) Nitrobenzene	8.984	77	606097	40.280	ng	100
25) Isophorone	9.502	82	1255611	39.682	ng	100
26) 2-Nitrophenol	9.684	139	225091	35.376	ng	100
27) 2,4-Dimethylphenol	9.749	122	570930	39.137	ng	100
28) bis(2-Chloroethoxy)met...	9.984	93	759841	39.476	ng	100
29) 2,4-Dichlorophenol	10.213	162	522153	40.884	ng	100
30) 1,2,4-Trichlorobenzene	10.437	180	548893	38.956	ng	100
31) Naphthalene	10.625	128	1791087	39.178	ng	100
32) Benzoic acid	9.849	122	297213	38.952	ng	100
33) 4-Chloroaniline	10.725	127	808713	39.774	ng	100
34) Hexachlorobutadiene	10.913	225	316426	39.122	ng	100
35) Caprolactam	11.472	113	202605	40.802	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	600241	40.617	ng	100
37) 2-Methylnaphthalene	12.225	142	1154835	39.028	ng	100
38) 1-Methylnaphthalene	12.454	142	1205124	39.032	ng	100
40) 1,2,4,5-Tetrachloroben...	12.595	216	606083	40.051	ng	100
41) Hexachlorocyclopentadiene	12.590	237	366850	39.278	ng	100
43) 2,4,6-Trichlorophenol	12.837	196	406436	41.576	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	456928	41.667	ng	100
46) 1,1'-Biphenyl	13.243	154	1605905	39.314	ng	100
47) 2-Chloronaphthalene	13.284	162	1225849	39.335	ng	100
48) 2-Nitroaniline	13.484	65	341536	38.066	ng	100
49) Acenaphthylene	14.142	152	2070346	39.828	ng	100
50) Dimethylphthalate	13.872	163	1586291	39.258	ng	100
51) 2,6-Dinitrotoluene	13.978	165	318700	42.760	ng	100
52) Acenaphthene	14.490	154	1234915	38.947	ng	100
53) 3-Nitroaniline	14.307	138	369122	42.324	ng	100
54) 2,4-Dinitrophenol	14.513	184	105656	38.143	ng	100
55) Dibenzofuran	14.831	168	1863874	39.336	ng	100
56) 4-Nitrophenol	14.607	139	314409	40.848	ng	100
57) 2,4-Dinitrotoluene	14.778	165	431918	38.103	ng	100
58) Fluorene	15.489	166	1458854	39.200	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.054	232	381224	41.372	ng	100
60) Diethylphthalate	15.260	149	1596506	39.190	ng	100
61) 4-Chlorophenyl-phenyle...	15.484	204	699128	39.626	ng	100
62) 4-Nitroaniline	15.489	138	374812	43.373	ng	100
63) Azobenzene	15.784	77	1497305	39.565	ng	100
65) 4,6-Dinitro-2-methylph...	15.560	198	165146	37.407	ng	100
66) n-Nitrosodiphenylamine	15.695	169	1327098	39.754	ng	100
67) 4-Bromophenyl-phenylether	16.395	248	436238	39.545	ng	100
68) Hexachlorobenzene	16.513	284	482334	38.967	ng	100
69) Atrazine	16.666	200	465752	39.673	ng	100
70) Pentachlorophenol	16.860	266	315442	40.000	ng	100
71) Phenanthrene	17.266	178	2351974	39.167	ng	100
72) Anthracene	17.354	178	2401769	39.667	ng	100
73) Carbazole	17.631	167	2307398	39.700	ng	100
74) Di-n-butylphthalate	18.236	149	2828001	40.220	ng	100
75) Fluoranthene	19.342	202	2745884	39.501	ng	100
77) Benzidine	19.530	184	2131359	53.598	ng	100
78) Pyrene	19.719	202	2831811	38.761	ng	100
80) Butylbenzylphthalate	20.672	149	1241891	41.913	ng	100
81) Benzo(a)anthracene	21.642	228	2859970	39.173	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1039593	40.358	ng	100
83) Chrysene	21.701	228	2674978	39.503	ng	100
84) Bis(2-ethylhexyl)phtha...	21.607	149	1959652	41.420	ng	100
85) Di-n-octyl phthalate	22.901	149	3300305	41.675	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	3649652m	40.200	ng	
88) Benzo(b)fluoranthene	23.971	252	2981039	39.375	ng	100
89) Benzo(k)fluoranthene	24.048	252	2961242	39.456	ng	100
90) Benzo(a)pyrene	24.883	252	2911834	39.938	ng	100
91) Dibenzo(a,h)anthracene	28.971	278	2998158	40.383	ng	100
92) Benzo(g,h,i)perylene	30.053	276	2917156	40.025	ng	100

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

ICAL Form

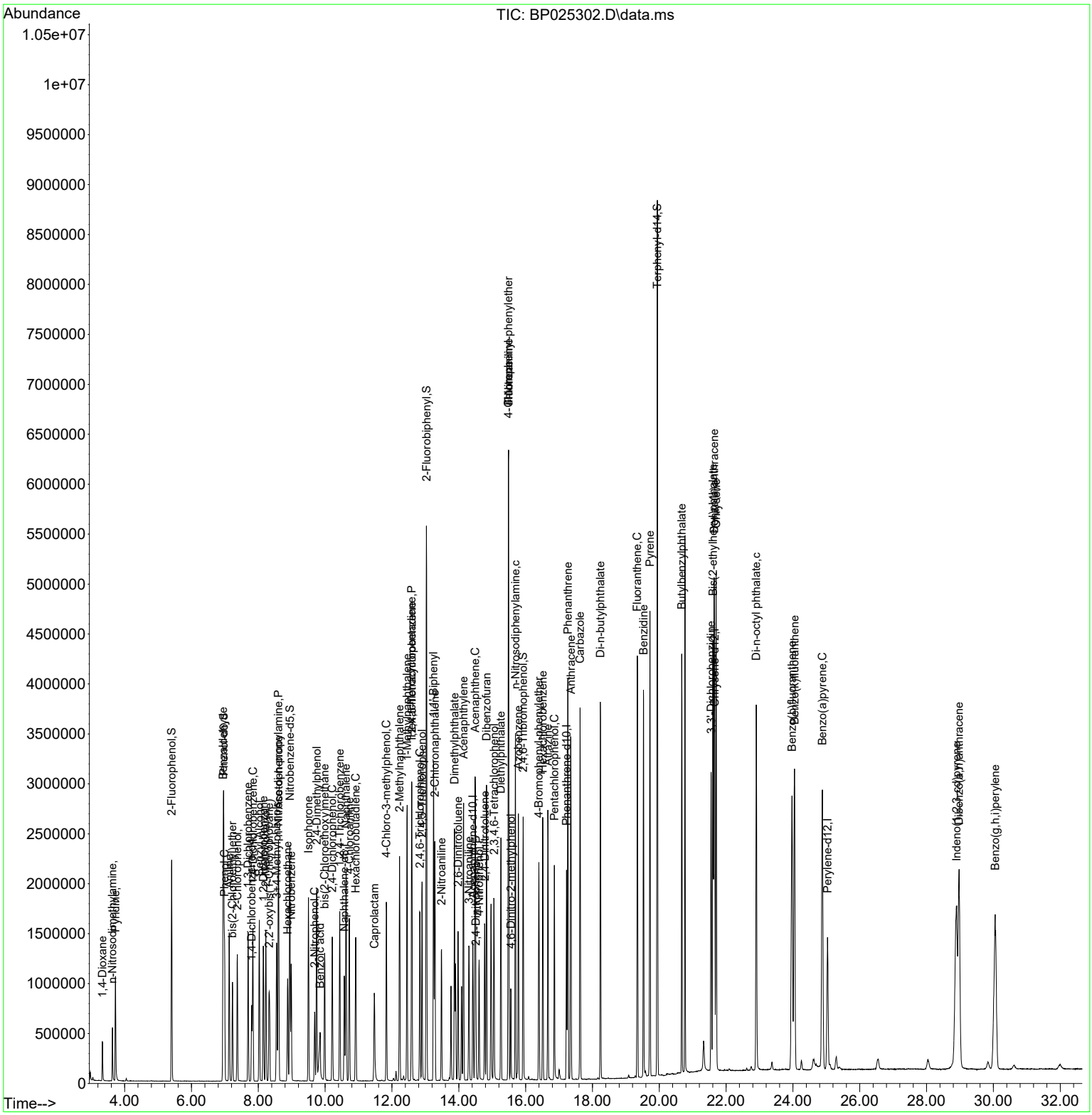
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

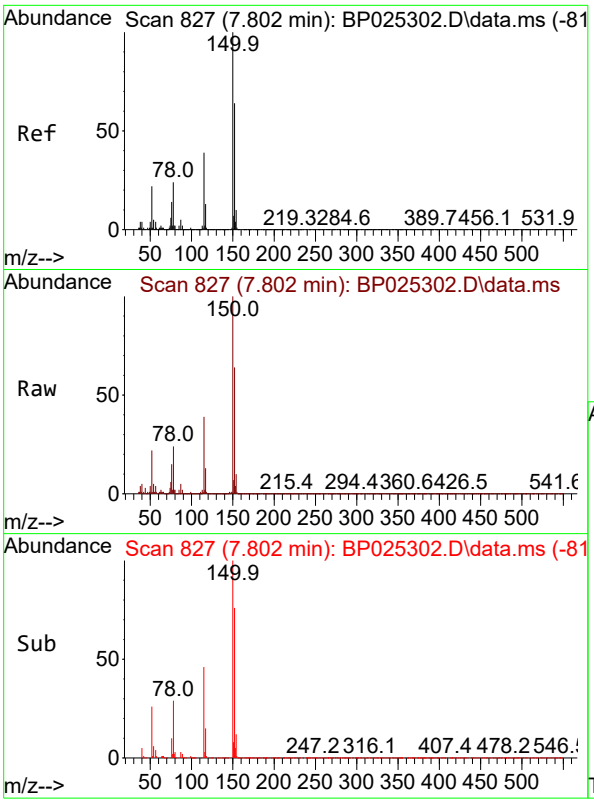
Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

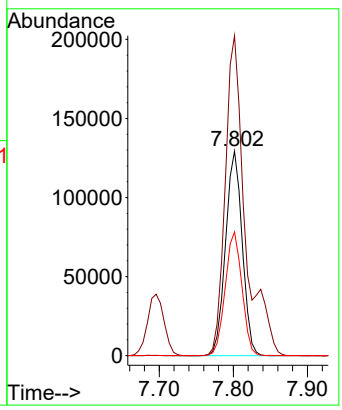




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:152 Resp: 20196

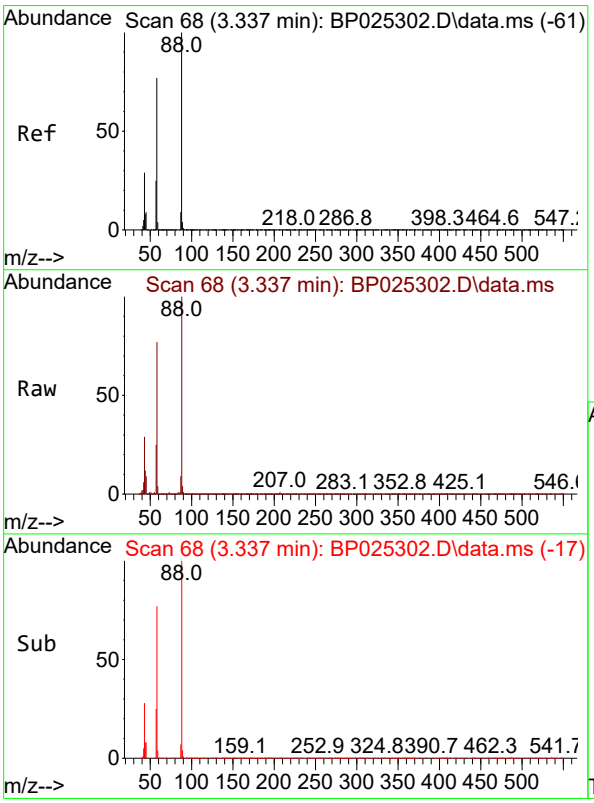
Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.1	187.7
115	60.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

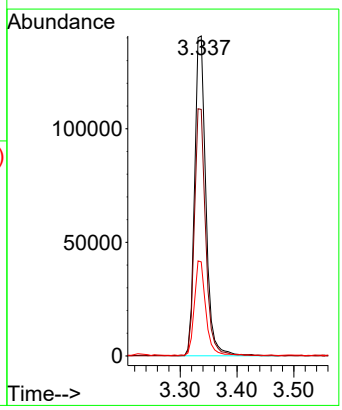
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

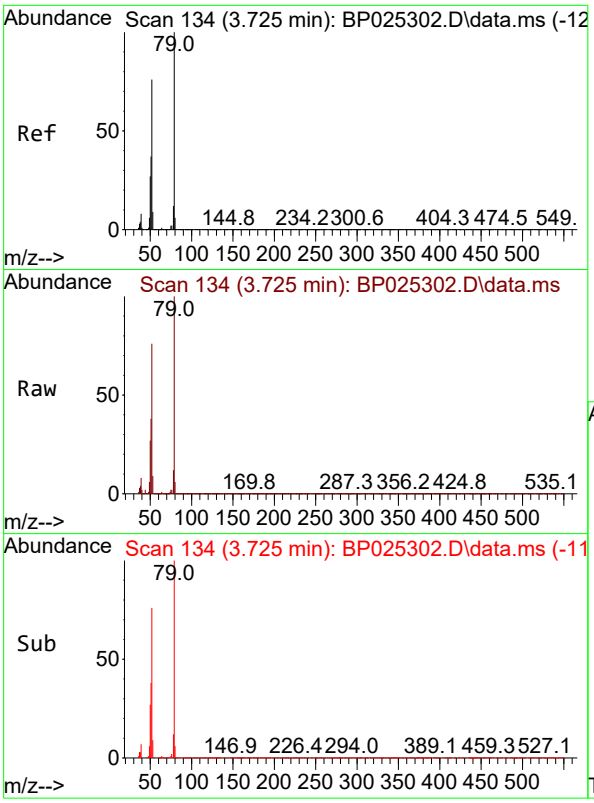


#2
1,4-Dioxane
Concen: 39.221 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 88 Resp: 194354

Ion	Ratio	Lower	Upper
88	100		
58	77.4	61.9	92.9
43	30.2	24.2	36.2

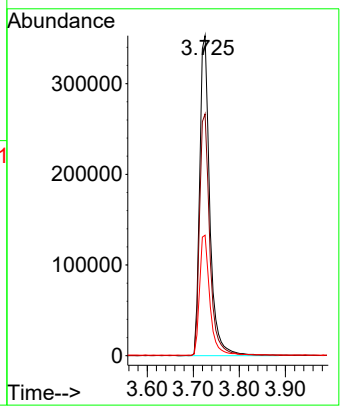




#3
Pyridine
Concen: 39.325 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 79 Resp: 54140

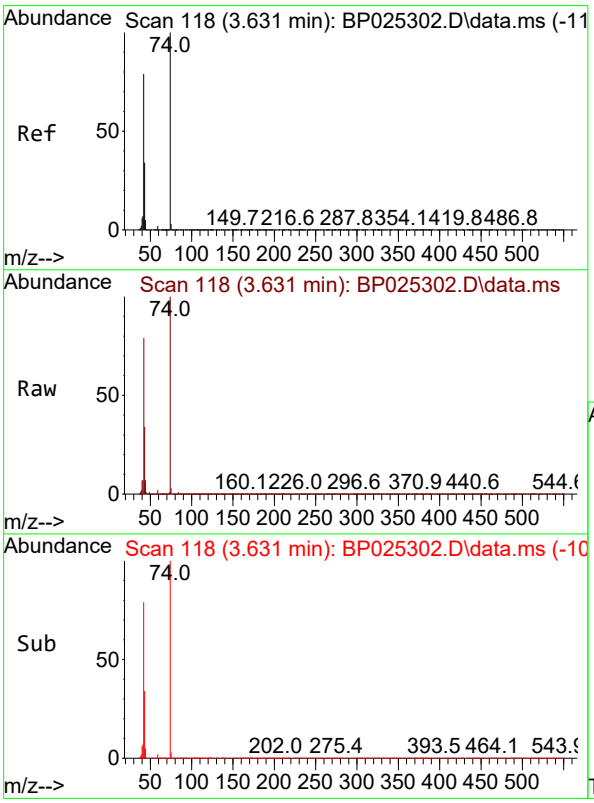
Ion	Ratio	Lower	Upper
79	100		
52	75.6	60.5	90.7
51	37.7	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

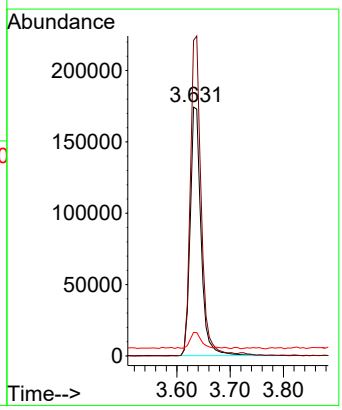
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

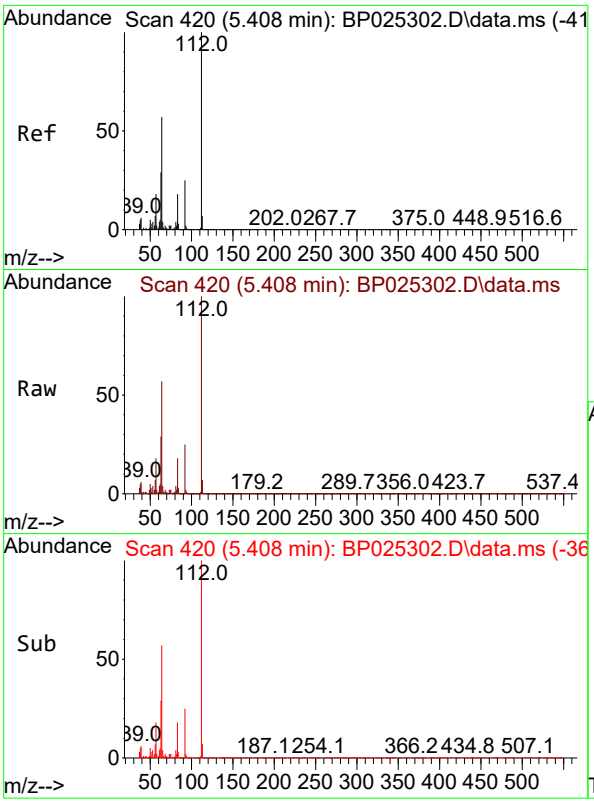


#4
n-Nitrosodimethylamine
Concen: 38.631 ng
RT: 3.631 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 42 Resp: 246918

Ion	Ratio	Lower	Upper
42	100		
74	126.8	101.4	152.2
44	9.5	7.6	11.4

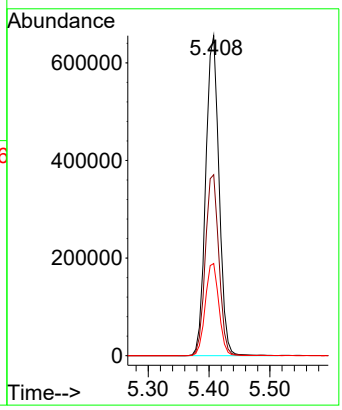




#5
2-Fluorophenol
Concen: 78.838 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:112 Resp: 99640

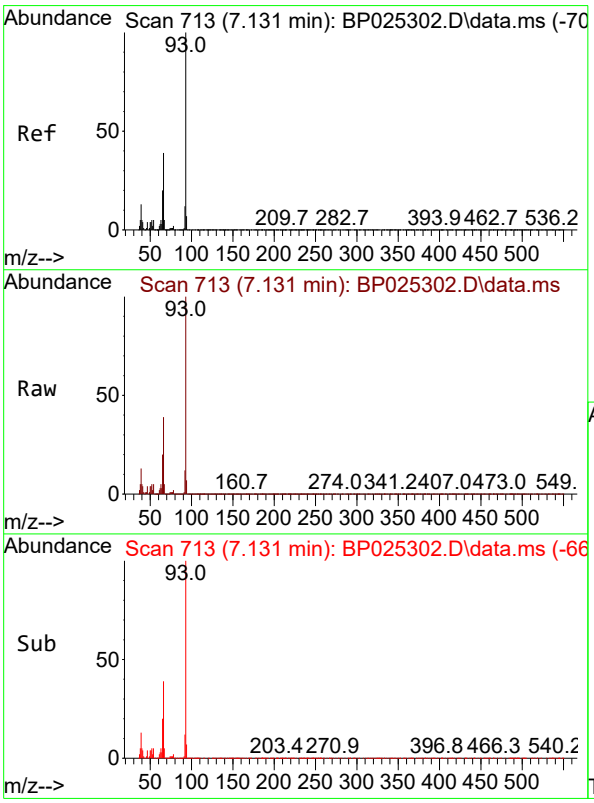
Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	28.8	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

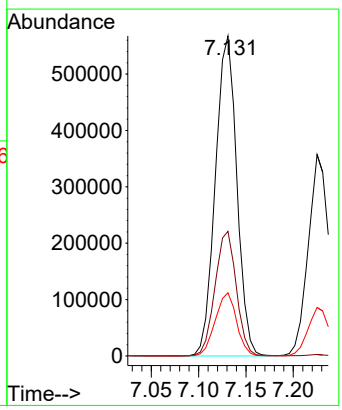
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

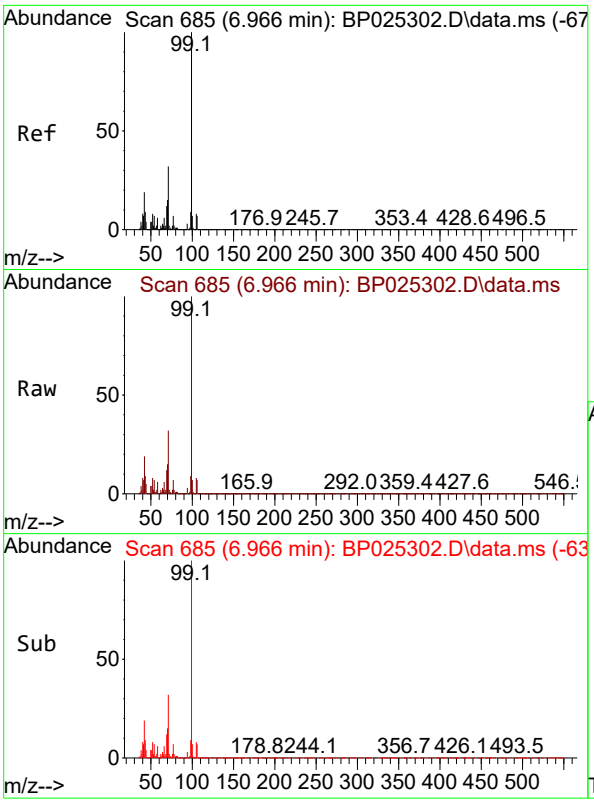


#6
Aniline
Concen: 39.490 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 895891

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.1	46.7
65	19.8	15.8	23.8

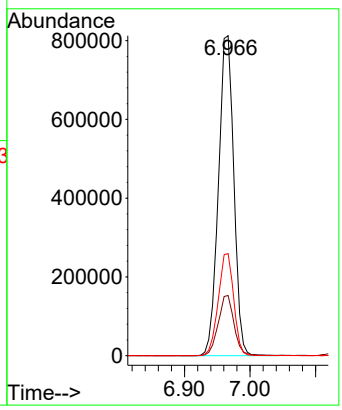




#7
Phenol-d6
Concen: 79.077 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 99 Resp: 131837

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.0	22.6
71	31.9	25.5	38.3



Instrument :
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ClientSampleId :
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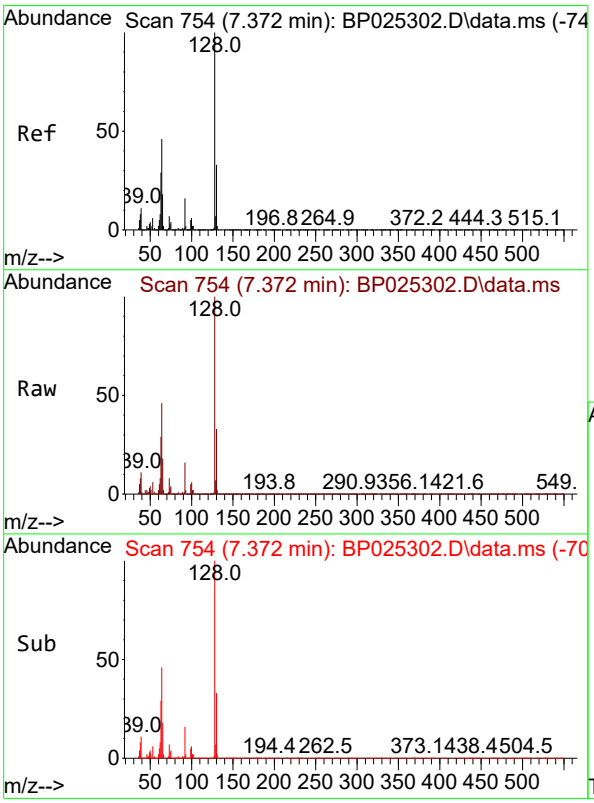
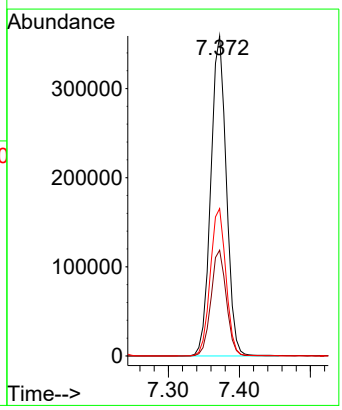
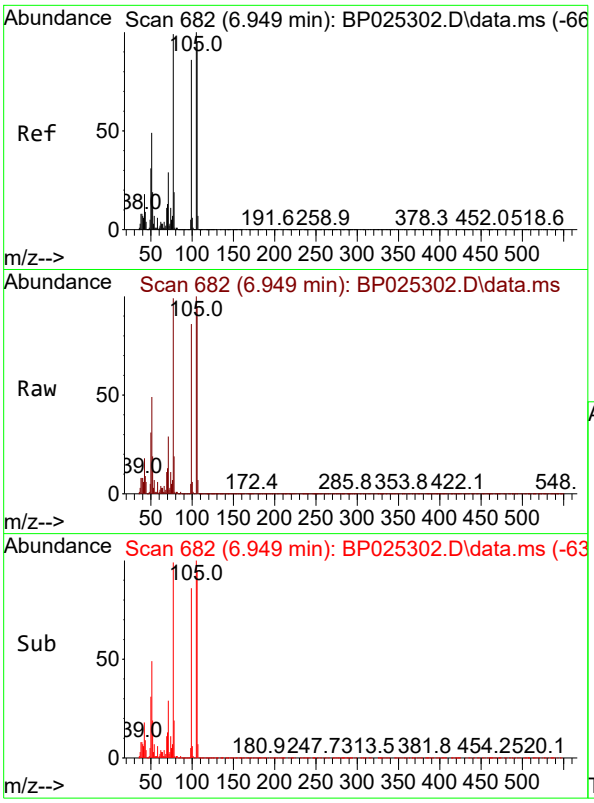


#8
2-Chlorophenol
Concen: 39.670 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:128 Resp: 545256

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	46.1	26.1	66.1

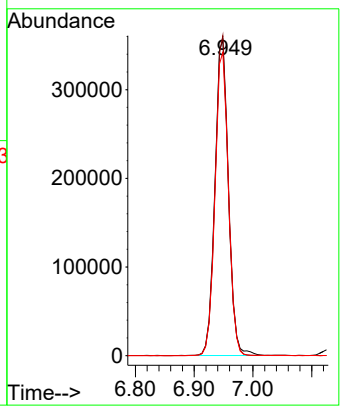




#9
Benzaldehyde
Concen: 48.256 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 56641

Ion	Ratio	Lower	Upper
77	100		
105	101.4	81.4	121.4
106	96.2	76.2	116.2



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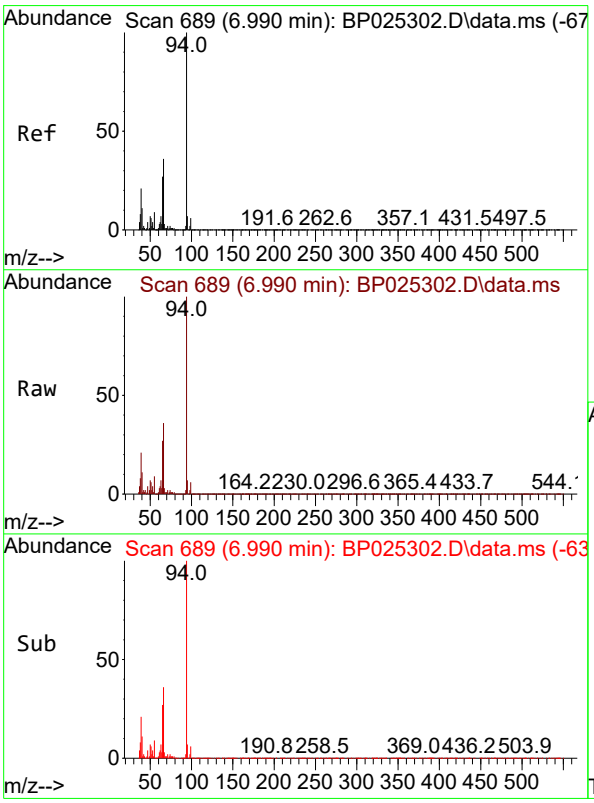
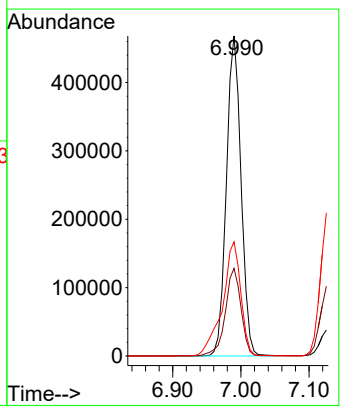
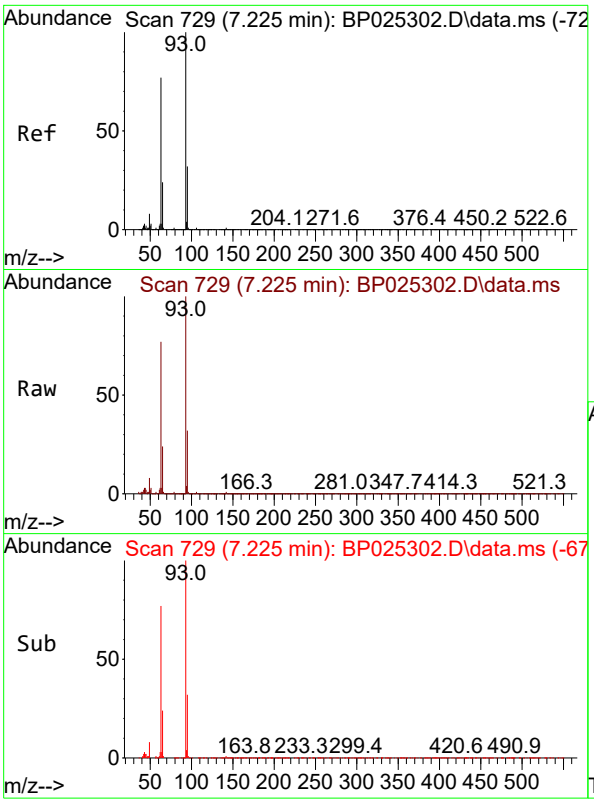


#10
Phenol
Concen: 39.538 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 94 Resp: 699120

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	35.7	15.7	55.7

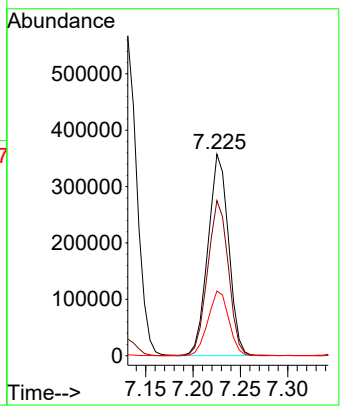




#11
bis(2-Chloroethyl)ether
Concen: 38.975 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 53998

Ion	Ratio	Lower	Upper
93	100		
63	77.0	57.0	97.0
95	32.1	12.1	52.1



Instrument :
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ClientSampleId :
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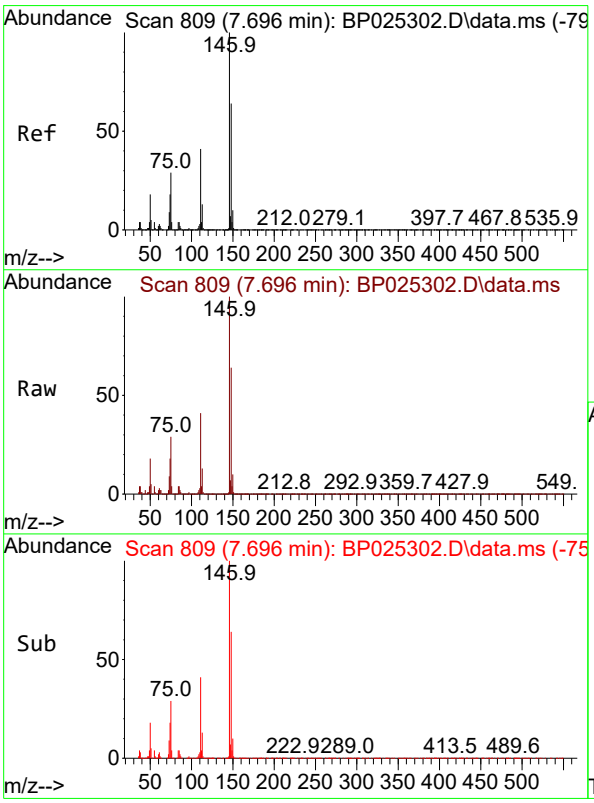
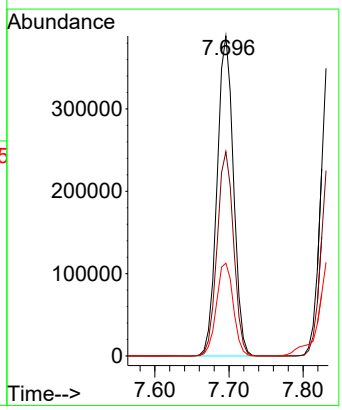
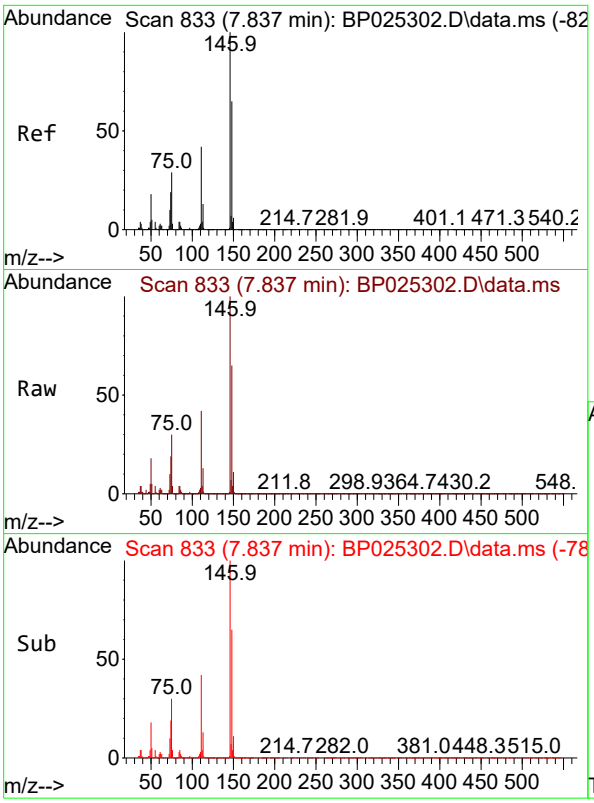


#12
1,3-Dichlorobenzene
Concen: 38.533 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 595110

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	29.0	23.2	34.8

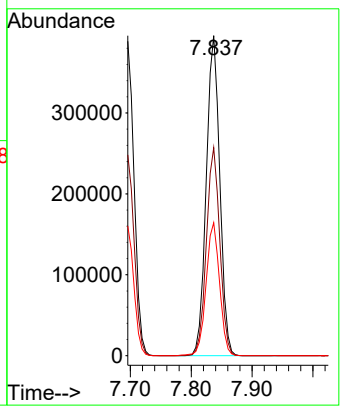




#13
1,4-Dichlorobenzene
Concen: 38.983 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 60911

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	41.5	33.2	49.8



Instrument :
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ClientSampleId :
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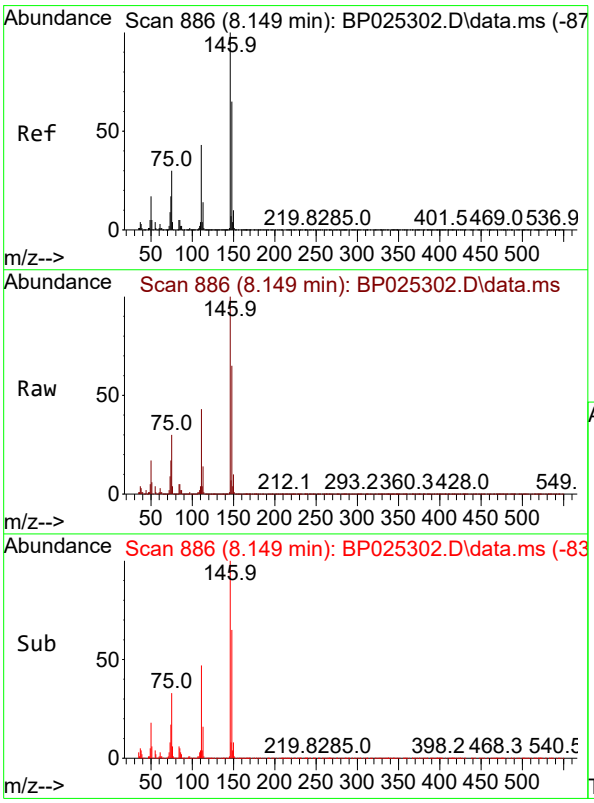
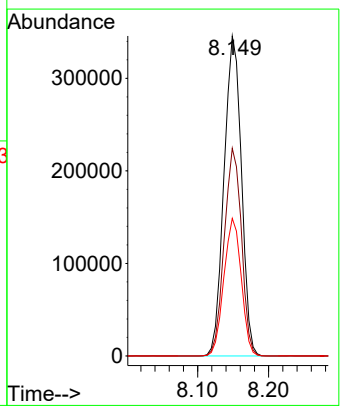
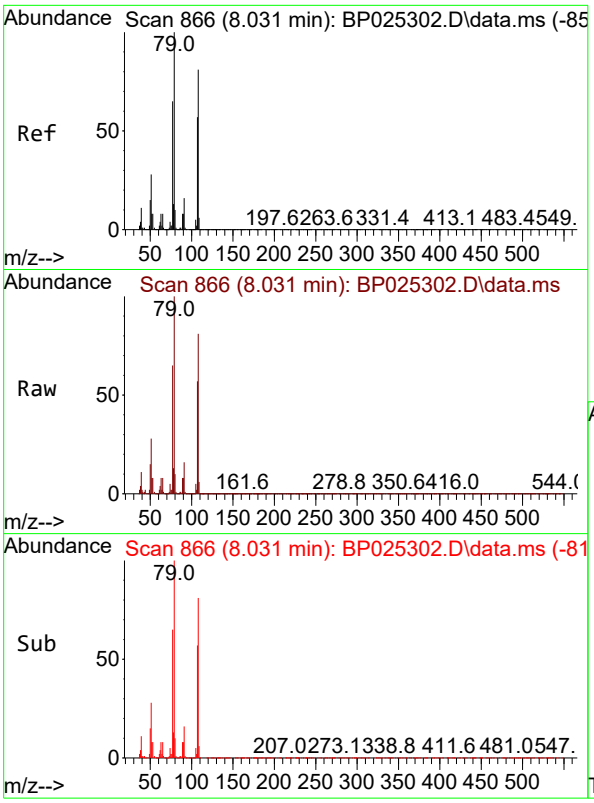


#14
1,2-Dichlorobenzene
Concen: 38.826 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 587683

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	43.0	34.4	51.6

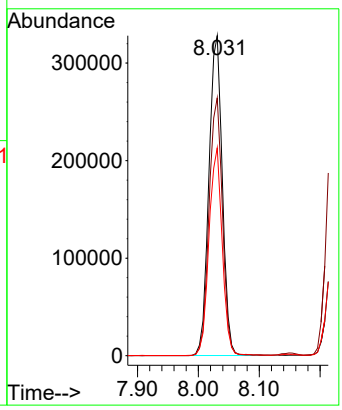




#15
Benzyl Alcohol
Concen: 39.218 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 79 Resp: 50238

Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.5	96.7
77	64.9	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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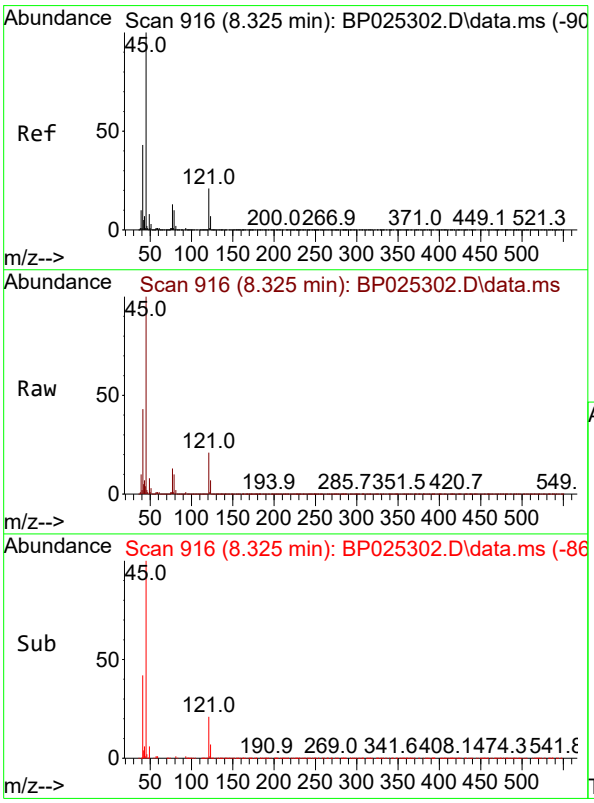
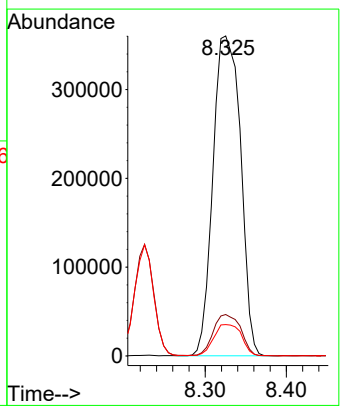
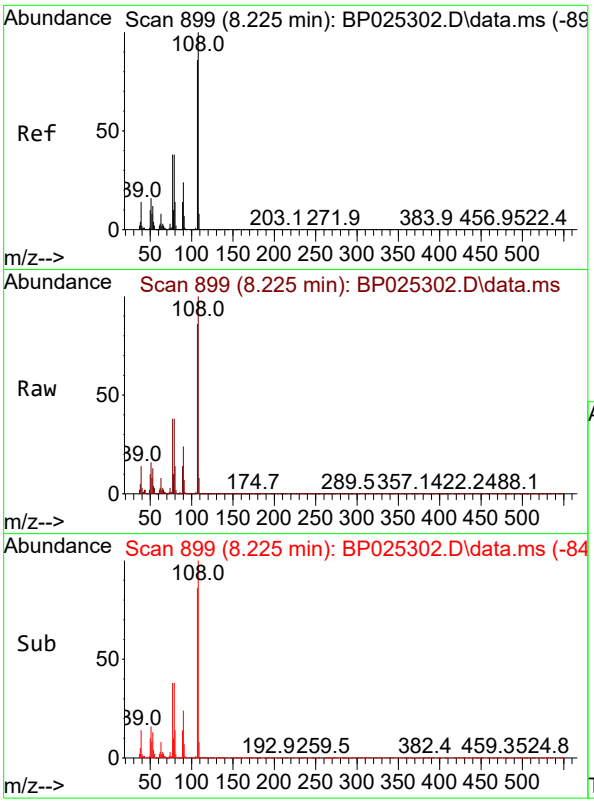


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.879 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 45 Resp: 850917

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	9.8	0.0	29.8

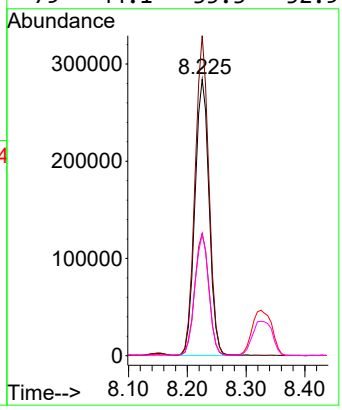




#17
2-Methylphenol
Concen: 40.146 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 47498

Ion	Ratio	Lower	Upper
107	100		
108	115.8	92.6	139.0
77	44.3	35.4	53.2
79	44.1	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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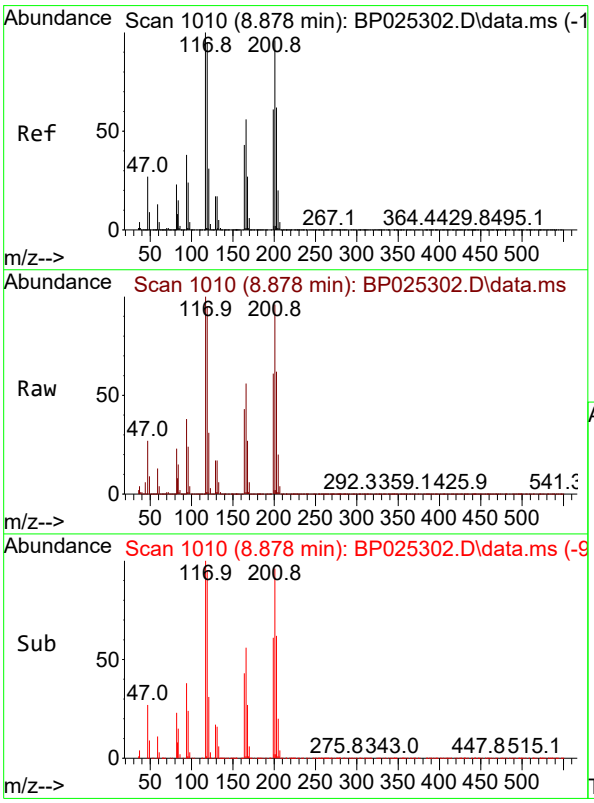
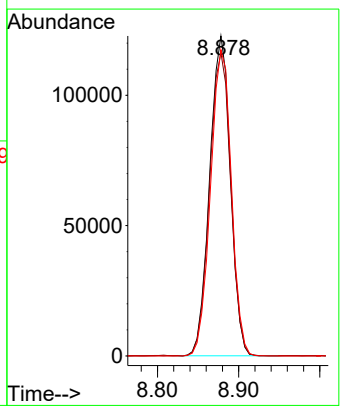
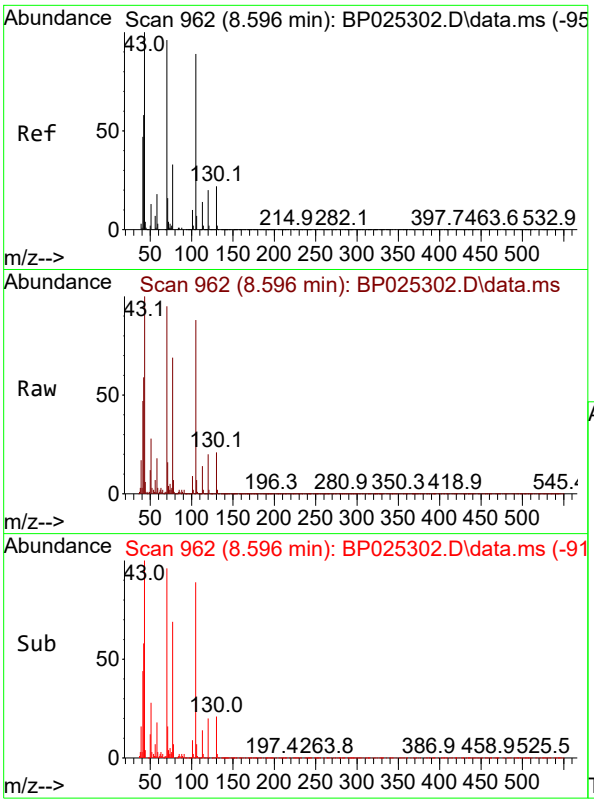


#18
Hexachloroethane
Concen: 39.037 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:117 Resp: 218135

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	95.7	76.6	114.8

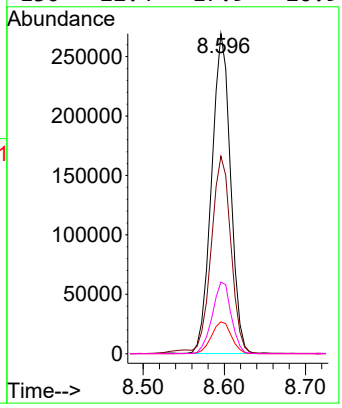




#19
n-Nitroso-di-n-propylamine
Concen: 40.160 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 70 Resp: 43605

Ion	Ratio	Lower	Upper
70	100		
42	61.7	49.4	74.0
101	9.9	7.9	11.9
130	22.4	17.9	26.9



Instrument :
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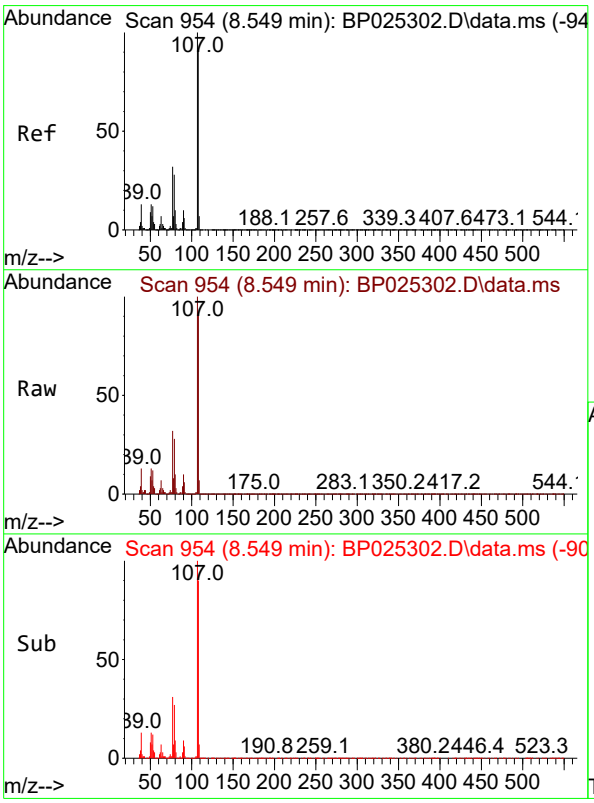
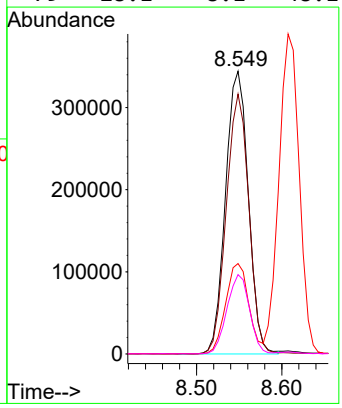
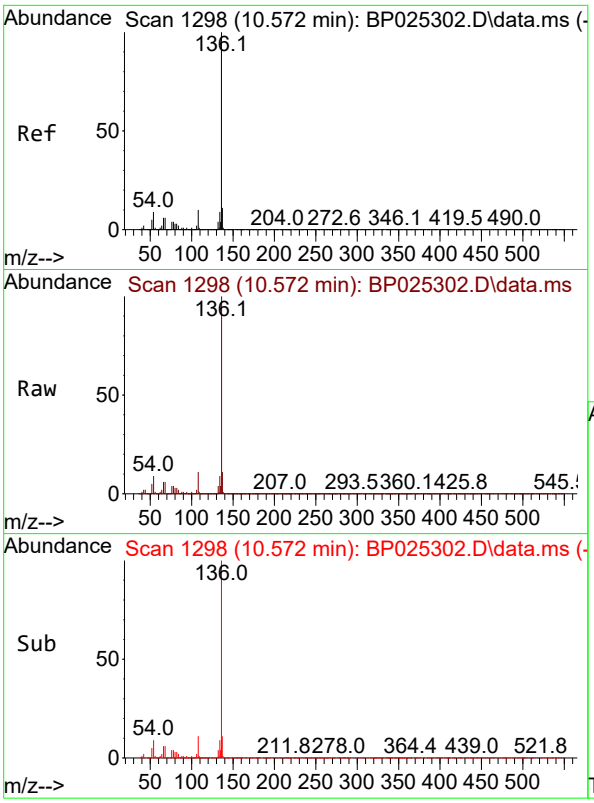


#20
3+4-Methylphenols
Concen: 39.342 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 640969

Ion	Ratio	Lower	Upper
107	100		
108	91.9	71.9	111.9
77	32.0	12.0	52.0
79	28.1	8.1	48.1

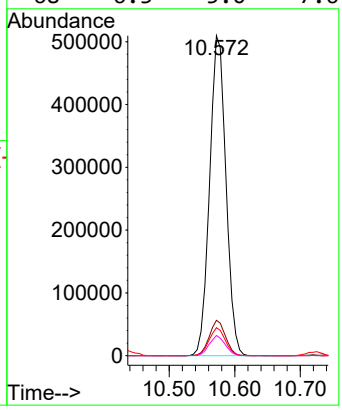




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:136 Resp: 88064

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.0	10.6
68	6.3	5.0	7.6



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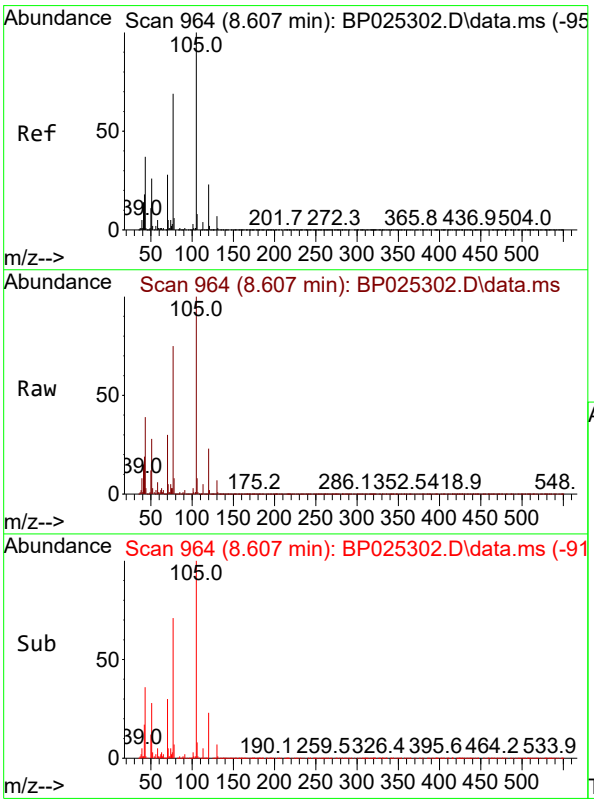
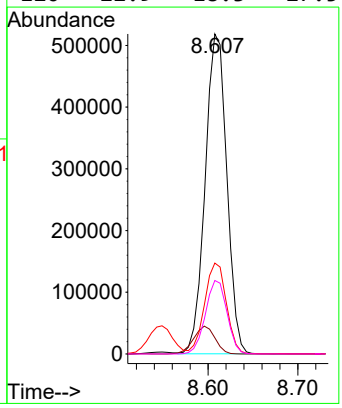
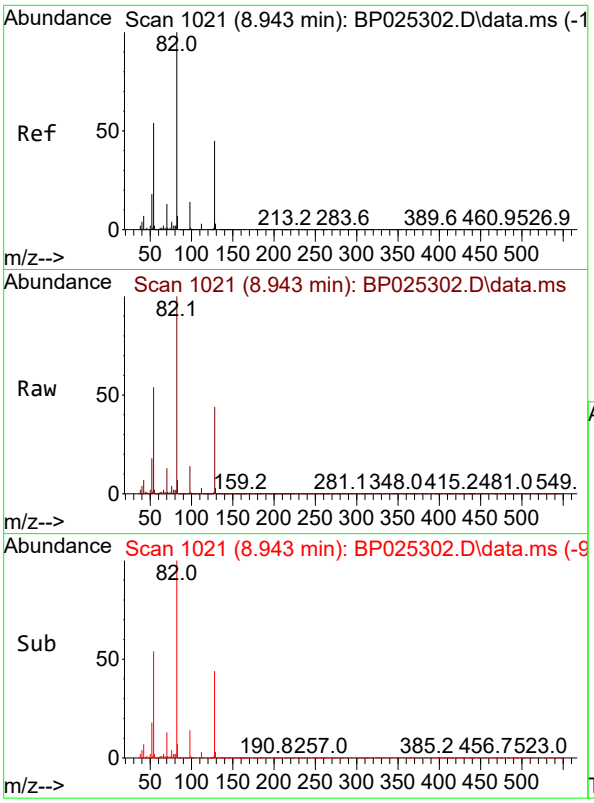


#22
Acetophenone
Concen: 39.255 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:105 Resp: 867835

Ion	Ratio	Lower	Upper
105	100		
71	5.1	4.1	6.1
51	28.4	22.7	34.1
120	22.9	18.3	27.5

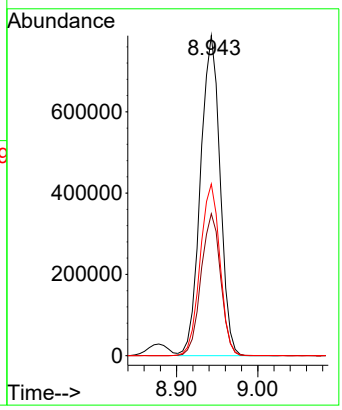




#23
Nitrobenzene-d5
Concen: 80.869 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 82 Resp: 131625

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	53.6	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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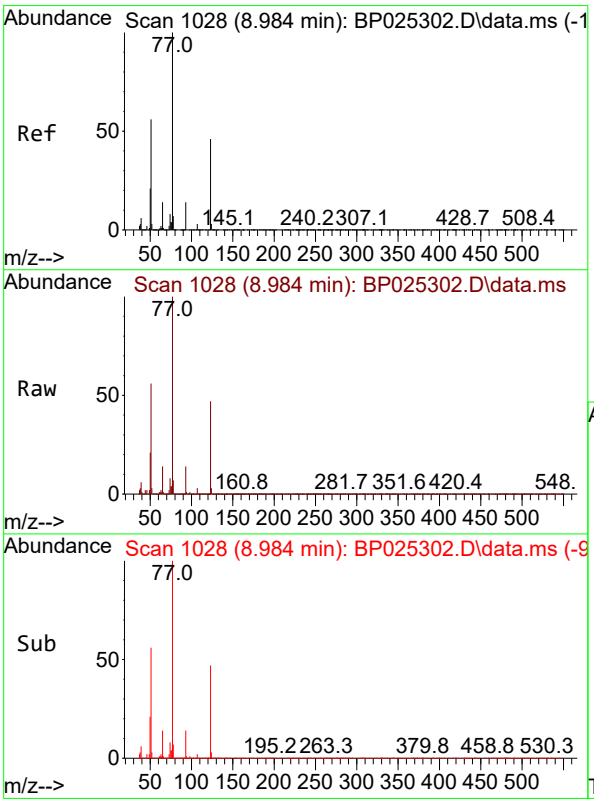
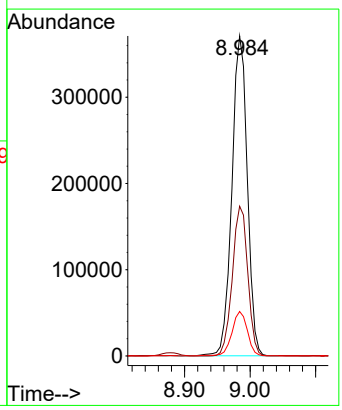
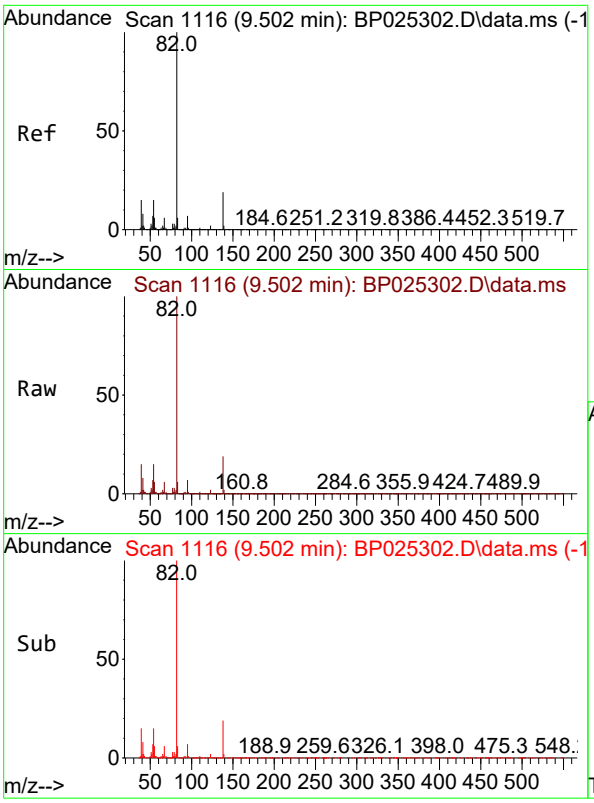


#24
Nitrobenzene
Concen: 40.280 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 606097

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.9	11.1	16.7

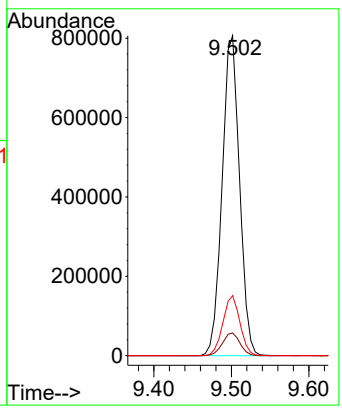




#25
Isophorone
Concen: 39.682 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 82 Resp: 125561

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.8	15.0	22.6



Instrument :
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ClientSampleId :
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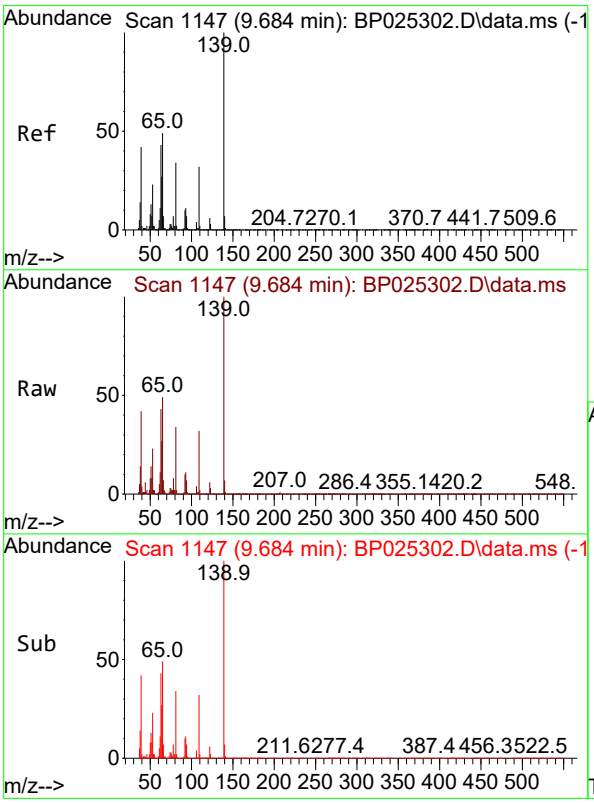
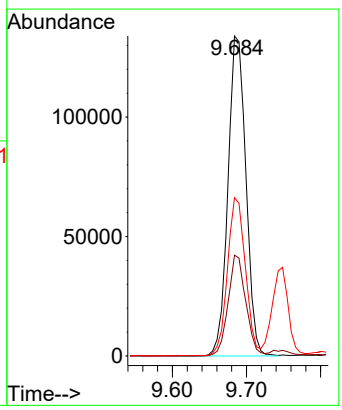
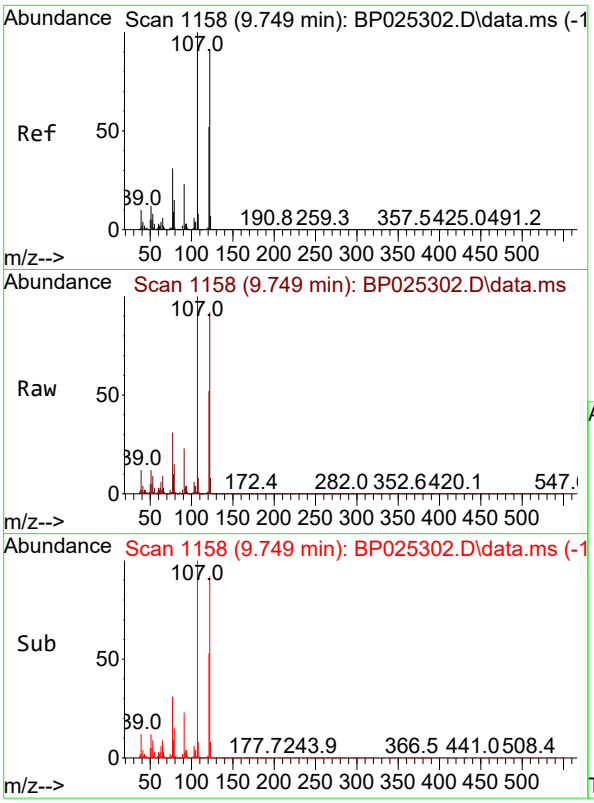


#26
2-Nitrophenol
Concen: 35.376 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 225091

Ion	Ratio	Lower	Upper
139	100		
109	31.5	25.2	37.8
65	49.5	39.6	59.4

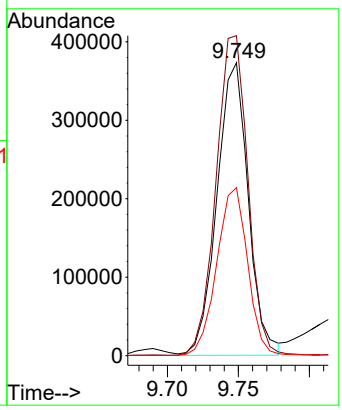




#27
2,4-Dimethylphenol
Concen: 39.137 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:122 Resp: 57093

Ion	Ratio	Lower	Upper
122	100		
107	109.2	87.4	131.0
121	57.3	45.8	68.8



Instrument :
BNA_P
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SSTDICCC040

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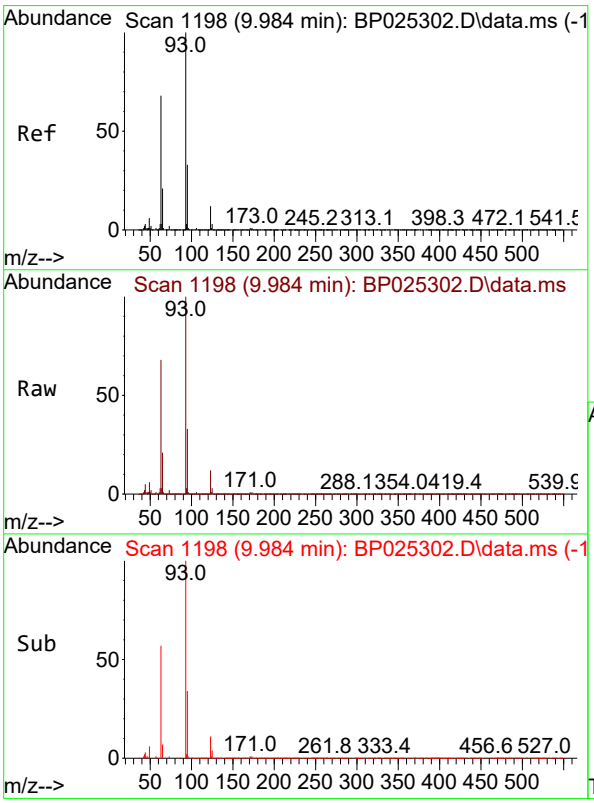
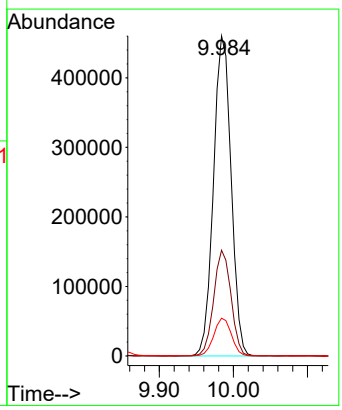
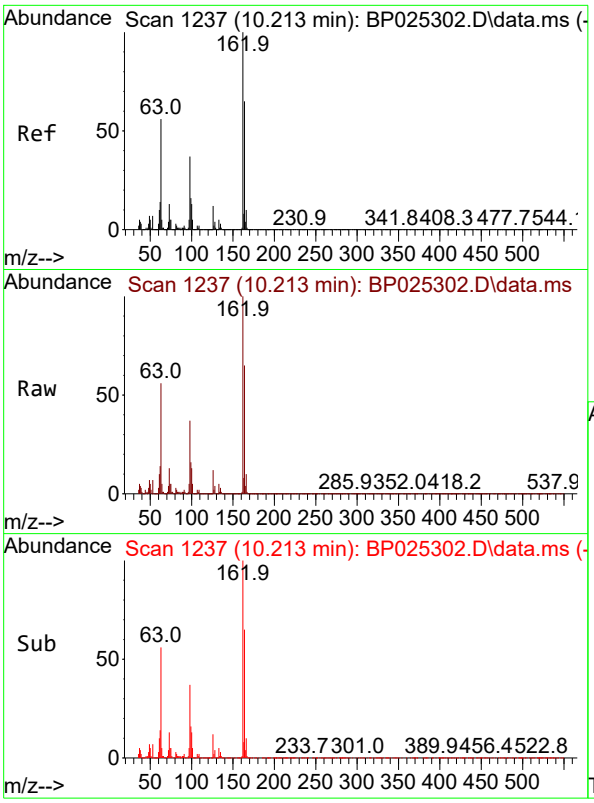


#28
bis(2-Chloroethoxy)methane
Concen: 39.476 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 759841

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	11.8	9.4	14.2





#29
2,4-Dichlorophenol
Concen: 40.884 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:162 Resp: 52215

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.2	85.2
98	37.5	17.5	57.5

Instrument :
BNA_P
ClientSampleId :
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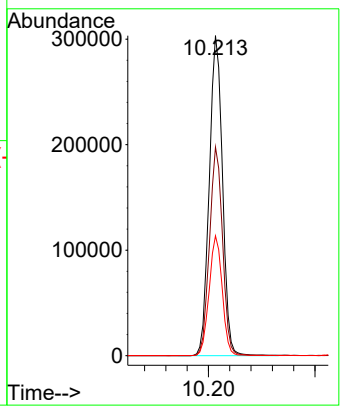
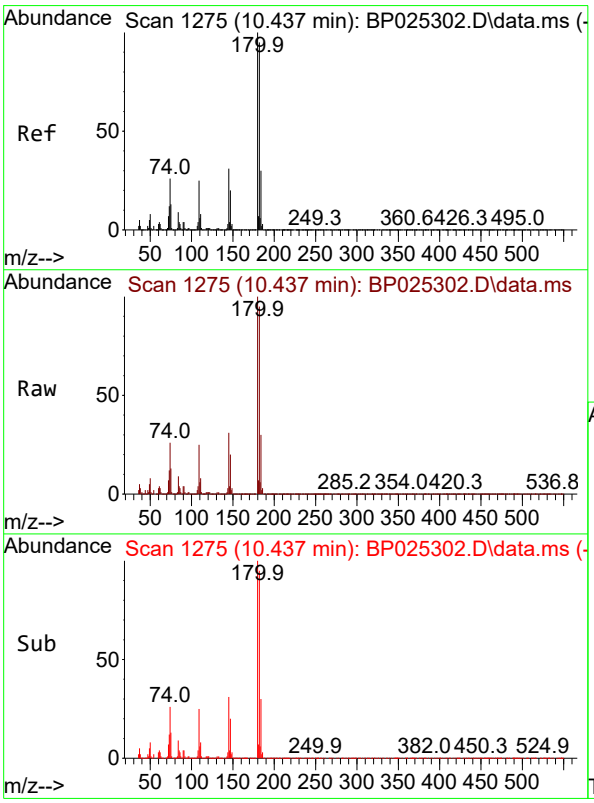
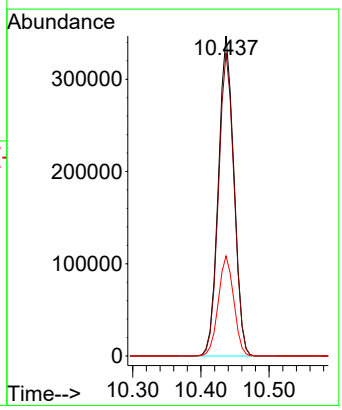


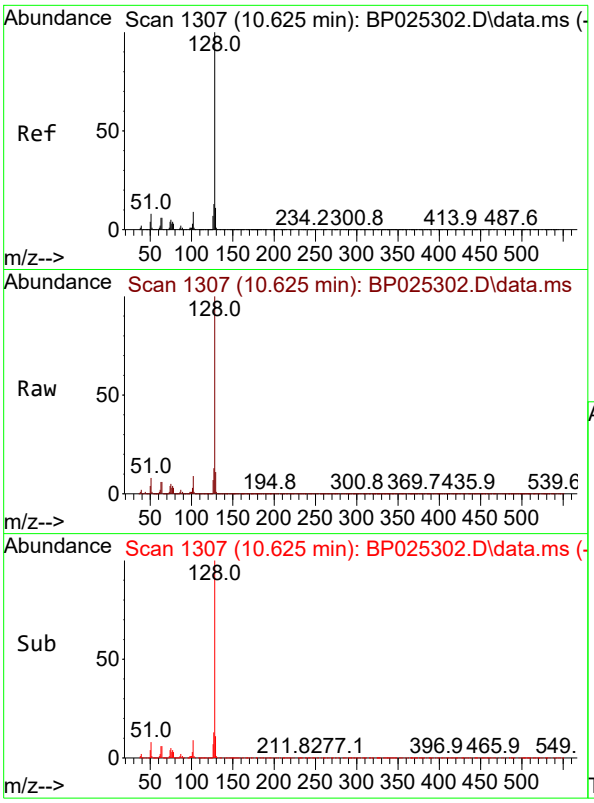


#30
1,2,4-Trichlorobenzene
Concen: 38.956 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:180 Resp: 548893

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	31.2	25.0	37.4

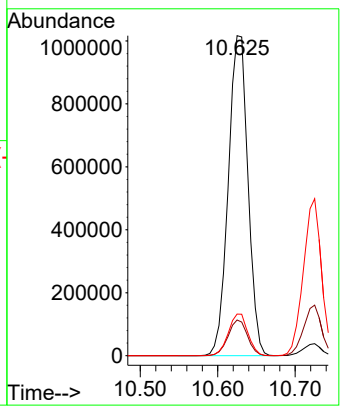




#31
Naphthalene
Concen: 39.178 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:128 Resp: 179108

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.4	15.6



Instrument :
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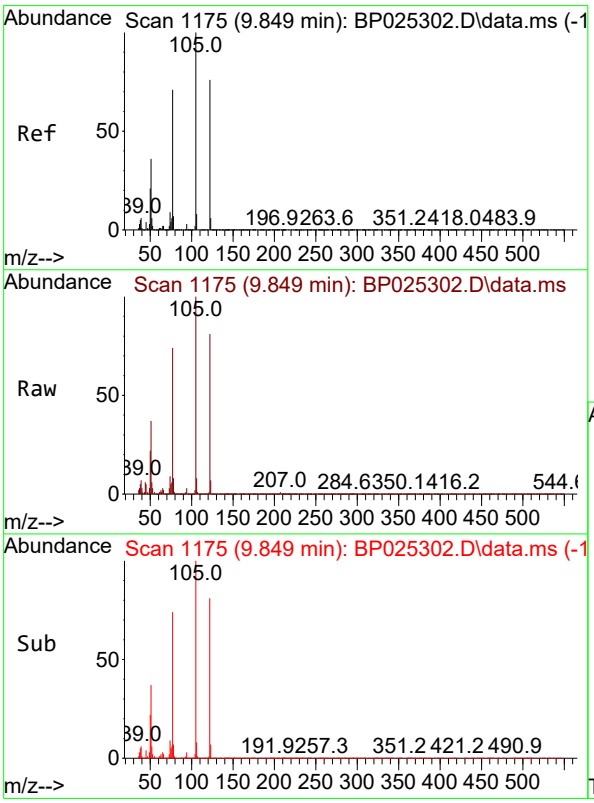
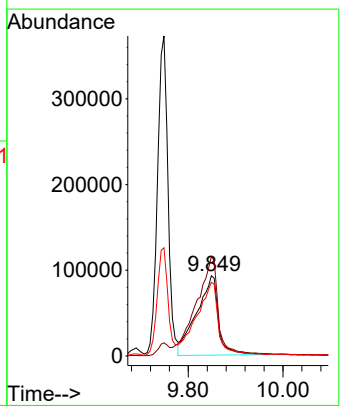
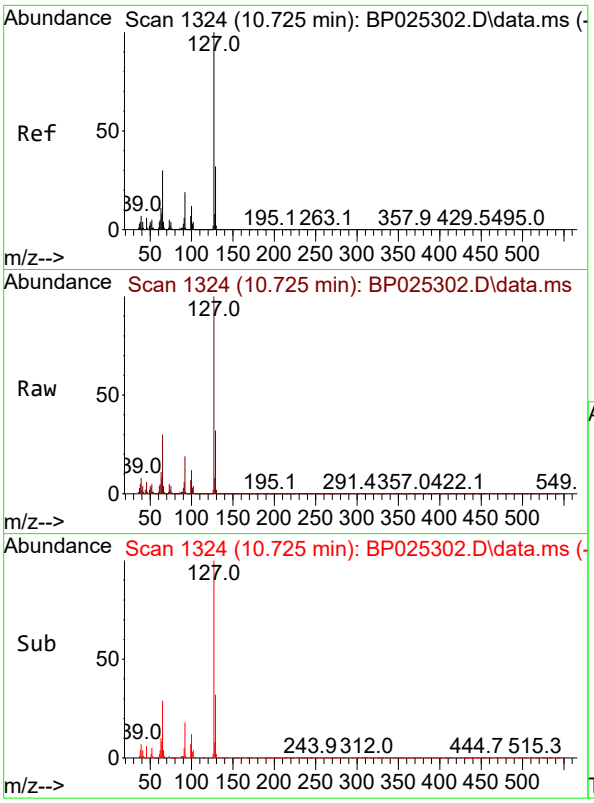


#32
Benzoic acid
Concen: 38.952 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:122 Resp: 297213

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.0	144.0
77	91.8	71.8	111.8

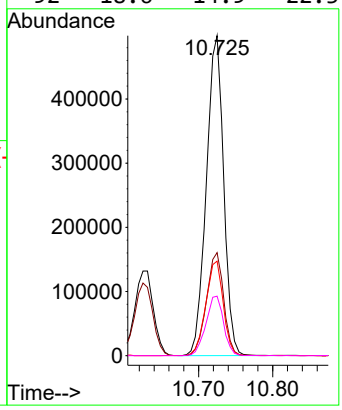




#33
4-Chloroaniline
Concen: 39.774 ng
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:127 Resp: 80871

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.5	23.6	35.4
92	18.6	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
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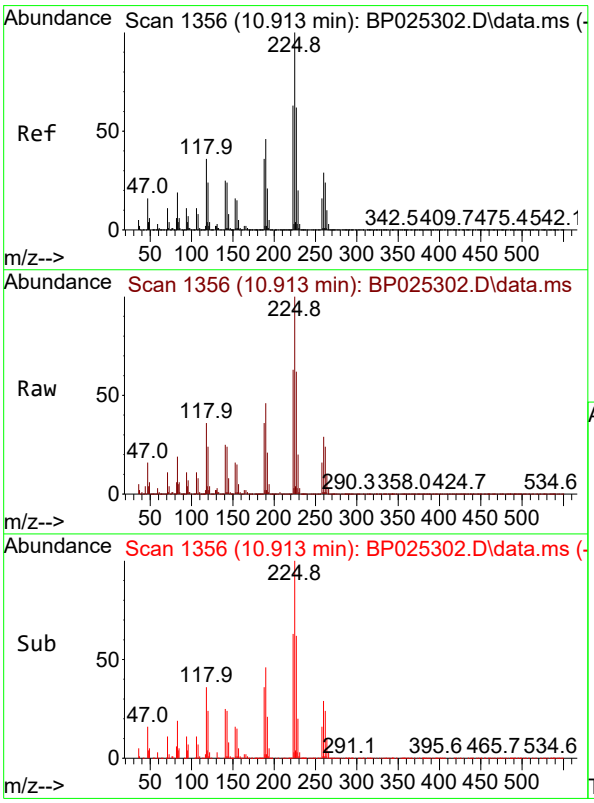
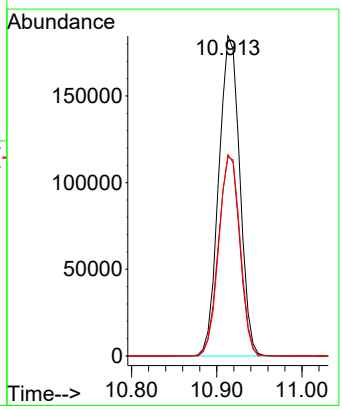
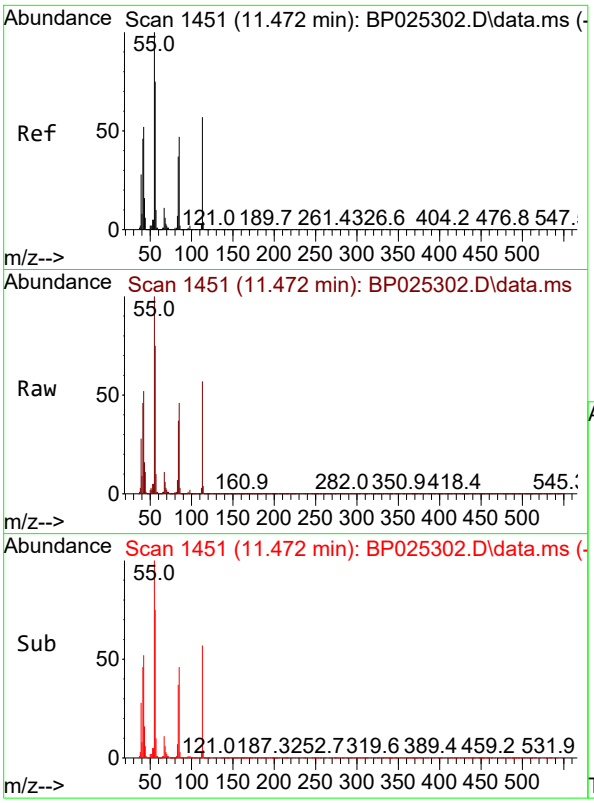


#34
Hexachlorobutadiene
Concen: 39.122 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:225 Resp: 316426

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.1	49.7	74.5

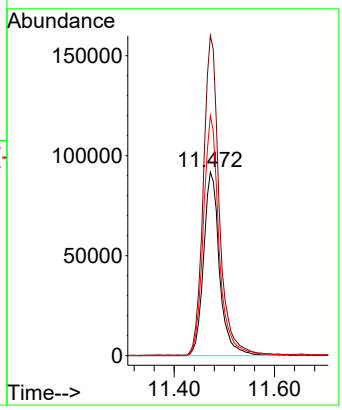




#35
Caprolactam
Concen: 40.802 ng
RT: 11.472 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:113 Resp: 20260

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	130.9	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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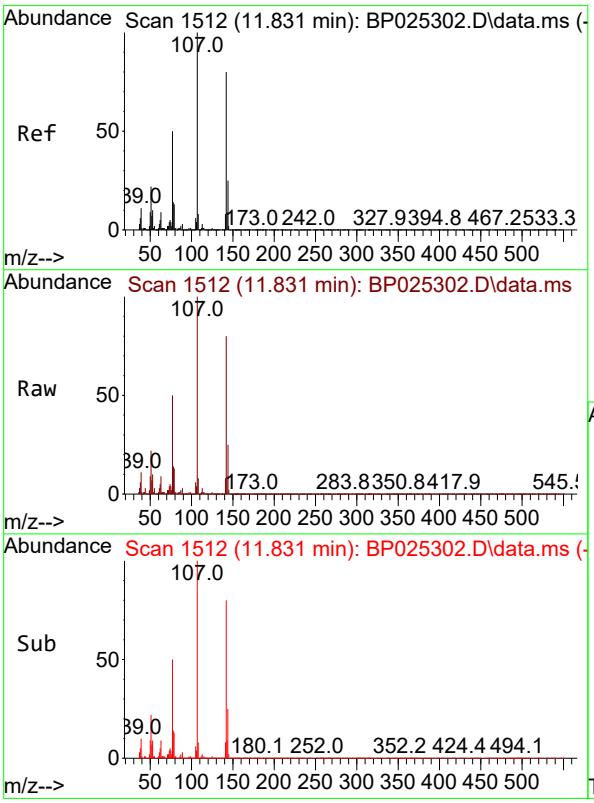
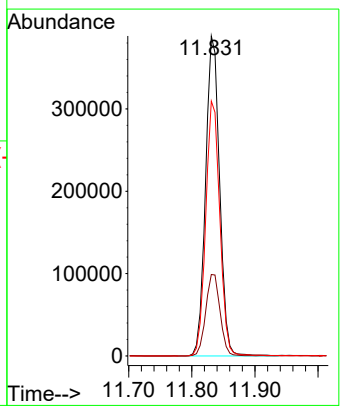
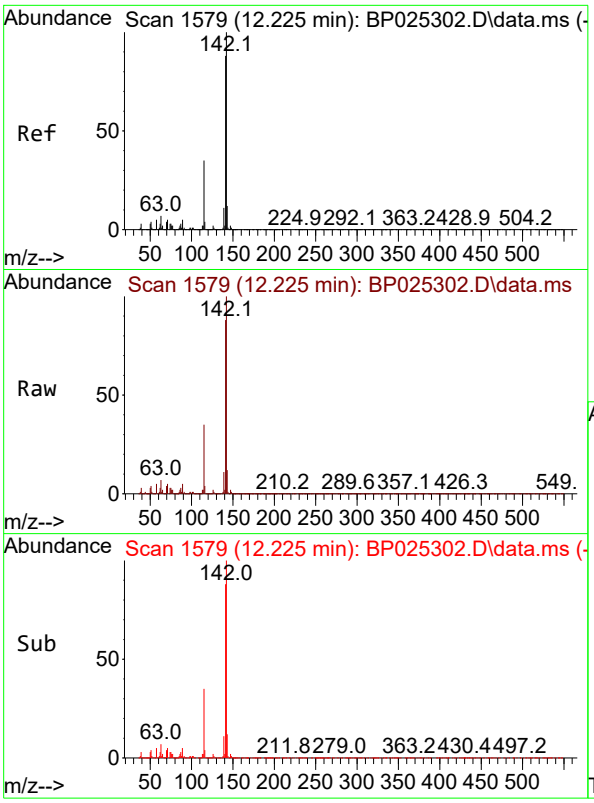


#36
4-Chloro-3-methylphenol
Concen: 40.617 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 600241

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	79.6	63.7	95.5

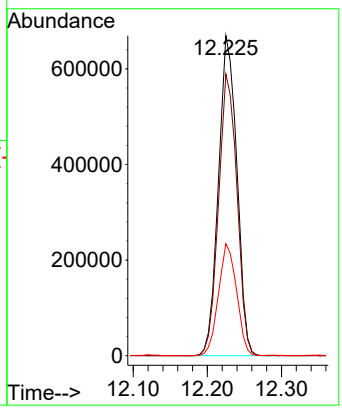




#37
2-Methylnaphthalene
Concen: 39.028 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:142 Resp: 115483

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	35.0	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
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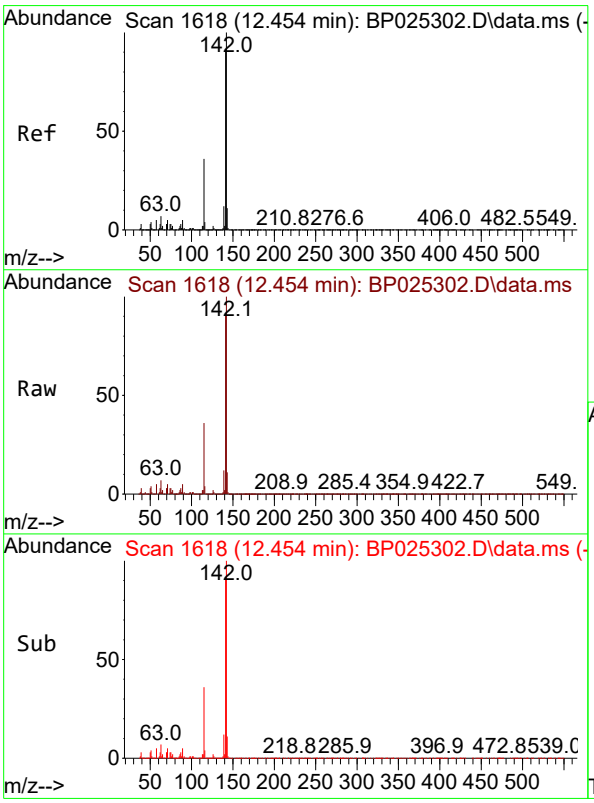
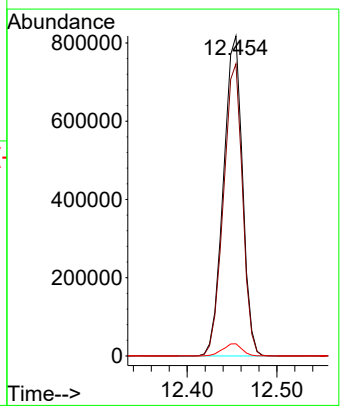
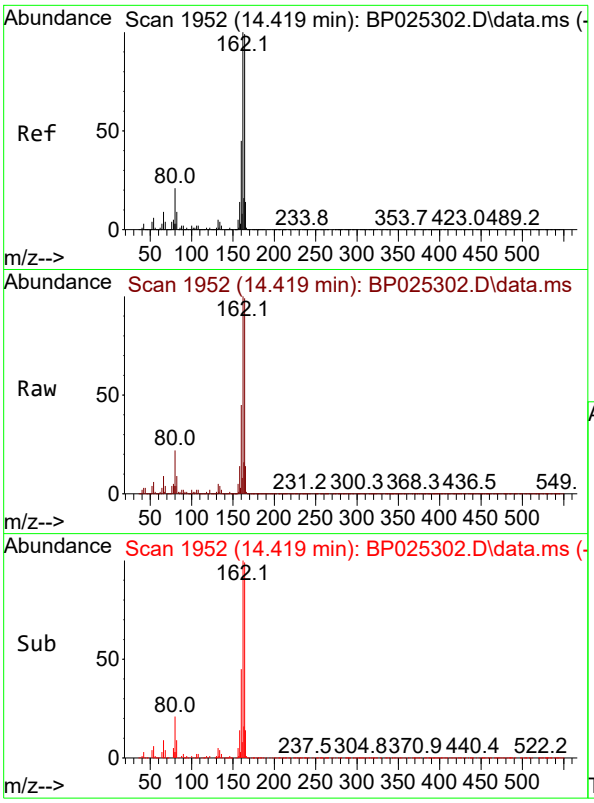


#38
1-Methylnaphthalene
Concen: 39.032 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:142 Resp: 1205124

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
116	3.8	3.0	4.6

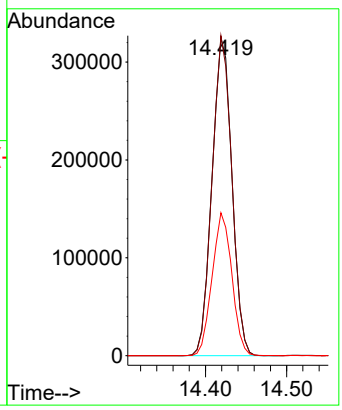




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:164 Resp: 55428

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.9	35.9	53.9



Instrument :
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ClientSampleId :
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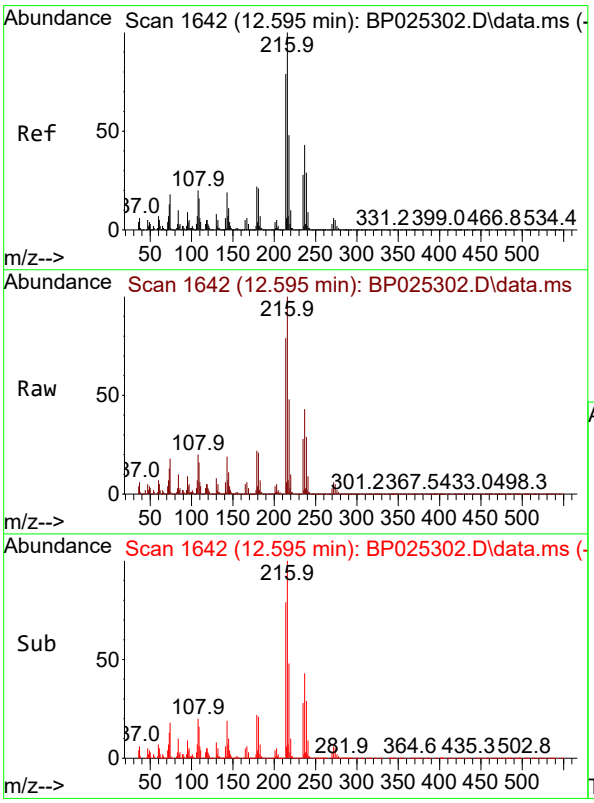
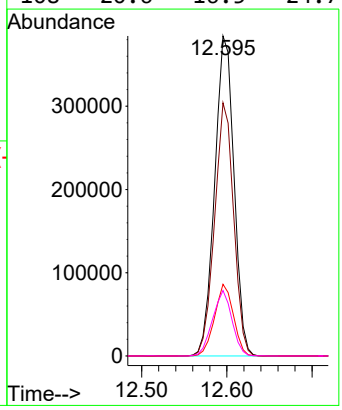
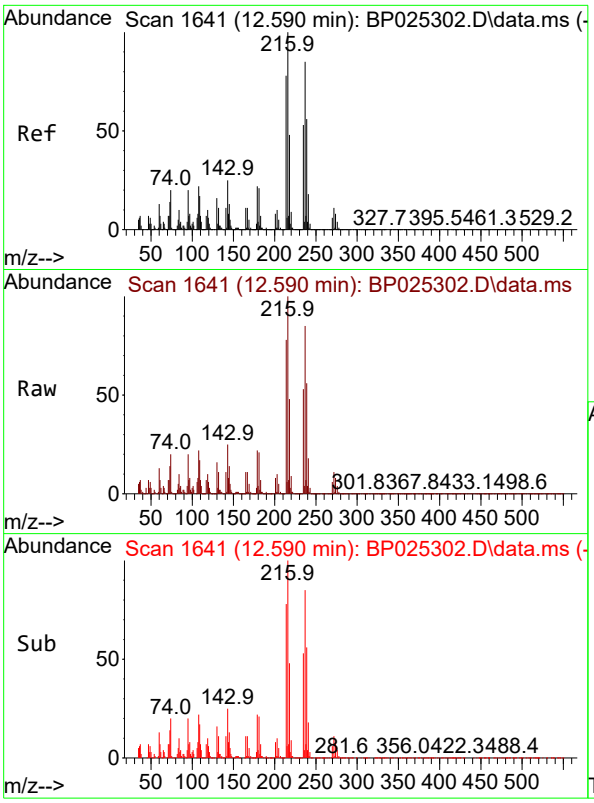


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.051 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:216 Resp: 606083

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.4	93.6
179	21.9	17.5	26.3
108	20.6	16.5	24.7

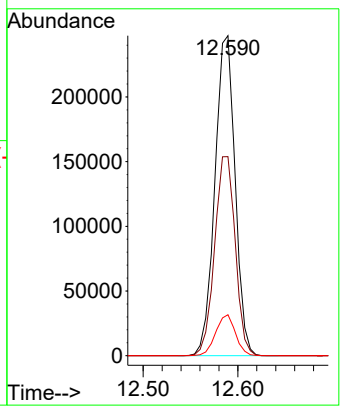




#41
Hexachlorocyclopentadiene
Concen: 39.278 ng
RT: 12.590 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:237 Resp: 36685(

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.2	82.2
272	12.8	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
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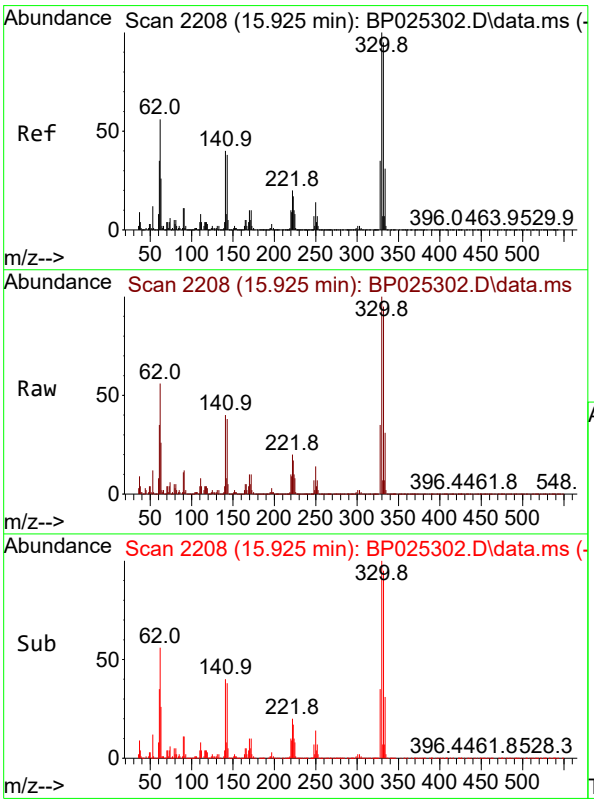
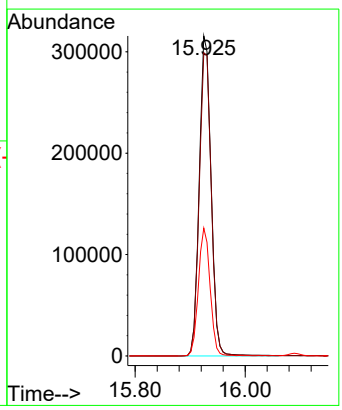
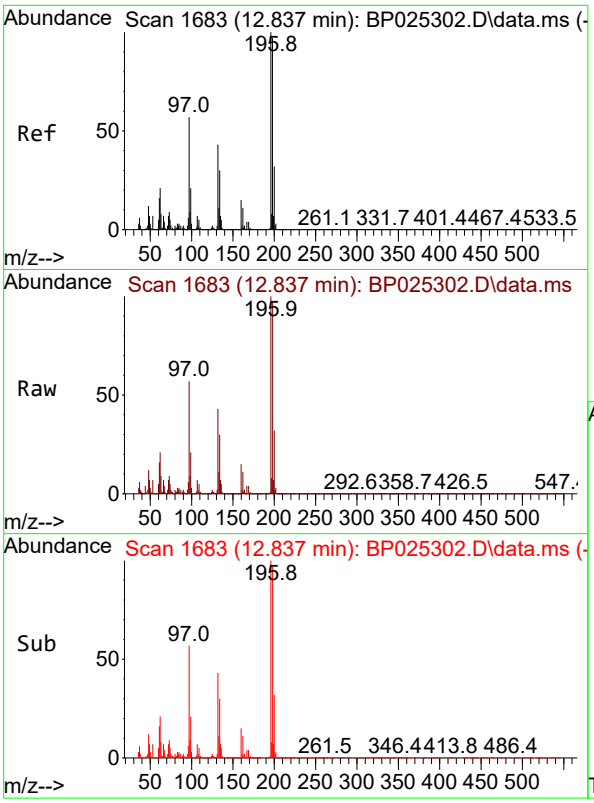


#42
2,4,6-Tribromophenol
Concen: 82.296 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:330 Resp: 470979

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	39.6	31.7	47.5

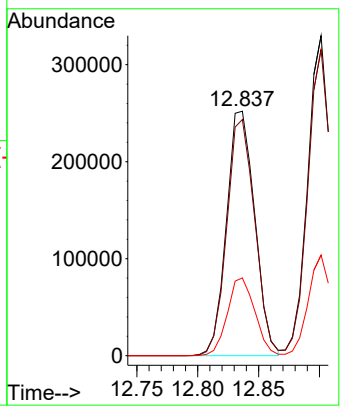




#43
2,4,6-Trichlorophenol
Concen: 41.576 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:196 Resp: 40643

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
200	31.8	25.4	38.2



Instrument :
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ClientSampleId :
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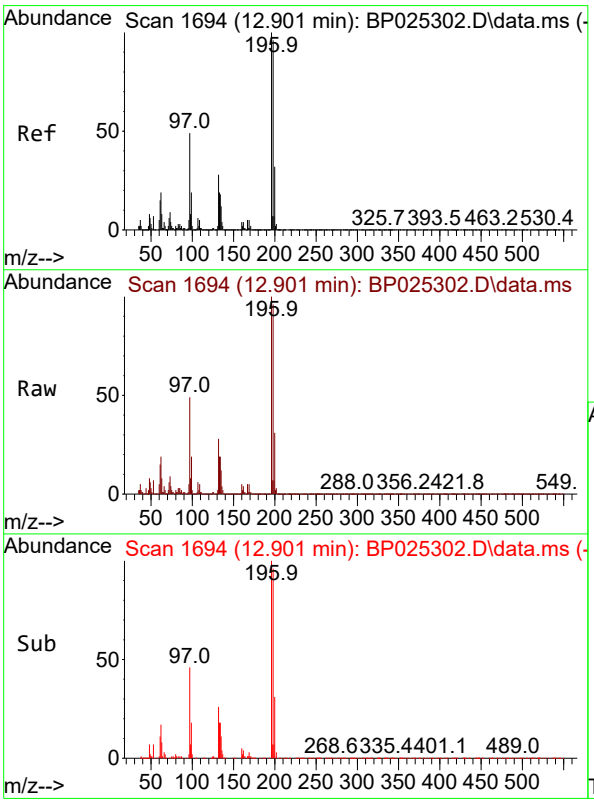
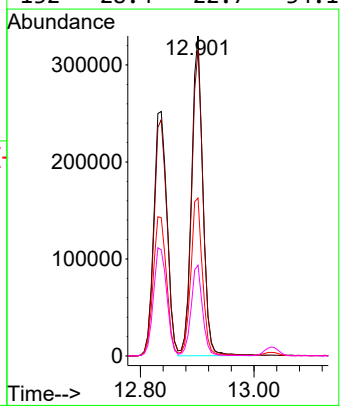
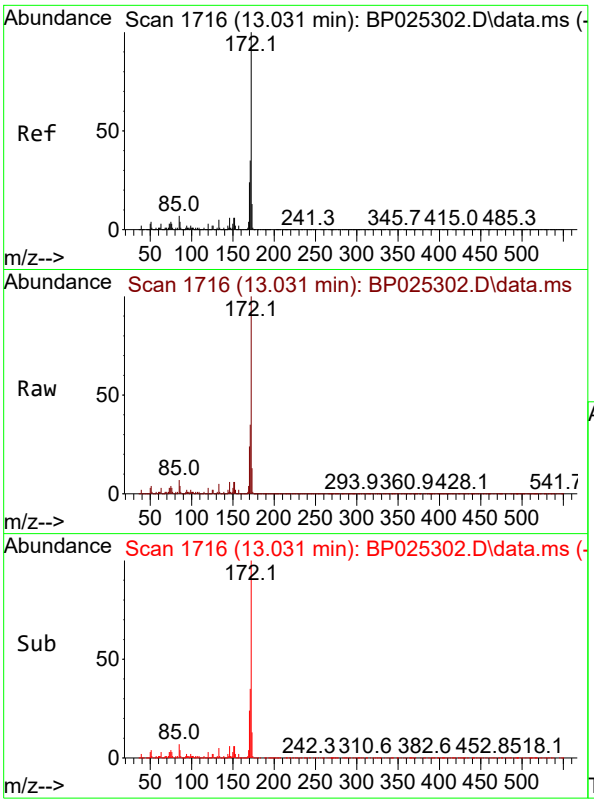


#44
2,4,5-Trichlorophenol
Concen: 41.667 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:196 Resp: 456928

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	49.4	39.5	59.3
132	28.4	22.7	34.1

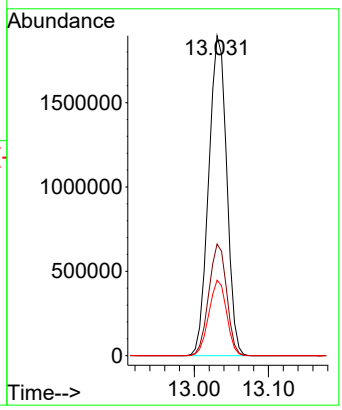




#45
2-Fluorobiphenyl
Concen: 80.179 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:172 Resp: 320051

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.6	18.9	28.3



Instrument :
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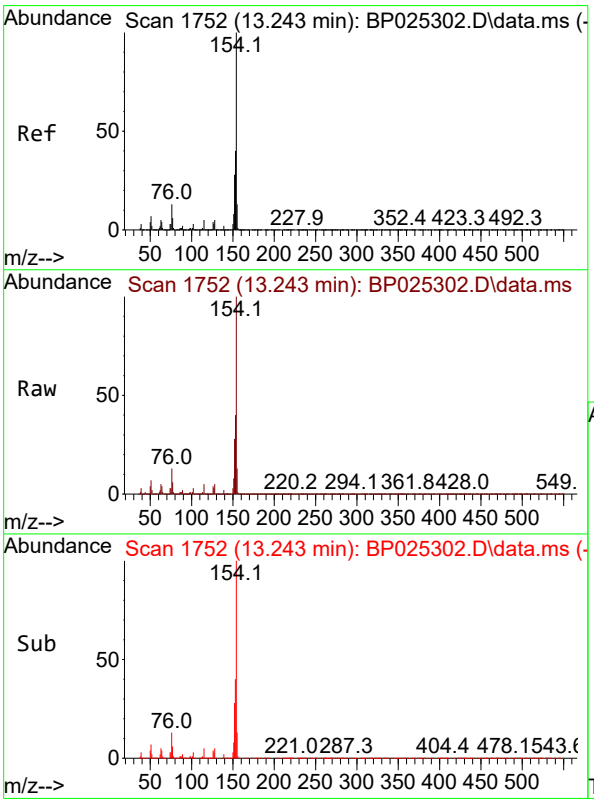
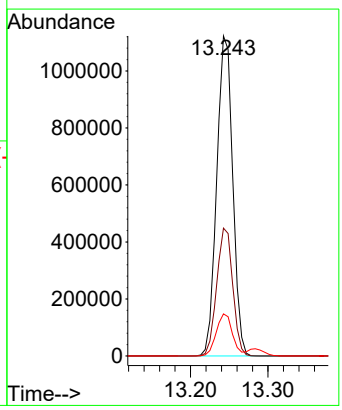
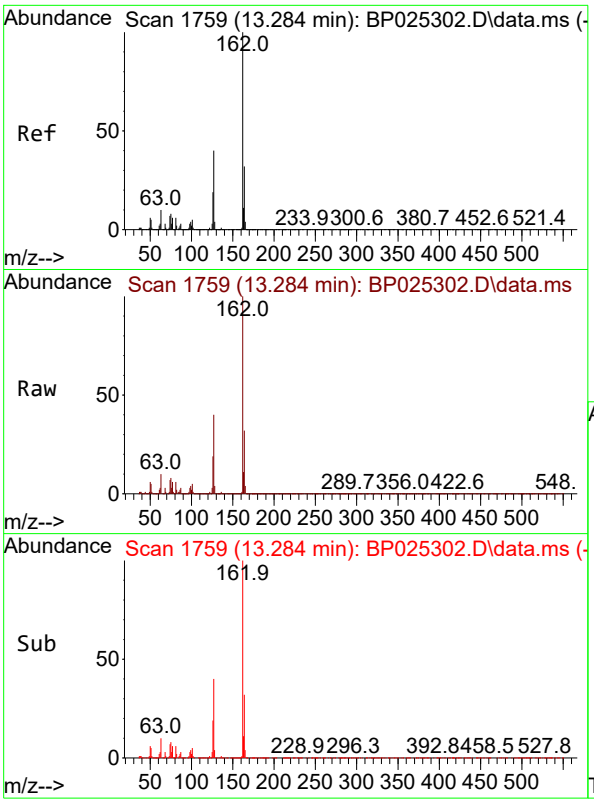


#46
1,1'-Biphenyl
Concen: 39.314 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1605905

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.2	0.0	33.2

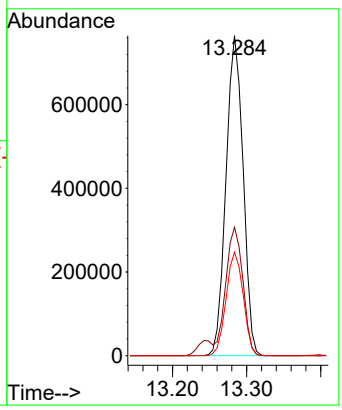




#47
2-Chloronaphthalene
Concen: 39.335 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:162 Resp: 122584

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	32.4	25.9	38.9



Instrument :
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ClientSampleId :
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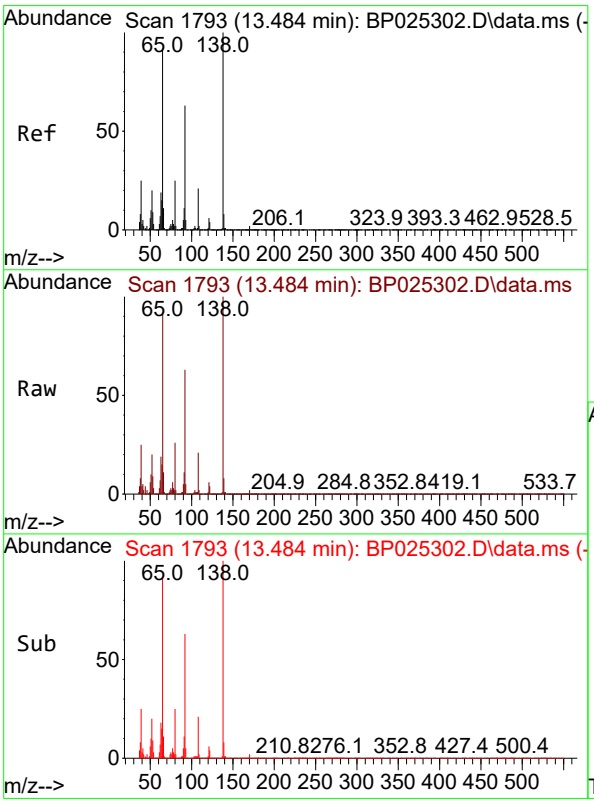
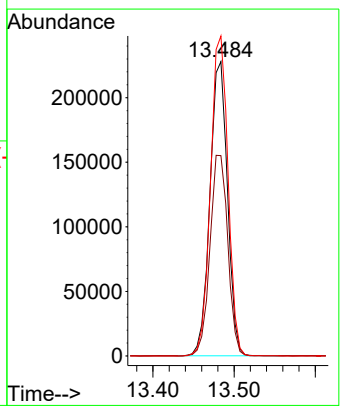
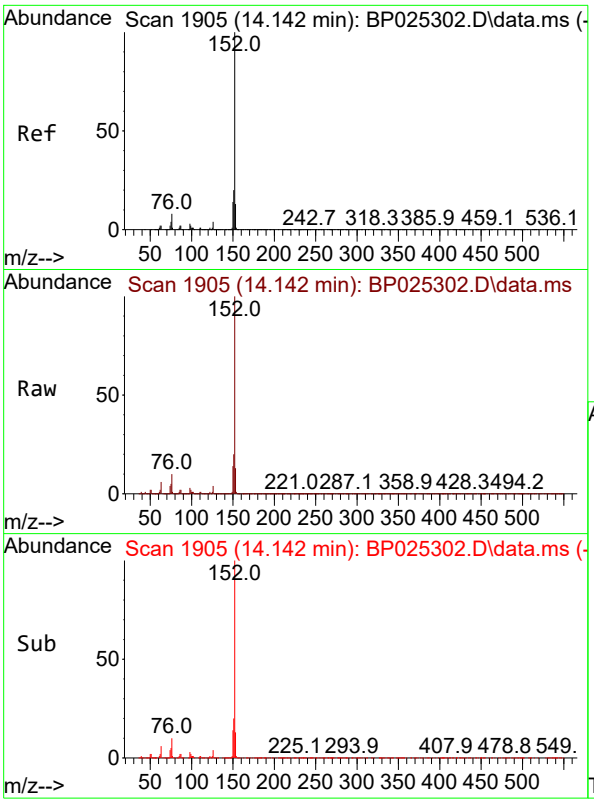


#48
2-Nitroaniline
Concen: 38.066 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 65 Resp: 341536

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	108.7	87.0	130.4

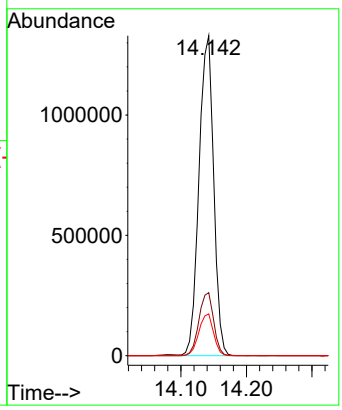




#49
Acenaphthylene
Concen: 39.828 ng
RT: 14.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:152 Resp: 207034

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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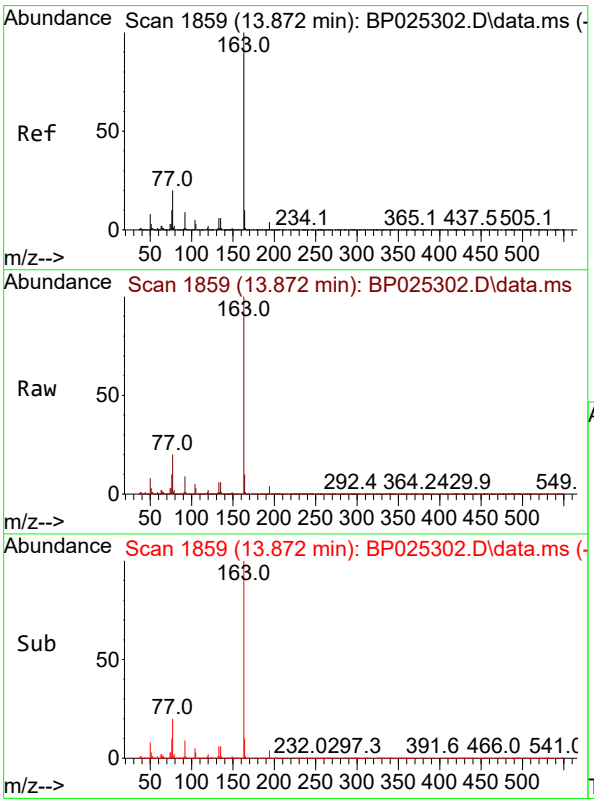
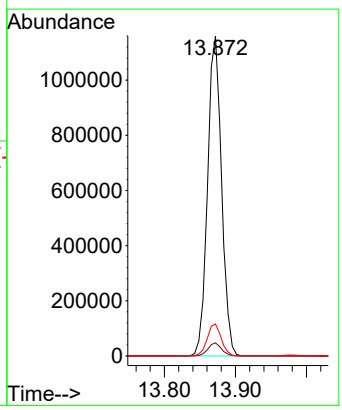
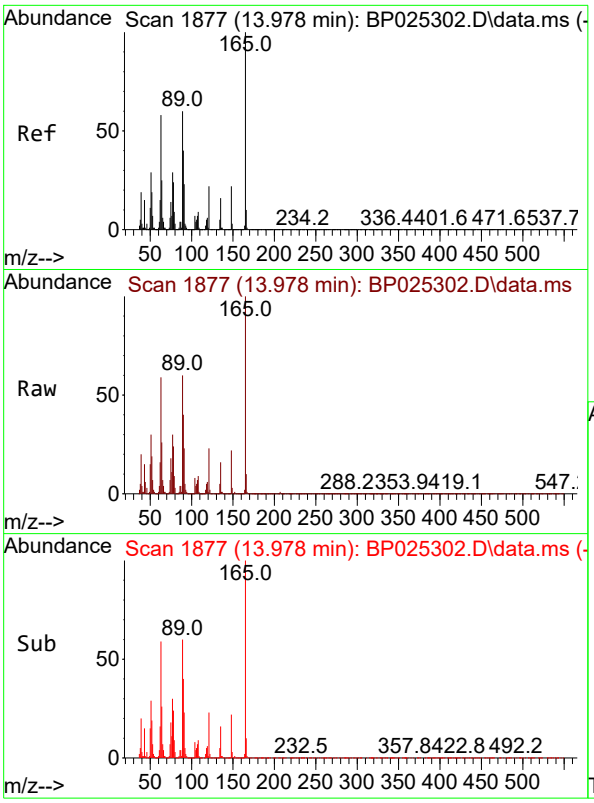


#50
Dimethylphthalate
Concen: 39.258 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:163 Resp: 1586291

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 42.760 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:165 Resp: 31870

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.6	71.4
89	59.8	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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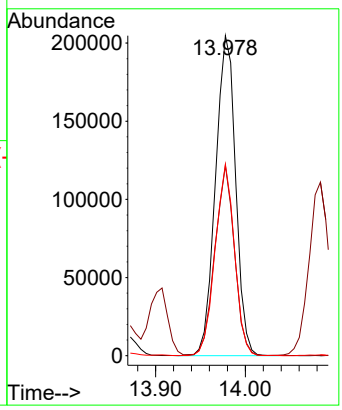
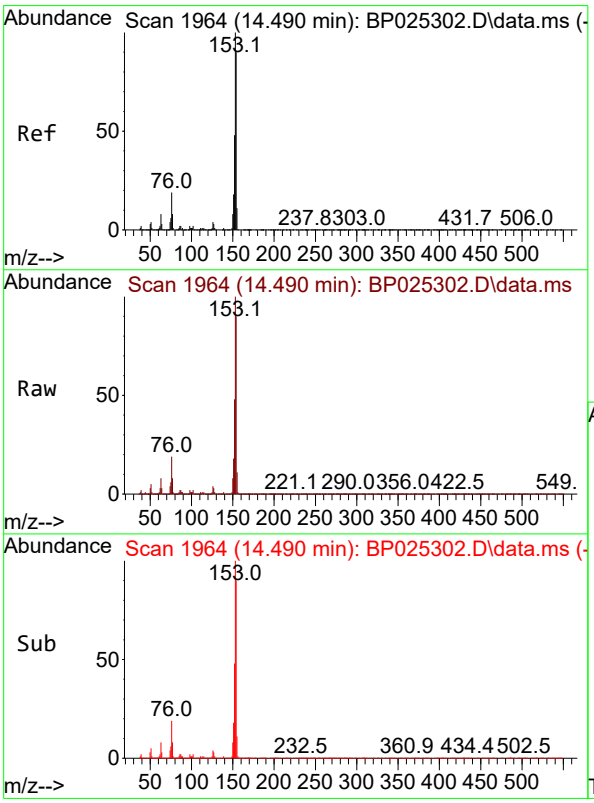
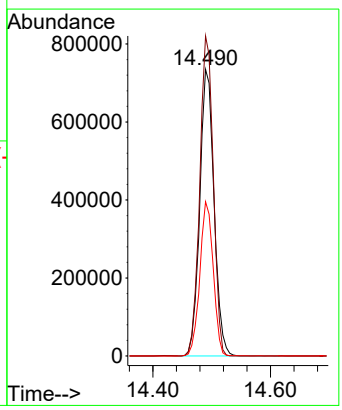


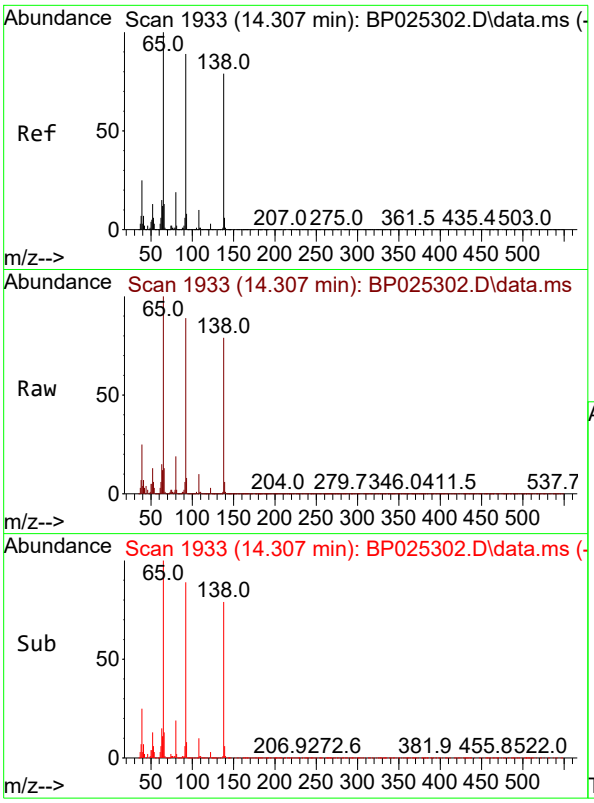


#52
Acenaphthene
Concen: 38.947 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1234915

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	53.8	43.0	64.6





#53
3-Nitroaniline
Concen: 42.324 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:138 Resp: 36912

Ion	Ratio	Lower	Upper
138	100		
108	13.1	10.5	15.7
92	113.6	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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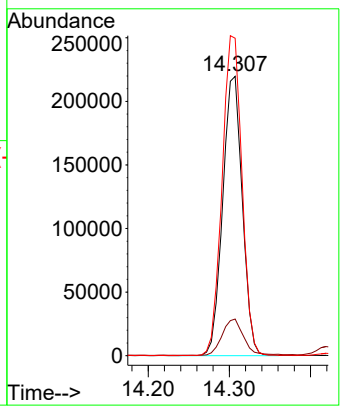
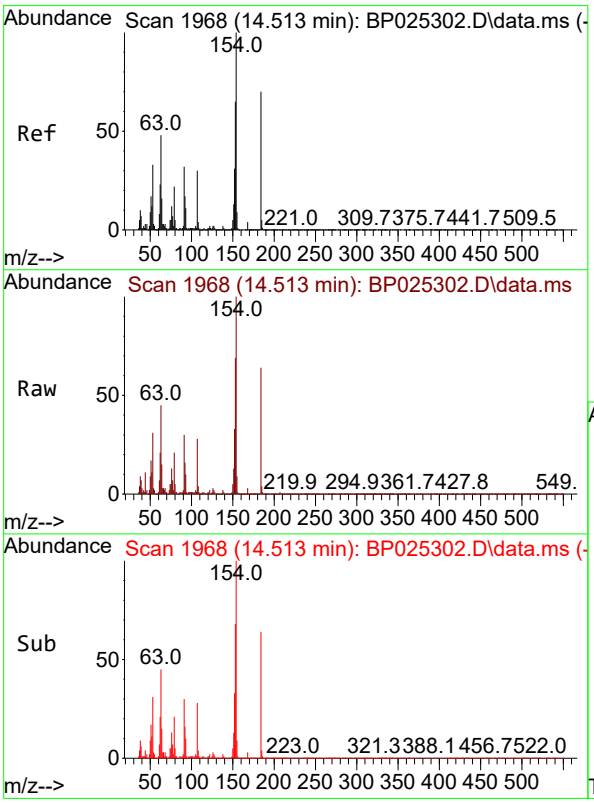
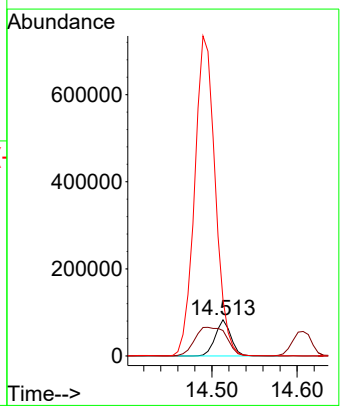


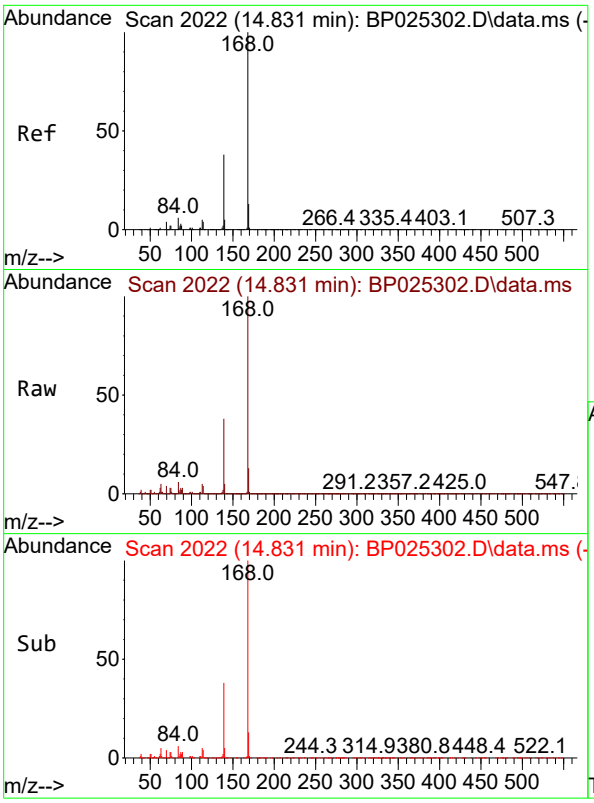


#54
2,4-Dinitrophenol
Concen: 38.143 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:184 Resp: 105656

Ion	Ratio	Lower	Upper
184	100		
63	70.4	56.3	84.5
154	155.6	124.5	186.7

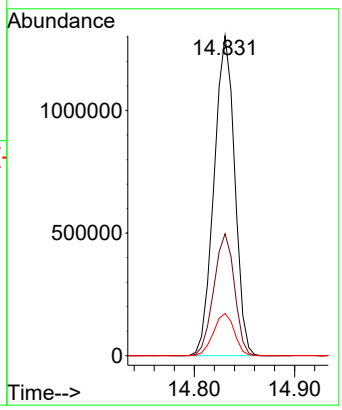




#55
Dibenzofuran
Concen: 39.336 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:168 Resp: 186387

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7
169	13.2	10.6	15.8



Instrument :
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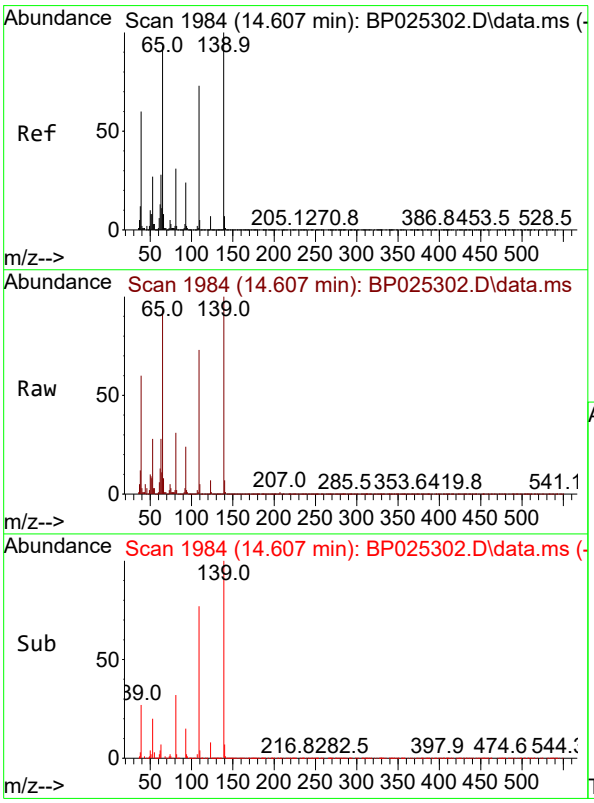
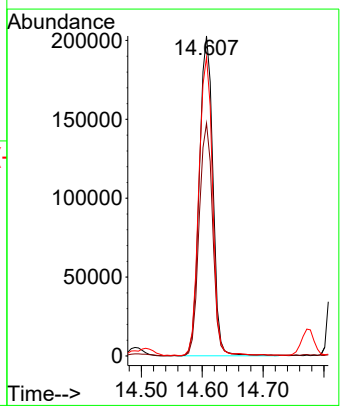
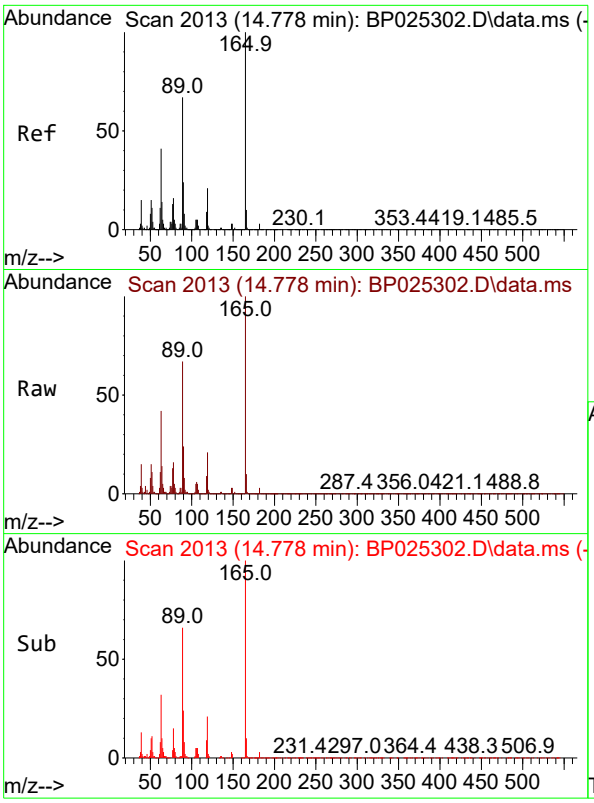


#56
4-Nitrophenol
Concen: 40.848 ng
RT: 14.607 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 314409

Ion	Ratio	Lower	Upper
139	100		
109	72.7	52.7	92.7
65	93.4	73.4	113.4

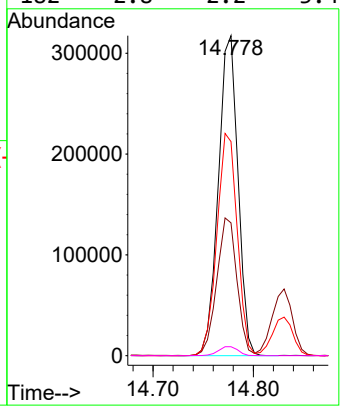




#57
2,4-Dinitrotoluene
Concen: 38.103 ng
RT: 14.778 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:165 Resp: 43191

Ion	Ratio	Lower	Upper
165	100		
63	41.5	33.2	49.8
89	66.9	53.5	80.3
182	2.8	2.2	3.4



Instrument :
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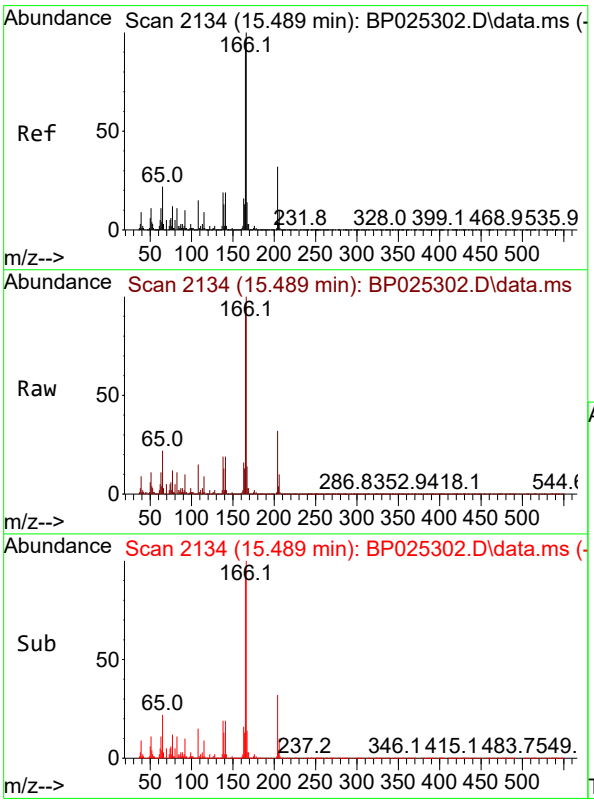
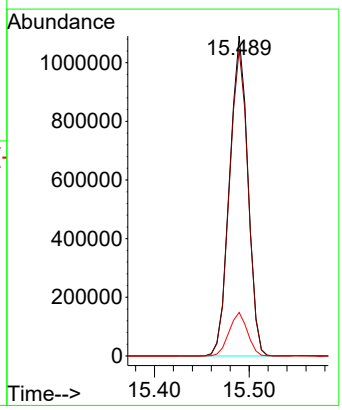
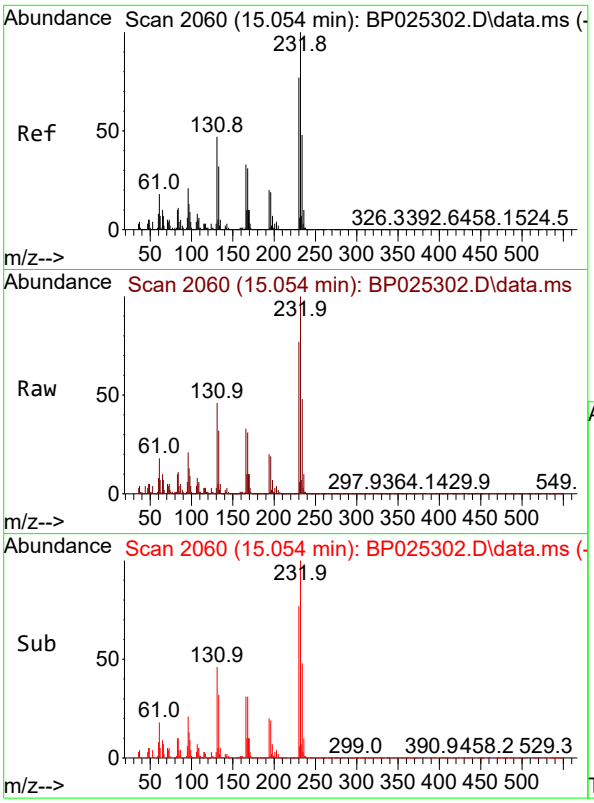


#58
Fluorene
Concen: 39.200 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:166 Resp: 1458854

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.7	115.1
167	13.6	10.9	16.3

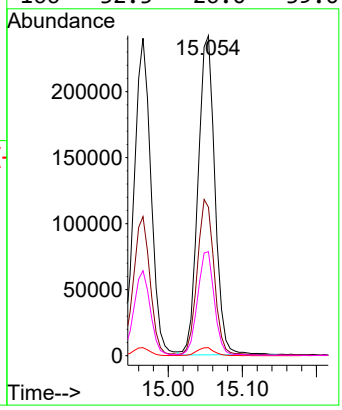




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.372 ng
RT: 15.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:232 Resp: 38122

Ion	Ratio	Lower	Upper
232	100		
131	49.1	39.3	58.9
130	2.7	2.2	3.2
166	32.5	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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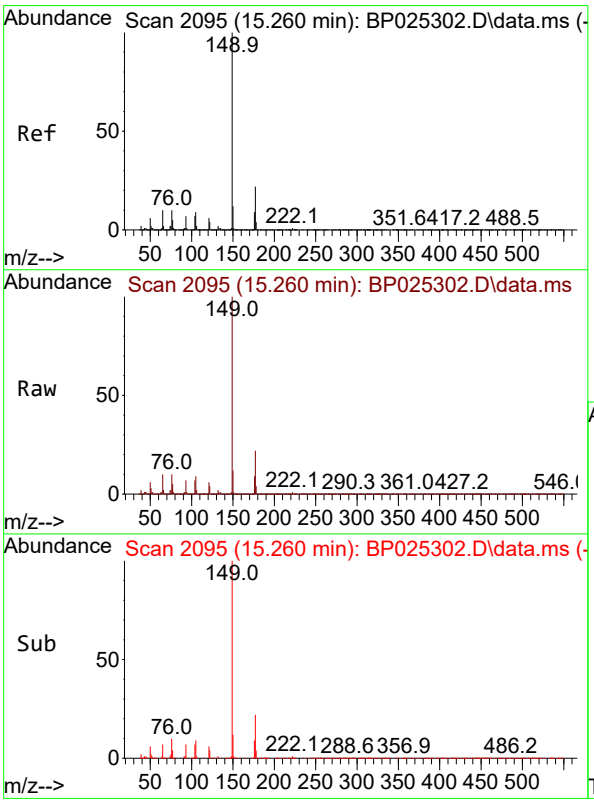
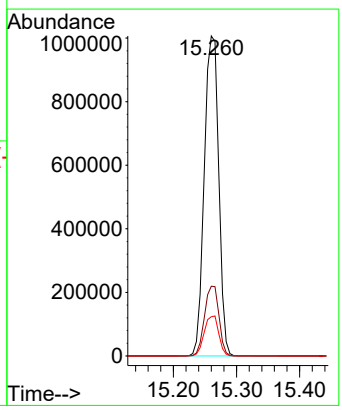
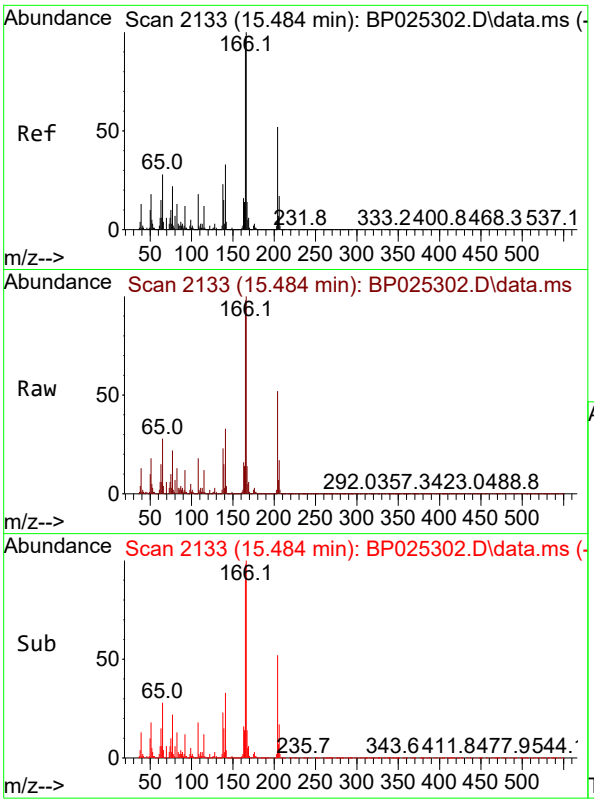


#60
Diethylphthalate
Concen: 39.190 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1596506

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8

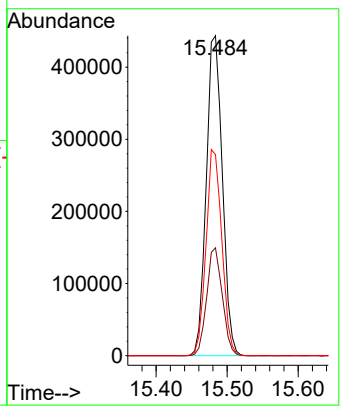




#61
4-Chlorophenyl-phenylether
Concen: 39.626 ng
RT: 15.484 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:204 Resp: 69912

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	62.9	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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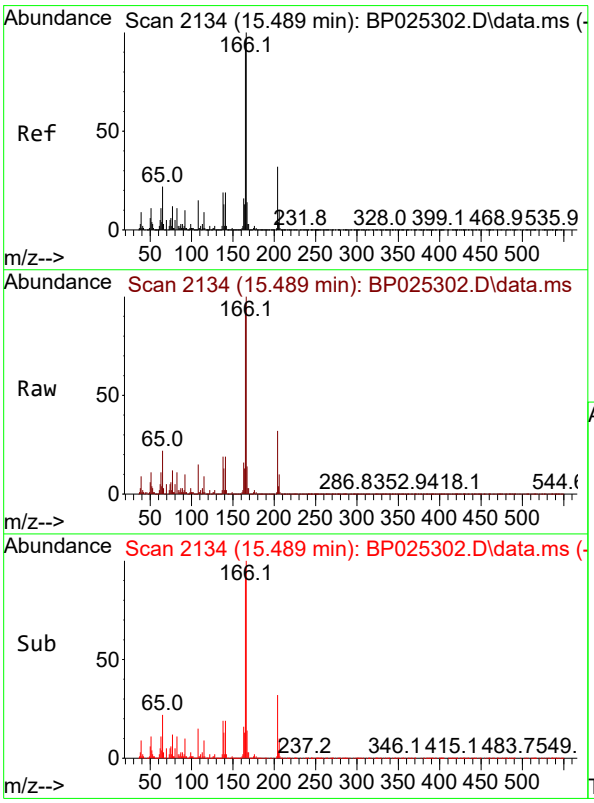
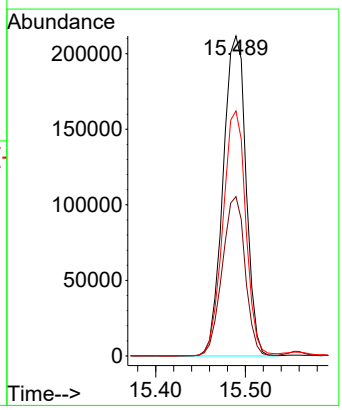
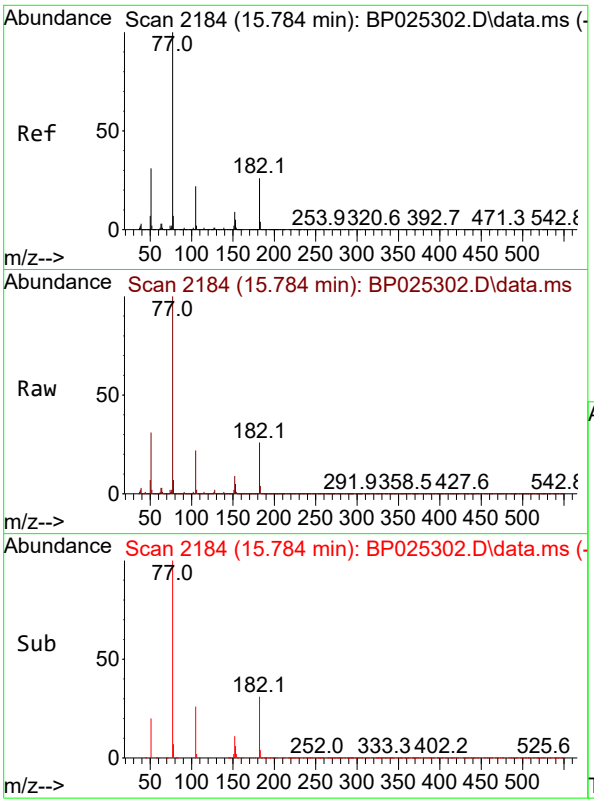


#62
4-Nitroaniline
Concen: 43.373 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:138 Resp: 374812

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	76.6	56.6	96.6

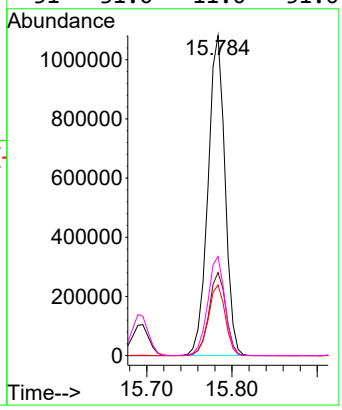




#63
Azobenzene
Concen: 39.565 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 149730

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.1	2.1	42.1
51	31.0	11.0	51.0



Instrument :
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ClientSampleId :
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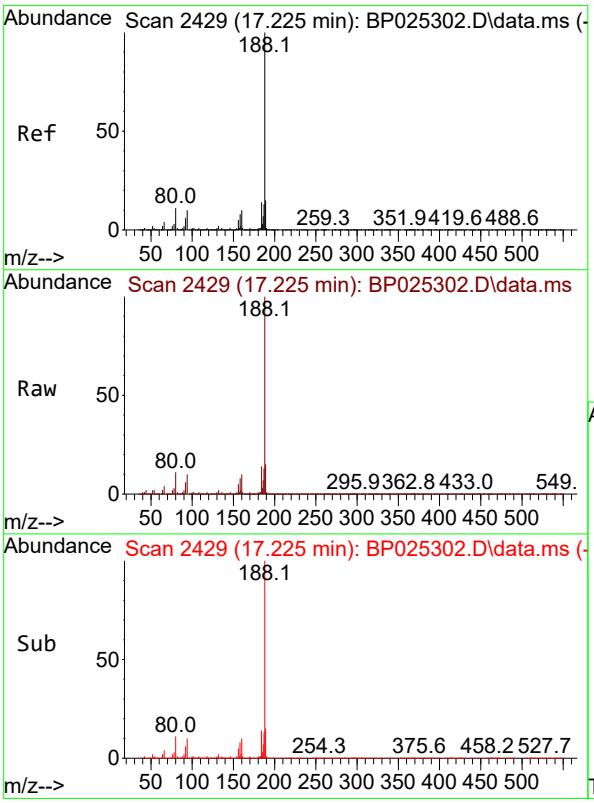
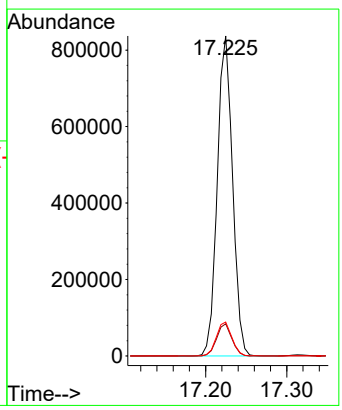
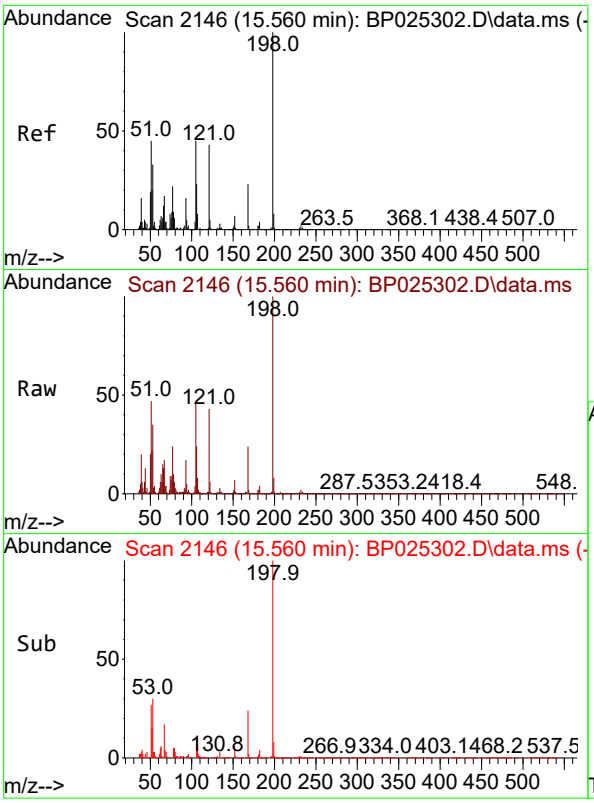


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:188 Resp: 1096367

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.6	8.5	12.7

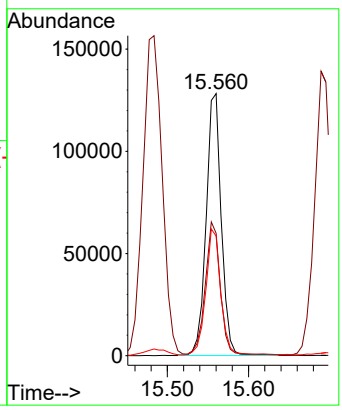




#65
4,6-Dinitro-2-methylphenol
Concen: 37.407 ng
RT: 15.560 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:198 Resp: 16514

Ion	Ratio	Lower	Upper
198	100		
51	46.7	26.7	66.7
105	45.6	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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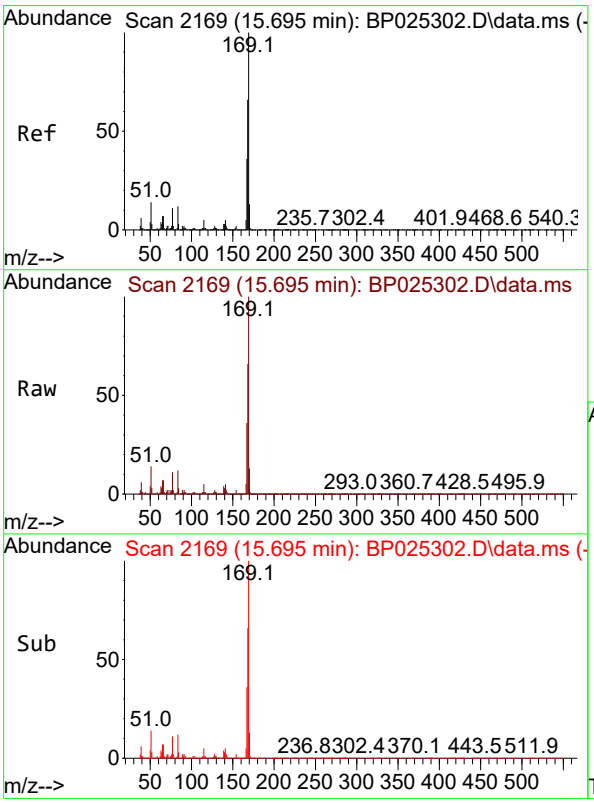
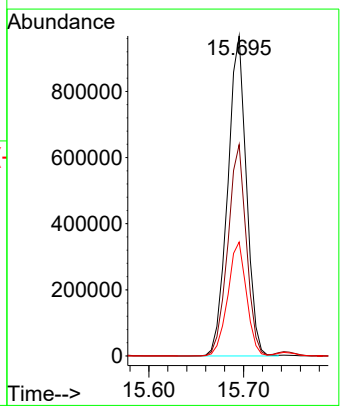
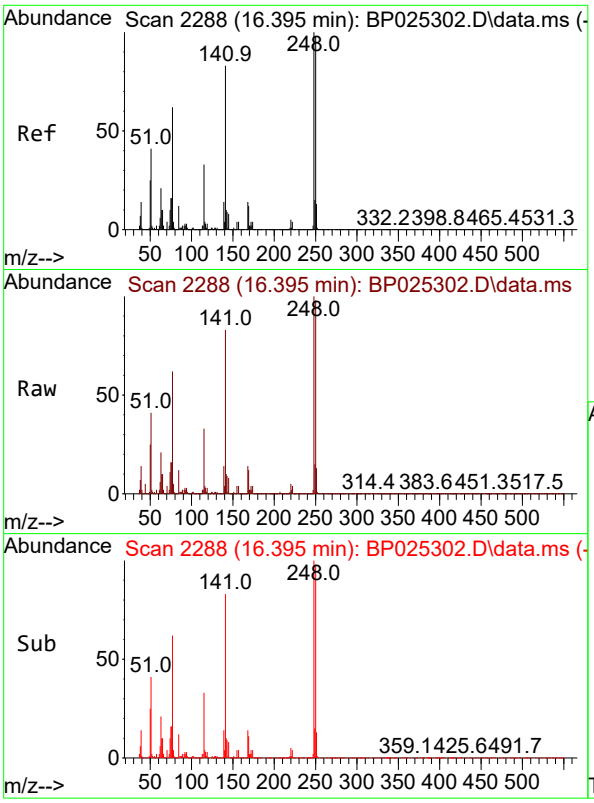


#66
n-Nitrosodiphenylamine
Concen: 39.754 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:169 Resp: 1327098

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.8	79.2
167	35.6	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 39.545 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 43623

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	83.2	66.6	99.8

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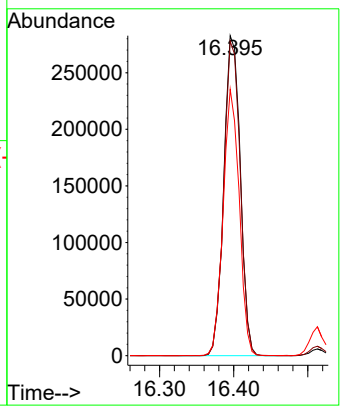
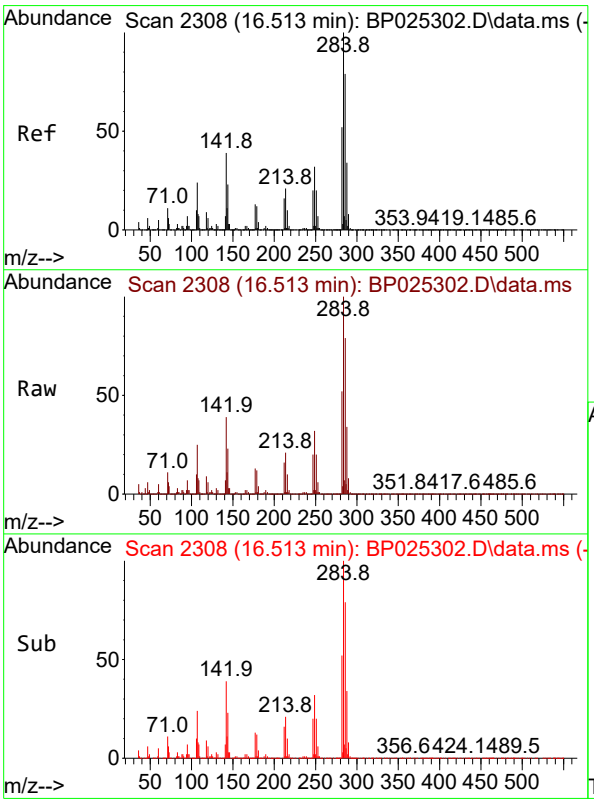
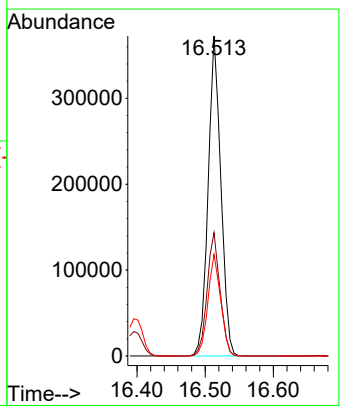


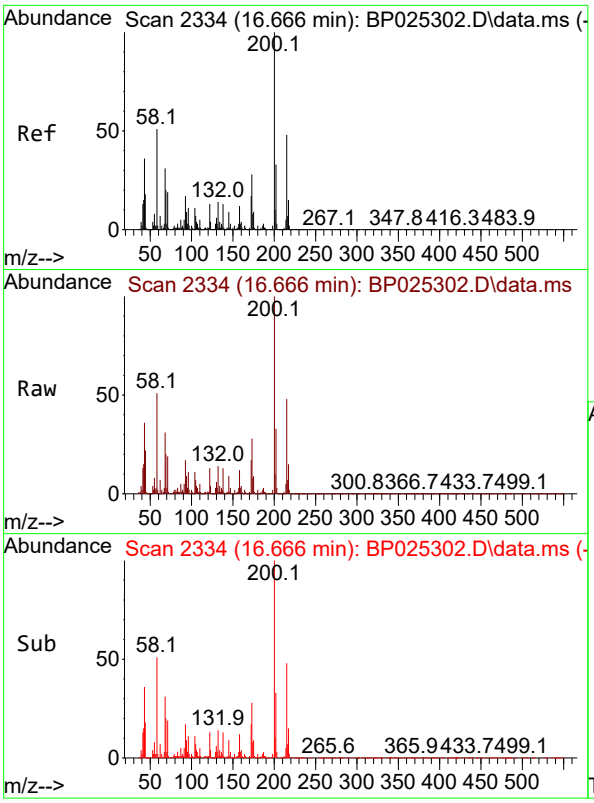


#68
Hexachlorobenzene
Concen: 38.967 ng
RT: 16.513 min Scan# 2308
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:284 Resp: 482334

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.8	46.2
249	31.7	25.4	38.0

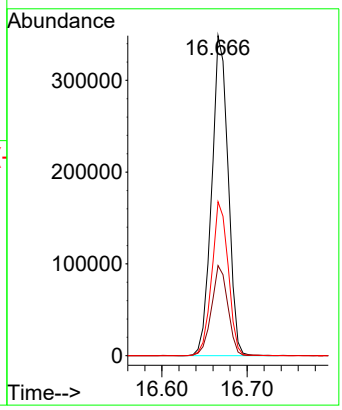




#69
Atrazine
Concen: 39.673 ng
RT: 16.666 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:200 Resp: 46575

Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.2	48.2
215	48.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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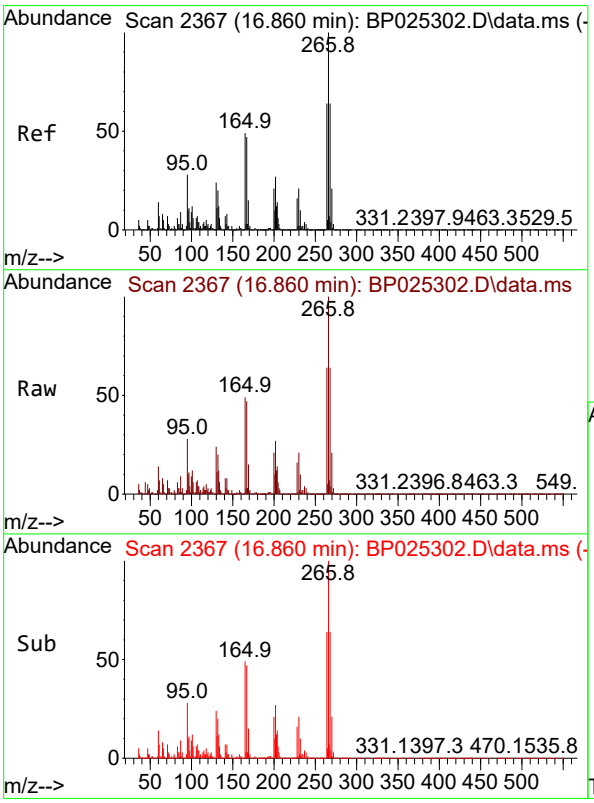
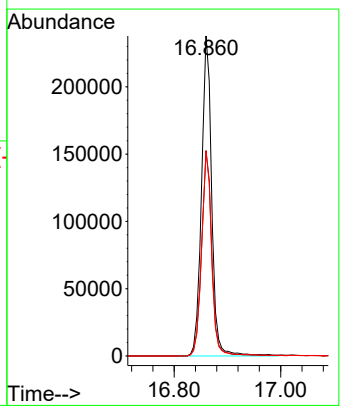
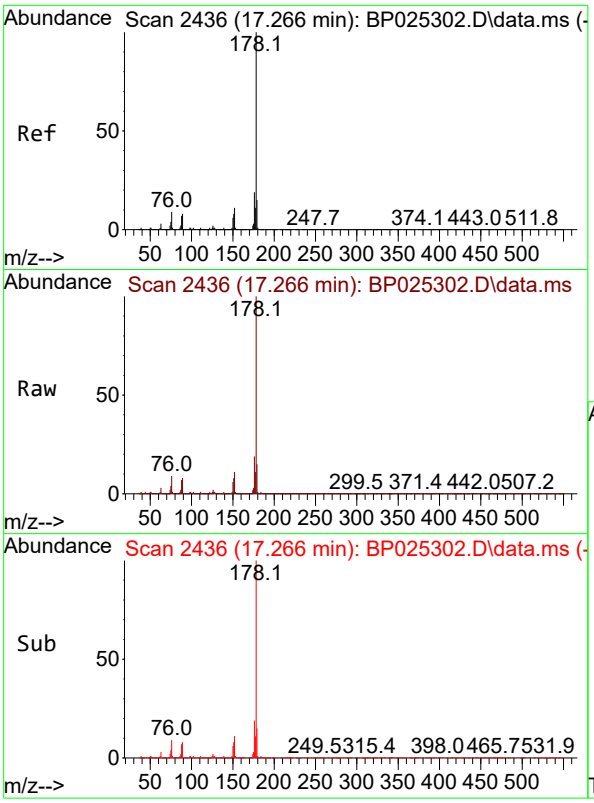


#70
Pentachlorophenol
Concen: 40.000 ng
RT: 16.860 min Scan# 2367
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:266 Resp: 315442

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.0
264	63.9	51.1	76.7

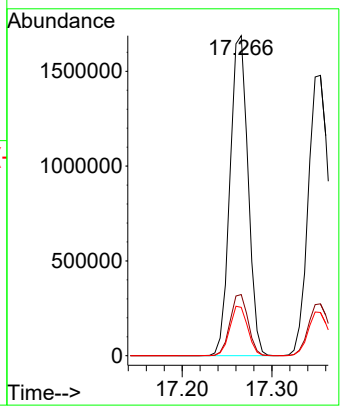




#71
Phenanthrene
Concen: 39.167 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:178 Resp: 235197

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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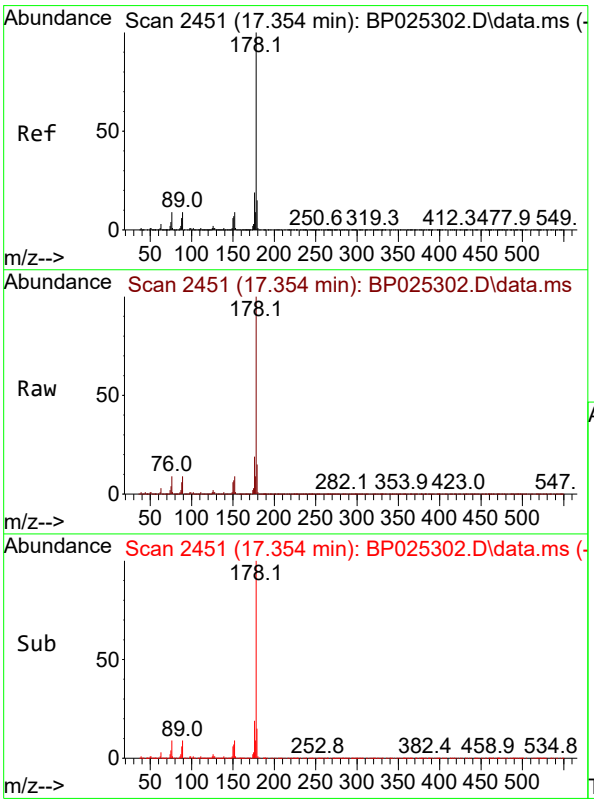
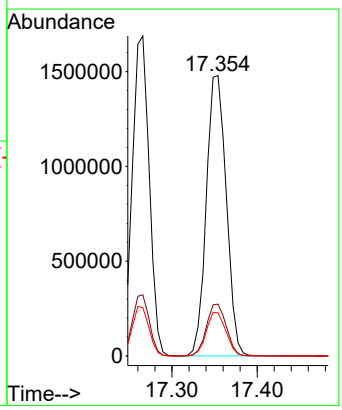
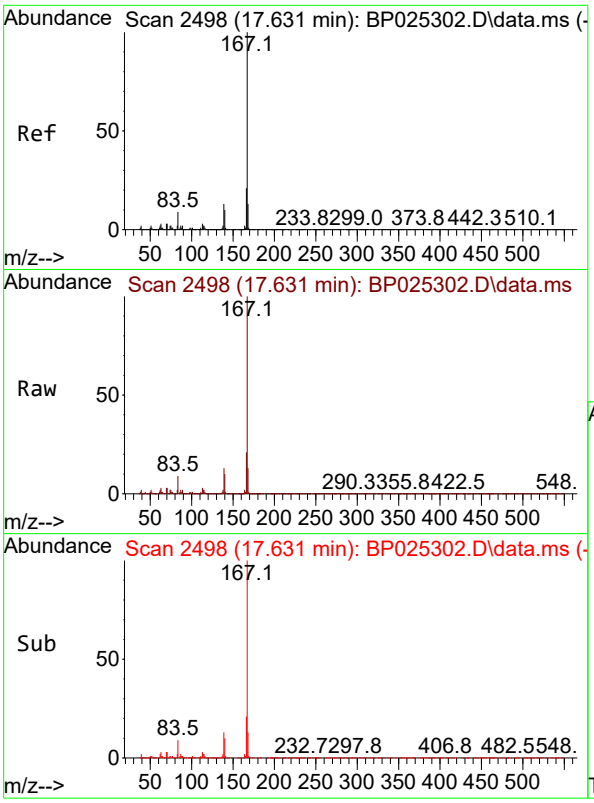


#72
Anthracene
Concen: 39.667 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:178 Resp: 2401769

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5

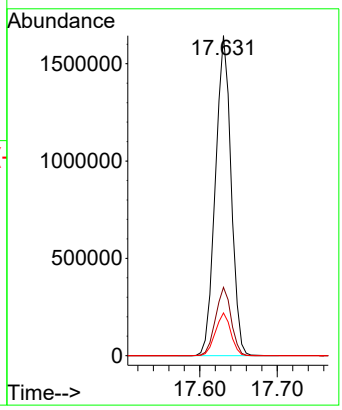




#73
Carbazole
Concen: 39.700 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:167 Resp: 230739

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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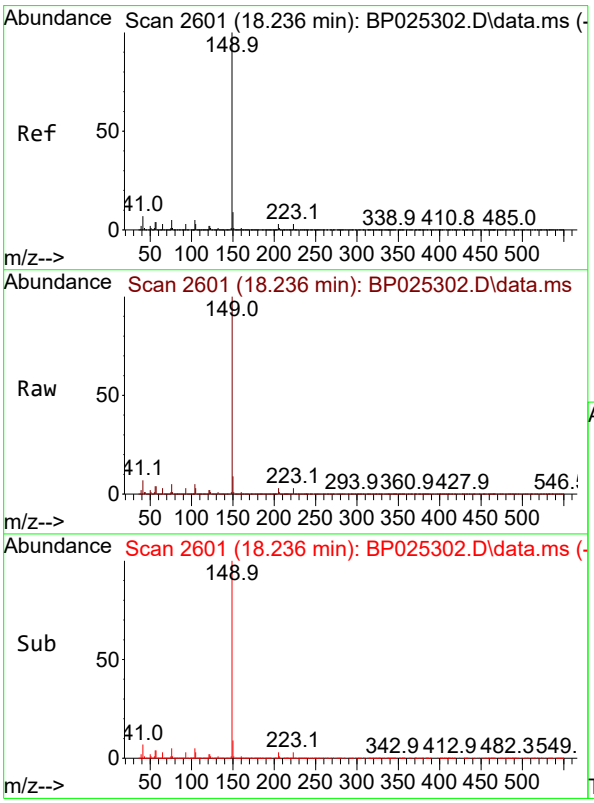
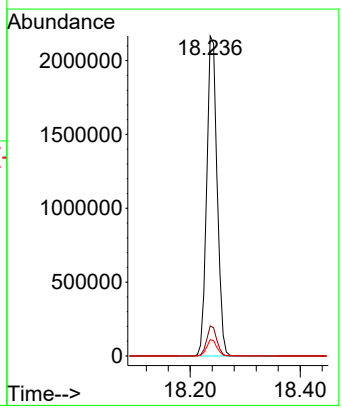
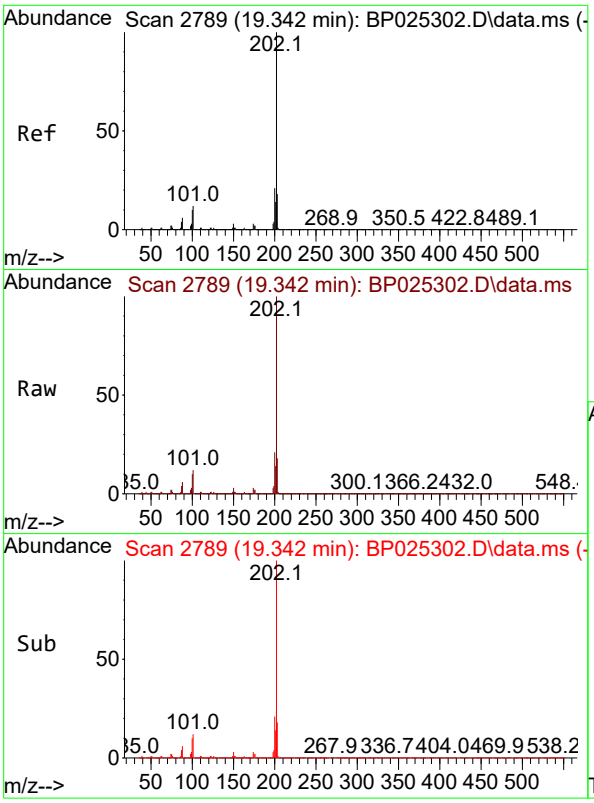


#74
Di-n-butylphthalate
Concen: 40.220 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 2828001

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 39.501 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 274588

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.5
203	17.6	0.0	37.6

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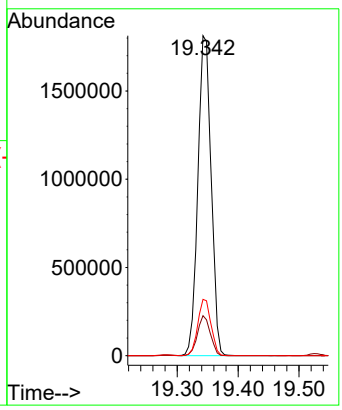
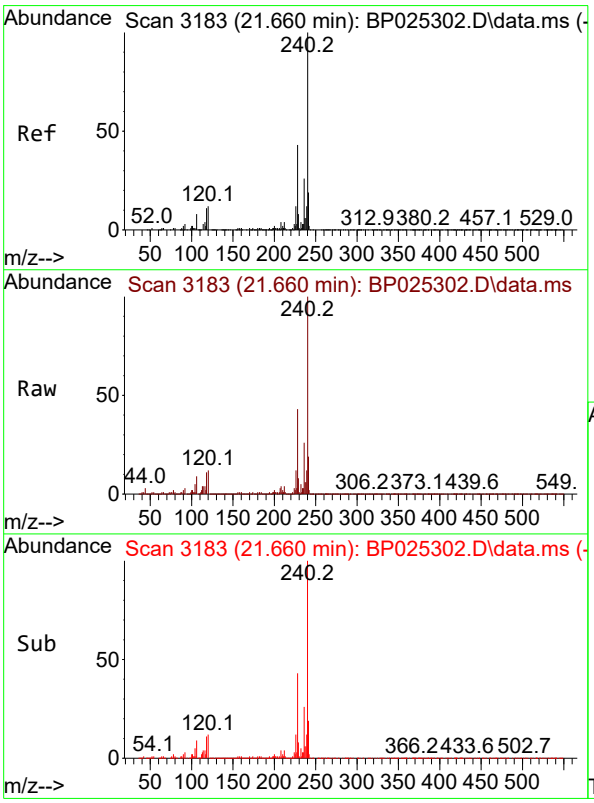
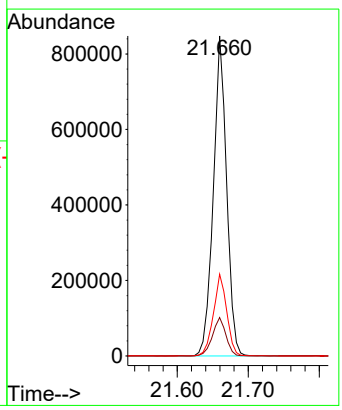


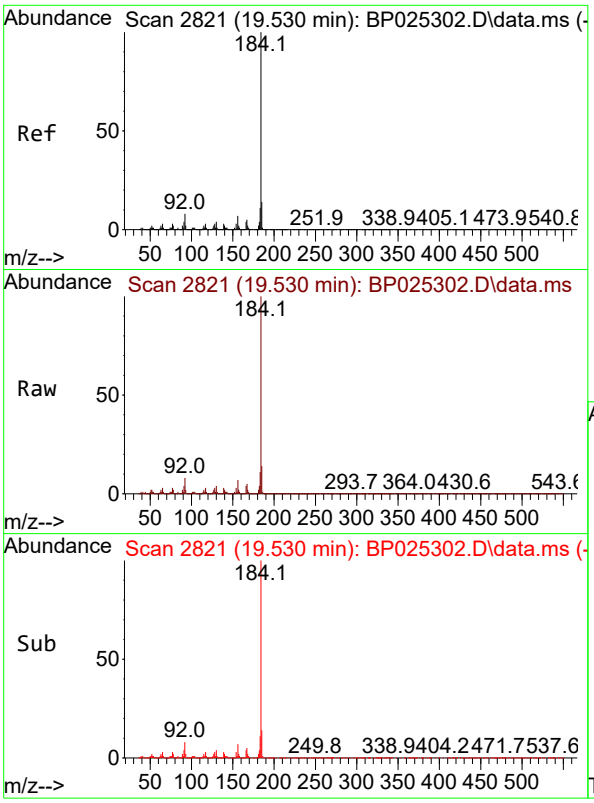


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:240 Resp: 1098659

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.5	20.4	30.6

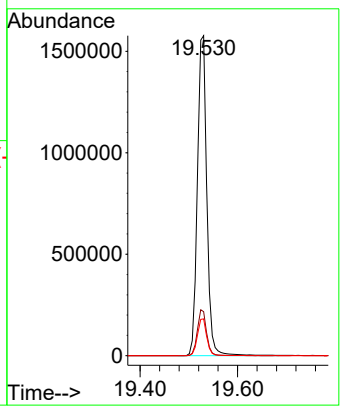




#77
Benzidine
Concen: 53.598 ng
RT: 19.530 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:184 Resp: 213135

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.0	16.6
183	11.5	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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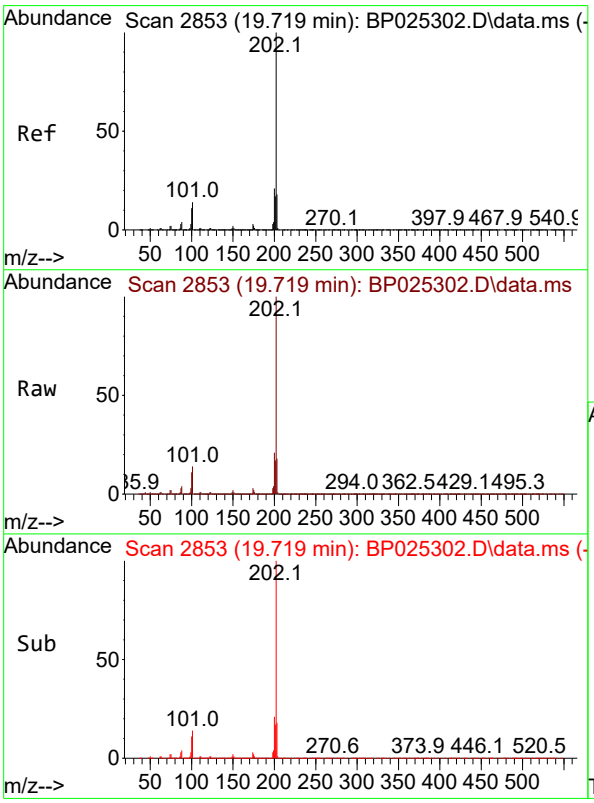
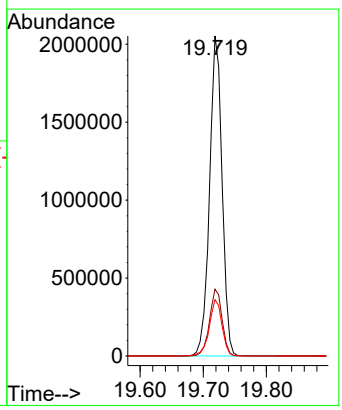
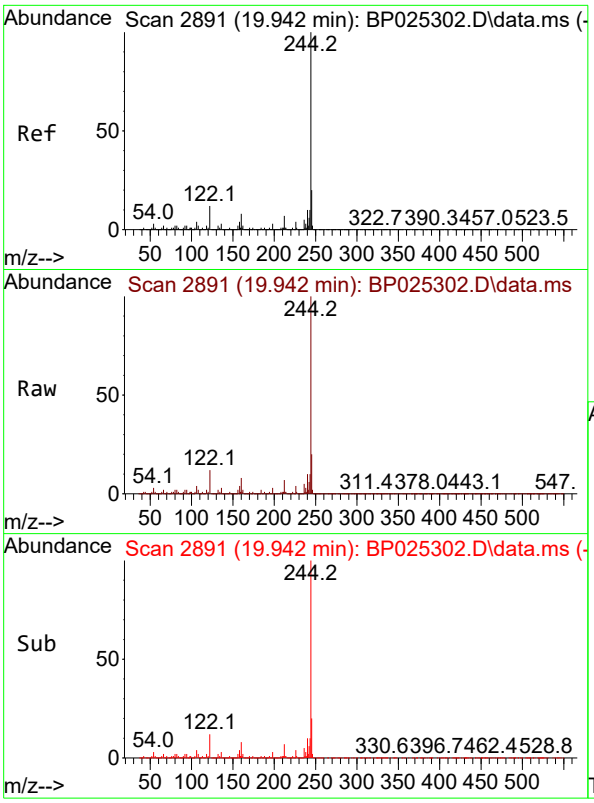


#78
Pyrene
Concen: 38.761 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:202 Resp: 2831811

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

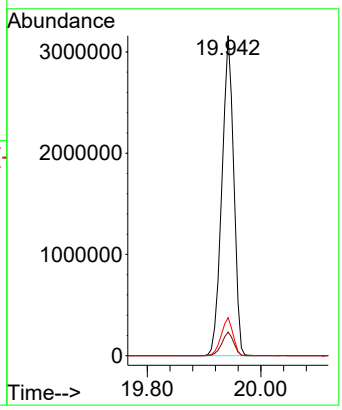




#79
Terphenyl-d14
Concen: 79.015 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:244 Resp: 459514

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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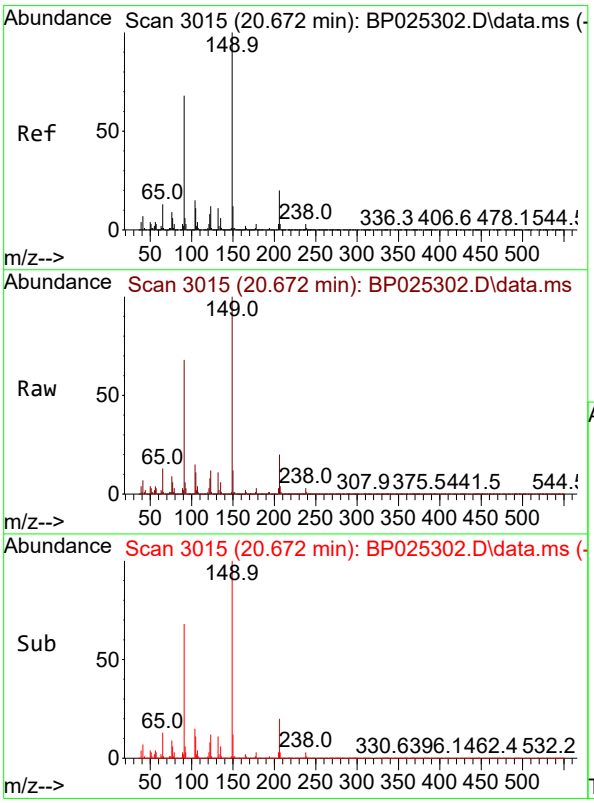
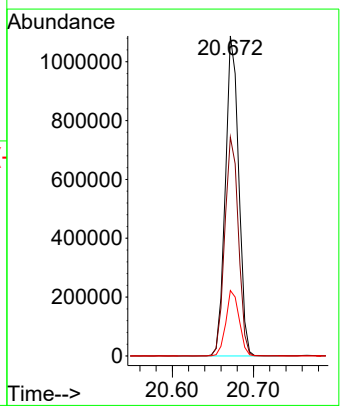
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

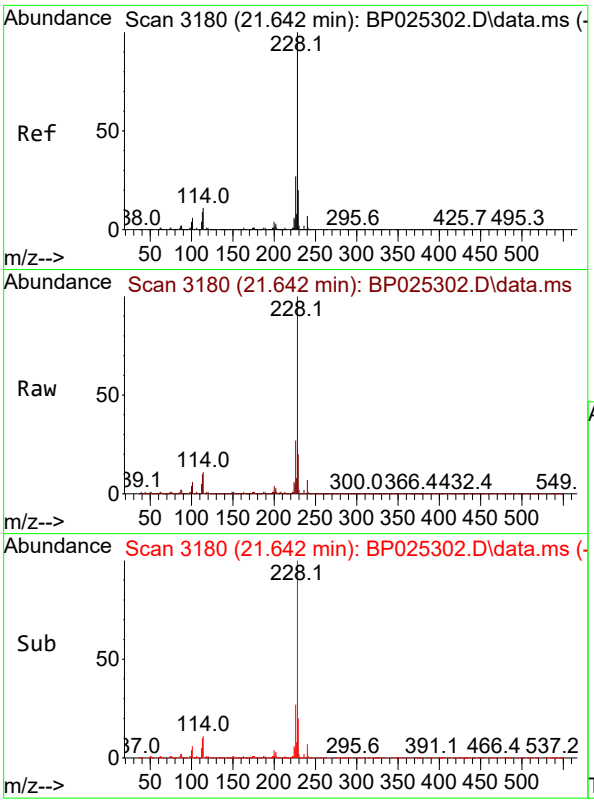


#80
Butylbenzylphthalate
Concen: 41.913 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1241891

Ion	Ratio	Lower	Upper
149	100		
91	68.4	54.7	82.1
206	20.5	16.4	24.6

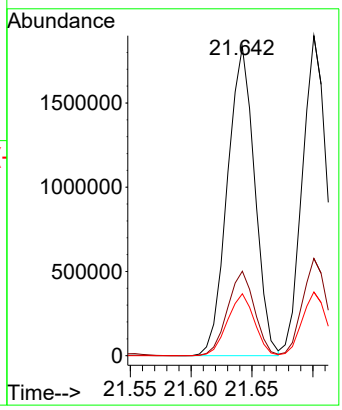




#81
Benzo(a)anthracene
Concen: 39.173 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:228 Resp: 285997

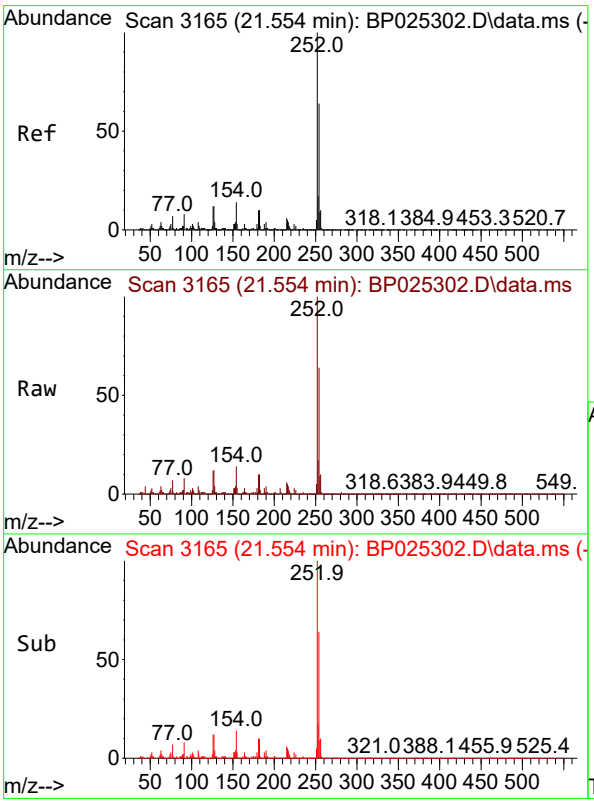
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

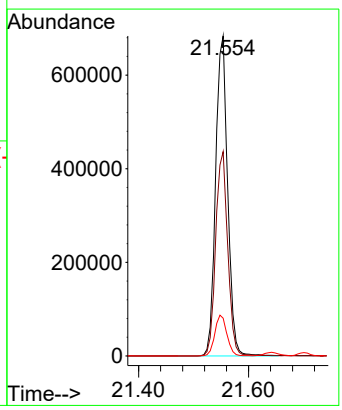
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

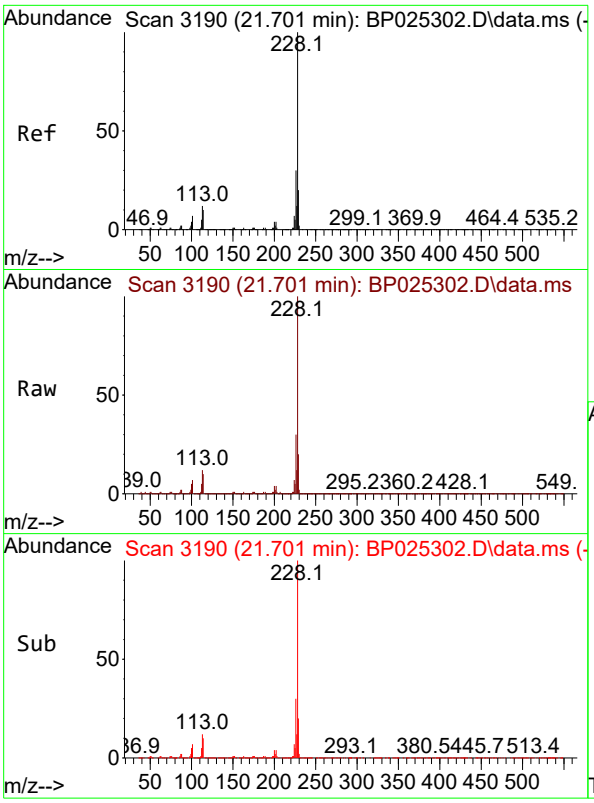


#82
3,3'-Dichlorobenzidine
Concen: 40.358 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 1039593

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

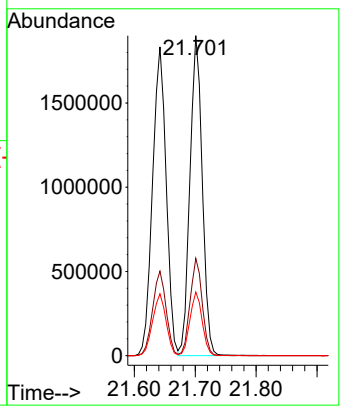




#83
Chrysene
Concen: 39.503 ng
RT: 21.701 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:228 Resp: 267497

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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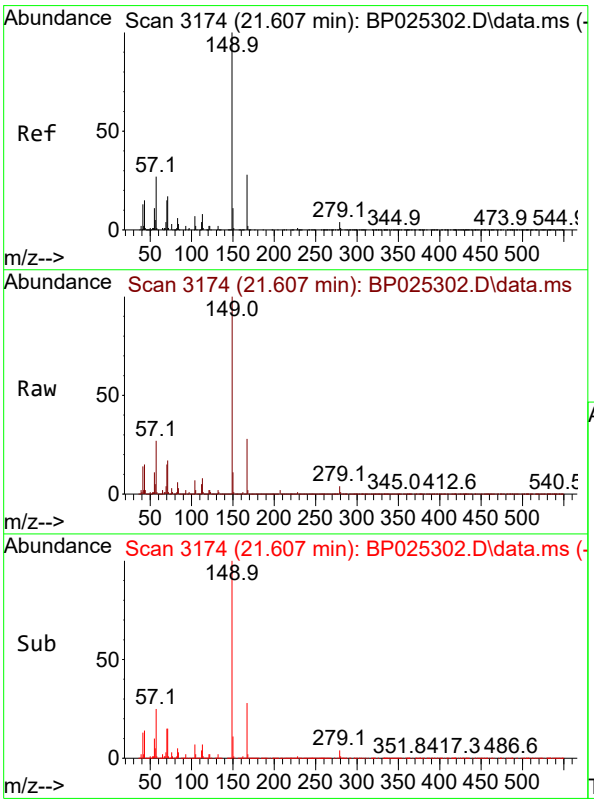
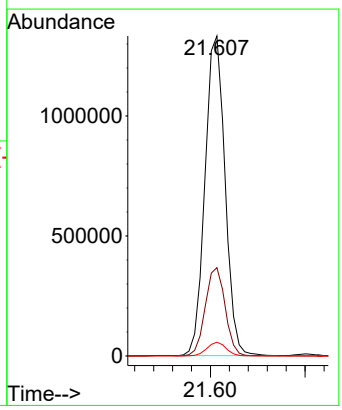
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

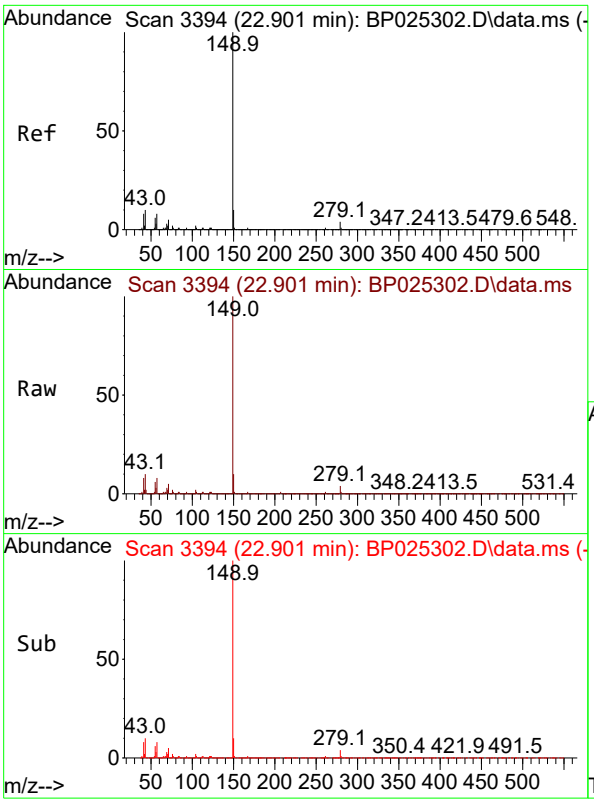


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.420 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1959652

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.3	3.4	5.2

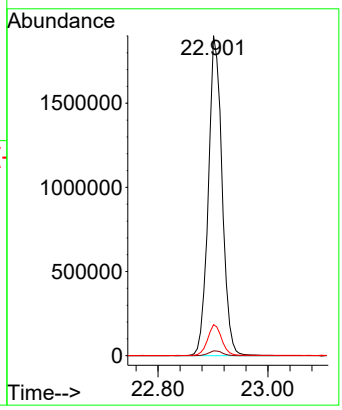




#85
Di-n-octyl phthalate
Concen: 41.675 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 330030

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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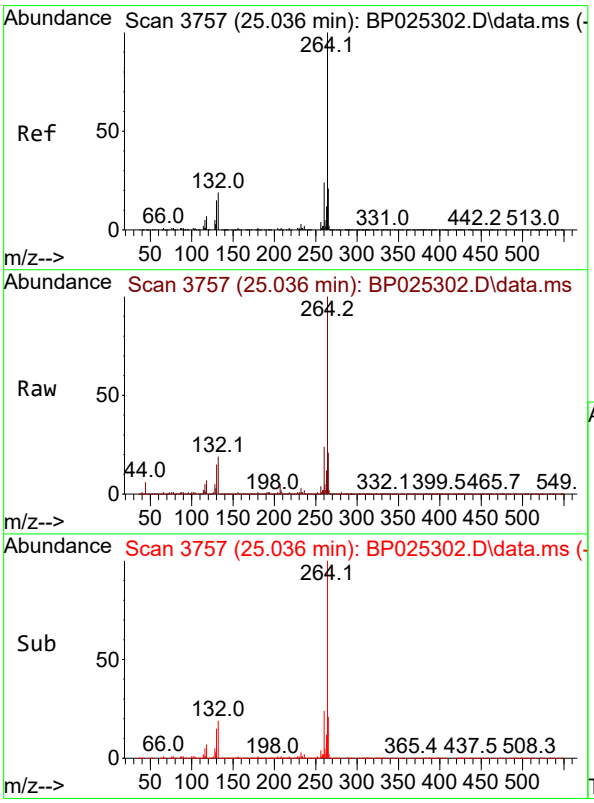
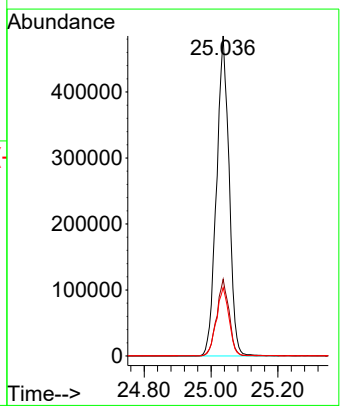
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

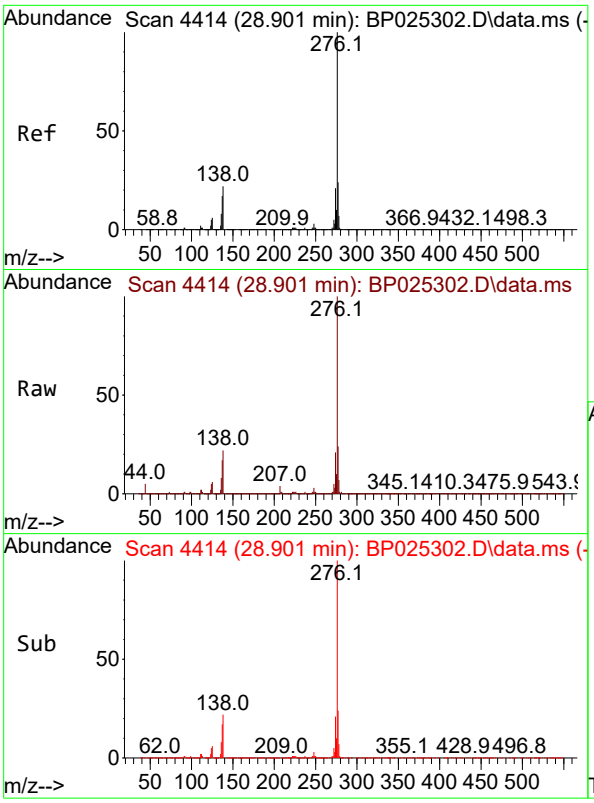


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:264 Resp: 1264736

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.1	25.7

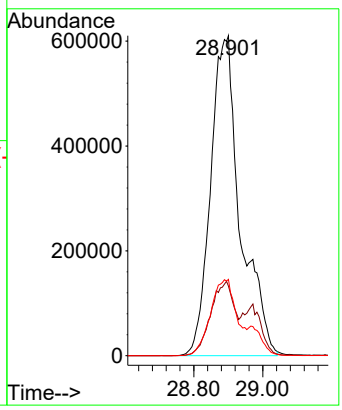




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.200 ng m
RT: 28.901 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:276 Resp: 364965

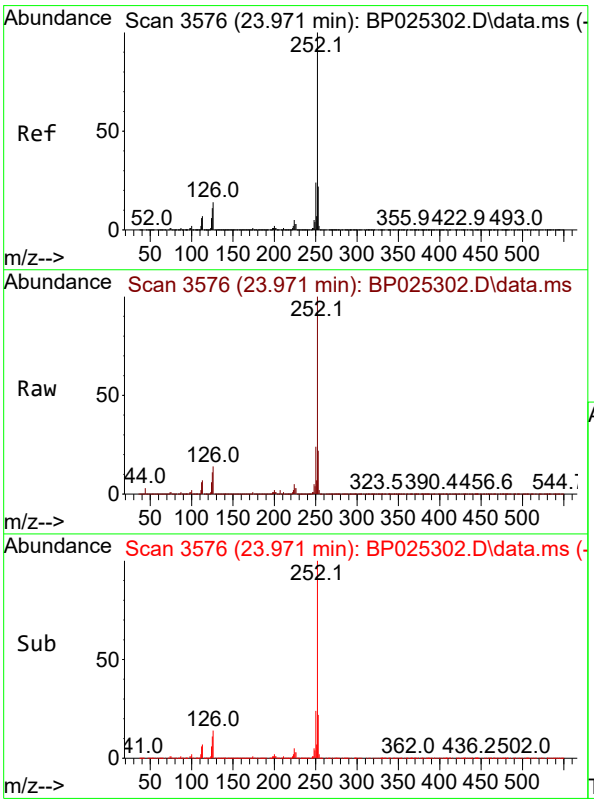
Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.6	22.0
277	21.1	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

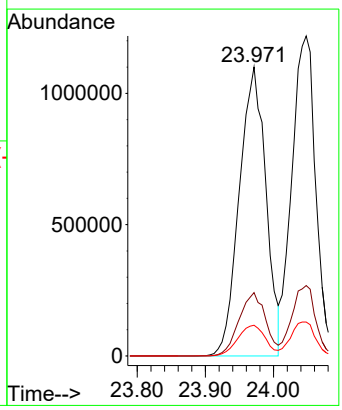
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

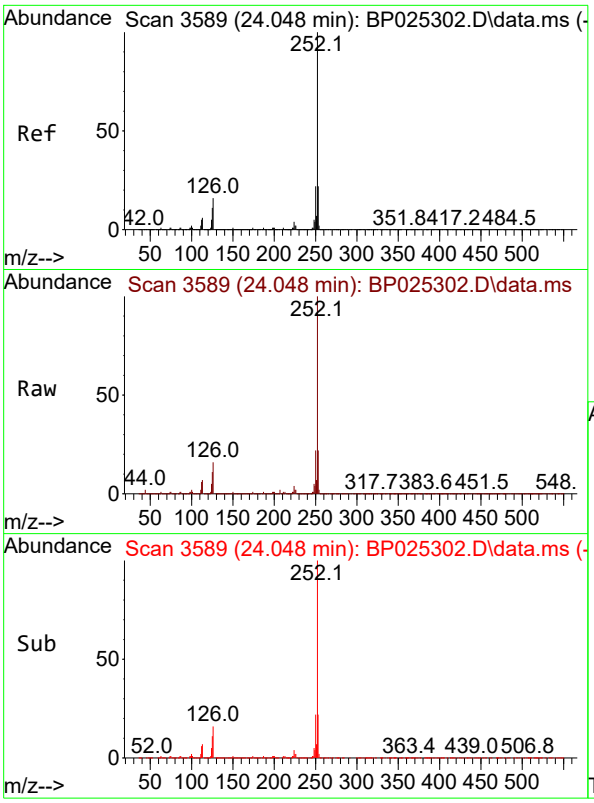


#88
Benzo(b)fluoranthene
Concen: 39.375 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2981039

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.6	8.5	12.7

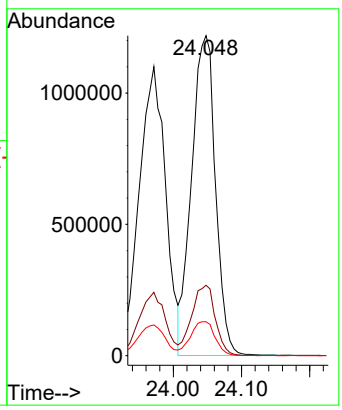




#89
Benzo(k)fluoranthene
Concen: 39.456 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 296124

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.6	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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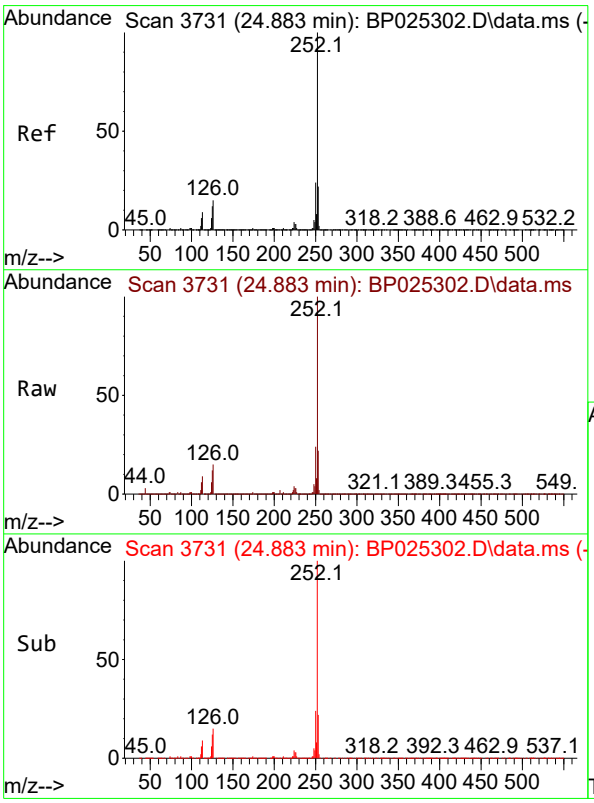
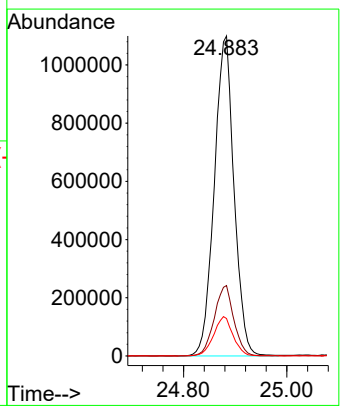
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

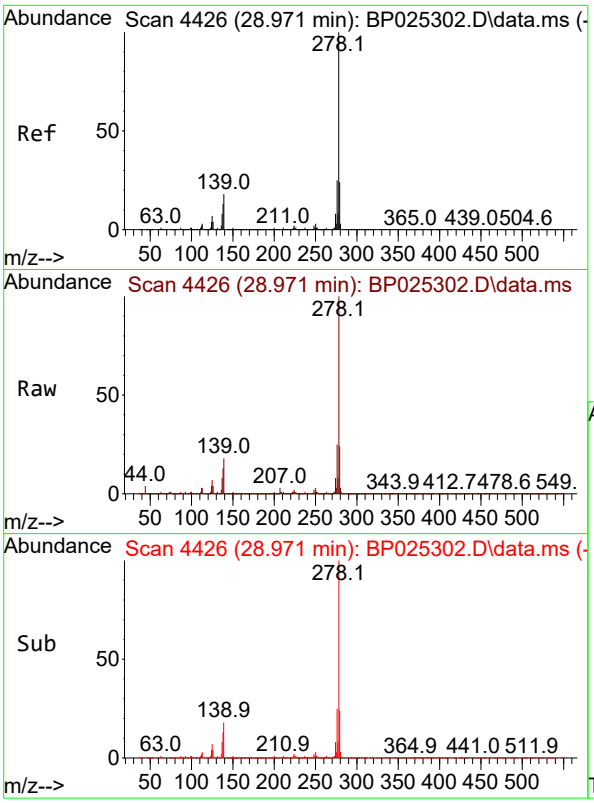


#90
Benzo(a)pyrene
Concen: 39.938 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2911834

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.7	9.4	14.0





#91
Dibenzo(a,h)anthracene
Concen: 40.383 ng
RT: 28.971 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 299815

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	23.7	19.0	28.4

Manual Integrations
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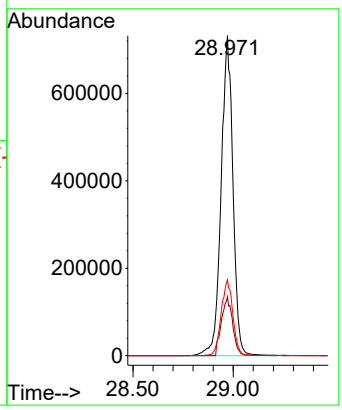
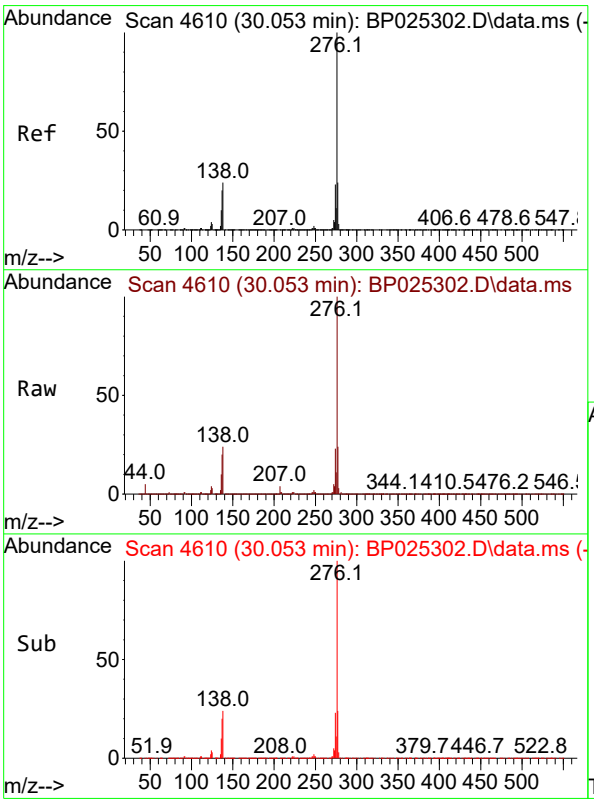
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

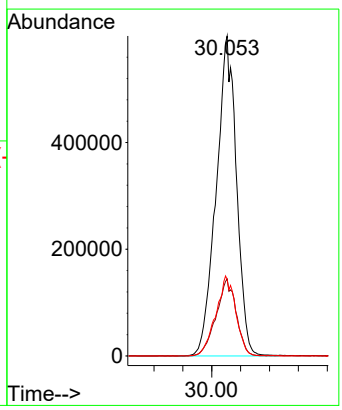




#92
Benzo(g,h,i)perylene
Concen: 40.025 ng
RT: 30.053 min Scan# 4610
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:276 Resp: 2917156

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	23.9	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	204129	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	895271	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	571612	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1114369	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1066090	20.000	ng	0.00
86) Perylene-d12	25.048	264	1155535	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1323492	103.607	ng	0.00
7) Phenol-d6	6.966	99	1770084	105.044	ng	0.00
23) Nitrobenzene-d5	8.937	82	1820226	110.005	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	654420	110.884	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	4184125	101.643	ng	0.00
79) Terphenyl-d14	19.948	244	5765552	102.169	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	252837	50.482	ng	99
3) Pyridine	3.725	79	717966	51.596	ng	99
4) n-Nitrosodimethylamine	3.637	42	337100	52.181	ng	97
6) Aniline	7.137	93	1217200	53.084	ng	99
8) 2-Chlorophenol	7.372	128	740540	53.306	ng	99
9) Benzaldehyde	6.949	77	719072	60.611	ng	98
10) Phenol	6.990	94	940803	52.642	ng	99
11) bis(2-Chloroethyl)ether	7.231	93	734824	52.476	ng	99
12) 1,3-Dichlorobenzene	7.696	146	803898	51.499	ng	100
13) 1,4-Dichlorobenzene	7.837	146	817189	51.745	ng	99
14) 1,2-Dichlorobenzene	8.155	146	791692	51.749	ng	99
15) Benzyl Alcohol	8.031	79	693643	53.573	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.325	45	1148882	51.937	ng	100
17) 2-Methylphenol	8.225	107	639575	53.483	ng	99
18) Hexachloroethane	8.878	117	291706	51.649	ng	97
19) n-Nitroso-di-n-propyla...	8.596	70	584940	53.300	ng	99
20) 3+4-Methylphenols	8.549	107	873995	53.075	ng	98
22) Acetophenone	8.607	105	1157990	51.524	ng	99
24) Nitrobenzene	8.978	77	835622	54.626	ng	100
25) Isophorone	9.507	82	1699294	52.827	ng	100
26) 2-Nitrophenol	9.684	139	334267	49.999	ng	99
27) 2,4-Dimethylphenol	9.749	122	764549	51.553	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	1023578	52.308	ng	99
29) 2,4-Dichlorophenol	10.213	162	710356	54.711	ng	98
30) 1,2,4-Trichlorobenzene	10.437	180	747003	52.150	ng	99
31) Naphthalene	10.619	128	2404950	51.746	ng	100
32) Benzoic acid	9.872	122	427207	49.747	ng	96
33) 4-Chloroaniline	10.719	127	1108429	53.624	ng	100
34) Hexachlorobutadiene	10.919	225	420532	51.144	ng	97
35) Caprolactam	11.490	113	273974	54.273	ng	97
36) 4-Chloro-3-methylphenol	11.837	107	822806	54.768	ng	99
37) 2-Methylnaphthalene	12.231	142	1569525	52.175	ng	100
38) 1-Methylnaphthalene	12.454	142	1654175	52.701	ng	100
40) 1,2,4,5-Tetrachloroben...	12.601	216	795310	50.962	ng	99
41) Hexachlorocyclopentadiene	12.590	237	511069	53.061	ng	99
43) 2,4,6-Trichlorophenol	12.837	196	565018	56.046	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	624750	55.243	ng		98
46) 1,1'-Biphenyl	13.248	154	2167632	51.457	ng		99
47) 2-Chloronaphthalene	13.284	162	1656657	51.548	ng		100
48) 2-Nitroaniline	13.478	65	491730	51.971	ng		96
49) Acenaphthylene	14.137	152	2816363	52.537	ng		99
50) Dimethylphthalate	13.878	163	2189488	52.544	ng		100
51) 2,6-Dinitrotoluene	13.978	165	440590	57.323	ng		97
52) Acenaphthene	14.484	154	1716317	52.489	ng		99
53) 3-Nitroaniline	14.313	138	517027	57.487	ng		96
54) 2,4-Dinitrophenol	14.513	184	167500	50.836	ng	#	52
55) Dibenzofuran	14.819	168	2518183	51.534	ng		99
56) 4-Nitrophenol	14.613	139	439677	55.392	ng		98
57) 2,4-Dinitrotoluene	14.772	165	615851	51.438	ng		96
58) Fluorene	15.484	166	1943035	50.628	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.048	232	522825	55.019	ng		99
60) Diethylphthalate	15.266	149	2184026	51.987	ng		99
61) 4-Chlorophenyl-phenyle...	15.484	204	918129	50.462	ng		97
62) 4-Nitroaniline	15.489	138	497394	55.814	ng		99
63) Azobenzene	15.778	77	2000064	51.248	ng		99
65) 4,6-Dinitro-2-methylph...	15.548	198	259581	51.256	ng		98
66) n-Nitrosodiphenylamine	15.701	169	1776048	52.344	ng		100
67) 4-Bromophenyl-phenylether	16.395	248	589000	52.531	ng		99
68) Hexachlorobenzene	16.507	284	650421	51.698	ng		96
69) Atrazine	16.672	200	642206	53.820	ng		98
70) Pentachlorophenol	16.854	266	448973	56.013	ng		99
71) Phenanthrene	17.260	178	3152482	51.650	ng		99
72) Anthracene	17.360	178	3207824	52.124	ng		100
73) Carbazole	17.625	167	3066018	51.900	ng		99
74) Di-n-butylphthalate	18.236	149	3833325	53.637	ng		100
75) Fluoranthene	19.348	202	3659664	51.795	ng		98
77) Benzidine	19.536	184	1935364	50.156	ng		100
78) Pyrene	19.719	202	3748452	52.875	ng		100
80) Butylbenzylphthalate	20.683	149	1670521	58.102	ng		98
81) Benzo(a)anthracene	21.636	228	3682901	51.986	ng		100
82) 3,3'-Dichlorobenzidine	21.560	252	1334151	53.376	ng		99
83) Chrysene	21.713	228	3435648	52.286	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	2502532	54.510	ng		100
85) Di-n-octyl phthalate	22.907	149	4113502	53.530	ng		100
87) Indeno(1,2,3-cd)pyrene	28.889	276	4466507m	53.847	ng		
88) Benzo(b)fluoranthene	23.971	252	3725745	53.862	ng		99
89) Benzo(k)fluoranthene	24.042	252	3650347	53.234	ng		99
90) Benzo(a)pyrene	24.877	252	3549437	53.283	ng		100
91) Dibenzo(a,h)anthracene	29.000	278	3643604	53.715	ng		99
92) Benzo(g,h,i)perylene	30.083	276	3590382	53.917	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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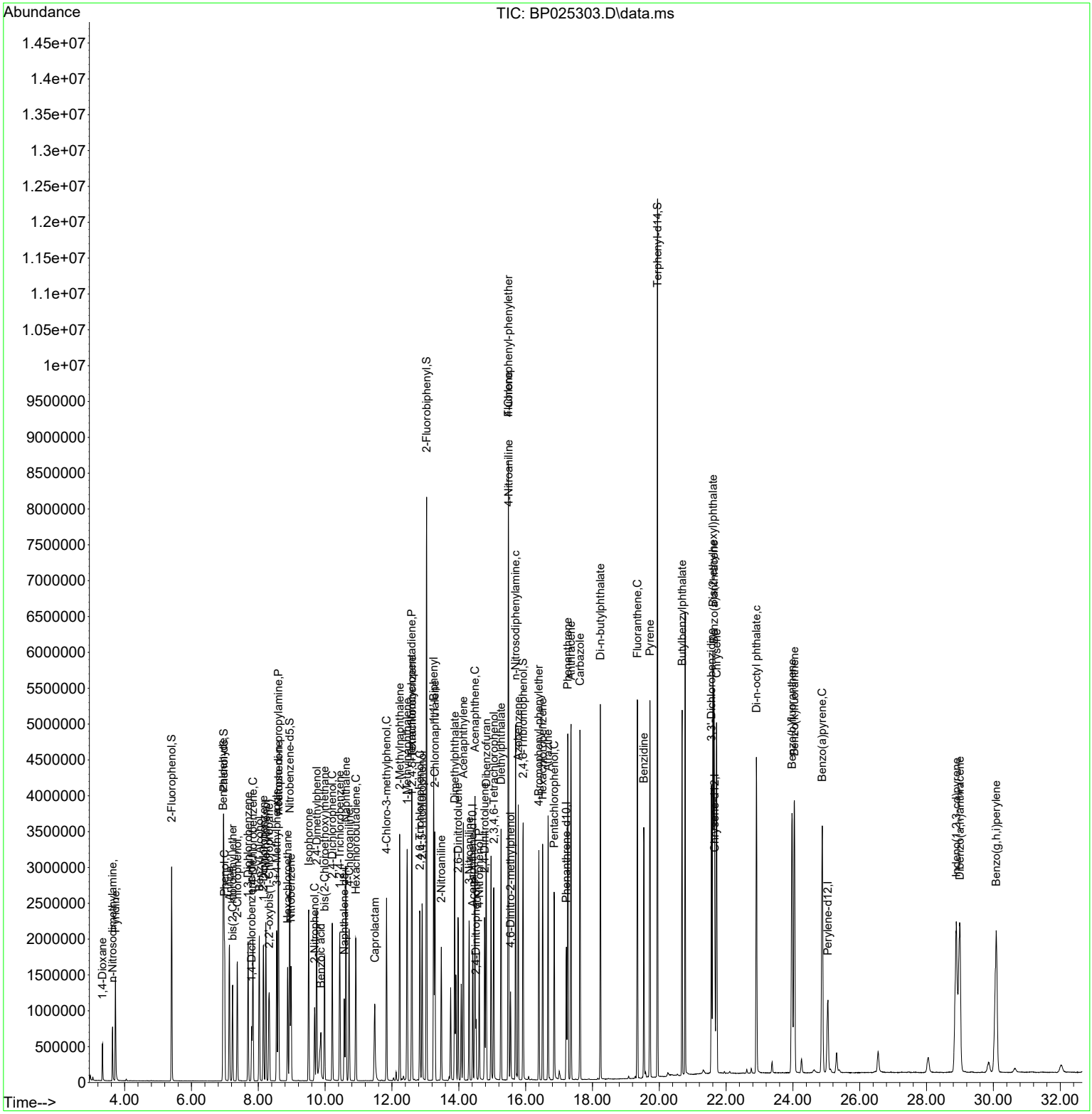
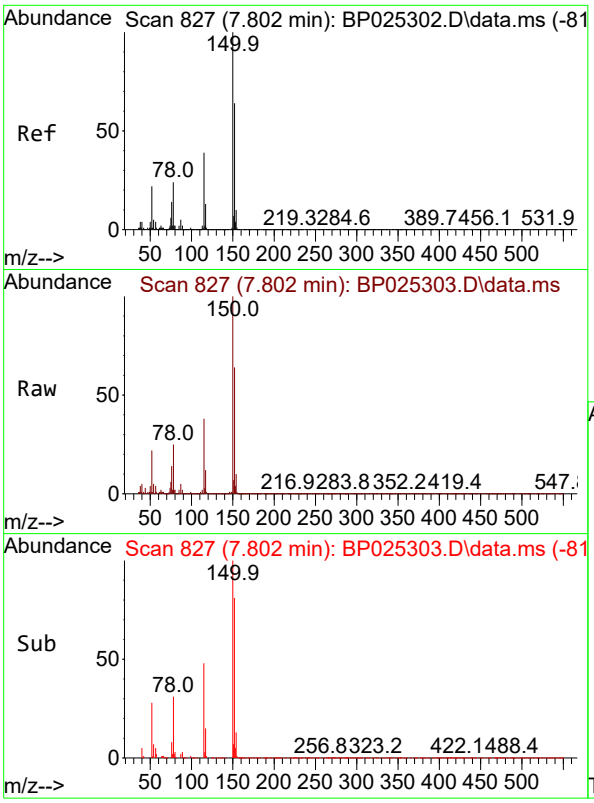
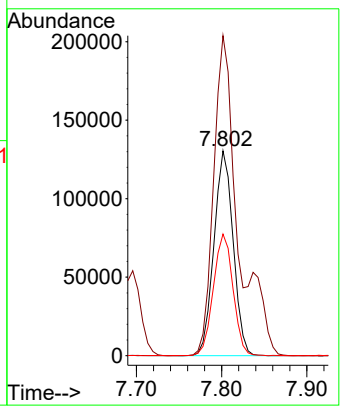




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:152 Resp: 20412

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.1	187.7
115	59.4	48.4	72.6



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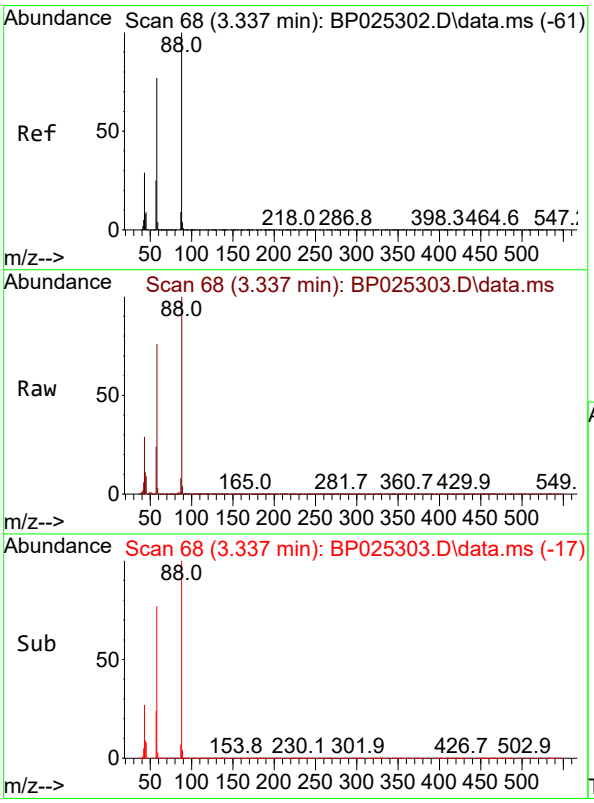
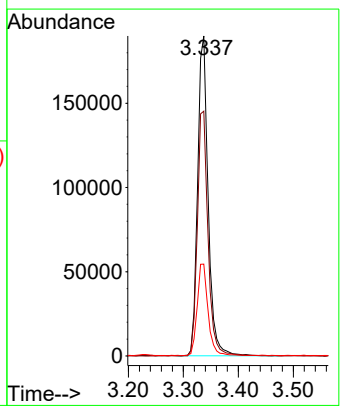
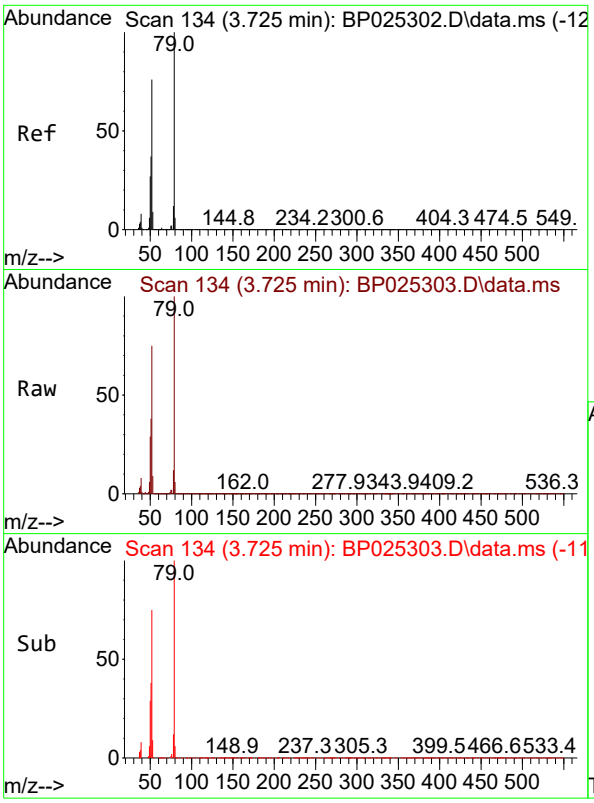


#2
1,4-Dioxane
Concen: 50.482 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 88 Resp: 252837

Ion	Ratio	Lower	Upper
88	100		
58	77.7	61.9	92.9
43	29.6	24.2	36.2

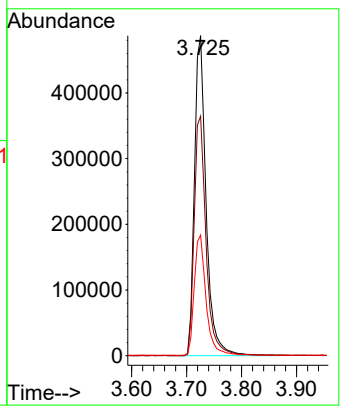




#3
Pyridine
Concen: 51.596 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 79 Resp: 71796

Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.7	30.2	45.2



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ClientSampleId :
SSTDICC050

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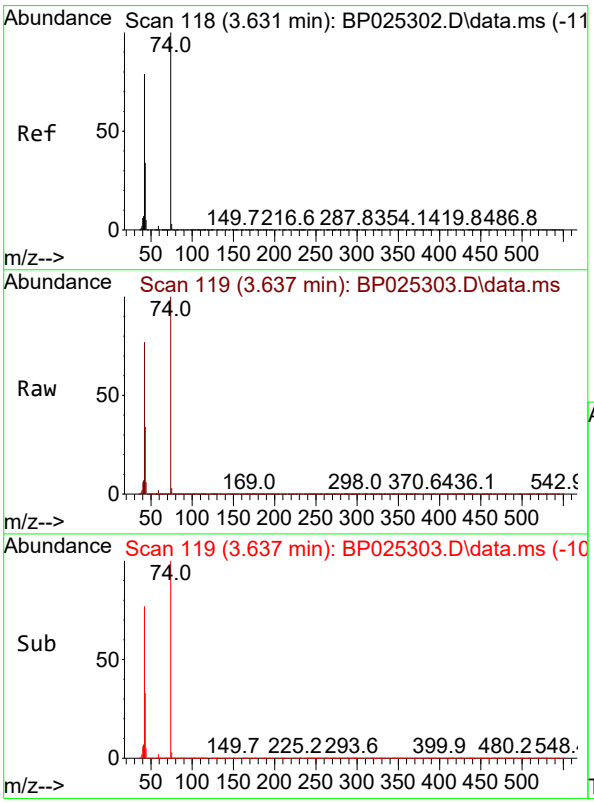
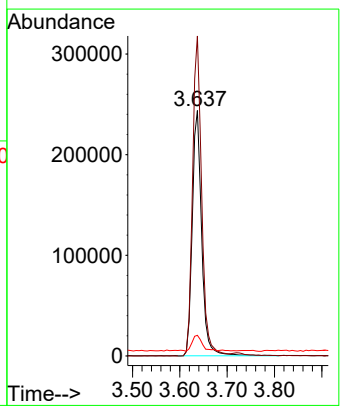
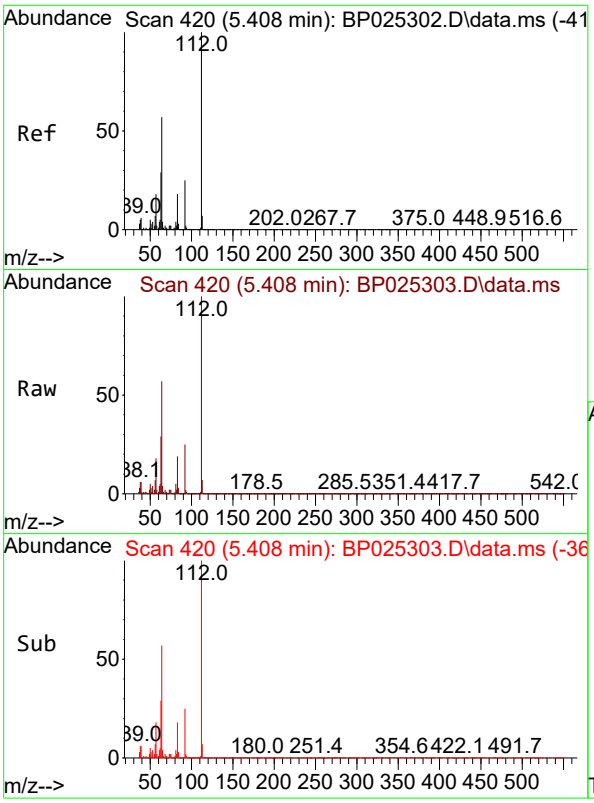


#4
n-Nitrosodimethylamine
Concen: 52.181 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 42 Resp: 337100

Ion	Ratio	Lower	Upper
42	100		
74	130.4	101.4	152.2
44	8.4	7.6	11.4

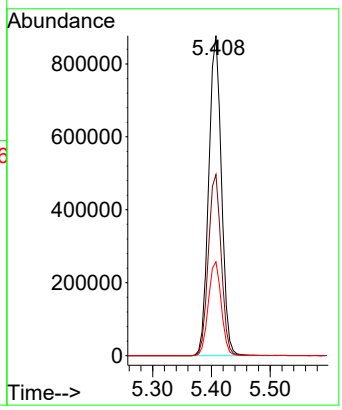




#5
2-Fluorophenol
Concen: 103.607 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:112 Resp: 132349

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	29.3	23.0	34.6



Instrument :
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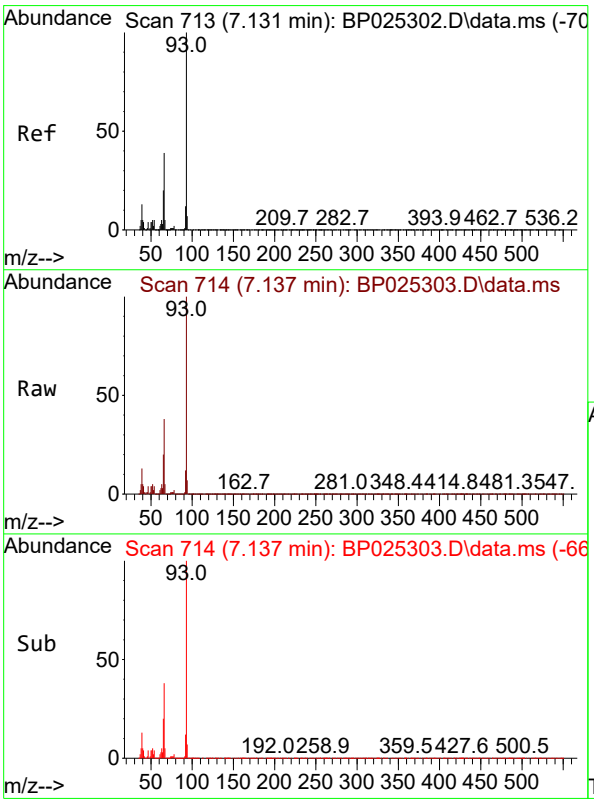
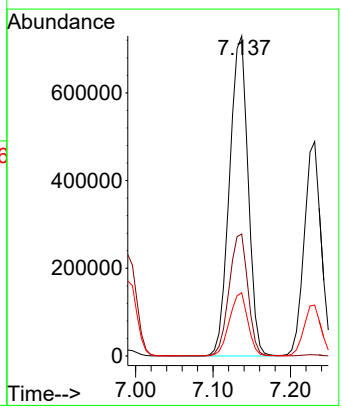
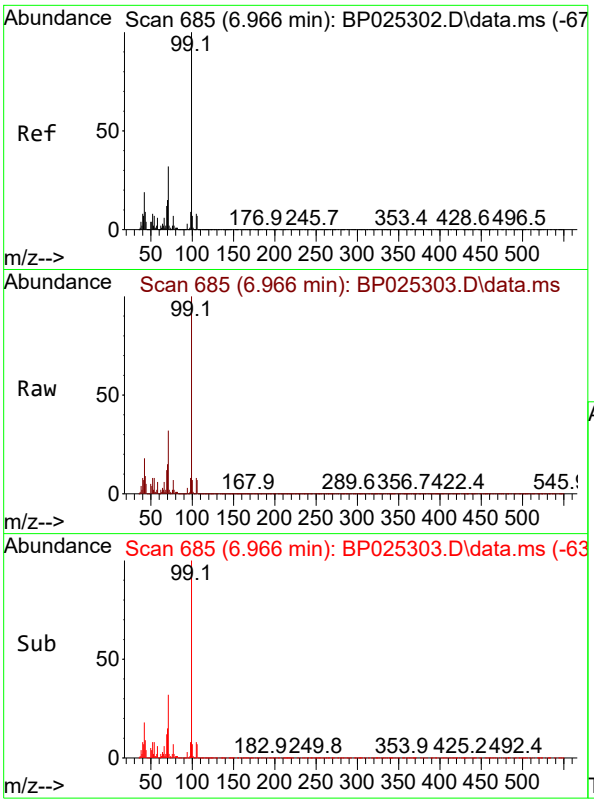


#6
Aniline
Concen: 53.084 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1217200

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.1	46.7
65	19.8	15.8	23.8

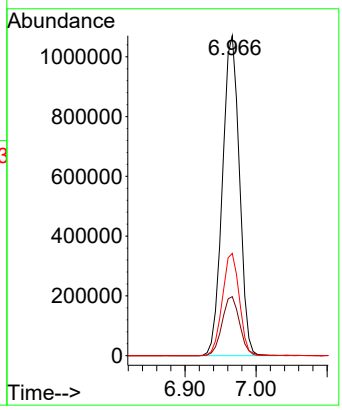




#7
Phenol-d6
Concen: 105.044 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 99 Resp: 177008

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.6
71	32.0	25.5	38.3



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ClientSampleId :
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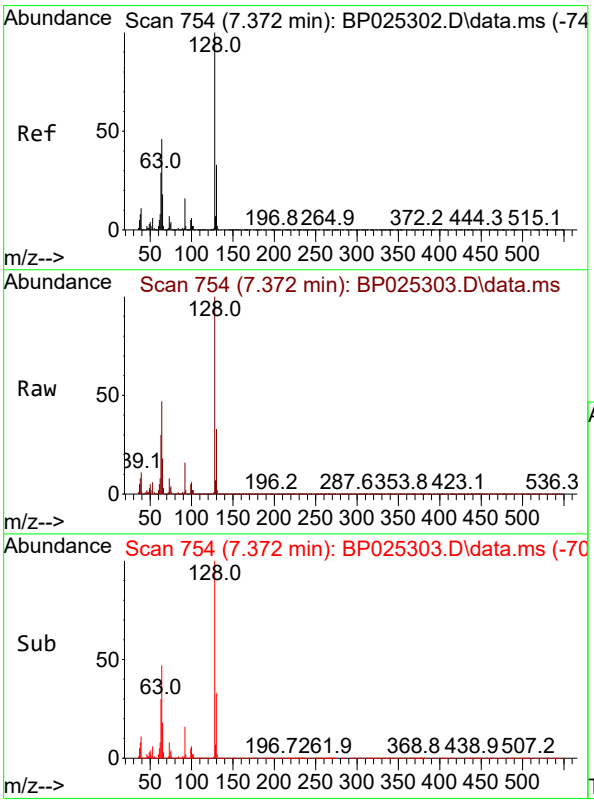
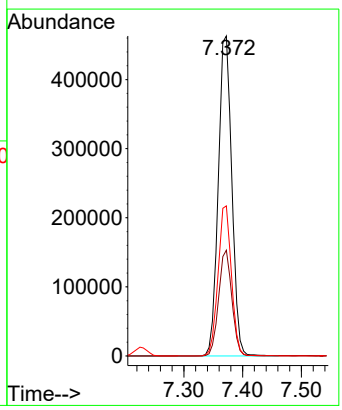
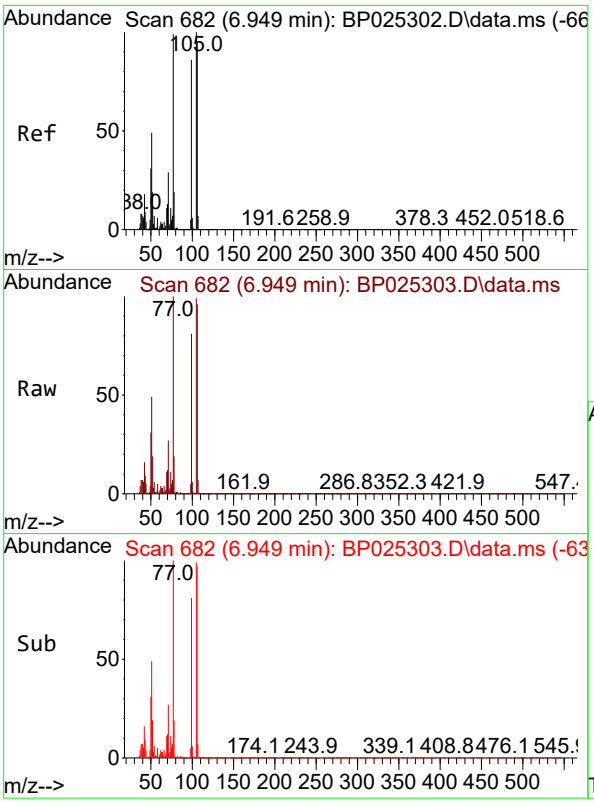


#8
2-Chlorophenol
Concen: 53.306 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:128 Resp: 740540

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	46.9	26.1	66.1

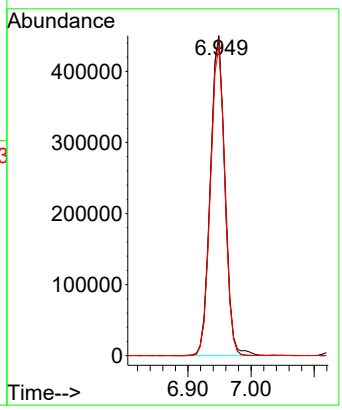




#9
Benzaldehyde
Concen: 60.611 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 71907

Ion	Ratio	Lower	Upper
77	100		
105	98.6	81.4	121.4
106	96.5	76.2	116.2



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ClientSampleId :
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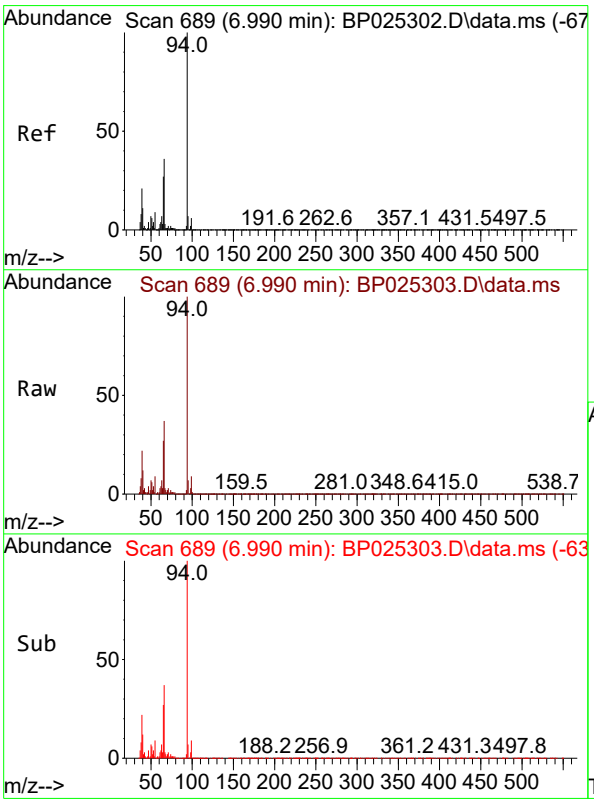
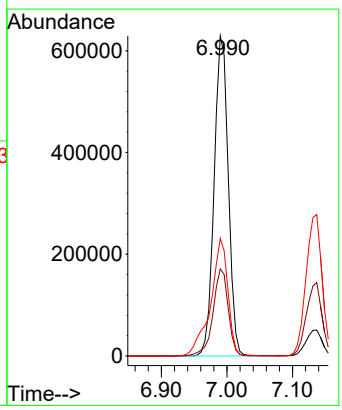
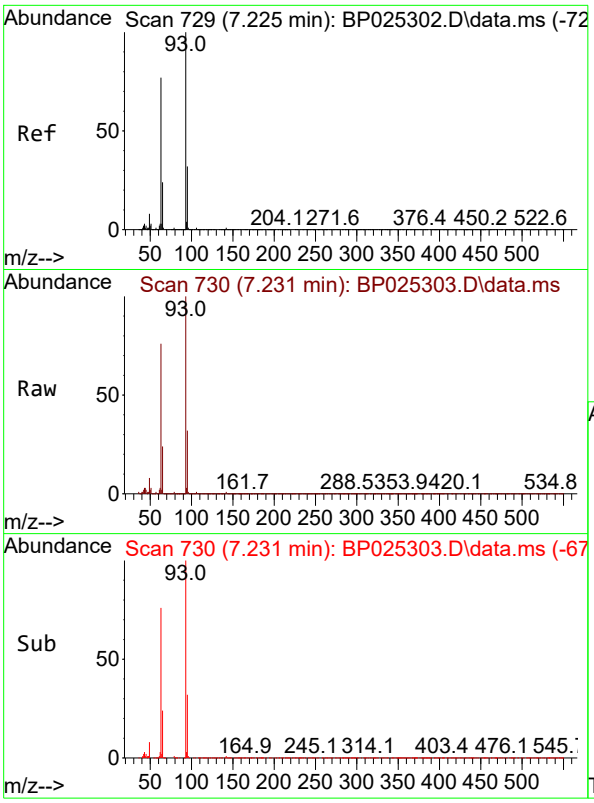


#10
Phenol
Concen: 52.642 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 94 Resp: 940803

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	36.8	15.7	55.7

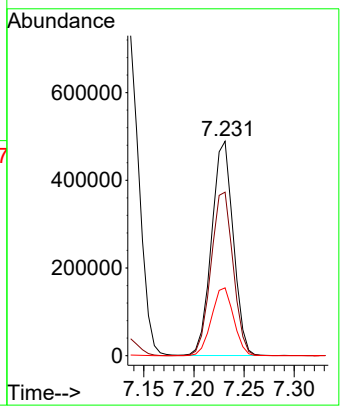




#11
bis(2-Chloroethyl)ether
Concen: 52.476 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 73482

Ion	Ratio	Lower	Upper
93	100		
63	76.2	57.0	97.0
95	31.6	12.1	52.1



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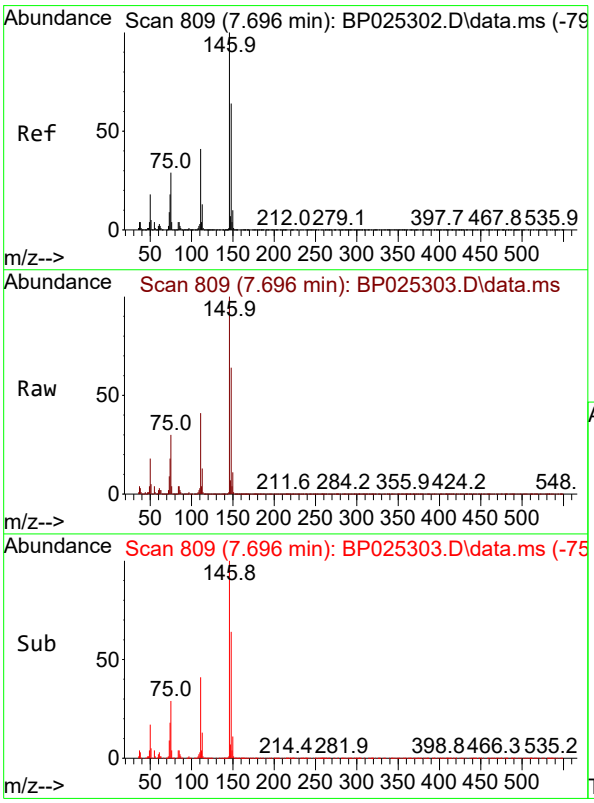
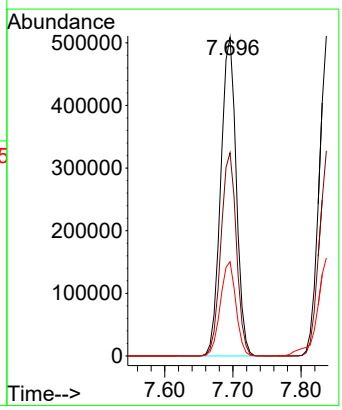
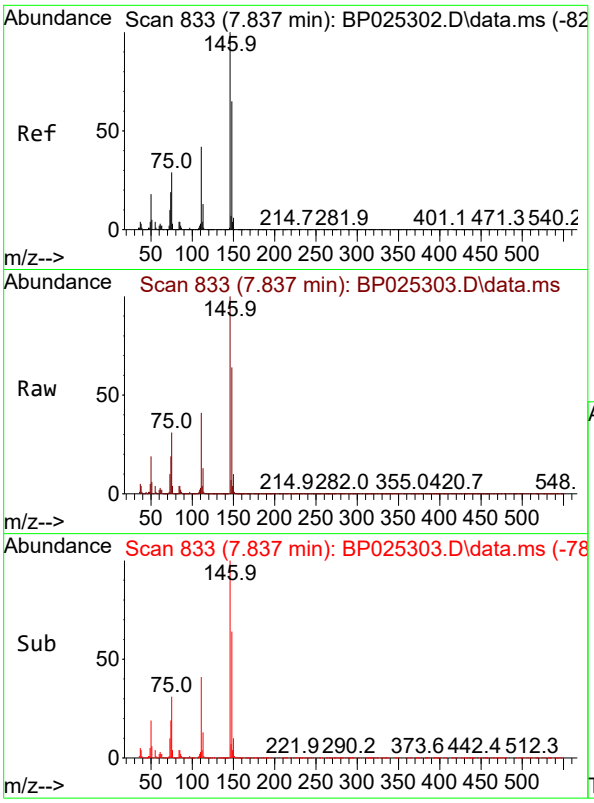


#12
1,3-Dichlorobenzene
Concen: 51.499 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 803898

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
75	29.6	23.2	34.8

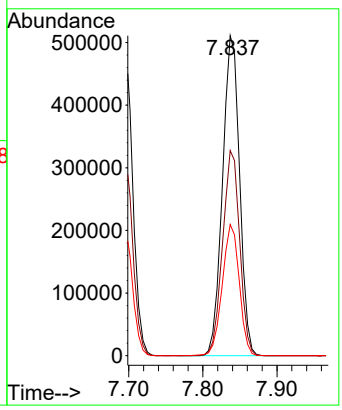




#13
1,4-Dichlorobenzene
Concen: 51.745 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 81718

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.0	78.0
111	41.0	33.2	49.8



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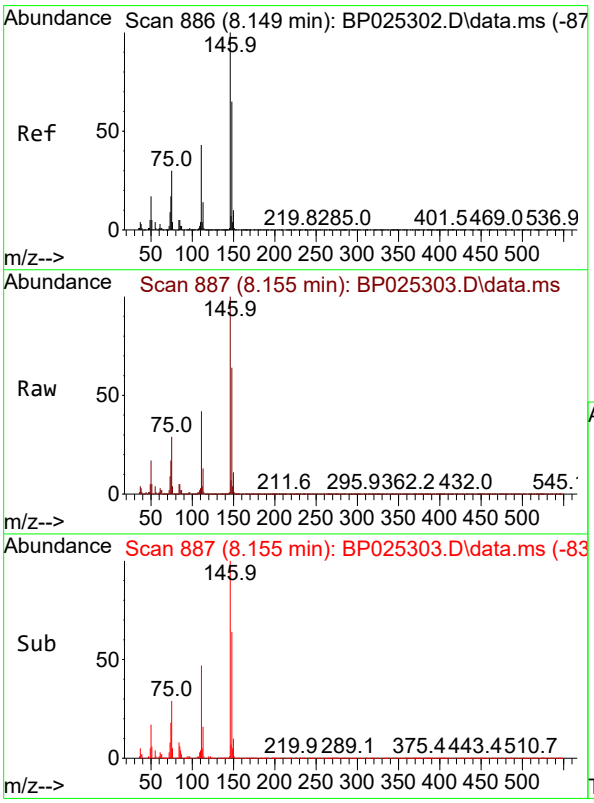
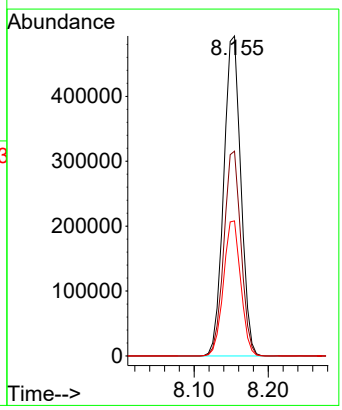
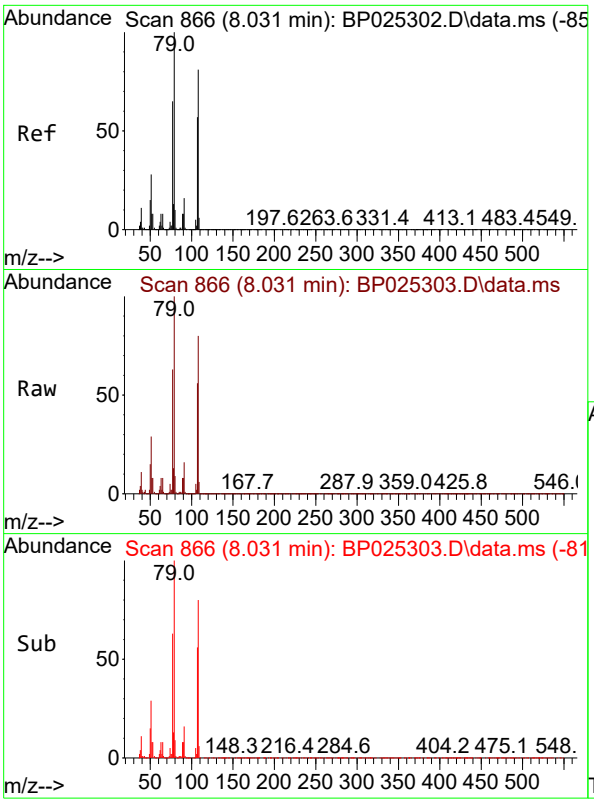


#14
1,2-Dichlorobenzene
Concen: 51.749 ng
RT: 8.155 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 791692

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	42.2	34.4	51.6

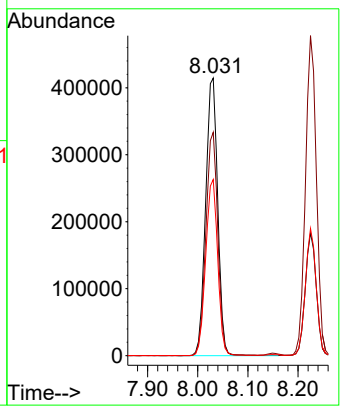




#15
Benzyl Alcohol
Concen: 53.573 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 79 Resp: 69364

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	63.5	51.9	77.9



Instrument :
BNA_P
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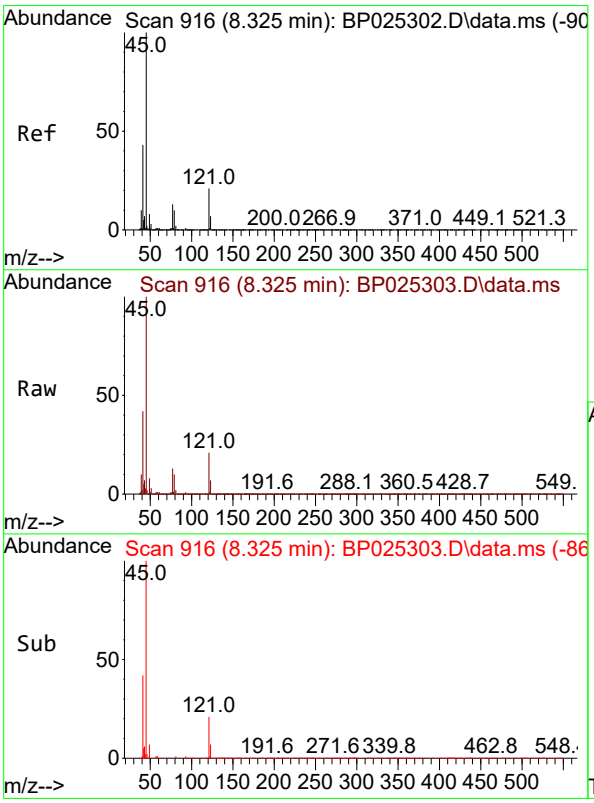
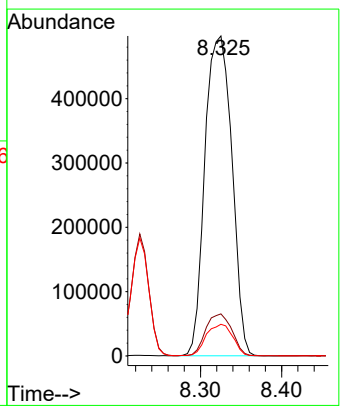
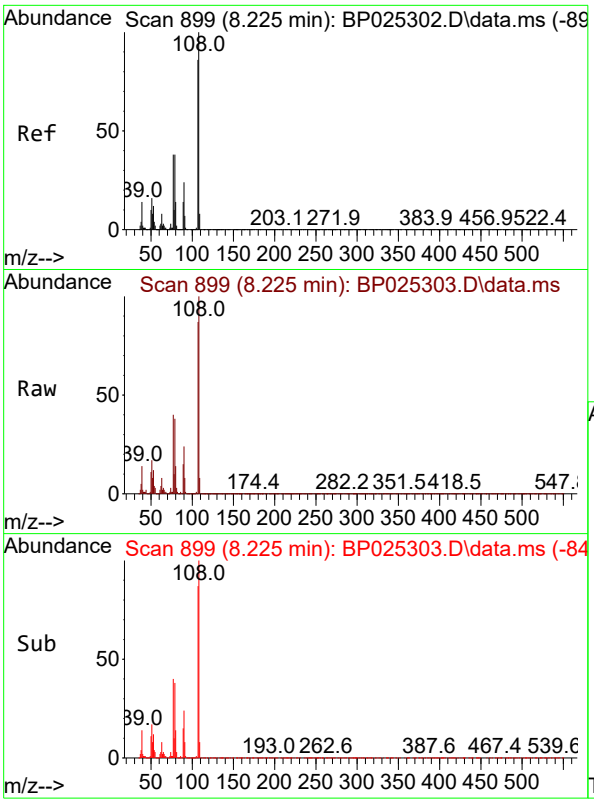


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.937 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 45 Resp: 1148882

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.0
79	9.9	0.0	29.8

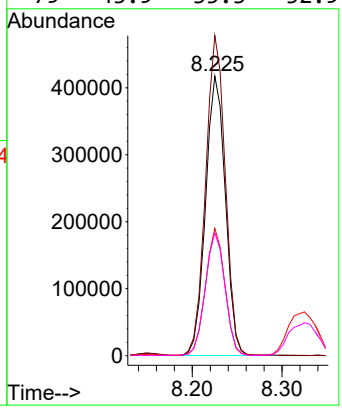




#17
2-Methylphenol
Concen: 53.483 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 63957

Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.6	139.0
77	45.5	35.4	53.2
79	43.9	35.3	52.9



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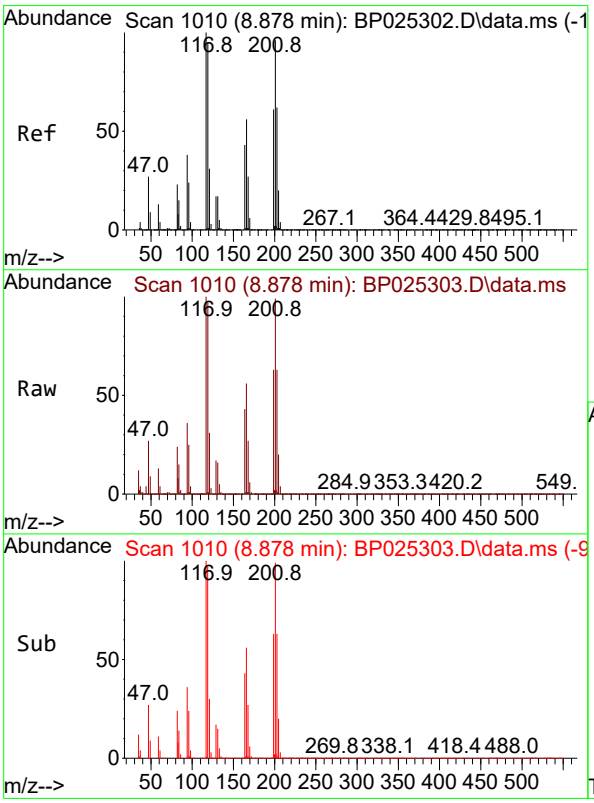
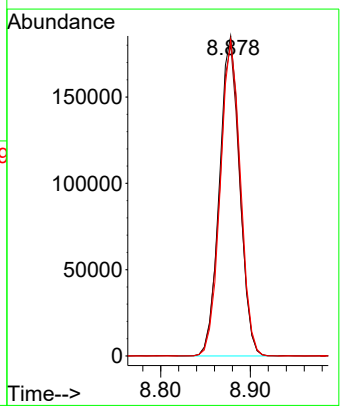
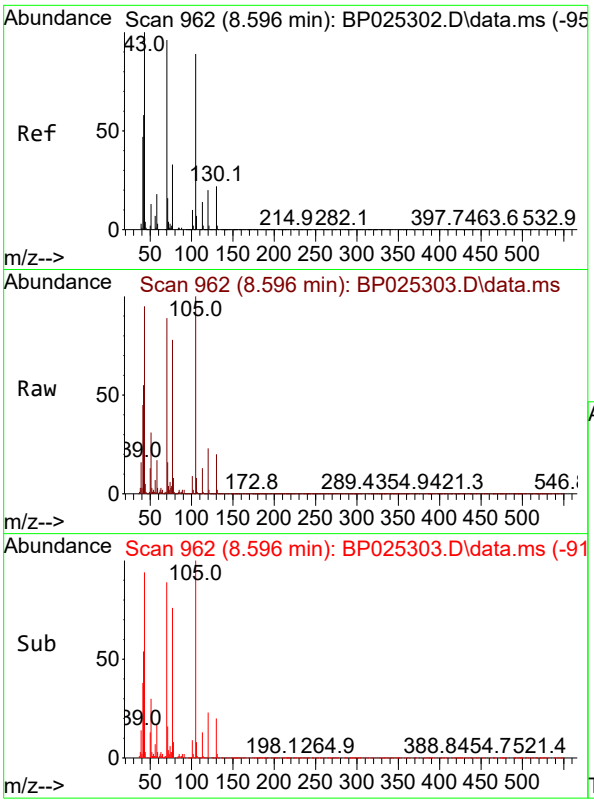


#18
Hexachloroethane
Concen: 51.649 ng
RT: 8.878 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:117 Resp: 291706

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
201	98.9	76.6	114.8

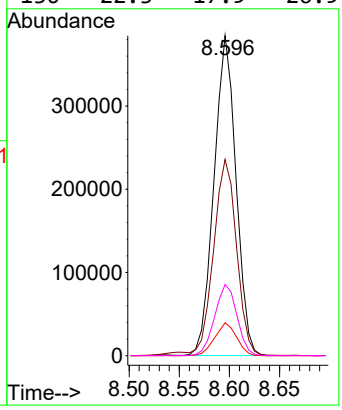




#19
n-Nitroso-di-n-propylamine
Concen: 53.300 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 70 Resp: 58494

Ion	Ratio	Lower	Upper
70	100		
42	61.3	49.4	74.0
101	10.3	7.9	11.9
130	22.3	17.9	26.9



Instrument :
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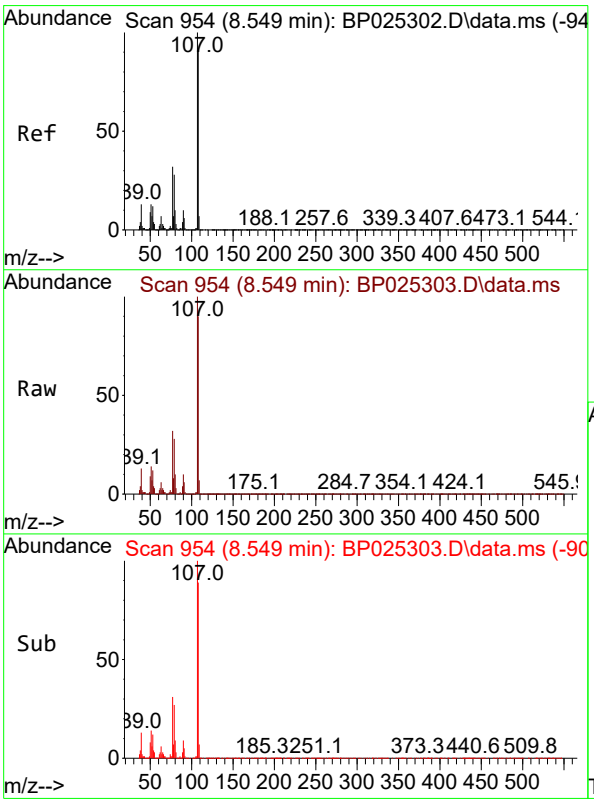
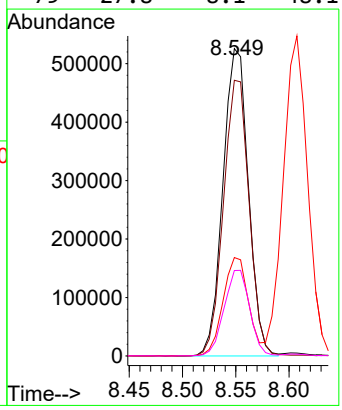
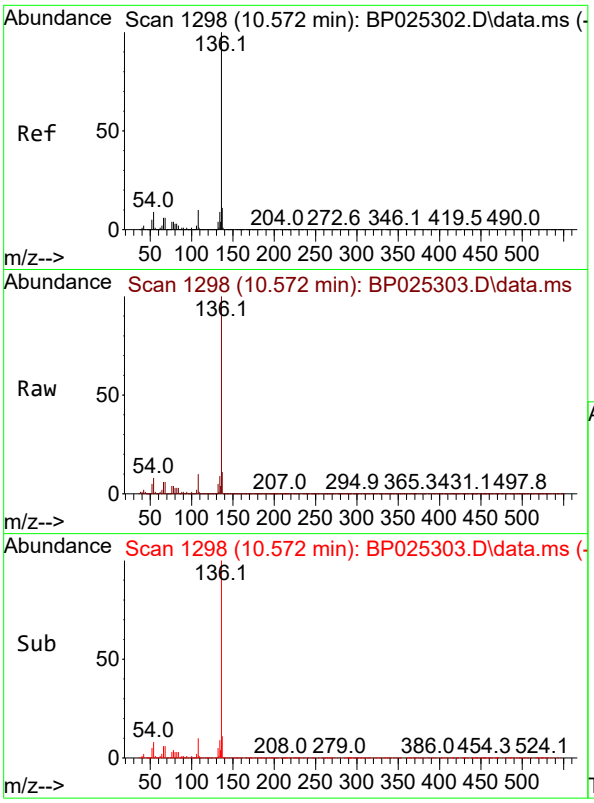


#20
3+4-Methylphenols
Concen: 53.075 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 873995

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.9	111.9
77	32.0	12.0	52.0
79	27.8	8.1	48.1

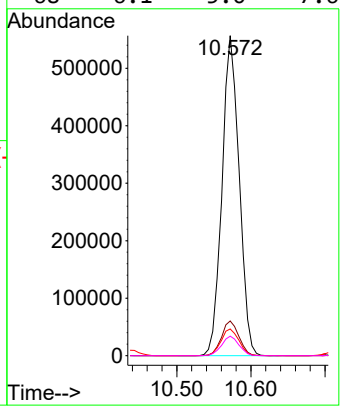




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:136 Resp: 89527

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	7.0	10.6
68	6.1	5.0	7.6



Instrument :
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ClientSampleId :
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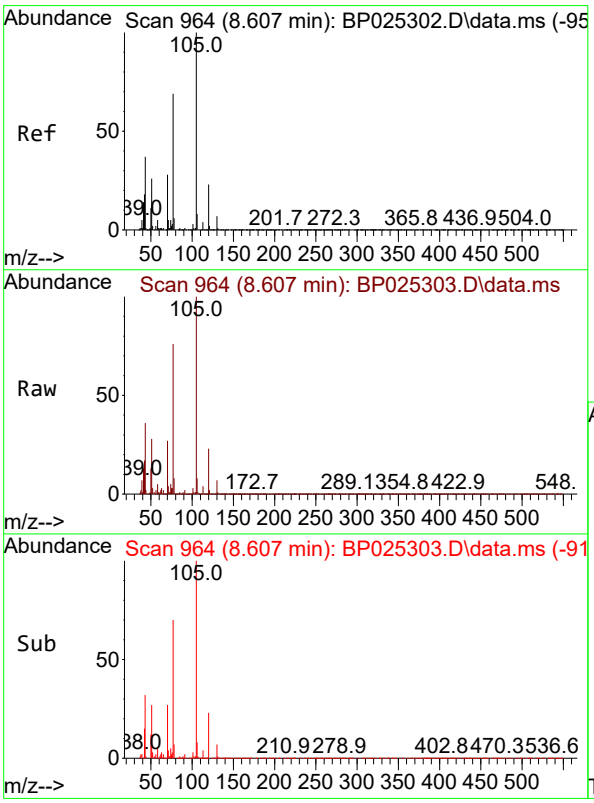
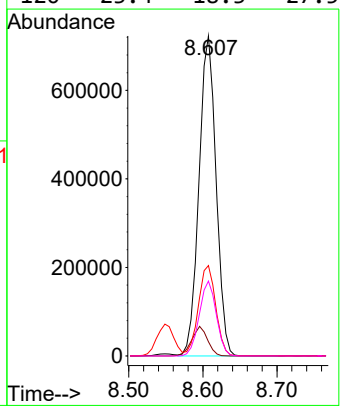
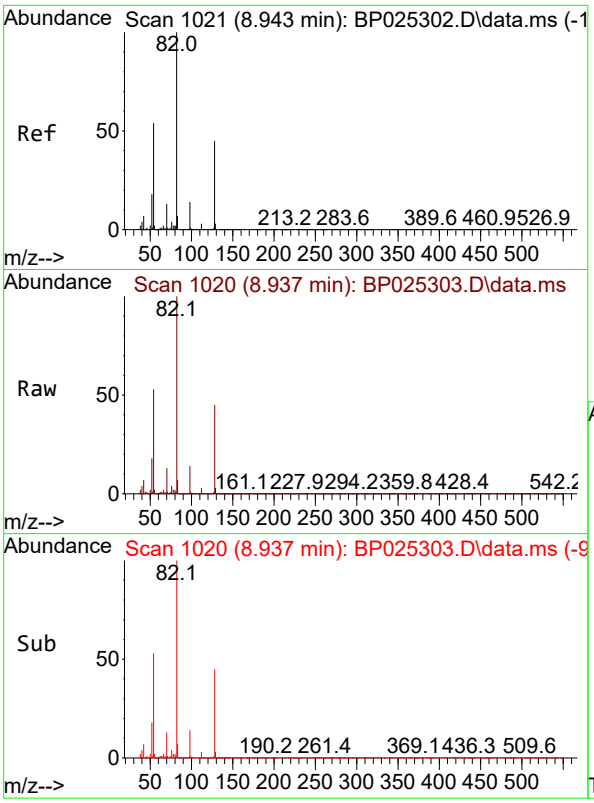


#22
Acetophenone
Concen: 51.524 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:105 Resp: 1157990

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.1	6.1
51	28.2	22.7	34.1
120	23.4	18.3	27.5

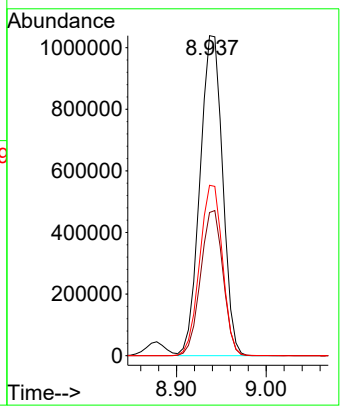




#23
Nitrobenzene-d5
Concen: 110.005 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 82 Resp: 182022

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.4	53.2
54	53.3	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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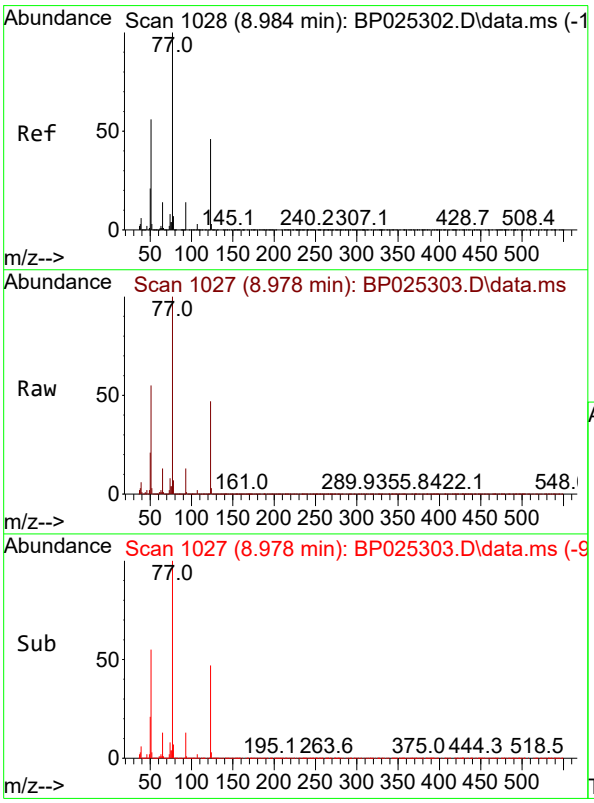
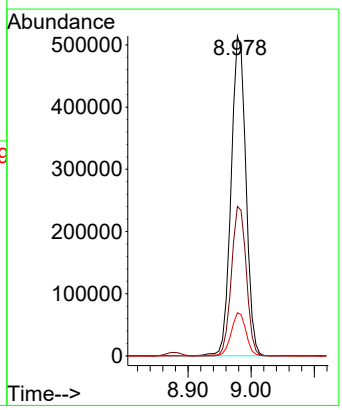
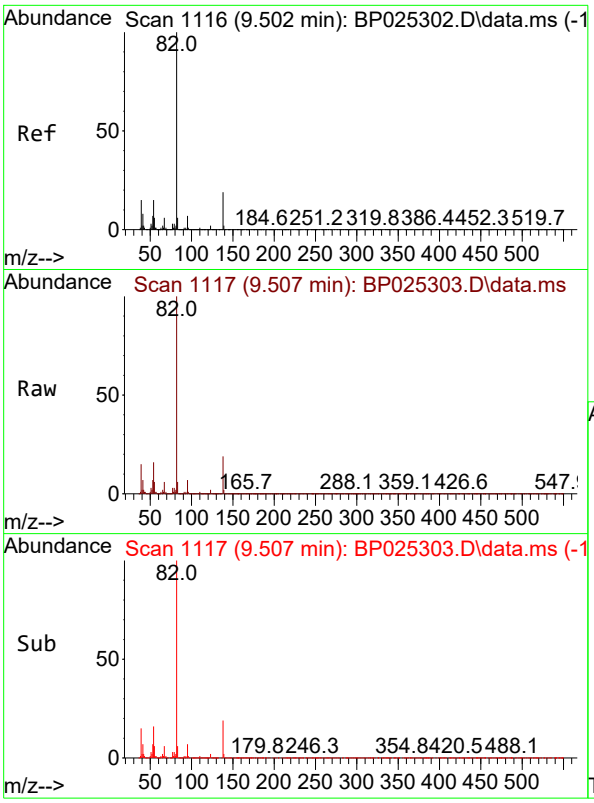


#24
Nitrobenzene
Concen: 54.626 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 835622

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.5	11.1	16.7

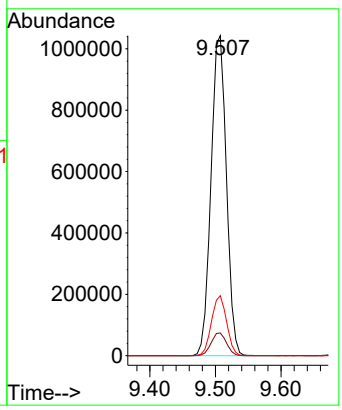




#25
Isophorone
Concen: 52.827 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 82 Resp: 169929

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.7	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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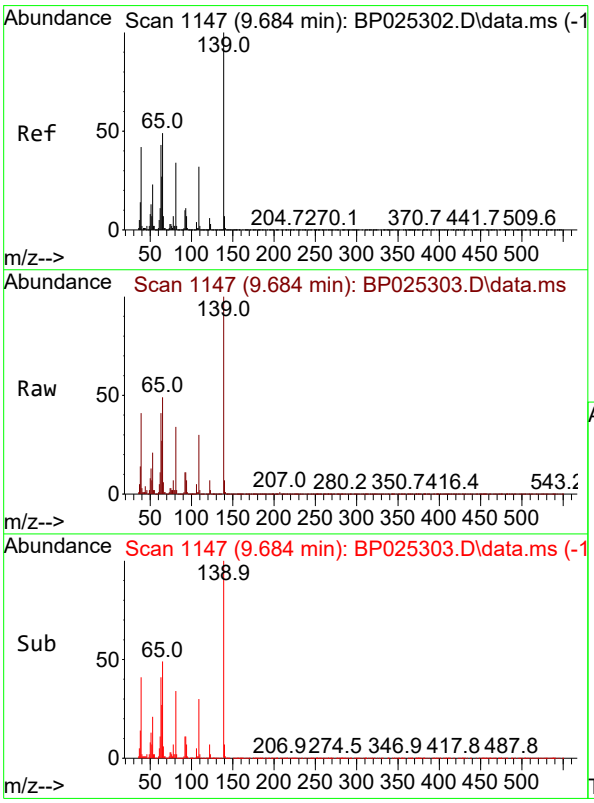
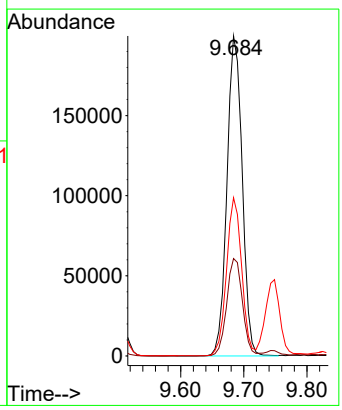
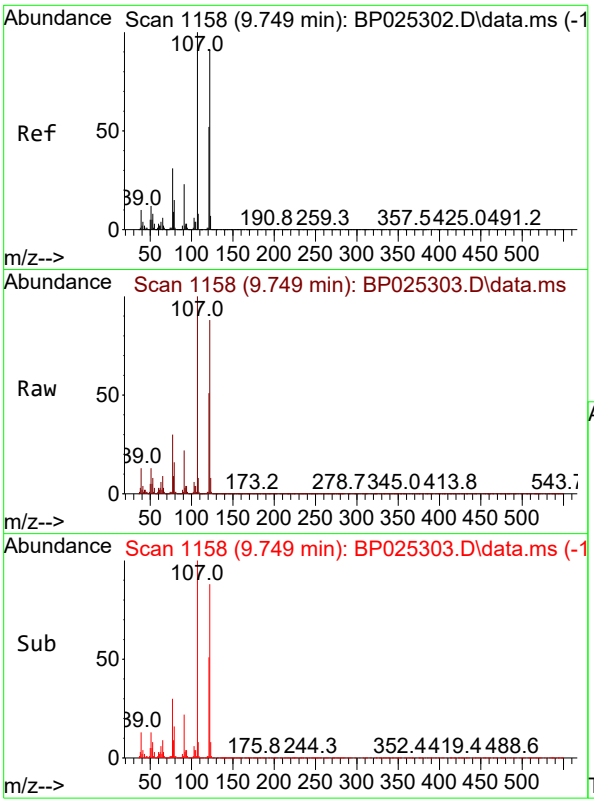


#26
2-Nitrophenol
Concen: 49.999 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 334267

Ion	Ratio	Lower	Upper
139	100		
109	30.5	25.2	37.8
65	49.4	39.6	59.4

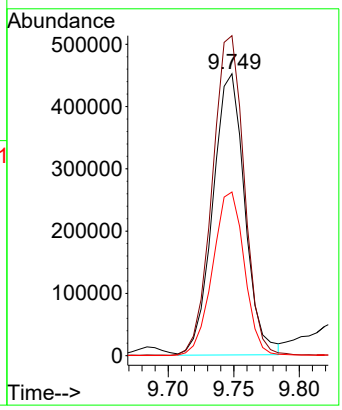




#27
2,4-Dimethylphenol
Concen: 51.553 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:122 Resp: 764549

Ion	Ratio	Lower	Upper
122	100		
107	113.5	87.4	131.0
121	58.1	45.8	68.8



Instrument :
BNA_P
ClientSampleId :
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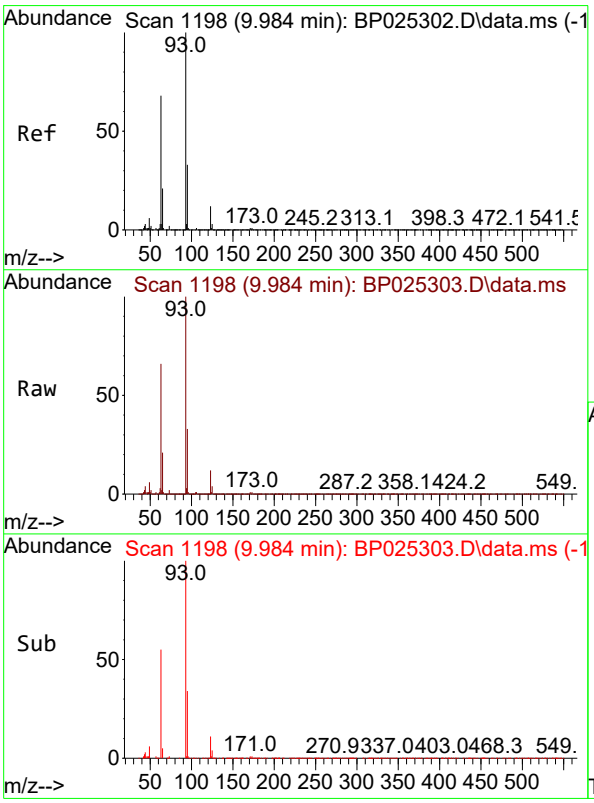
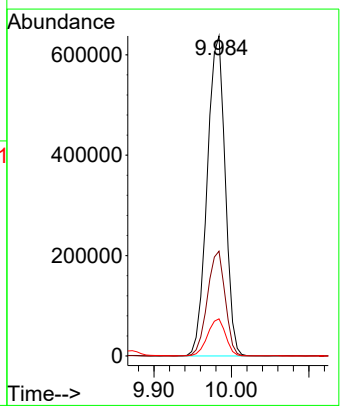
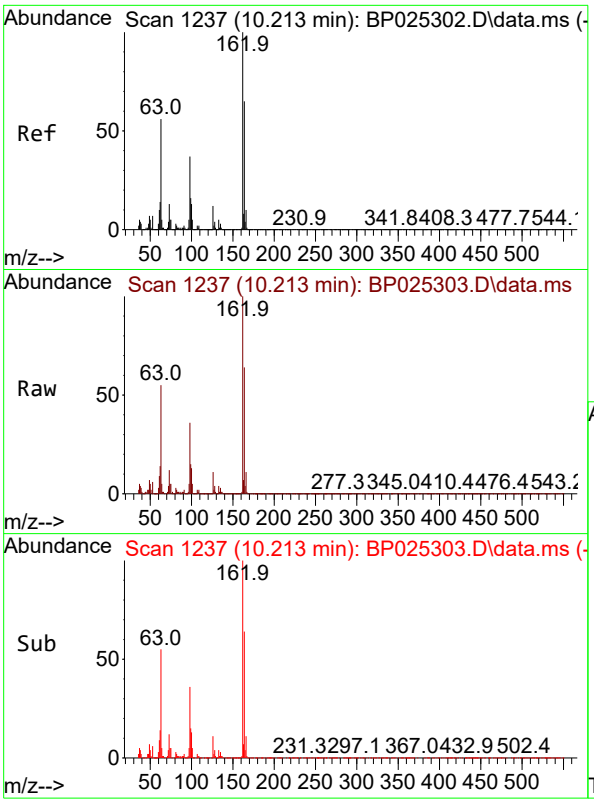


#28
bis(2-Chloroethoxy)methane
Concen: 52.308 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1023578

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	11.6	9.4	14.2

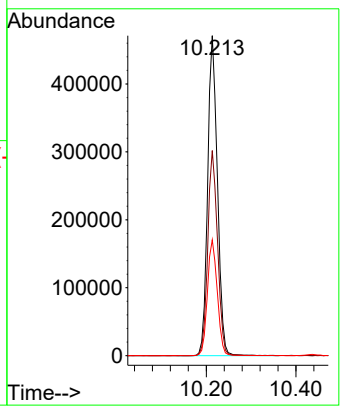




#29
2,4-Dichlorophenol
Concen: 54.711 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:162 Resp: 71035

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.2	85.2
98	36.2	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
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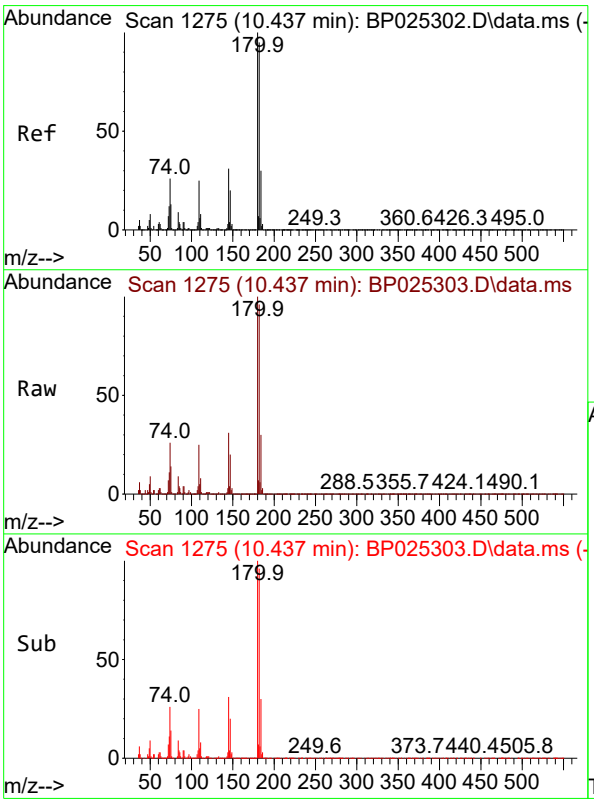
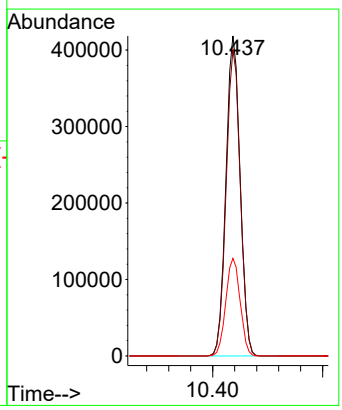
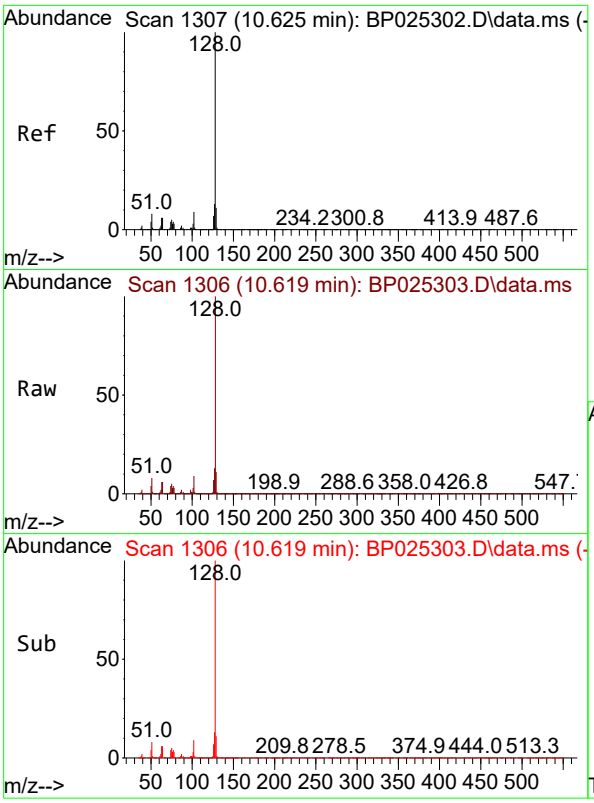


#30
1,2,4-Trichlorobenzene
Concen: 52.150 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:180 Resp: 747003

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	30.5	25.0	37.4

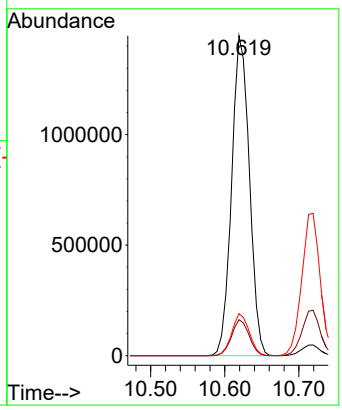




#31
Naphthalene
Concen: 51.746 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:128 Resp: 240495

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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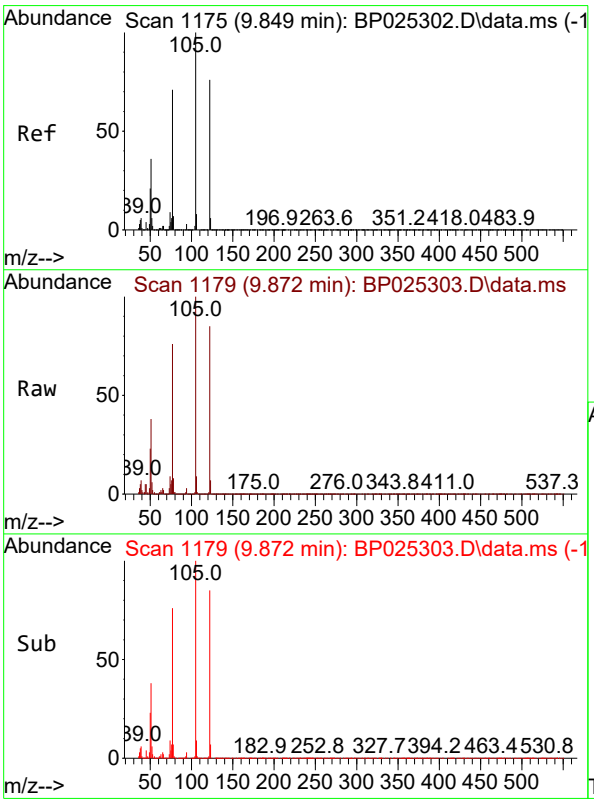
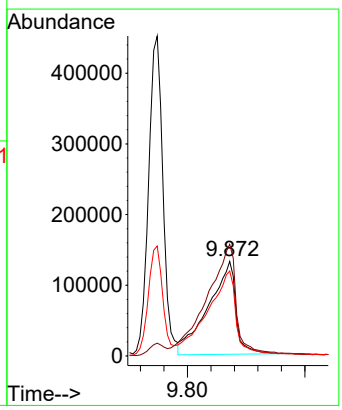
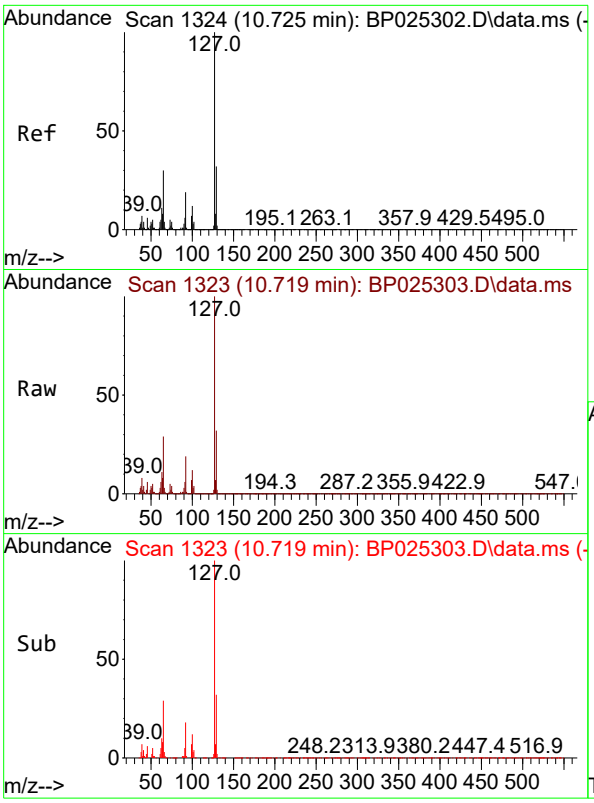


#32
Benzoic acid
Concen: 49.747 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:122 Resp: 427207

Ion	Ratio	Lower	Upper
122	100		
105	118.0	104.0	144.0
77	89.7	71.8	111.8

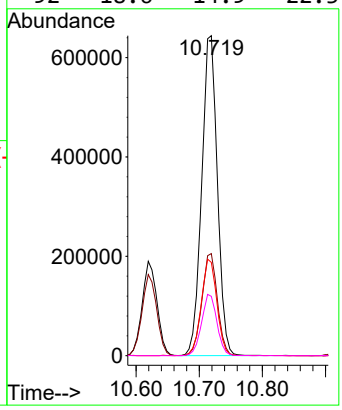




#33
4-Chloroaniline
Concen: 53.624 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:127 Resp: 110842

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.2	23.6	35.4
92	18.6	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
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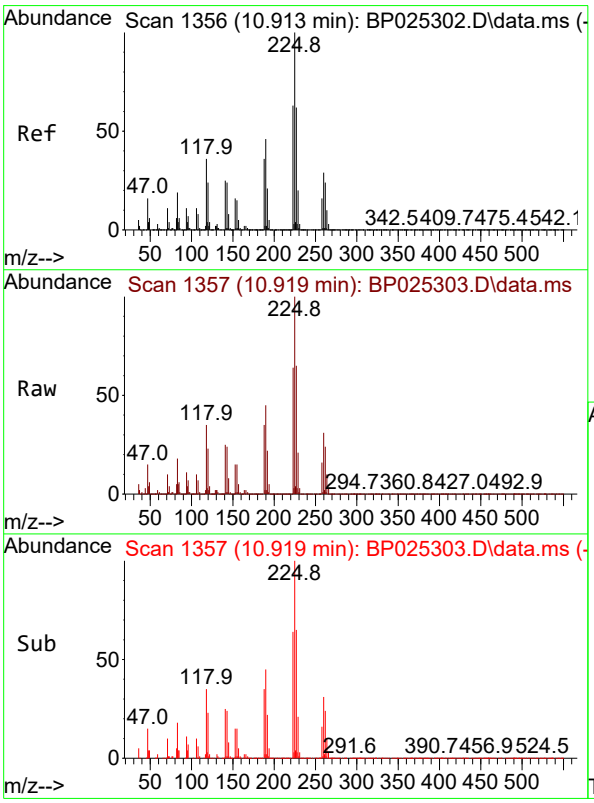
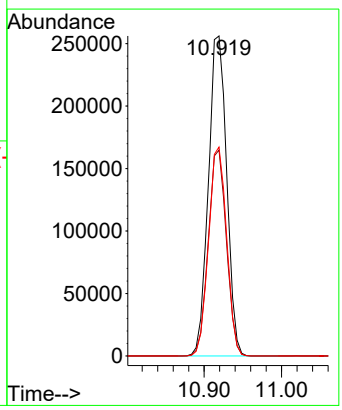
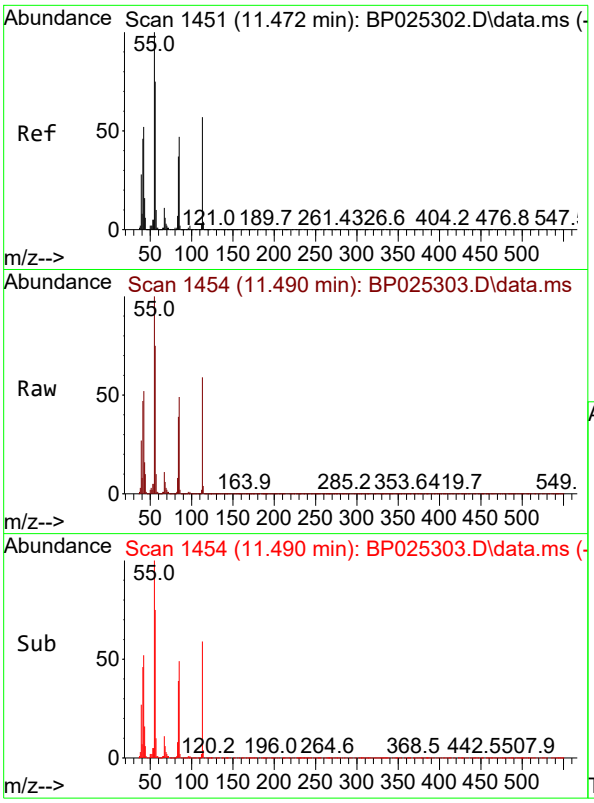


#34
Hexachlorobutadiene
Concen: 51.144 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:225 Resp: 420532

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.3	75.5
227	65.3	49.7	74.5

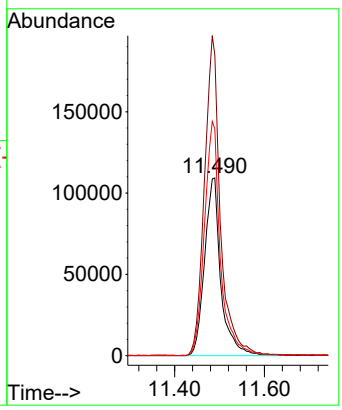




#35
Caprolactam
Concen: 54.273 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:113 Resp: 27397

Ion	Ratio	Lower	Upper
113	100		
55	169.0	154.4	194.4
56	127.5	110.9	150.9



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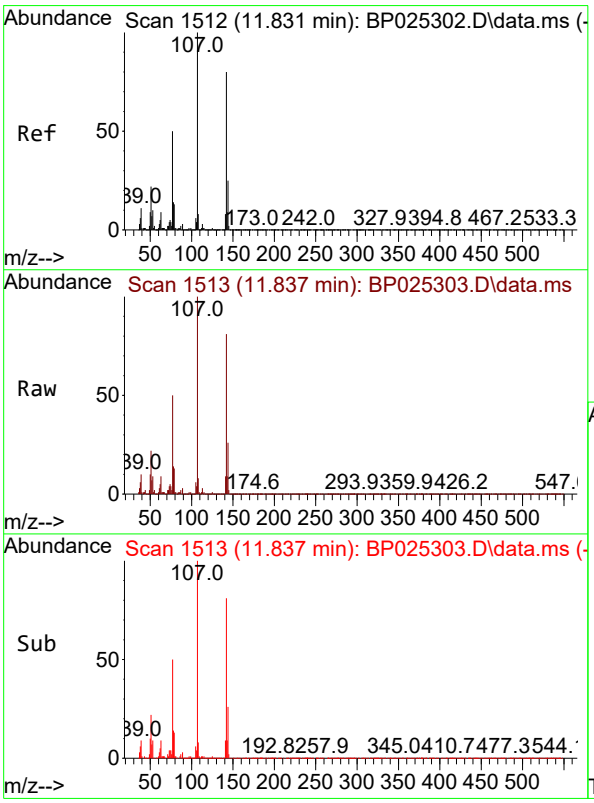
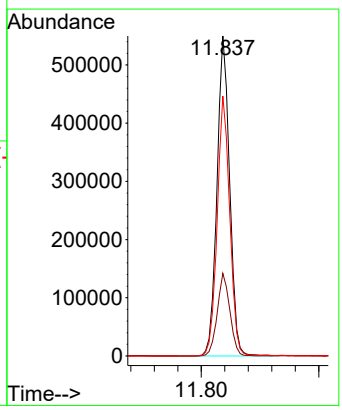
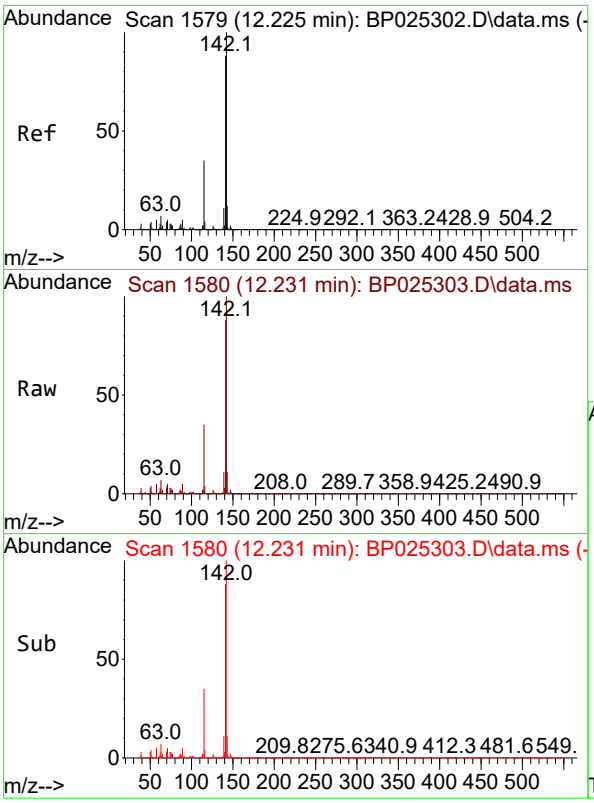


#36
4-Chloro-3-methylphenol
Concen: 54.768 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 822806

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.4	30.6
142	81.2	63.7	95.5

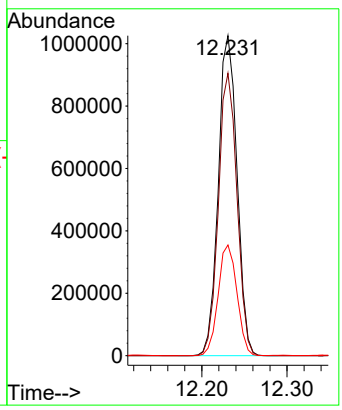




#37
2-Methylnaphthalene
Concen: 52.175 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:142 Resp: 156952

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	34.6	28.0	42.0



Instrument :
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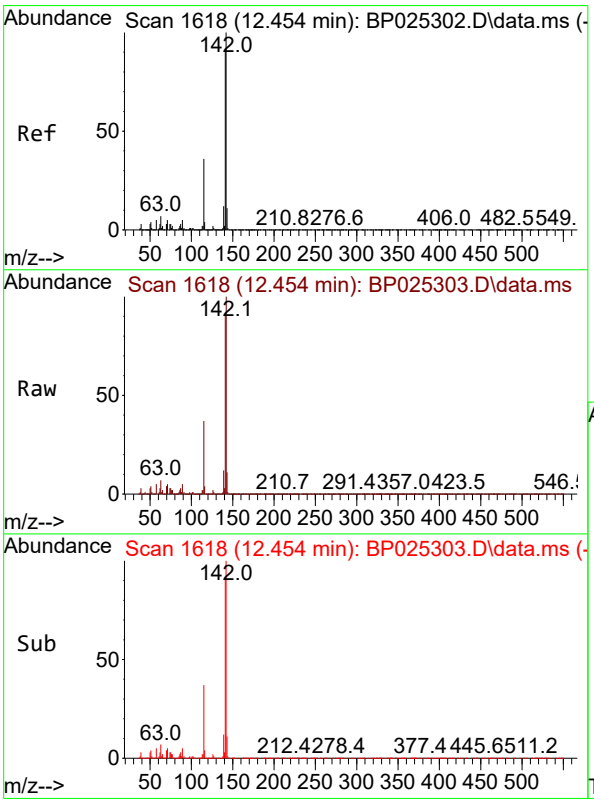
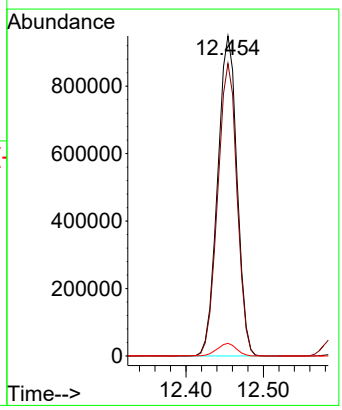
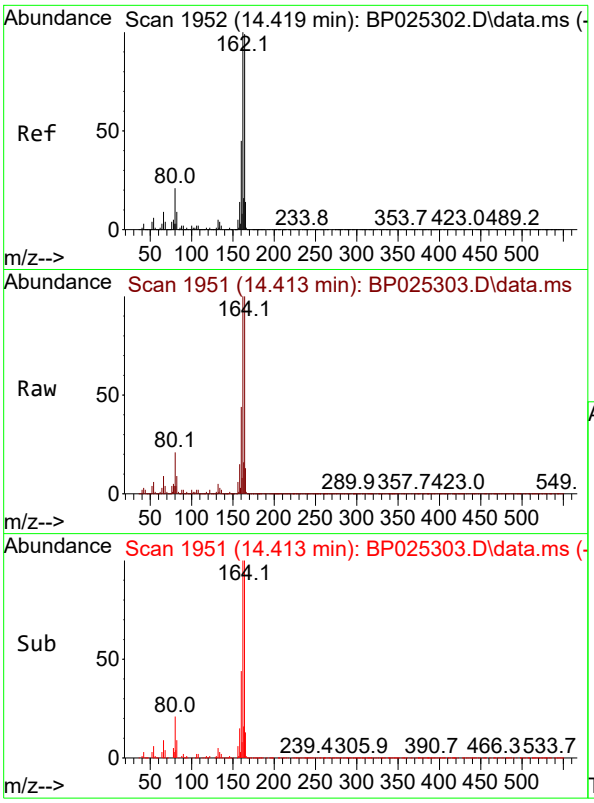


#38
1-Methylnaphthalene
Concen: 52.701 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:142 Resp: 1654175

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.6
116	3.9	3.0	4.6

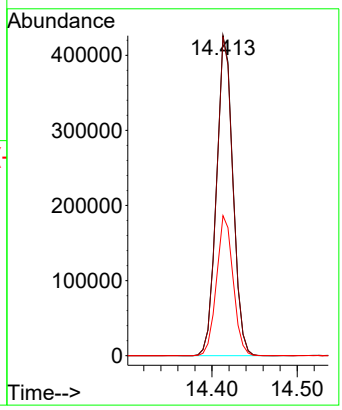




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:164 Resp: 57161

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.8	35.9	53.9



Instrument :
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ClientSampleId :
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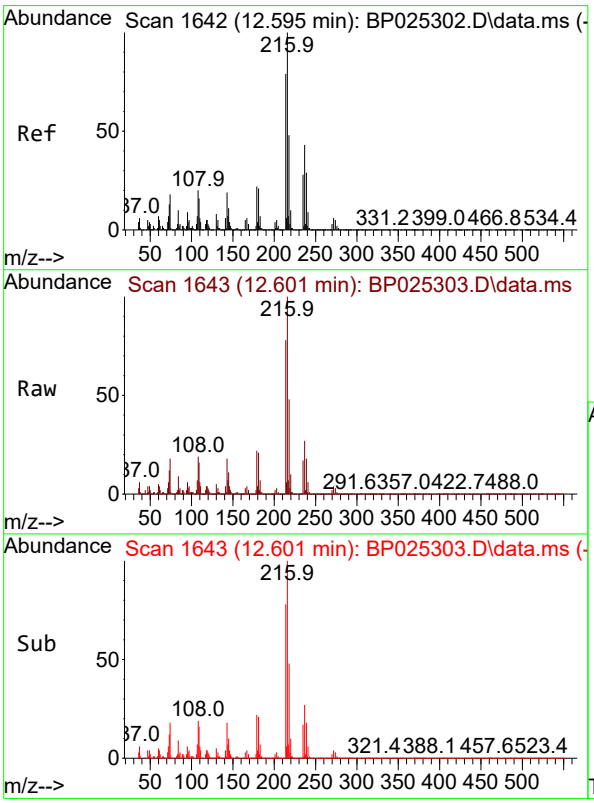
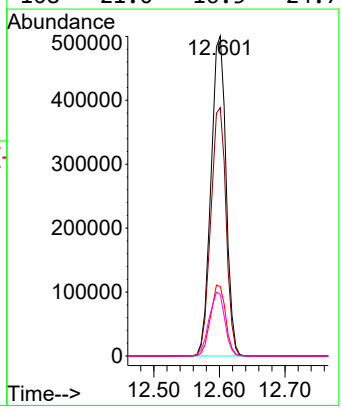
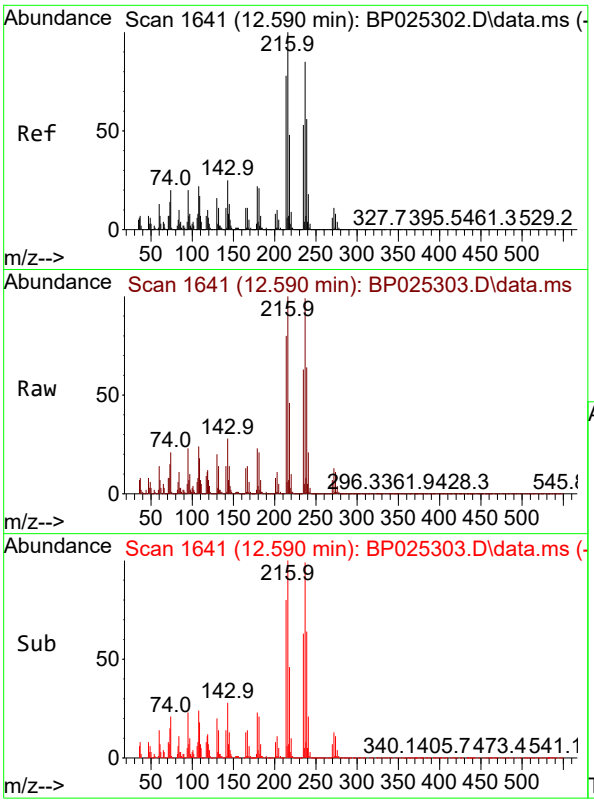


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.962 ng
RT: 12.601 min Scan# 1643
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:216 Resp: 795310

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	22.2	17.5	26.3
108	21.0	16.5	24.7





#41
Hexachlorocyclopentadiene
Concen: 53.061 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:237 Resp: 51106

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.2	82.2
272	12.8	0.0	32.8

Instrument :
BNA_P
ClientSampleId :
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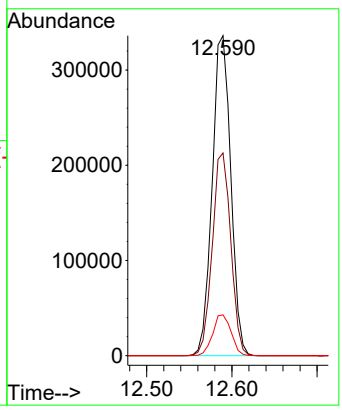
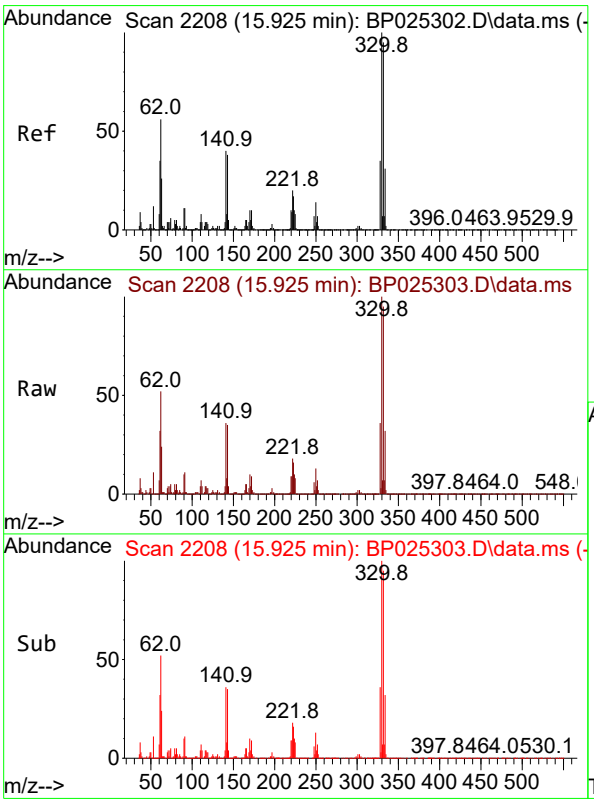
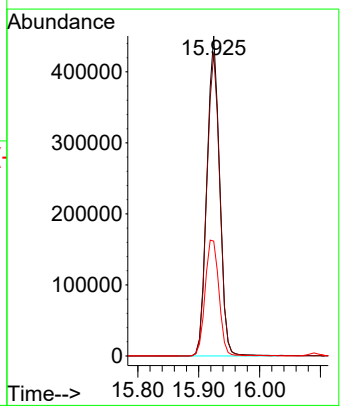


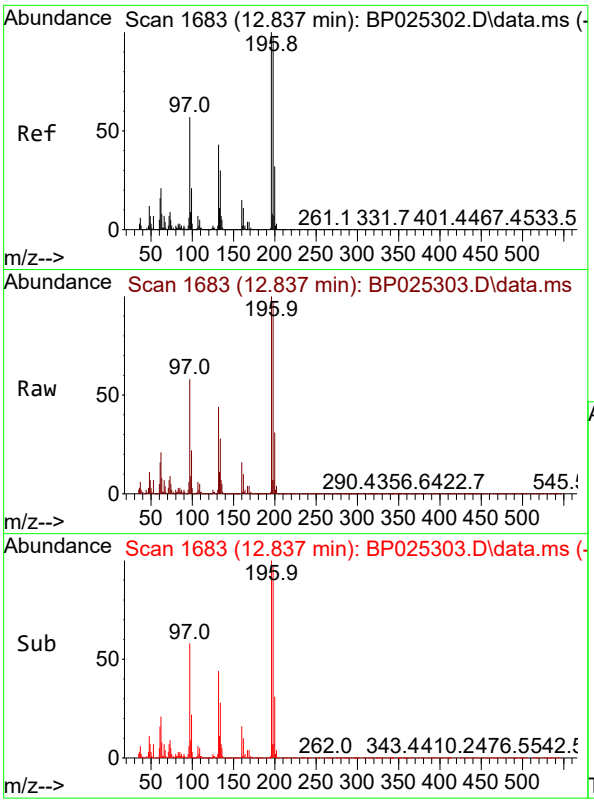


#42
2,4,6-Tribromophenol
Concen: 110.884 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:330 Resp: 654420

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.3	31.7	47.5

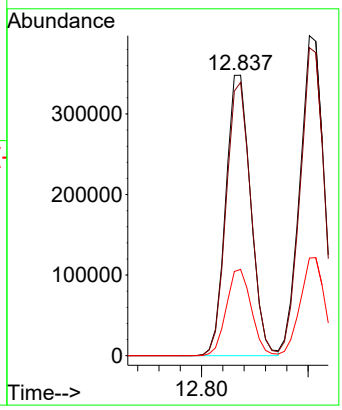




#43
2,4,6-Trichlorophenol
Concen: 56.046 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:196 Resp: 565018

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.3	115.9
200	30.8	25.4	38.2



Instrument :
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ClientSampleId :
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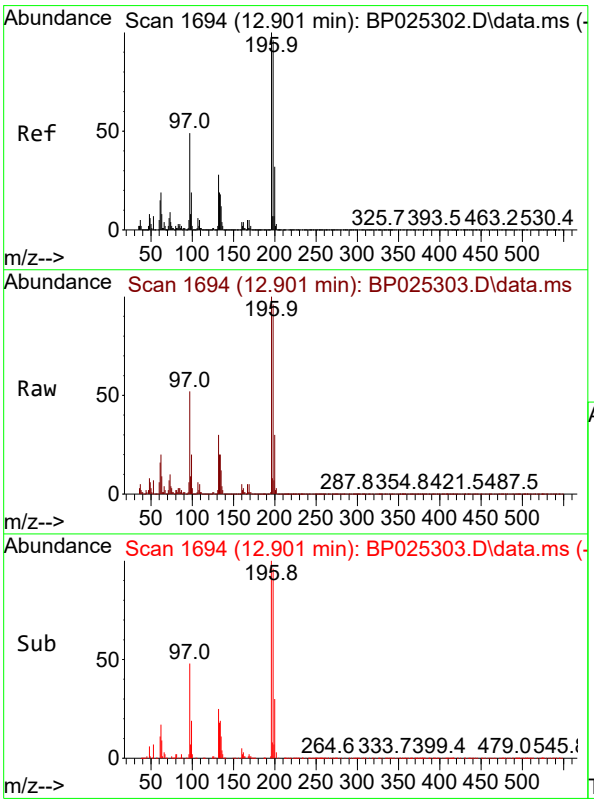
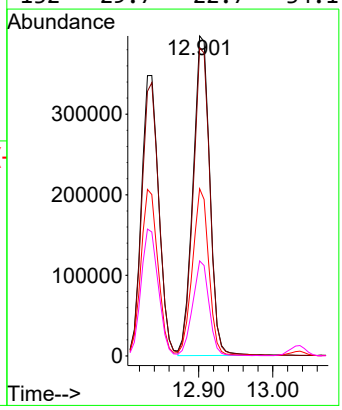
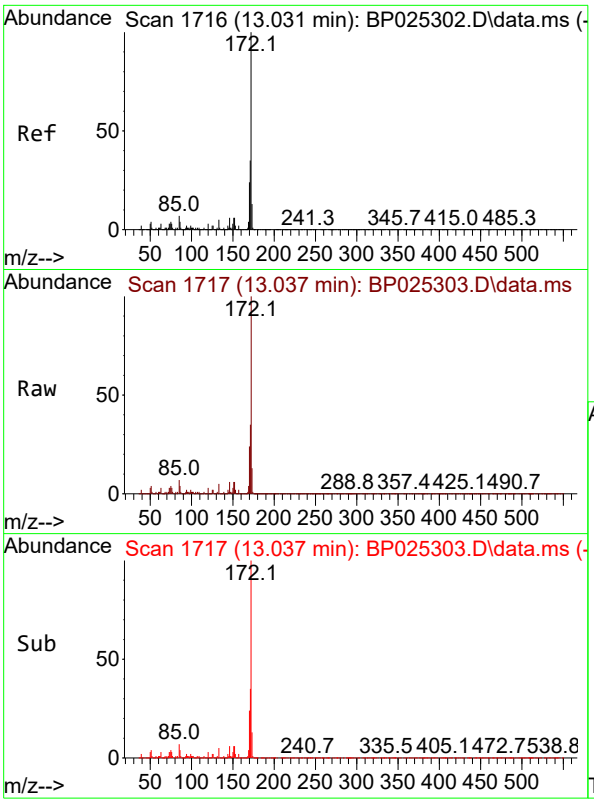


#44
2,4,5-Trichlorophenol
Concen: 55.243 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:196 Resp: 624750

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
97	52.2	39.5	59.3
132	29.7	22.7	34.1

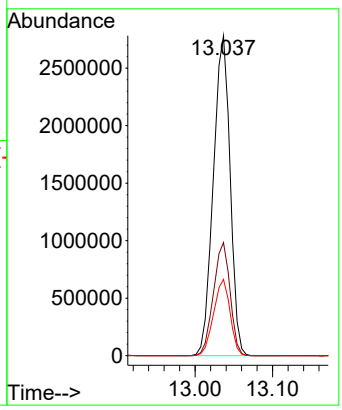




#45
2-Fluorobiphenyl
Concen: 101.643 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:172 Resp: 418412

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.9	18.9	28.3



Instrument :
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ClientSampleId :
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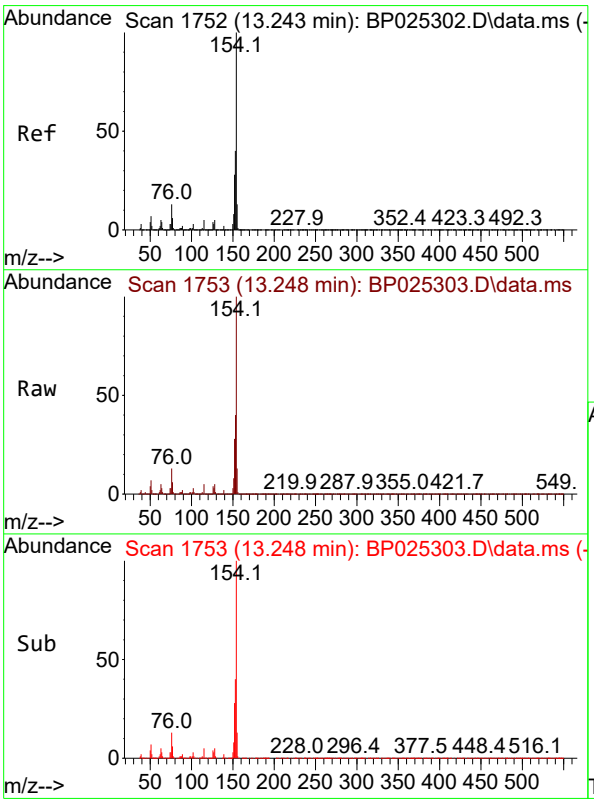
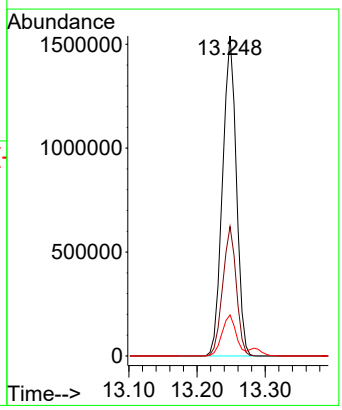
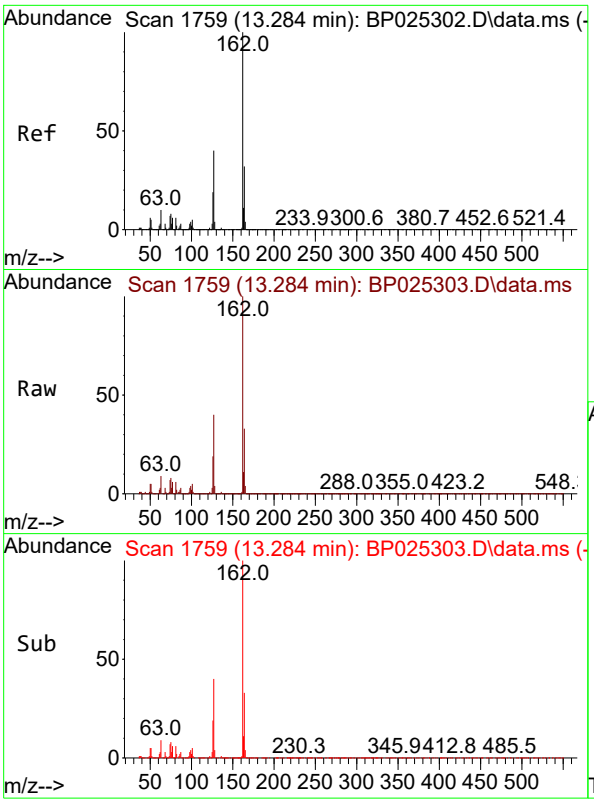


#46
1,1'-Biphenyl
Concen: 51.457 ng
RT: 13.248 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 2167632

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.9	59.9
76	12.8	0.0	33.2

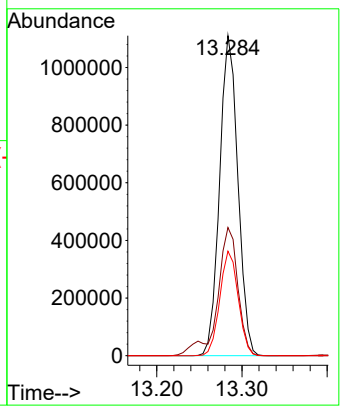




#47
2-Chloronaphthalene
Concen: 51.548 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:162 Resp: 165665

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	32.6	25.9	38.9



Instrument :
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ClientSampleId :
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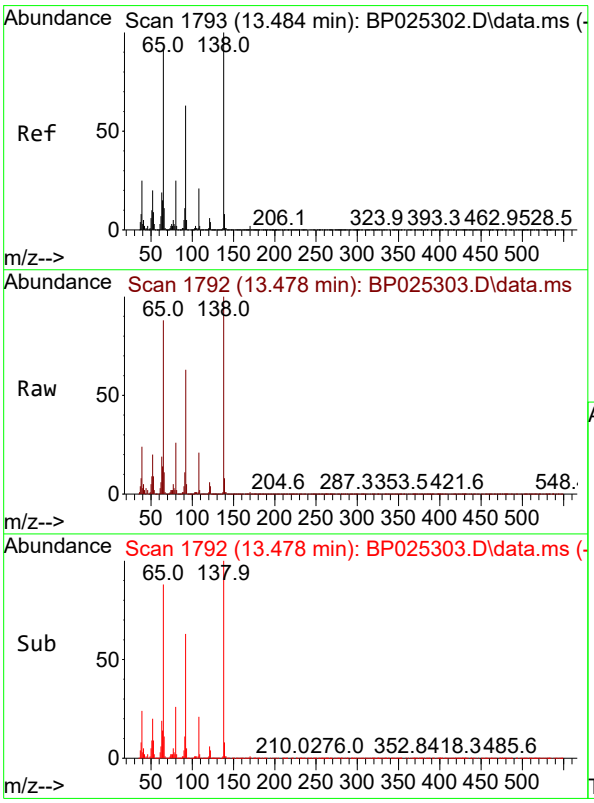
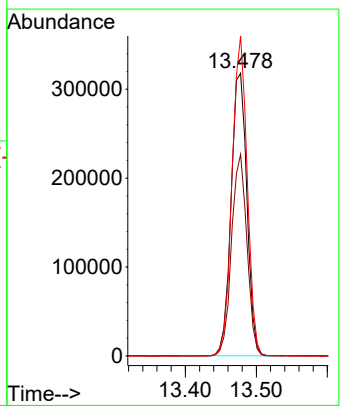
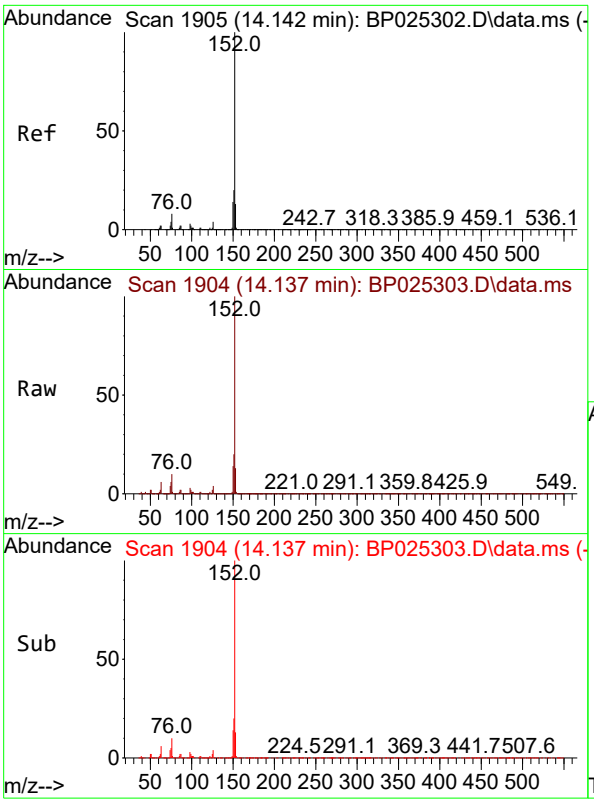


#48
2-Nitroaniline
Concen: 51.971 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 65 Resp: 491730

Ion	Ratio	Lower	Upper
65	100		
92	71.3	54.4	81.6
138	113.2	87.0	130.4

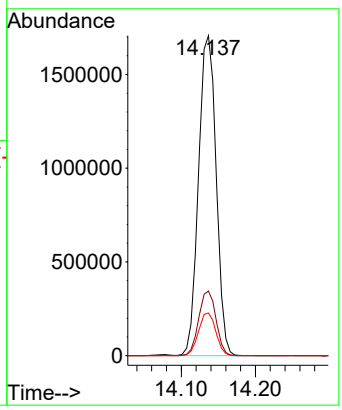




#49
Acenaphthylene
Concen: 52.537 ng
RT: 14.137 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:152 Resp: 281636

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.3	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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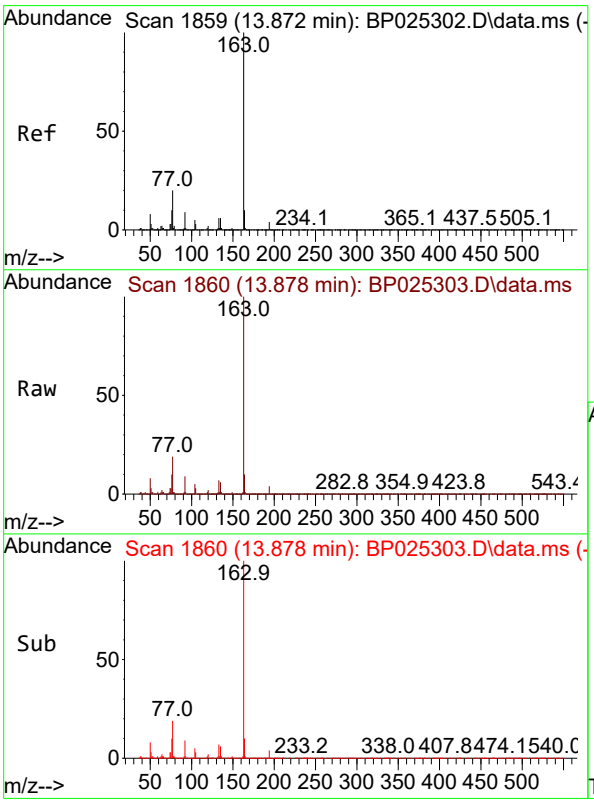
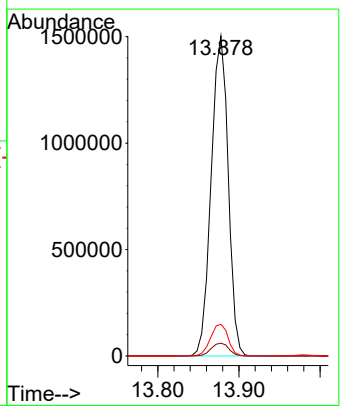
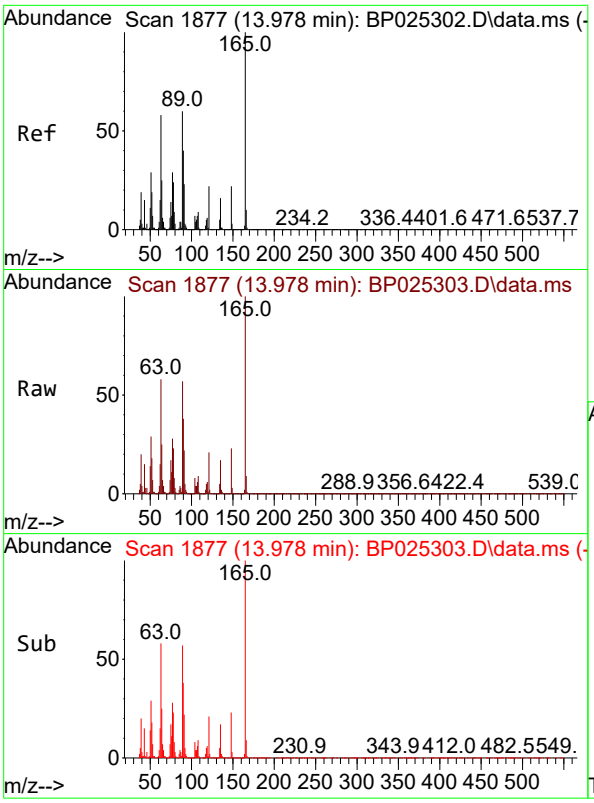


#50
Dimethylphthalate
Concen: 52.544 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:163 Resp: 2189488

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 57.323 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:165 Resp: 44059

Ion	Ratio	Lower	Upper
165	100		
63	58.1	47.6	71.4
89	57.1	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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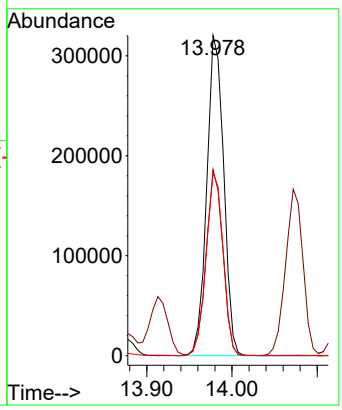
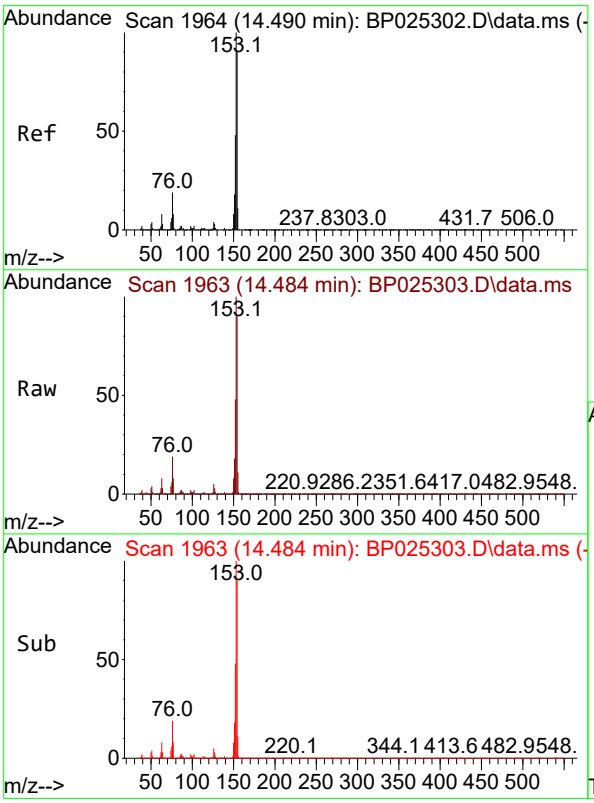
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

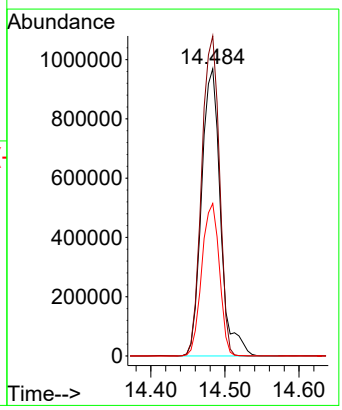


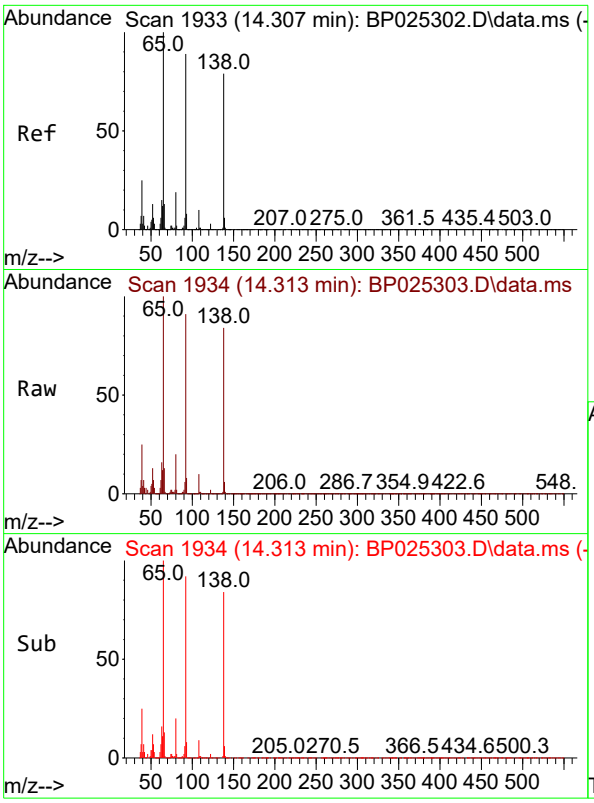


#52
Acenaphthene
Concen: 52.489 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 1716317

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.4	134.0
152	53.1	43.0	64.6

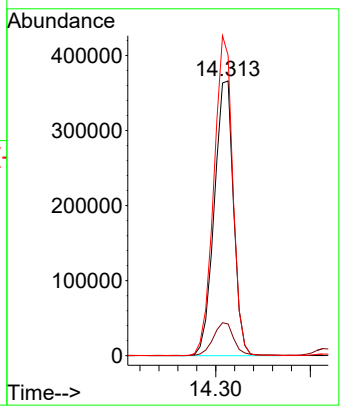




#53
3-Nitroaniline
Concen: 57.487 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:138 Resp: 51702

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.5	15.7
92	109.3	90.9	136.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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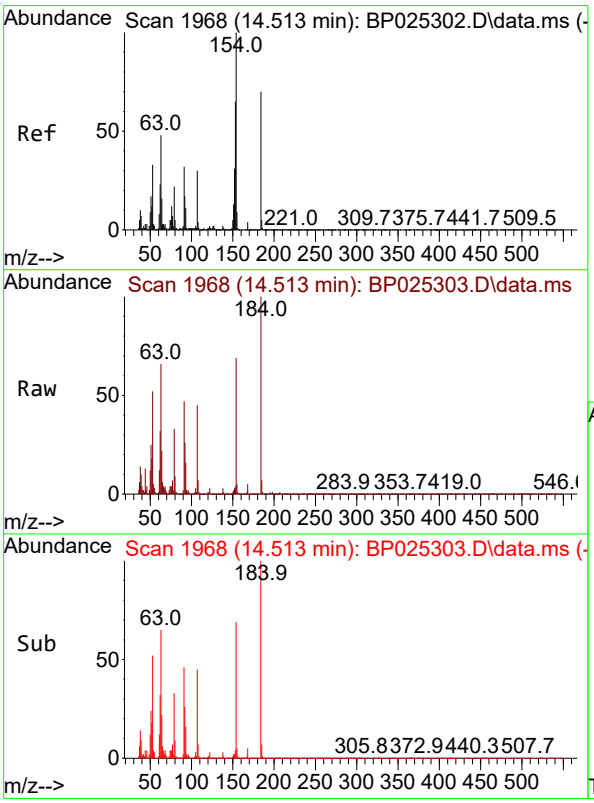
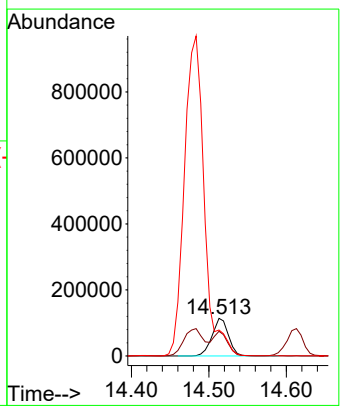
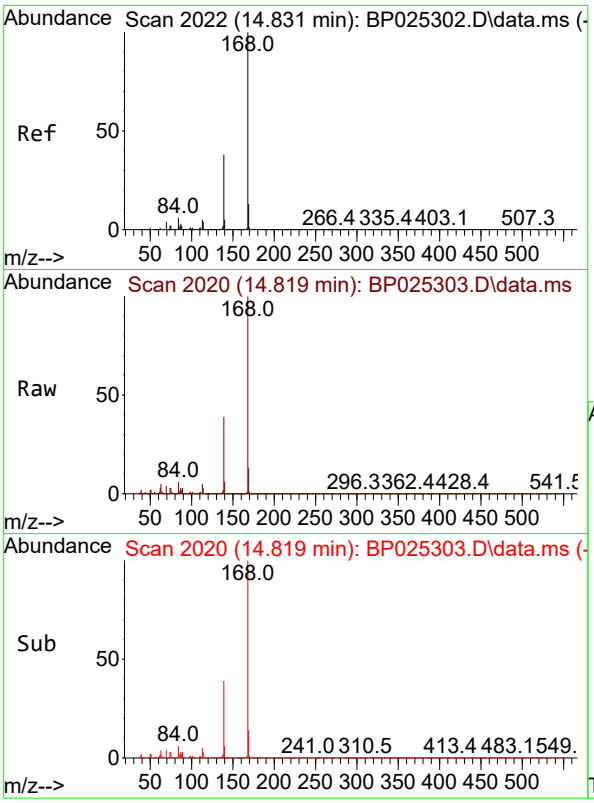


#54
2,4-Dinitrophenol
Concen: 50.836 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:184 Resp: 167500

Ion	Ratio	Lower	Upper
184	100		
63	65.6	56.3	84.5
154	69.0	124.5	186.7#

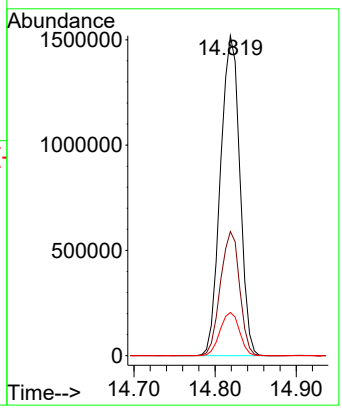




#55
Dibenzofuran
Concen: 51.534 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:168 Resp: 251818

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.5	45.7
169	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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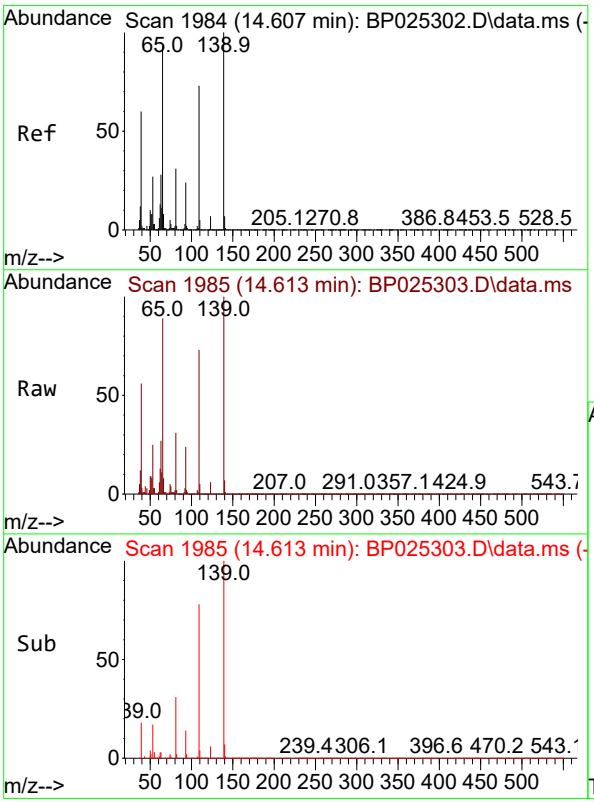
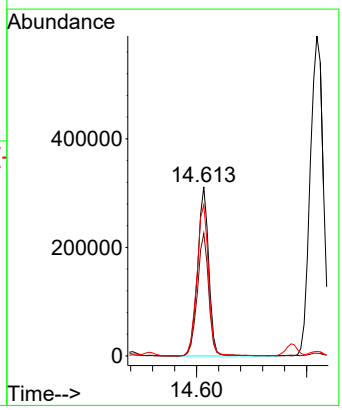
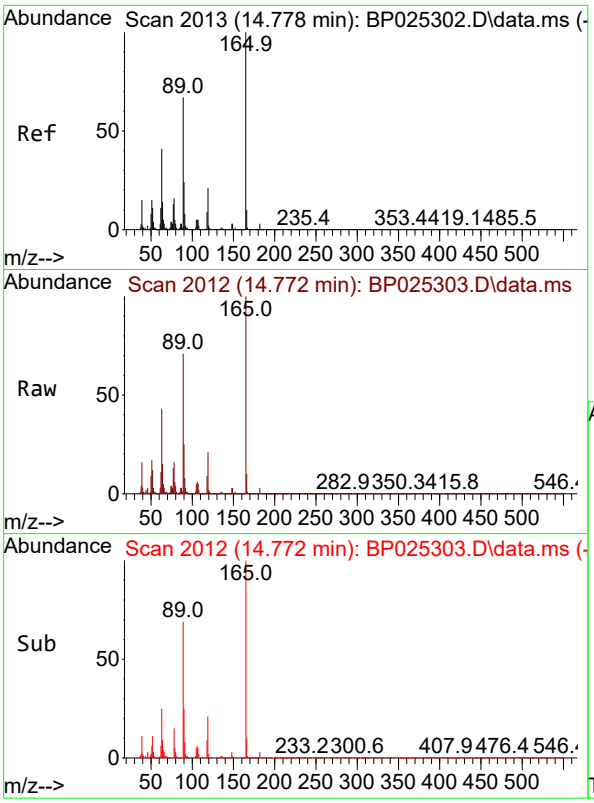


#56
4-Nitrophenol
Concen: 55.392 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 439677

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.7	92.7
65	89.4	73.4	113.4

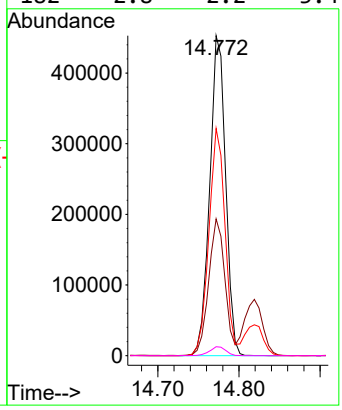




#57
2,4-Dinitrotoluene
Concen: 51.438 ng
RT: 14.772 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:165 Resp: 61585

Ion	Ratio	Lower	Upper
165	100		
63	42.8	33.2	49.8
89	71.0	53.5	80.3
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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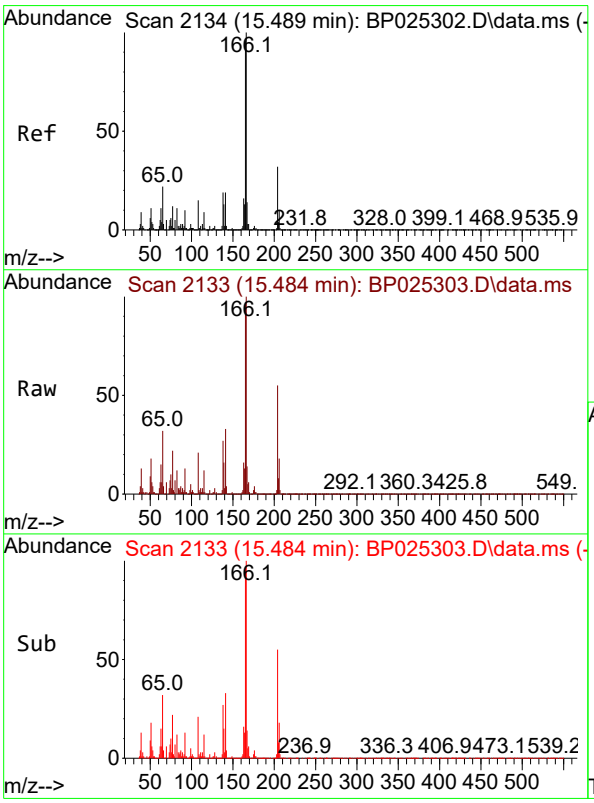
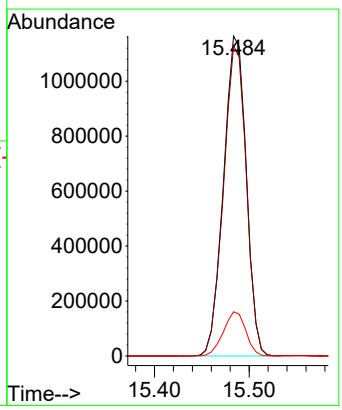
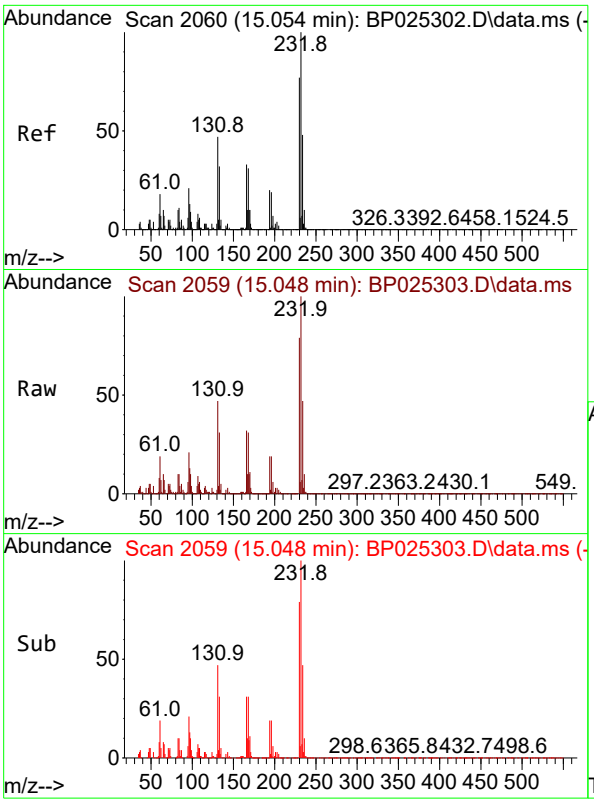


#58
Fluorene
Concen: 50.628 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:166 Resp: 1943035

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.7	115.1
167	13.8	10.9	16.3

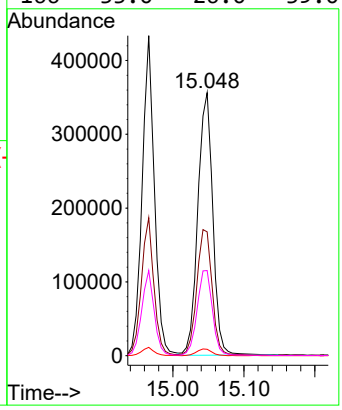




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.019 ng
RT: 15.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:232 Resp: 52282

Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.3	58.9
130	2.7	2.2	3.2
166	33.0	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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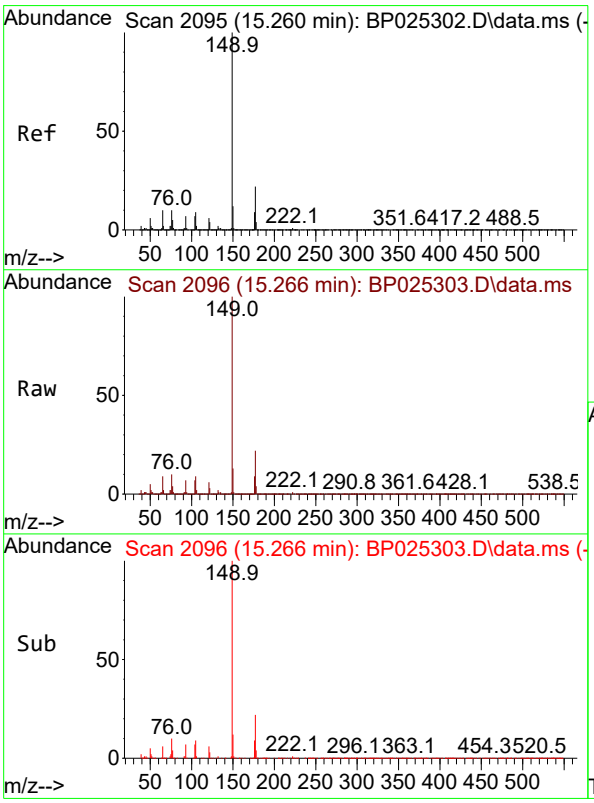
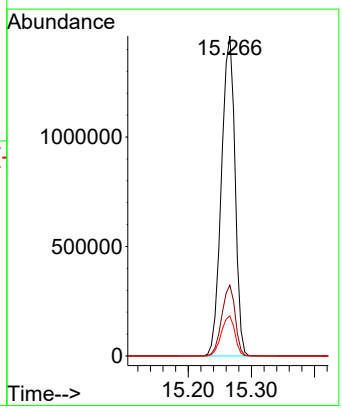
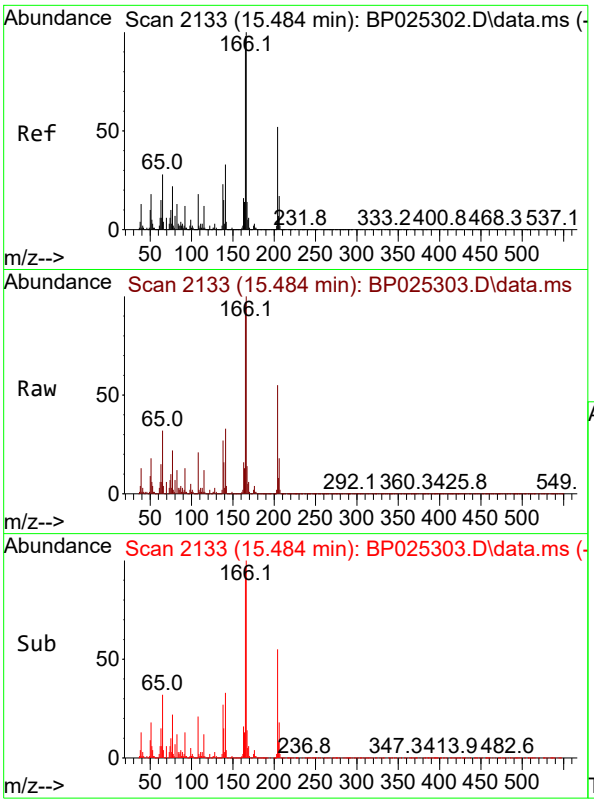


#60
Diethylphthalate
Concen: 51.987 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2184026

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.5	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 50.462 ng
RT: 15.484 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 91812

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	60.1	50.3	75.5

Manual Integrations
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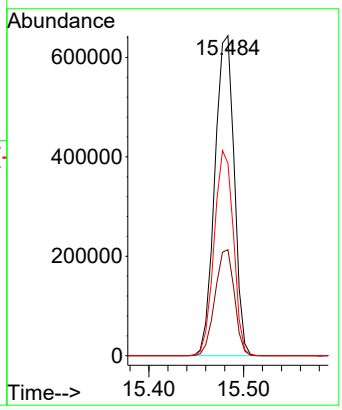
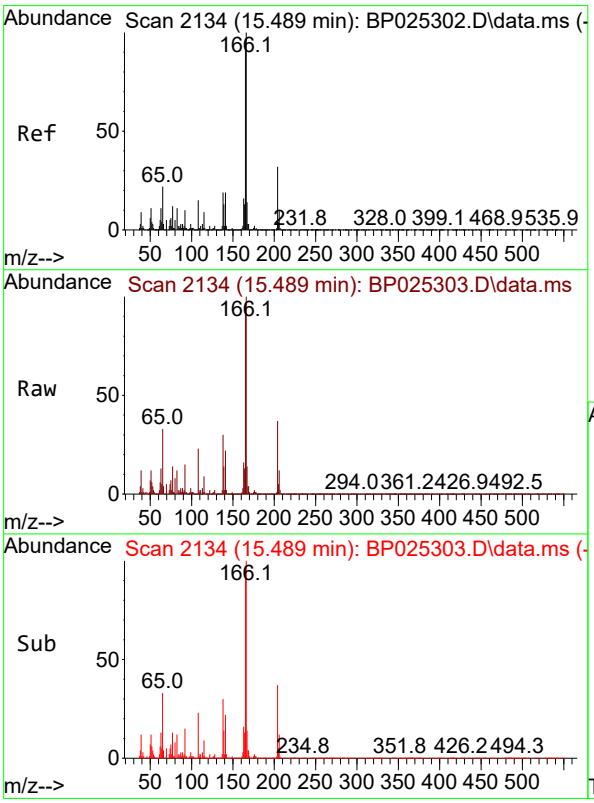
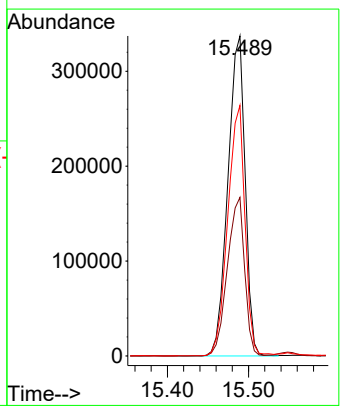


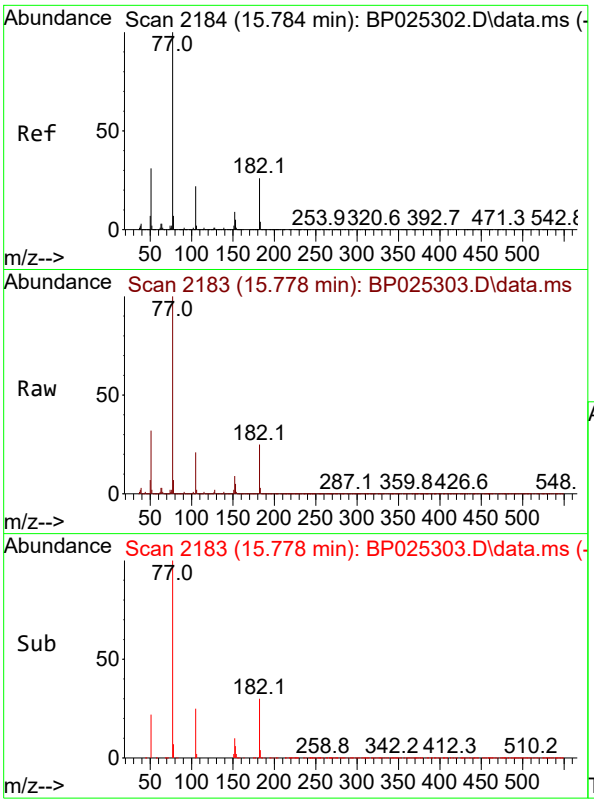


#62
4-Nitroaniline
Concen: 55.814 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:138 Resp: 497394

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.8	69.8
108	78.3	56.6	96.6

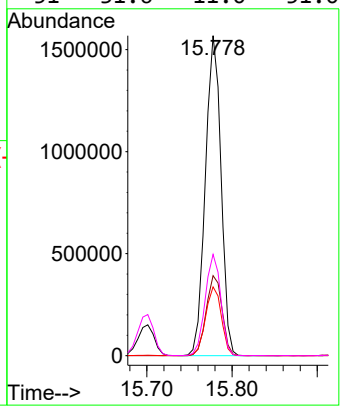




#63
Azobenzene
Concen: 51.248 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 200006

Ion	Ratio	Lower	Upper
77	100		
182	25.0	6.0	46.0
105	21.5	2.1	42.1
51	31.6	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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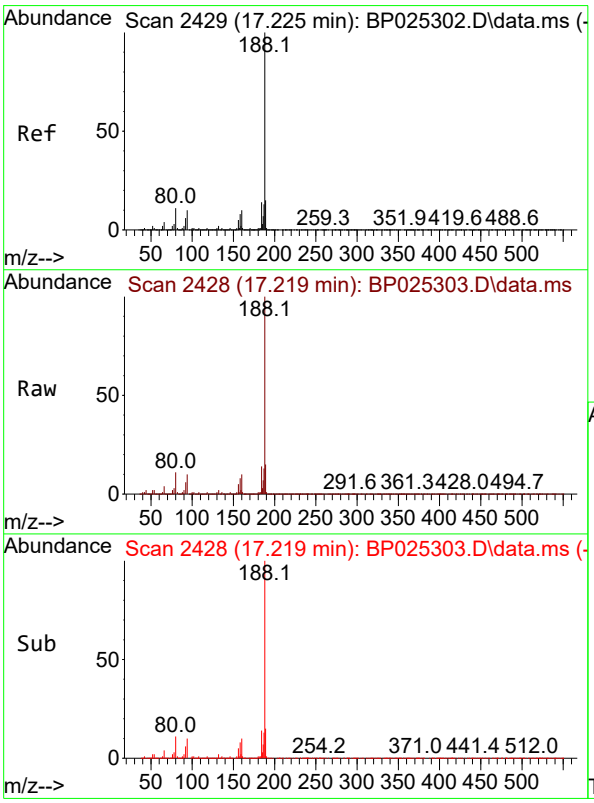
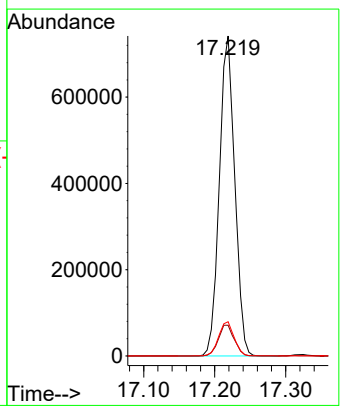
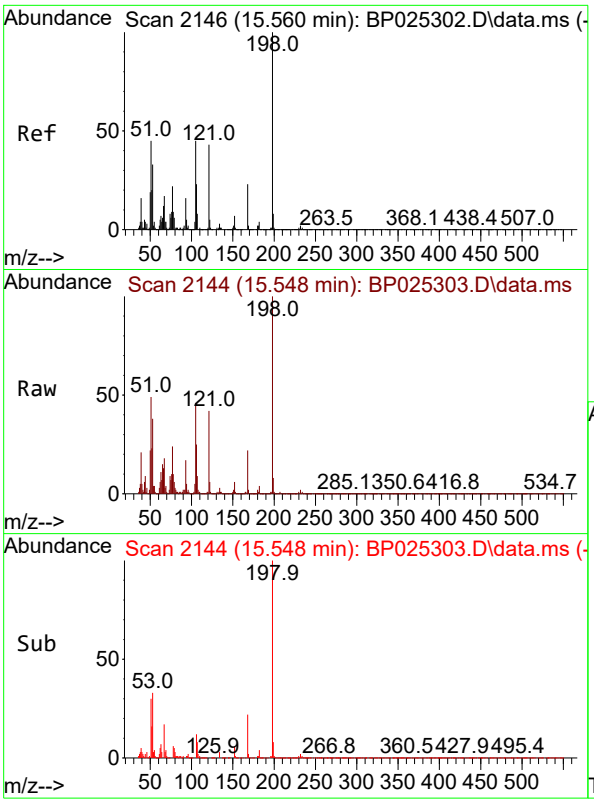


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:188 Resp: 1114369

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.7	8.5	12.7

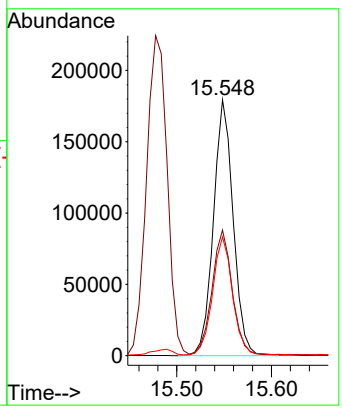




#65
4,6-Dinitro-2-methylphenol
Concen: 51.256 ng
RT: 15.548 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:198 Resp: 25958

Ion	Ratio	Lower	Upper
198	100		
51	49.1	26.7	66.7
105	46.4	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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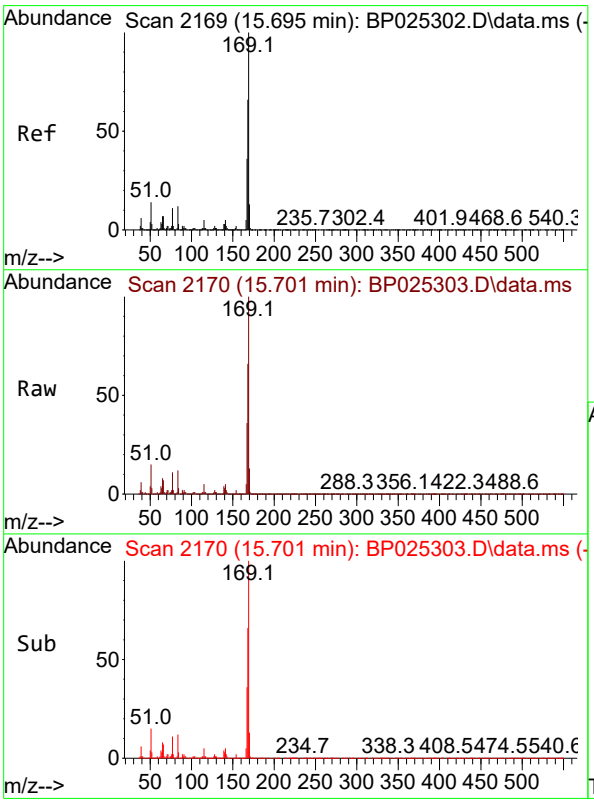
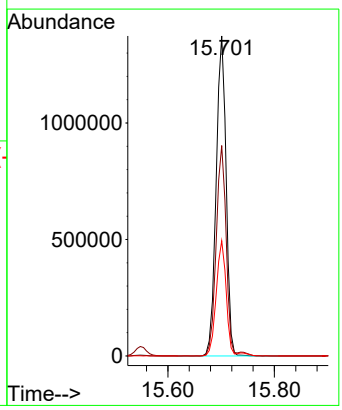
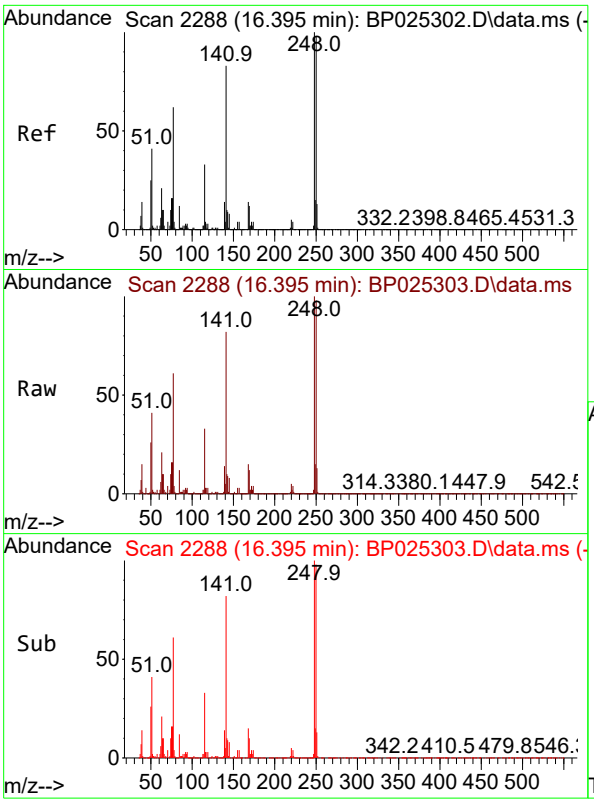


#66
n-Nitrosodiphenylamine
Concen: 52.344 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:169 Resp: 1776048

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.8	79.2
167	36.0	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 52.531 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 58900

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	81.9	66.6	99.8

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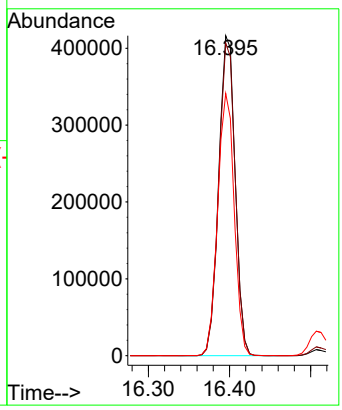
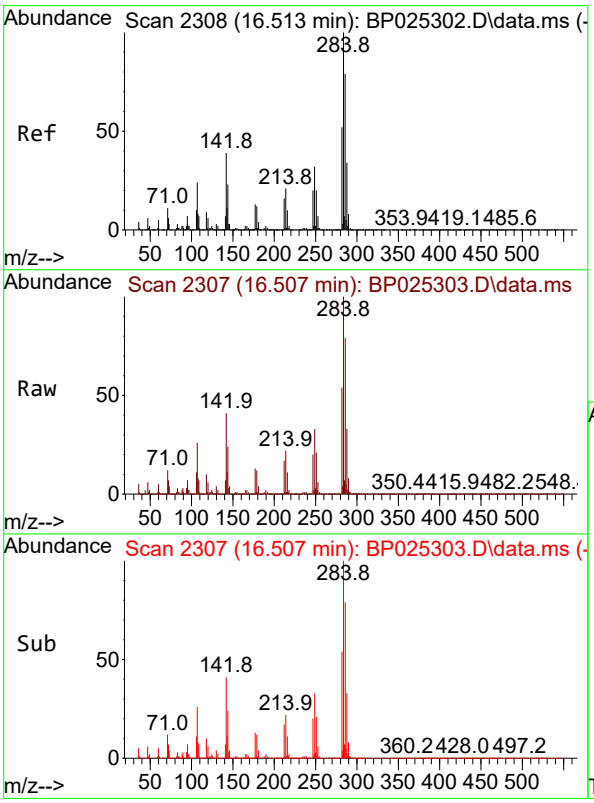
Supervised By :Jagrut Upadhyay 08/06/2025

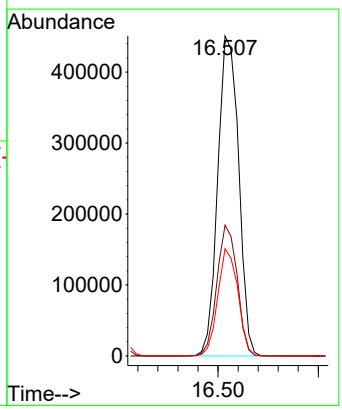


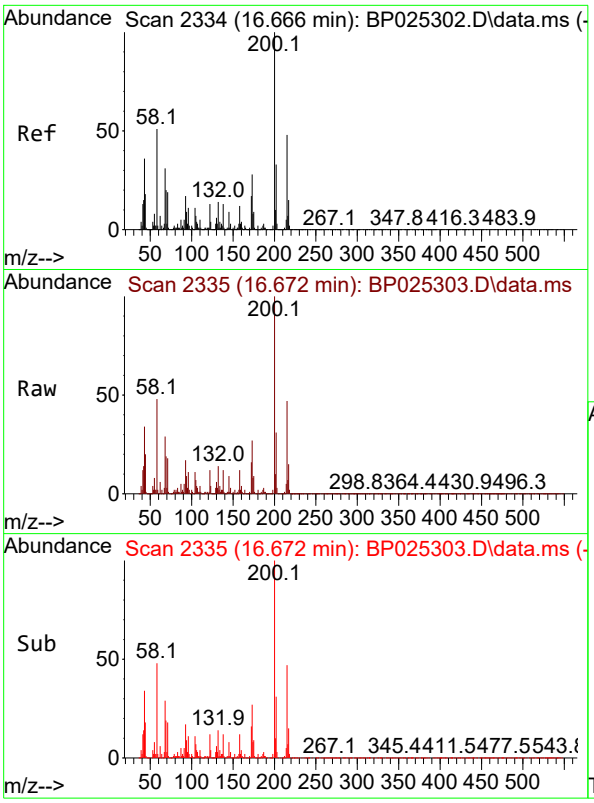


#68
Hexachlorobenzene
Concen: 51.698 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:284 Resp: 650421

Ion	Ratio	Lower	Upper
284	100		
142	40.8	30.8	46.2
249	33.5	25.4	38.0

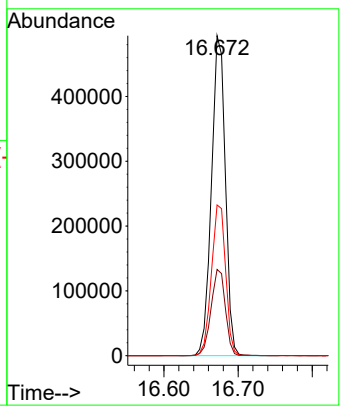




#69
Atrazine
Concen: 53.820 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:200 Resp: 64220

Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.2	48.2
215	47.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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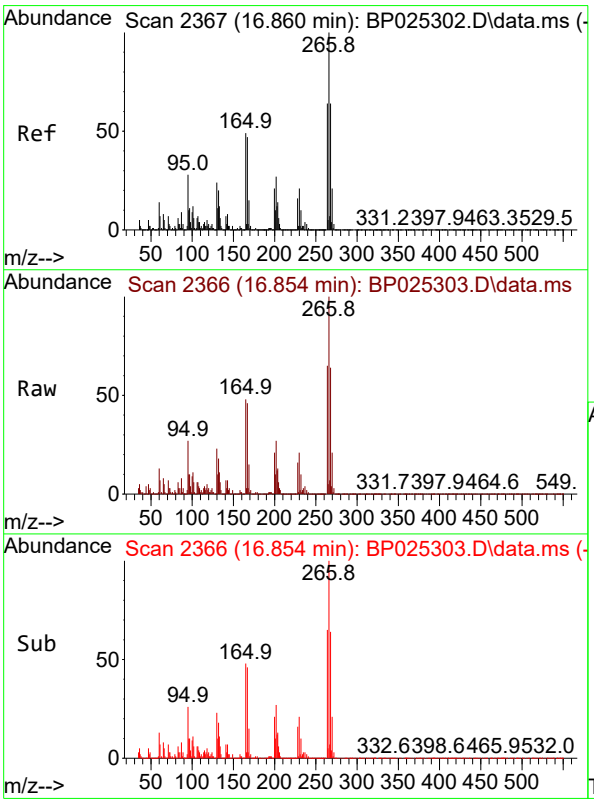
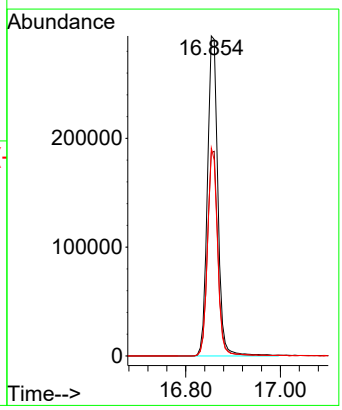
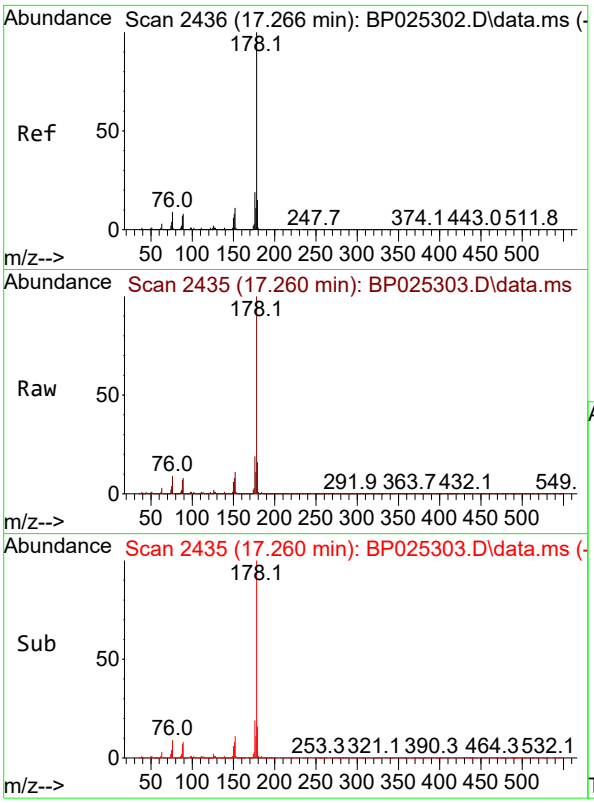


#70
Pentachlorophenol
Concen: 56.013 ng
RT: 16.854 min Scan# 2366
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:266 Resp: 448973

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.0
264	65.0	51.1	76.7

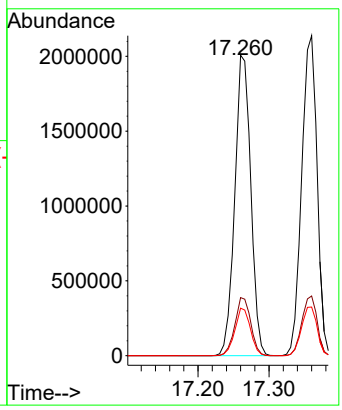




#71
Phenanthrene
Concen: 51.650 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:178 Resp: 315248

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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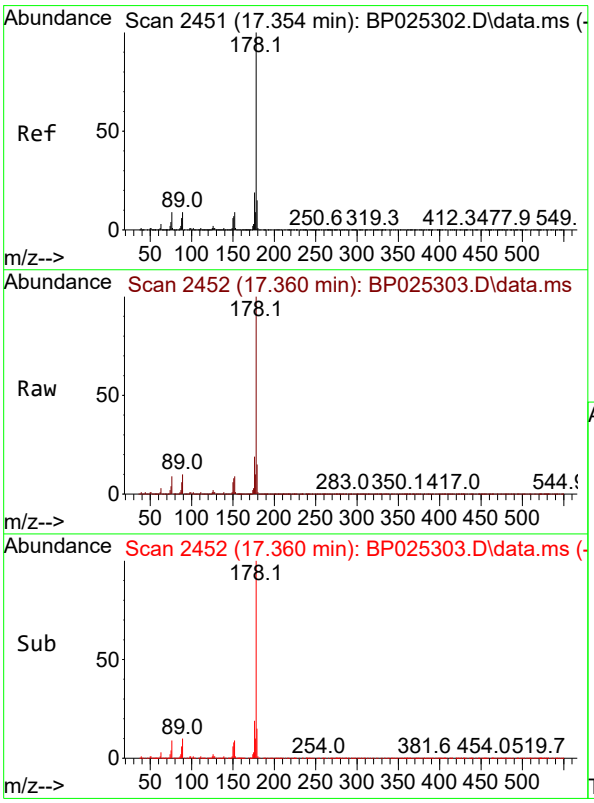
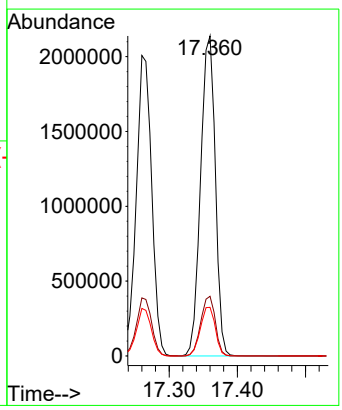
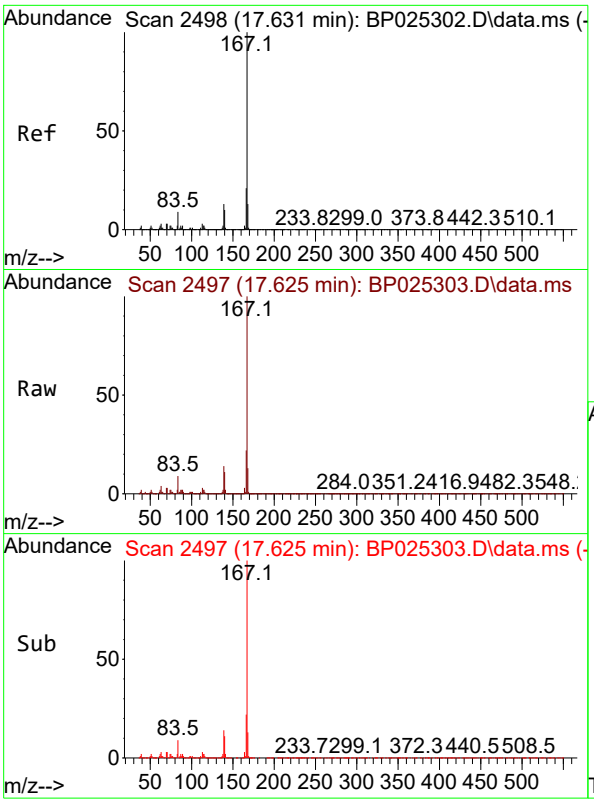


#72
Anthracene
Concen: 52.124 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:178 Resp: 3207824

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.2	12.3	18.5

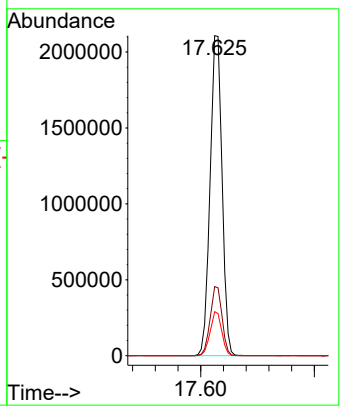




#73
Carbazole
Concen: 51.900 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:167 Resp: 306601

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.8	10.6	16.0



Instrument :
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ClientSampleId :
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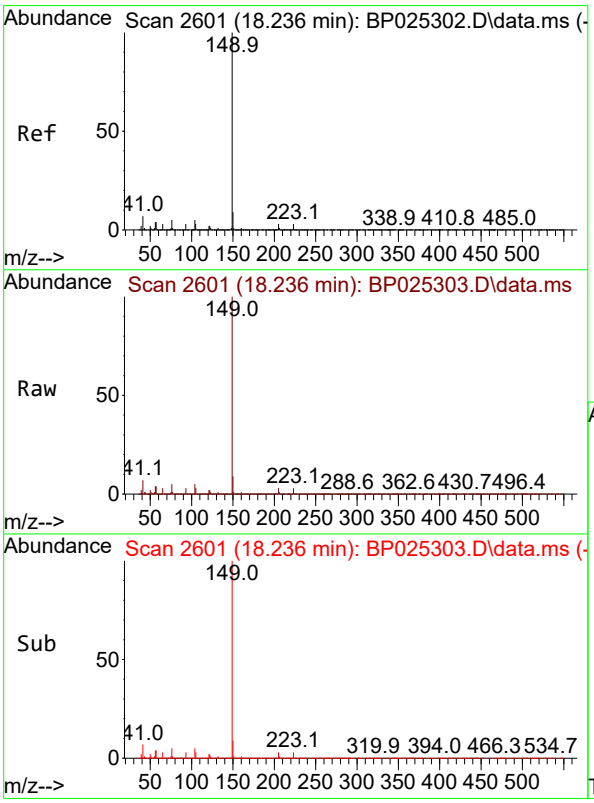
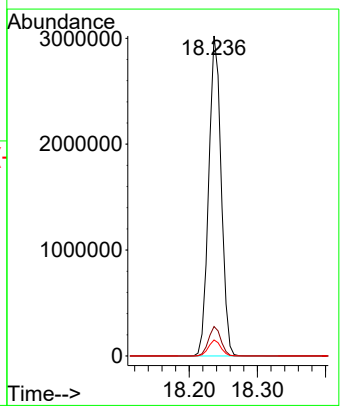
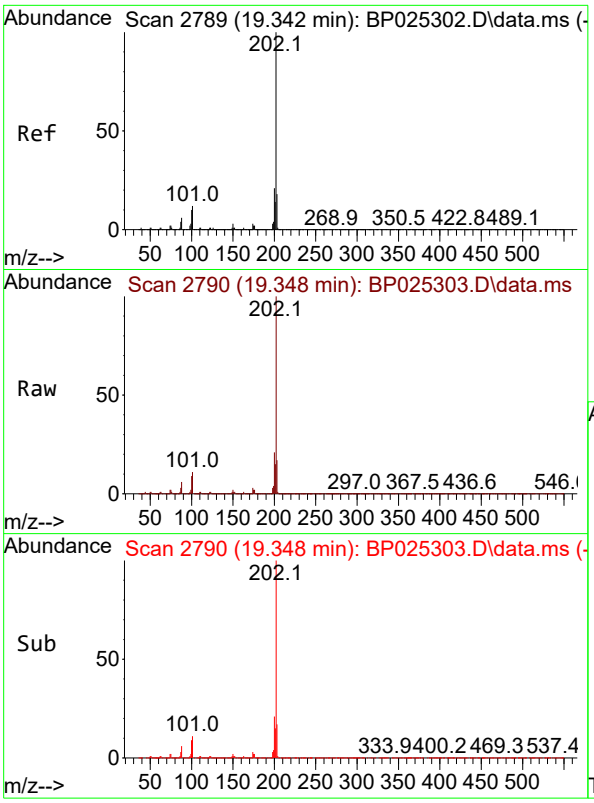


#74
Di-n-butylphthalate
Concen: 53.637 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 3833325

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.0	4.1	6.1

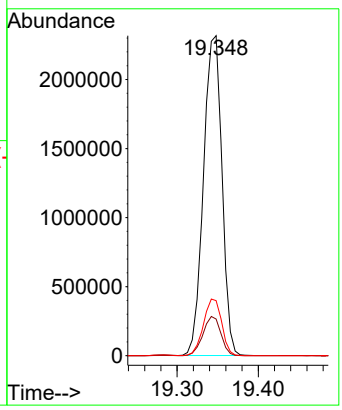




#75
Fluoranthene
Concen: 51.795 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:202 Resp: 365966

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.2	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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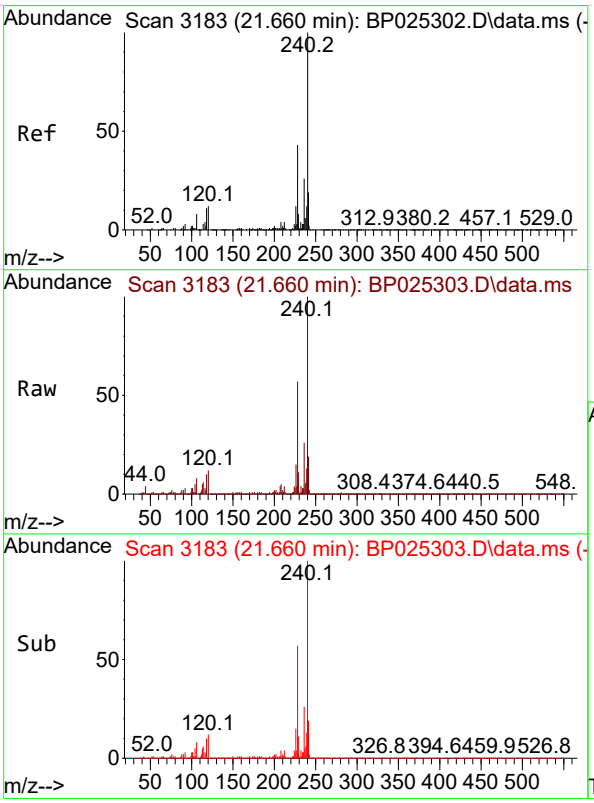
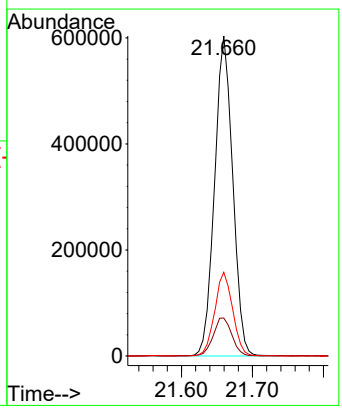
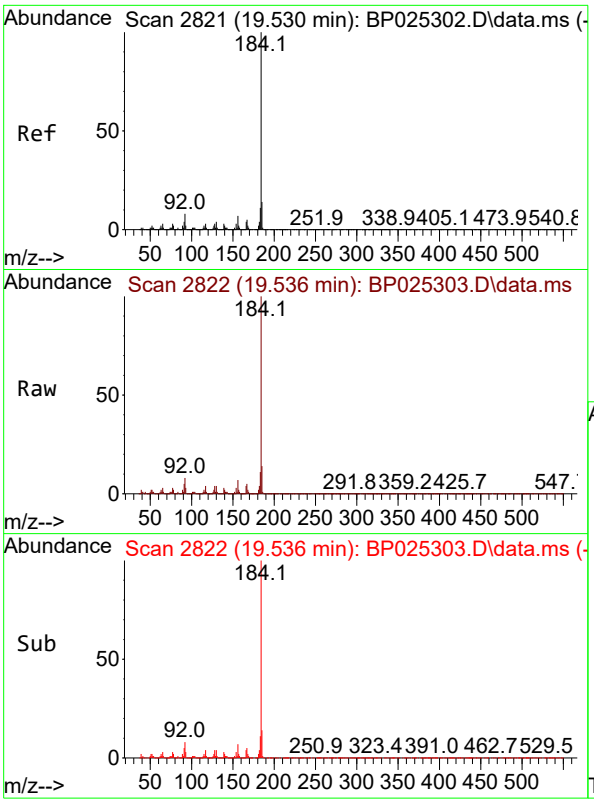


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:240 Resp: 1066090

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.2	20.4	30.6

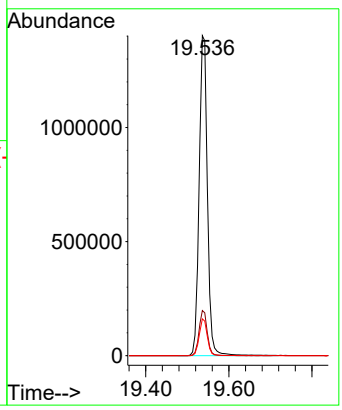




#77
Benzidine
Concen: 50.156 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:184 Resp: 193536

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.5	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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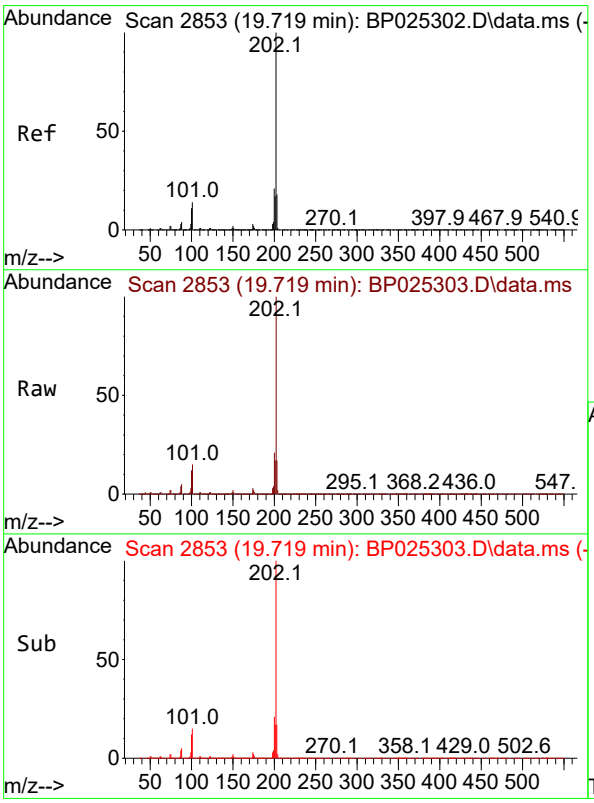
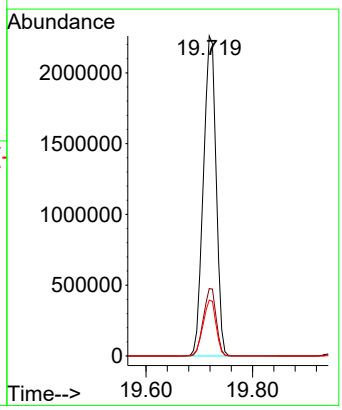
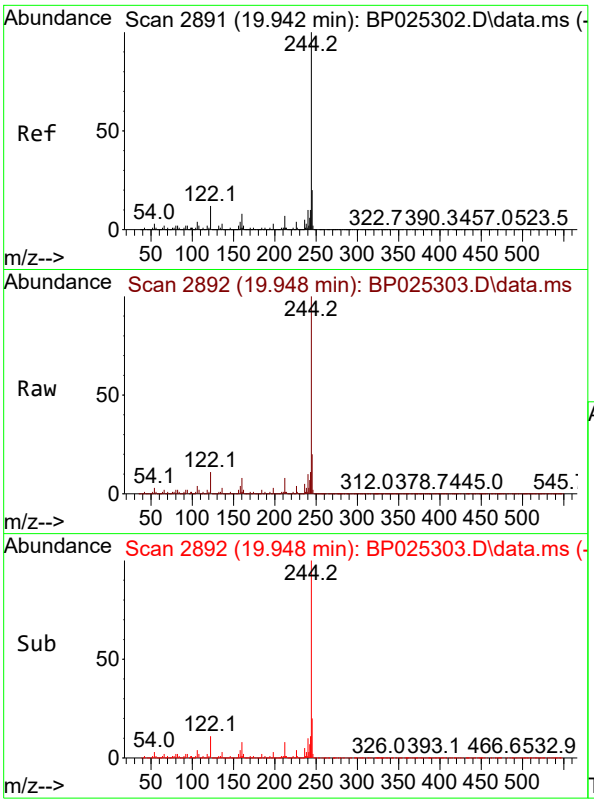


#78
Pyrene
Concen: 52.875 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:202 Resp: 3748452

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.5	14.1	21.1

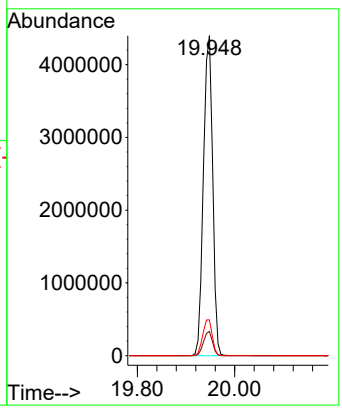




#79
Terphenyl-d14
Concen: 102.169 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:244 Resp: 576555

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.2	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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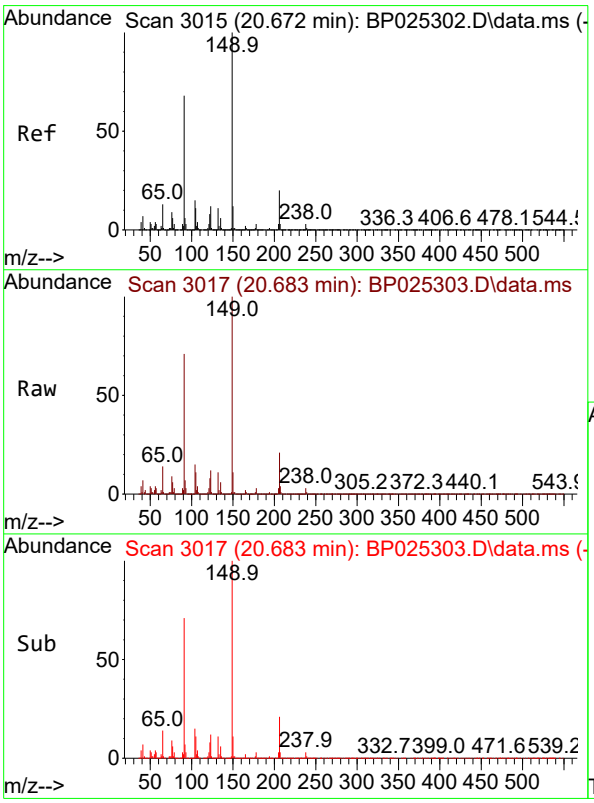
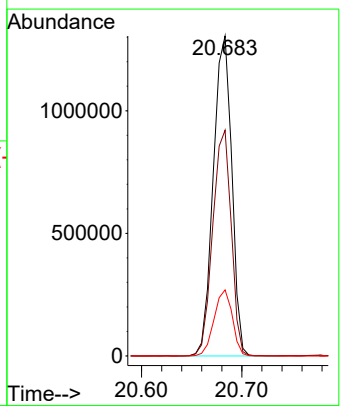
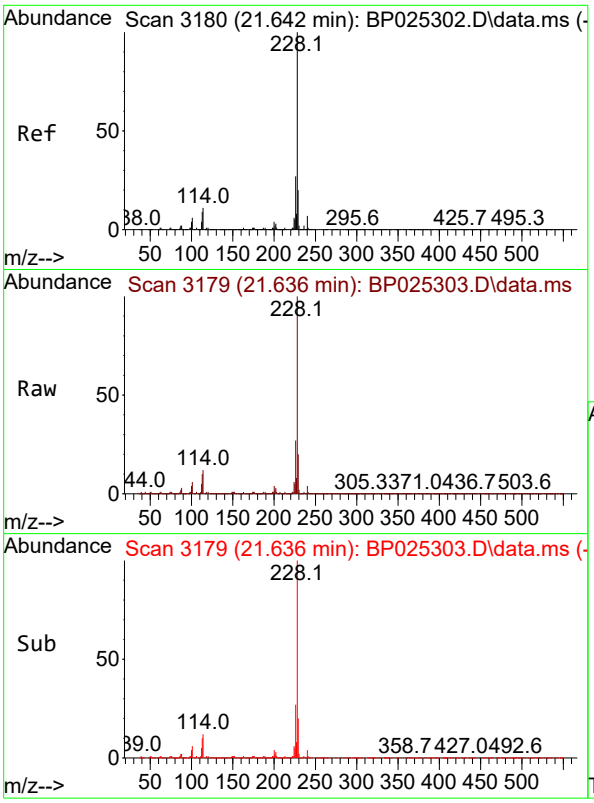


#80
Butylbenzylphthalate
Concen: 58.102 ng
RT: 20.683 min Scan# 3017
Delta R.T. 0.011 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 1670521

Ion	Ratio	Lower	Upper
149	100		
91	70.5	54.7	82.1
206	20.7	16.4	24.6

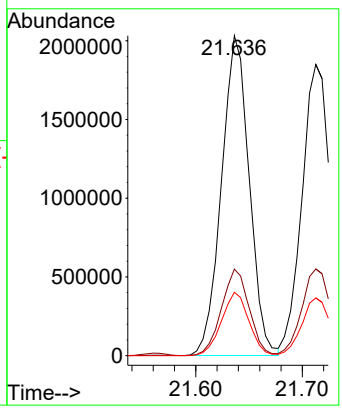




#81
Benzo(a)anthracene
Concen: 51.986 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:228 Resp: 368290

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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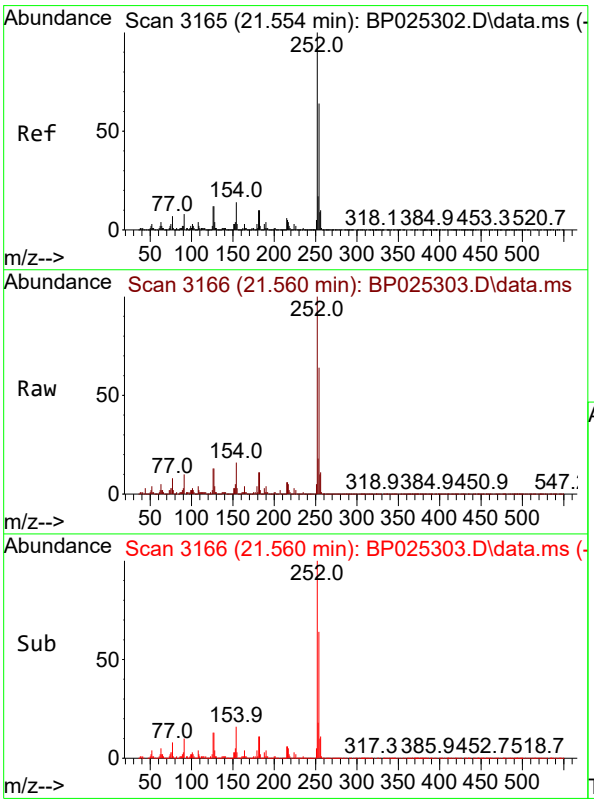
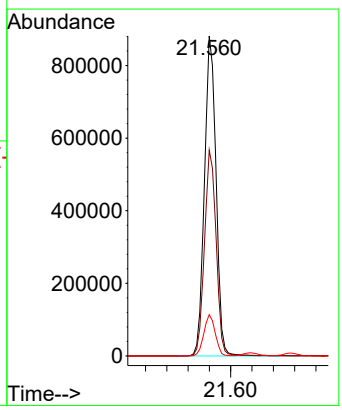
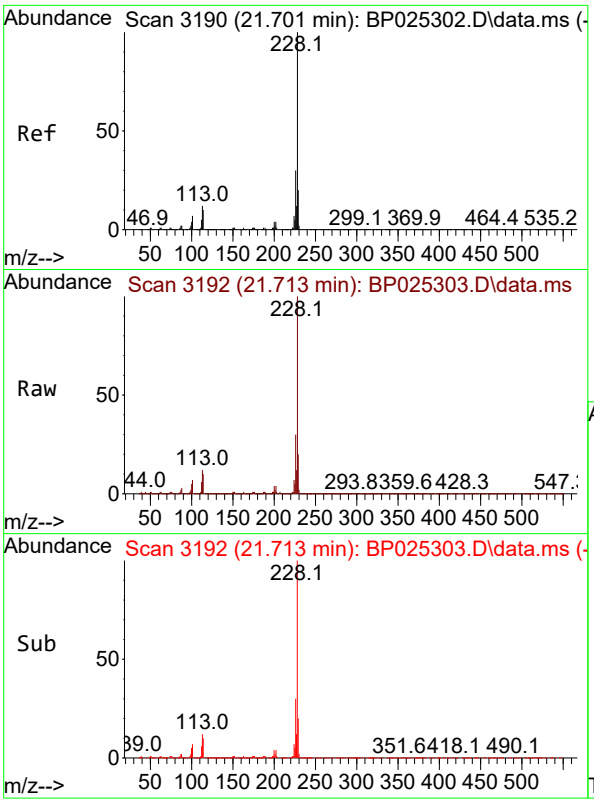


#82
3,3'-Dichlorobenzidine
Concen: 53.376 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 1334151

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.6
126	12.9	9.4	14.2

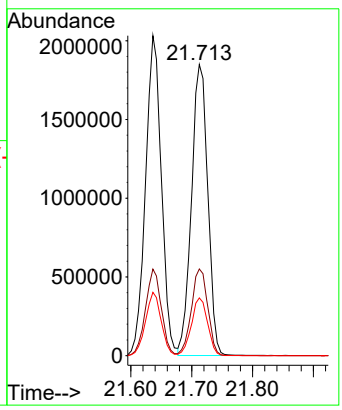




#83
Chrysene
Concen: 52.286 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:228 Resp: 343564

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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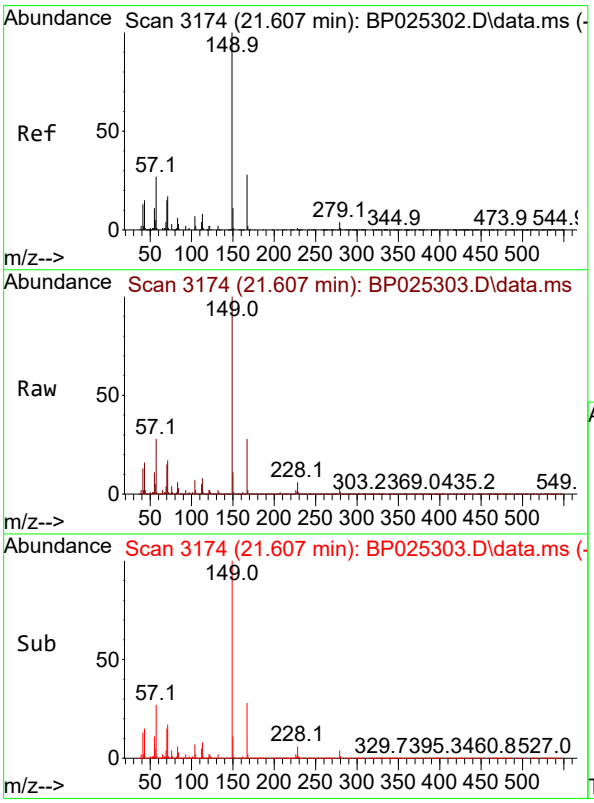
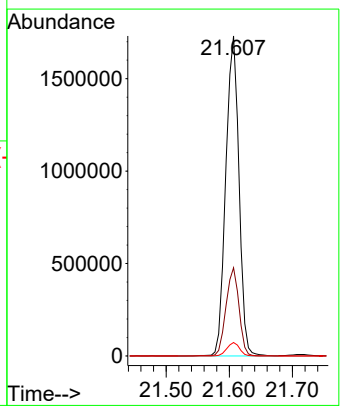
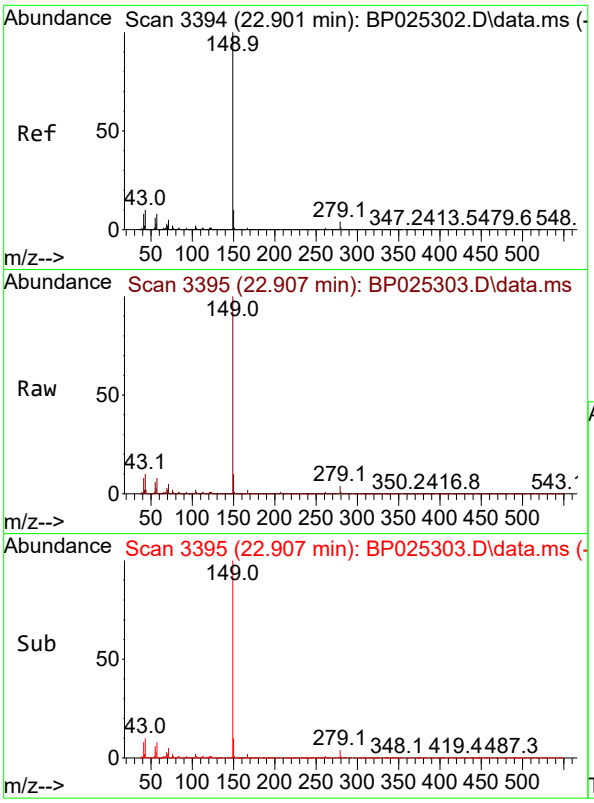


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.510 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2502532

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.2	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 53.530 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 411350

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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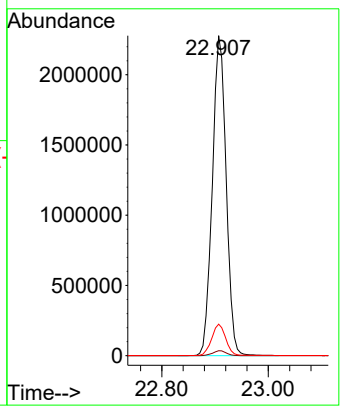
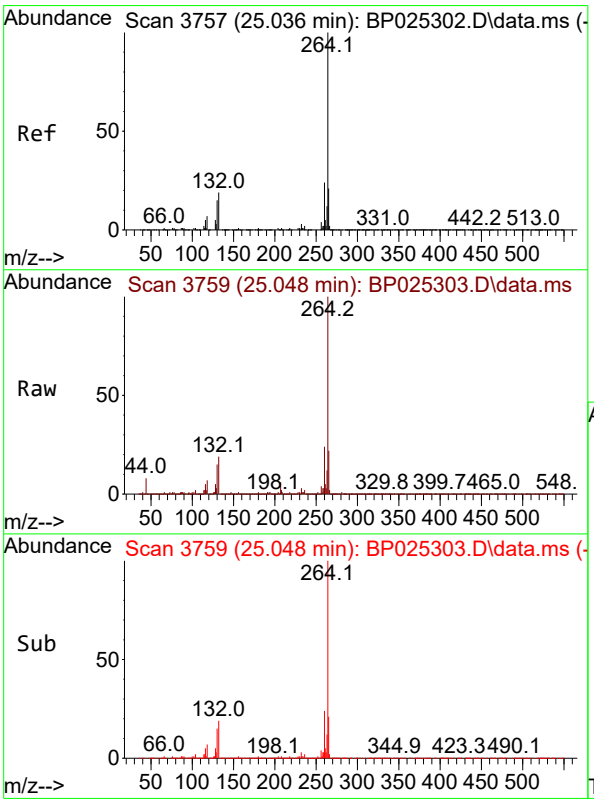
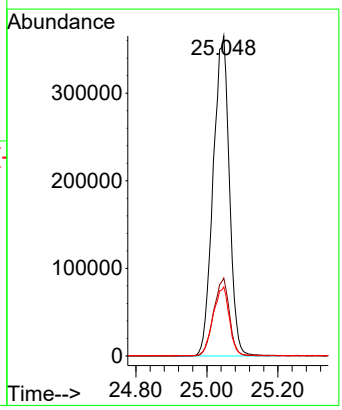


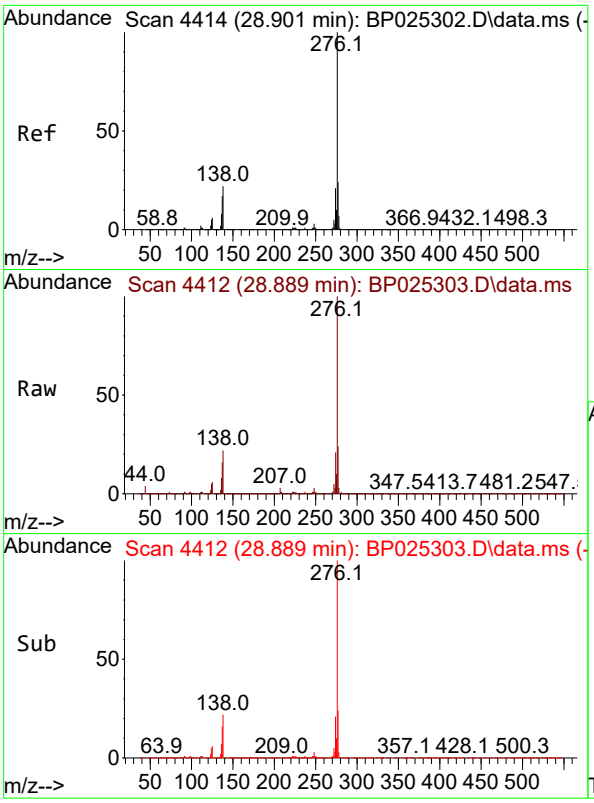


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:264 Resp: 1155535

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.1	25.7

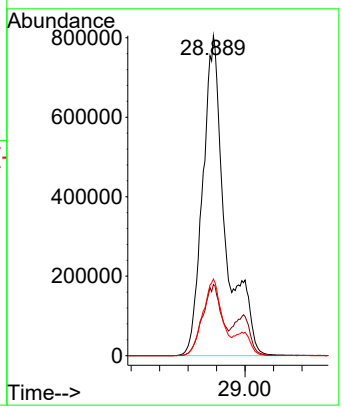




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.847 ng m
RT: 28.889 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:276 Resp: 446650

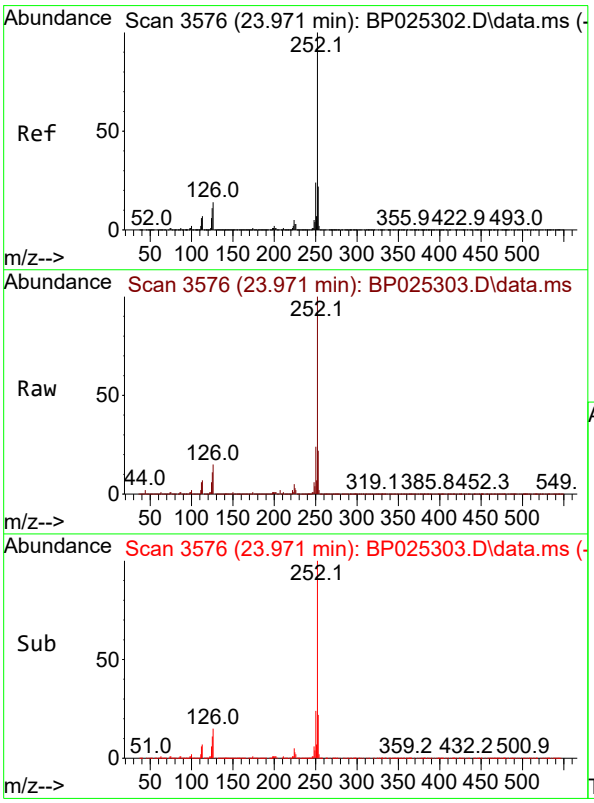
Ion	Ratio	Lower	Upper
276	100		
138	18.7	14.6	22.0
277	20.2	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

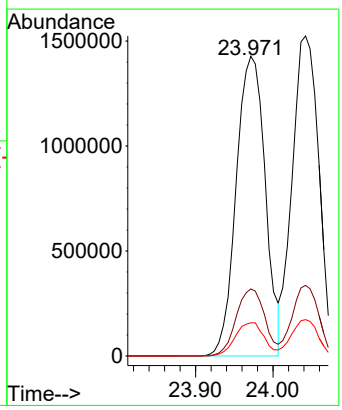
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

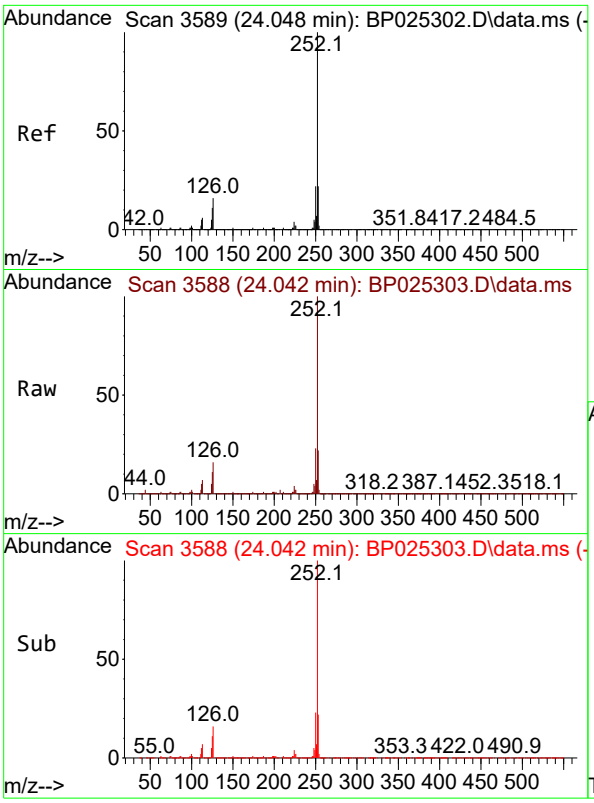


#88
Benzo(b)fluoranthene
Concen: 53.862 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3725745

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.0	8.5	12.7

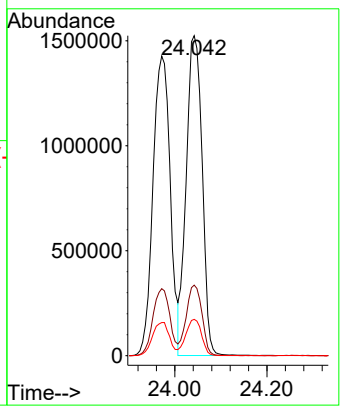




#89
Benzo(k)fluoranthene
Concen: 53.234 ng
RT: 24.042 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 365034

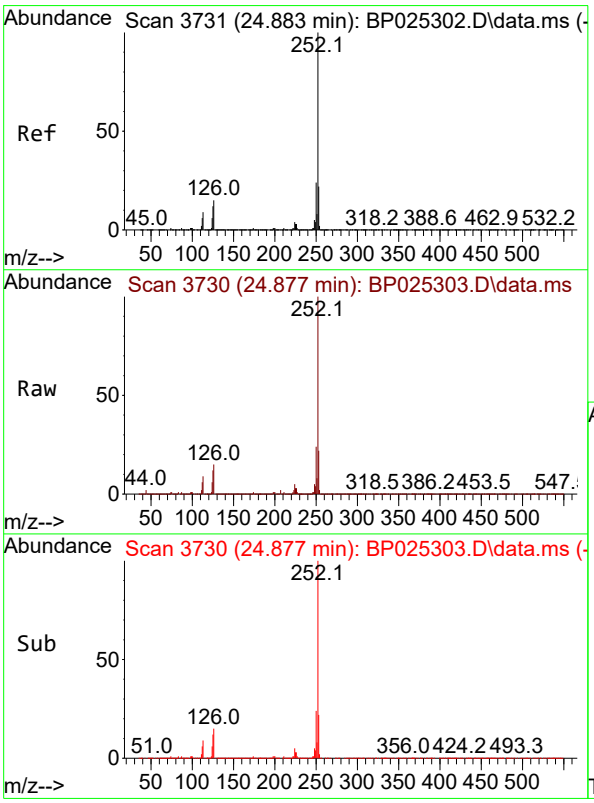
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

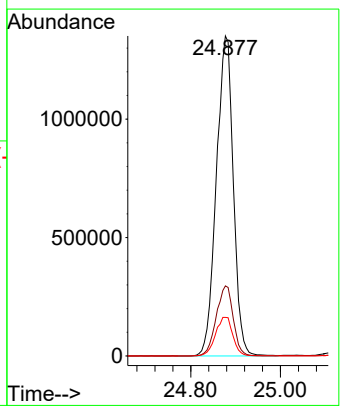
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

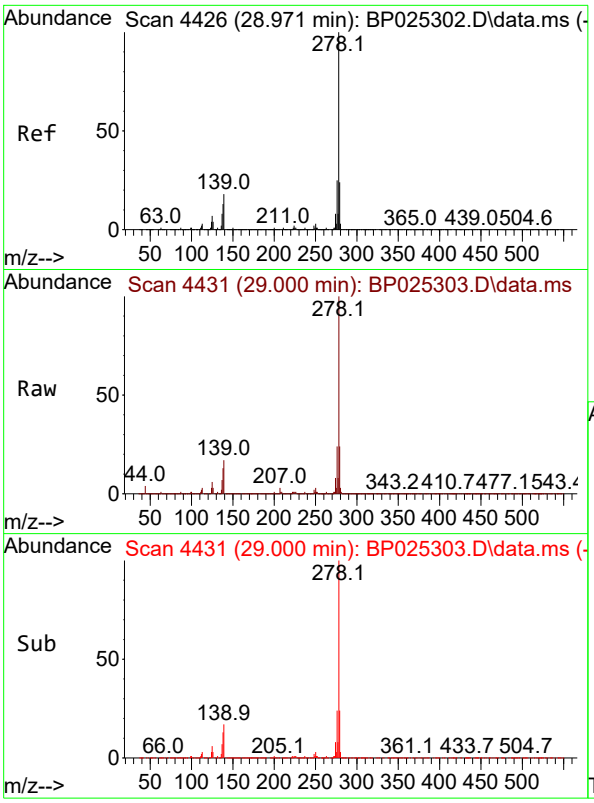


#90
Benzo(a)pyrene
Concen: 53.283 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3549437

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.1	9.4	14.0

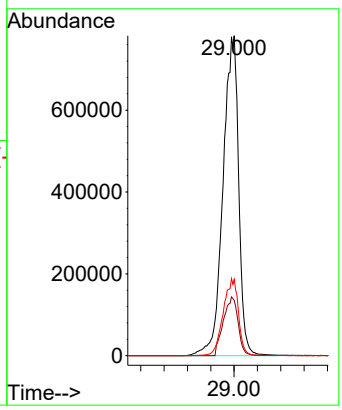




#91
Dibenzo(a,h)anthracene
Concen: 53.715 ng
RT: 29.000 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:278 Resp: 364360

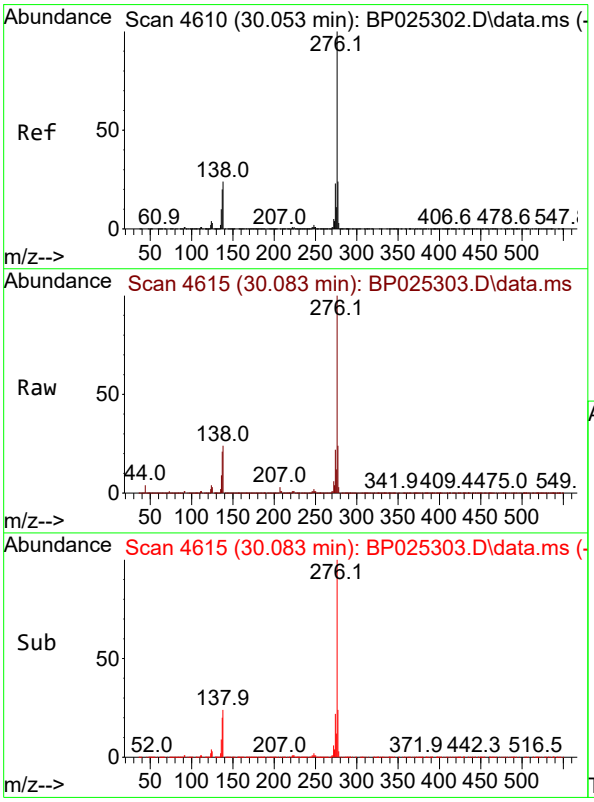
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.6	22.0
279	23.9	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

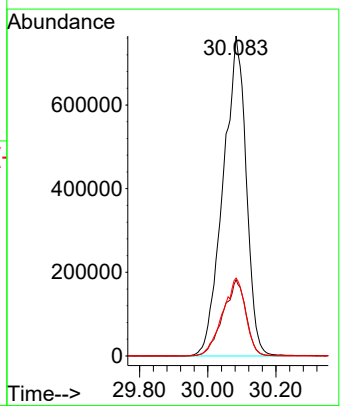
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 53.917 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:276 Resp: 3590382

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.3	28.9
138	24.3	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	209548	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	959140	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	627525	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1230027	20.000	ng		-0.02
76) Chrysene-d12	21.654	240	1185485	20.000	ng		0.00
86) Perylene-d12	25.030	264	1319773	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1618188	123.401	ng		0.00
7) Phenol-d6	6.966	99	2192788	126.763	ng		0.00
23) Nitrobenzene-d5	8.943	82	2266518	127.855	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	848230	130.917	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	5227983	115.685	ng		0.00
79) Terphenyl-d14	19.942	244	7232677	115.259	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	303060	58.945	ng		99
3) Pyridine	3.725	79	878078	61.471	ng		99
4) n-Nitrosodimethylamine	3.637	42	412444	62.193	ng		100
6) Aniline	7.137	93	1510421	64.169	ng		99
8) 2-Chlorophenol	7.372	128	919471	64.474	ng		99
9) Benzaldehyde	6.949	77	688637	56.545	ng		99
10) Phenol	6.996	94	1168723	63.704	ng		100
11) bis(2-Chloroethyl)ether	7.231	93	905011	62.958	ng		99
12) 1,3-Dichlorobenzene	7.696	146	978449	61.060	ng		99
13) 1,4-Dichlorobenzene	7.837	146	992921	61.246	ng		100
14) 1,2-Dichlorobenzene	8.149	146	967096	61.580	ng		99
15) Benzyl Alcohol	8.031	79	868233	65.324	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	1419539	62.512	ng		99
17) 2-Methylphenol	8.225	107	794670	64.734	ng		98
18) Hexachloroethane	8.878	117	362858	62.586	ng		99
19) n-Nitroso-di-n-propyla...	8.602	70	736360	65.363	ng		100
20) 3+4-Methylphenols	8.555	107	1102764	65.236	ng		98
22) Acetophenone	8.608	105	1441680	59.875	ng	#	98
24) Nitrobenzene	8.984	77	1032520	63.003	ng		100
25) Isophorone	9.508	82	2175760	63.135	ng		99
26) 2-Nitrophenol	9.684	139	449368	61.813	ng		99
27) 2,4-Dimethylphenol	9.743	122	964929	60.732	ng		97
28) bis(2-Chloroethoxy)met...	9.984	93	1295232	61.783	ng		99
29) 2,4-Dichlorophenol	10.213	162	905554	65.101	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	924791	60.262	ng		98
31) Naphthalene	10.625	128	3016986	60.593	ng		99
32) Benzoic acid	9.884	122	625232	61.911	ng		99
33) 4-Chloroaniline	10.719	127	1385599	62.570	ng		99
34) Hexachlorobutadiene	10.919	225	531051	60.284	ng		99
35) Caprolactam	11.490	113	356548	65.928	ng		97
36) 4-Chloro-3-methylphenol	11.837	107	1045051	64.929	ng		99
37) 2-Methylnaphthalene	12.231	142	1979064	61.409	ng		100
38) 1-Methylnaphthalene	12.449	142	2032006	60.428	ng		99
40) 1,2,4,5-Tetrachloroben...	12.596	216	1020686	59.576	ng		99
41) Hexachlorocyclopentadiene	12.584	237	668954	63.265	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	726236	65.619	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.901	196	823738	66.349	ng		99
46)	1,1'-Biphenyl	13.243	154	2736817	59.180	ng		100
47)	2-Chloronaphthalene	13.284	162	2116700	59.994	ng		99
48)	2-Nitroaniline	13.472	65	642446	61.286	ng		97
49)	Acenaphthylene	14.131	152	3558282	60.462	ng		99
50)	Dimethylphthalate	13.866	163	2775097	60.663	ng		100
51)	2,6-Dinitrotoluene	13.972	165	581905	68.963	ng		99
52)	Acenaphthene	14.478	154	2158962	60.143	ng		100
53)	3-Nitroaniline	14.301	138	677122	68.579	ng		100
54)	2,4-Dinitrophenol	14.507	184	242217	60.748	ng	#	53
55)	Dibenzofuran	14.813	168	3200254	59.657	ng		99
56)	4-Nitrophenol	14.601	139	579797	66.536	ng		98
57)	2,4-Dinitrotoluene	14.766	165	813557	61.234	ng		95
58)	Fluorene	15.472	166	2418012	57.390	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.043	232	689750	66.118	ng		99
60)	Diethylphthalate	15.254	149	2839454	61.567	ng		100
61)	4-Chlorophenyl-phenyle...	15.472	204	1156422	57.895	ng		99
62)	4-Nitroaniline	15.484	138	647932	66.228	ng		97
63)	Azobenzene	15.772	77	2589928	60.449	ng		100
65)	4,6-Dinitro-2-methylph...	15.542	198	375536	62.146	ng		98
66)	n-Nitrosodiphenylamine	15.690	169	2301050	61.440	ng		99
67)	4-Bromophenyl-phenylether	16.389	248	768935	62.130	ng		97
68)	Hexachlorobenzene	16.495	284	851862	61.343	ng		99
69)	Atrazine	16.660	200	844409	64.112	ng		99
70)	Pentachlorophenol	16.842	266	589352	66.613	ng		99
71)	Phenanthrene	17.248	178	4047515	60.079	ng		99
72)	Anthracene	17.348	178	4216676	62.075	ng		100
73)	Carbazole	17.613	167	3935735	60.358	ng		100
74)	Di-n-butylphthalate	18.231	149	5052062	64.043	ng		99
75)	Fluoranthene	19.336	202	4678502	59.989	ng		99
77)	Benzidine	19.525	184	2283507	53.219	ng		100
78)	Pyrene	19.707	202	4794722	60.822	ng		100
80)	Butylbenzylphthalate	20.677	149	2245879	70.246	ng		98
81)	Benzo(a)anthracene	21.630	228	4797252	60.895	ng		100
82)	3,3'-Dichlorobenzidine	21.554	252	1711974	61.593	ng		98
83)	Chrysene	21.707	228	4446807	60.859	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.595	149	3432511	67.236	ng		100
85)	Di-n-octyl phthalate	22.901	149	5809639	67.988	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.895	276	5916006	62.446	ng		97
88)	Benzo(b)fluoranthene	23.983	252	4819606	61.005	ng		99
89)	Benzo(k)fluoranthene	24.048	252	4789778	61.158	ng		100
90)	Benzo(a)pyrene	24.889	252	4712258	61.936	ng		99
91)	Dibenzo(a,h)anthracene	28.977	278	4826446	62.298	ng		99
92)	Benzo(g,h,i)perylene	30.089	276	4694995	61.731	ng		99

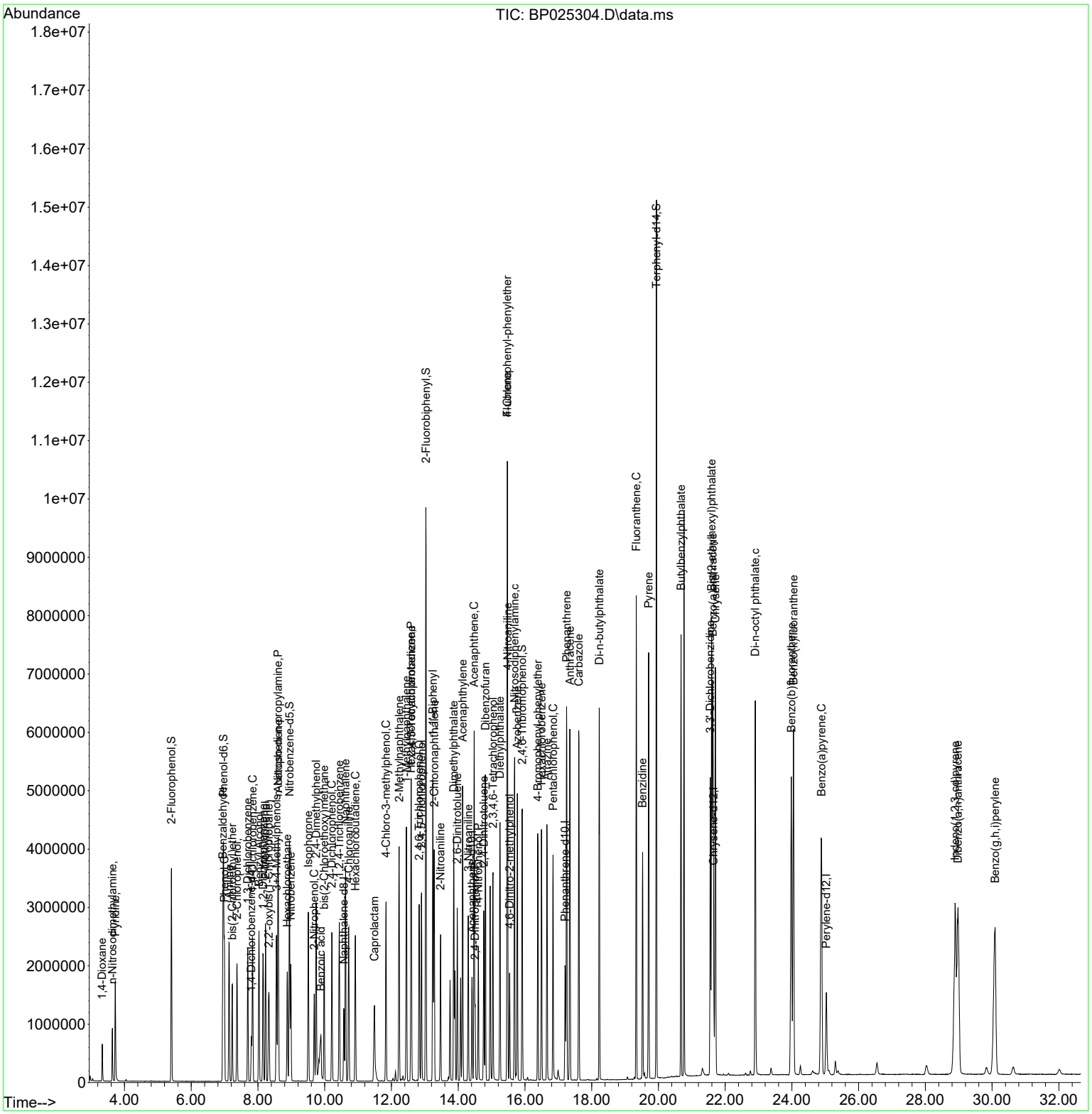
(#) = qualifier out of range (m) = manual integration (+) = signals summed

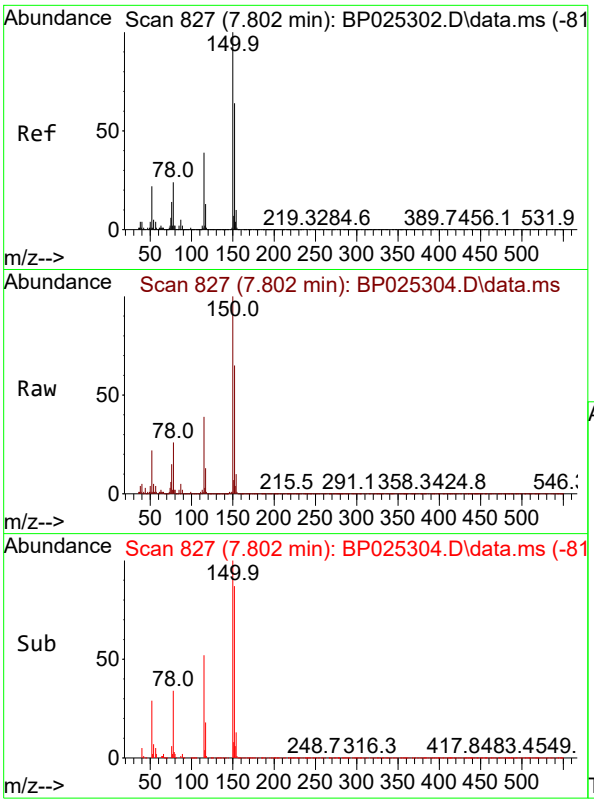
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



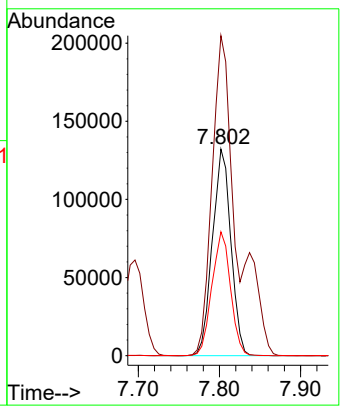


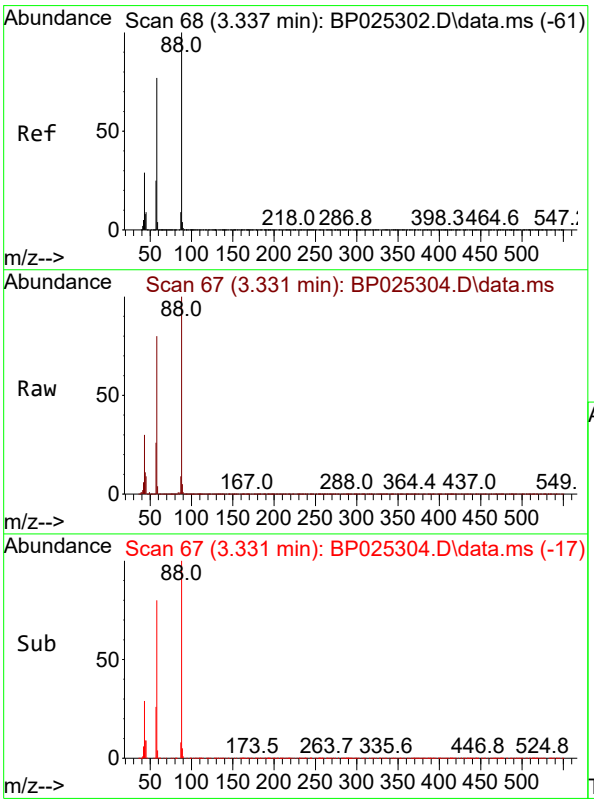
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 209548

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.1	187.7
115	60.0	48.4	72.6

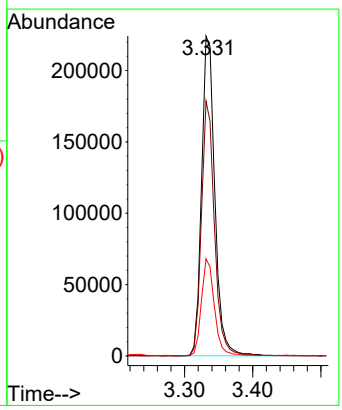


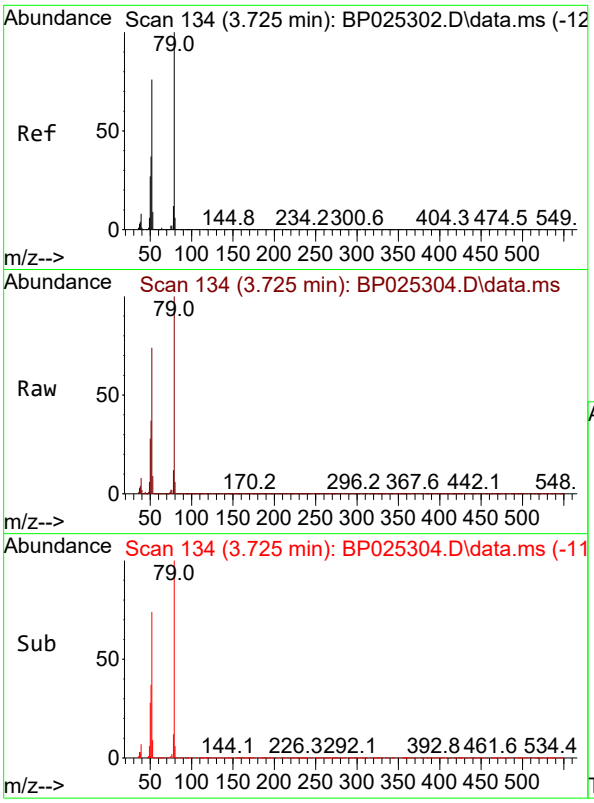


#2
1,4-Dioxane
Concen: 58.945 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 88 Resp: 303060

Ion	Ratio	Lower	Upper
88	100		
58	78.5	61.9	92.9
43	29.8	24.2	36.2



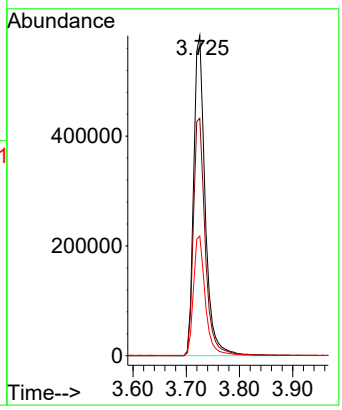


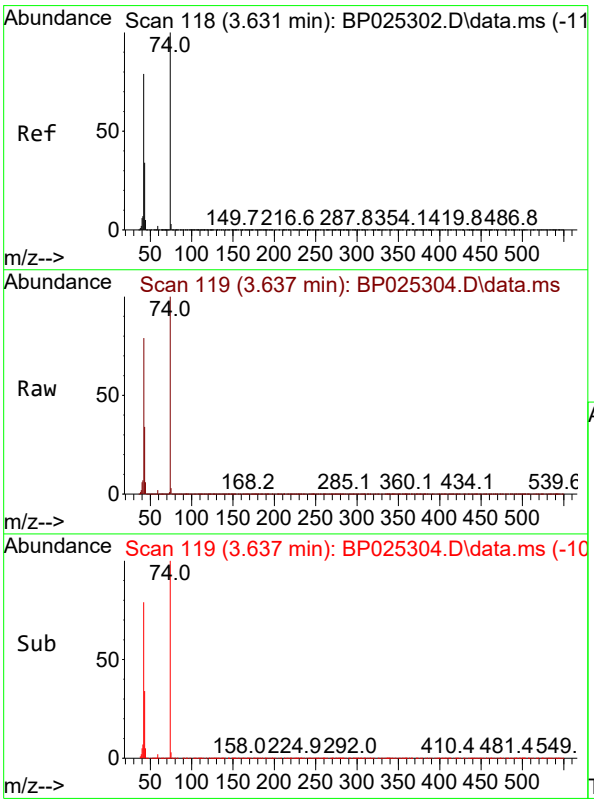
#3
Pyridine
Concen: 61.471 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 878078

Ion	Ratio	Lower	Upper
79	100		
52	74.2	60.5	90.7
51	37.4	30.2	45.2

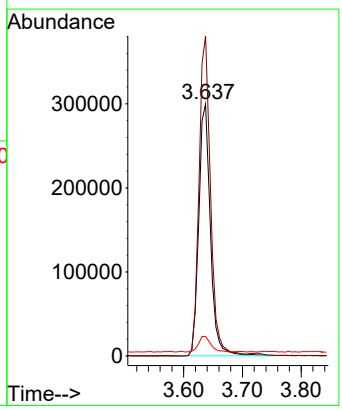


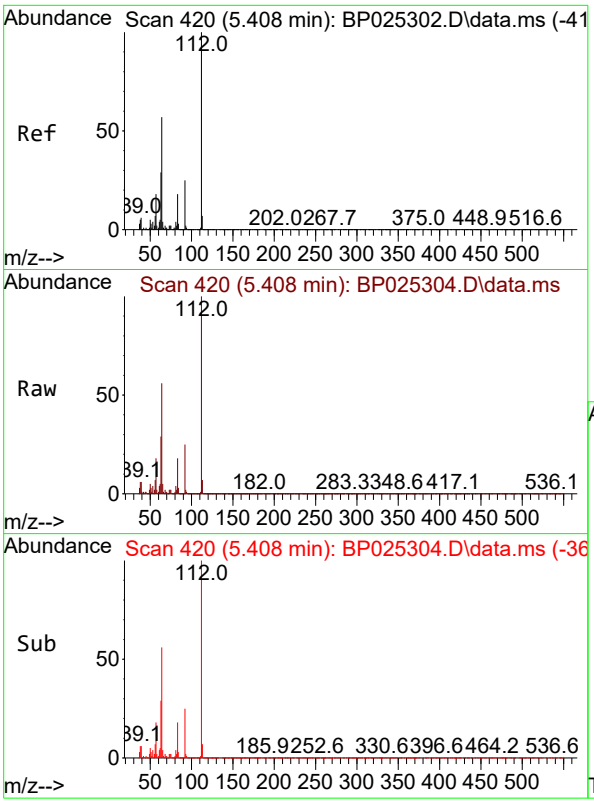


#4
n-Nitrosodimethylamine
Concen: 62.193 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 42 Resp: 412444

Ion	Ratio	Lower	Upper
42	100		
74	127.0	101.4	152.2
44	7.8	7.6	11.4



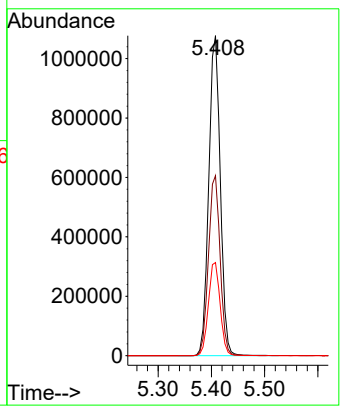


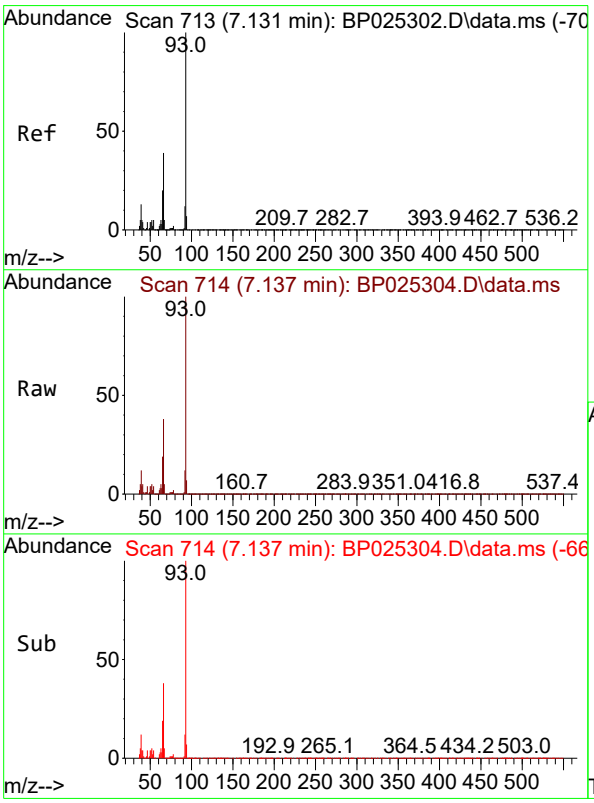
#5
2-Fluorophenol
Concen: 123.401 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1618188

Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	29.1	23.0	34.6

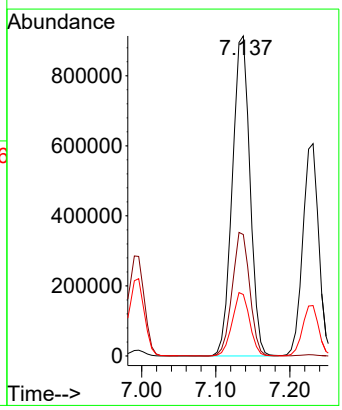


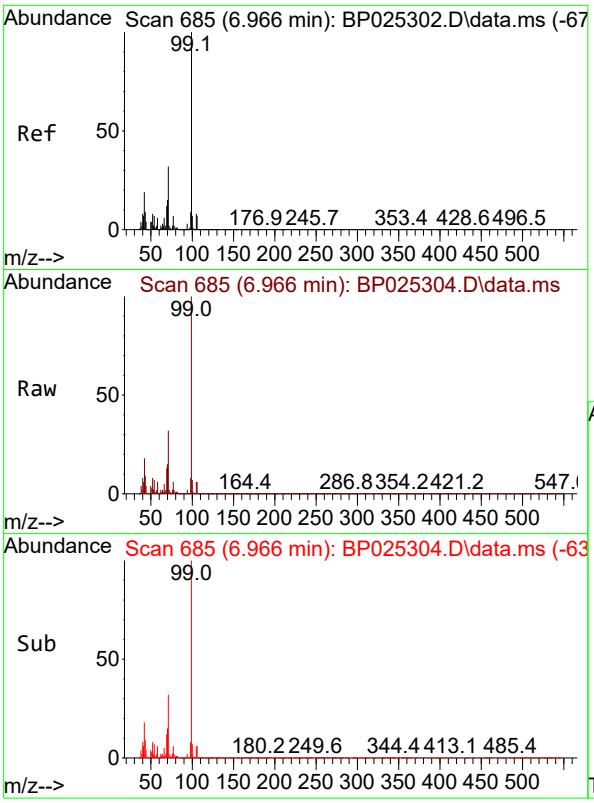


#6
Aniline
Concen: 64.169 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 93 Resp: 1510421

Ion	Ratio	Lower	Upper
93	100		
66	37.9	31.1	46.7
65	19.2	15.8	23.8



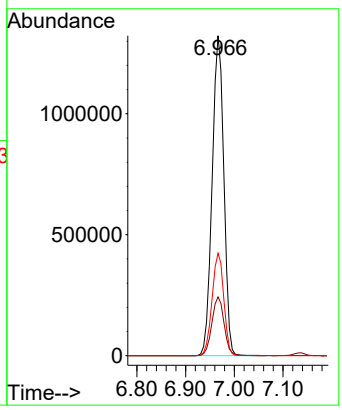


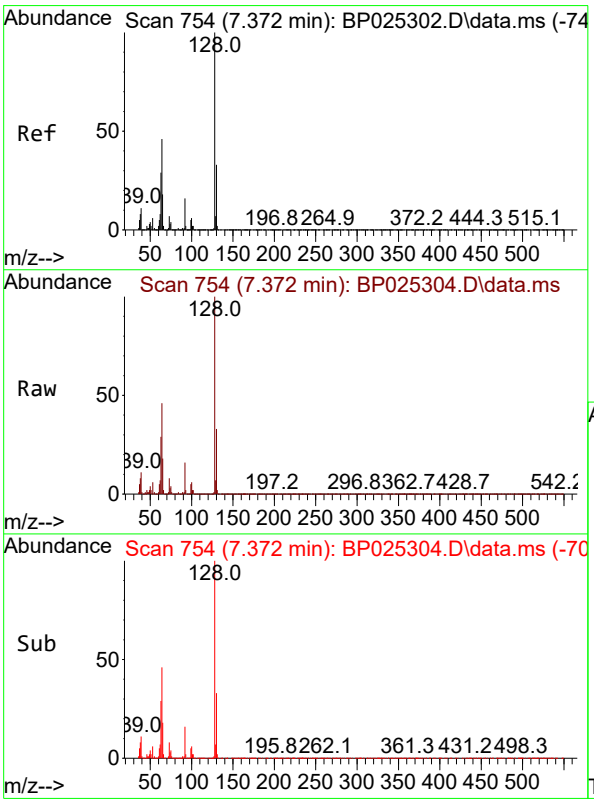
#7
Phenol-d6
Concen: 126.763 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2192788

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.6
71	32.0	25.5	38.3

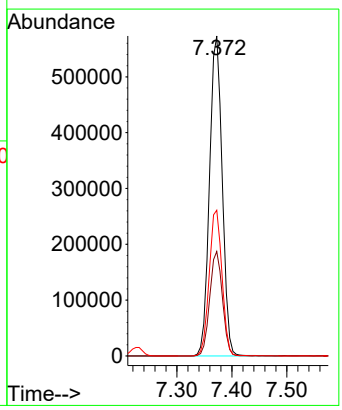


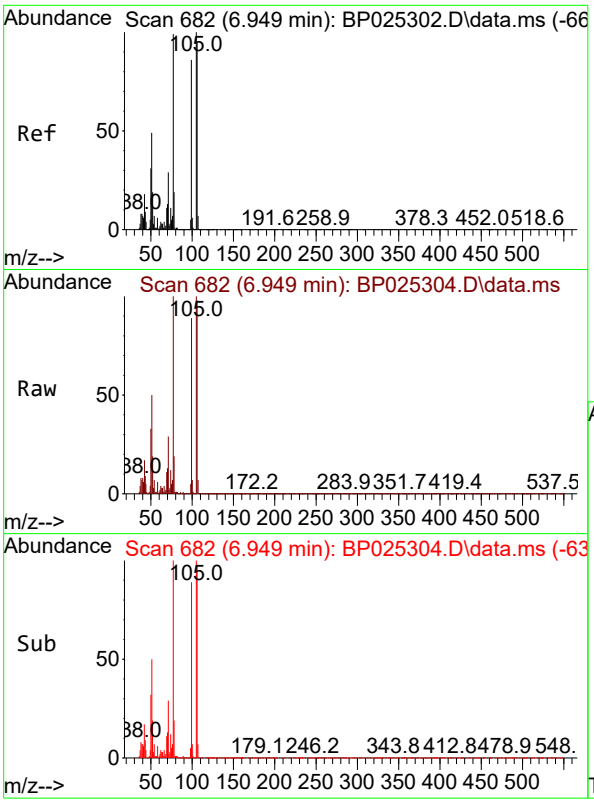


#8
2-Chlorophenol
Concen: 64.474 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:128 Resp: 919471

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	45.6	26.1	66.1



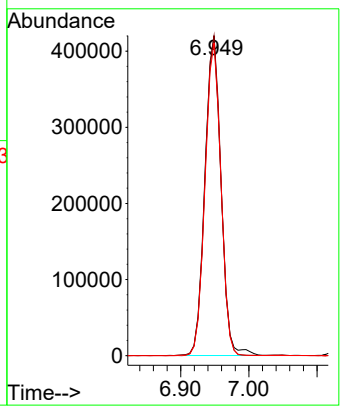


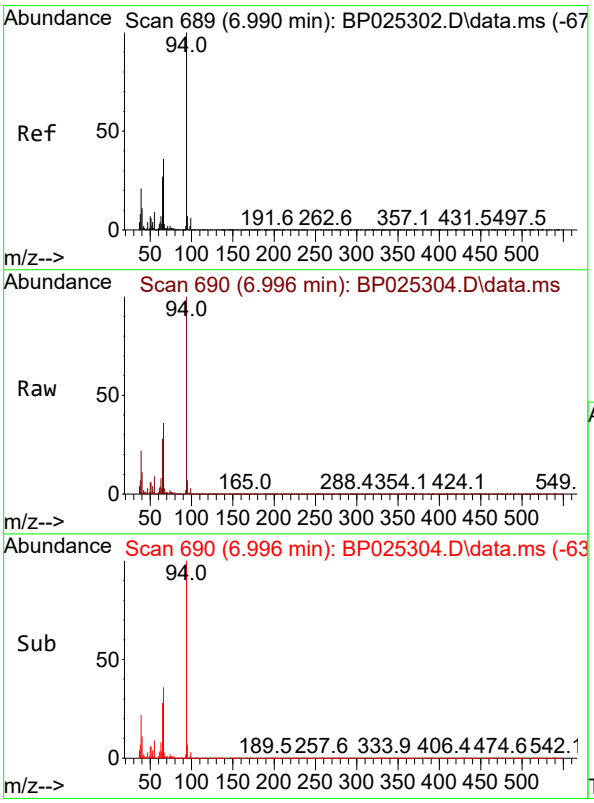
#9
Benzaldehyde
Concen: 56.545 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 688637

Ion	Ratio	Lower	Upper
77	100		
105	100.0	81.4	121.4
106	97.7	76.2	116.2

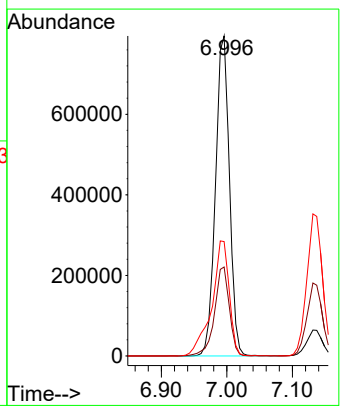


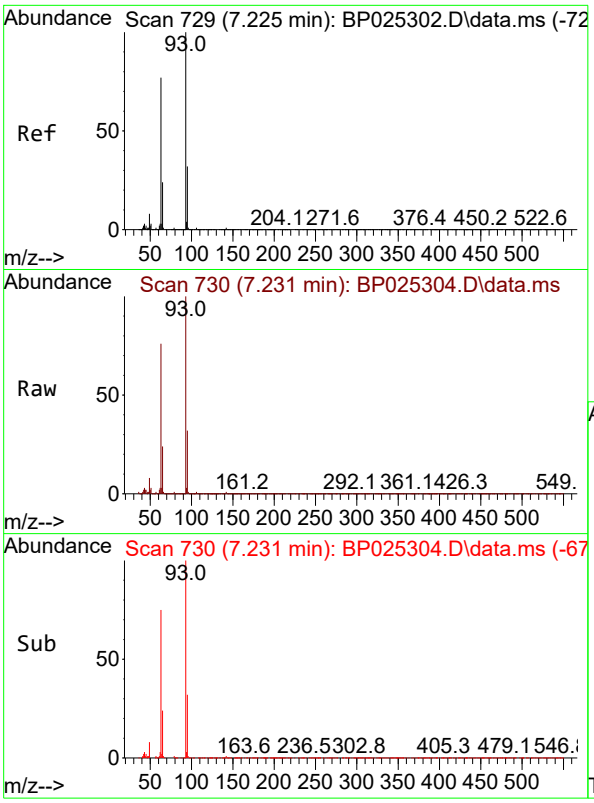


#10
Phenol
Concen: 63.704 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 94 Resp: 1168723

Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.3	47.3
66	35.8	15.7	55.7



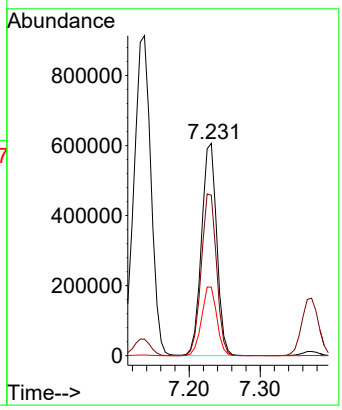


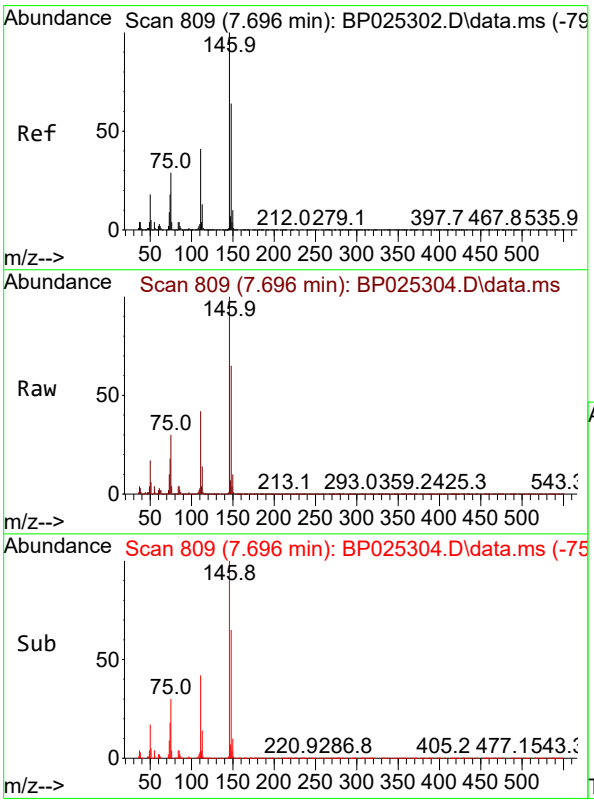
#11
bis(2-Chloroethyl)ether
Concen: 62.958 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 905011

Ion	Ratio	Lower	Upper
93	100		
63	75.6	57.0	97.0
95	32.3	12.1	52.1

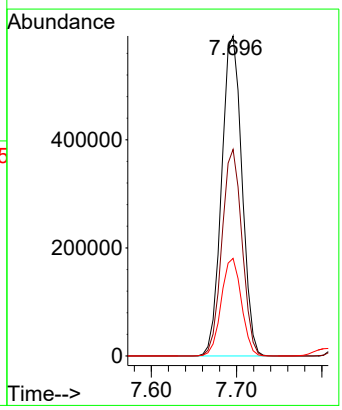


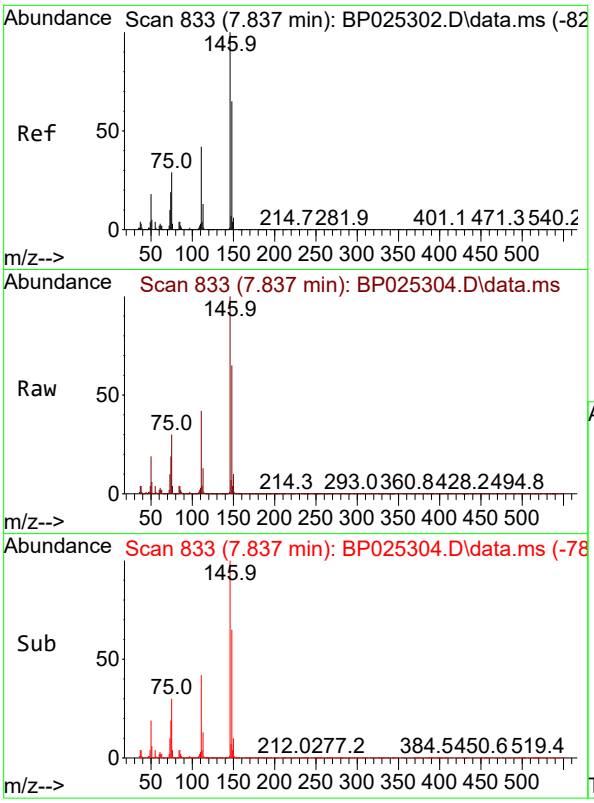


#12
1,3-Dichlorobenzene
Concen: 61.060 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:146 Resp: 978449

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
75	30.5	23.2	34.8



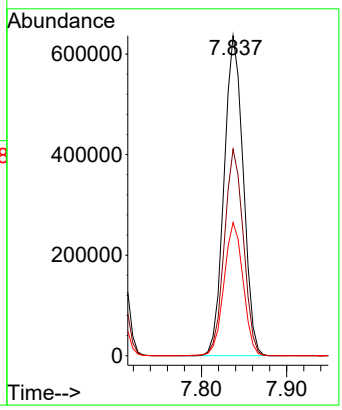


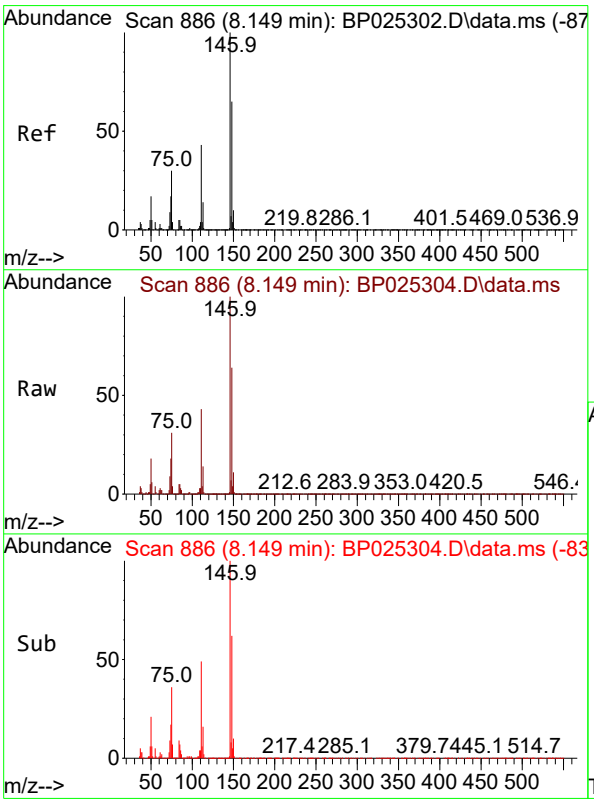
#13
1,4-Dichlorobenzene
Concen: 61.246 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 992921

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.0	78.0
111	41.6	33.2	49.8

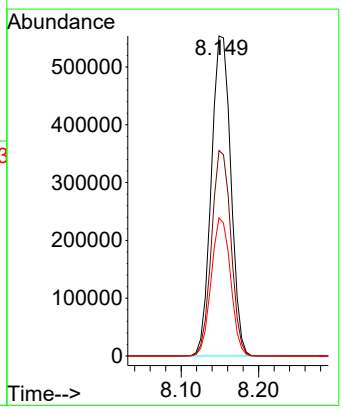


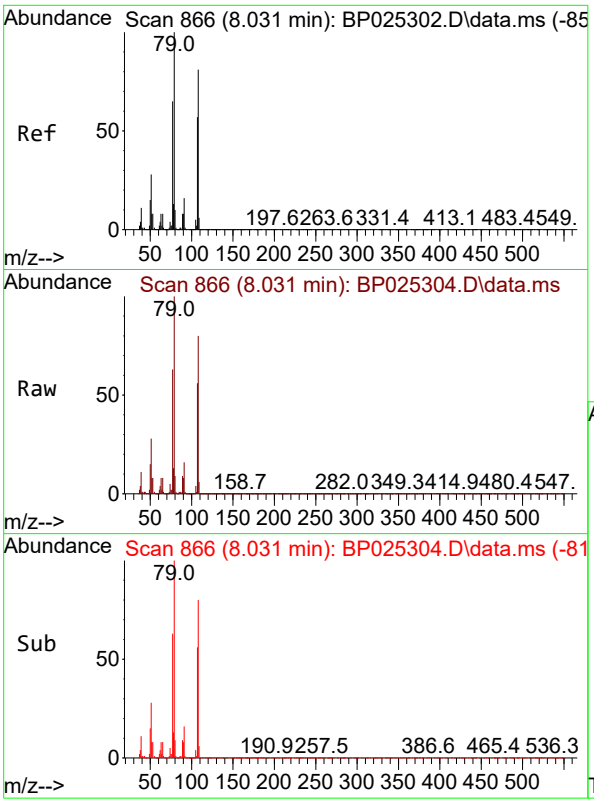


#14
1,2-Dichlorobenzene
Concen: 61.580 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:146 Resp: 967096

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	43.2	34.4	51.6



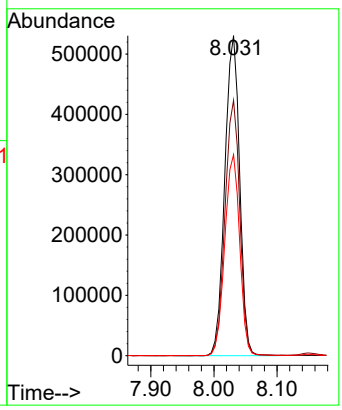


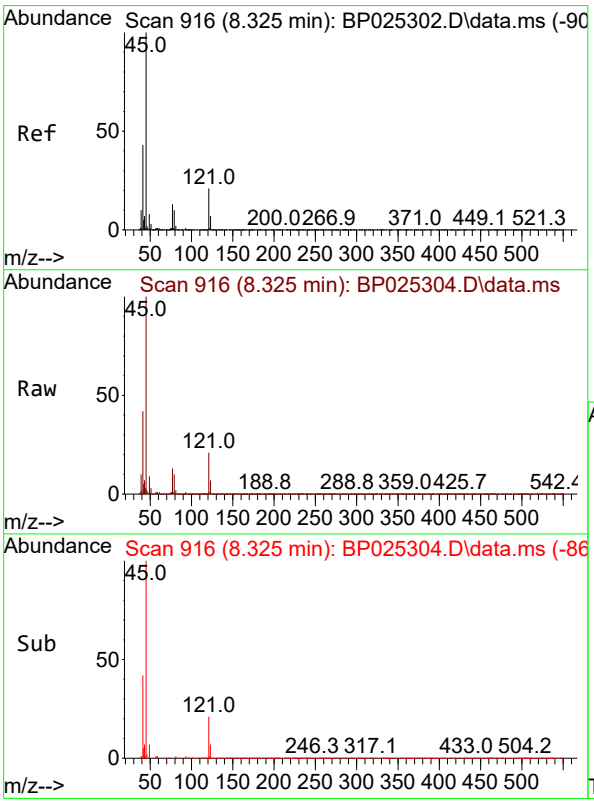
#15
Benzyl Alcohol
Concen: 65.324 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 868233

Ion	Ratio	Lower	Upper
79	100		
108	79.8	64.5	96.7
77	62.8	51.9	77.9

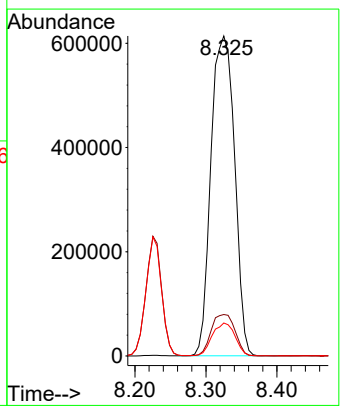


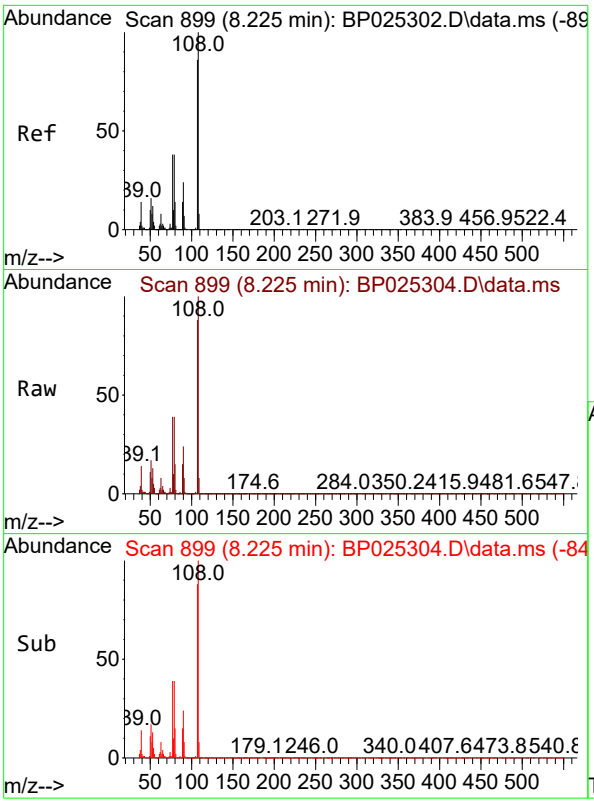


#16
2,2'-oxybis(1-Chloropropane)
Concen: 62.512 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 45 Resp: 1419539

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.0
79	10.3	0.0	29.8



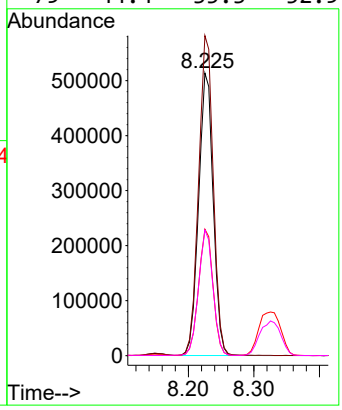


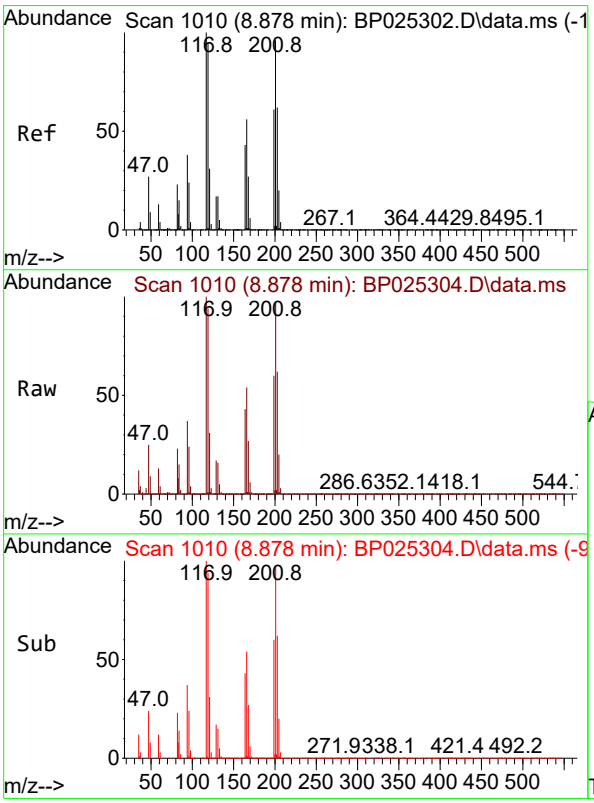
#17
2-Methylphenol
Concen: 64.734 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 794670

Ion	Ratio	Lower	Upper
107	100		
108	113.2	92.6	139.0
77	44.7	35.4	53.2
79	44.4	35.3	52.9

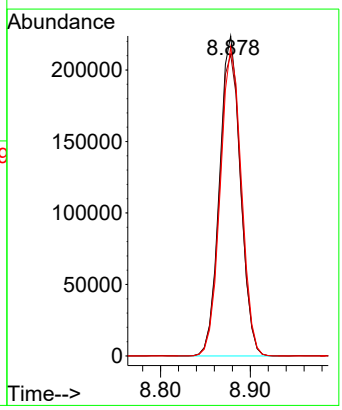


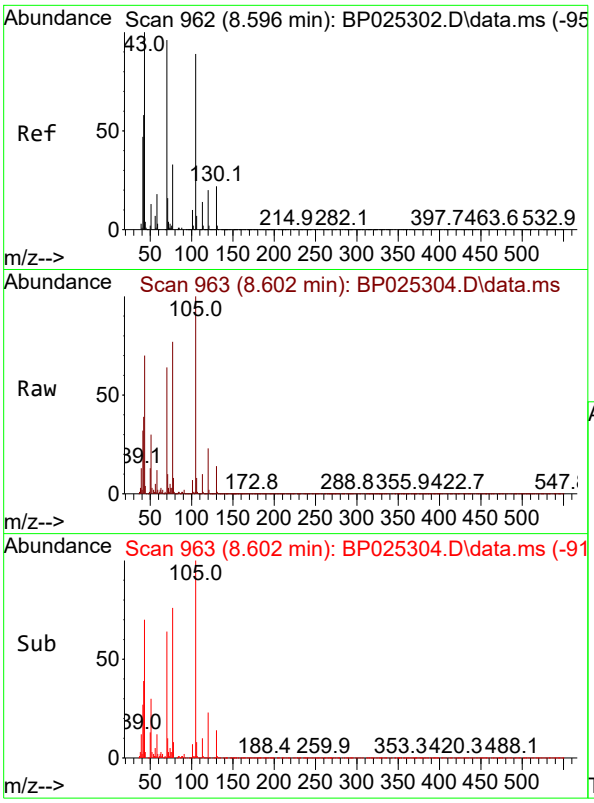


#18
Hexachloroethane
Concen: 62.586 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:117 Resp: 362858

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
201	96.5	76.6	114.8



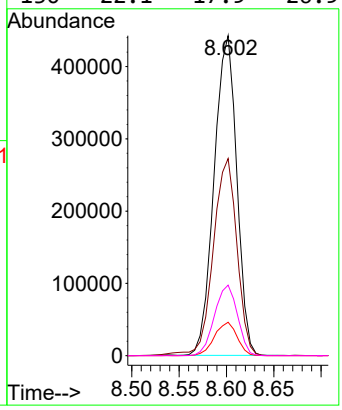


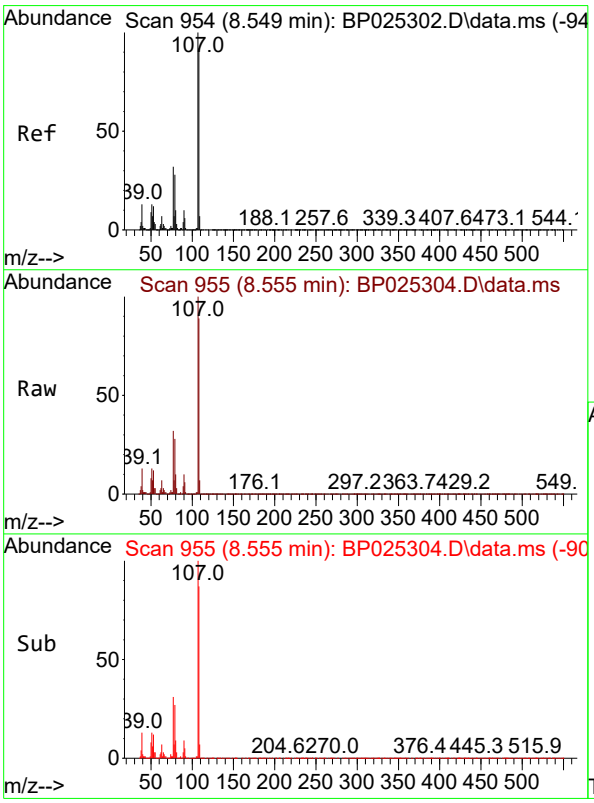
#19
n-Nitroso-di-n-propylamine
Concen: 65.363 ng
RT: 8.602 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 736360

Ion	Ratio	Lower	Upper
70	100		
42	61.6	49.4	74.0
101	10.5	7.9	11.9
130	22.1	17.9	26.9

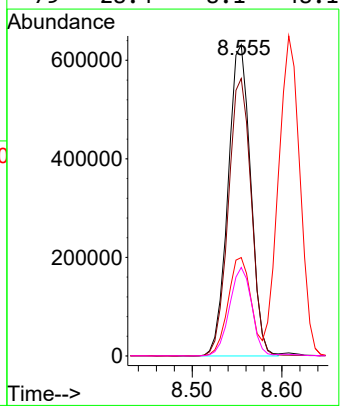


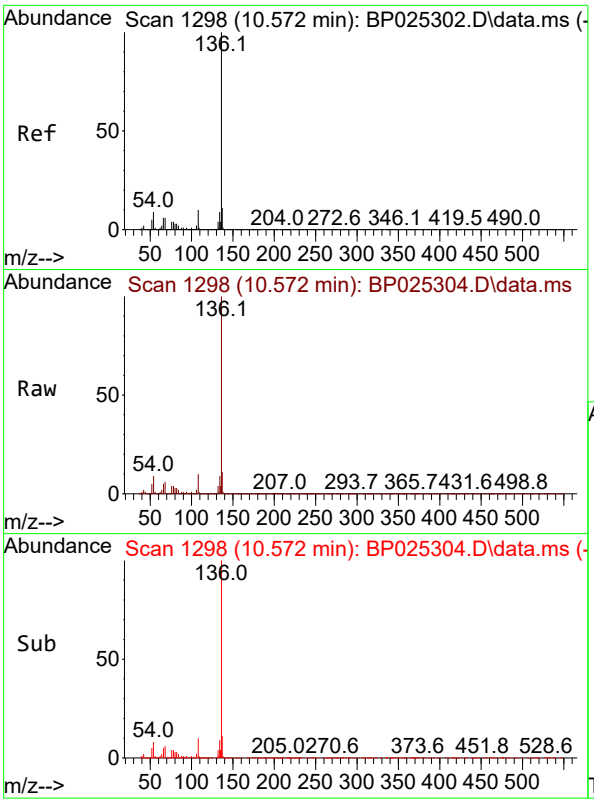


#20
3+4-Methylphenols
Concen: 65.236 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:107 Resp: 1102764

Ion	Ratio	Lower	Upper
107	100		
108	89.1	71.9	111.9
77	31.6	12.0	52.0
79	28.4	8.1	48.1



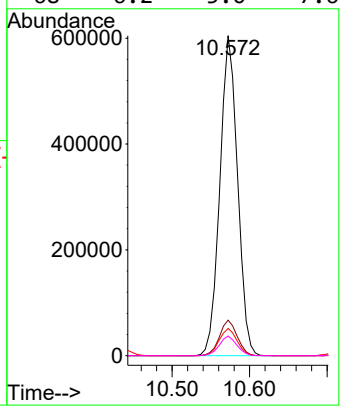


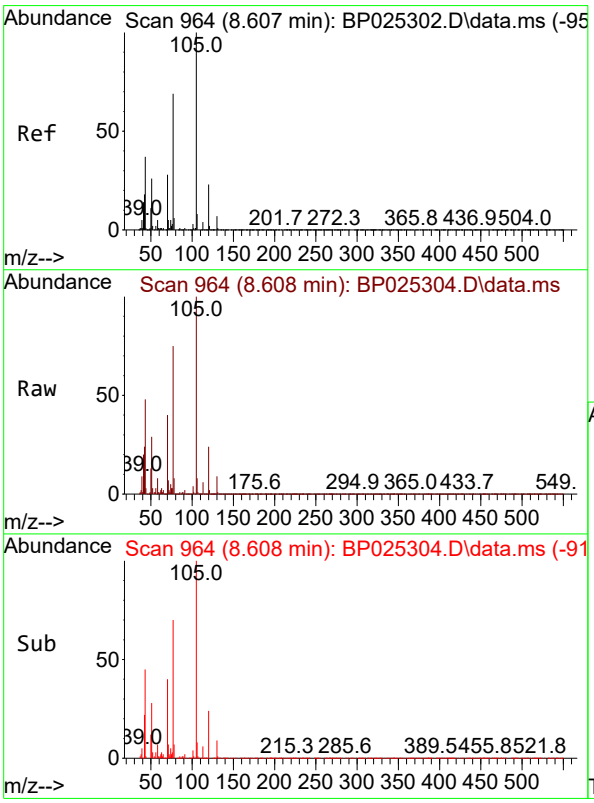
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 959140

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	7.0	10.6
68	6.2	5.0	7.6

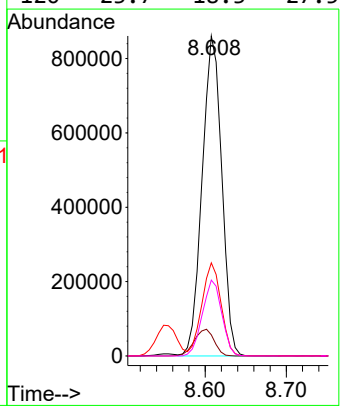


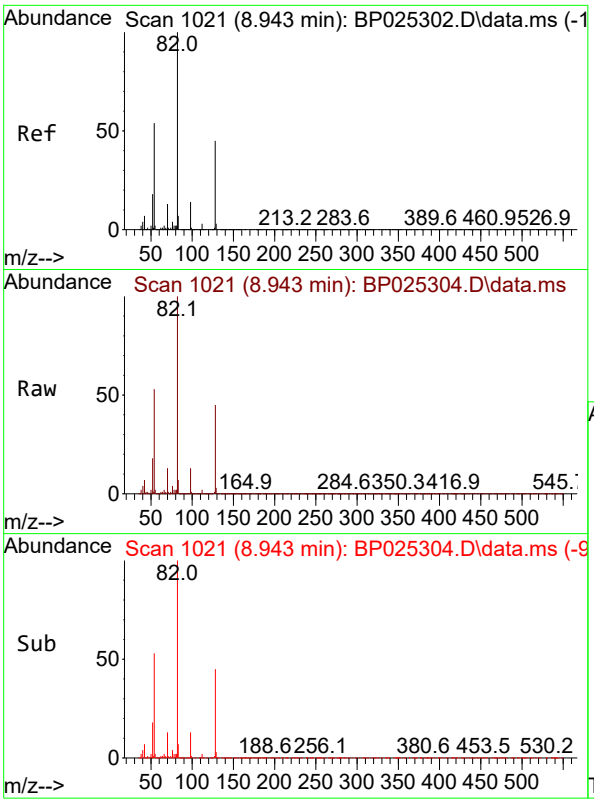


#22
Acetophenone
Concen: 59.875 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:105 Resp: 1441680

Ion	Ratio	Lower	Upper
105	100		
71	6.6	4.1	6.1#
51	29.1	22.7	34.1
120	23.7	18.3	27.5



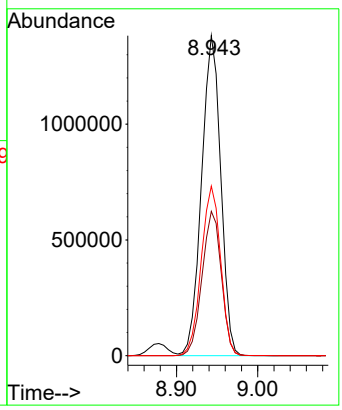


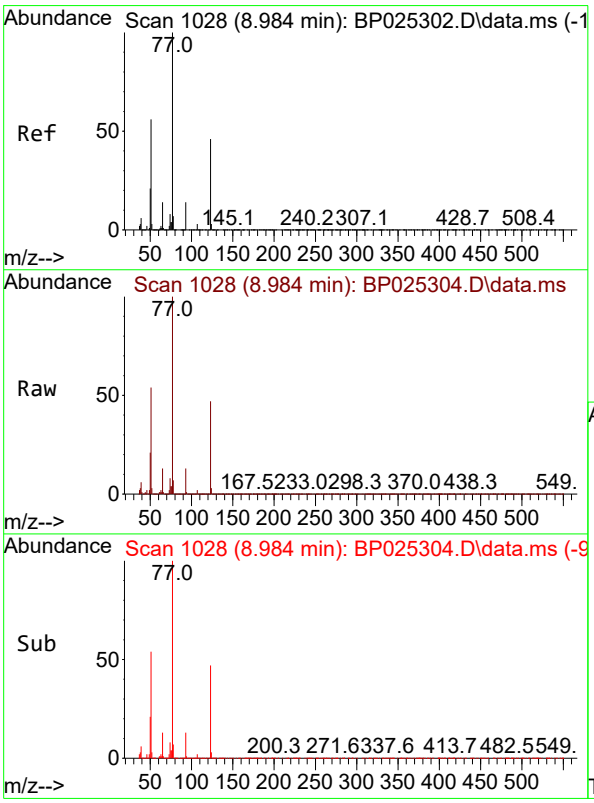
#23
Nitrobenzene-d5
Concen: 127.855 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2266518

Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.4	53.2
54	53.0	42.9	64.3

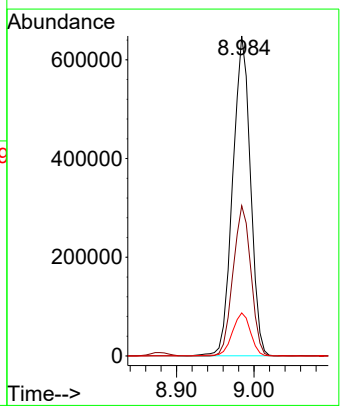


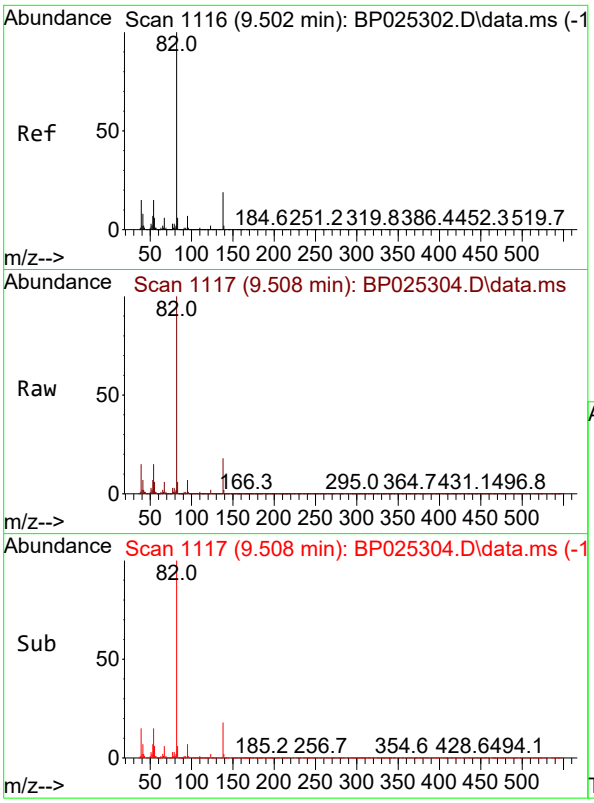


#24
Nitrobenzene
Concen: 63.003 ng
RT: 8.984 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 77 Resp: 1032520

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.4	56.2
65	13.4	11.1	16.7



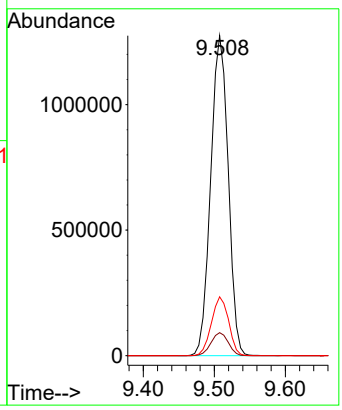


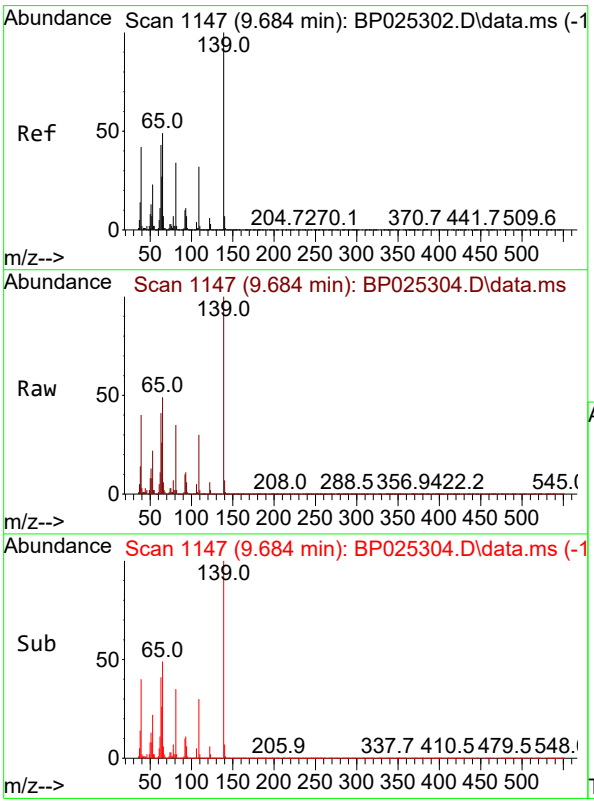
#25
Isophorone
Concen: 63.135 ng
RT: 9.508 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2175760

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.4	15.0	22.6

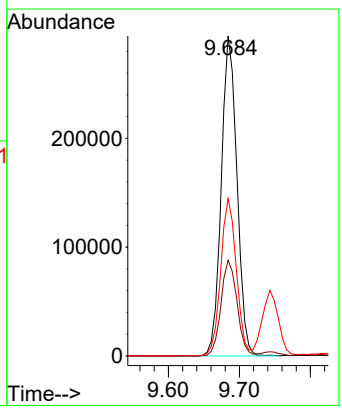


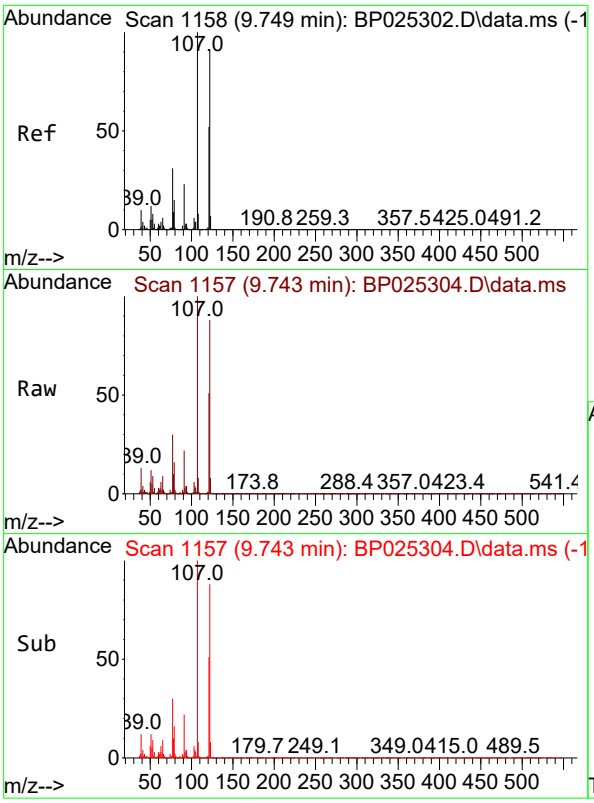


#26
2-Nitrophenol
Concen: 61.813 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:139 Resp: 449368

Ion	Ratio	Lower	Upper
139	100		
109	29.9	25.2	37.8
65	49.2	39.6	59.4



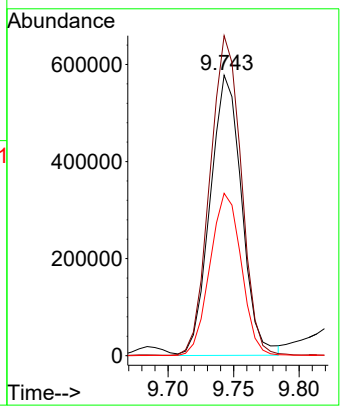


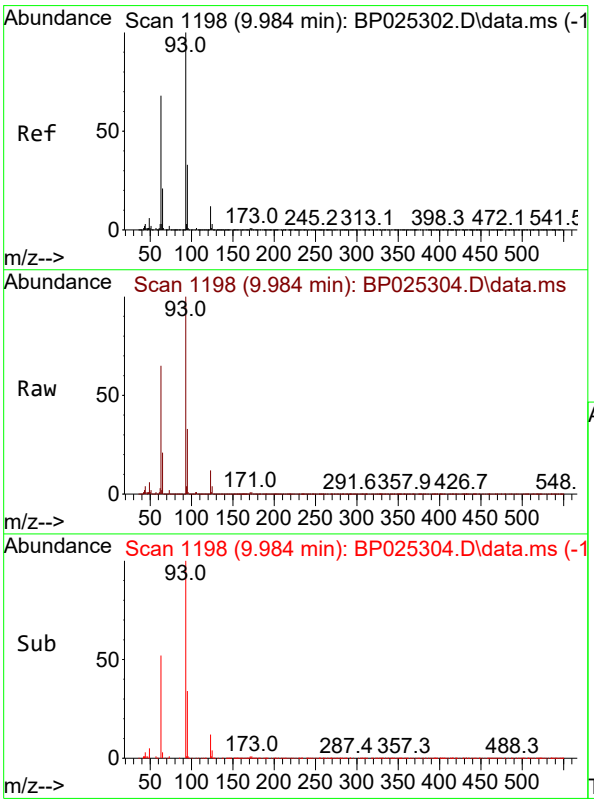
#27
2,4-Dimethylphenol
Concen: 60.732 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 964929

Ion	Ratio	Lower	Upper
122	100		
107	114.1	87.4	131.0
121	57.9	45.8	68.8

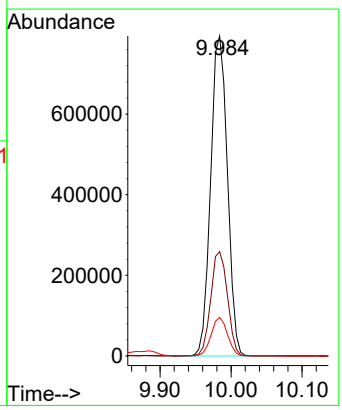


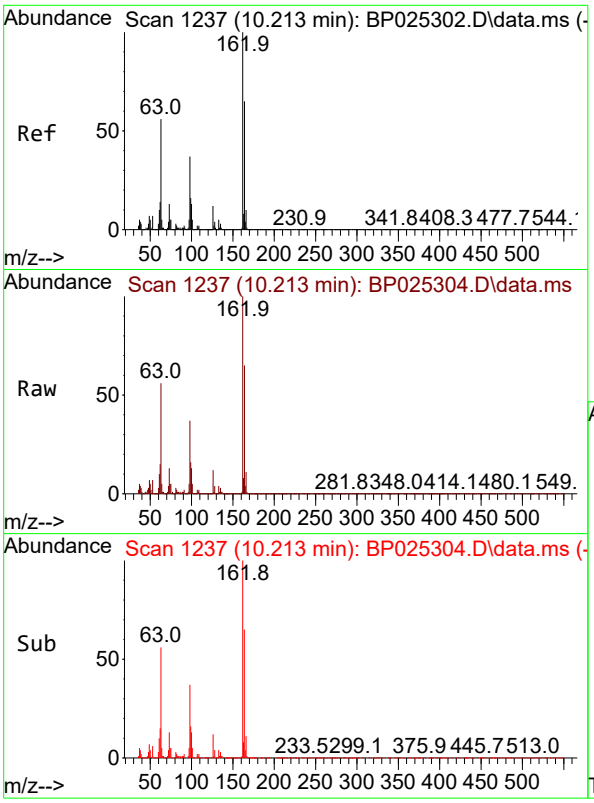


#28
bis(2-Chloroethoxy)methane
Concen: 61.783 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 93 Resp: 1295232

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.5	39.7
123	12.0	9.4	14.2



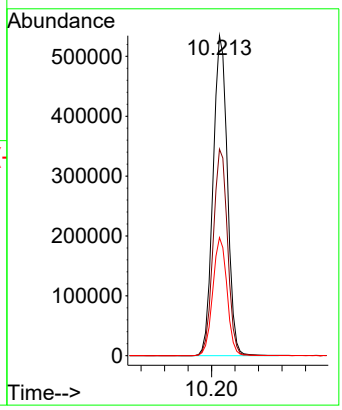


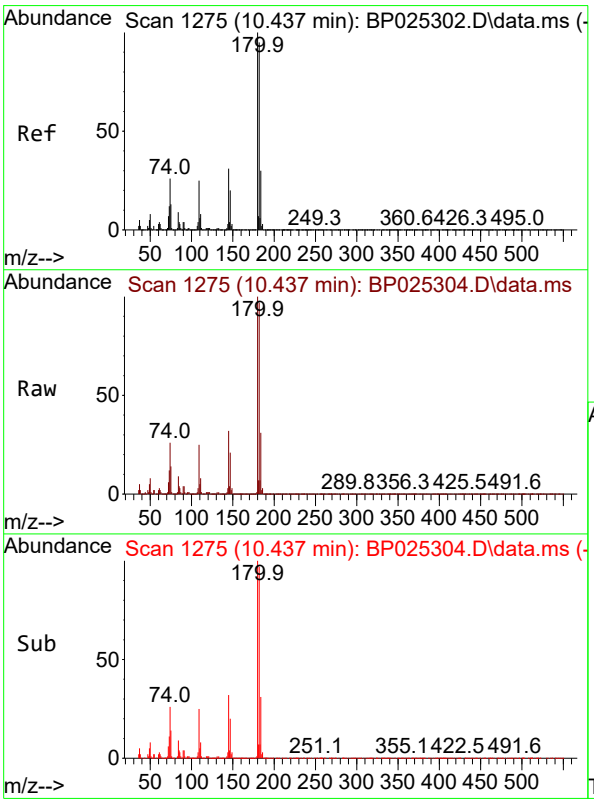
#29
2,4-Dichlorophenol
Concen: 65.101 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 905554

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.2	85.2
98	36.9	17.5	57.5

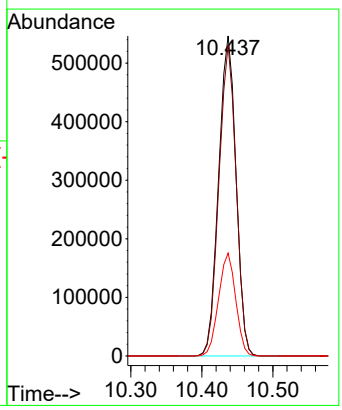


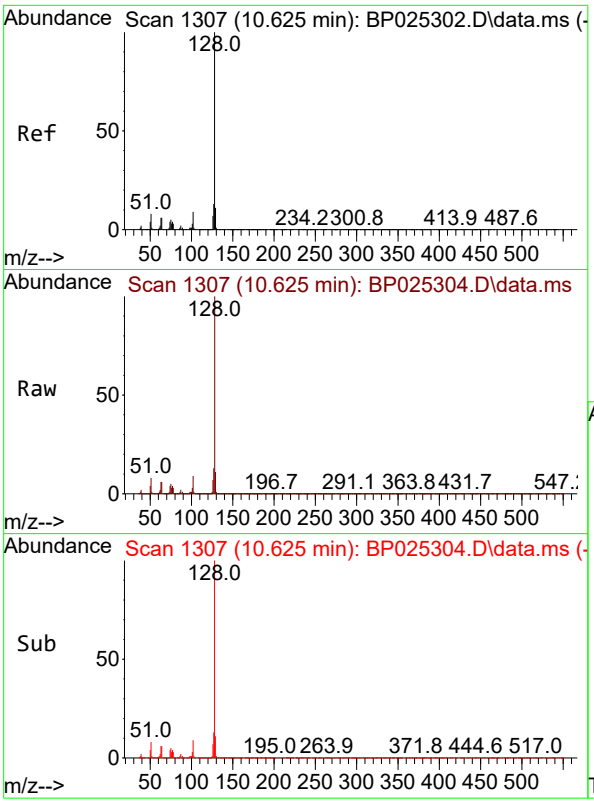


#30
1,2,4-Trichlorobenzene
Concen: 60.262 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:180 Resp: 924791

Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.8
145	32.2	25.0	37.4



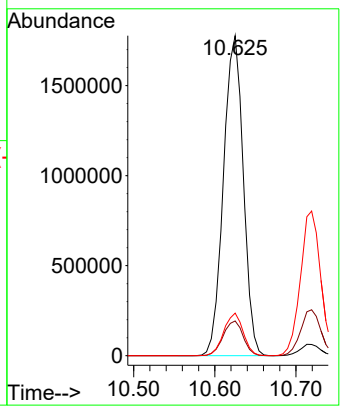


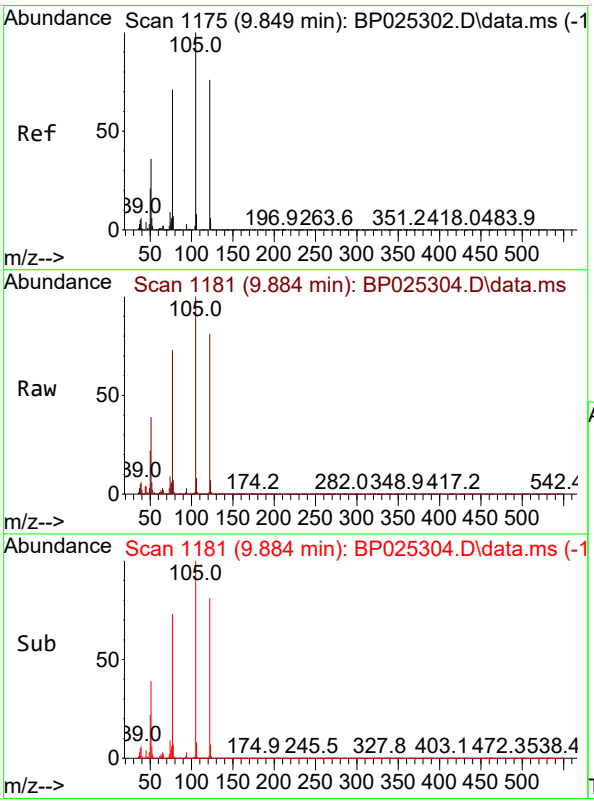
#31
Naphthalene
Concen: 60.593 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3016986

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.3	10.4	15.6

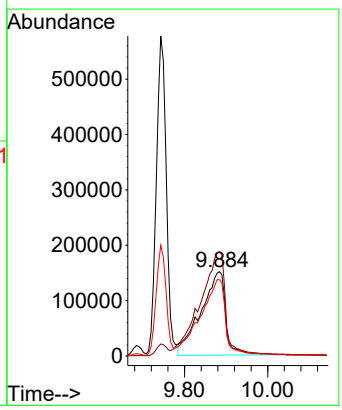


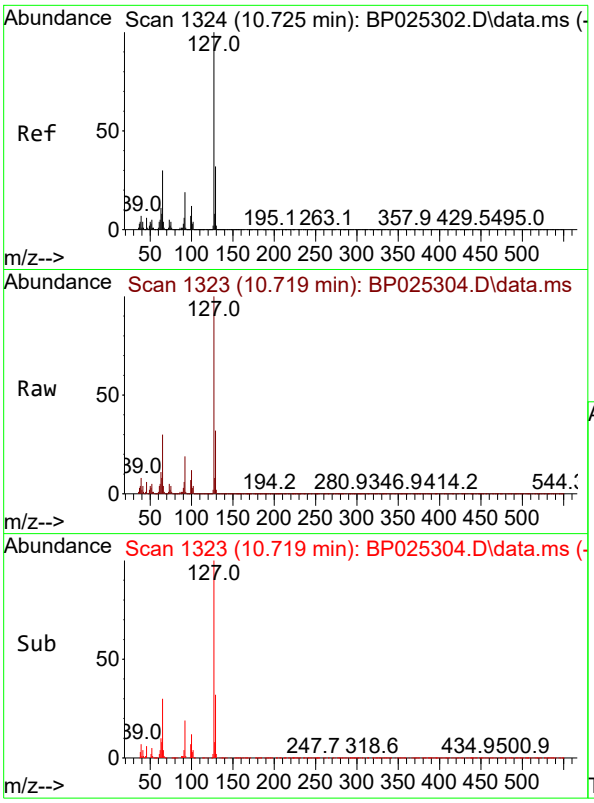


#32
Benzoic acid
Concen: 61.911 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.035 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:122 Resp: 625232

Ion	Ratio	Lower	Upper
122	100		
105	123.8	104.0	144.0
77	90.6	71.8	111.8



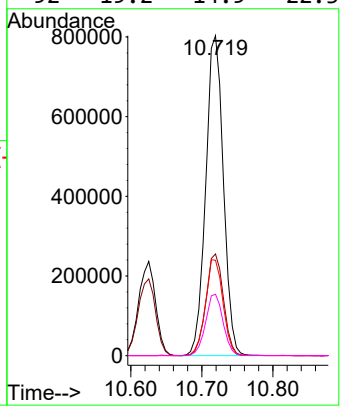


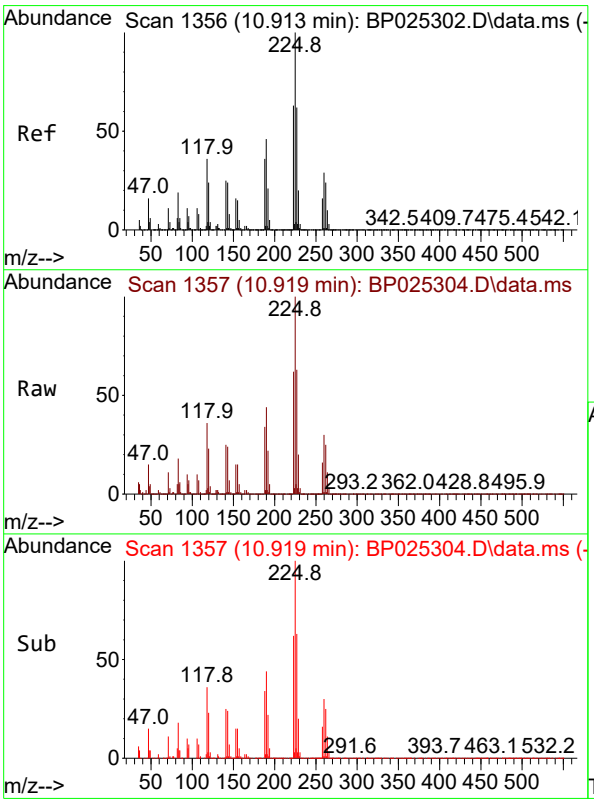
#33
4-Chloroaniline
Concen: 62.570 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1385599

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	29.8	23.6	35.4
92	19.2	14.9	22.3

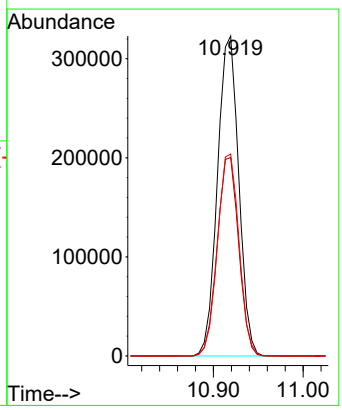


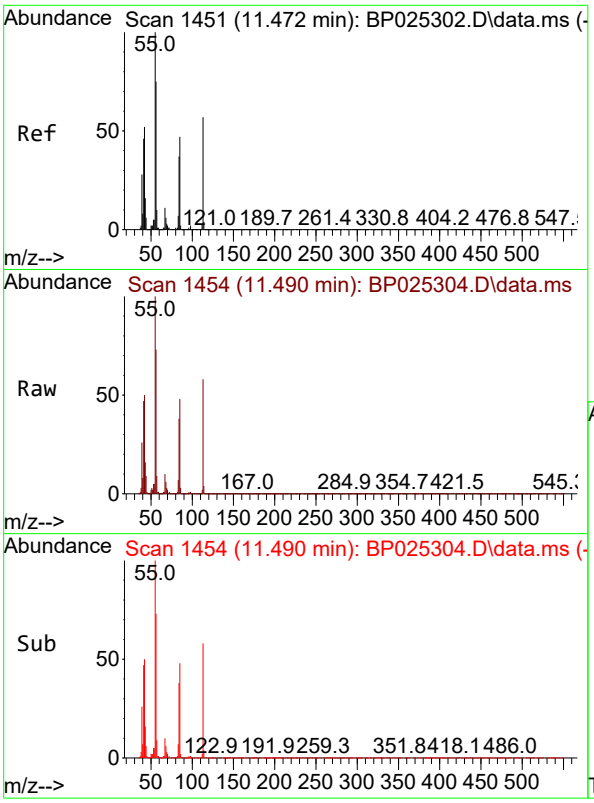


#34
Hexachlorobutadiene
Concen: 60.284 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:225 Resp: 531051

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	63.1	49.7	74.5



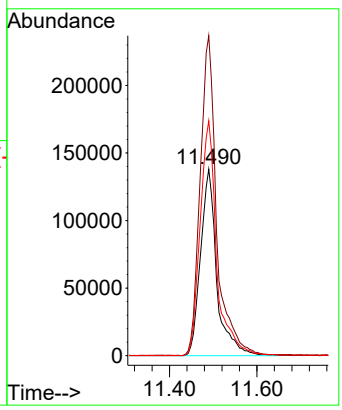


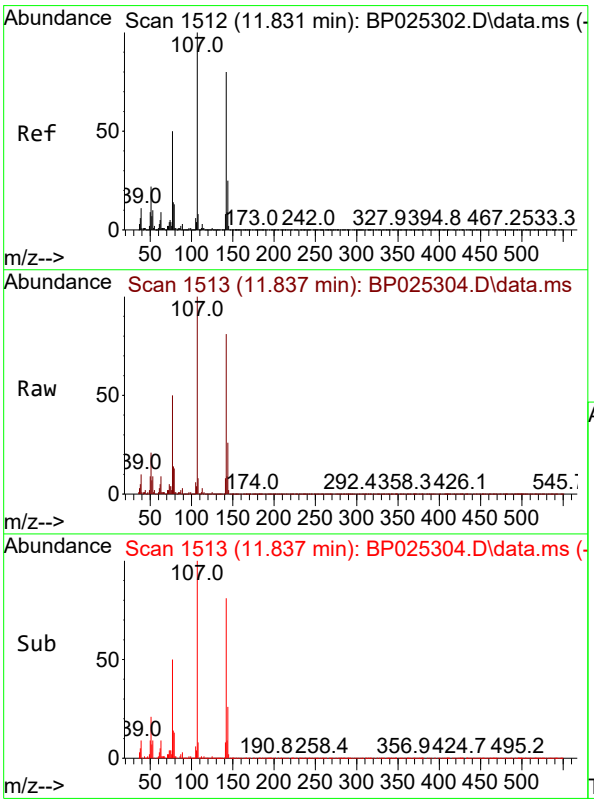
#35
Caprolactam
Concen: 65.928 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 356548

Ion	Ratio	Lower	Upper
113	100		
55	171.6	154.4	194.4
56	126.0	110.9	150.9

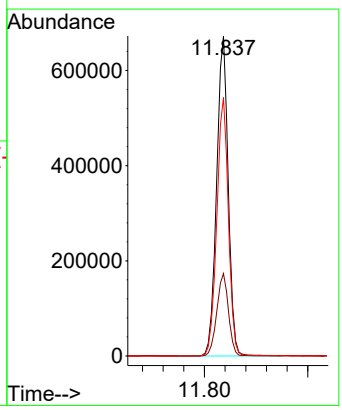


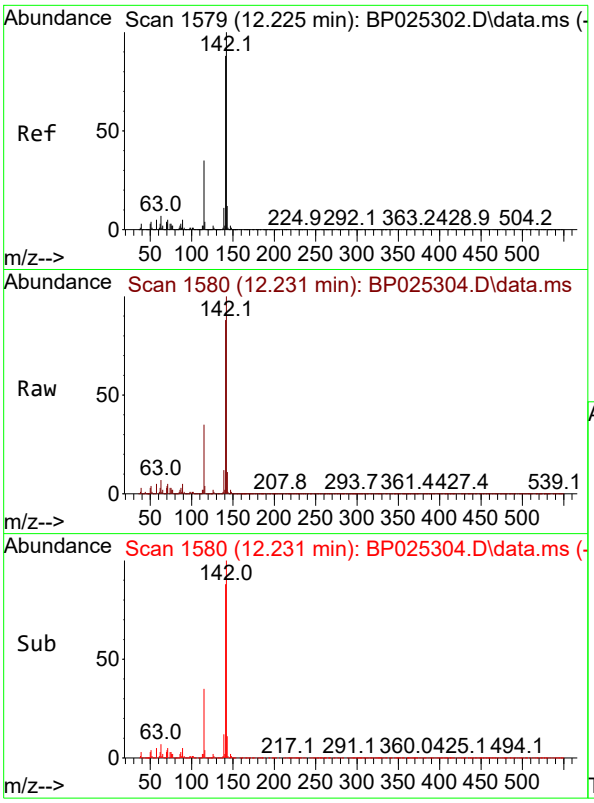


#36
4-Chloro-3-methylphenol
Concen: 64.929 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:107 Resp: 1045051

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	80.7	63.7	95.5



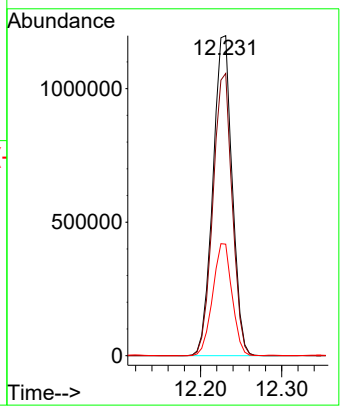


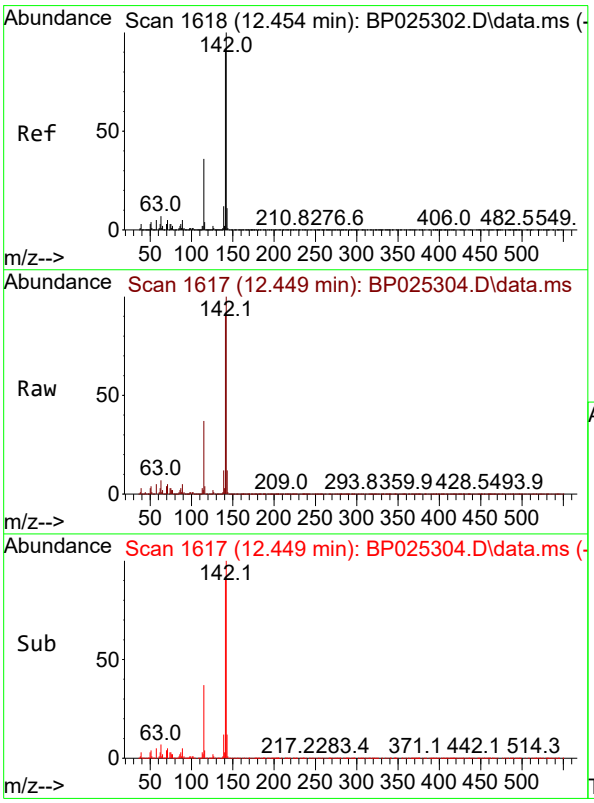
#37
2-Methylnaphthalene
Concen: 61.409 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1979064

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6
115	34.8	28.0	42.0

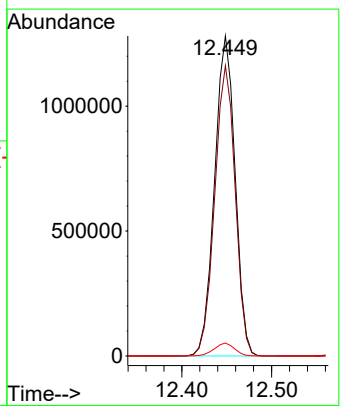


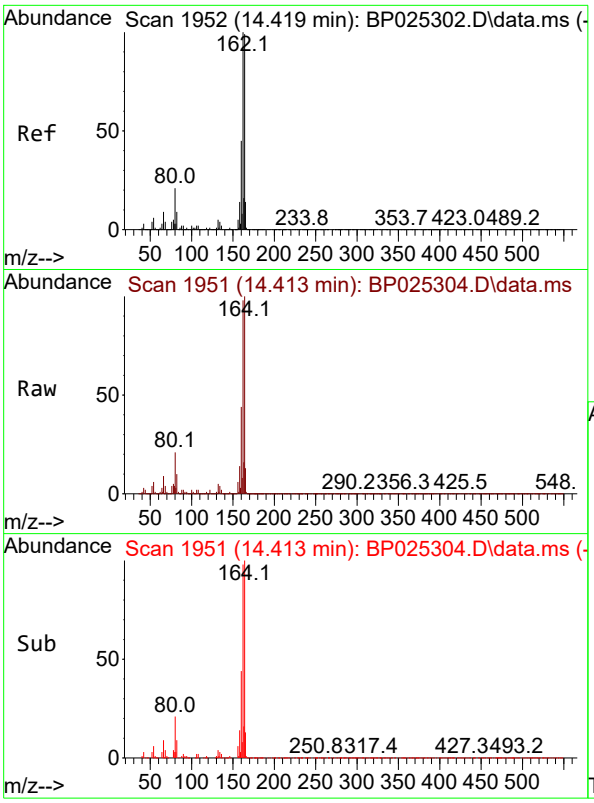


#38
1-Methylnaphthalene
Concen: 60.428 ng
RT: 12.449 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:142 Resp: 2032006

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.6
116	4.0	3.0	4.6



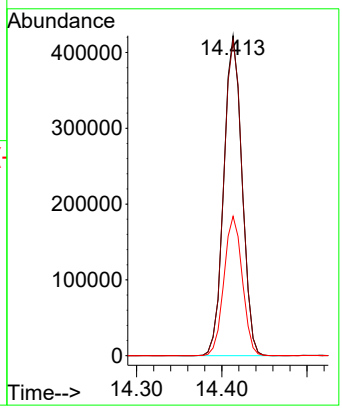


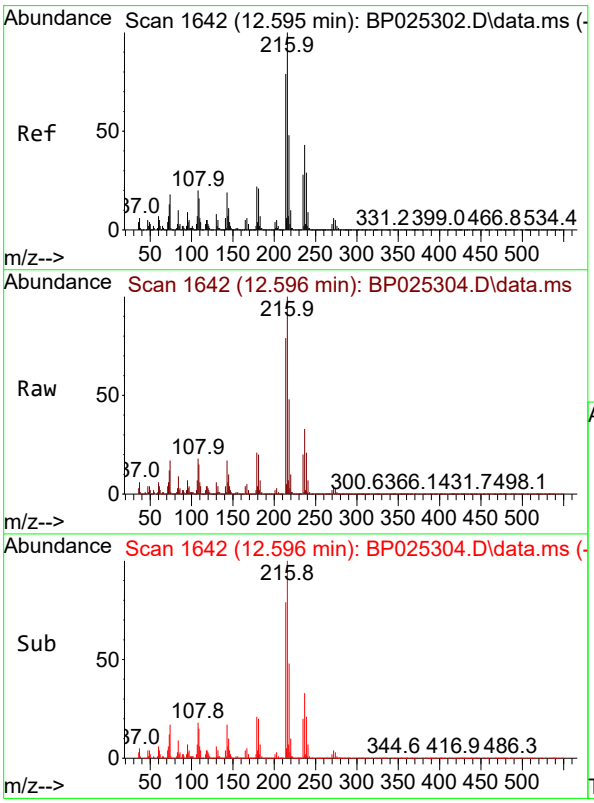
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 627525

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.6	35.9	53.9

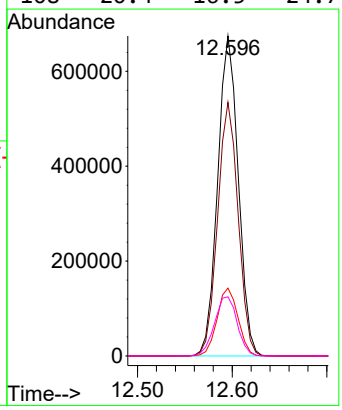


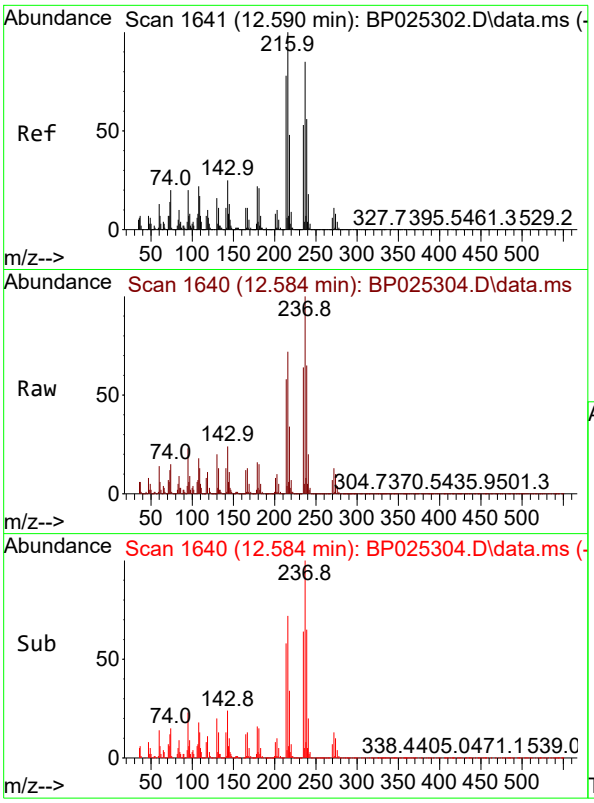


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.576 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:216 Resp: 1020686

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.4	93.6
179	21.6	17.5	26.3
108	20.4	16.5	24.7



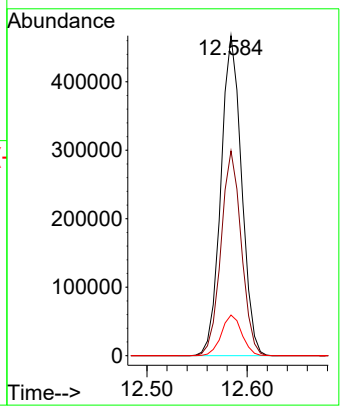


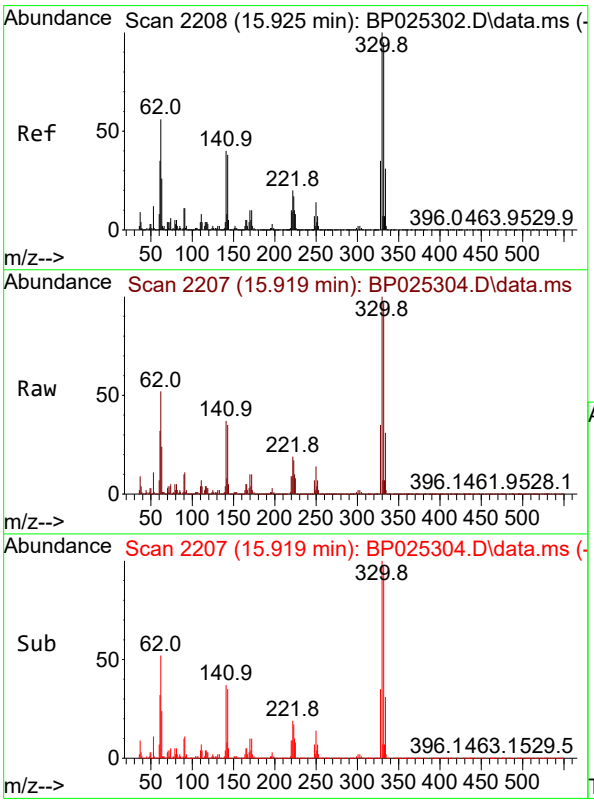
#41
Hexachlorocyclopentadiene
Concen: 63.265 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 668954

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.2	82.2
272	12.7	0.0	32.8

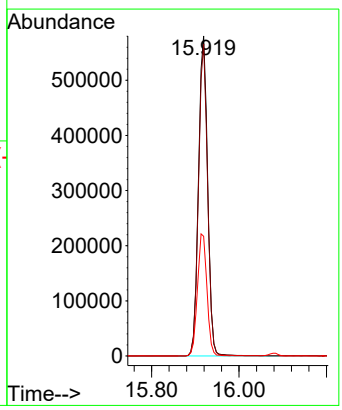


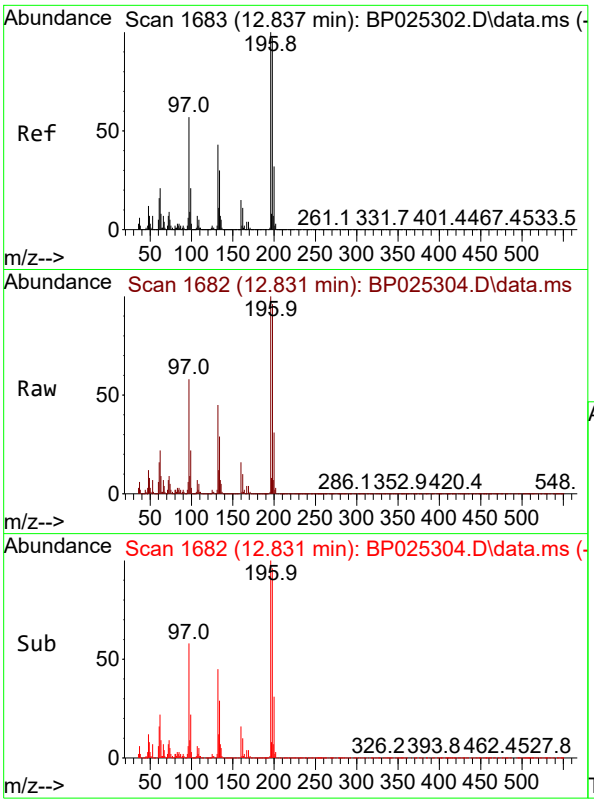


#42
2,4,6-Tribromophenol
Concen: 130.917 ng
RT: 15.919 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:330 Resp: 848230

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	39.5	31.7	47.5



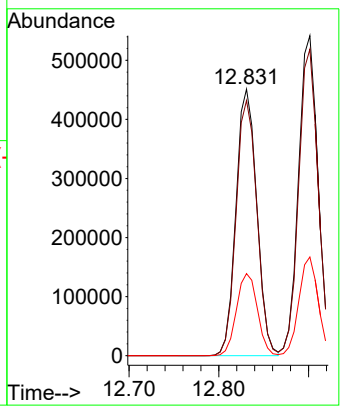


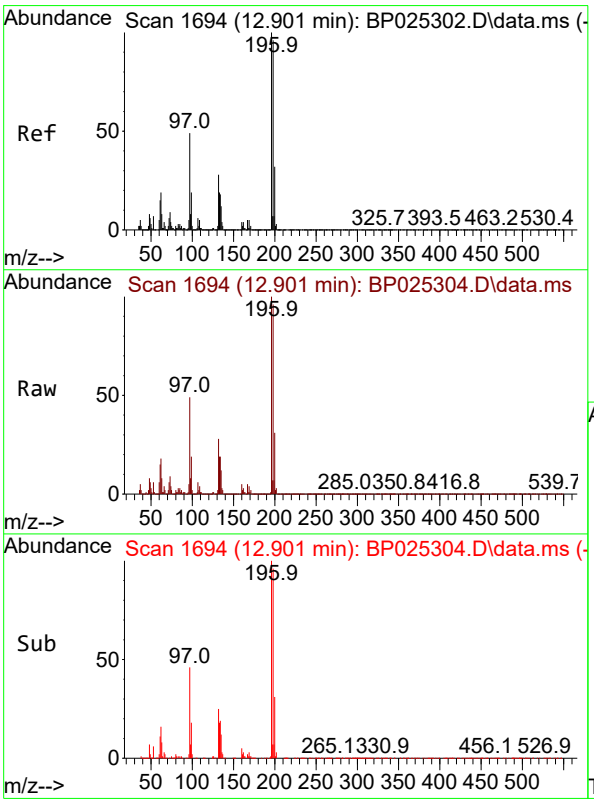
#43
2,4,6-Trichlorophenol
Concen: 65.619 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 726236

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
200	30.8	25.4	38.2

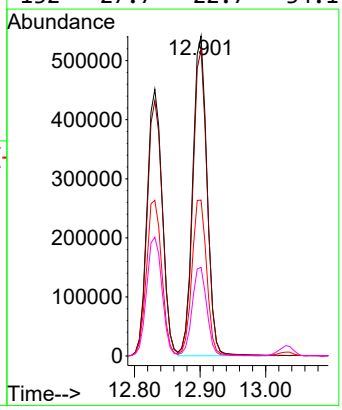


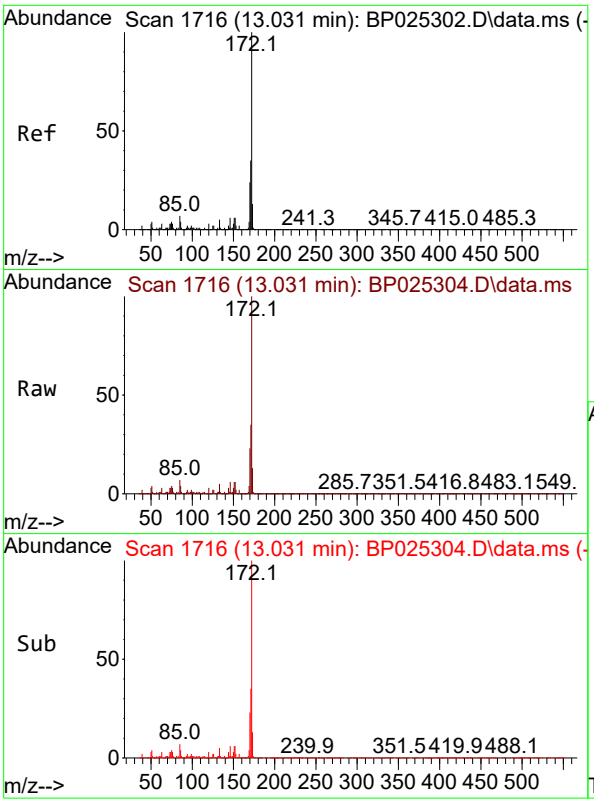


#44
2,4,5-Trichlorophenol
Concen: 66.349 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:196 Resp: 823738

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	48.7	39.5	59.3
132	27.7	22.7	34.1



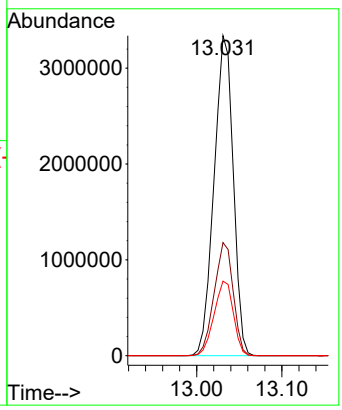


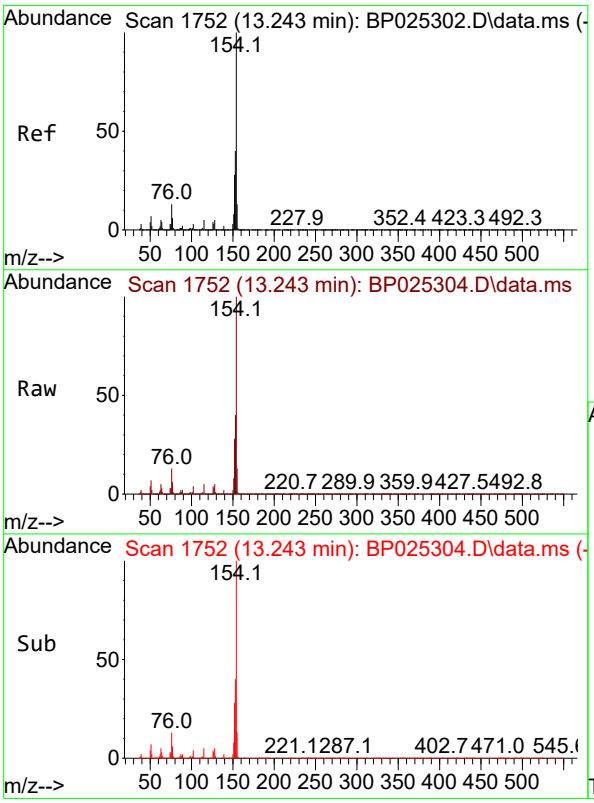
#45
2-Fluorobiphenyl
Concen: 115.685 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5227983

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.3	18.9	28.3

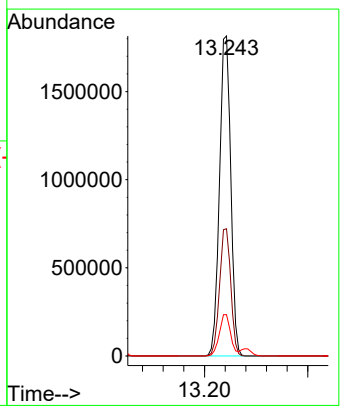


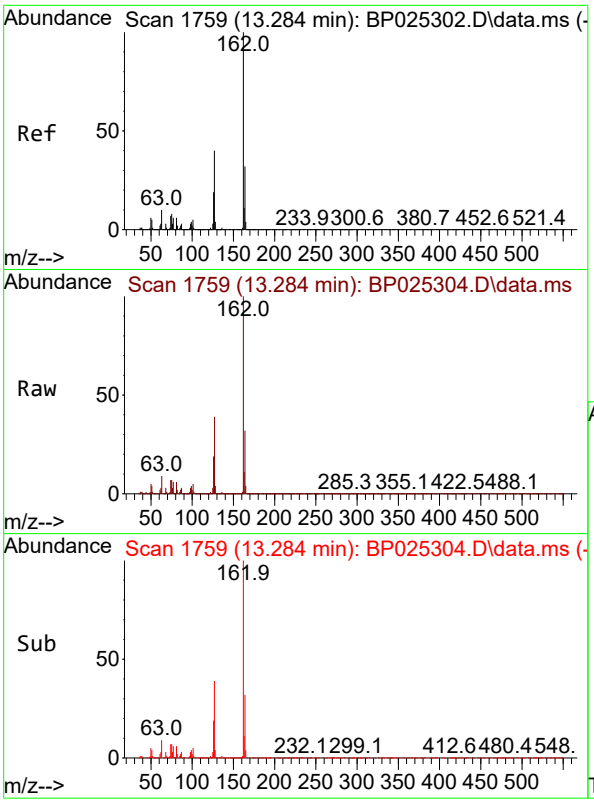


#46
1,1'-Biphenyl
Concen: 59.180 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:154 Resp: 2736817

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.9	59.9
76	12.9	0.0	33.2



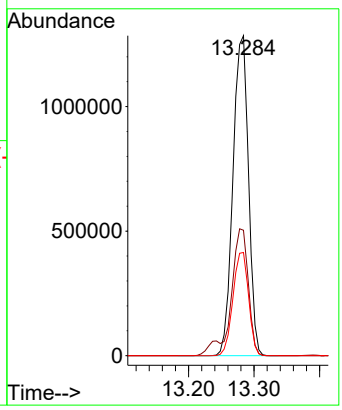


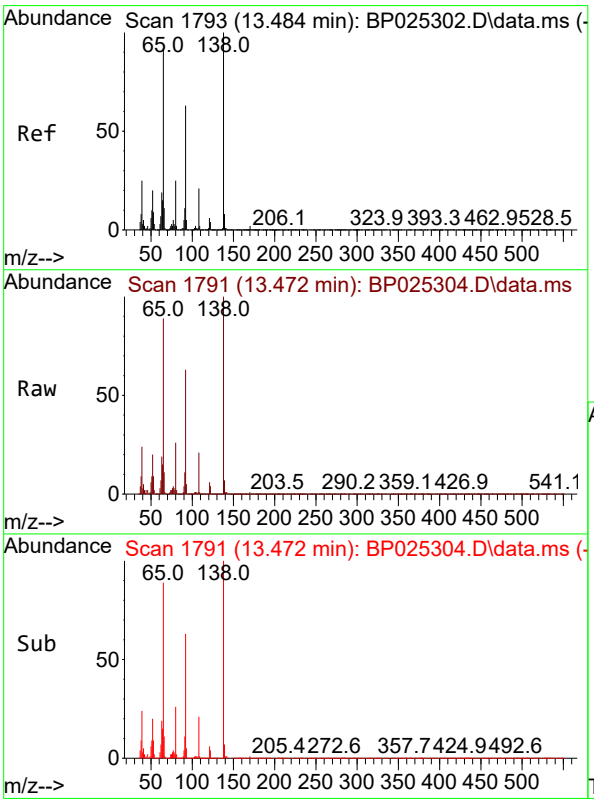
#47
2-Chloronaphthalene
Concen: 59.994 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2116700

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.2	48.2
164	32.3	25.9	38.9

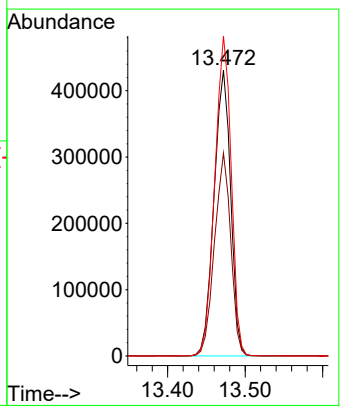


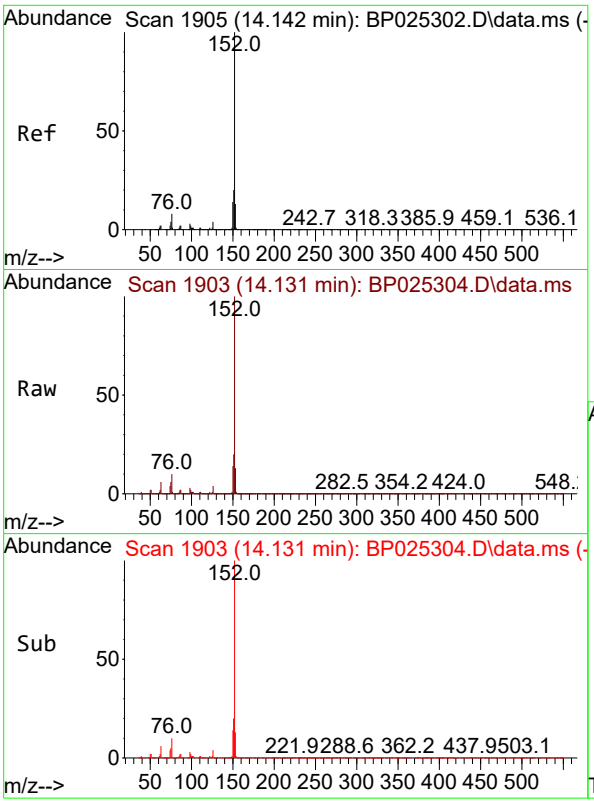


#48
2-Nitroaniline
Concen: 61.286 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 65 Resp: 642446

Ion	Ratio	Lower	Upper
65	100		
92	71.0	54.4	81.6
138	112.0	87.0	130.4



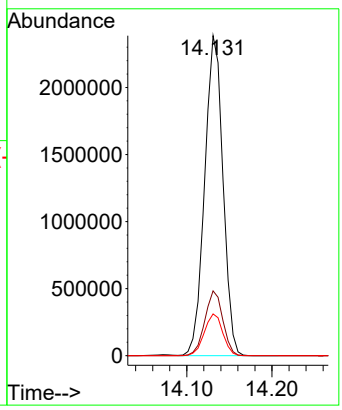


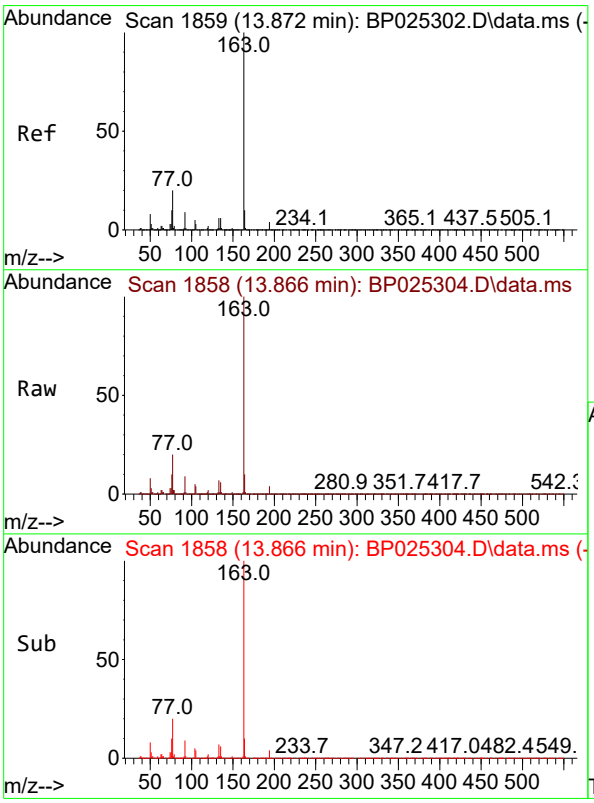
#49
Acenaphthylene
Concen: 60.462 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3558282

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.1	10.4	15.6

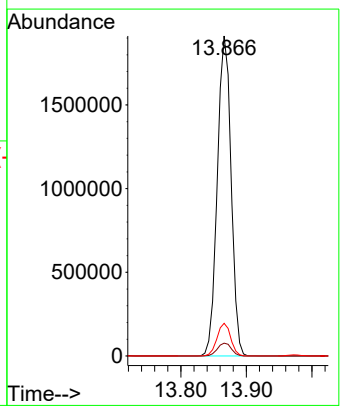


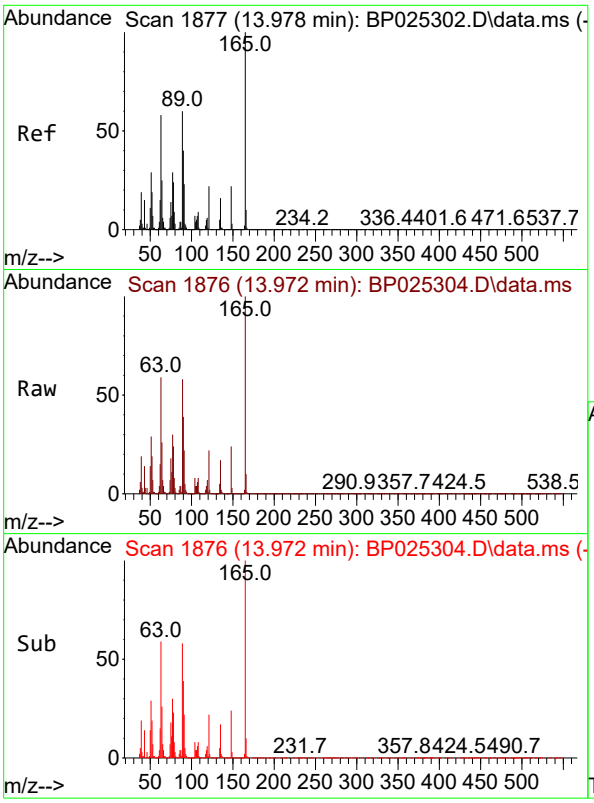


#50
Dimethylphthalate
Concen: 60.663 ng
RT: 13.866 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:163 Resp: 2775097

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.0	12.0



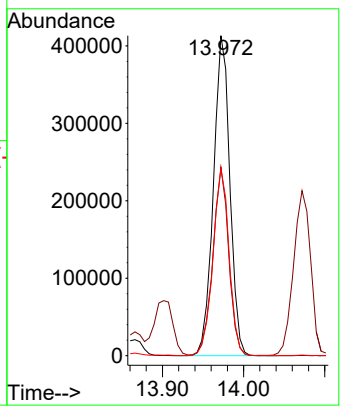


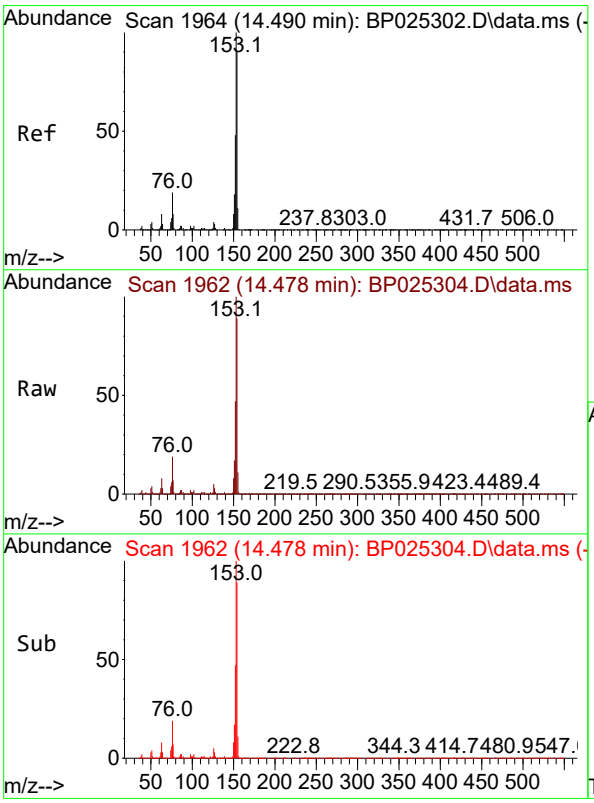
#51
2,6-Dinitrotoluene
Concen: 68.963 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 581905

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.6	71.4
89	58.5	47.8	71.8

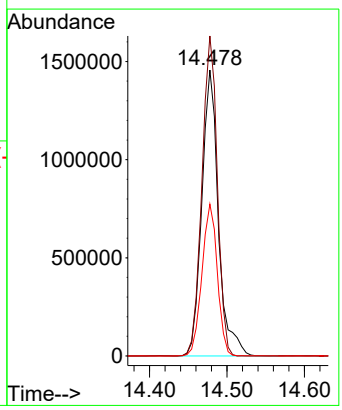


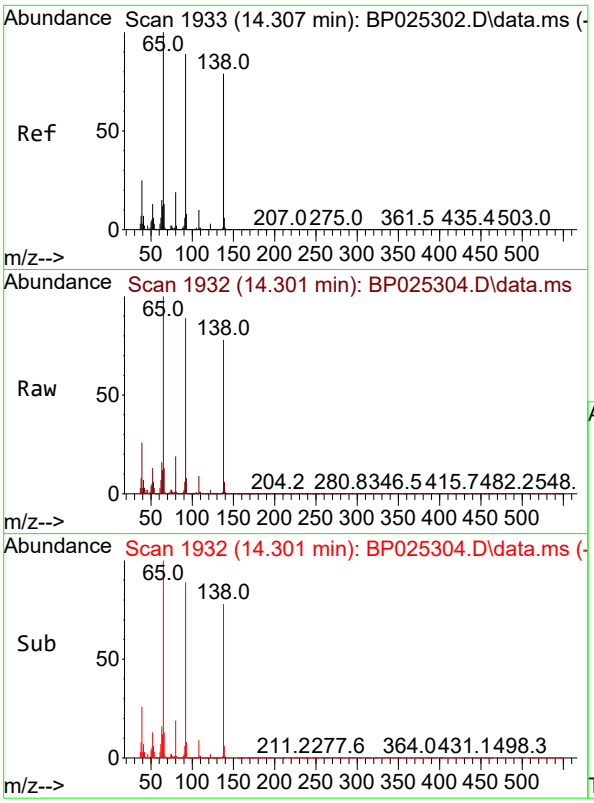


#52
Acenaphthene
Concen: 60.143 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:154 Resp: 2158962

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.4	134.0
152	53.1	43.0	64.6



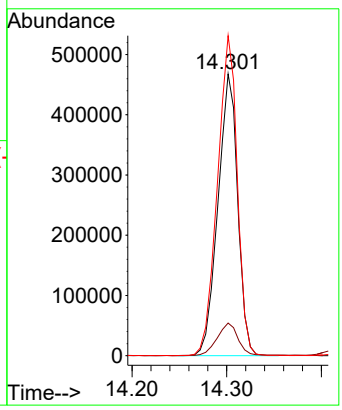


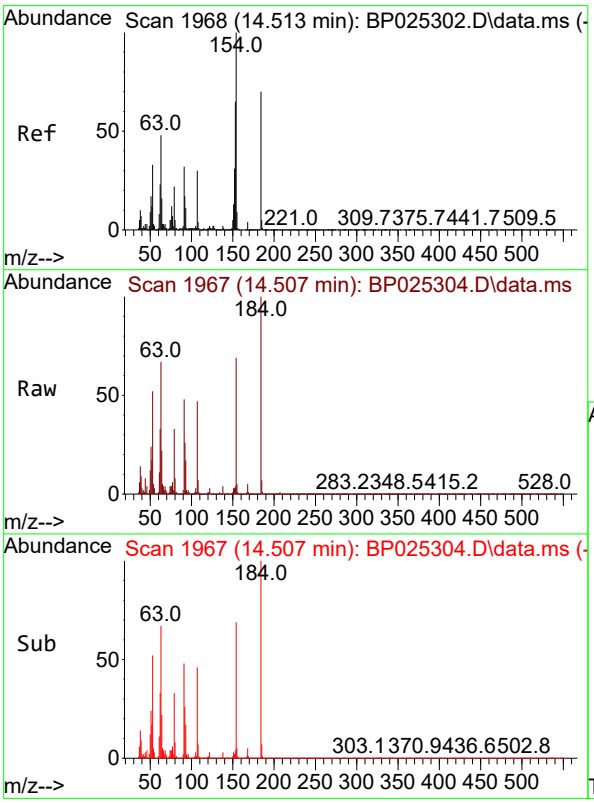
#53
3-Nitroaniline
Concen: 68.579 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 677122

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.5	15.7
92	113.6	90.9	136.3

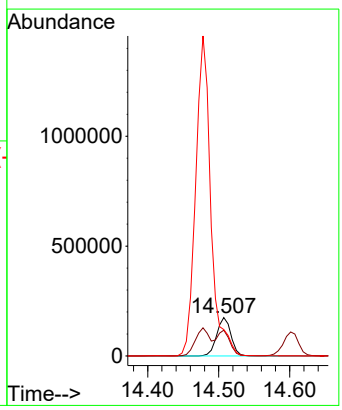


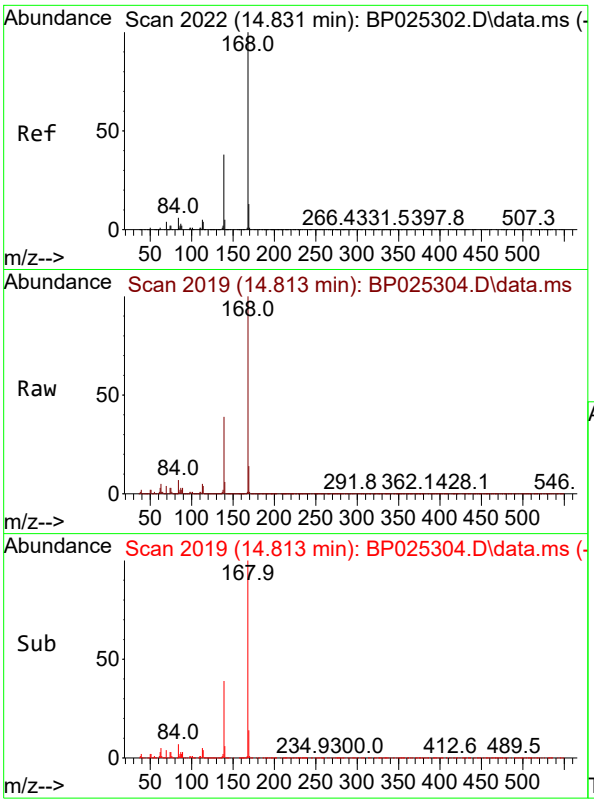


#54
2,4-Dinitrophenol
Concen: 60.748 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:184 Resp: 242217

Ion	Ratio	Lower	Upper
184	100		
63	67.0	56.3	84.5
154	68.8	124.5	186.7#



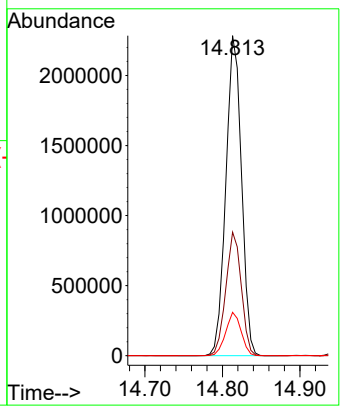


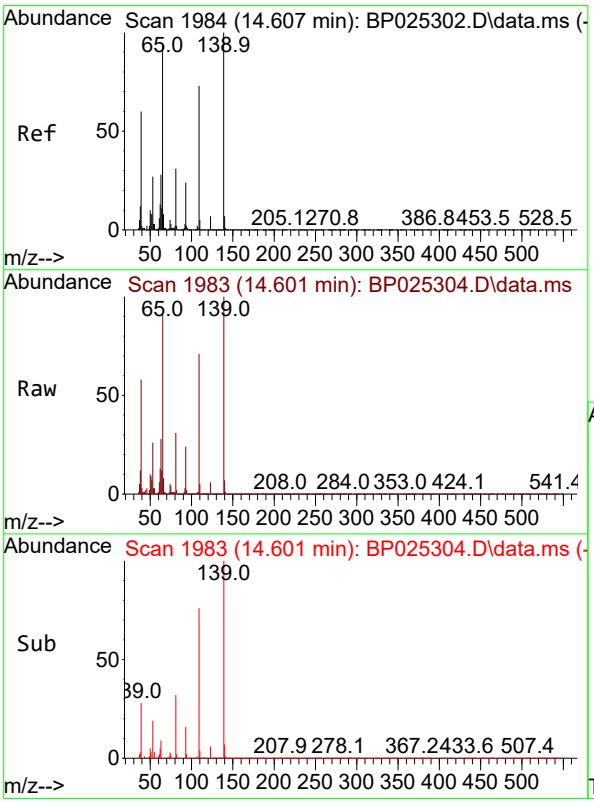
#55
Dibenzofuran
Concen: 59.657 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3200254

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.5	45.7
169	13.5	10.6	15.8

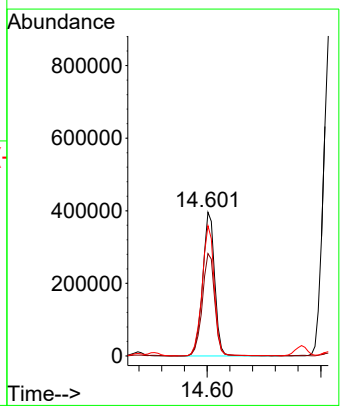


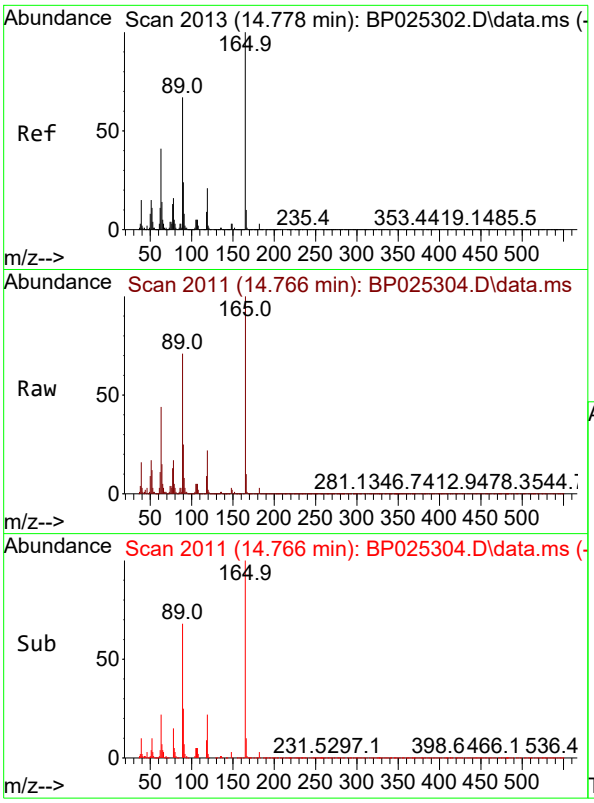


#56
4-Nitrophenol
Concen: 66.536 ng
RT: 14.601 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:139 Resp: 579797

Ion	Ratio	Lower	Upper
139	100		
109	71.3	52.7	92.7
65	90.7	73.4	113.4



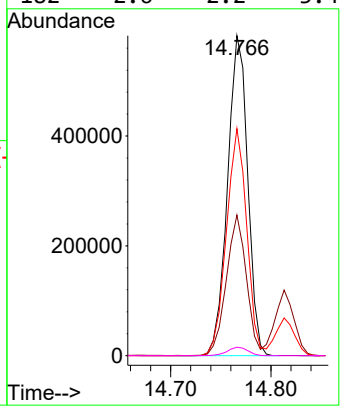


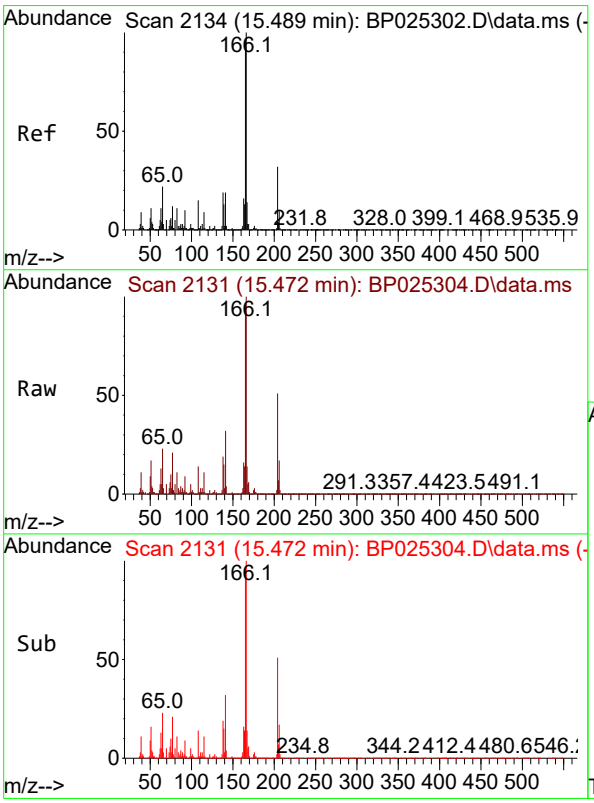
#57
2,4-Dinitrotoluene
Concen: 61.234 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 813557

Ion	Ratio	Lower	Upper
165	100		
63	44.0	33.2	49.8
89	71.0	53.5	80.3
182	2.6	2.2	3.4

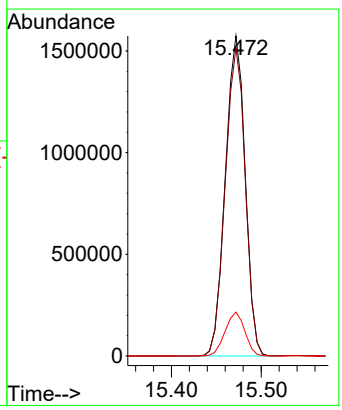


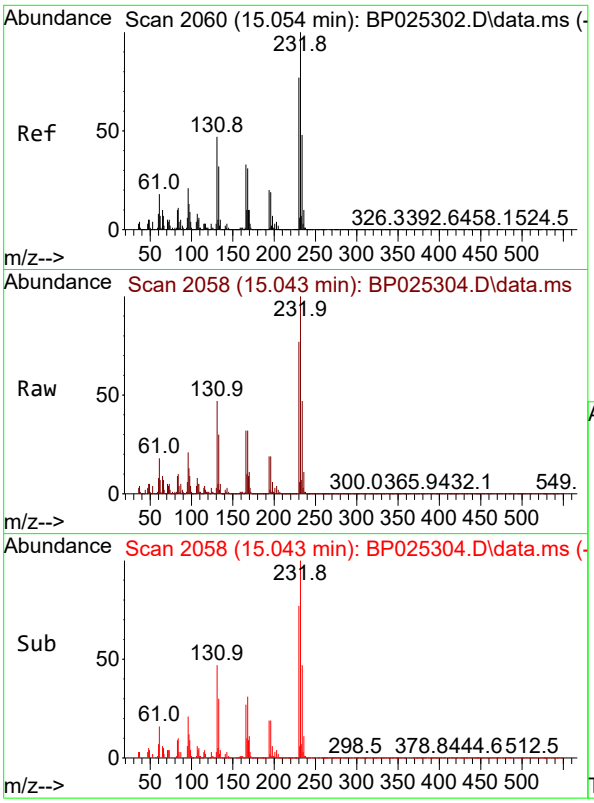


#58
Fluorene
Concen: 57.390 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:166 Resp: 2418012

Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.7	115.1
167	13.7	10.9	16.3



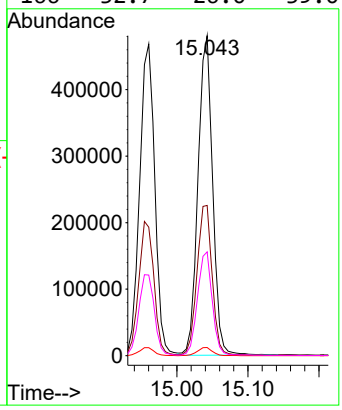


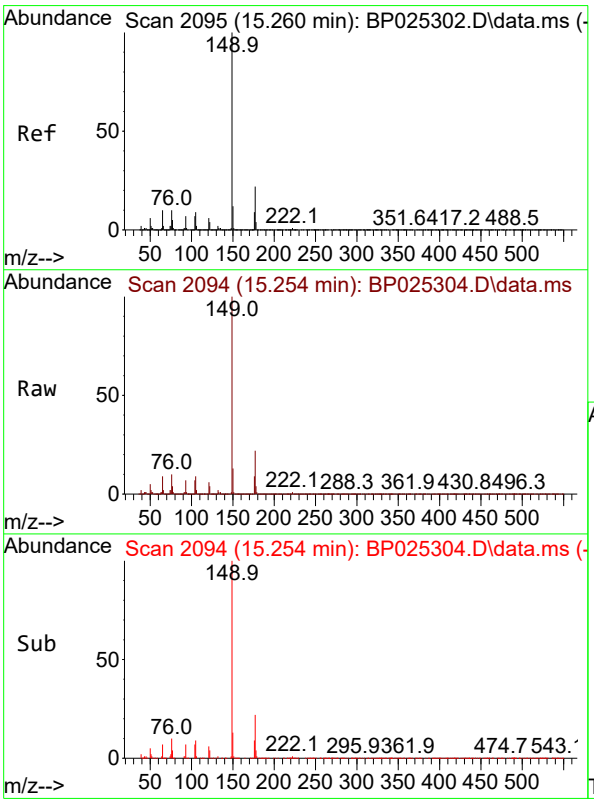
#59
2,3,4,6-Tetrachlorophenol
Concen: 66.118 ng
RT: 15.043 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 689750

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0

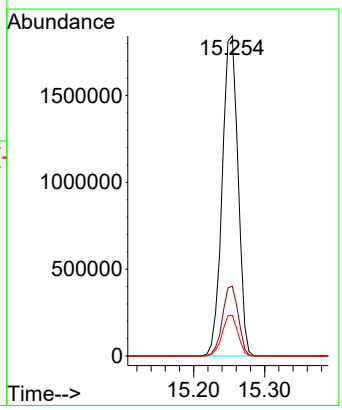


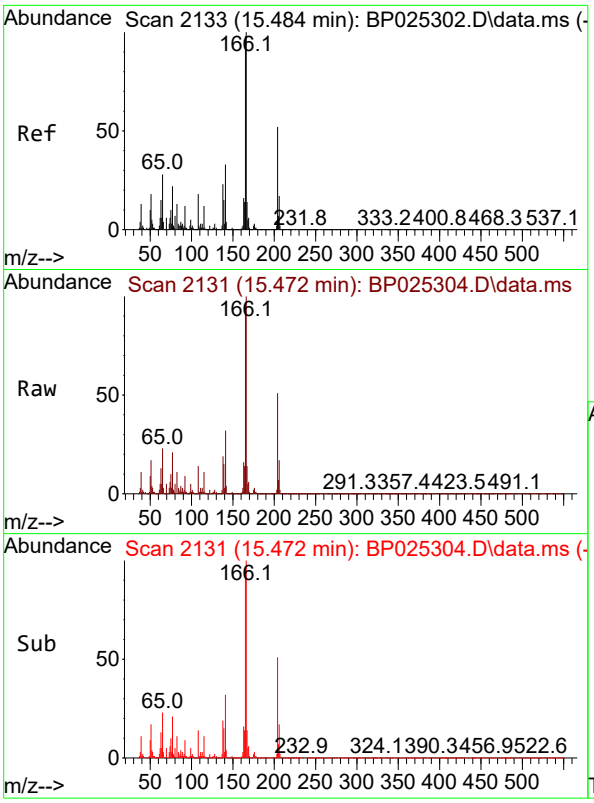


#60
Diethylphthalate
Concen: 61.567 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 2839454

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.7	9.8	14.8



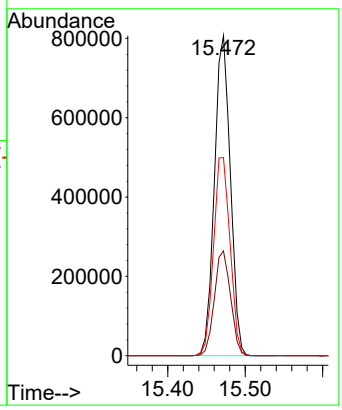


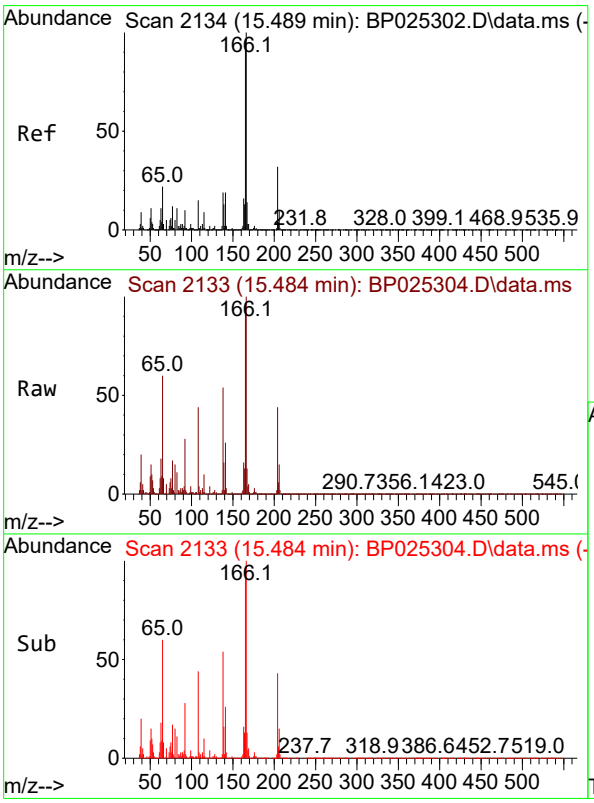
#61
4-Chlorophenyl-phenylether
Concen: 57.895 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1156422

Ion	Ratio	Lower	Upper
204	100		
206	32.8	27.0	40.4
141	61.9	50.3	75.5

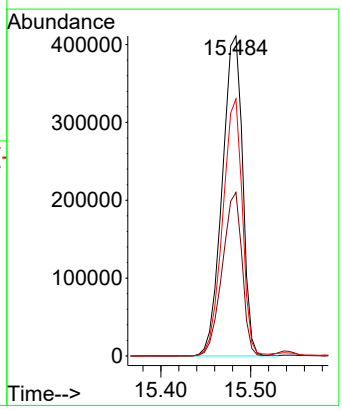


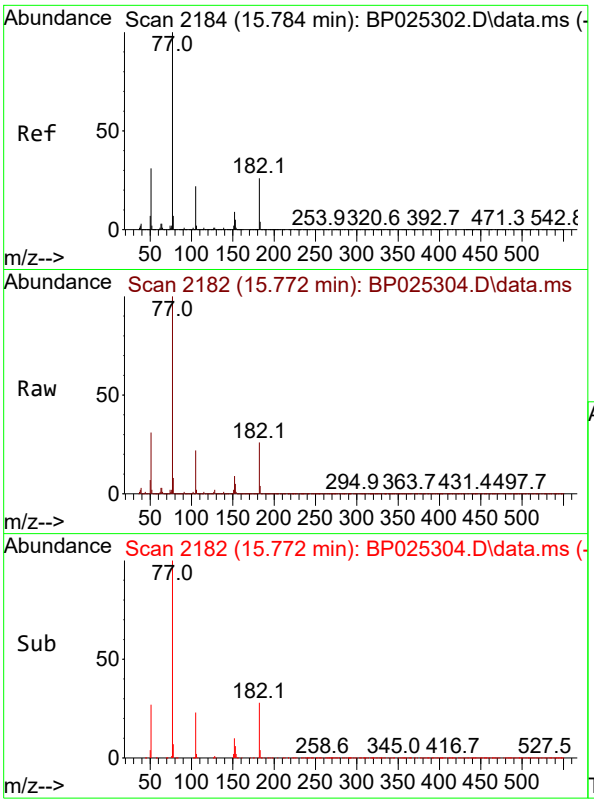


#62
4-Nitroaniline
Concen: 66.228 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:138 Resp: 647932

Ion	Ratio	Lower	Upper
138	100		
92	51.1	29.8	69.8
108	80.3	56.6	96.6



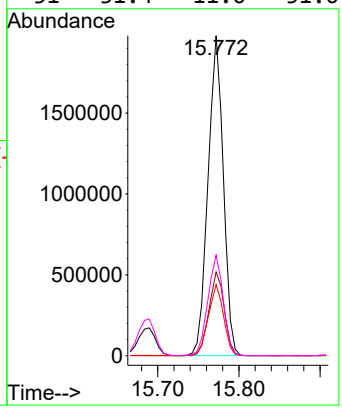


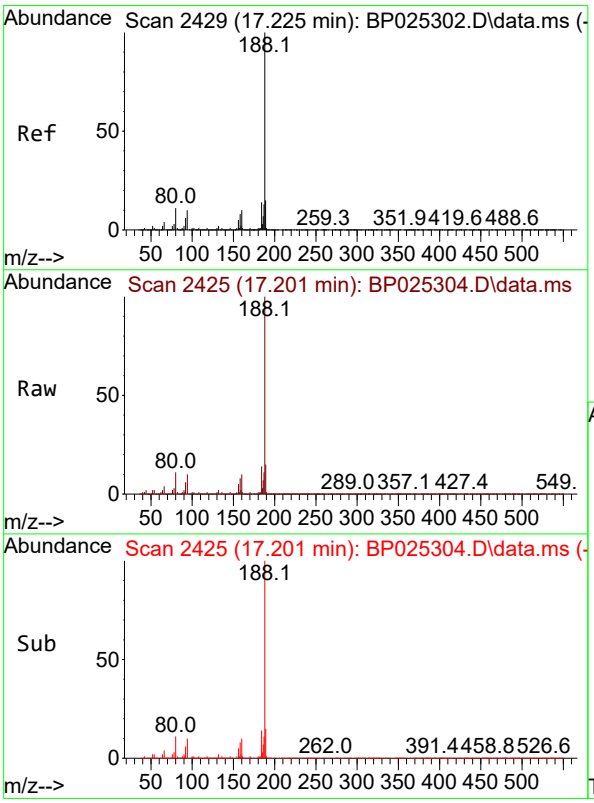
#63
Azobenzene
Concen: 60.449 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2589928

Ion	Ratio	Lower	Upper
77	100		
182	26.1	6.0	46.0
105	22.2	2.1	42.1
51	31.4	11.0	51.0

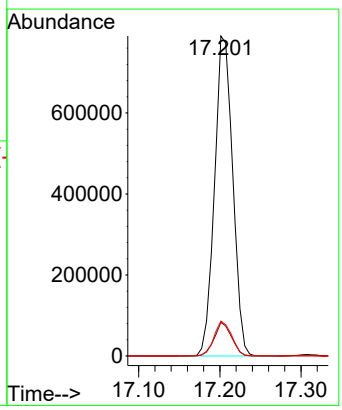


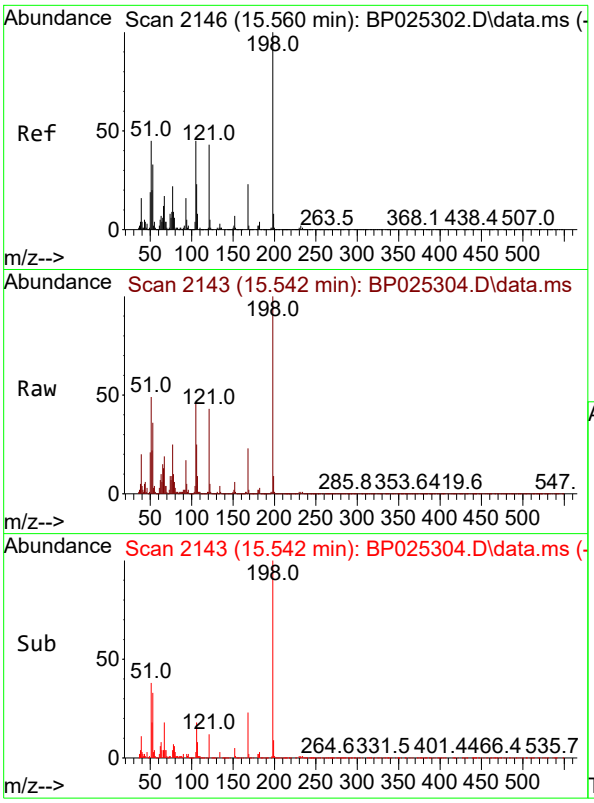


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:188 Resp: 1230027

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	10.9	8.5	12.7



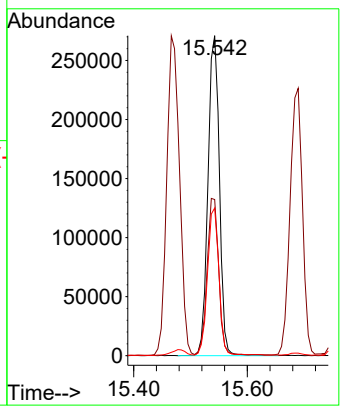


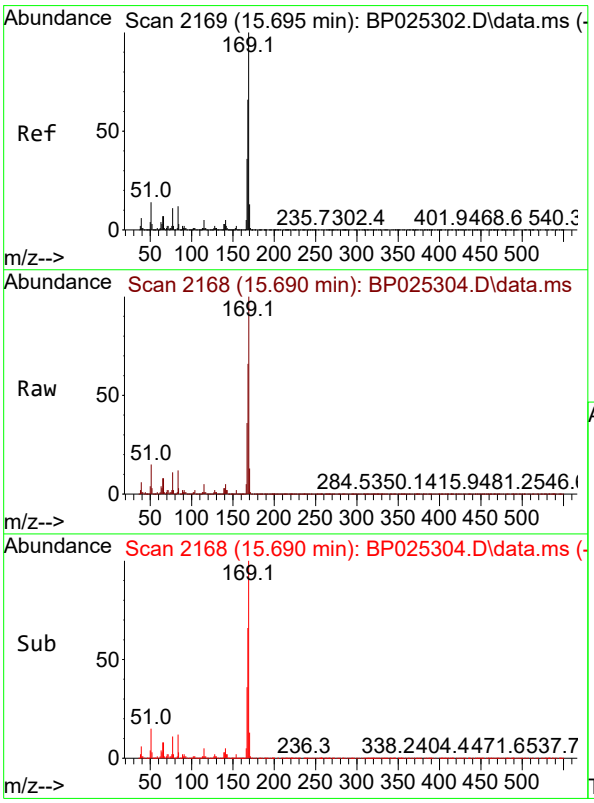
#65
4,6-Dinitro-2-methylphenol
Concen: 62.146 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 375536

Ion	Ratio	Lower	Upper
198	100		
51	48.8	26.7	66.7
105	46.2	25.6	65.6

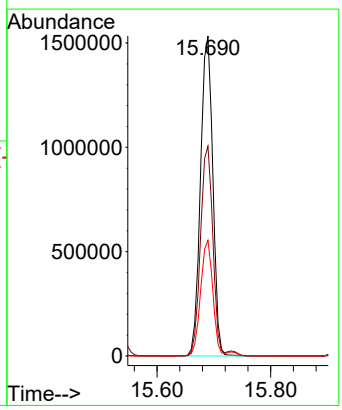


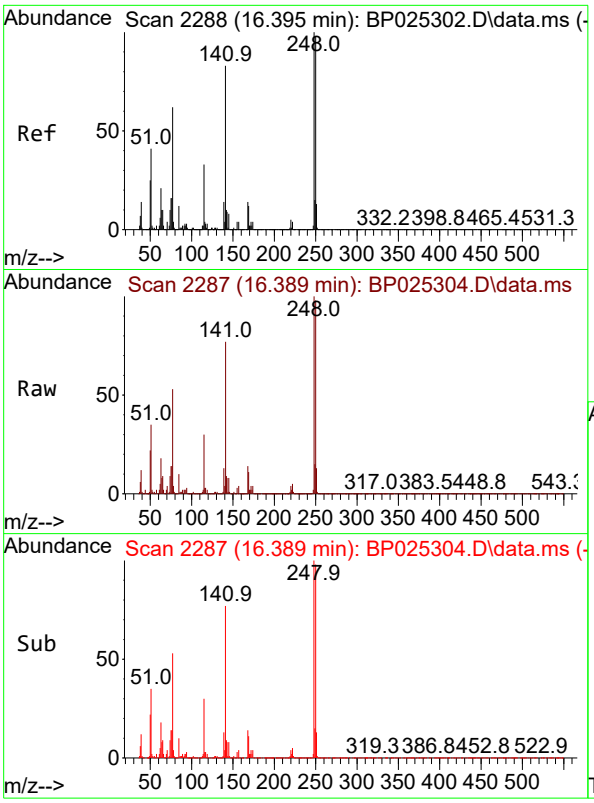


#66
n-Nitrosodiphenylamine
Concen: 61.440 ng
RT: 15.690 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:169 Resp: 2301050

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.8	79.2
167	36.2	28.5	42.7



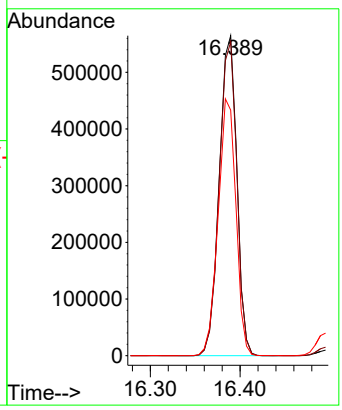


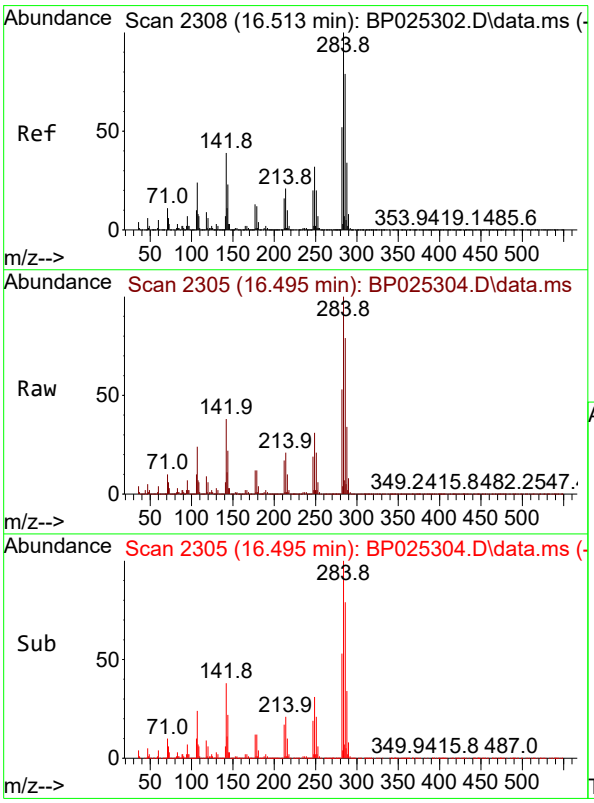
#67
4-Bromophenyl-phenylether
Concen: 62.130 ng
RT: 16.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 768935

Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.6	117.8
141	76.8	66.6	99.8

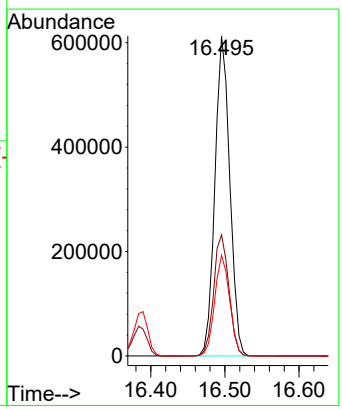


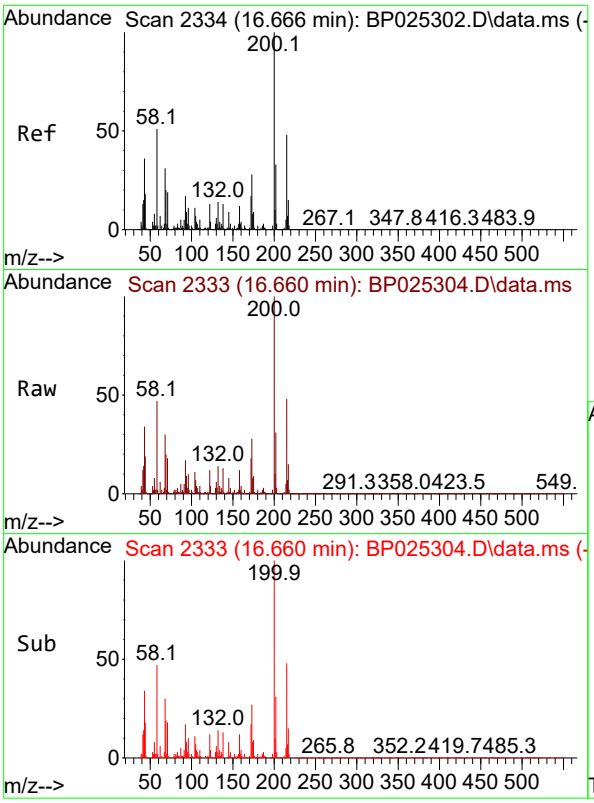


#68
Hexachlorobenzene
Concen: 61.343 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:284 Resp: 851862

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.8	46.2
249	31.4	25.4	38.0



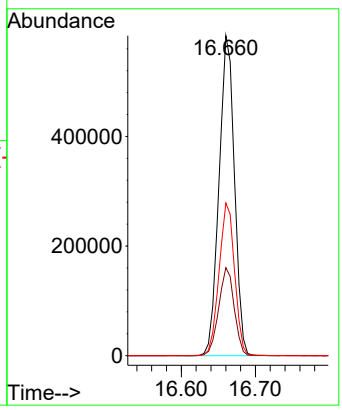


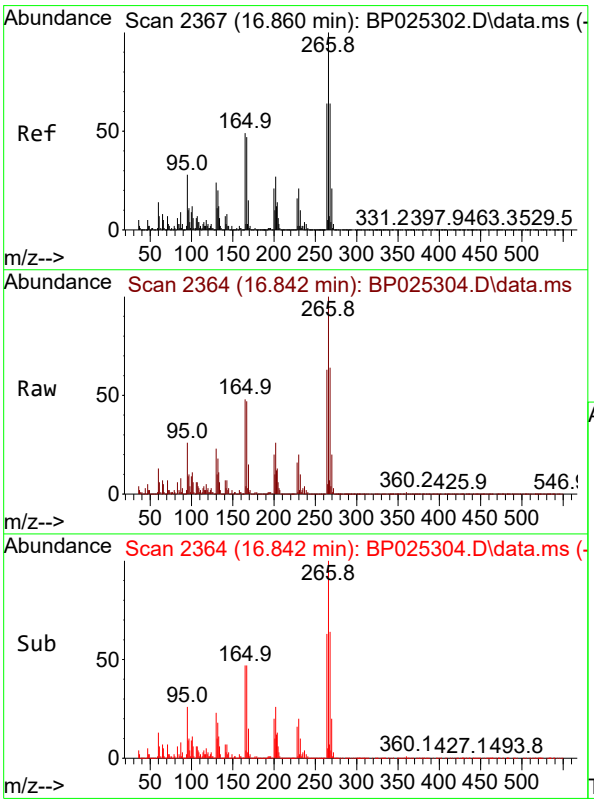
#69
Atrazine
Concen: 64.112 ng
RT: 16.660 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 844409

Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.2	48.2
215	47.7	28.1	68.1

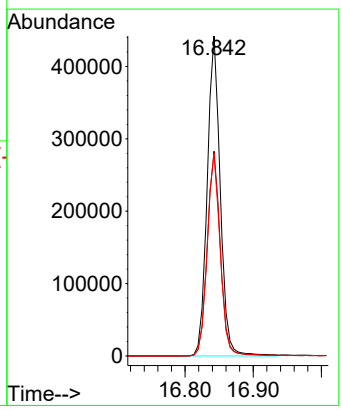


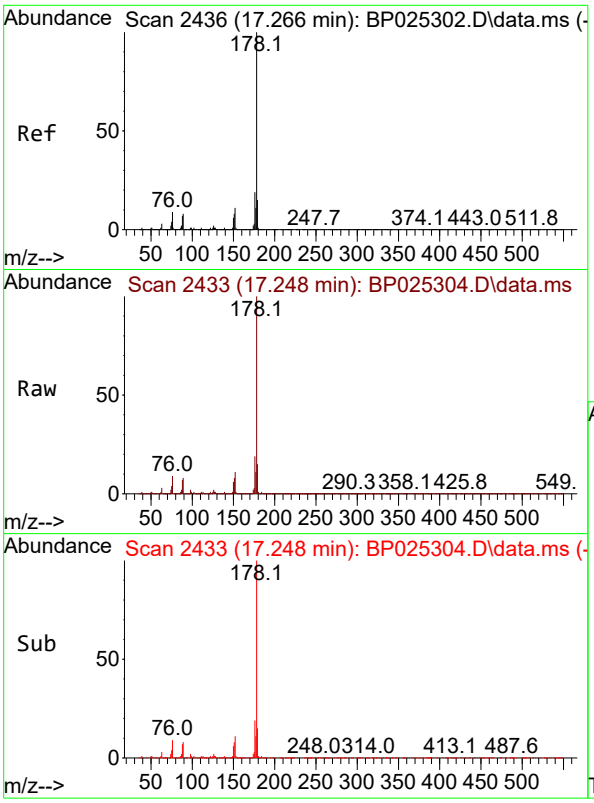


#70
Pentachlorophenol
Concen: 66.613 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:266 Resp: 589352

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.0
264	63.3	51.1	76.7



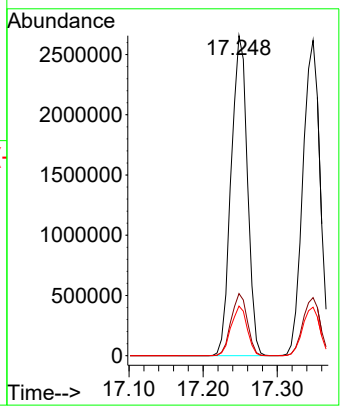


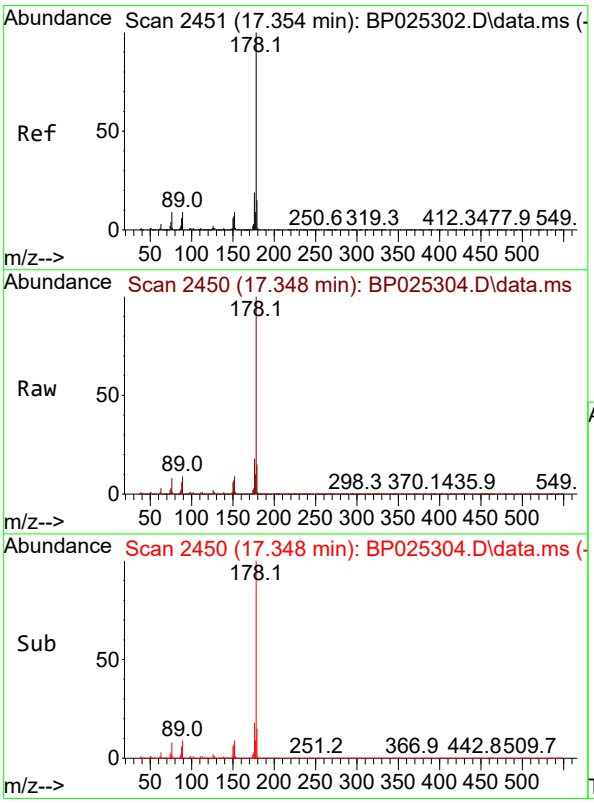
#71
Phenanthrene
Concen: 60.079 ng
RT: 17.248 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4047515

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.1	18.1

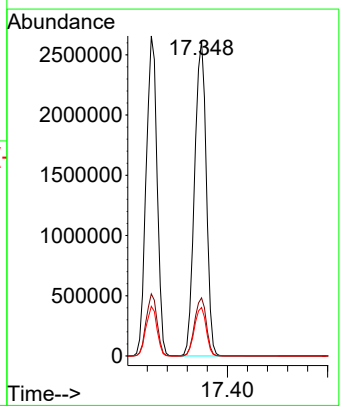


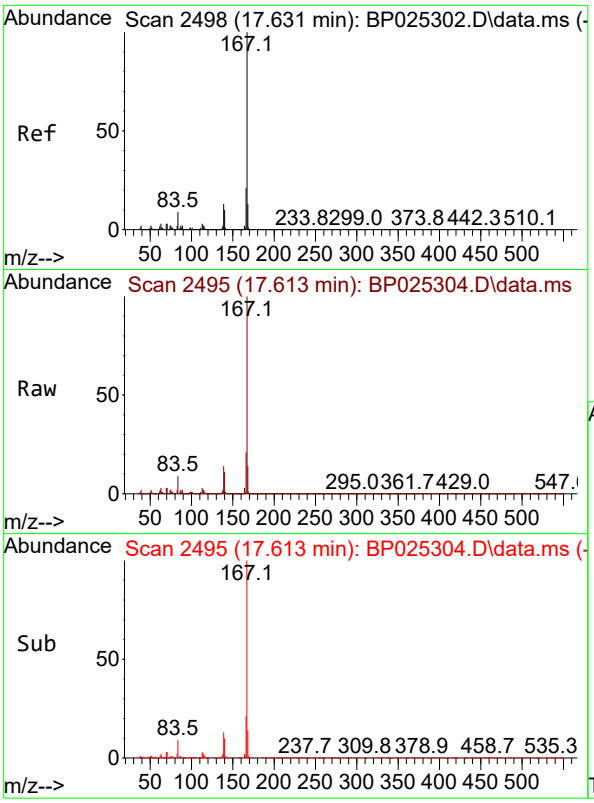


#72
Anthracene
Concen: 62.075 ng
RT: 17.348 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:178 Resp: 4216676

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.4	12.3	18.5



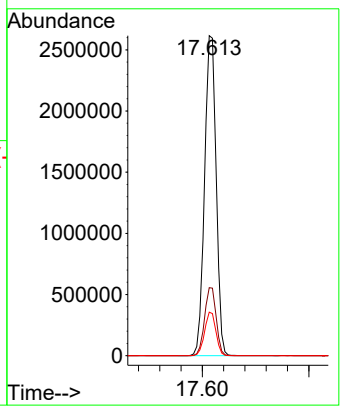


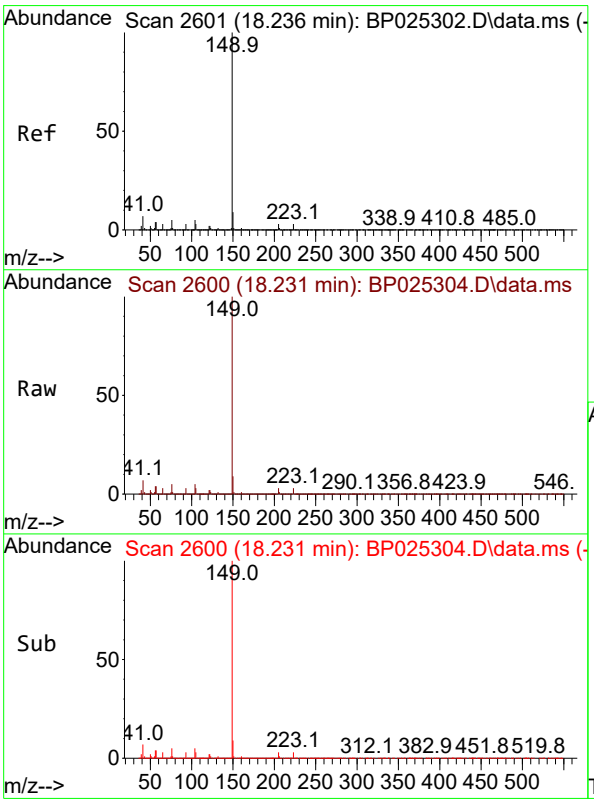
#73
Carbazole
Concen: 60.358 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3935735

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.6	10.6	16.0

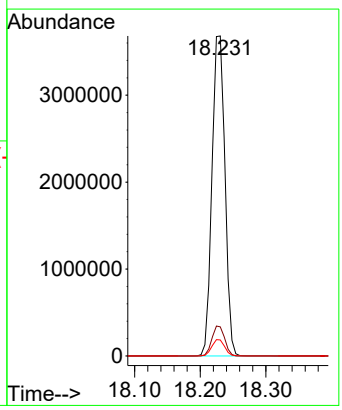


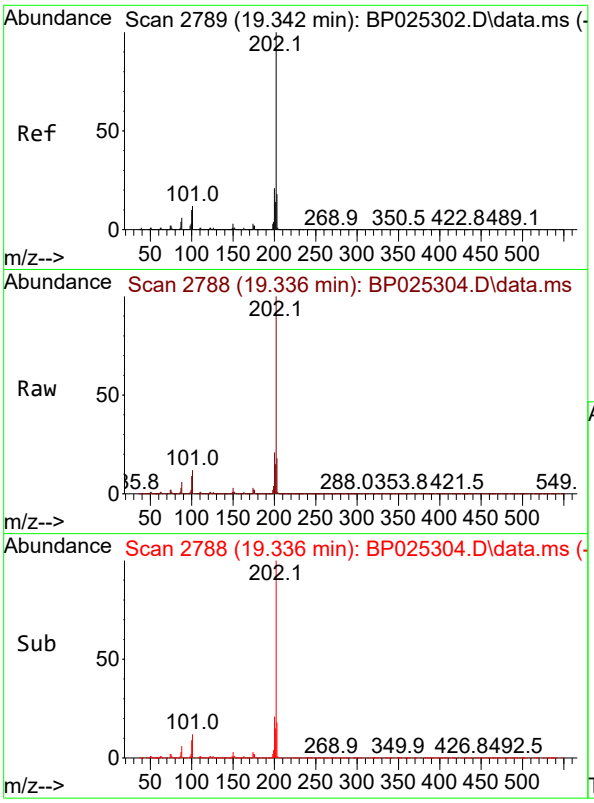


#74
Di-n-butylphthalate
Concen: 64.043 ng
RT: 18.231 min Scan# 2600
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 5052062

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.0	4.1	6.1



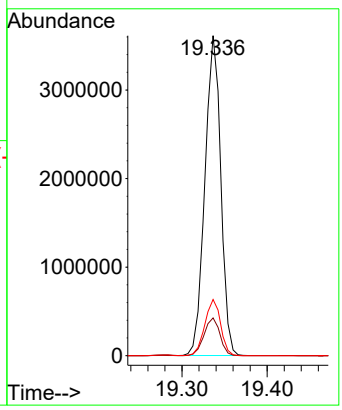


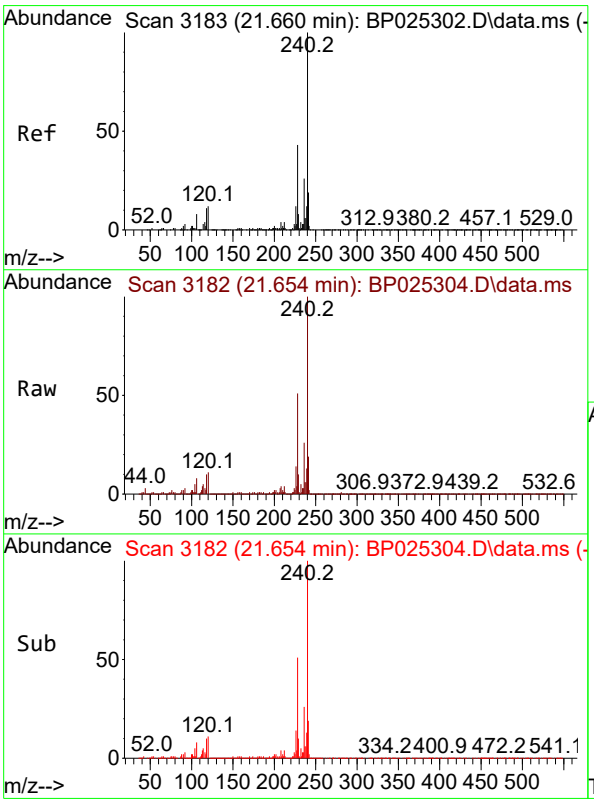
#75
Fluoranthene
Concen: 59.989 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4678502

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.5
203	17.6	0.0	37.6

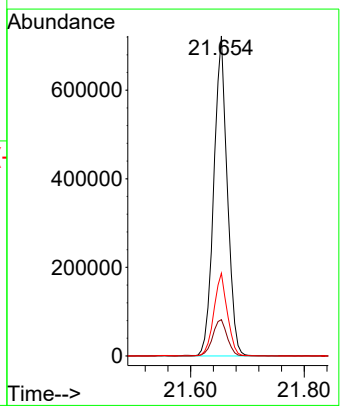


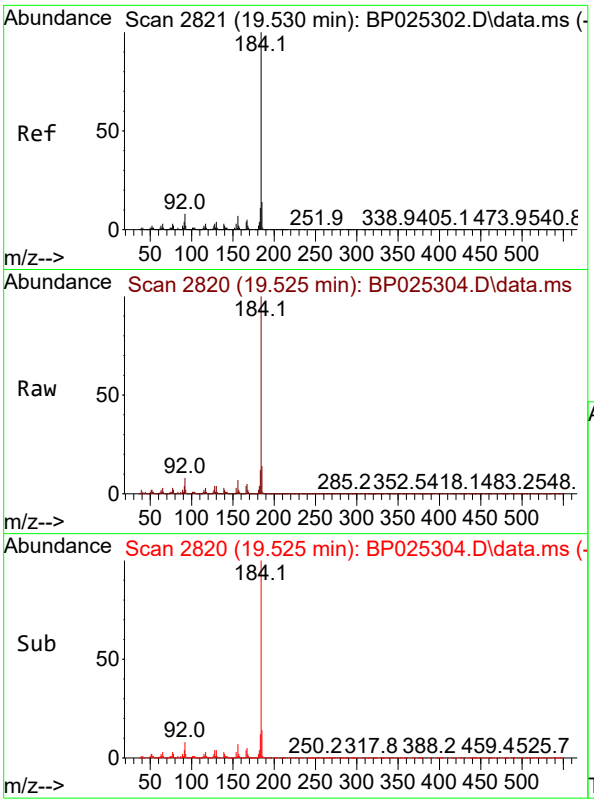


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:240 Resp: 1185485

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	25.9	20.4	30.6



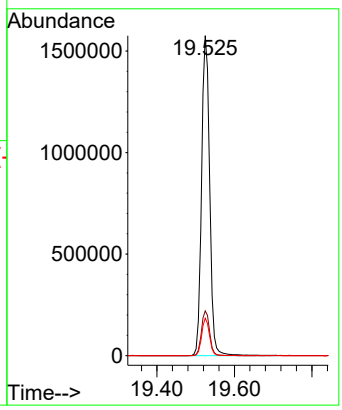


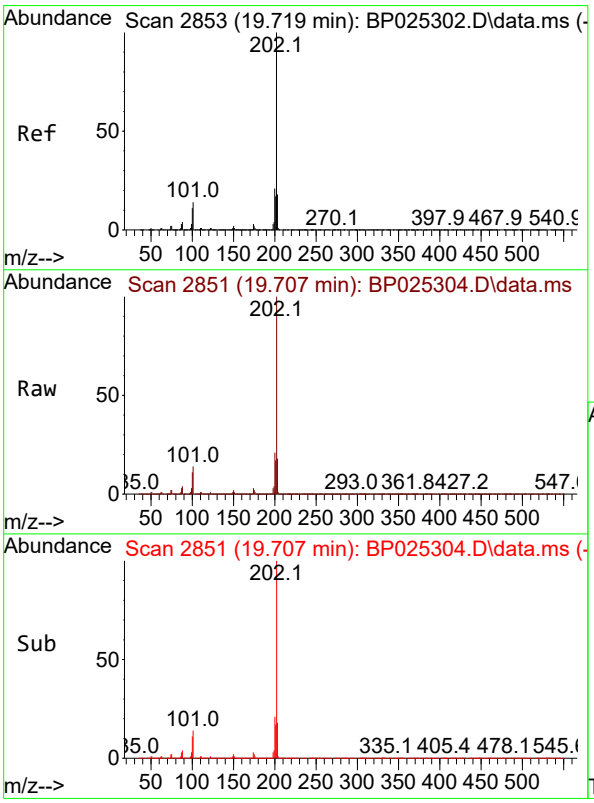
#77
Benzidine
Concen: 53.219 ng
RT: 19.525 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2283507

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.0	16.6
183	11.7	9.2	13.8

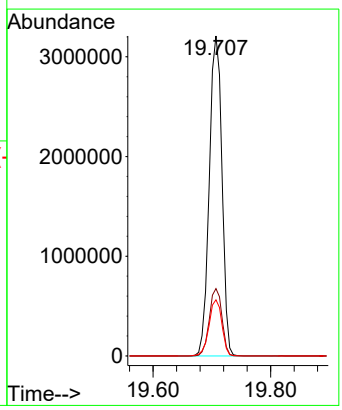


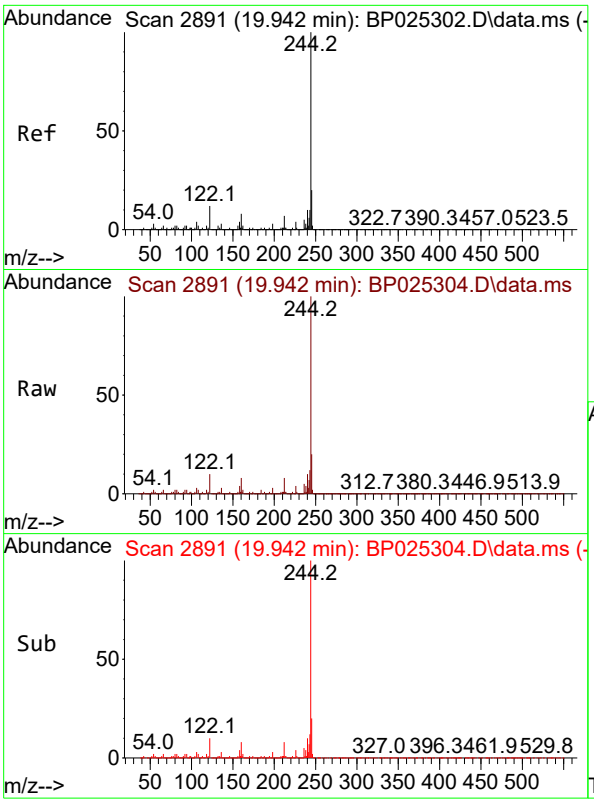


#78
Pyrene
Concen: 60.822 ng
RT: 19.707 min Scan# 2851
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:202 Resp: 4794722

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.1	21.1



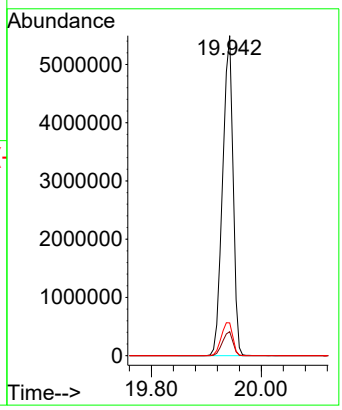


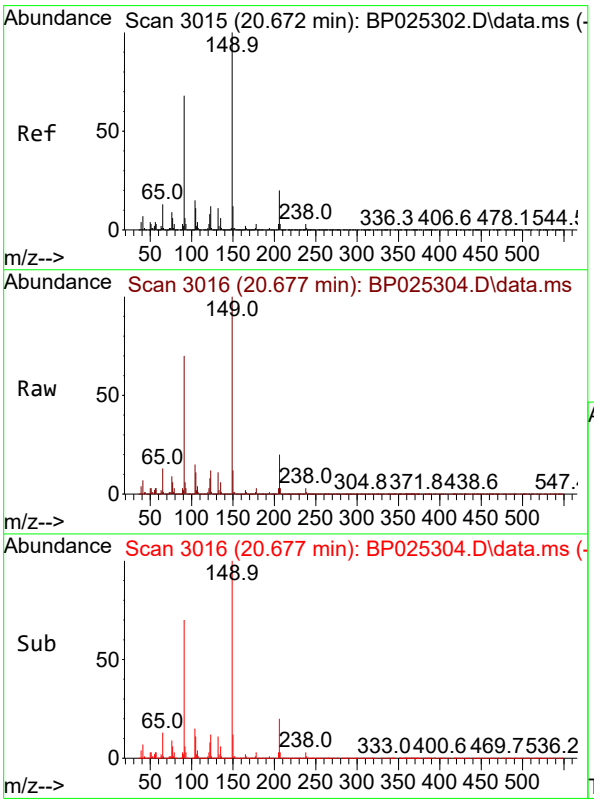
#79
Terphenyl-d14
Concen: 115.259 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 7232677

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	10.3	9.5	14.3

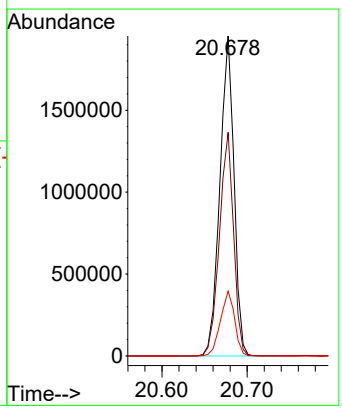


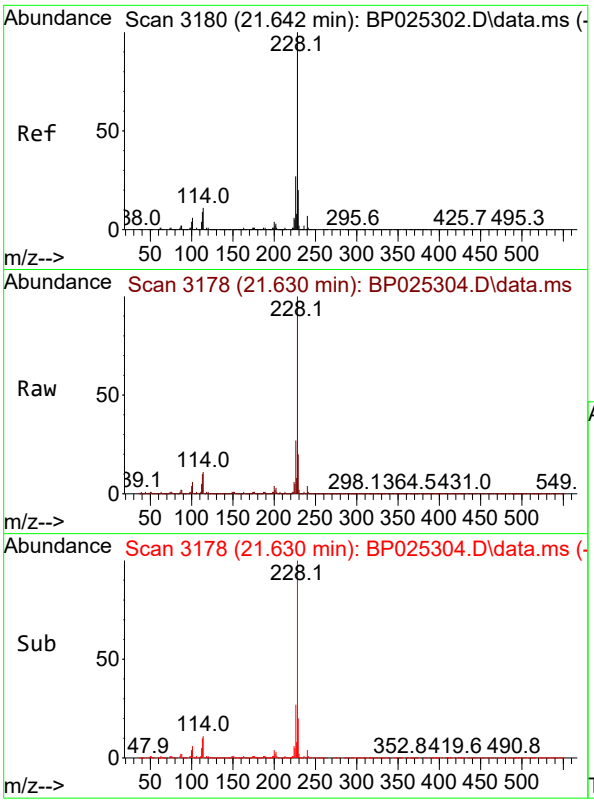


#80
Butylbenzylphthalate
Concen: 70.246 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 2245879

Ion	Ratio	Lower	Upper
149	100		
91	69.9	54.7	82.1
206	20.3	16.4	24.6



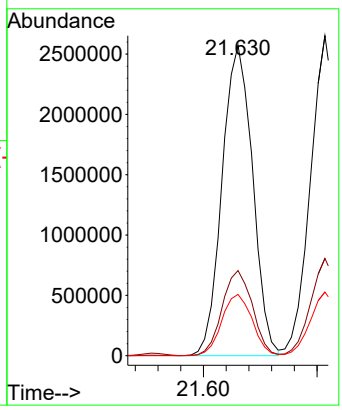


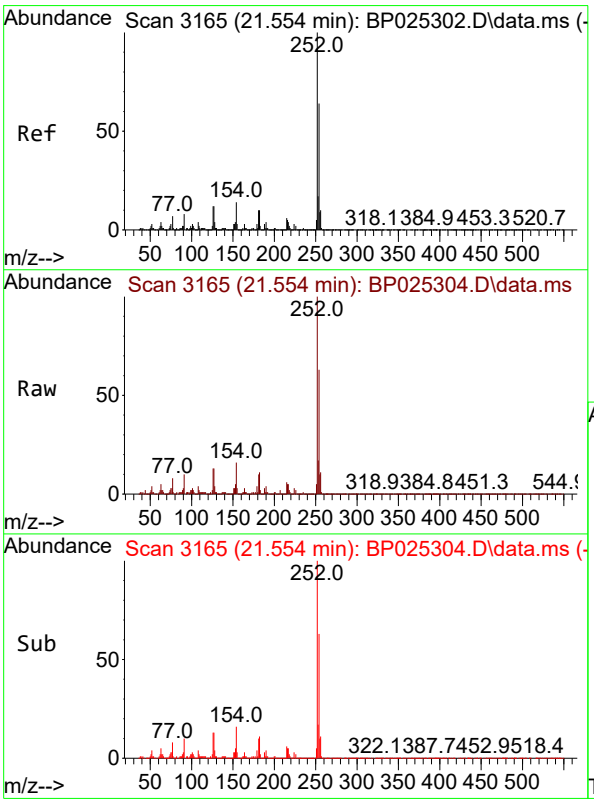
#81
Benzo(a)anthracene
Concen: 60.895 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4797252

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	16.0	24.0

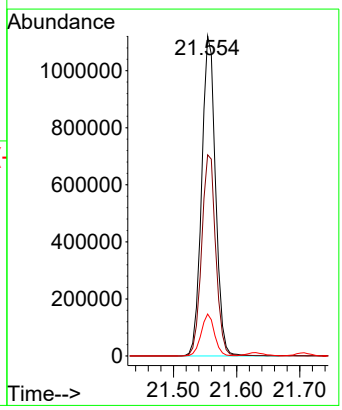


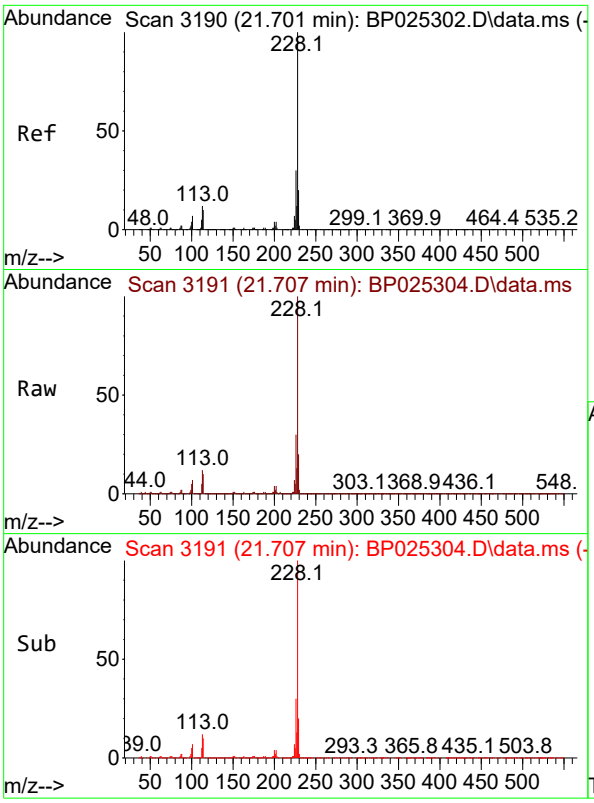


#82
3,3'-Dichlorobenzidine
Concen: 61.593 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 1711974

Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.0	76.6
126	13.1	9.4	14.2



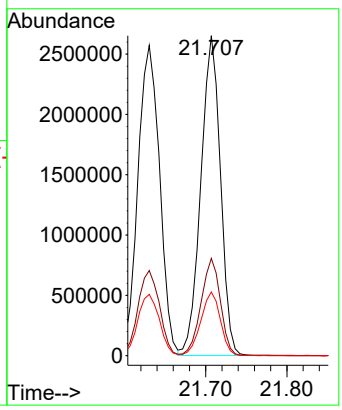


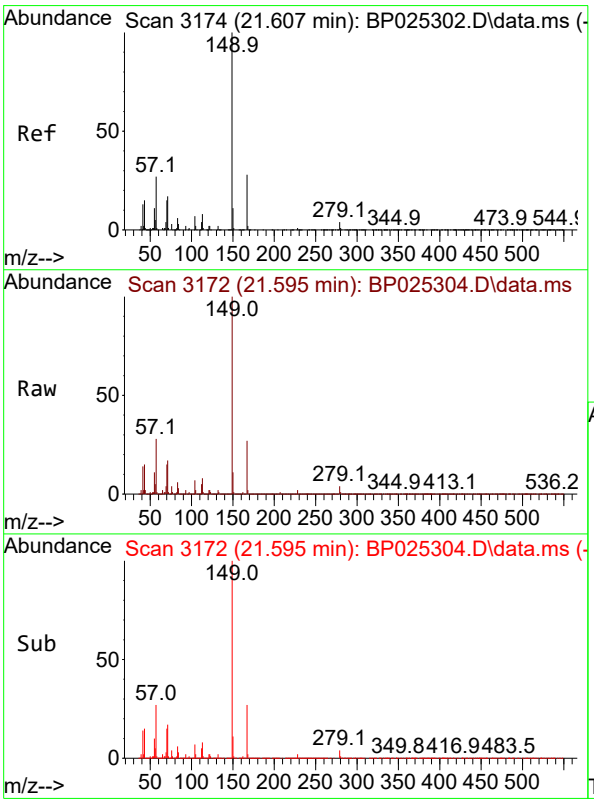
#83
Chrysene
Concen: 60.859 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4446807

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.9	23.9

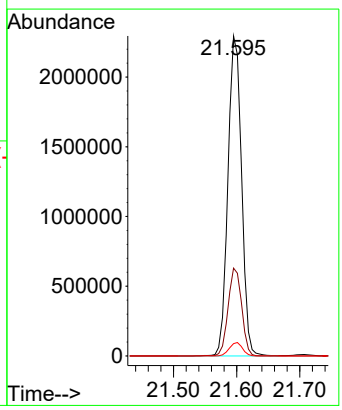


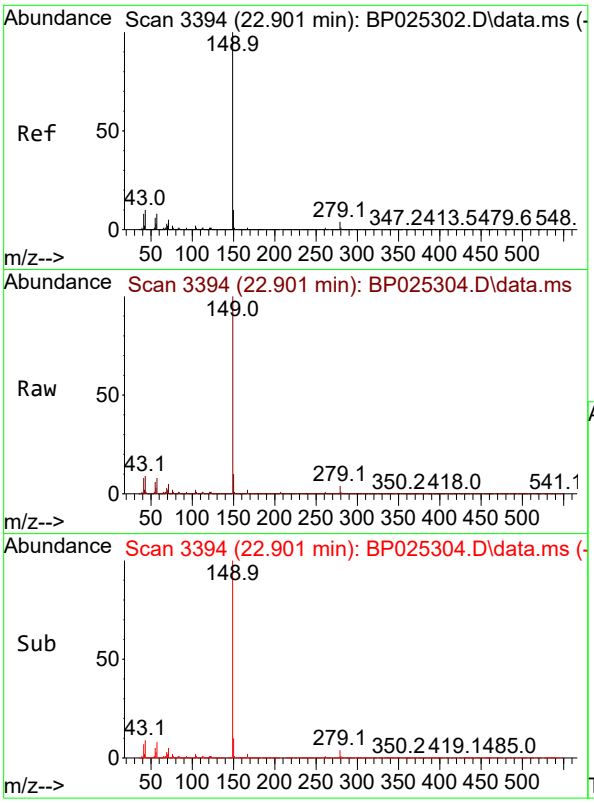


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.236 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 3432511

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	3.9	3.4	5.2



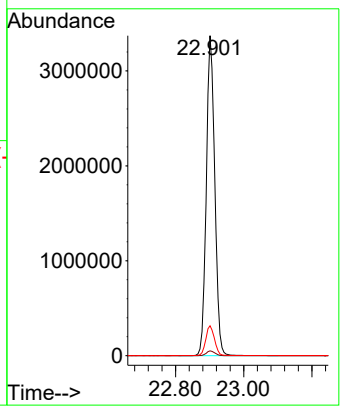


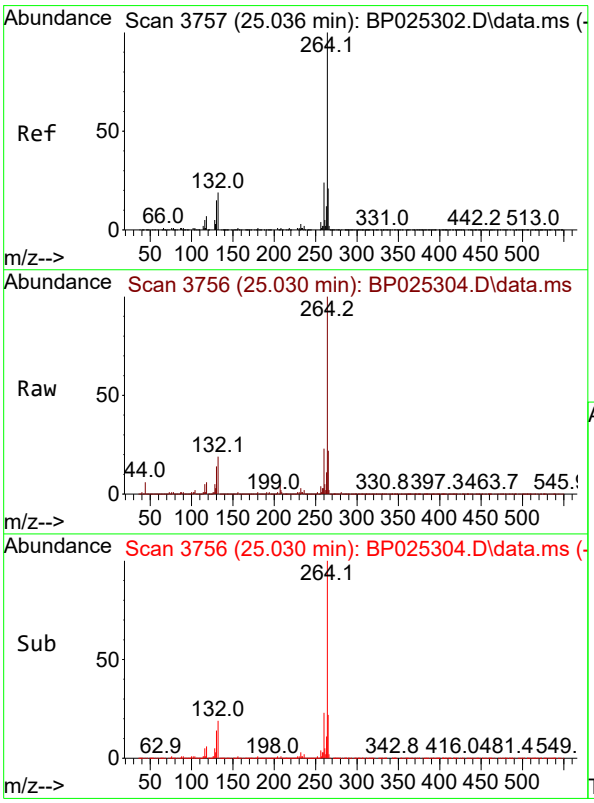
#85
Di-n-octyl phthalate
Concen: 67.988 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 5809639

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.6	7.9	11.9

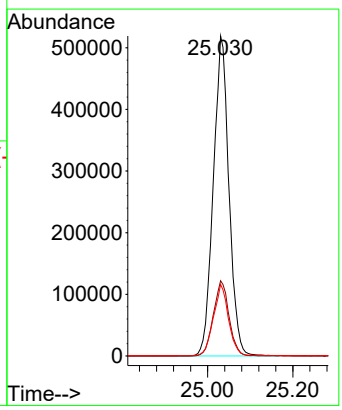


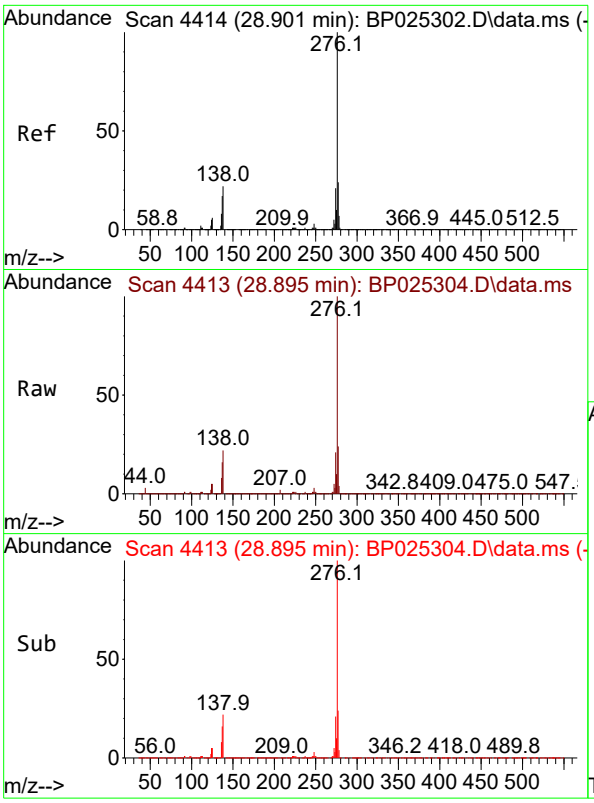


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:264 Resp: 1319773

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.1	25.7



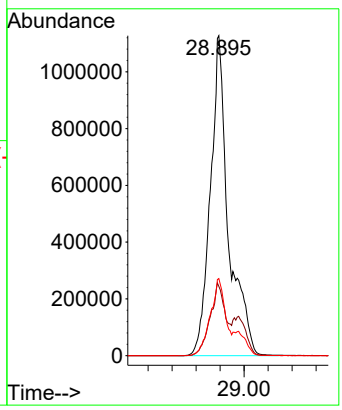


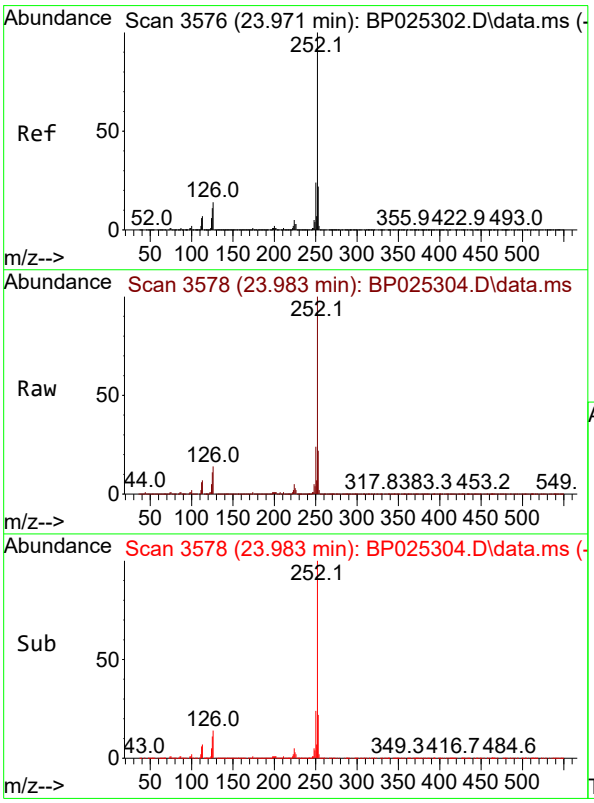
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.446 ng
RT: 28.895 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 5916006

Ion	Ratio	Lower	Upper
276	100		
138	19.7	14.6	22.0
277	20.0	16.8	25.2

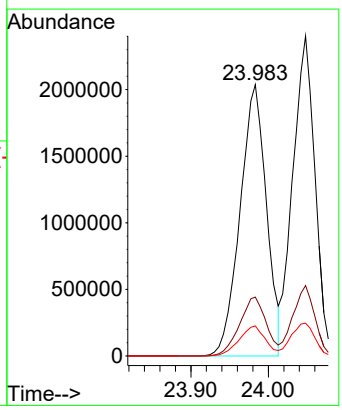


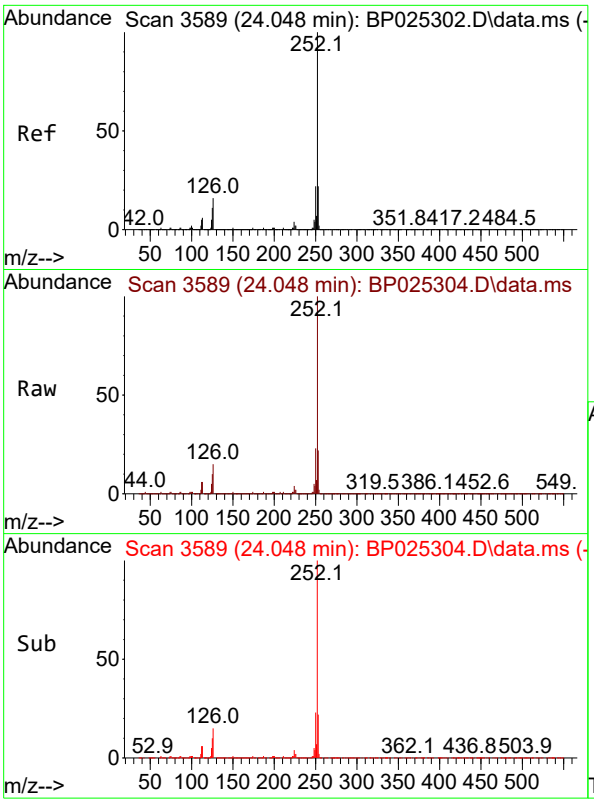


#88
Benzo(b)fluoranthene
Concen: 61.005 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 4819606

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.5	12.7



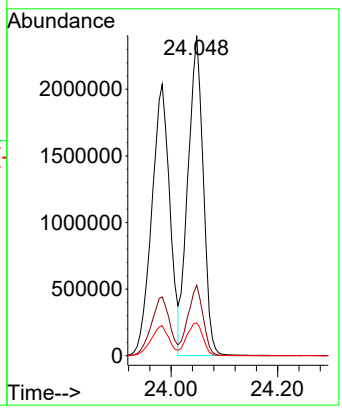


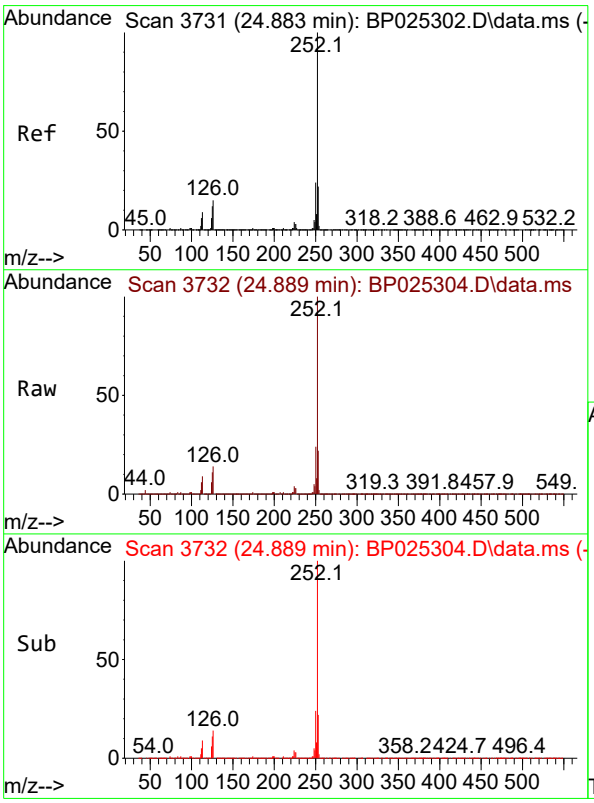
#89
Benzo(k)fluoranthene
Concen: 61.158 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 4789778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.2	8.5	12.7

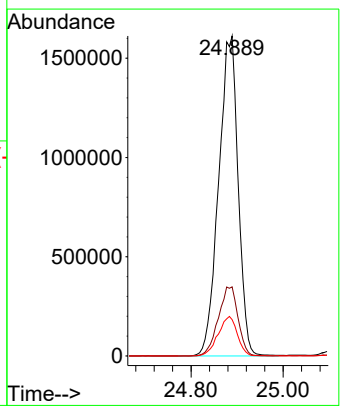


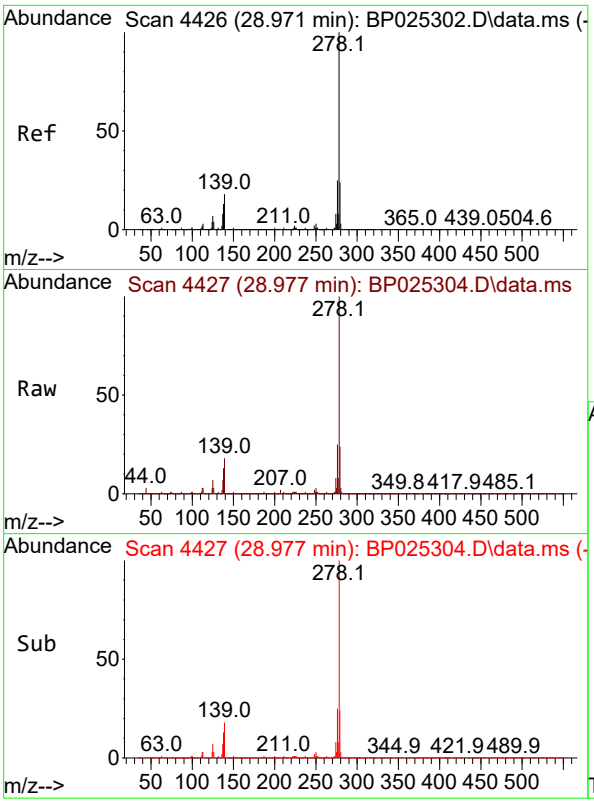


#90
Benzo(a)pyrene
Concen: 61.936 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 4712258

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.4	9.4	14.0



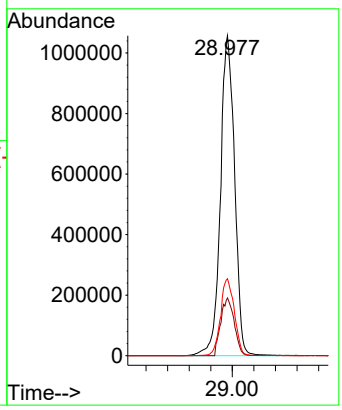


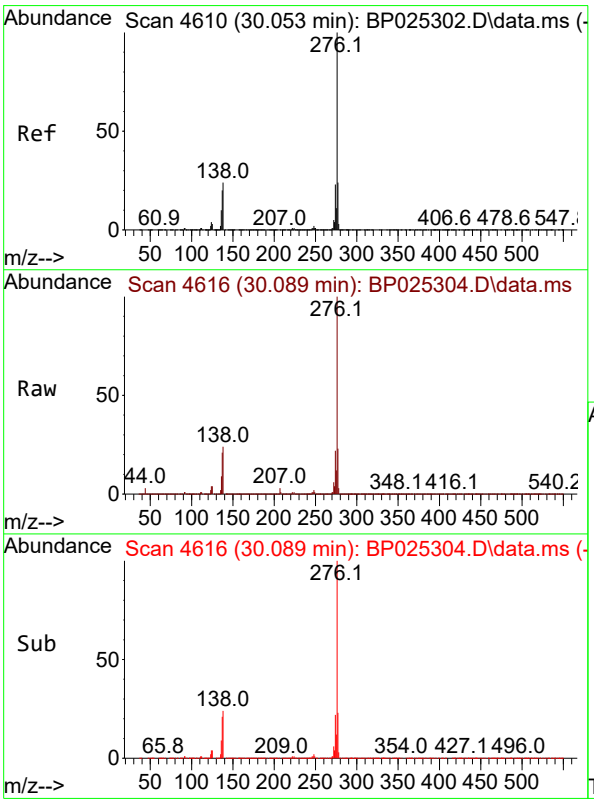
#91
Dibenzo(a,h)anthracene
Concen: 62.298 ng
RT: 28.977 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4826446

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.6	22.0
279	24.0	19.0	28.4

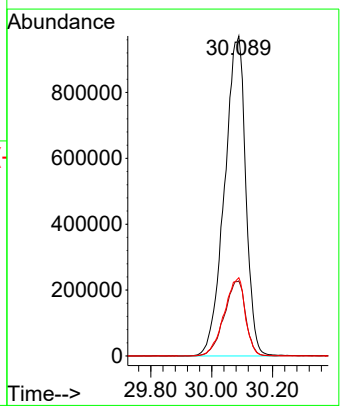




#92
Benzo(g,h,i)perylene
Concen: 61.731 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.036 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:276 Resp: 4694995

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	24.4	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	285381	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1243913	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	769412	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1520824	20.000	ng		0.00
76) Chrysene-d12	21.666	240	1412527	20.000	ng		0.00
86) Perylene-d12	25.048	264	1639865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	2797073	156.621	ng		0.00
7) Phenol-d6	6.972	99	3719514	157.885	ng		0.00
23) Nitrobenzene-d5	8.949	82	3774237	164.165	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	1324517	166.729	ng		0.01
45) 2-Fluorobiphenyl	13.037	172	8021955	144.776	ng		0.00
79) Terphenyl-d14	19.942	244	10705690	143.182	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	525165	75.001	ng		99
3) Pyridine	3.726	79	1537458	79.031	ng		99
4) n-Nitrosodimethylamine	3.637	42	725458	80.324	ng	#	98
6) Aniline	7.137	93	2546940	79.451	ng		99
8) 2-Chlorophenol	7.372	128	1591247	81.930	ng		99
9) Benzaldehyde	6.949	77	972607m	58.640	ng		
10) Phenol	7.002	94	1969060	78.808	ng		99
11) bis(2-Chloroethyl)ether	7.231	93	1515396	77.407	ng		99
12) 1,3-Dichlorobenzene	7.696	146	1676489	76.821	ng		99
13) 1,4-Dichlorobenzene	7.837	146	1694172	76.733	ng		99
14) 1,2-Dichlorobenzene	8.149	146	1649525	77.123	ng		99
15) Benzyl Alcohol	8.037	79	1447720	79.979	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.331	45	2321074	75.053	ng		100
17) 2-Methylphenol	8.231	107	1340886	80.204	ng		98
18) Hexachloroethane	8.878	117	627491	79.471	ng		98
19) n-Nitroso-di-n-propyla...	8.614	70	1169323	76.214	ng		99
20) 3+4-Methylphenols	8.561	107	1841296	79.981	ng		99
22) Acetophenone	8.614	105	2348273	75.200	ng	#	99
24) Nitrobenzene	8.990	77	1719289	80.892	ng		99
25) Isophorone	9.513	82	3440086	76.970	ng		100
26) 2-Nitrophenol	9.690	139	813124	84.806	ng		97
27) 2,4-Dimethylphenol	9.749	122	1547266	75.090	ng		96
28) bis(2-Chloroethoxy)met...	9.990	93	2054235	75.555	ng		100
29) 2,4-Dichlorophenol	10.219	162	1494161	82.826	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	1535792	77.166	ng		99
31) Naphthalene	10.625	128	4861744	75.289	ng		100
32) Benzoic acid	9.931	122	1160103	79.253	ng		99
33) 4-Chloroaniline	10.719	127	2255163	78.523	ng		100
34) Hexachlorobutadiene	10.919	225	895811	78.411	ng		98
35) Caprolactam	11.519	113	561767m	80.094	ng		
36) 4-Chloro-3-methylphenol	11.837	107	1681089	80.535	ng		100
37) 2-Methylnaphthalene	12.231	142	3204508	76.670	ng		100
38) 1-Methylnaphthalene	12.443	142	3235826	74.197	ng		99
40) 1,2,4,5-Tetrachloroben...	12.602	216	1636320	77.897	ng		100
41) Hexachlorocyclopentadiene	12.590	237	1117188	86.171	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	1177739	86.791	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	1300802	85.453	ng		99
46) 1,1'-Biphenyl	13.243	154	4292450	75.702	ng		100
47) 2-Chloronaphthalene	13.284	162	3350157	77.444	ng		99
48) 2-Nitroaniline	13.478	65	1036853	79.733	ng		97
49) Acenaphthylene	14.143	152	5538691	76.758	ng		99
50) Dimethylphthalate	13.878	163	4226530	75.353	ng		100
51) 2,6-Dinitrotoluene	13.984	165	935818	90.453	ng		94
52) Acenaphthene	14.490	154	3405740	77.379	ng		99
53) 3-Nitroaniline	14.313	138	1104703	91.252	ng		96
54) 2,4-Dinitrophenol	14.519	184	457765	79.662	ng	#	51
55) Dibenzofuran	14.831	168	4843609	73.640	ng		99
56) 4-Nitrophenol	14.619	139	918340	85.952	ng		97
57) 2,4-Dinitrotoluene	14.784	165	1324025	80.213	ng		99
58) Fluorene	15.484	166	3580163	69.303	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.048	232	1079472	84.394	ng		99
60) Diethylphthalate	15.266	149	4248904	75.138	ng		99
61) 4-Chlorophenyl-phenyle...	15.490	204	1716628	70.093	ng		99
62) 4-Nitroaniline	15.507	138	1042796	86.933	ng		97
63) Azobenzene	15.784	77	4018242	76.490	ng		99
65) 4,6-Dinitro-2-methylph...	15.560	198	653490	78.886	ng		95
66) n-Nitrosodiphenylamine	15.695	169	3479218	75.135	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	1177395	76.943	ng		99
68) Hexachlorobenzene	16.519	284	1326894	77.280	ng		98
69) Atrazine	16.678	200	1273257	78.187	ng		99
70) Pentachlorophenol	16.860	266	946571	86.531	ng		99
71) Phenanthrene	17.266	178	6128568	73.575	ng		99
72) Anthracene	17.360	178	6185852	73.651	ng		99
73) Carbazole	17.631	167	5994709	74.355	ng		99
74) Di-n-butylphthalate	18.237	149	7426722	76.144	ng		100
75) Fluoranthene	19.336	202	6952158	72.098	ng		99
77) Benzidine	19.525	184	3244549	63.462	ng		99
78) Pyrene	19.713	202	7242380	77.104	ng		99
80) Butylbenzylphthalate	20.672	149	3308374	86.846	ng		98
81) Benzo(a)anthracene	21.648	228	7117868	75.830	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	2604409	78.640	ng		99
83) Chrysene	21.713	228	6581498	75.596	ng		100
84) Bis(2-ethylhexyl)phtha...	21.601	149	4983234	81.923	ng		100
85) Di-n-octyl phthalate	22.907	149	8622615	84.688	ng		99
87) Indeno(1,2,3-cd)pyrene	28.912	276	9444318m	80.231	ng		
88) Benzo(b)fluoranthene	23.983	252	7663180	78.064	ng		99
89) Benzo(k)fluoranthene	24.060	252	7472413	76.787	ng		99
90) Benzo(a)pyrene	24.895	252	7402973	78.309	ng		99
91) Dibenzo(a,h)anthracene	29.018	278	7708950	80.082	ng		99
92) Benzo(g,h,i)perylene	30.106	276	7590772m	80.324	ng		

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

ICAL Form

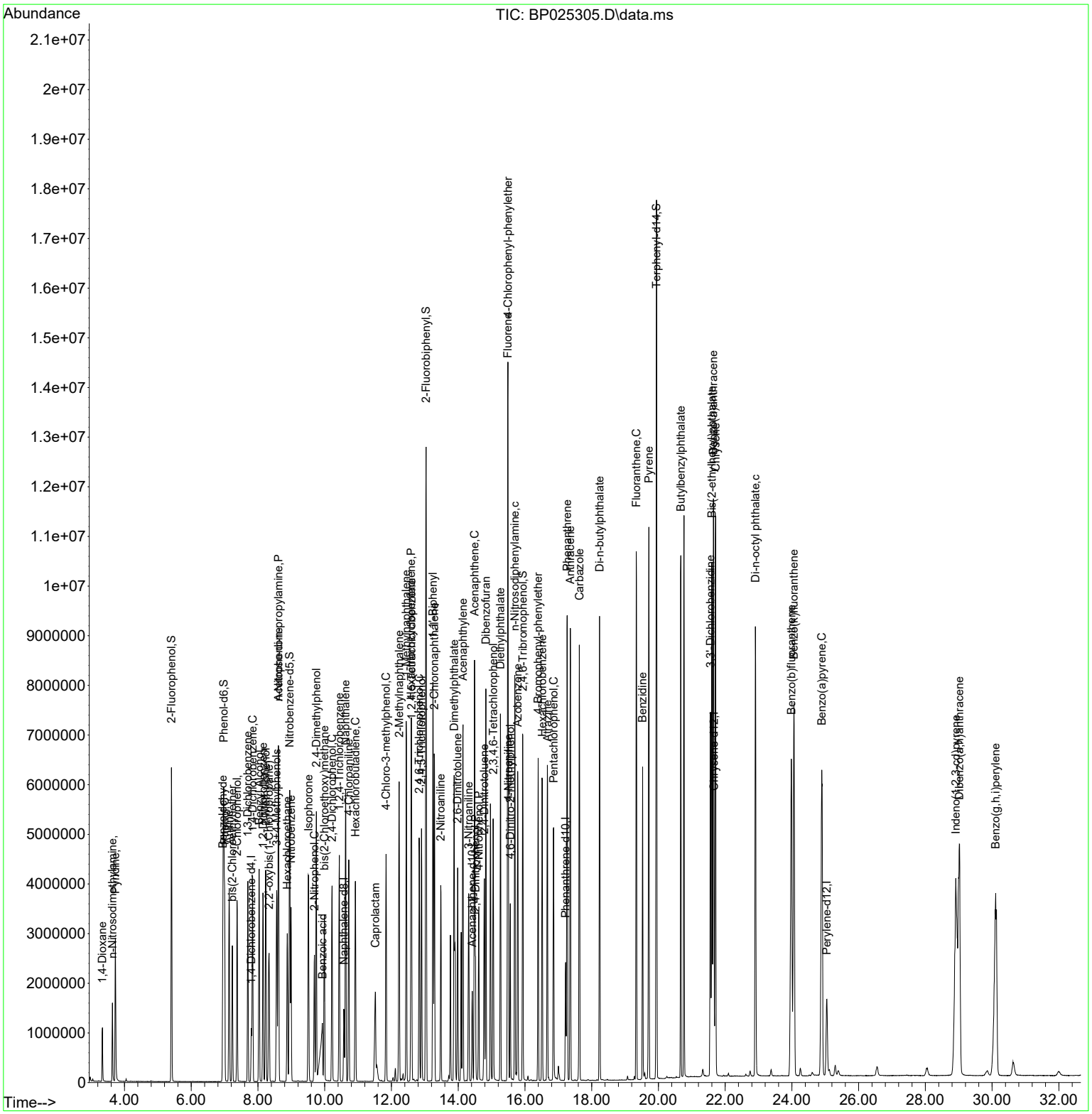
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

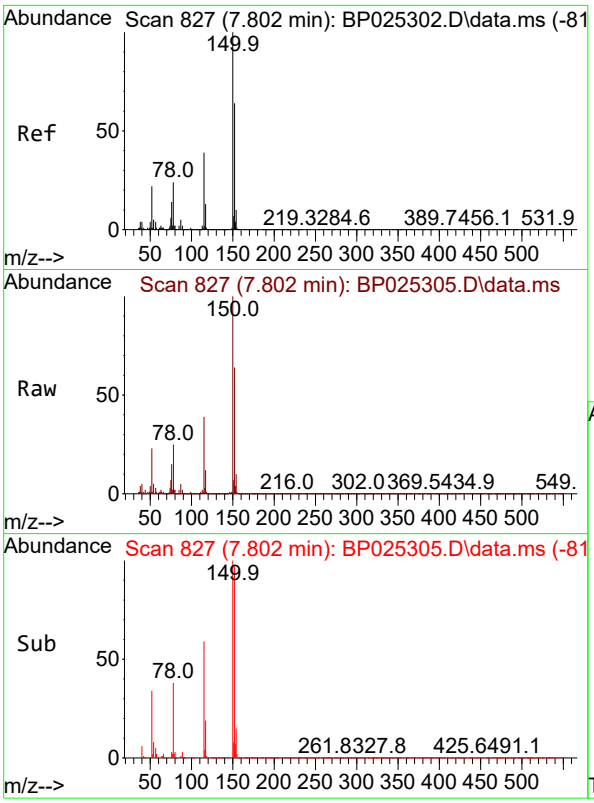
Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

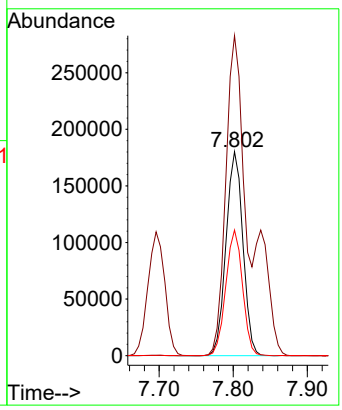




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:152 Resp: 28538

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.1	187.7
115	61.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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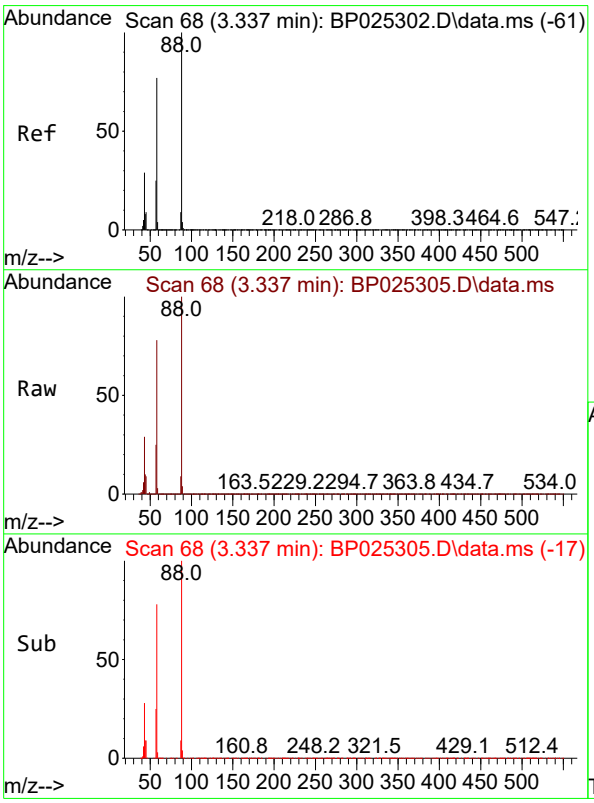
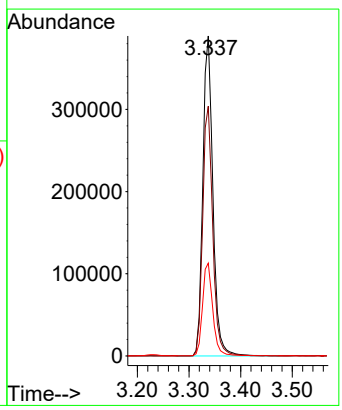
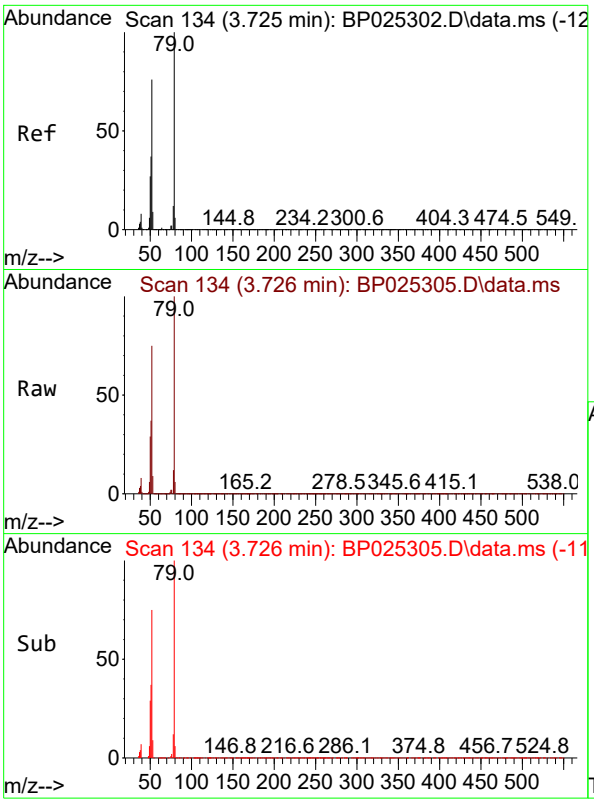


#2
1,4-Dioxane
Concen: 75.001 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 88 Resp: 525165

Ion	Ratio	Lower	Upper
88	100		
58	78.4	61.9	92.9
43	29.2	24.2	36.2

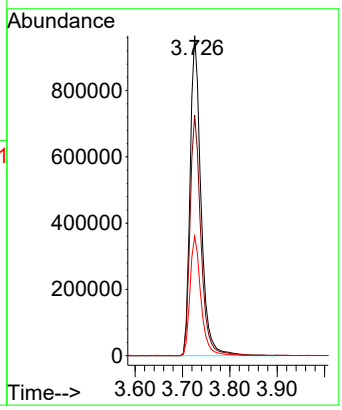




#3
Pyridine
Concen: 79.031 ng
RT: 3.726 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 79 Resp: 153745

Ion	Ratio	Lower	Upper
79	100		
52	75.2	60.5	90.7
51	37.3	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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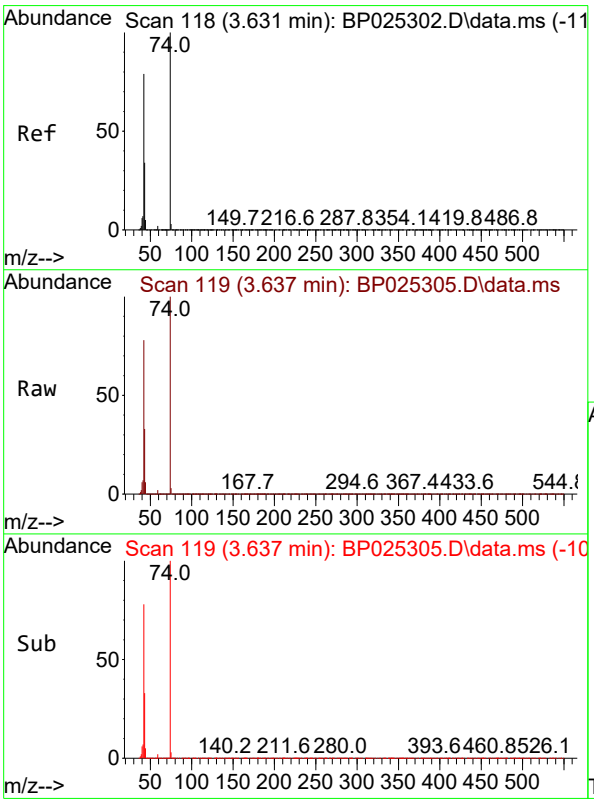
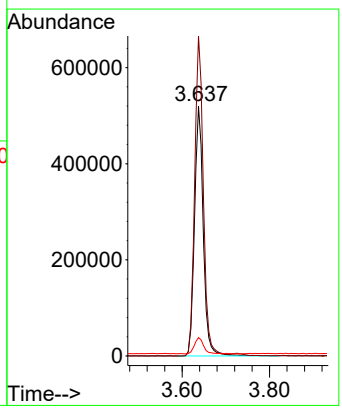
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

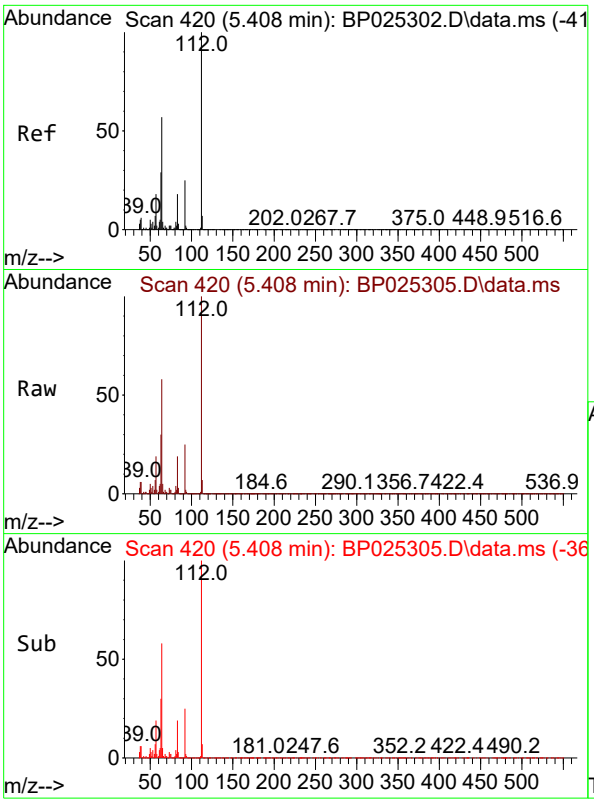


#4
n-Nitrosodimethylamine
Concen: 80.324 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 42 Resp: 725458

Ion	Ratio	Lower	Upper
42	100		
74	128.2	101.4	152.2
44	7.4	7.6	11.4#





#5
2-Fluorophenol
Concen: 156.621 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:112 Resp: 279707

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	30.4	23.0	34.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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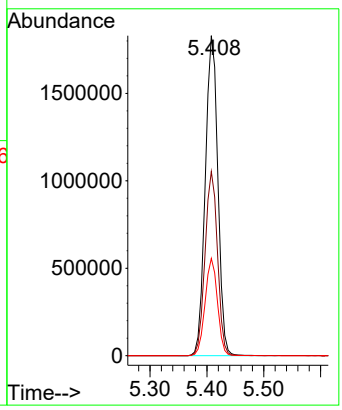
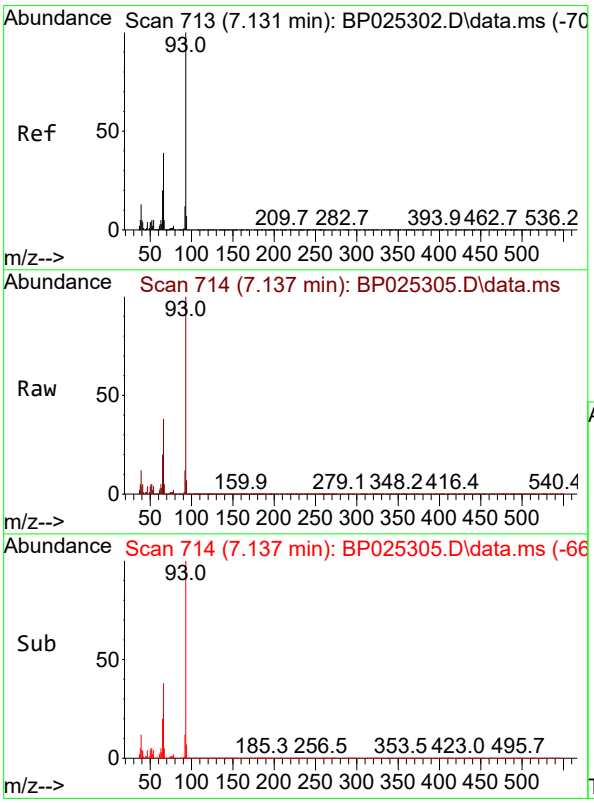
Supervised By :Jagrut Upadhyay 08/06/2025

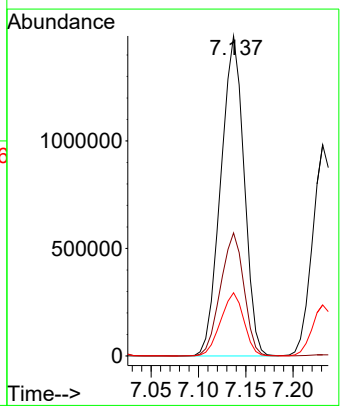


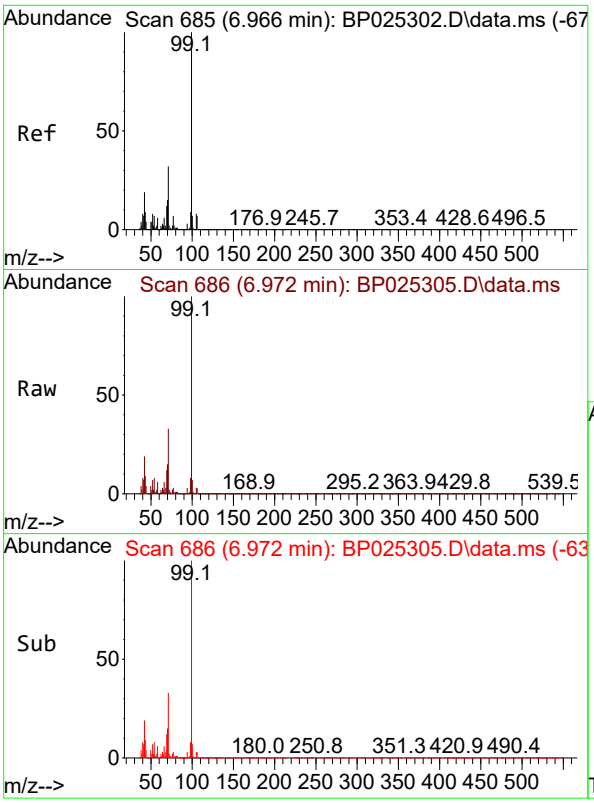


#6
Aniline
Concen: 79.451 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2546940

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.1	46.7
65	19.7	15.8	23.8

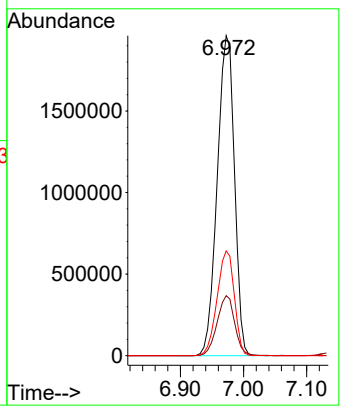




#7
Phenol-d6
Concen: 157.885 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 99 Resp: 371951

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.6
71	32.7	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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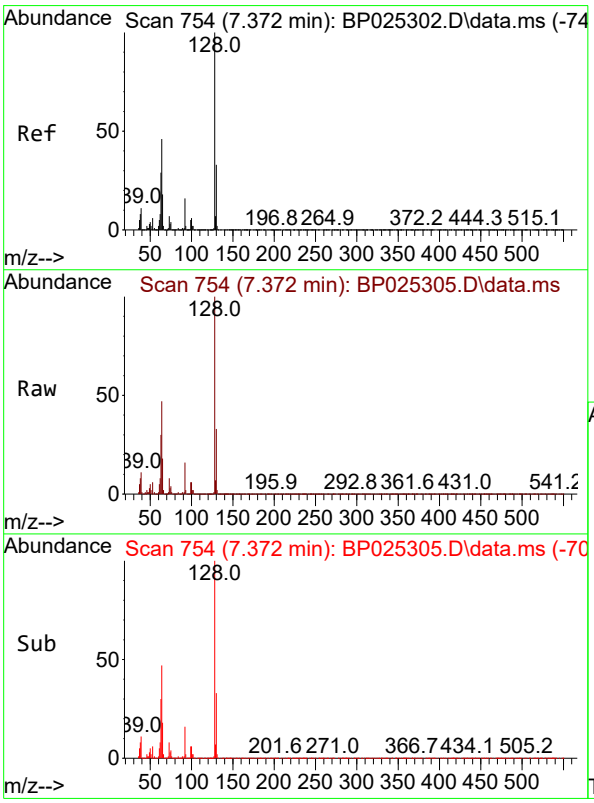
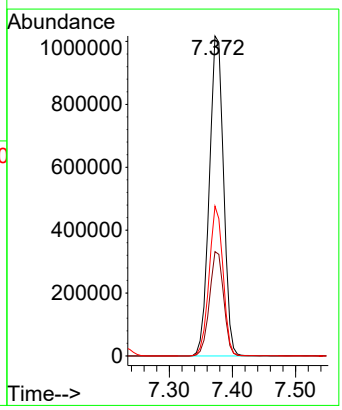
Supervised By :Jagrut Upadhyay 08/06/2025

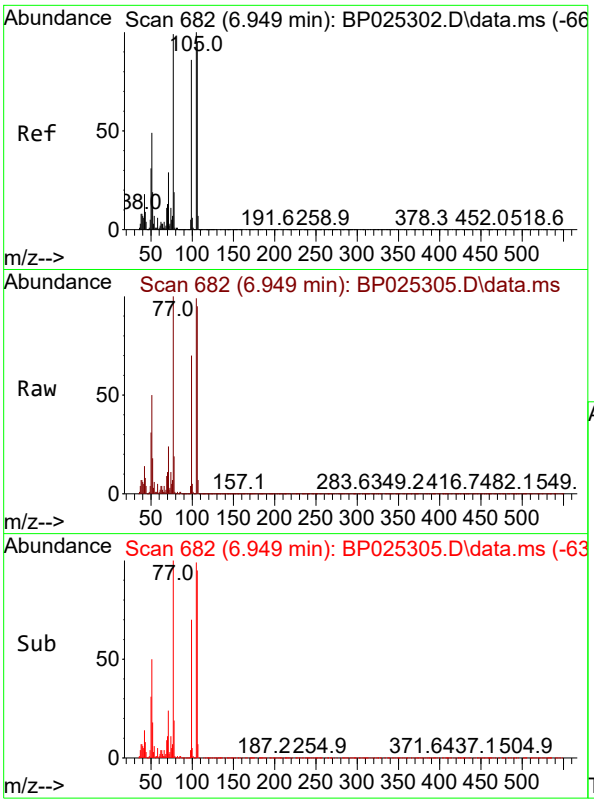


#8
2-Chlorophenol
Concen: 81.930 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:128 Resp: 1591247

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	46.8	26.1	66.1

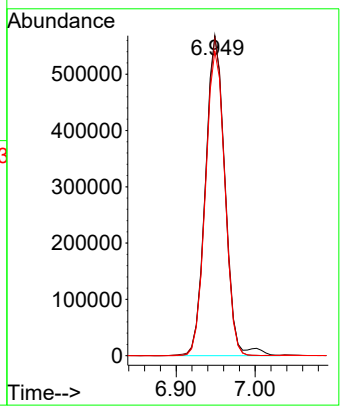




#9
Benzaldehyde
Concen: 58.640 ng m
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 97260

Ion	Ratio	Lower	Upper
77	100		
105	99.3	81.4	121.4
106	95.1	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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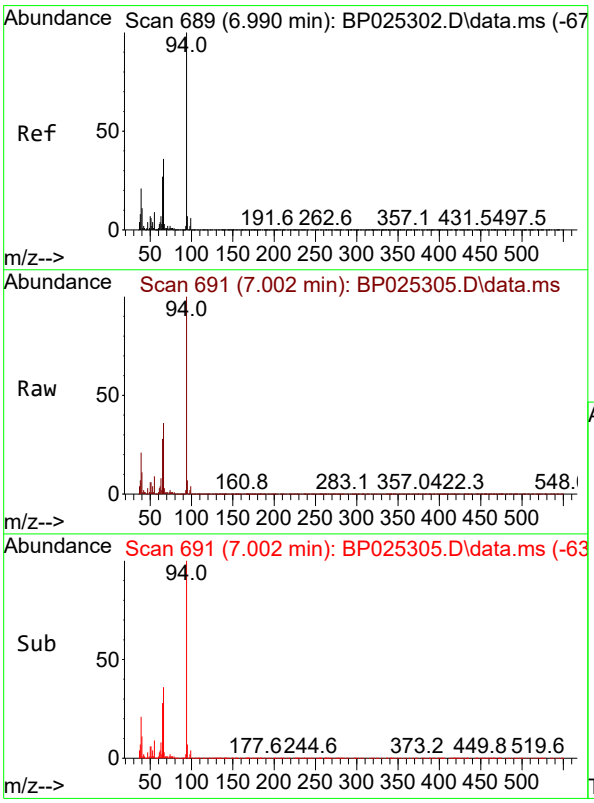
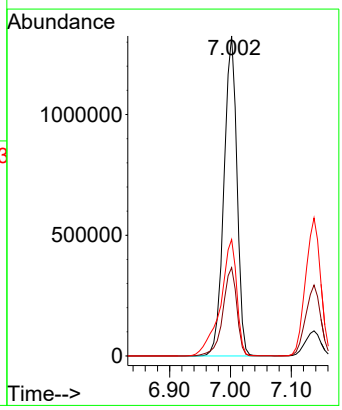
Supervised By :Jagrut Upadhyay 08/06/2025

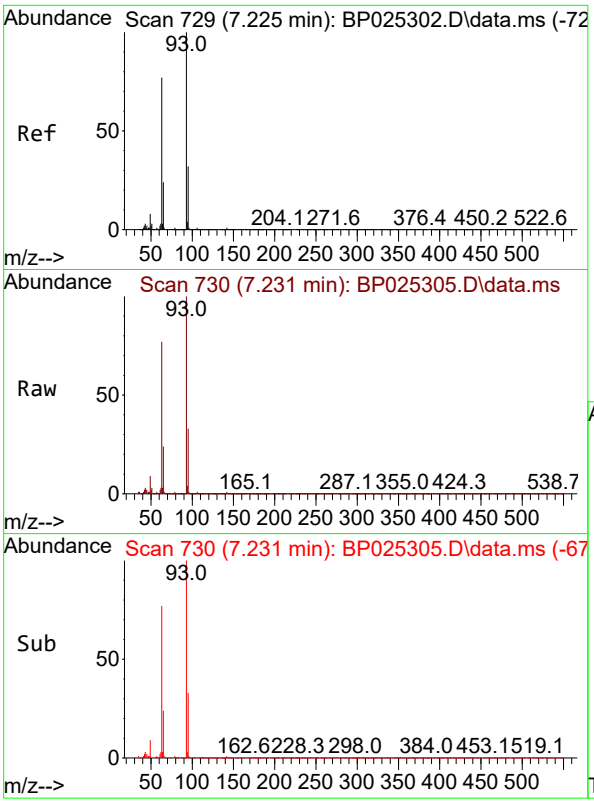


#10
Phenol
Concen: 78.808 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 94 Resp: 1969060

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.3	47.3
66	36.4	15.7	55.7

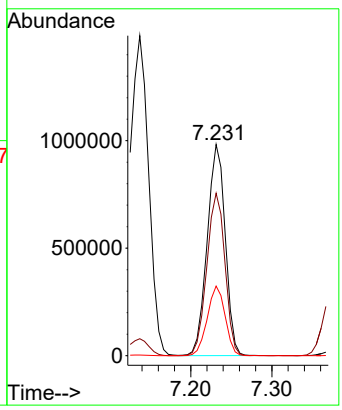




#11
bis(2-Chloroethyl)ether
Concen: 77.407 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 151539

Ion	Ratio	Lower	Upper
93	100		
63	76.9	57.0	97.0
95	32.9	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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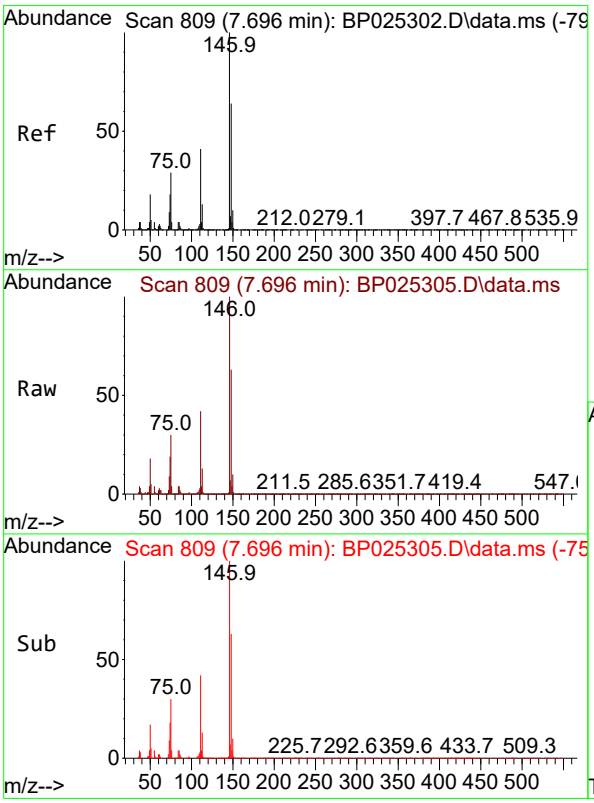
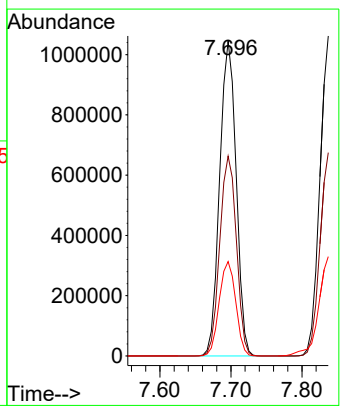
Supervised By :Jagrut Upadhyay 08/06/2025

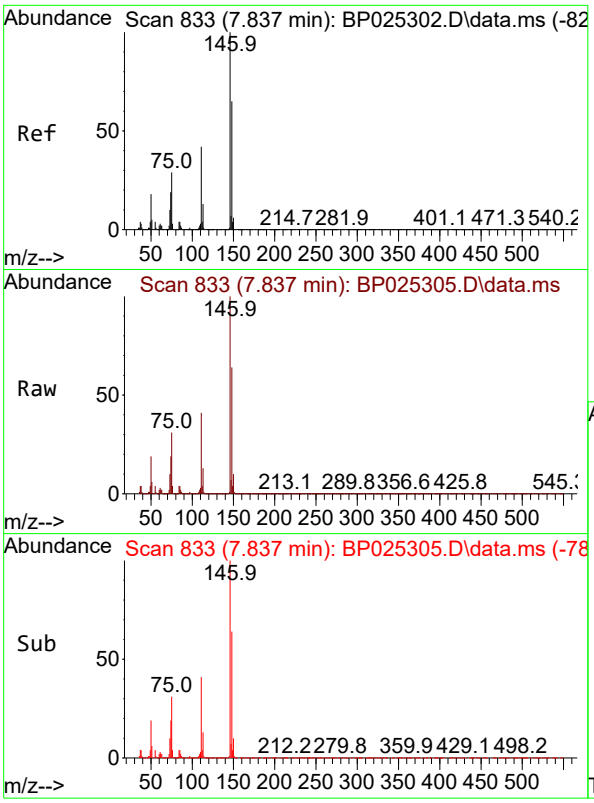


#12
1,3-Dichlorobenzene
Concen: 76.821 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1676489

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
75	30.0	23.2	34.8

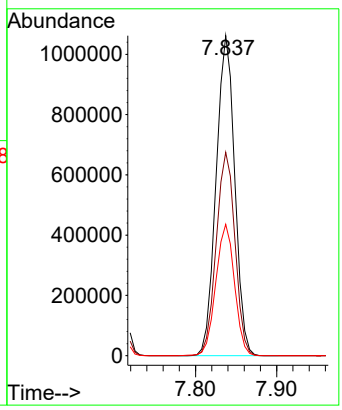




#13
1,4-Dichlorobenzene
Concen: 76.733 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 169417

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	41.1	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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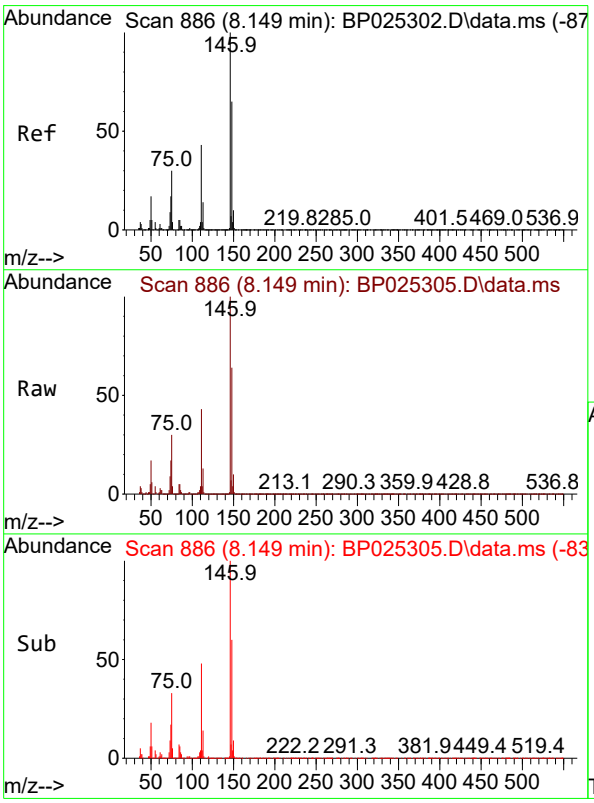
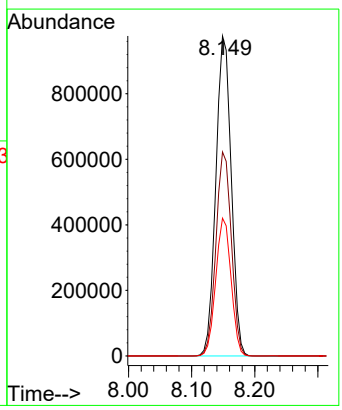
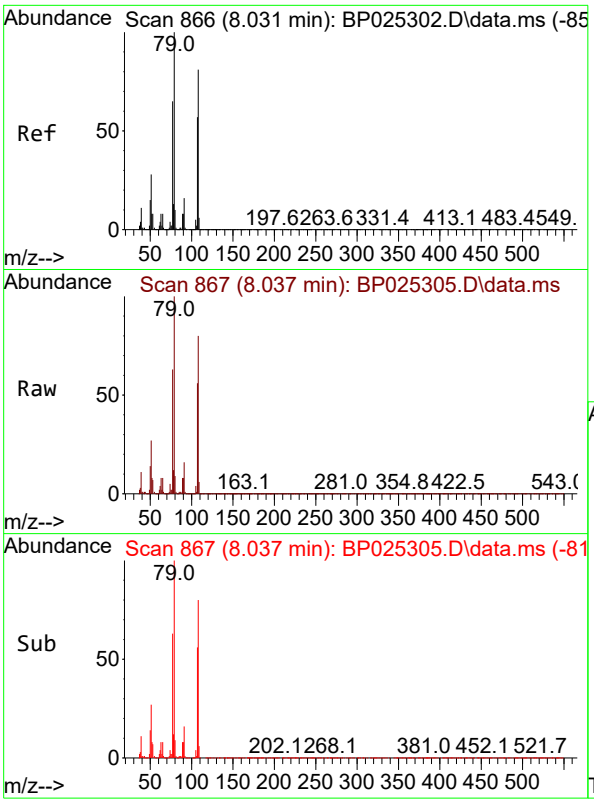


#14
1,2-Dichlorobenzene
Concen: 77.123 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1649525

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
111	43.1	34.4	51.6





#15
Benzyl Alcohol
Concen: 79.979 ng
RT: 8.037 min Scan# 8(
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 144772(

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	62.5	51.9	77.9

Manual Integrations
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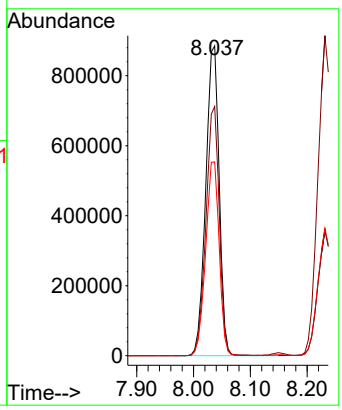
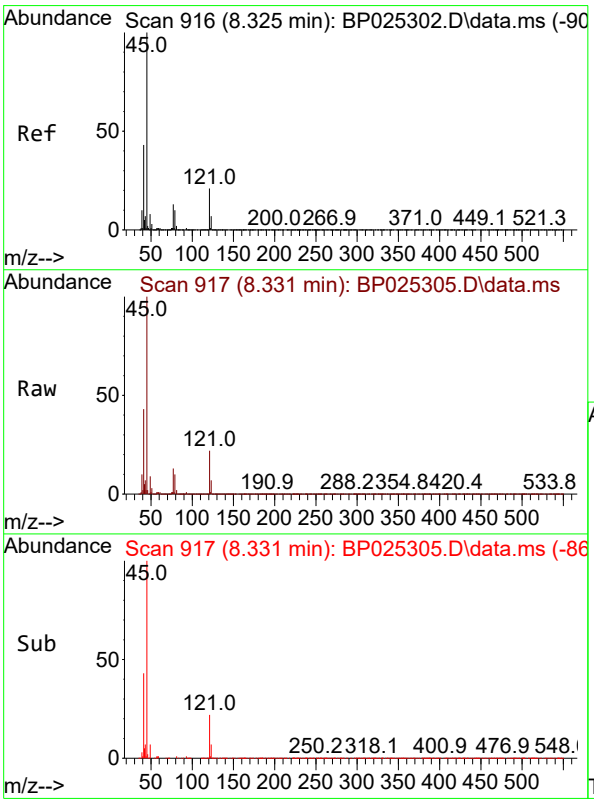
Supervised By :Jagrut Upadhyay 08/06/2025

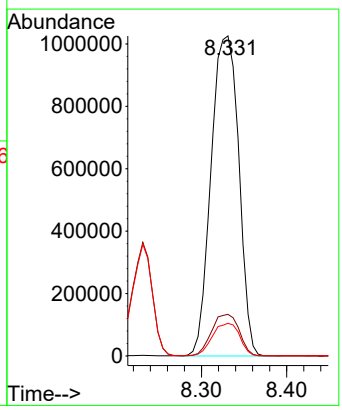


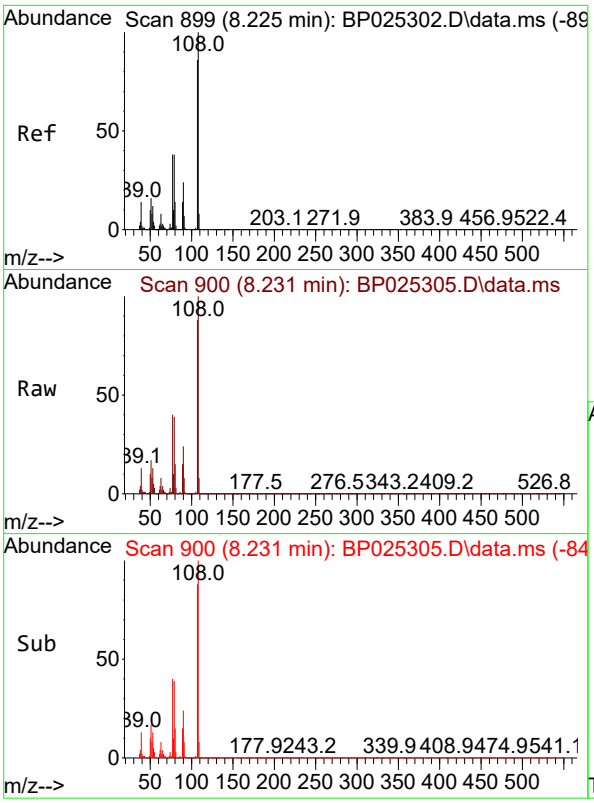


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.053 ng
RT: 8.331 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 45 Resp: 2321074

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	10.2	0.0	29.8

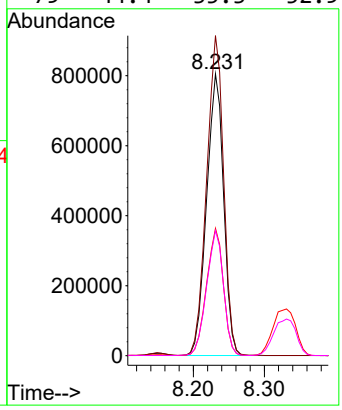




#17
2-Methylphenol
Concen: 80.204 ng
RT: 8.231 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 134088(

Ion	Ratio	Lower	Upper
107	100		
108	113.6	92.6	139.0
77	45.2	35.4	53.2
79	44.4	35.3	52.9



Instrument :
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ClientSampleId :
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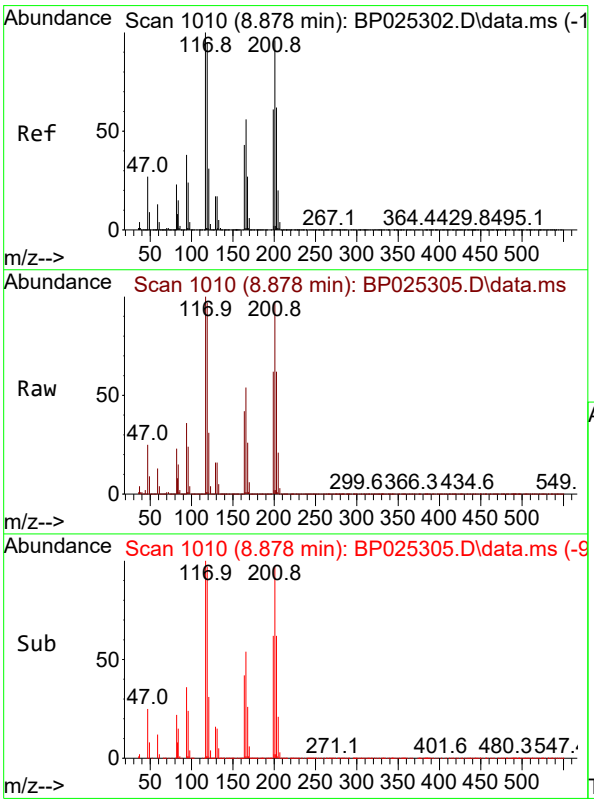
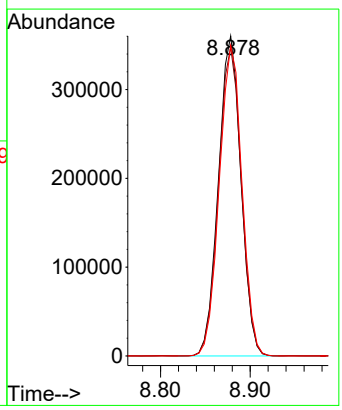
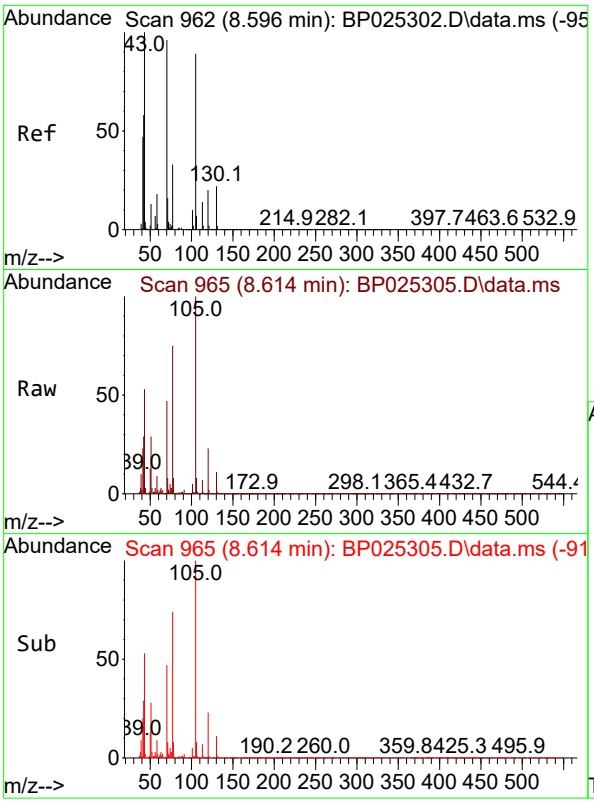


#18
Hexachloroethane
Concen: 79.471 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:117 Resp: 627491

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	97.1	76.6	114.8

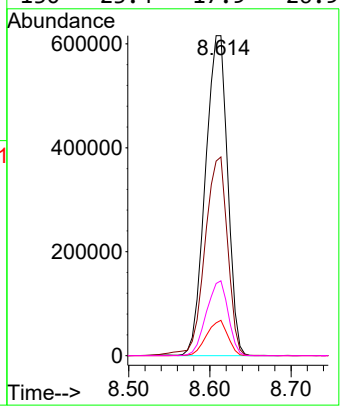




#19
n-Nitroso-di-n-propylamine
Concen: 76.214 ng
RT: 8.614 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 70 Resp: 116932

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	11.1	7.9	11.9
130	23.4	17.9	26.9



Instrument :
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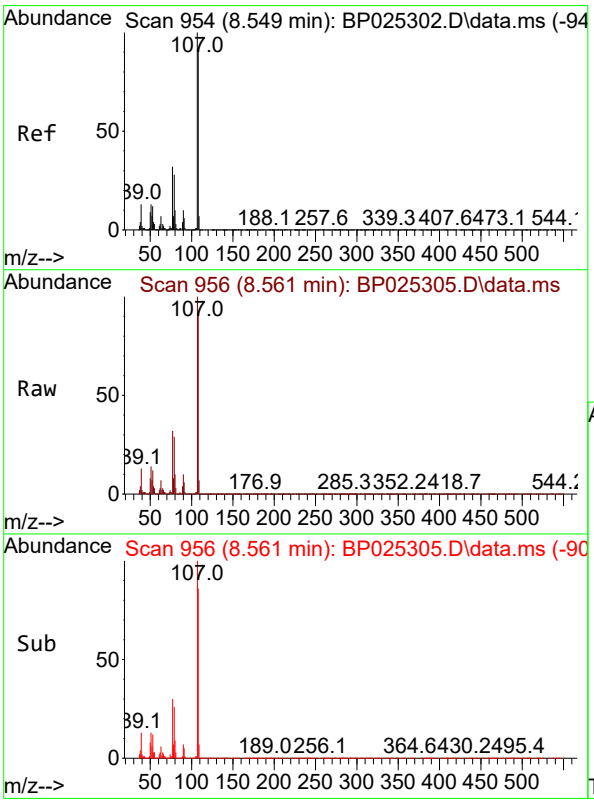
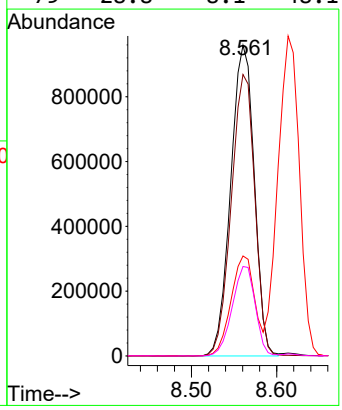
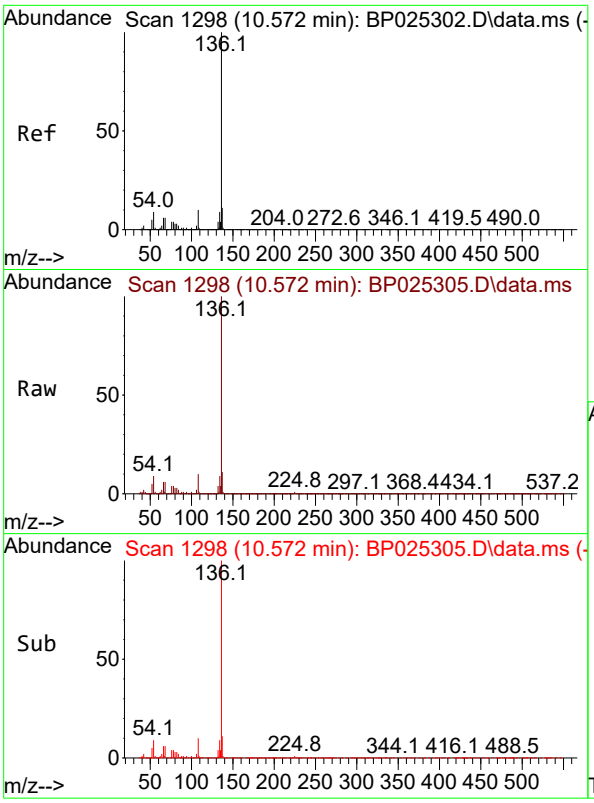


#20
3+4-Methylphenols
Concen: 79.981 ng
RT: 8.561 min Scan# 956
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1841296

Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.9	111.9
77	32.2	12.0	52.0
79	28.8	8.1	48.1

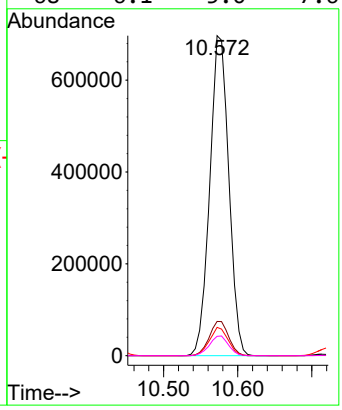




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:136 Resp: 124391

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.9	7.0	10.6
68	6.1	5.0	7.6



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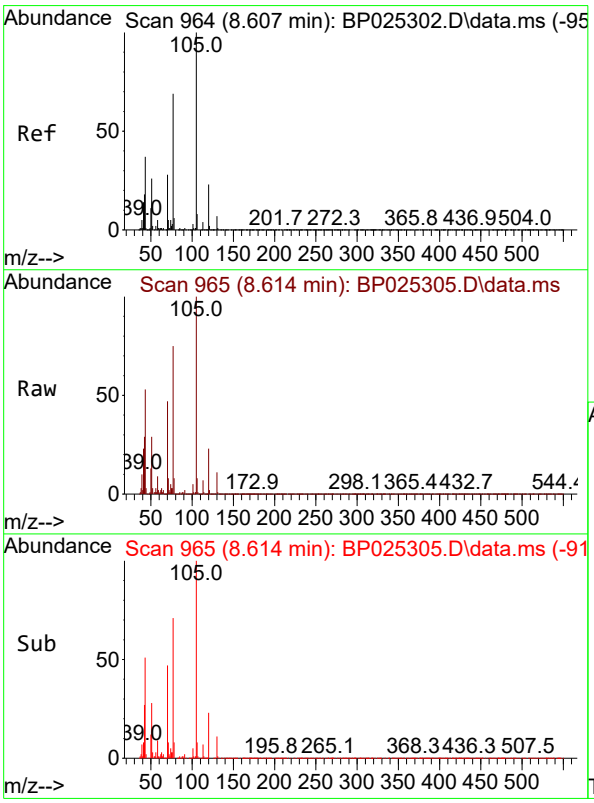
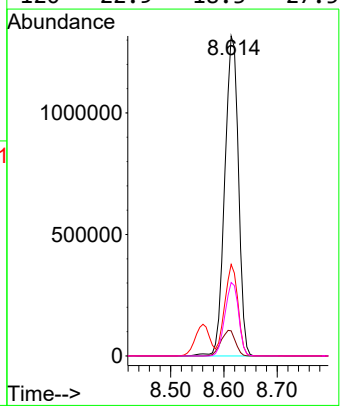
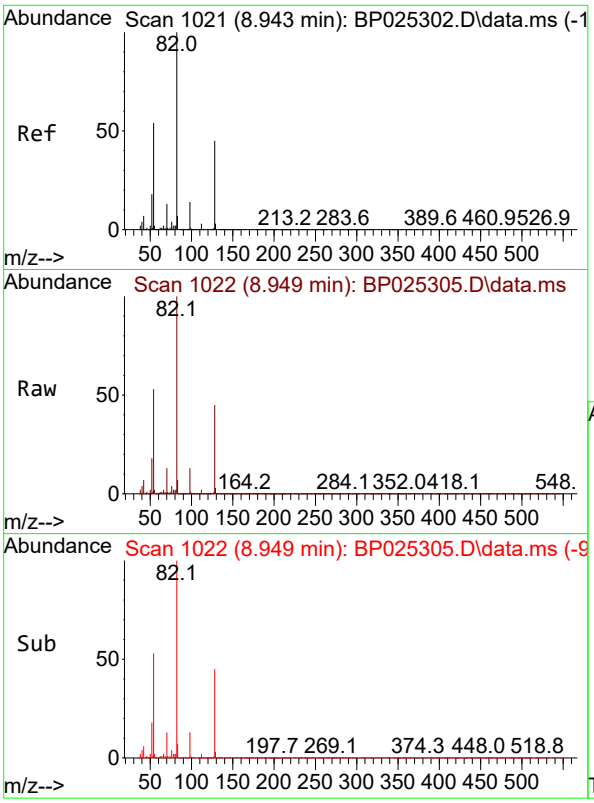


#22
Acetophenone
Concen: 75.200 ng
RT: 8.614 min Scan# 965
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:105 Resp: 2348273

Ion	Ratio	Lower	Upper
105	100		
71	7.9	4.1	6.1#
51	28.6	22.7	34.1
120	22.9	18.3	27.5





#23
Nitrobenzene-d5
Concen: 164.165 ng
RT: 8.949 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 82 Resp: 377423

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.4	53.2
54	53.1	42.9	64.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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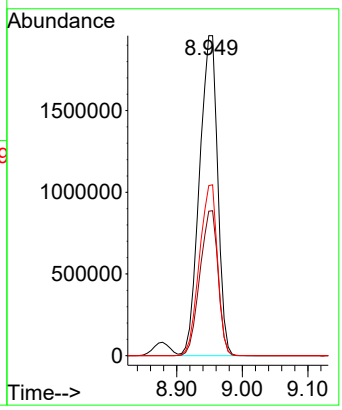
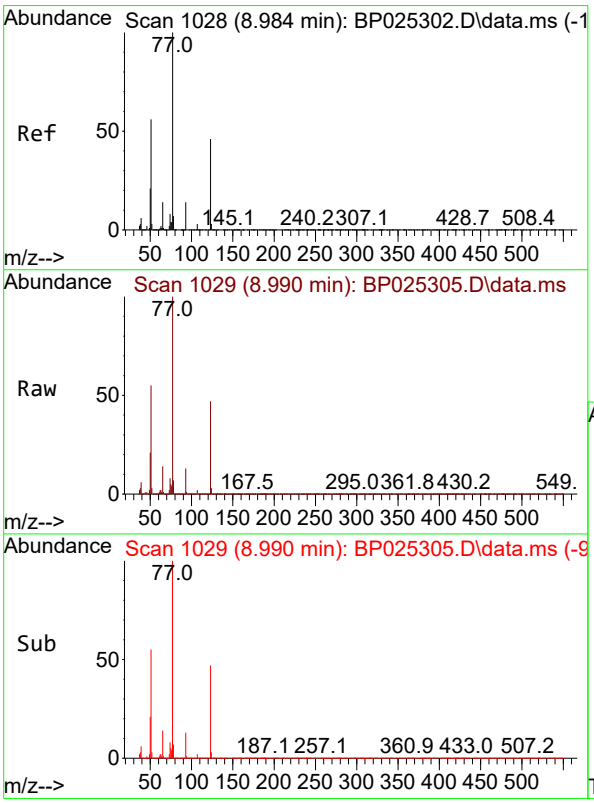
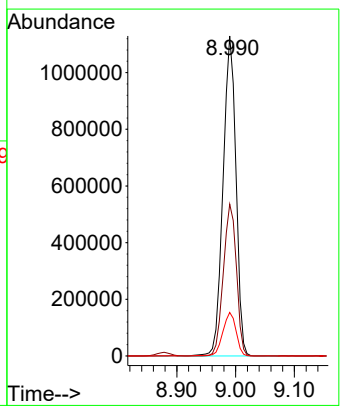


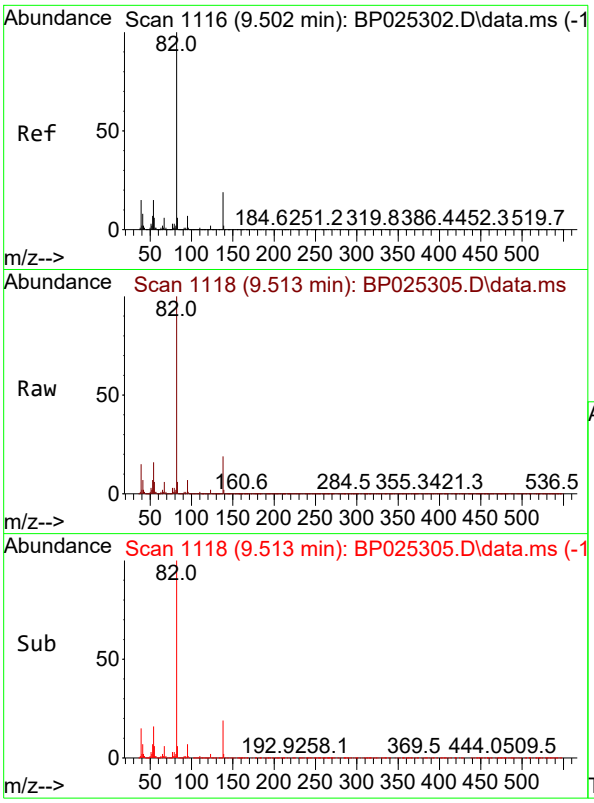


#24
Nitrobenzene
Concen: 80.892 ng
RT: 8.990 min Scan# 1029
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 1719289

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.4	56.2
65	13.6	11.1	16.7

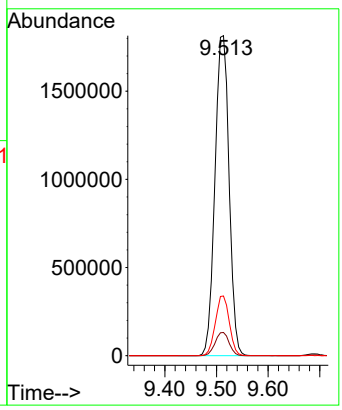




#25
Isophorone
Concen: 76.970 ng
RT: 9.513 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 82 Resp: 344008

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.7	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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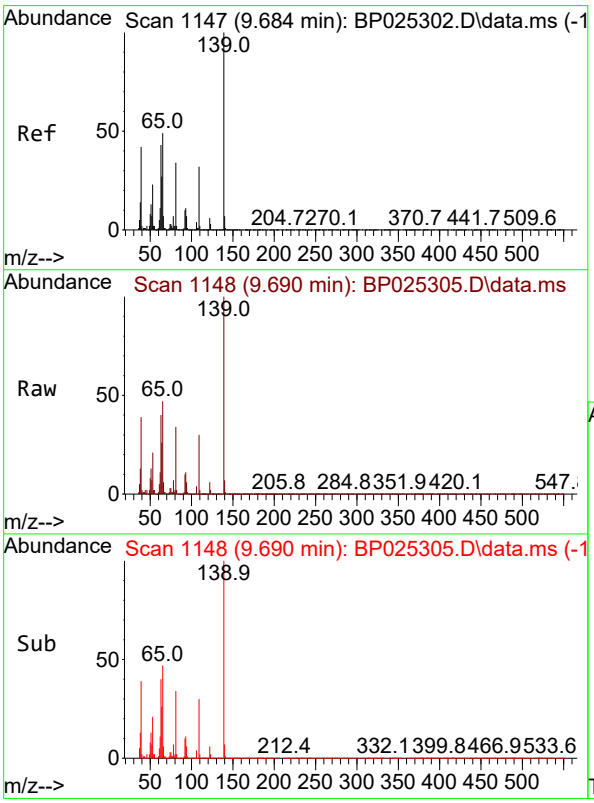
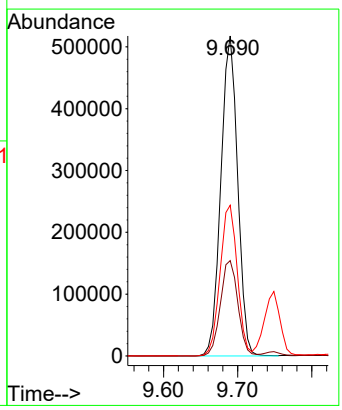
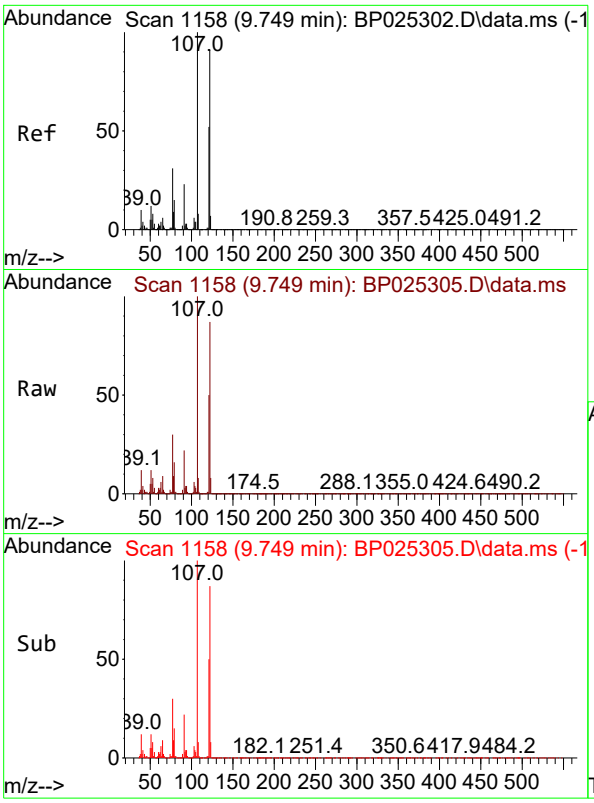


#26
2-Nitrophenol
Concen: 84.806 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 813124

Ion	Ratio	Lower	Upper
139	100		
109	29.8	25.2	37.8
65	47.1	39.6	59.4

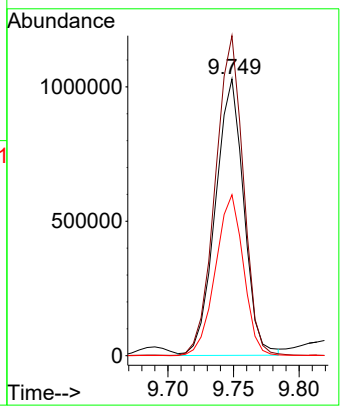




#27
2,4-Dimethylphenol
Concen: 75.090 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:122 Resp: 154726

Ion	Ratio	Lower	Upper
122	100		
107	115.6	87.4	131.0
121	58.2	45.8	68.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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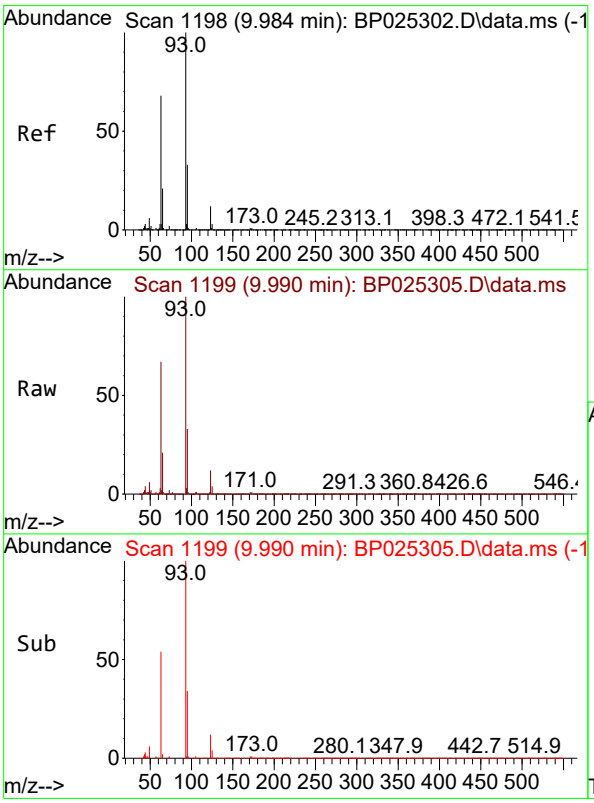
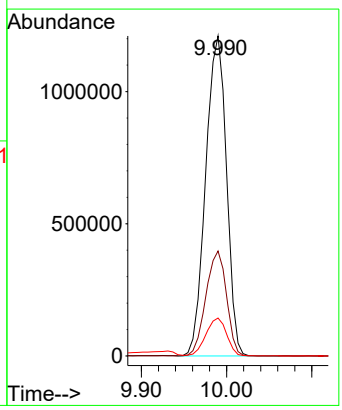
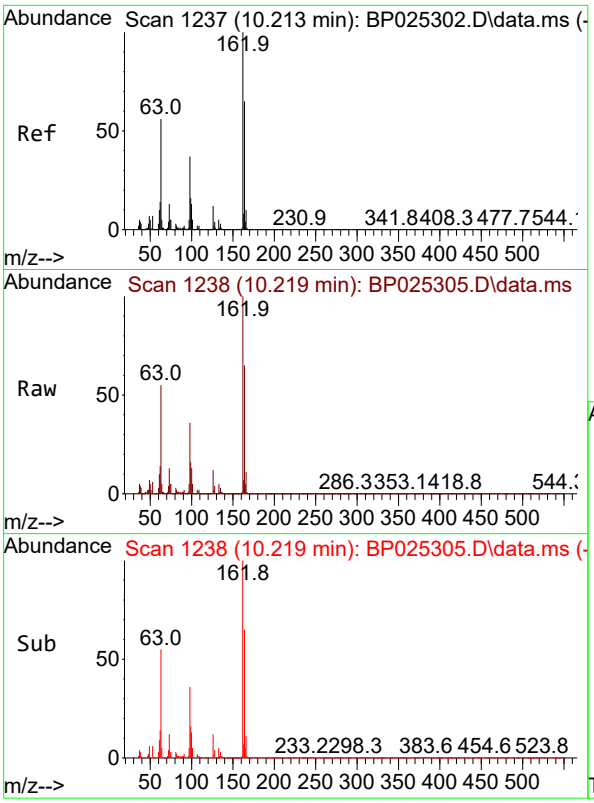


#28
bis(2-Chloroethoxy)methane
Concen: 75.555 ng
RT: 9.990 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2054235

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	11.9	9.4	14.2

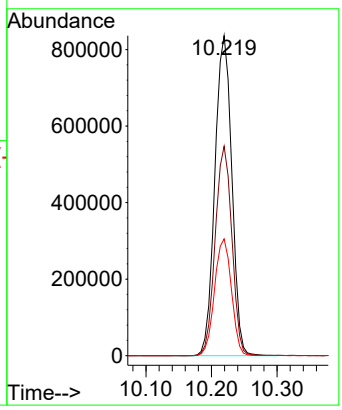




#29
2,4-Dichlorophenol
Concen: 82.826 ng
RT: 10.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:162 Resp: 149416

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.2	85.2
98	36.5	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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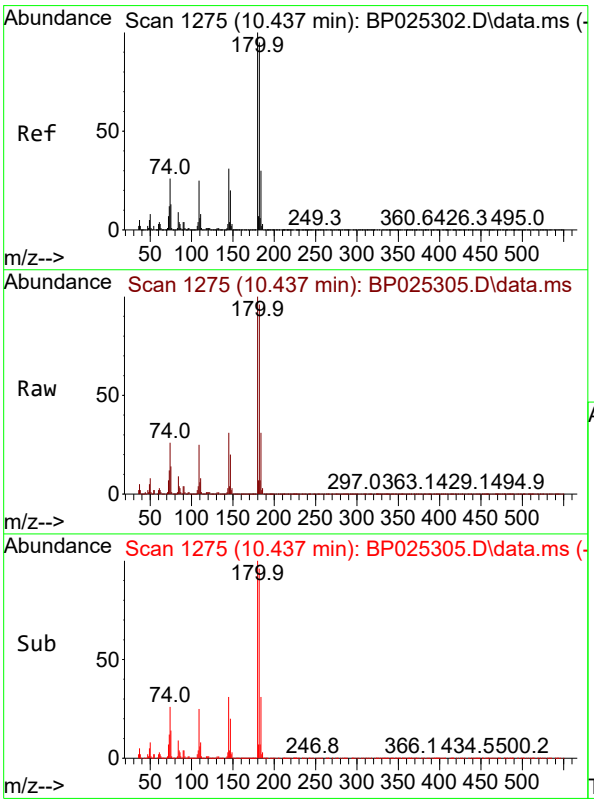
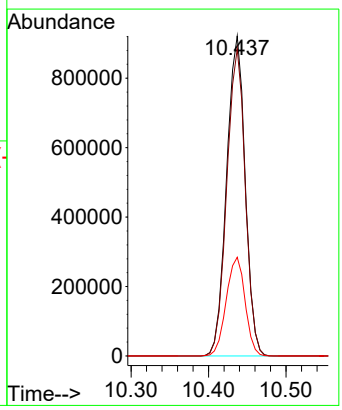
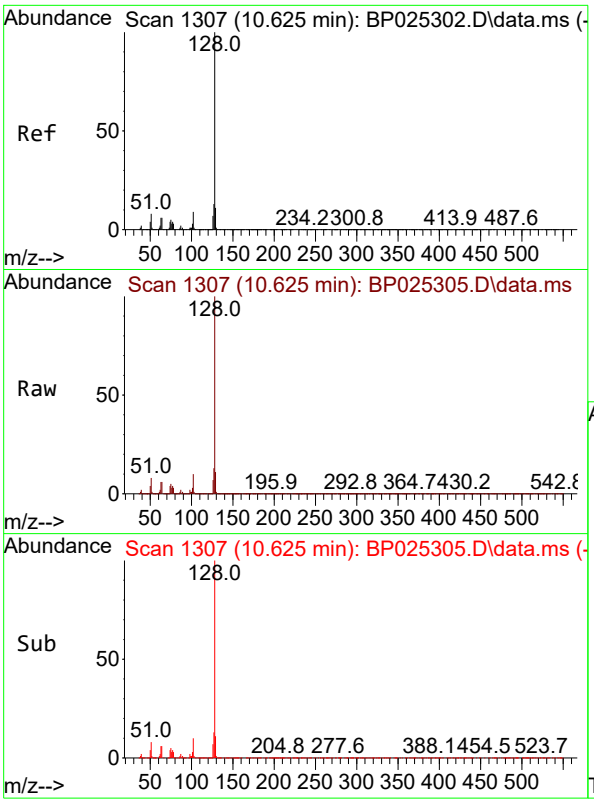


#30
1,2,4-Trichlorobenzene
Concen: 77.166 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:180 Resp: 1535792

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
145	30.9	25.0	37.4

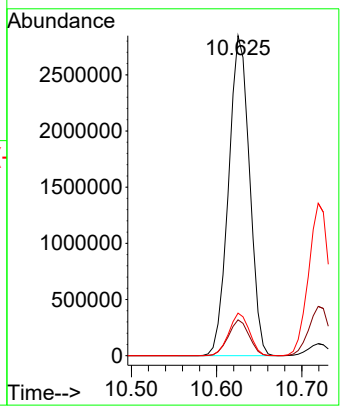




#31
Naphthalene
Concen: 75.289 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:128 Resp: 486174

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.4	15.6



Instrument :
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ClientSampleId :
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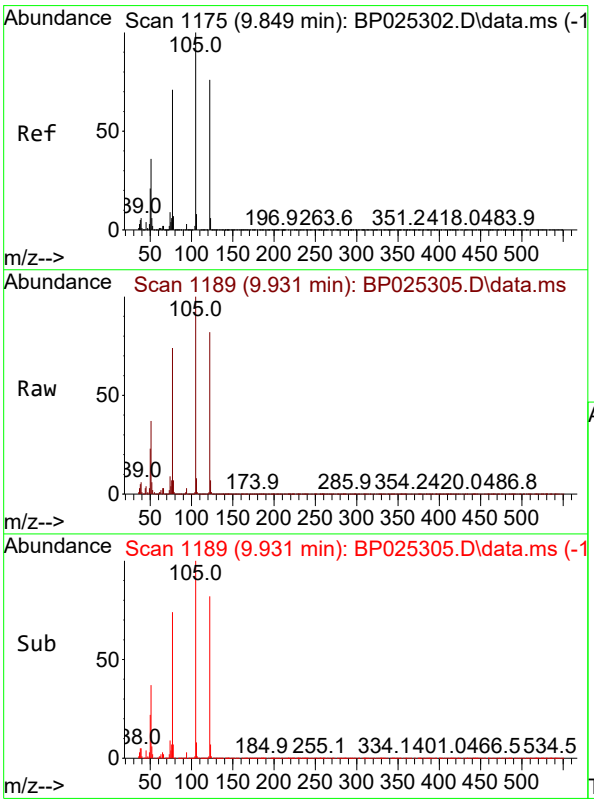
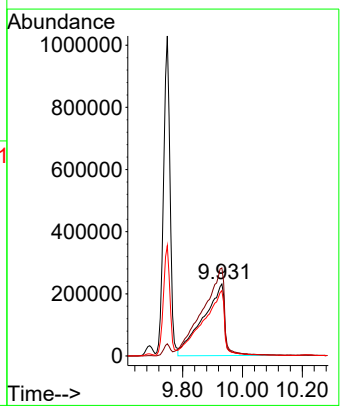
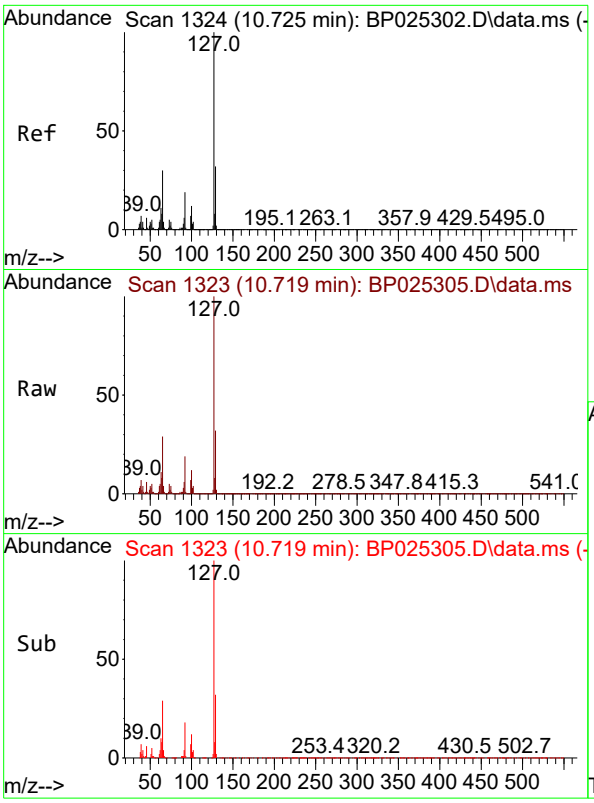


#32
Benzoic acid
Concen: 79.253 ng
RT: 9.931 min Scan# 1189
Delta R.T. 0.082 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:122 Resp: 1160103

Ion	Ratio	Lower	Upper
122	100		
105	122.1	104.0	144.0
77	90.6	71.8	111.8

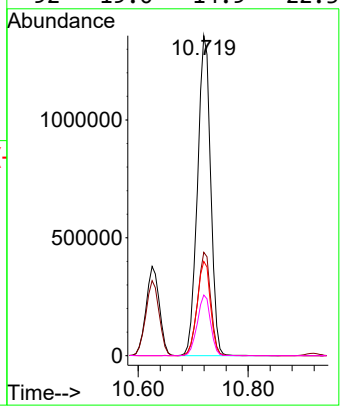




#33
4-Chloroaniline
Concen: 78.523 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:127 Resp: 225516

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.5	23.6	35.4
92	19.0	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
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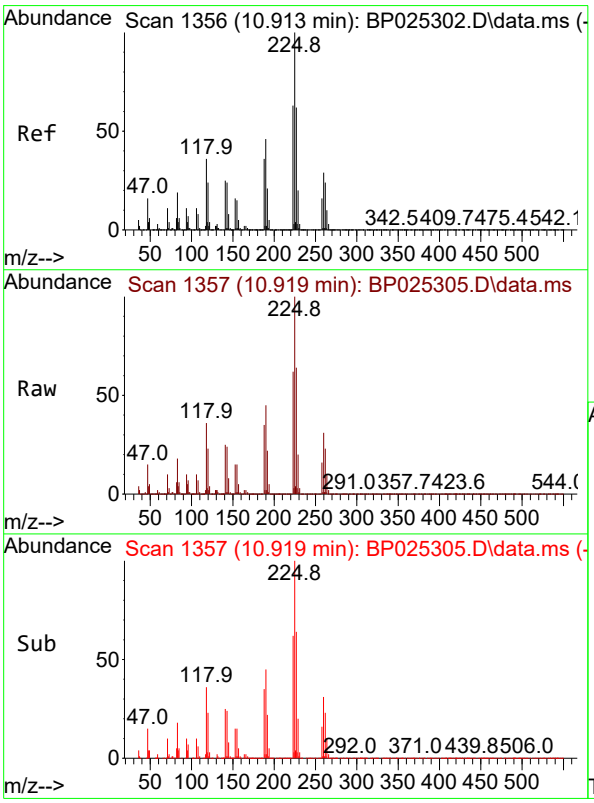
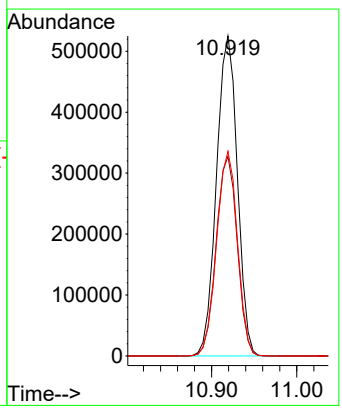
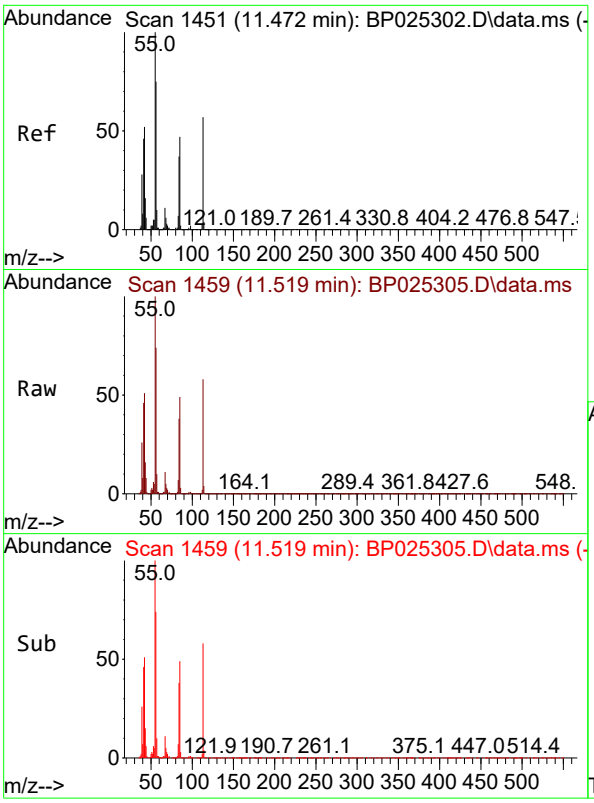


#34
Hexachlorobutadiene
Concen: 78.411 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:225 Resp: 895811

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	63.9	49.7	74.5

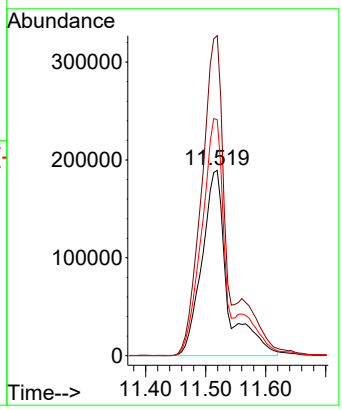




#35
Caprolactam
Concen: 80.094 ng m
RT: 11.519 min Scan# 14
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:113 Resp: 56176

Ion	Ratio	Lower	Upper
113	100		
55	172.7	154.4	194.4
56	127.3	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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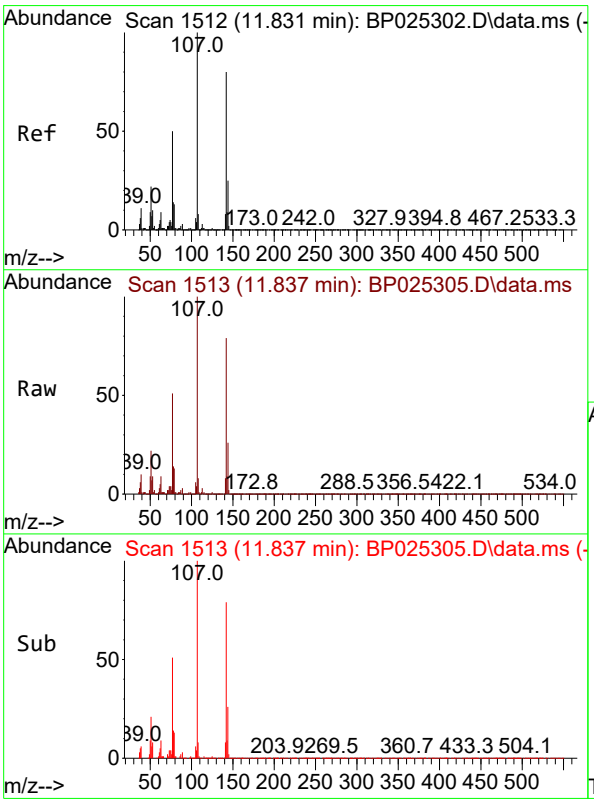
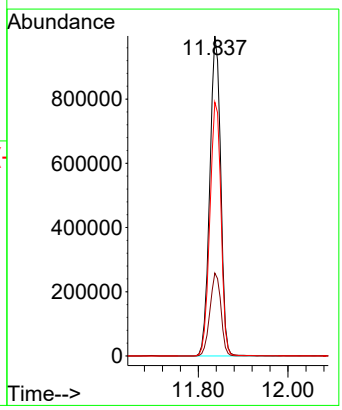
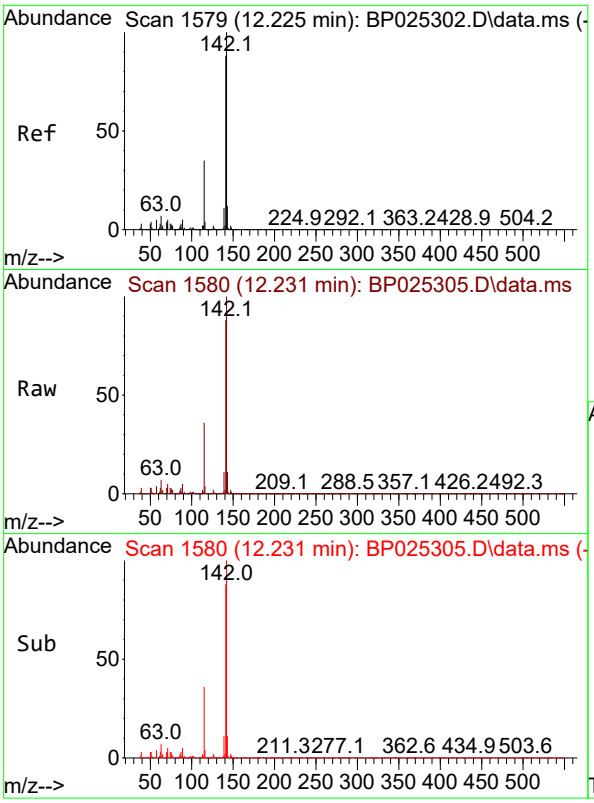


#36
4-Chloro-3-methylphenol
Concen: 80.535 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1681089

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.4	30.6
142	79.3	63.7	95.5

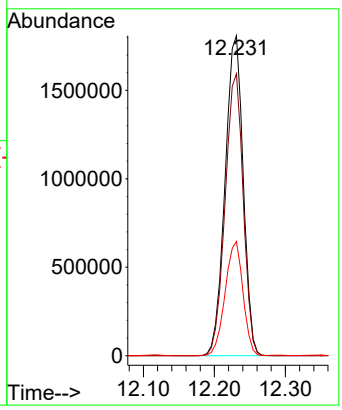




#37
2-Methylnaphthalene
Concen: 76.670 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:142 Resp: 320450

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	35.7	28.0	42.0



Instrument :
BNA_P
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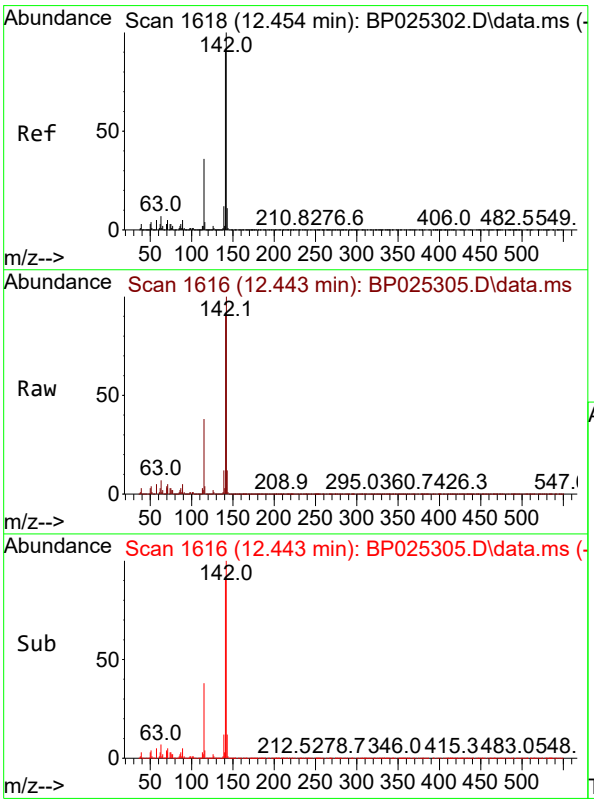
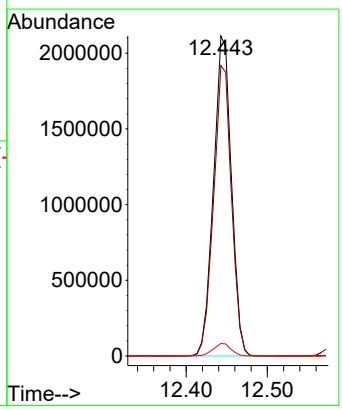
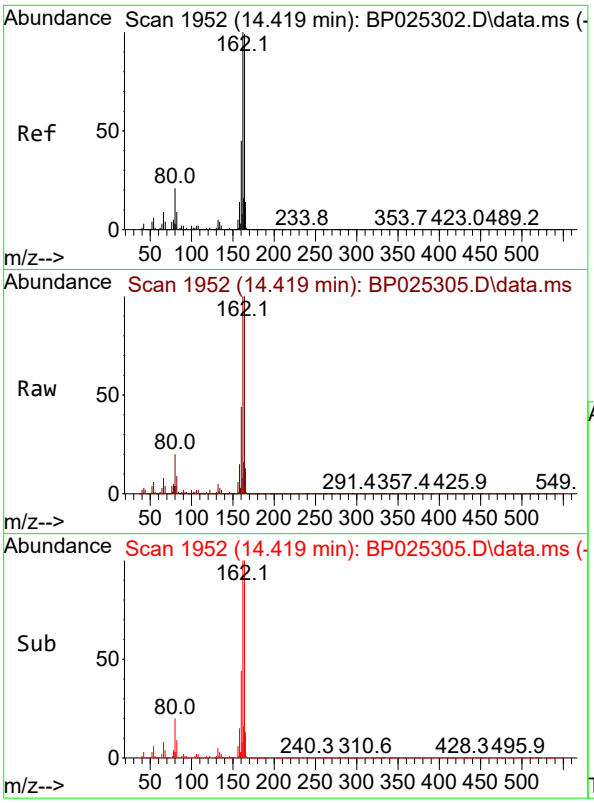


#38
1-Methylnaphthalene
Concen: 74.197 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:142 Resp: 3235826

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.0	109.6
116	3.9	3.0	4.6

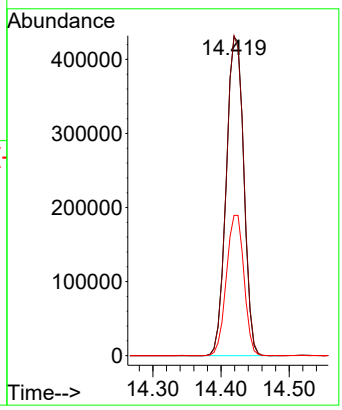




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:164 Resp: 76941

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.0	35.9	53.9



Instrument :
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ClientSampleId :
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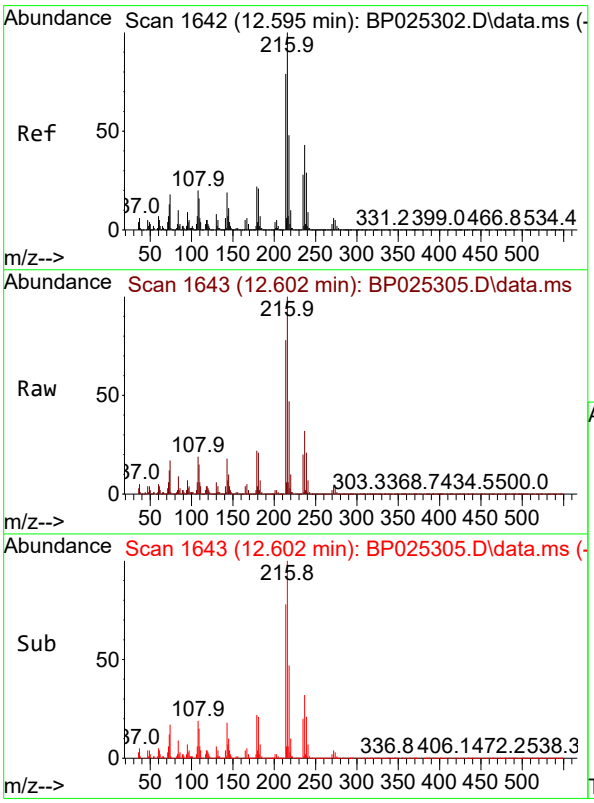
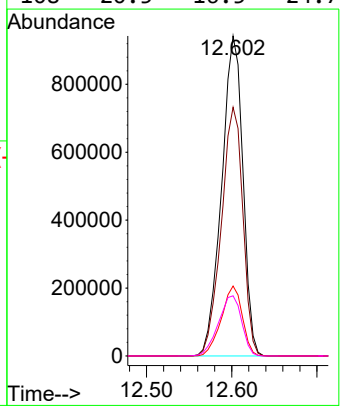
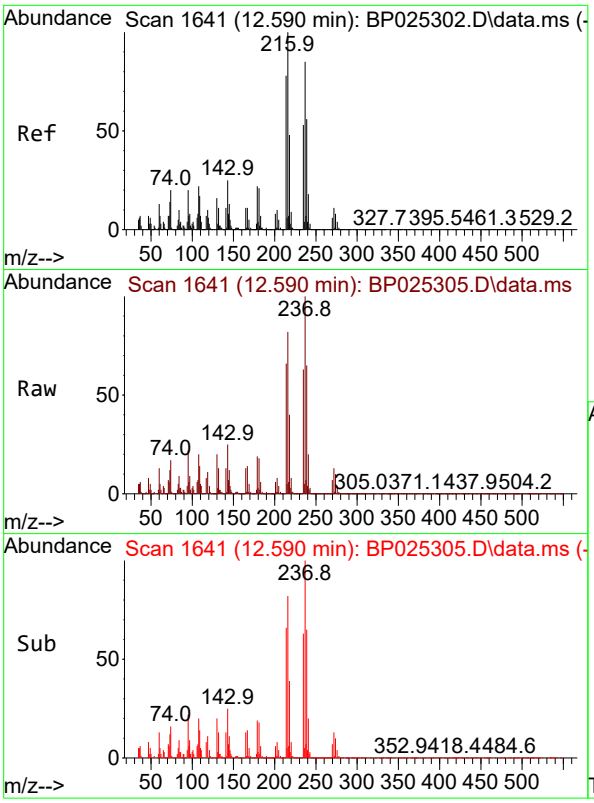


#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.897 ng
RT: 12.602 min Scan# 1643
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:216 Resp: 1636320

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.4	93.6
179	21.6	17.5	26.3
108	20.5	16.5	24.7





#41
Hexachlorocyclopentadiene
Concen: 86.171 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:237 Resp: 111718

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.2	82.2
272	12.7	0.0	32.8

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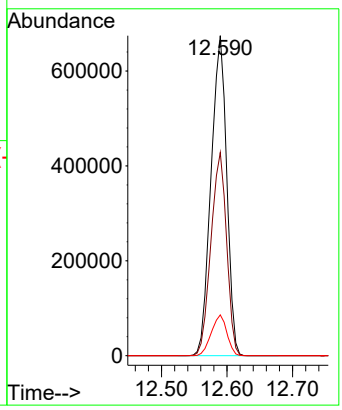
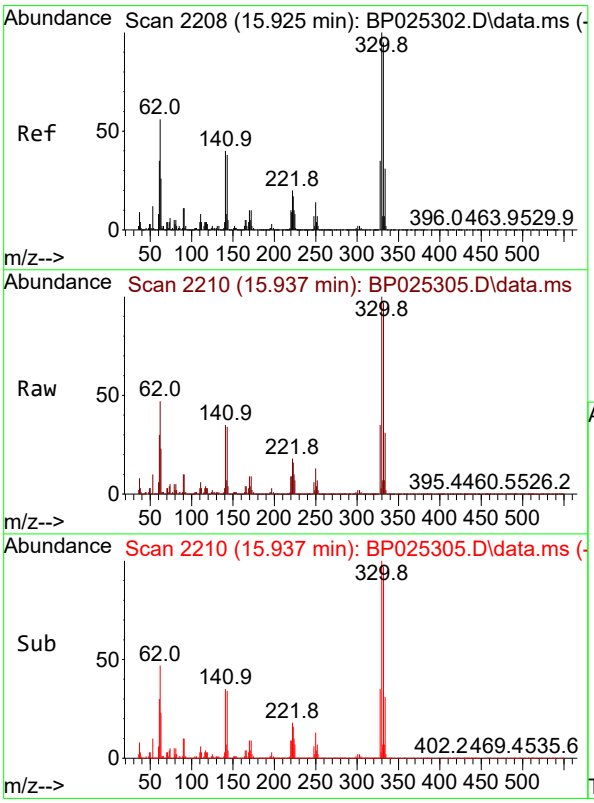
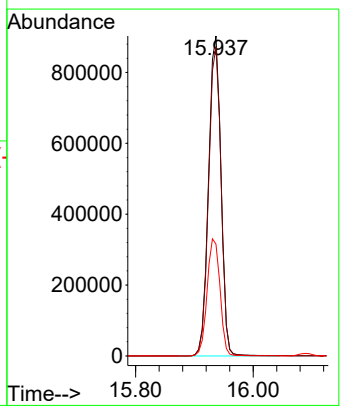


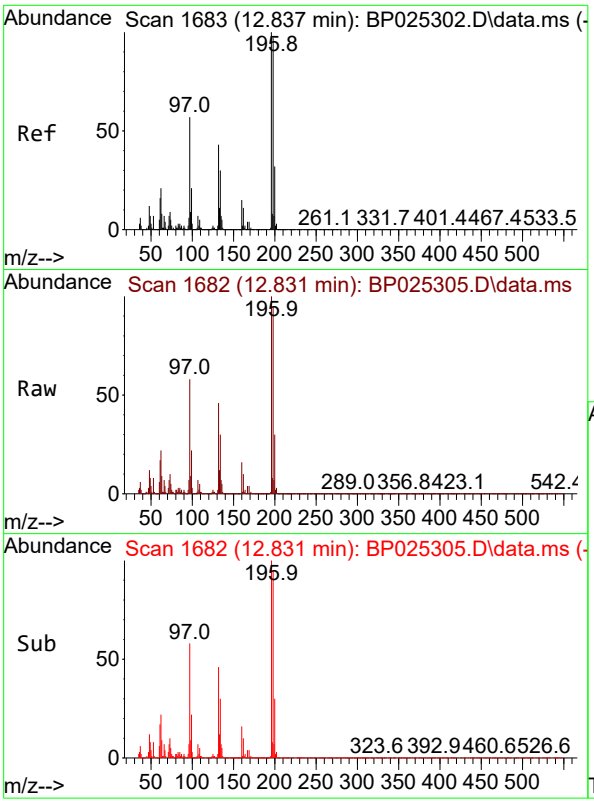


#42
2,4,6-Tribromophenol
Concen: 166.729 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:330 Resp: 1324517

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	38.0	31.7	47.5

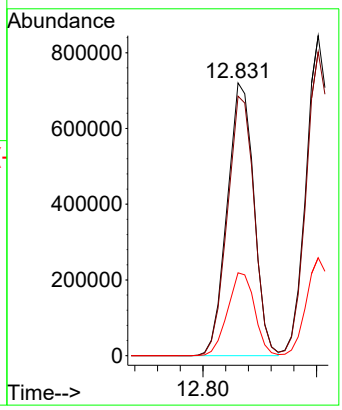




#43
2,4,6-Trichlorophenol
Concen: 86.791 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:196 Resp: 117773

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
200	30.4	25.4	38.2



Instrument :
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ClientSampleId :
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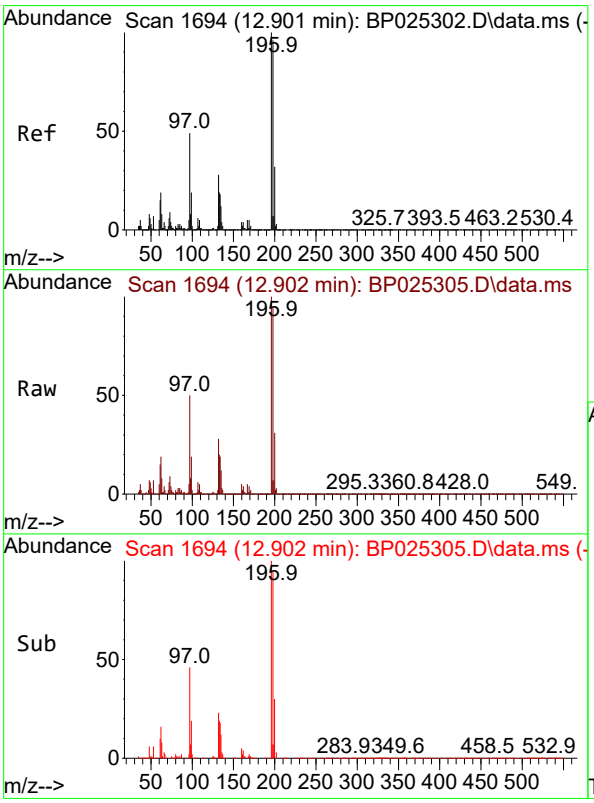
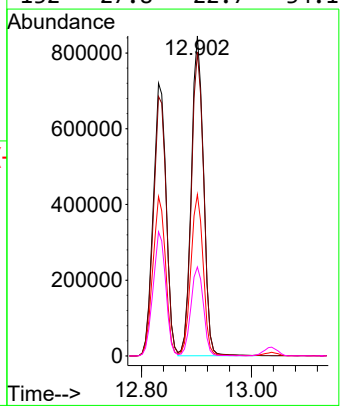
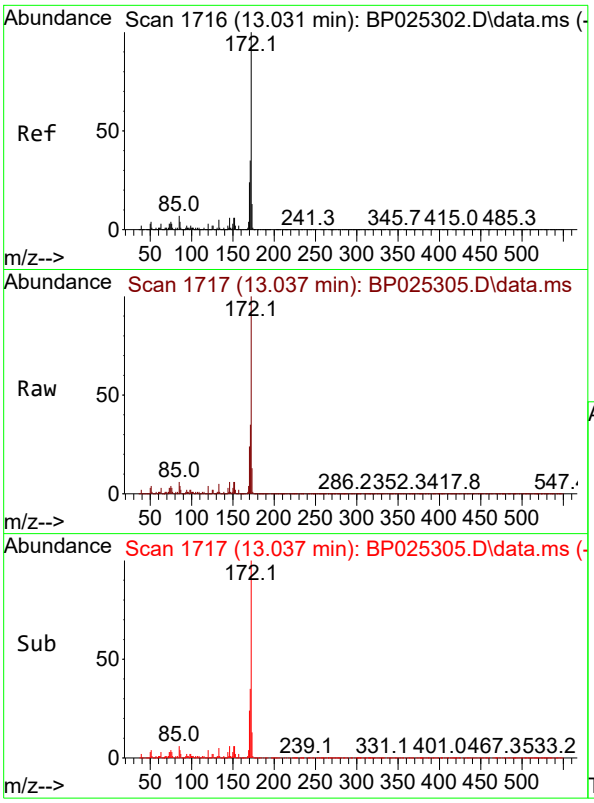


#44
2,4,5-Trichlorophenol
Concen: 85.453 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:196 Resp: 1300802

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.6	114.8
97	50.5	39.5	59.3
132	27.8	22.7	34.1

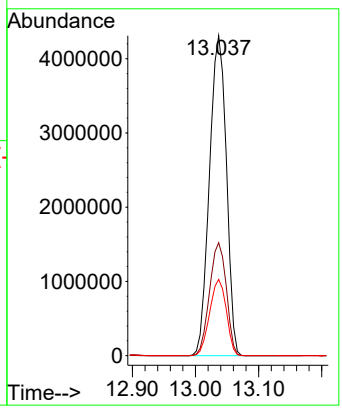




#45
2-Fluorobiphenyl
Concen: 144.776 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:172 Resp: 802195

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.9	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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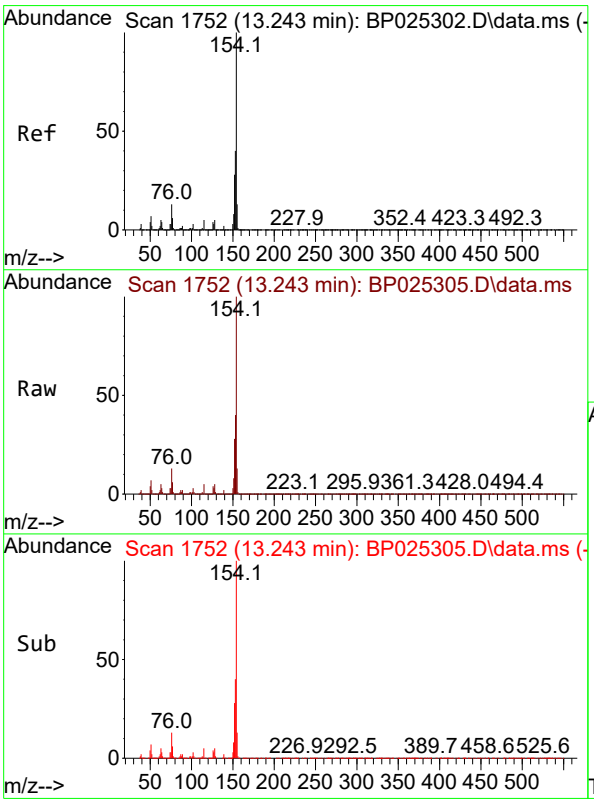
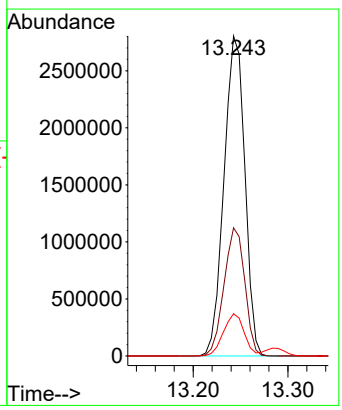
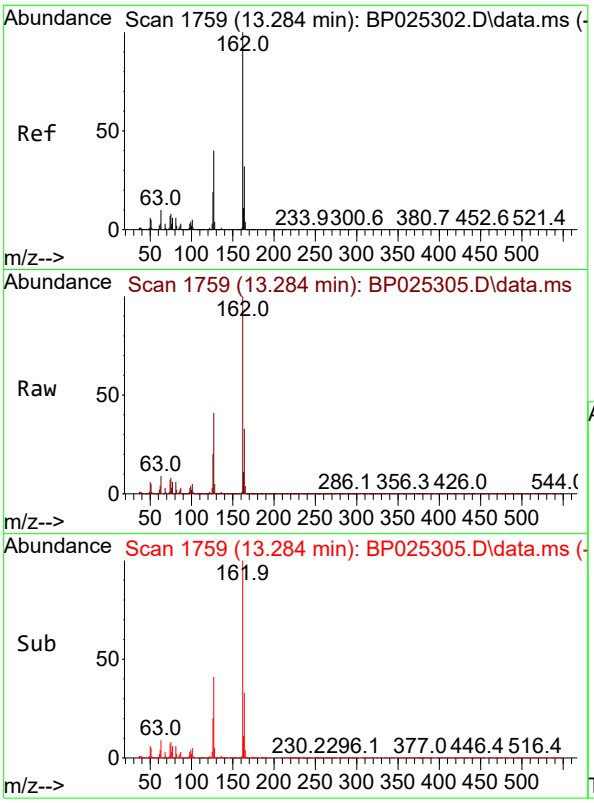


#46
1,1'-Biphenyl
Concen: 75.702 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 4292450

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.9	59.9
76	13.2	0.0	33.2

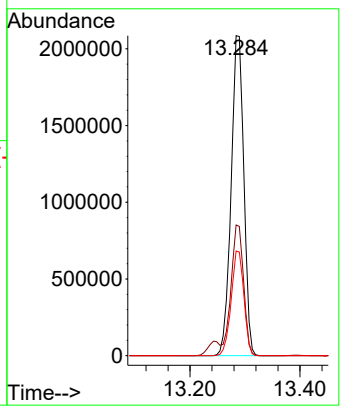




#47
2-Chloronaphthalene
Concen: 77.444 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:162 Resp: 335015

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.2	48.2
164	32.7	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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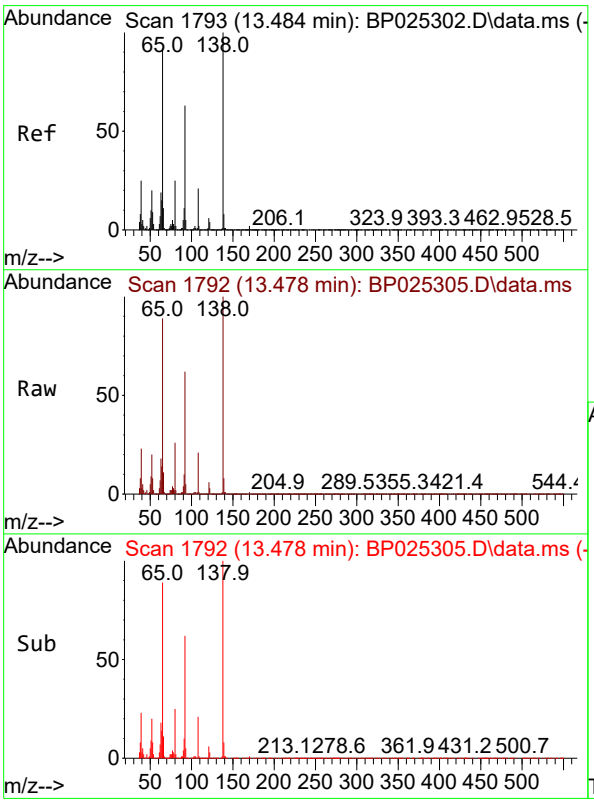
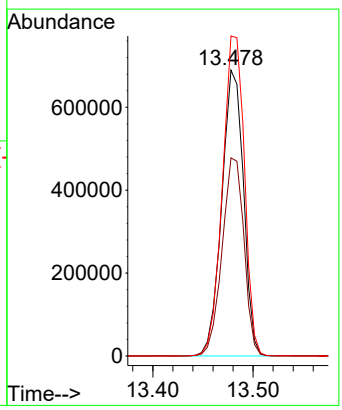
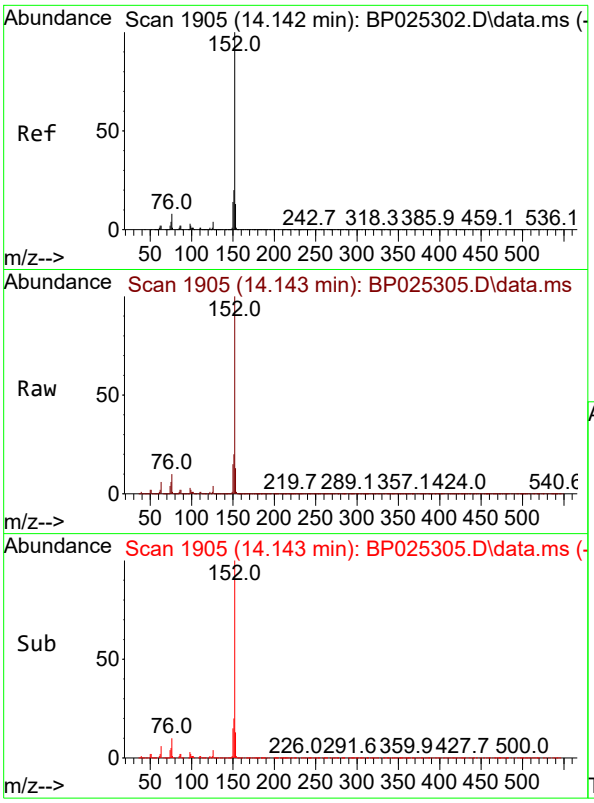


#48
2-Nitroaniline
Concen: 79.733 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 65 Resp: 1036853

Ion	Ratio	Lower	Upper
65	100		
92	69.3	54.4	81.6
138	112.0	87.0	130.4





#49
Acenaphthylene
Concen: 76.758 ng
RT: 14.143 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 553869

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6

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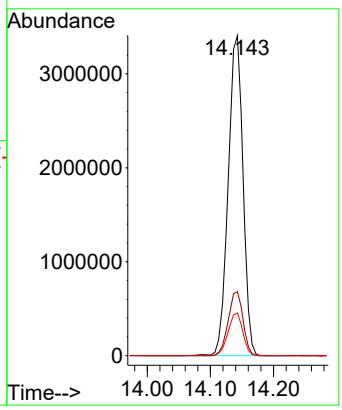
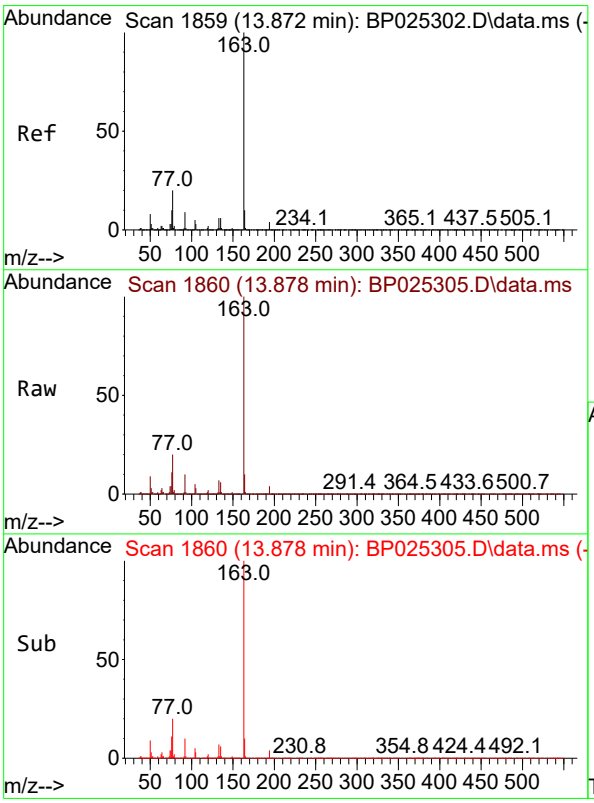
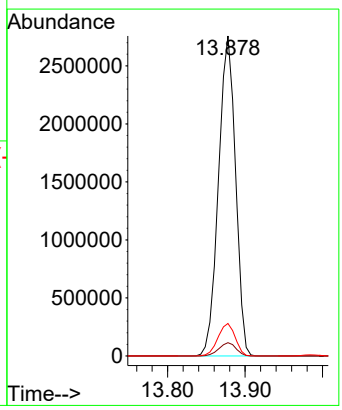


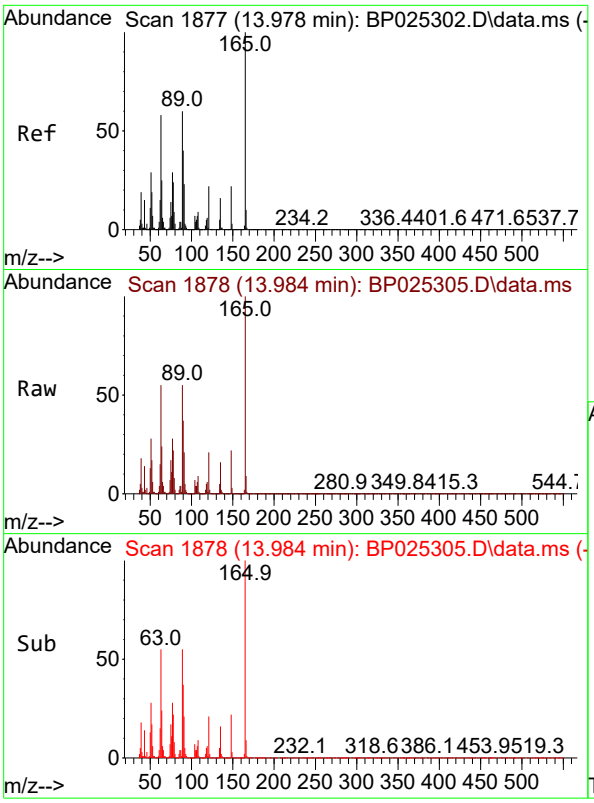


#50
Dimethylphthalate
Concen: 75.353 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:163 Resp: 4226530

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 90.453 ng
RT: 13.984 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:165 Resp: 93581

Ion	Ratio	Lower	Upper
165	100		
63	55.3	47.6	71.4
89	55.4	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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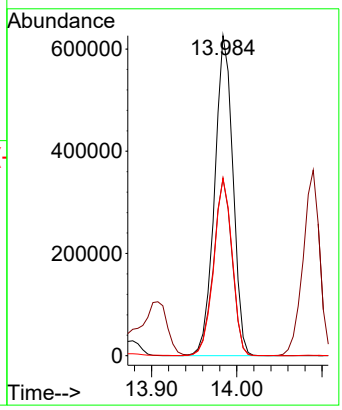
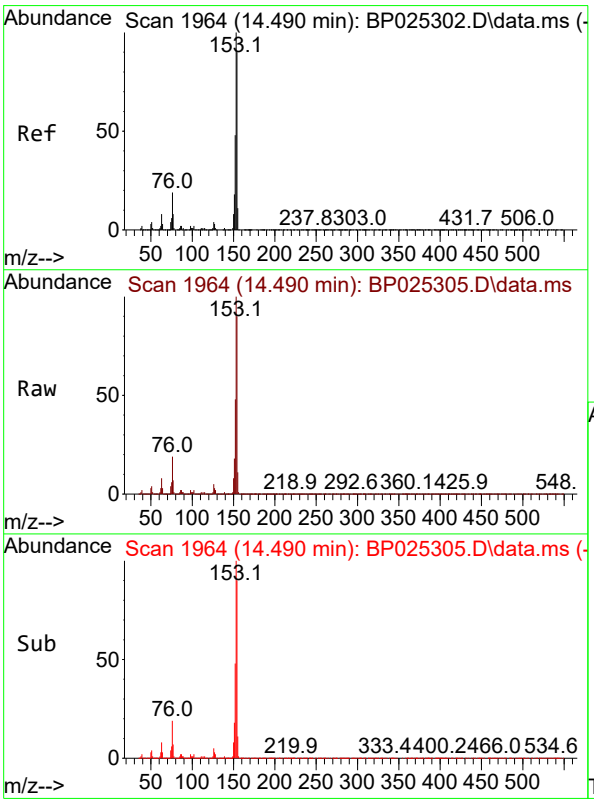
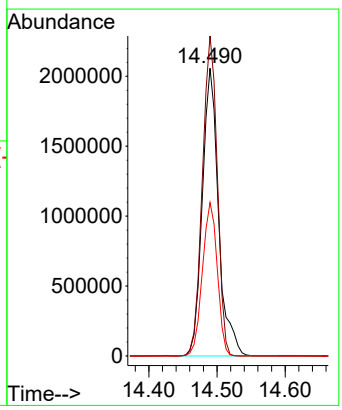


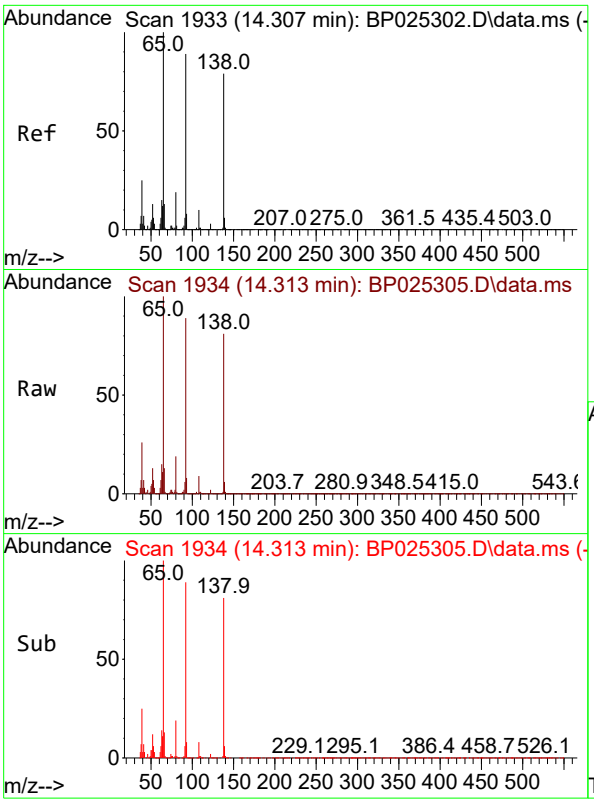


#52
Acenaphthene
Concen: 77.379 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 3405740

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.3	43.0	64.6





#53
3-Nitroaniline
Concen: 91.252 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:138 Resp: 110470

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.5	15.7
92	109.9	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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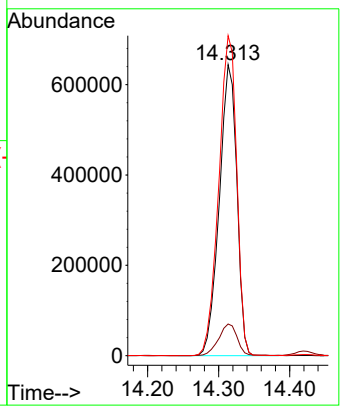
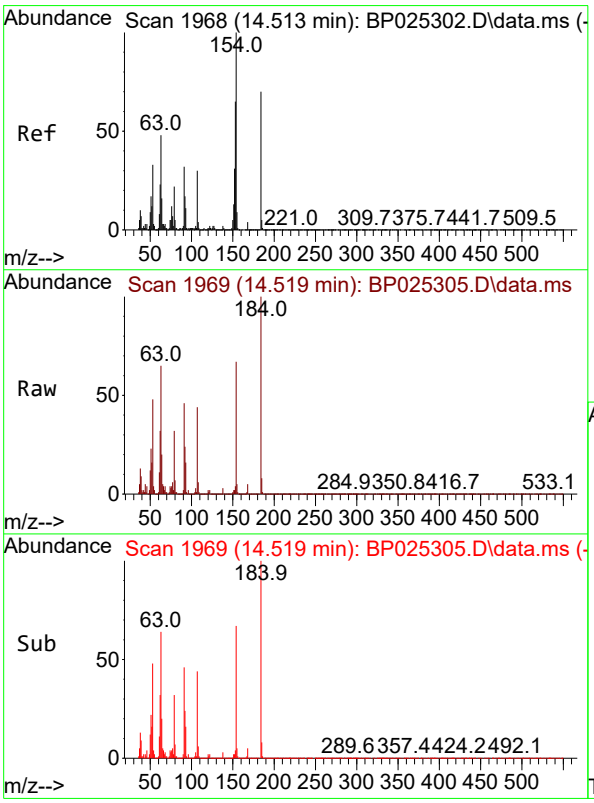
Supervised By :Jagrut Upadhyay 08/06/2025

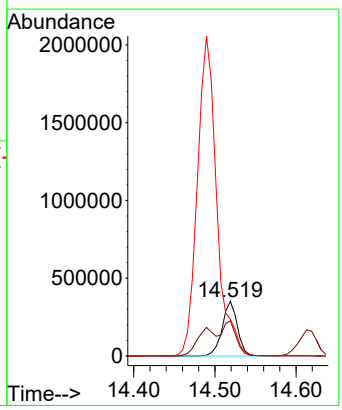


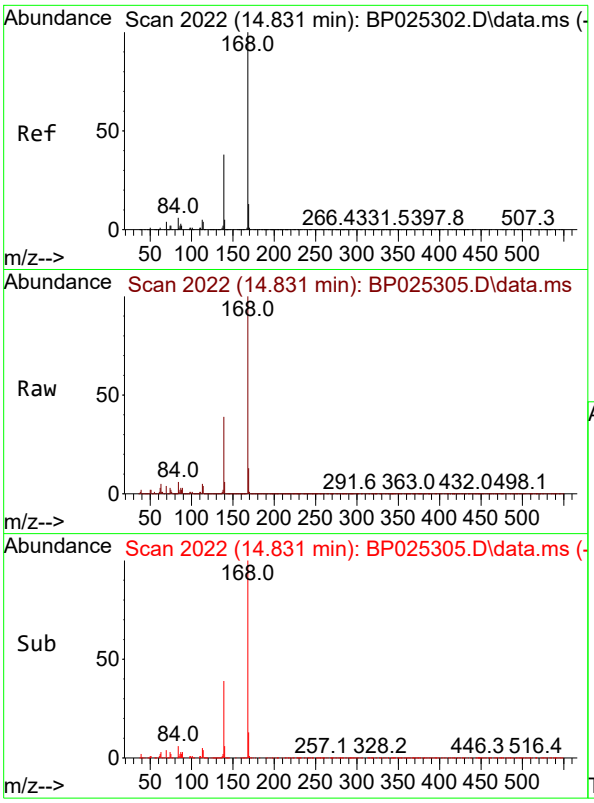


#54
2,4-Dinitrophenol
Concen: 79.662 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:184 Resp: 457765

Ion	Ratio	Lower	Upper
184	100		
63	64.6	56.3	84.5
154	67.5	124.5	186.7#

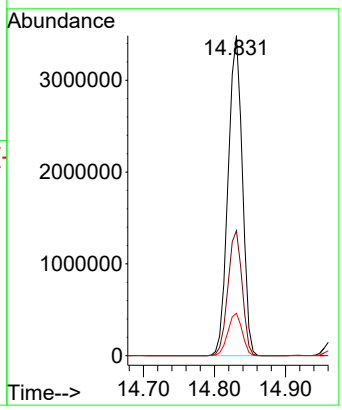




#55
Dibenzofuran
Concen: 73.640 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:168 Resp: 484360

Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.5	45.7
169	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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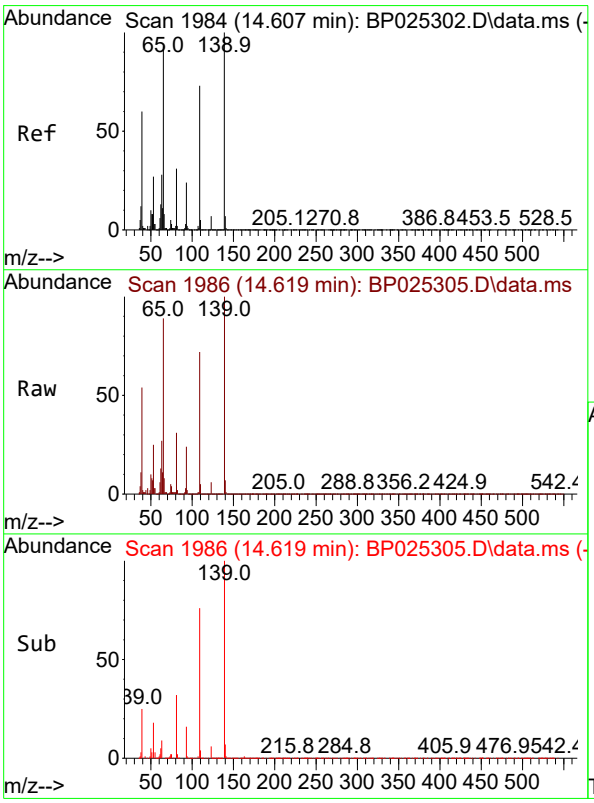
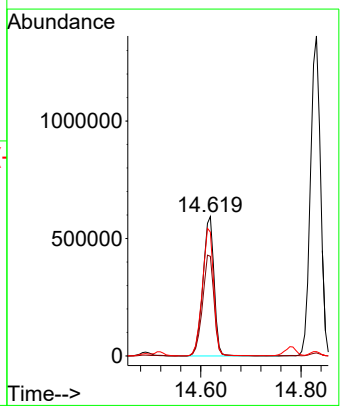
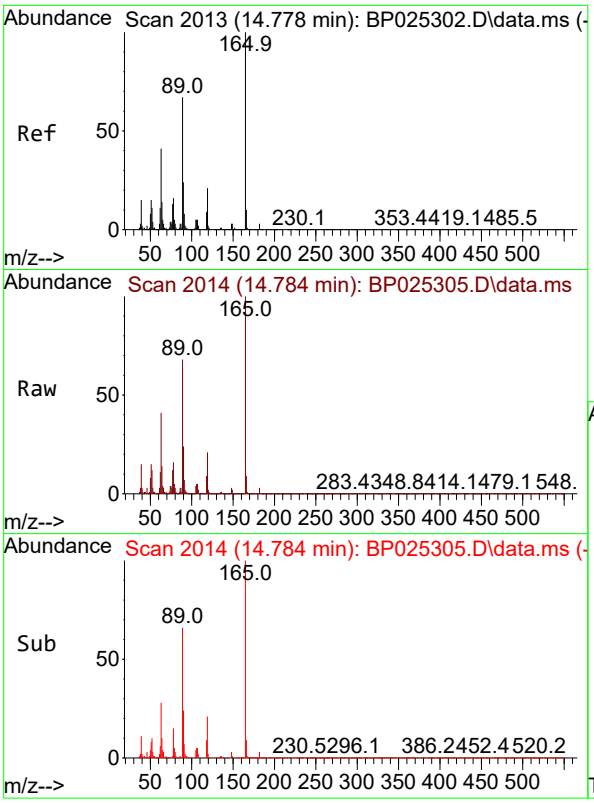


#56
4-Nitrophenol
Concen: 85.952 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 918340

Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.7	92.7
65	88.9	73.4	113.4

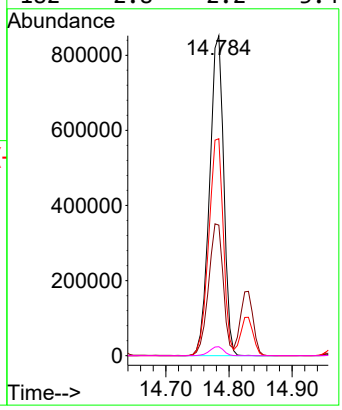




#57
2,4-Dinitrotoluene
Concen: 80.213 ng
RT: 14.784 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:165 Resp: 132402

Ion	Ratio	Lower	Upper
165	100		
63	40.8	33.2	49.8
89	67.8	53.5	80.3
182	2.8	2.2	3.4



Instrument :
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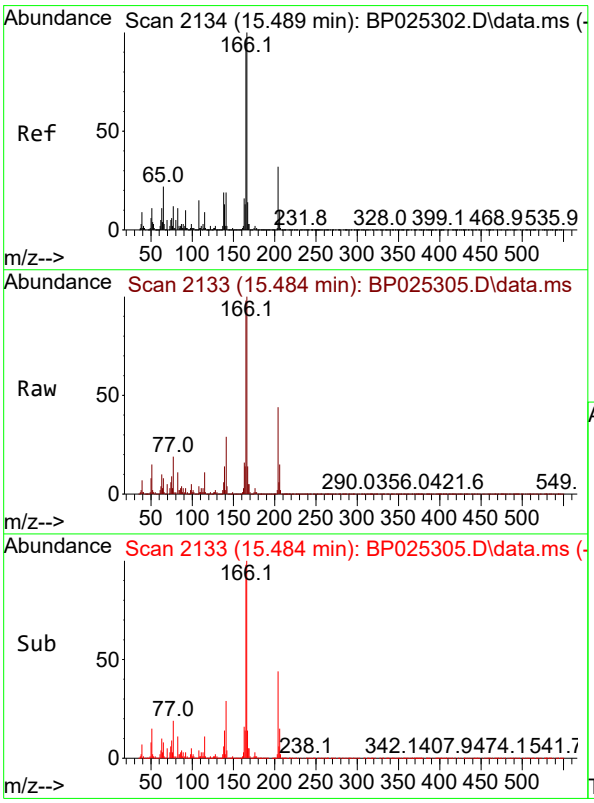
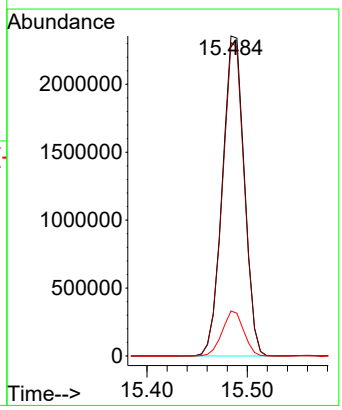
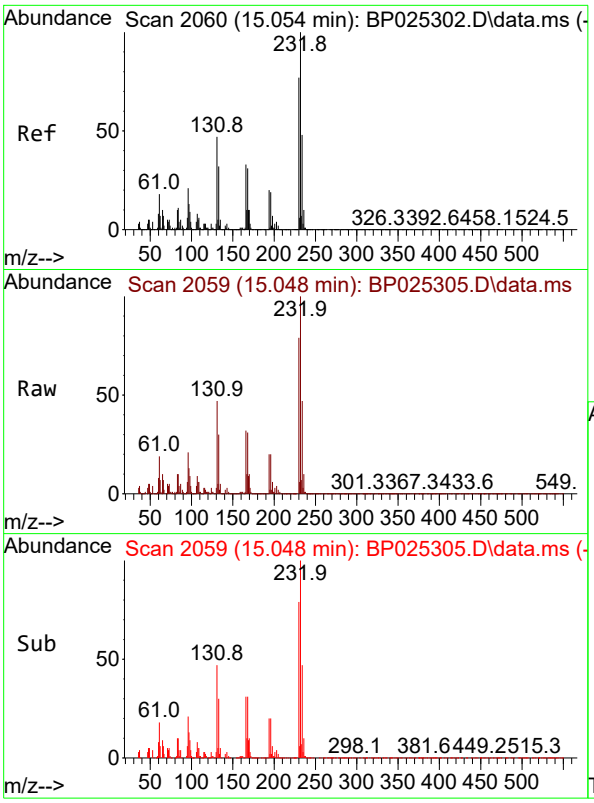


#58
Fluorene
Concen: 69.303 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:166 Resp: 3580163

Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.7	115.1
167	14.0	10.9	16.3

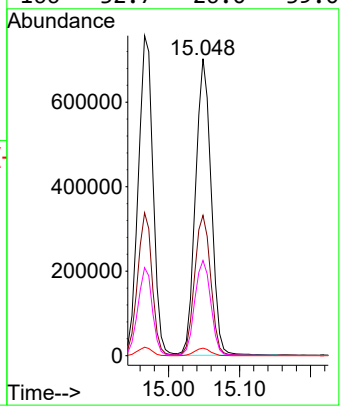




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.394 ng
RT: 15.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:232 Resp: 107947

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0



Instrument :
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ClientSampleId :
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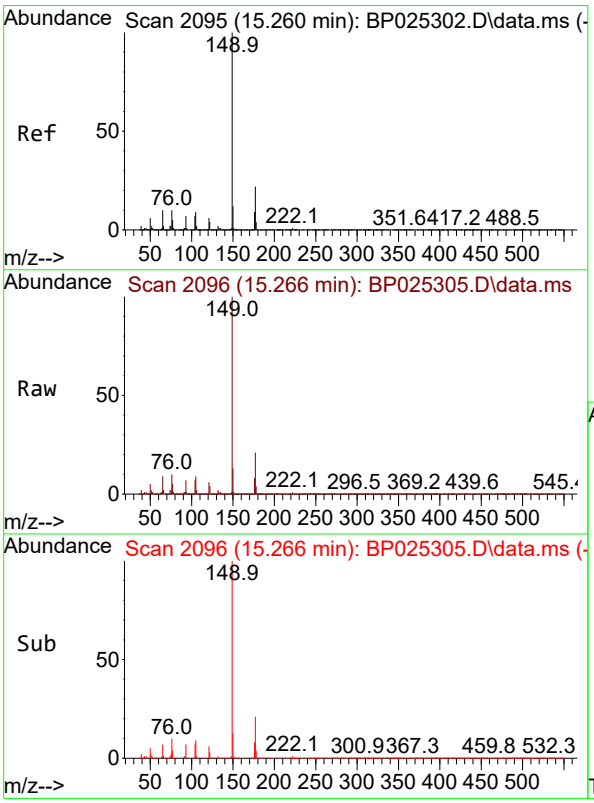
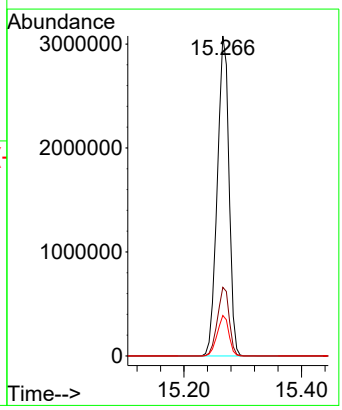
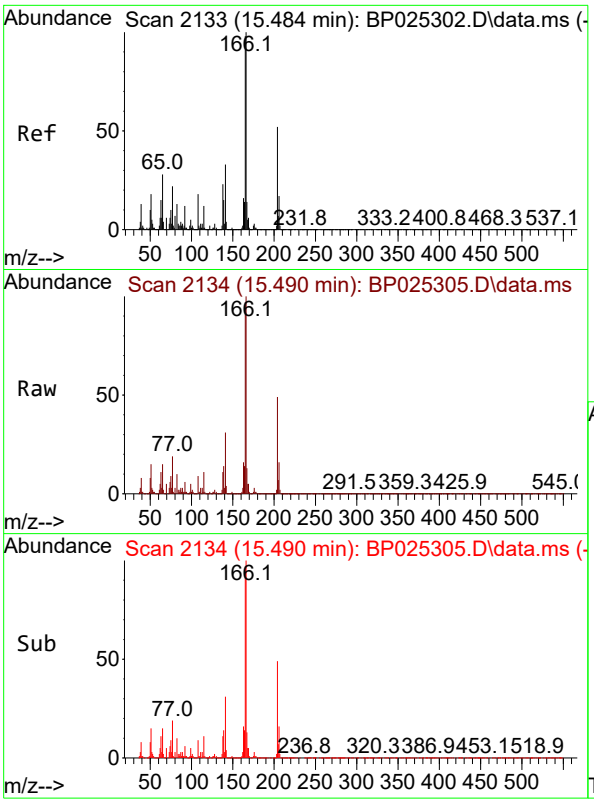


#60
Diethylphthalate
Concen: 75.138 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4248904

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	9.8	14.8

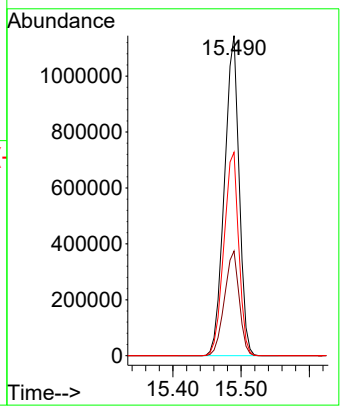




#61
4-Chlorophenyl-phenylether
Concen: 70.093 ng
RT: 15.490 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:204 Resp: 171662

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	63.6	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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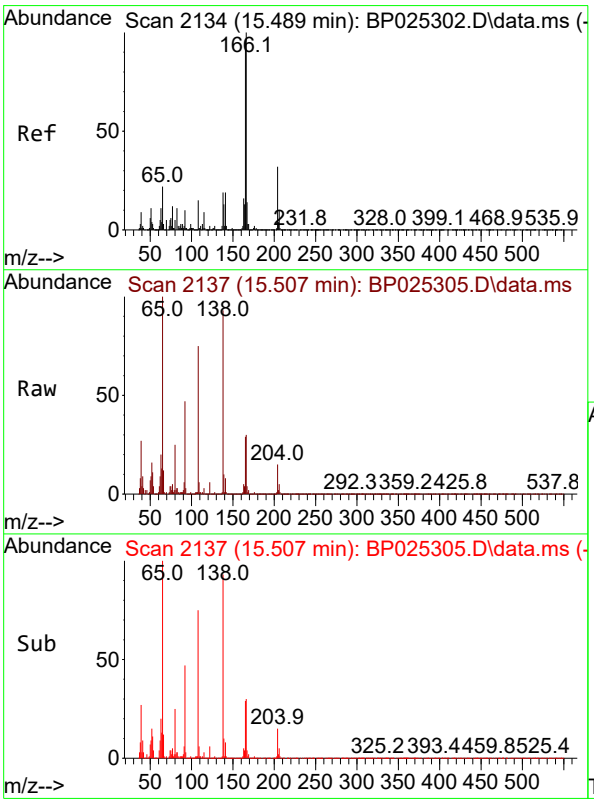
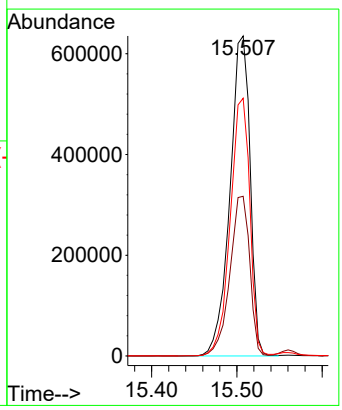
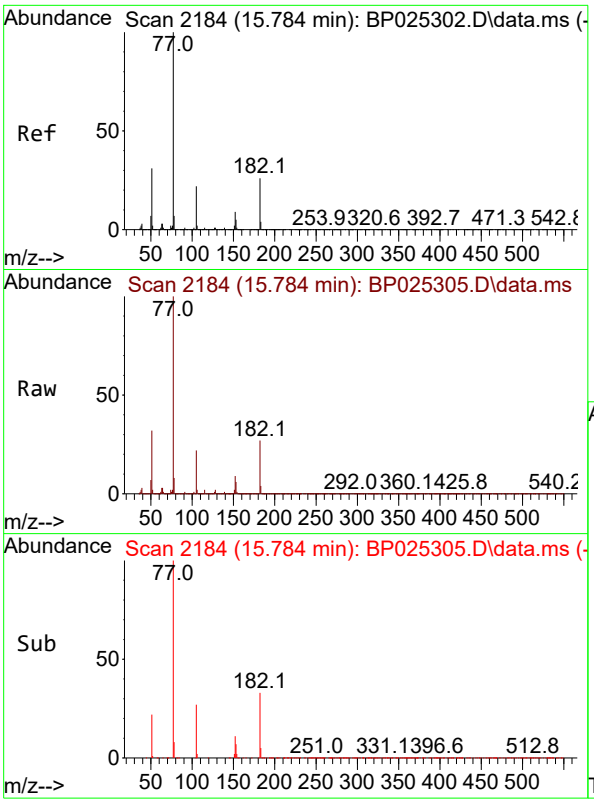


#62
4-Nitroaniline
Concen: 86.933 ng
RT: 15.507 min Scan# 2137
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:138 Resp: 1042796

Ion	Ratio	Lower	Upper
138	100		
92	49.9	29.8	69.8
108	80.5	56.6	96.6

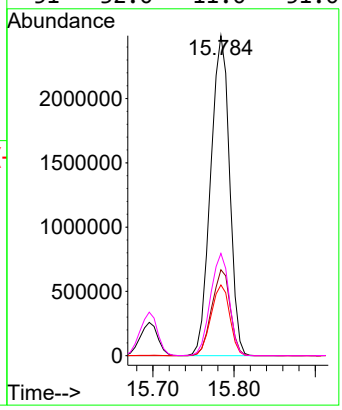




#63
Azobenzene
Concen: 76.490 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 401824

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.0	46.0
105	22.1	2.1	42.1
51	32.0	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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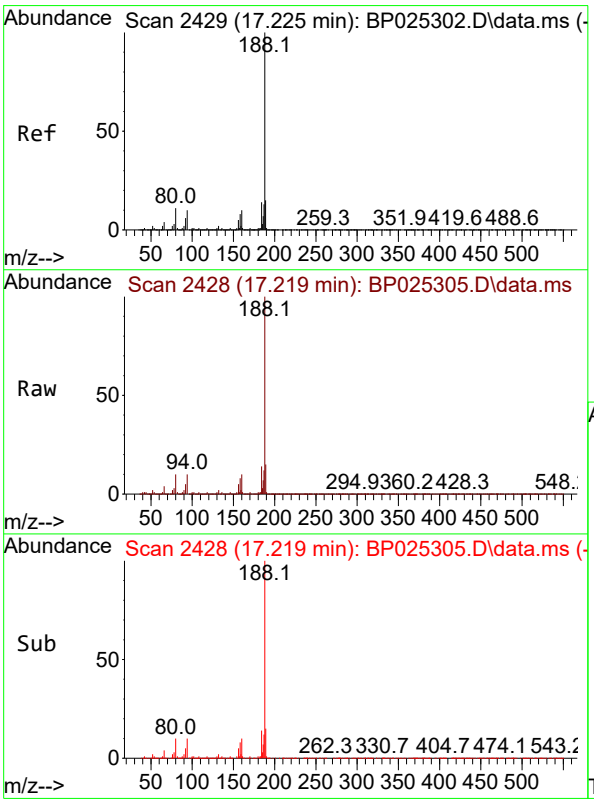
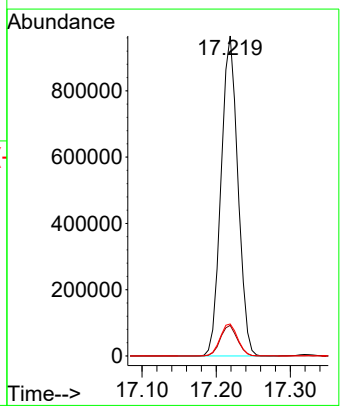
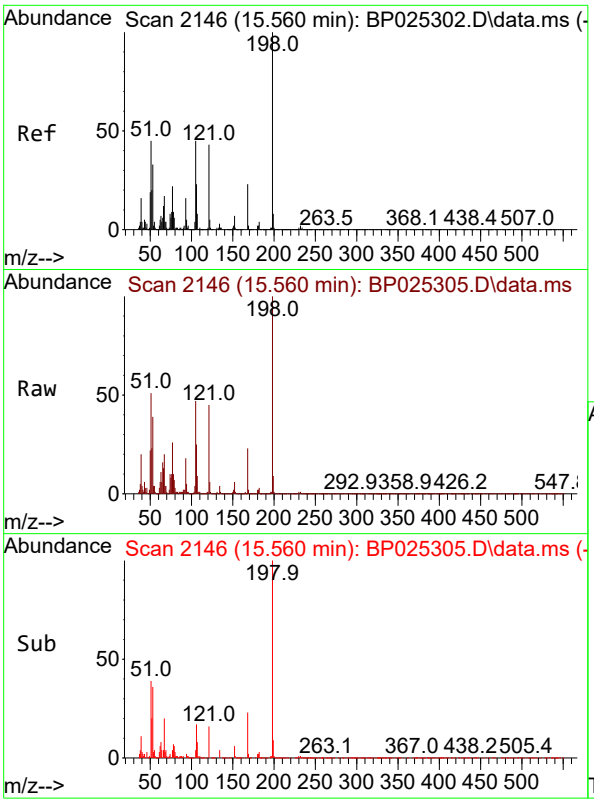


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:188 Resp: 1520824

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.0	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 78.886 ng
RT: 15.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:198 Resp: 65349

Ion	Ratio	Lower	Upper
198	100		
51	51.2	26.7	66.7
105	47.2	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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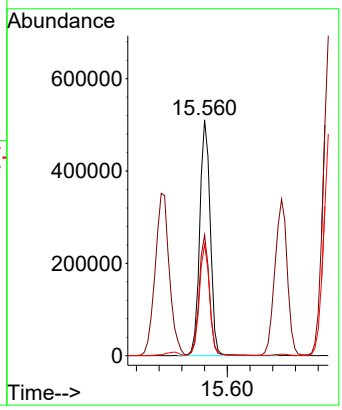
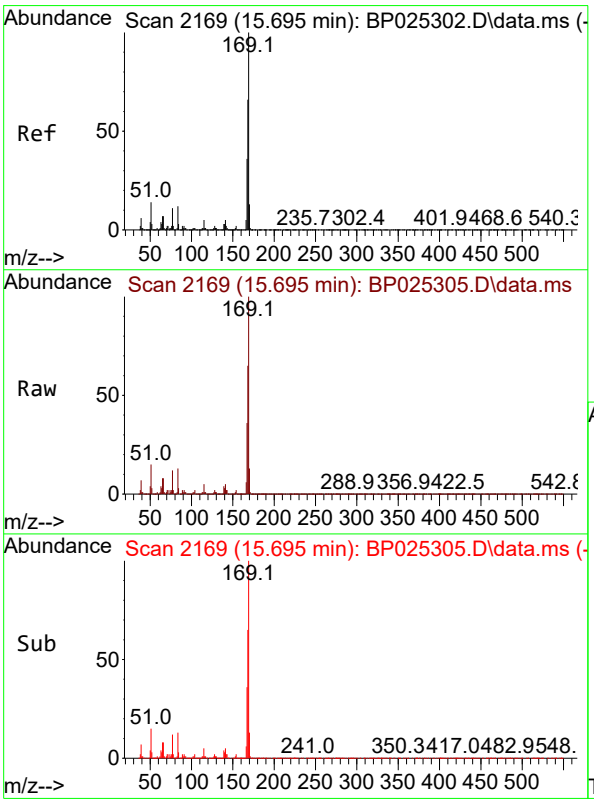
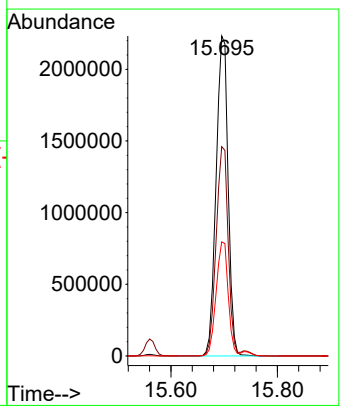


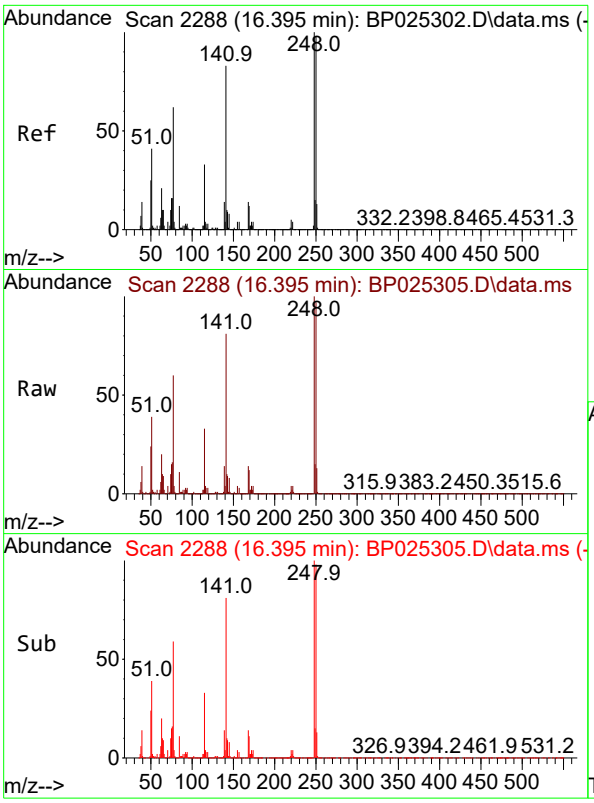


#66
n-Nitrosodiphenylamine
Concen: 75.135 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:169 Resp: 3479218

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.7	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 76.943 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 117739

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.6	117.8
141	81.0	66.6	99.8

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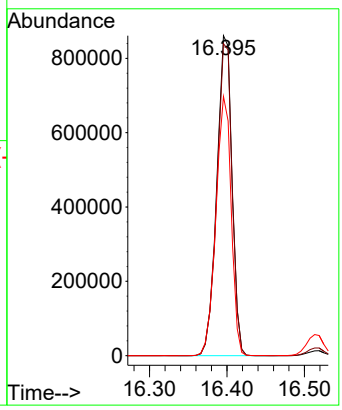
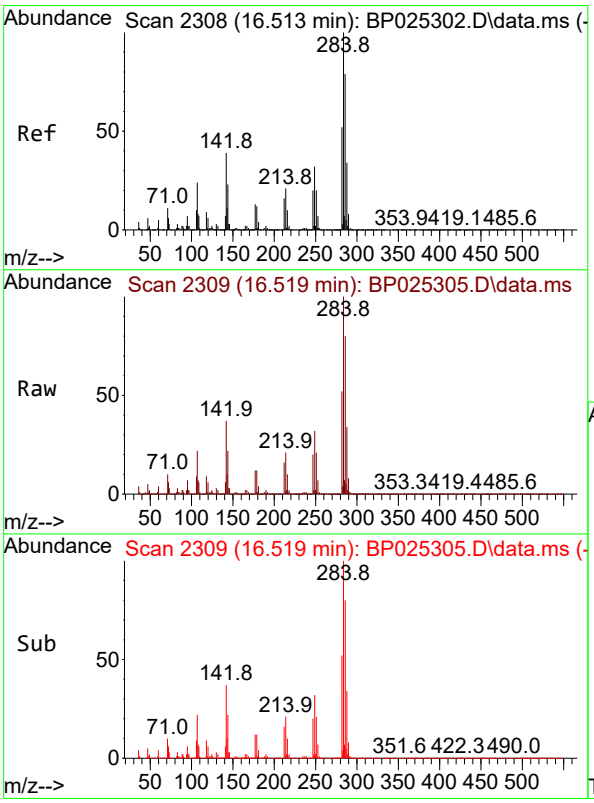
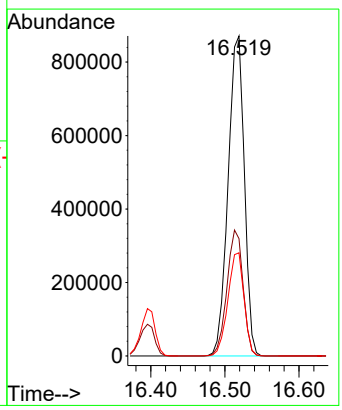


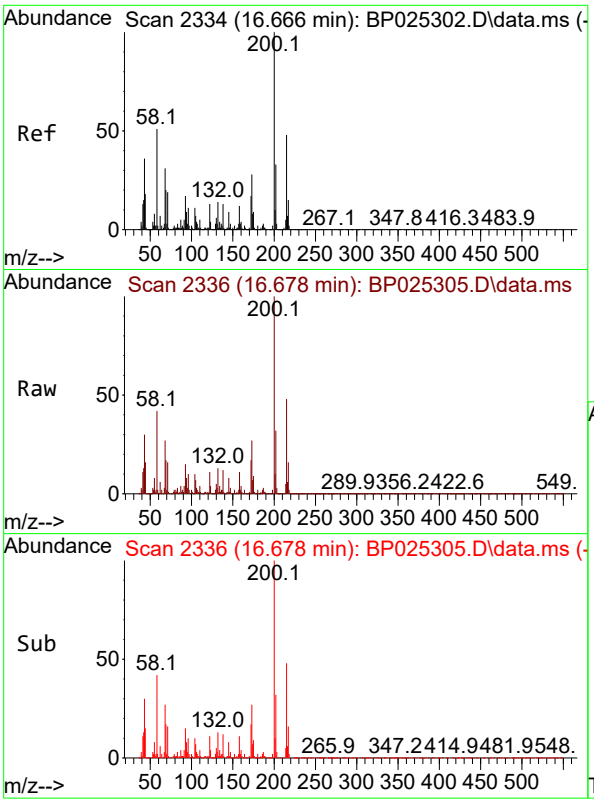


#68
Hexachlorobenzene
Concen: 77.280 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:284 Resp: 1326894

Ion	Ratio	Lower	Upper
284	100		
142	36.6	30.8	46.2
249	32.2	25.4	38.0

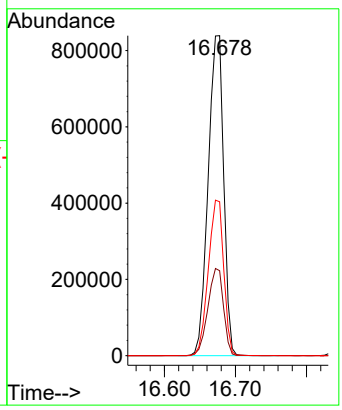




#69
Atrazine
Concen: 78.187 ng
RT: 16.678 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:200 Resp: 127325

Ion	Ratio	Lower	Upper
200	100		
173	26.6	8.2	48.2
215	48.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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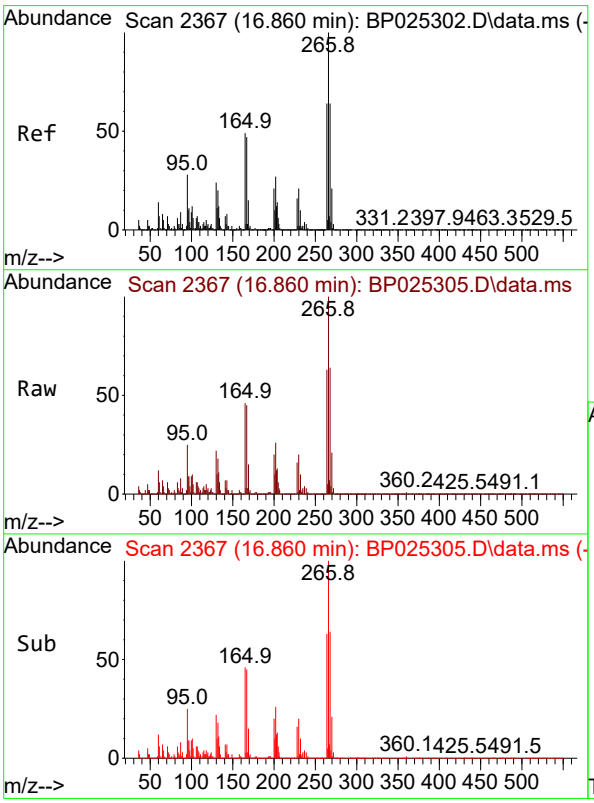
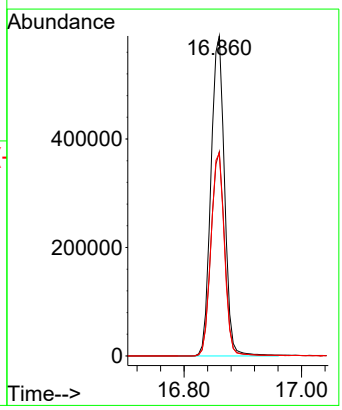
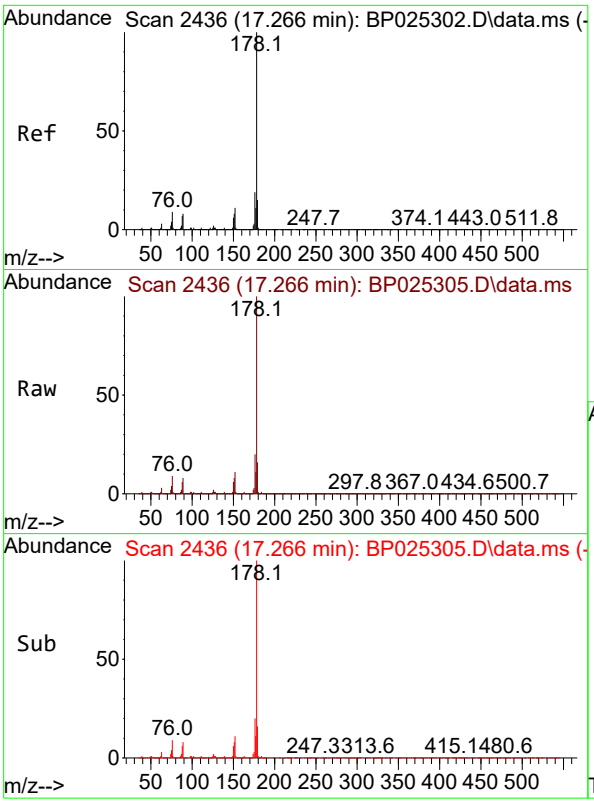


#70
Pentachlorophenol
Concen: 86.531 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:266 Resp: 946571

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.4	77.0
264	63.4	51.1	76.7

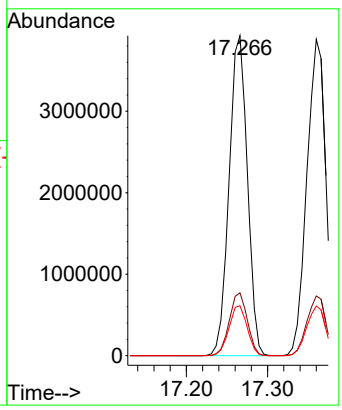




#71
Phenanthrene
Concen: 73.575 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:178 Resp: 612856

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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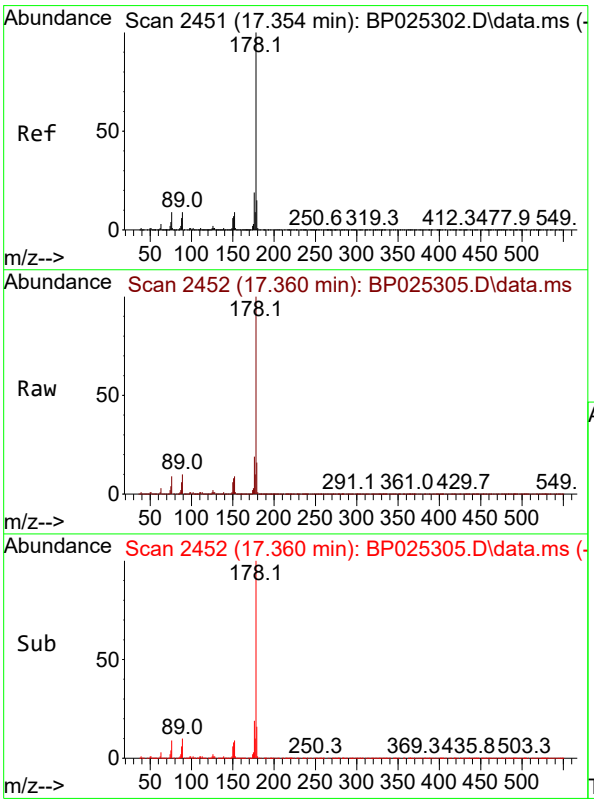
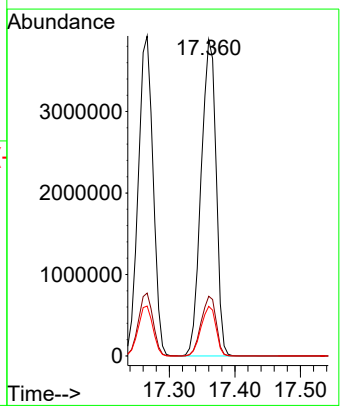
Supervised By :Jagrut Upadhyay 08/06/2025

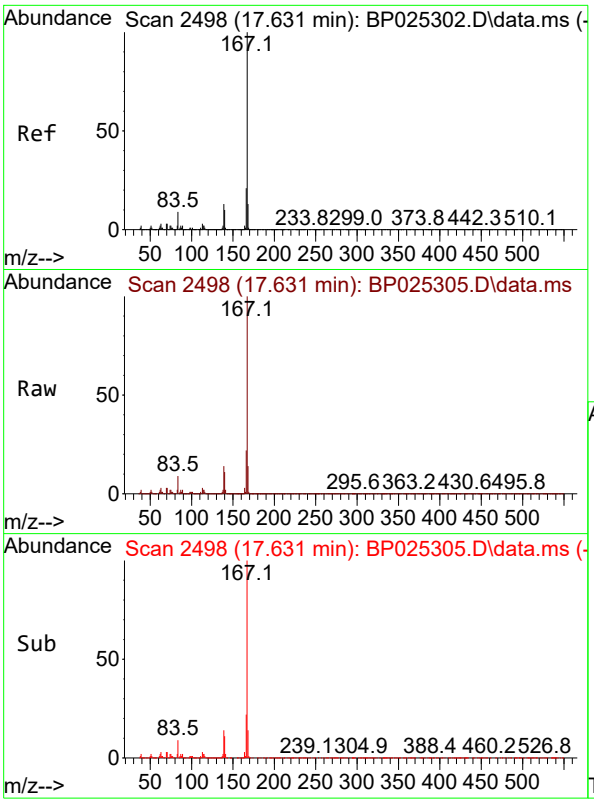


#72
Anthracene
Concen: 73.651 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:178 Resp: 6185852

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.7	12.3	18.5

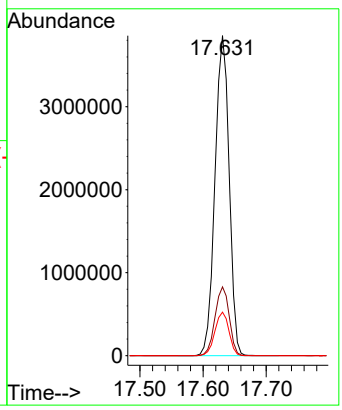




#73
Carbazole
Concen: 74.355 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:167 Resp: 599470

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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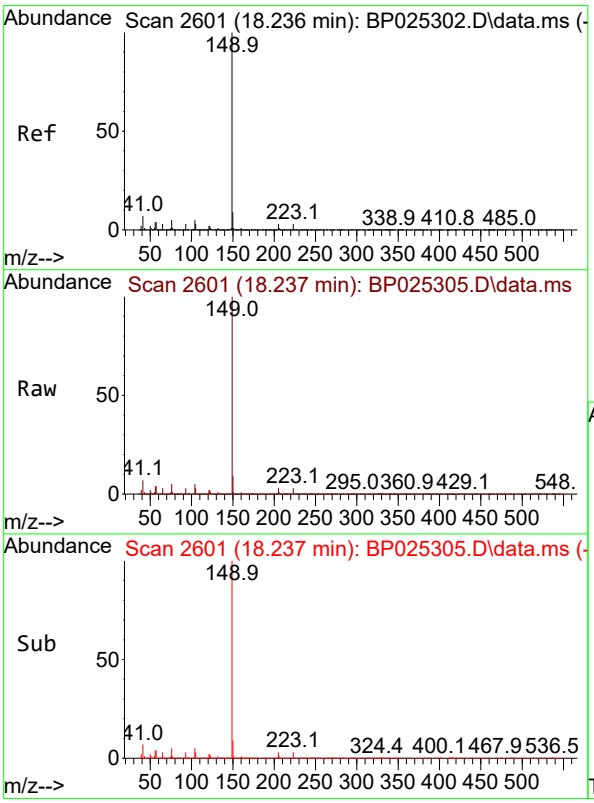
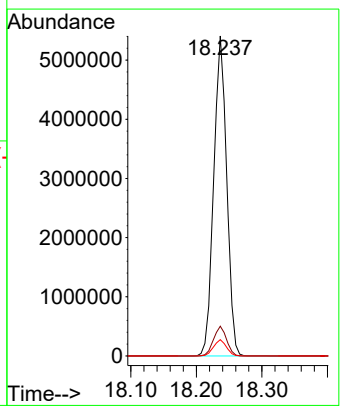
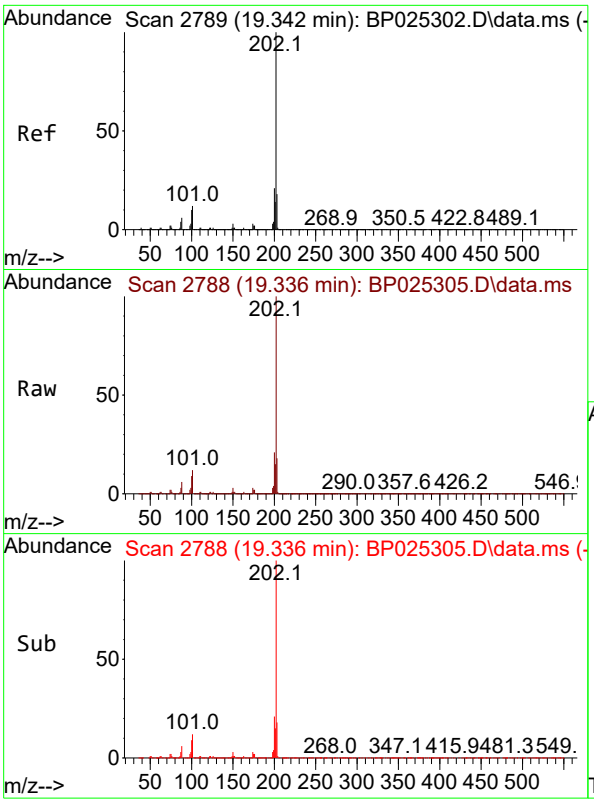


#74
Di-n-butylphthalate
Concen: 76.144 ng
RT: 18.237 min Scan# 2601
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 7426722

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1

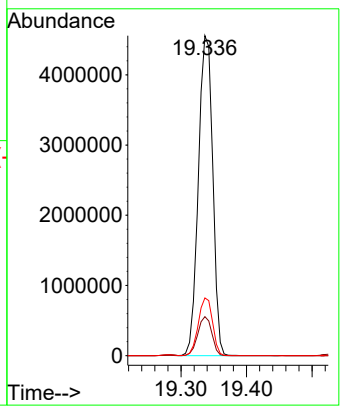




#75
Fluoranthene
Concen: 72.098 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:202 Resp: 695215

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.5
203	18.0	0.0	37.6



Instrument :
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ClientSampleId :
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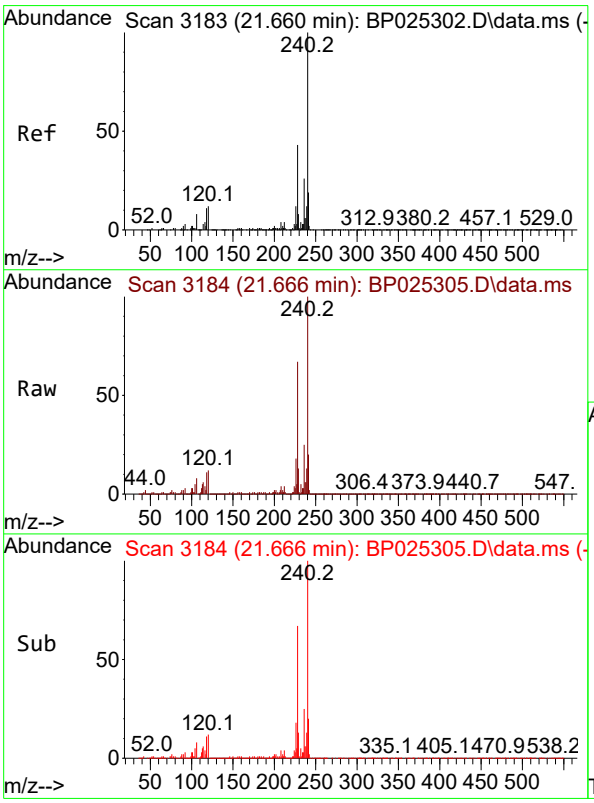
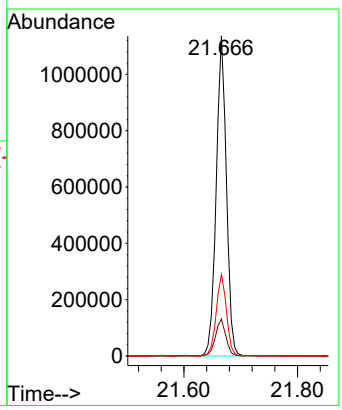
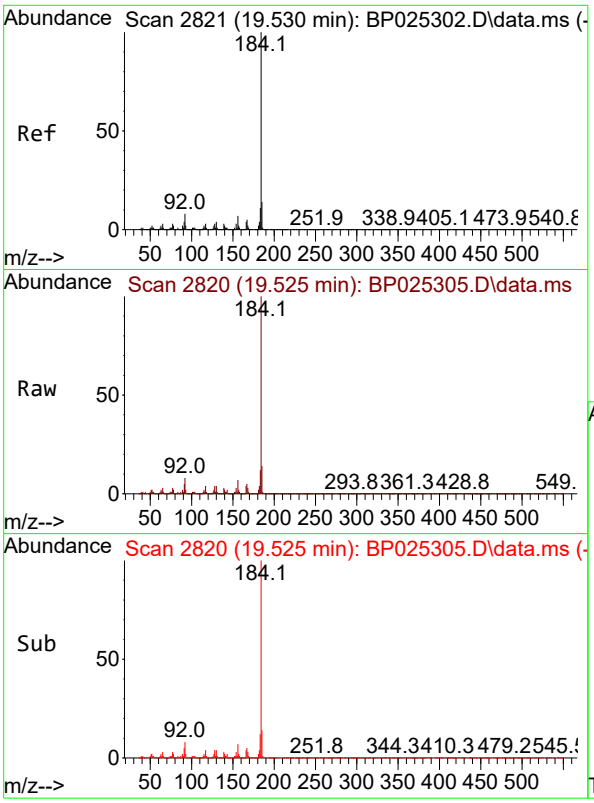


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:240 Resp: 1412527

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	25.5	20.4	30.6

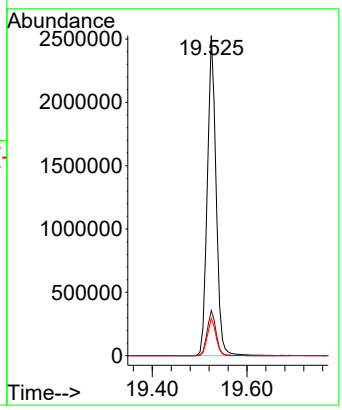




#77
Benzidine
Concen: 63.462 ng
RT: 19.525 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:184 Resp: 3244549

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.7	9.2	13.8



Instrument :
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ClientSampleId :
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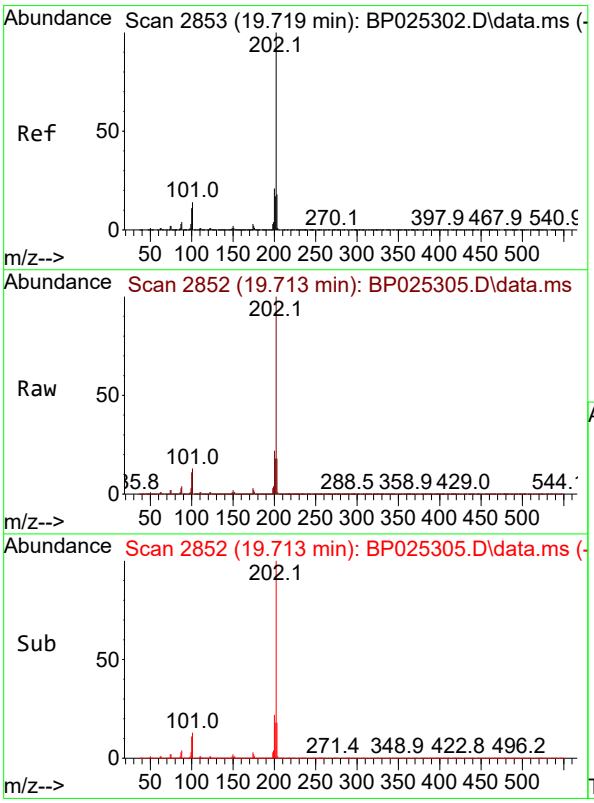
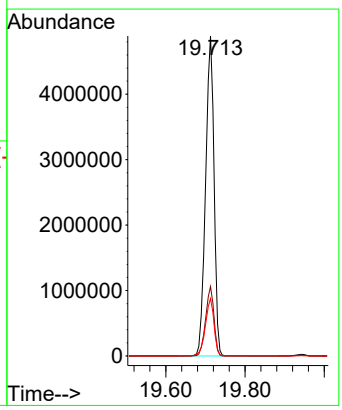
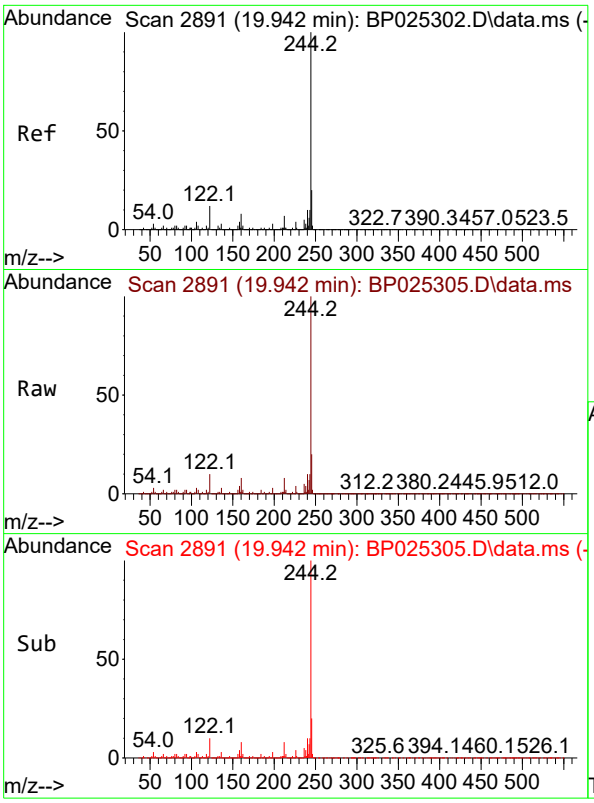


#78
Pyrene
Concen: 77.104 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:202 Resp: 7242380

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.7	25.1
203	18.0	14.1	21.1





#79
Terphenyl-d14
Concen: 143.182 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:1070569

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.1	9.5	14.3

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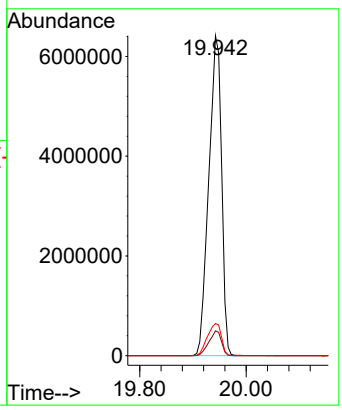
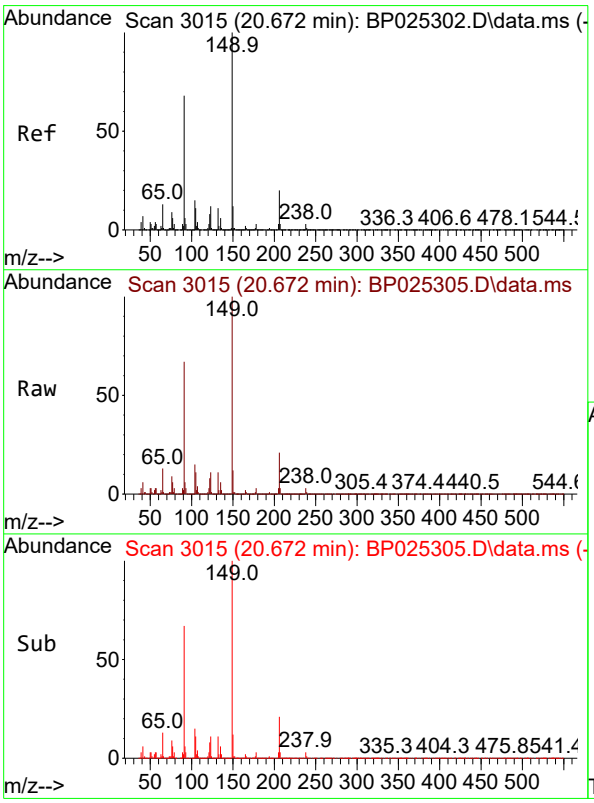
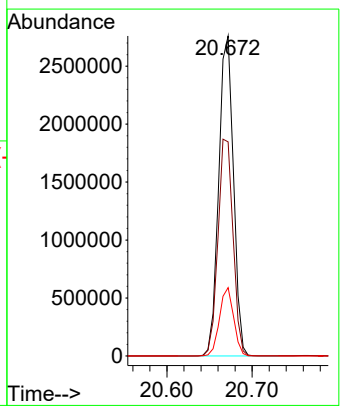


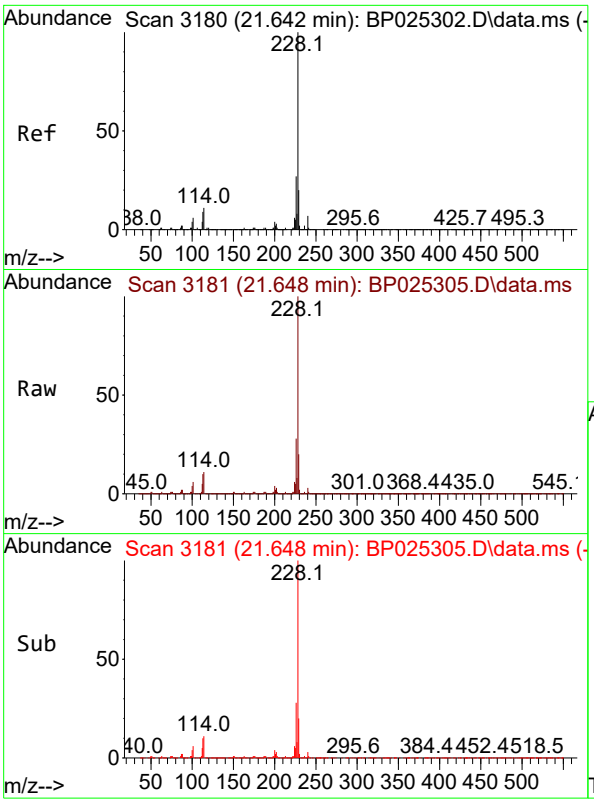


#80
Butylbenzylphthalate
Concen: 86.846 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 3308374

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.7	82.1
206	21.4	16.4	24.6

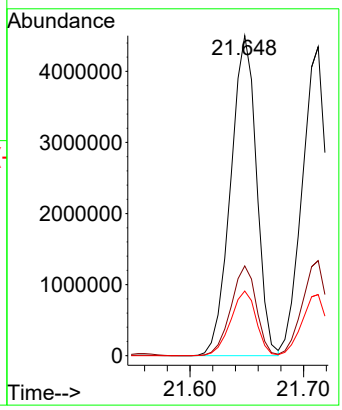




#81
Benzo(a)anthracene
Concen: 75.830 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:228 Resp: 711786

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.2	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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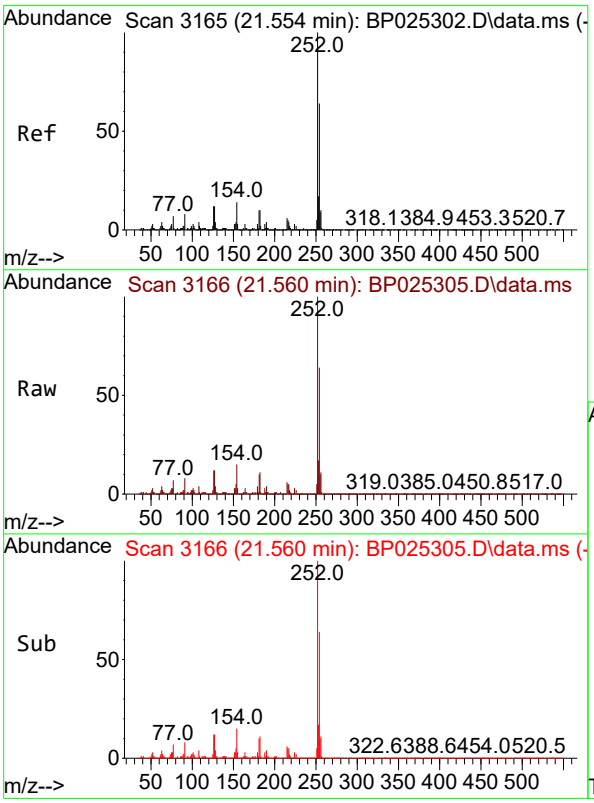
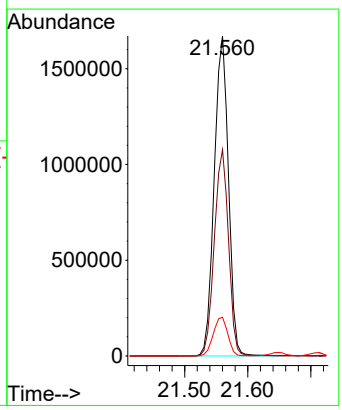
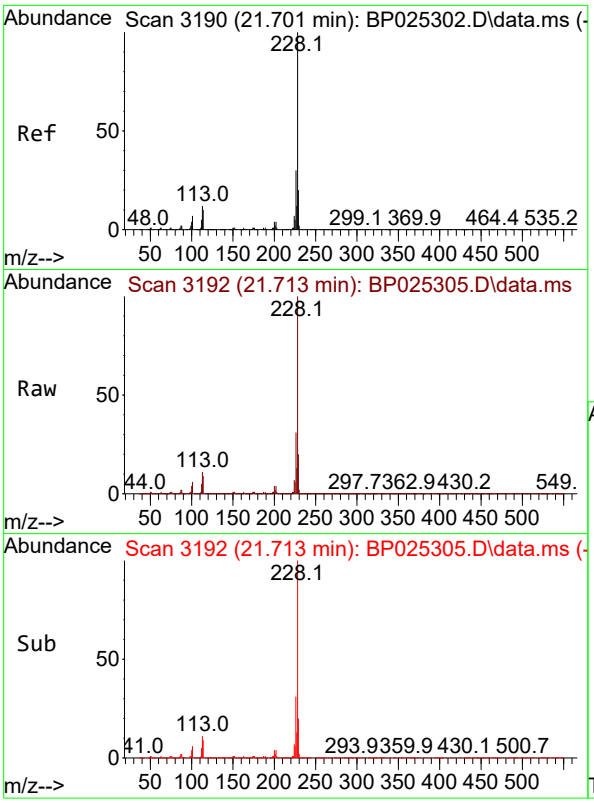


#82
3,3'-Dichlorobenzidine
Concen: 78.640 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 2604409

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.1	9.4	14.2

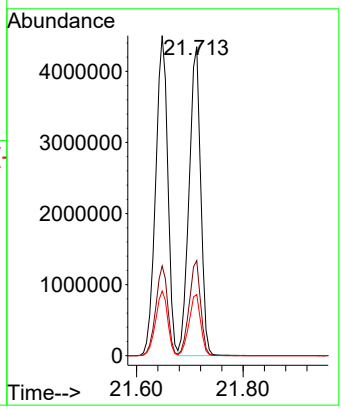




#83
Chrysene
Concen: 75.596 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:228 Resp: 658149

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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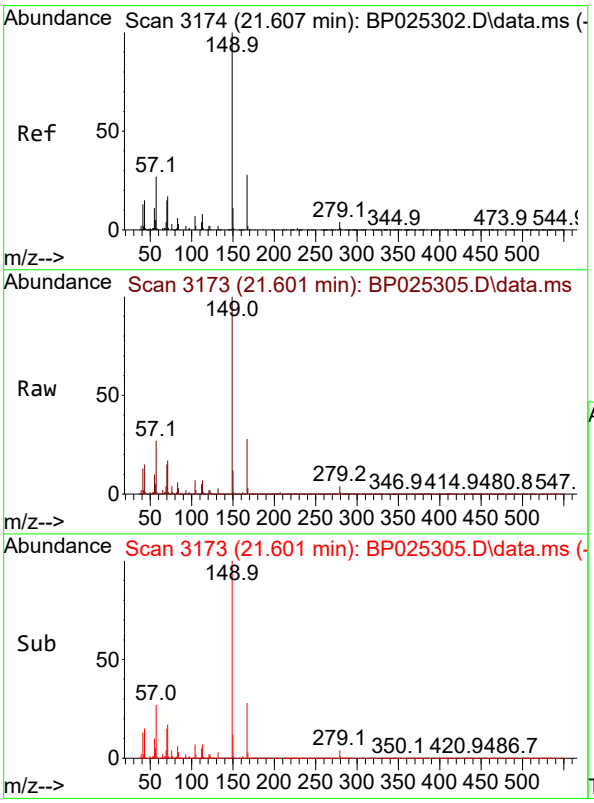
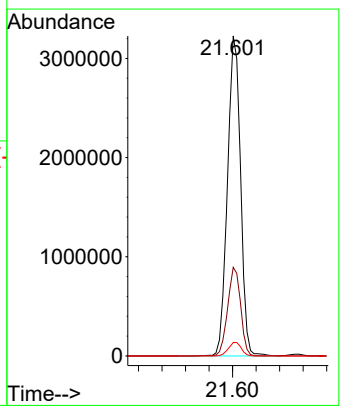
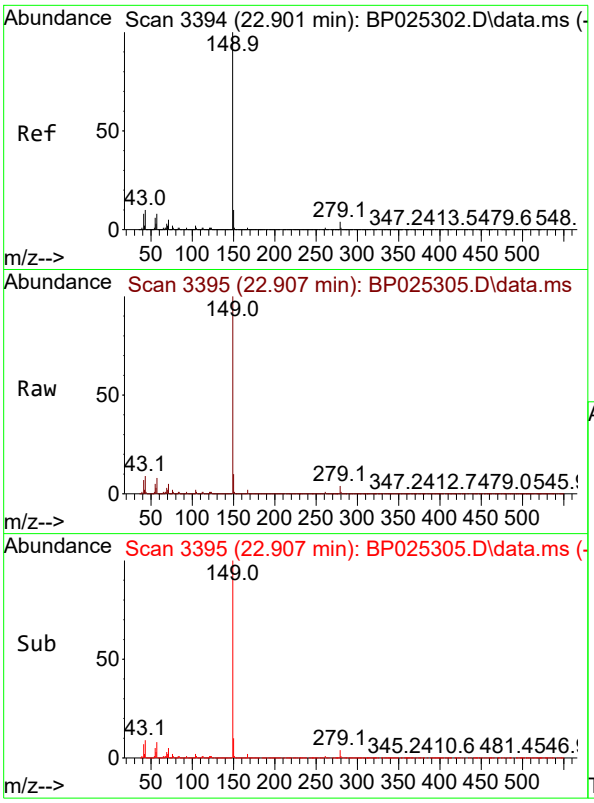


#84
Bis(2-ethylhexyl)phthalate
Concen: 81.923 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4983234

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.2	3.4	5.2

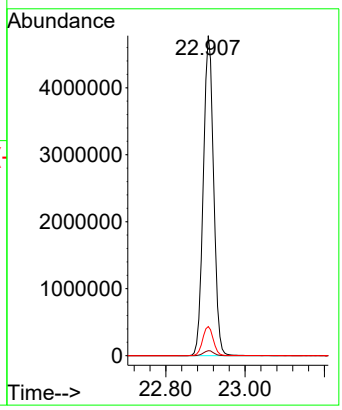




#85
Di-n-octyl phthalate
Concen: 84.688 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 862261

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
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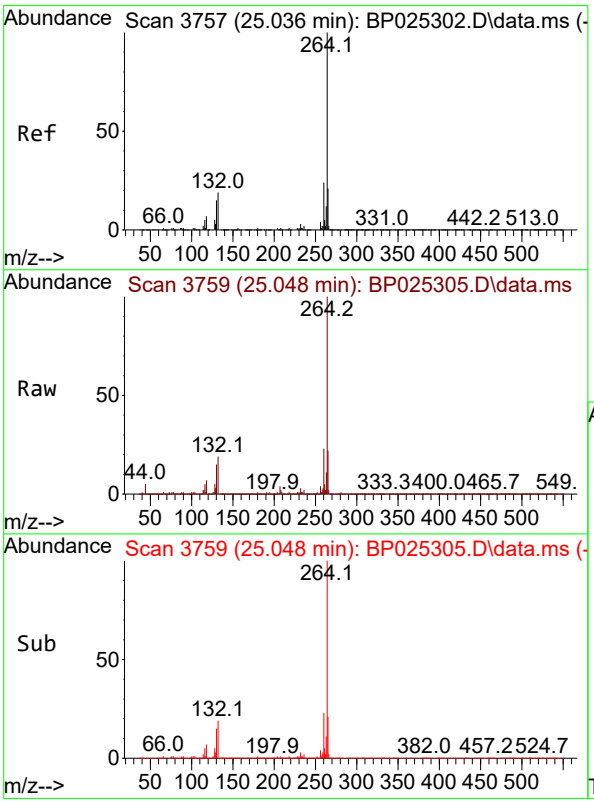
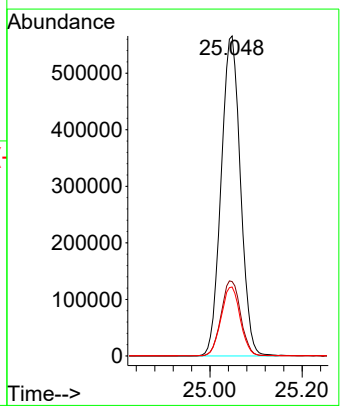
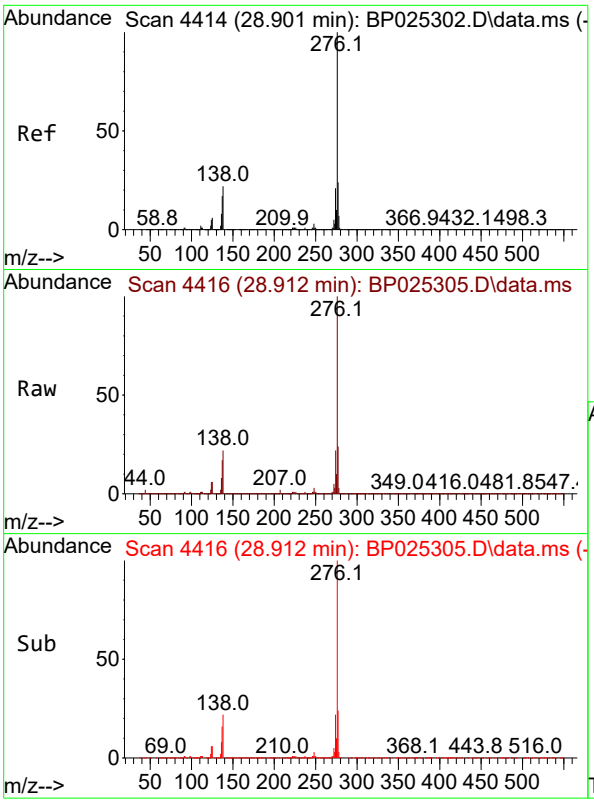


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:264 Resp: 1639865

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.1	25.7

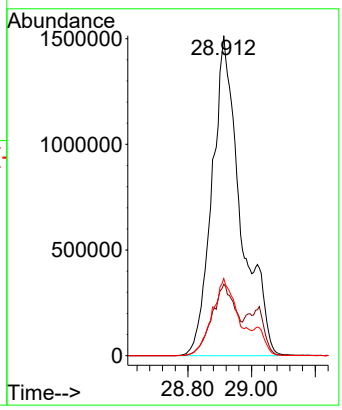




#87
Indeno(1,2,3-cd)pyrene
Concen: 80.231 ng m
RT: 28.912 min Scan# 4
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:276 Resp: 944431

Ion	Ratio	Lower	Upper
276	100		
138	18.9	14.6	22.0
277	21.9	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
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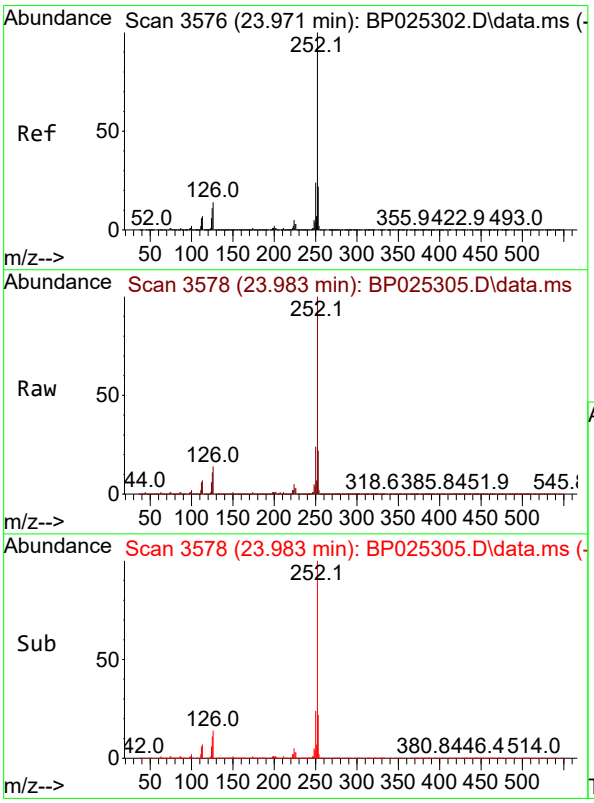
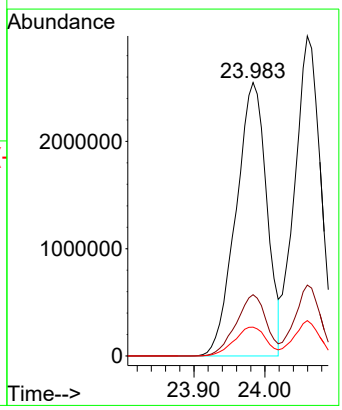
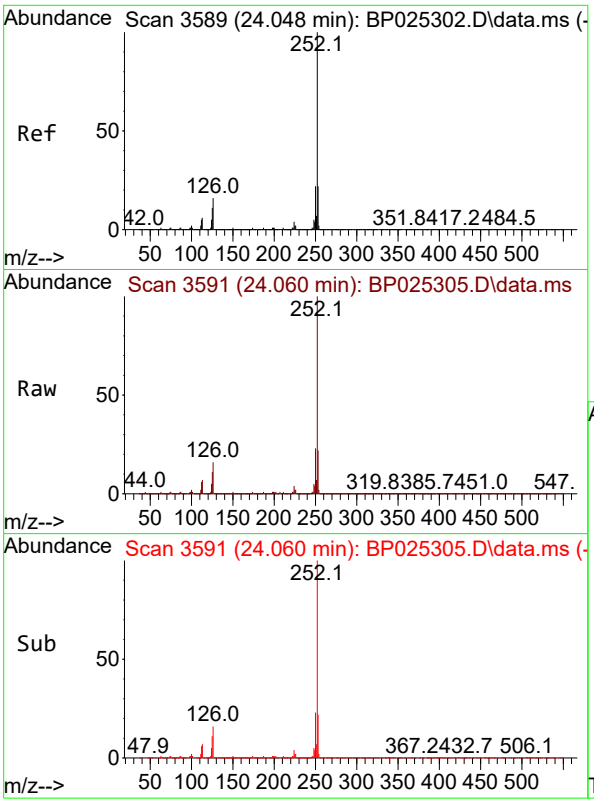


#88
Benzo(b)fluoranthene
Concen: 78.064 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7663180

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.6	8.5	12.7

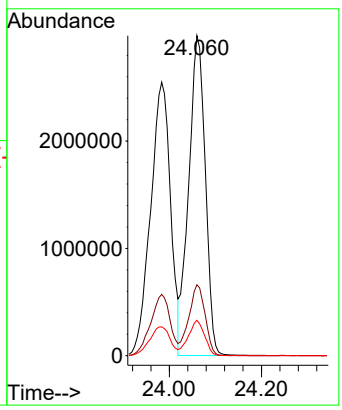




#89
Benzo(k)fluoranthene
Concen: 76.787 ng
RT: 24.060 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 747241

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.0	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
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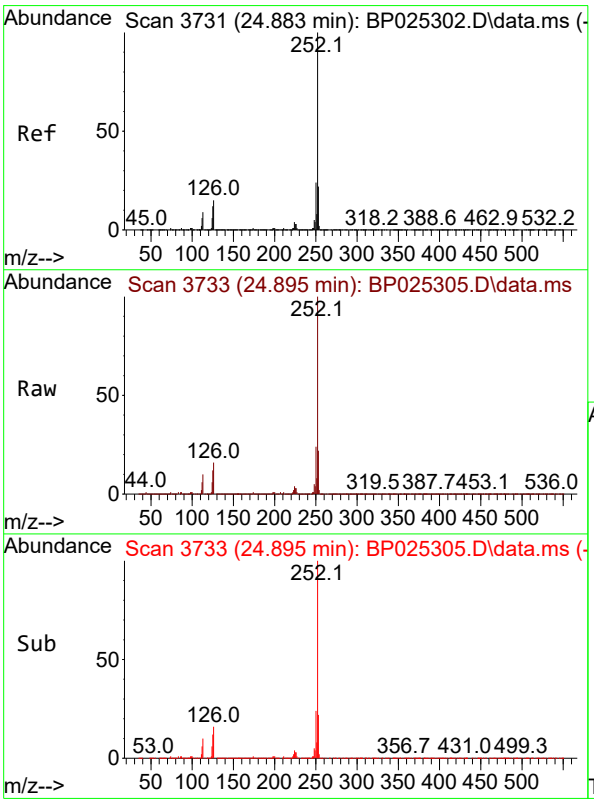
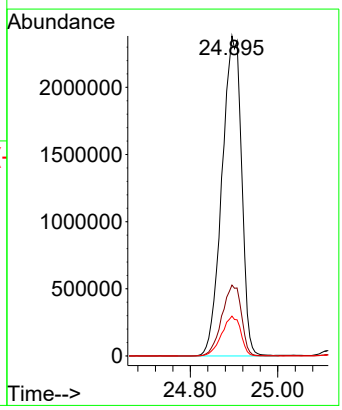
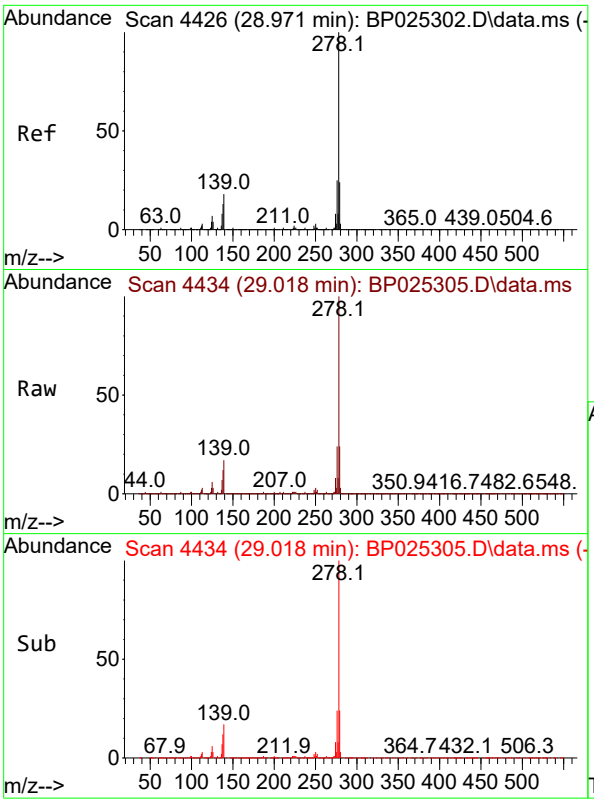


#90
Benzo(a)pyrene
Concen: 78.309 ng
RT: 24.895 min Scan# 3733
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7402973

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.4	9.4	14.0

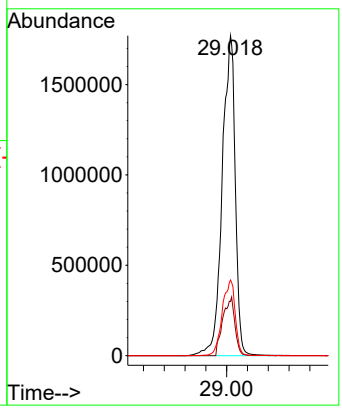




#91
Dibenzo(a,h)anthracene
Concen: 80.082 ng
RT: 29.018 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:278 Resp: 770895

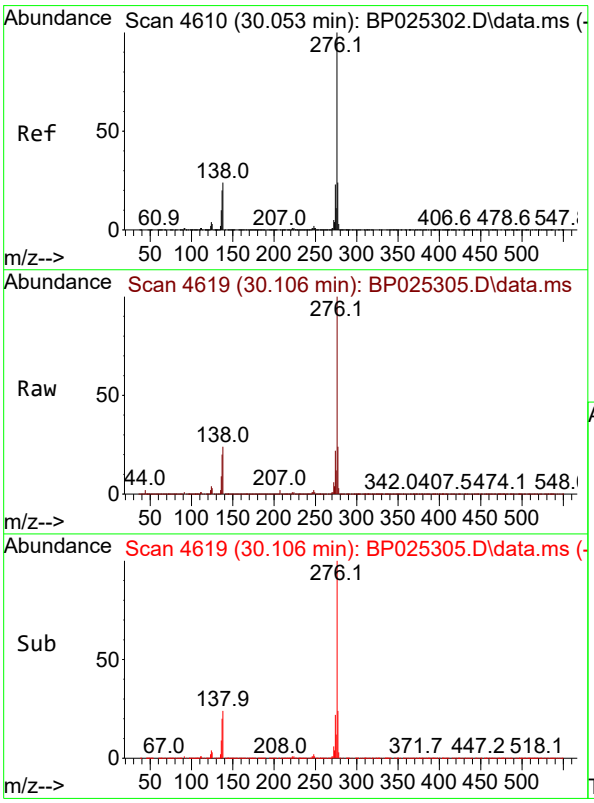
Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.6	22.0
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

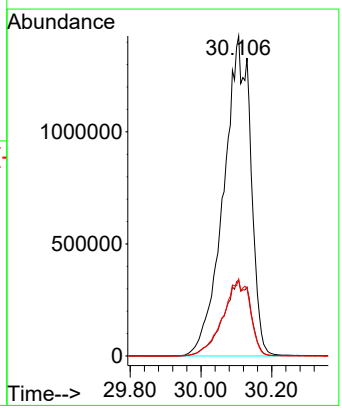
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 80.324 ng m
RT: 30.106 min Scan# 4619
Delta R.T. 0.053 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:276 Resp: 7590772

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	24.0	19.1	28.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	275520	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1222241	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	802996	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1605717	20.000	ng	-0.01
76) Chrysene-d12	21.666	240	1565231	20.000	ng	0.00
86) Perylene-d12	25.042	264	1730065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1181310	68.960	ng	0.00
7) Phenol-d6	6.966	99	1590709	70.557	ng	0.00
23) Nitrobenzene-d5	8.943	82	1586597	71.916	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	618969	77.267	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3743672	64.394	ng	0.00
79) Terphenyl-d14	19.936	244	5251220	63.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	221468	32.761	ng	99
3) Pyridine	3.725	79	674974	35.938	ng	99
4) n-Nitrosodimethylamine	3.637	42	315629	36.198	ng	97
6) Aniline	7.131	93	1168199	37.746	ng	100
8) 2-Chlorophenol	7.366	128	716630	38.218	ng	99
9) Benzaldehyde	6.949	77	542125	33.857	ng	99
10) Phenol	6.990	94	908541	37.664	ng	100
11) bis(2-Chloroethyl)ether	7.231	93	715577	37.860	ng	99
12) 1,3-Dichlorobenzene	7.696	146	777323	36.894	ng	100
13) 1,4-Dichlorobenzene	7.837	146	790167	37.069	ng	99
14) 1,2-Dichlorobenzene	8.149	146	766897	37.139	ng	98
15) Benzyl Alcohol	8.031	79	668093	38.230	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1098738	36.800	ng	99
17) 2-Methylphenol	8.225	107	633399	39.242	ng	98
18) Hexachloroethane	8.878	117	287484	37.712	ng	98
19) n-Nitroso-di-n-propyla...	8.596	70	578735	39.071	ng	99
20) 3+4-Methylphenols	8.549	107	858644	38.632	ng	98
22) Acetophenone	8.607	105	1158440	37.755	ng	100
24) Nitrobenzene	8.978	77	818671	39.201	ng	99
25) Isophorone	9.507	82	1701592	38.747	ng	99
26) 2-Nitrophenol	9.690	139	353273	39.528	ng	98
27) 2,4-Dimethylphenol	9.743	122	756826	37.381	ng	96
28) bis(2-Chloroethoxy)met...	9.984	93	1017512	38.088	ng	99
29) 2,4-Dichlorophenol	10.213	162	706413	39.853	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	736298	37.651	ng	100
31) Naphthalene	10.619	128	2369705	37.348	ng	99
32) Benzoic acid	9.872	122	476318	43.119	ng	96
33) 4-Chloroaniline	10.719	127	1097955	38.908	ng	99
34) Hexachlorobutadiene	10.913	225	426384	37.983	ng	98
35) Caprolactam	11.478	113	268817	39.093	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	817278	39.847	ng	99
37) 2-Methylnaphthalene	12.225	142	1546620	37.660	ng	99
38) 1-Methylnaphthalene	12.443	142	1647105	38.438	ng	99
40) 1,2,4,5-Tetrachloroben...	12.595	216	806158	36.772	ng	100
41) Hexachlorocyclopentadiene	12.584	237	532962	39.389	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	574283	40.551	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	637340	40.117	ng		99
46) 1,1'-Biphenyl	13.242	154	2225078	37.601	ng		100
47) 2-Chloronaphthalene	13.284	162	1670076	36.992	ng		99
48) 2-Nitroaniline	13.472	65	509511	39.111	ng		97
49) Acenaphthylene	14.131	152	2839893	37.711	ng		100
50) Dimethylphthalate	13.872	163	2210689	37.765	ng		100
51) 2,6-Dinitrotoluene	13.978	165	464068	42.979	ng		94
52) Acenaphthene	14.484	154	1741305	37.908	ng		99
53) 3-Nitroaniline	14.307	138	542330	42.925	ng		100
54) 2,4-Dinitrophenol	14.513	184	192889	44.579	ng	#	52
55) Dibenzofuran	14.819	168	2564382	37.357	ng		100
56) 4-Nitrophenol	14.613	139	459387	41.198	ng		95
57) 2,4-Dinitrotoluene	14.766	165	648337	39.363	ng		96
58) Fluorene	15.478	166	1972403	36.584	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	537674	40.516	ng		99
60) Diethylphthalate	15.260	149	2250136	38.127	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	936379	36.635	ng		99
62) 4-Nitroaniline	15.484	138	521442	41.652	ng		98
63) Azobenzene	15.778	77	2076036	37.866	ng		99
65) 4,6-Dinitro-2-methylph...	15.548	198	293694	43.059	ng		98
66) n-Nitrosodiphenylamine	15.695	169	1831755	37.466	ng		99
67) 4-Bromophenyl-phenylether	16.389	248	612029	37.882	ng		98
68) Hexachlorobenzene	16.507	284	678667	37.437	ng		98
69) Atrazine	16.672	200	660816	38.434	ng		99
70) Pentachlorophenol	16.848	266	469548	40.655	ng		97
71) Phenanthrene	17.260	178	3218487	36.596	ng		99
72) Anthracene	17.354	178	3374425	38.053	ng		100
73) Carbazole	17.625	167	3142276	36.915	ng		99
74) Di-n-butylphthalate	18.236	149	4081711	39.636	ng		100
75) Fluoranthene	19.342	202	3757235	36.904	ng		99
77) Benzidine	19.536	184	2380752	42.024	ng		99
78) Pyrene	19.719	202	3853987	37.027	ng		99
80) Butylbenzylphthalate	20.677	149	1775636	42.064	ng		99
81) Benzo(a)anthracene	21.648	228	3826778	36.791	ng		99
82) 3,3'-Dichlorobenzidine	21.566	252	1431183	38.998	ng		99
83) Chrysene	21.719	228	3541271	36.707	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	2765334	41.026	ng		99
85) Di-n-octyl phthalate	22.913	149	4594460	40.723	ng		99
87) Indeno(1,2,3-cd)pyrene	28.895	276	4594863m	37.054	ng		
88) Benzo(b)fluoranthene	23.971	252	3794446	36.638	ng		100
89) Benzo(k)fluoranthene	24.036	252	3839465	37.398	ng		99
90) Benzo(a)pyrene	24.877	252	3753992	37.640	ng		99
91) Dibenzo(a,h)anthracene	28.983	278	3762707	37.050	ng		99
92) Benzo(g,h,i)perylene	30.083	276	3674873	36.870	ng		99

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

ICAL Form

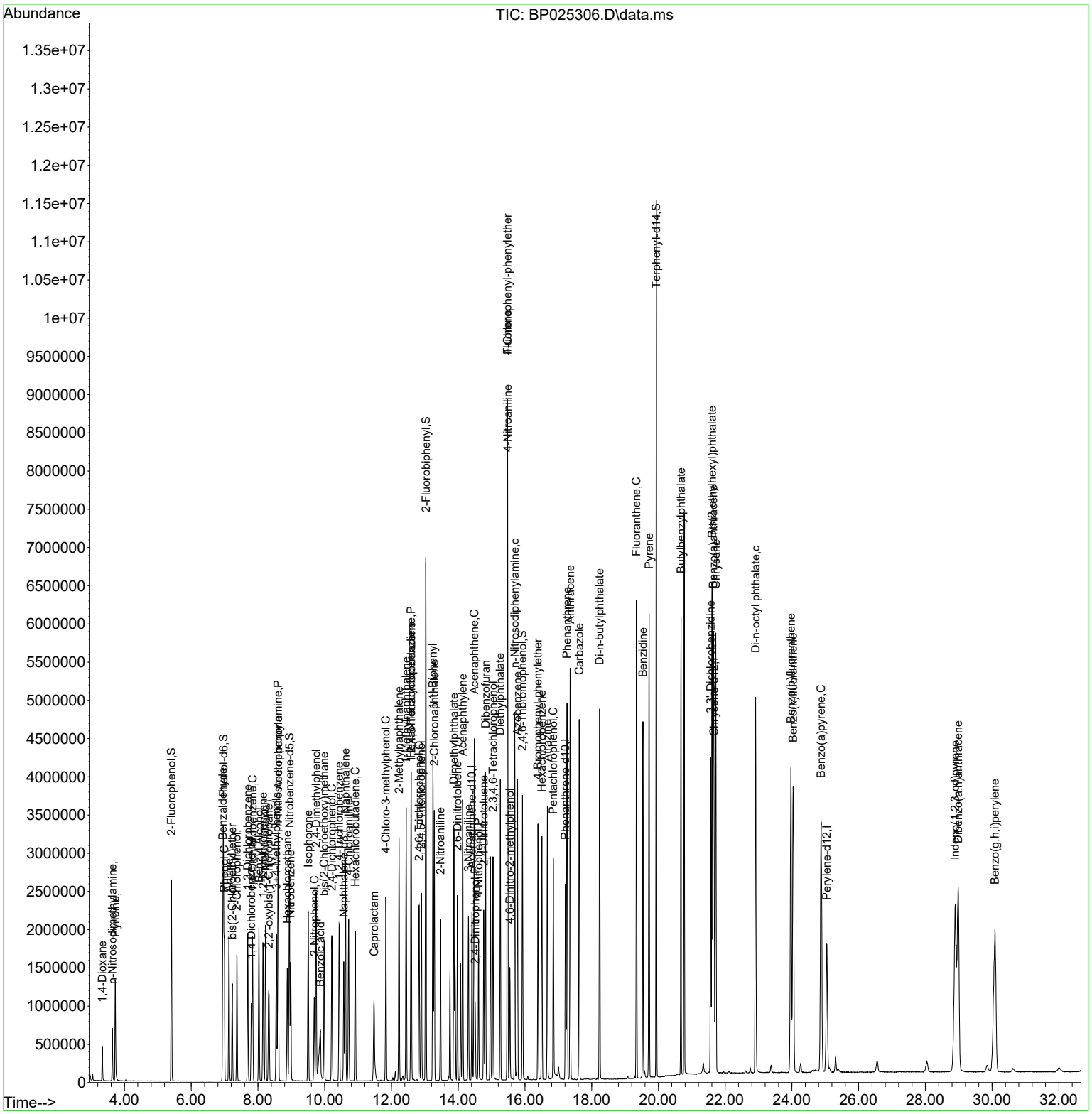
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

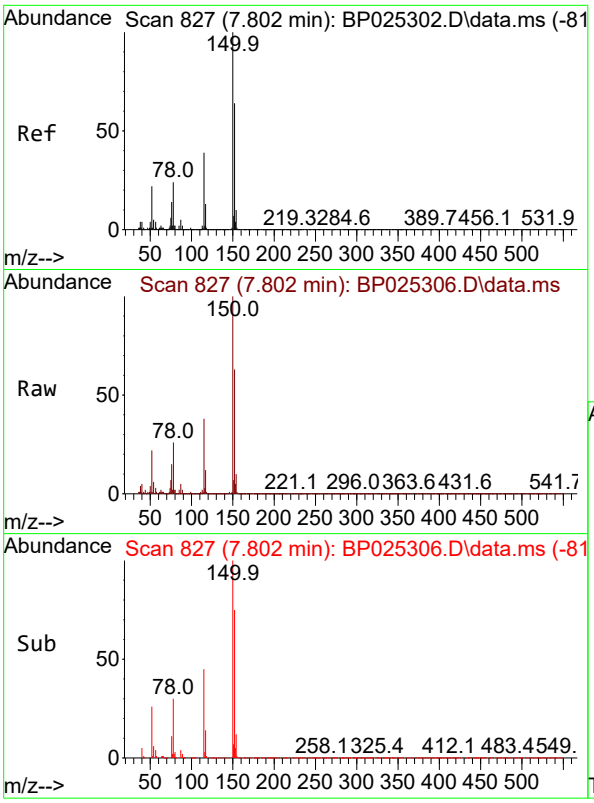
Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

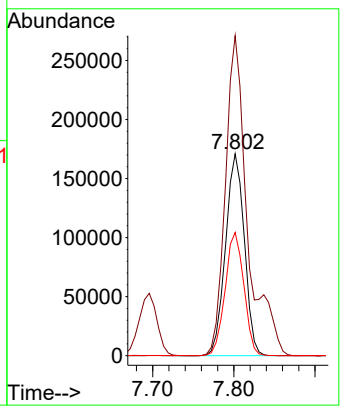




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:152 Resp: 27552

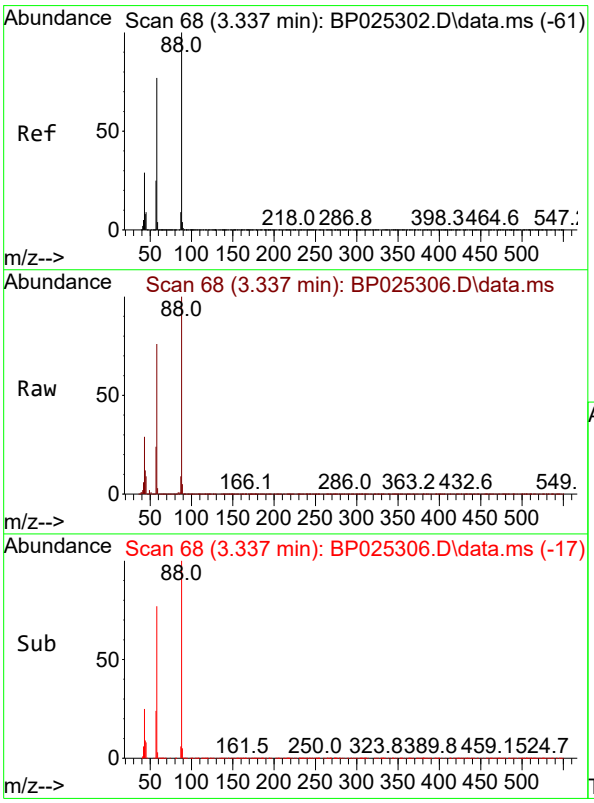
Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.1	187.7
115	61.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

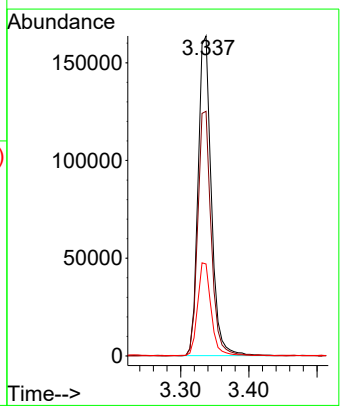
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

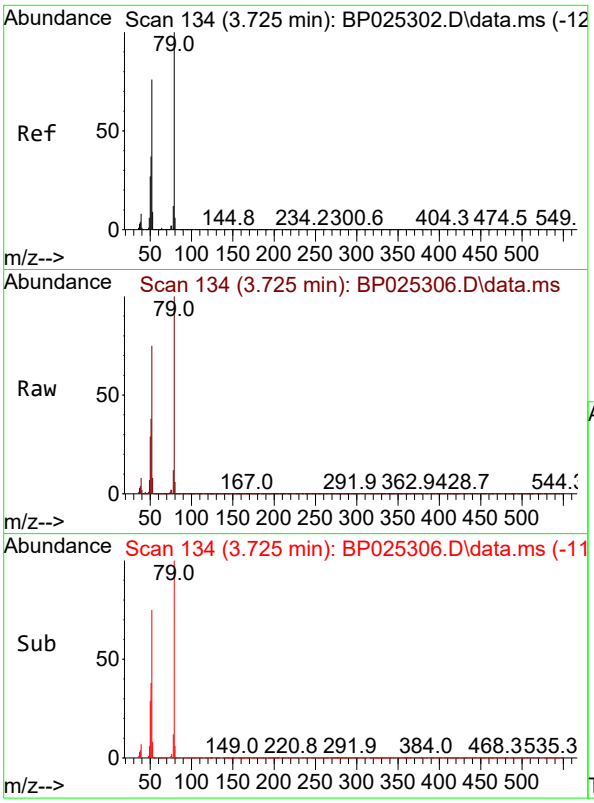


#2
1,4-Dioxane
Concen: 32.761 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 88 Resp: 221468

Ion	Ratio	Lower	Upper
88	100		
58	77.6	61.9	92.9
43	29.2	24.2	36.2

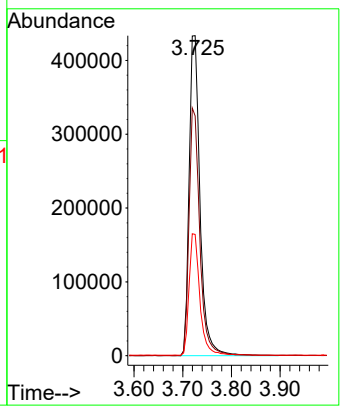




#3
Pyridine
Concen: 35.938 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 79 Resp: 67497

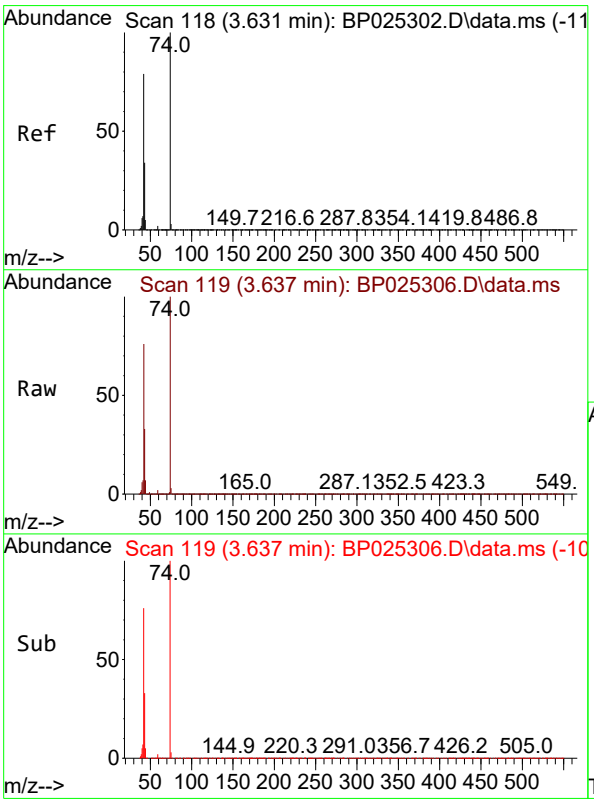
Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.9	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

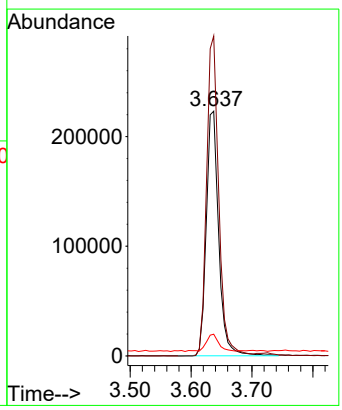
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

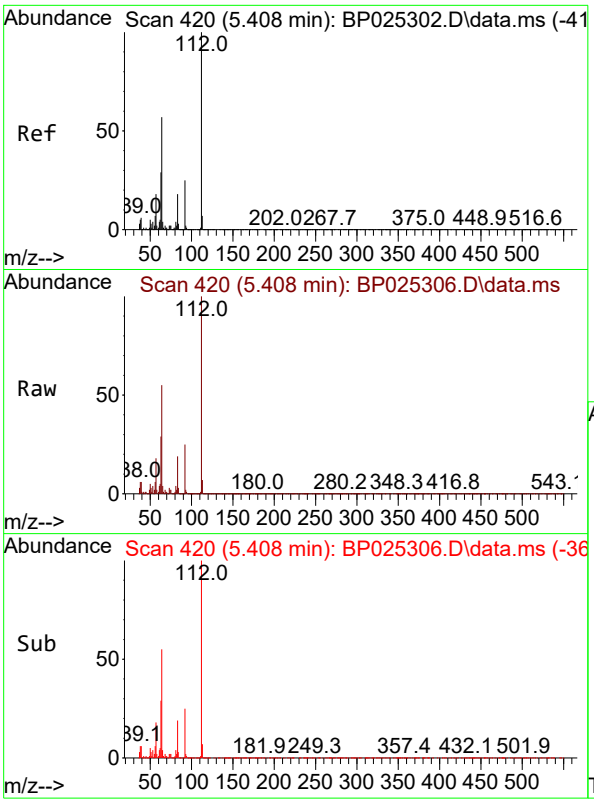


#4
n-Nitrosodimethylamine
Concen: 36.198 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 42 Resp: 315629

Ion	Ratio	Lower	Upper
42	100		
74	130.8	101.4	152.2
44	8.9	7.6	11.4

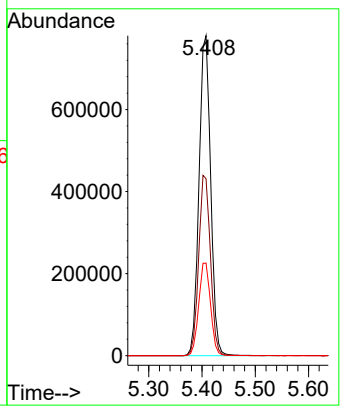




#5
2-Fluorophenol
Concen: 68.960 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:112 Resp: 118131

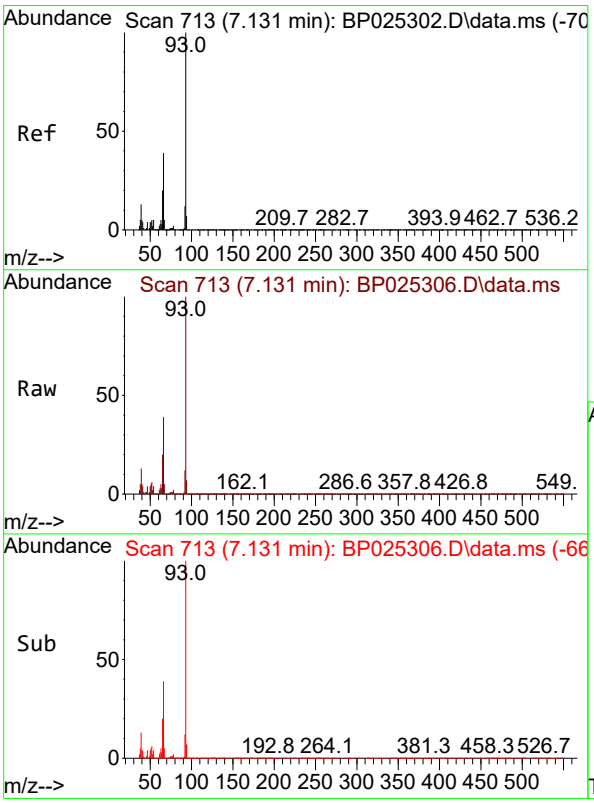
Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.3	67.9
63	29.0	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

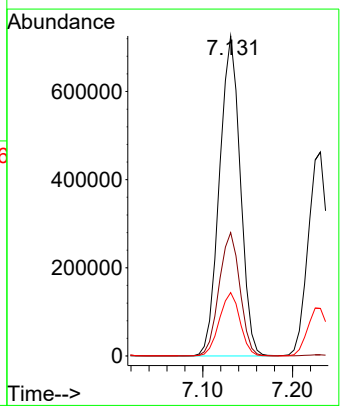
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

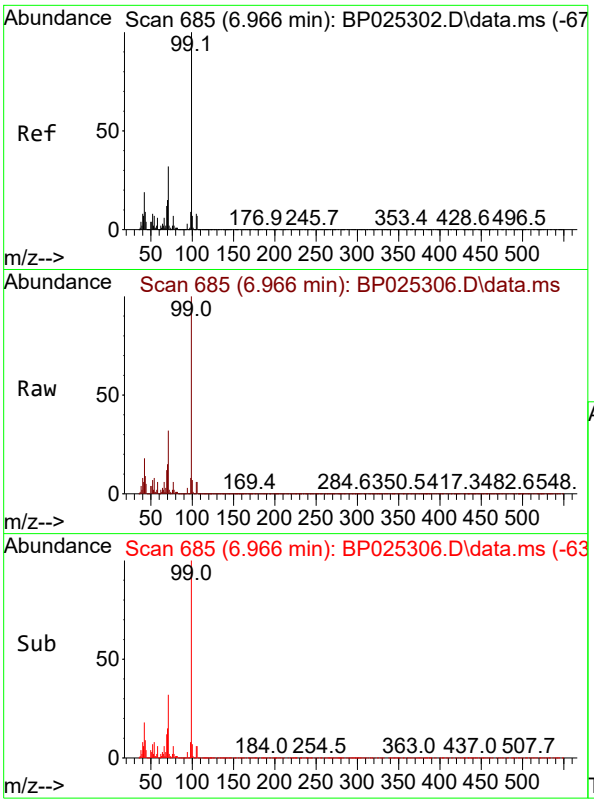


#6
Aniline
Concen: 37.746 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1168199

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.1	46.7
65	19.8	15.8	23.8

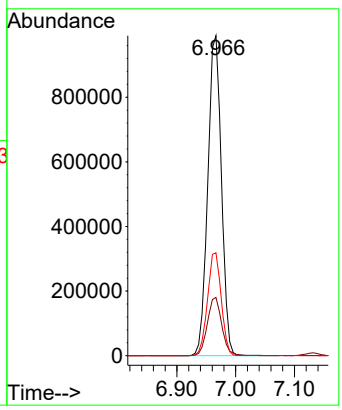




#7
Phenol-d6
Concen: 70.557 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 99 Resp: 159070

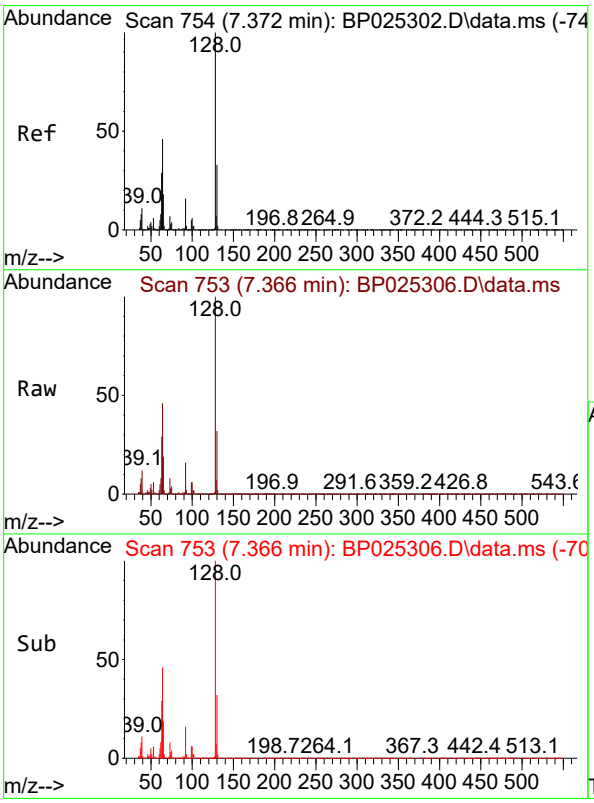
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.6
71	32.2	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

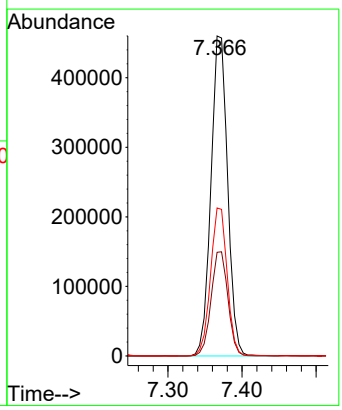
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

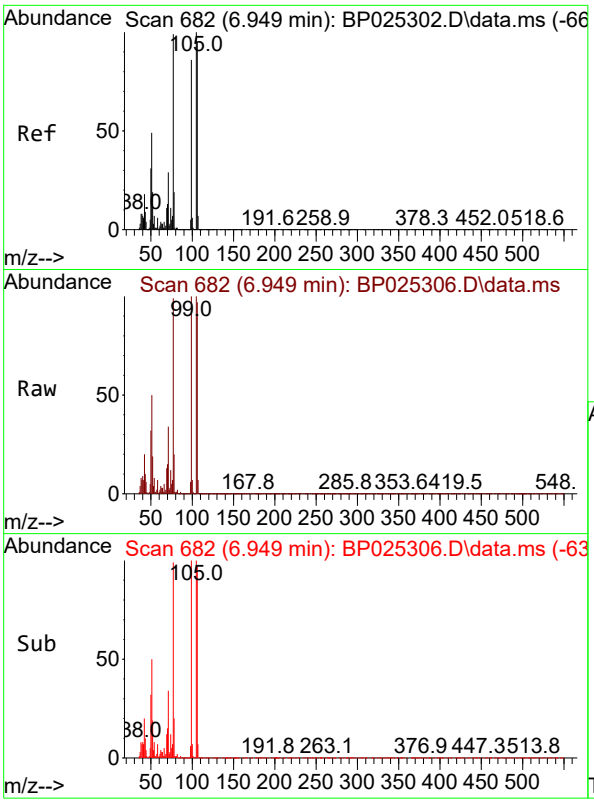


#8
2-Chlorophenol
Concen: 38.218 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:128 Resp: 716630

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.1	53.1
64	46.3	26.1	66.1

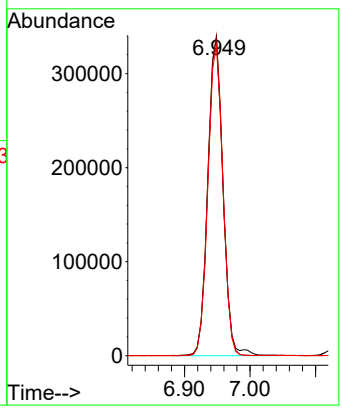




#9
Benzaldehyde
Concen: 33.857 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 54212

Ion	Ratio	Lower	Upper
77	100		
105	100.7	81.4	121.4
106	97.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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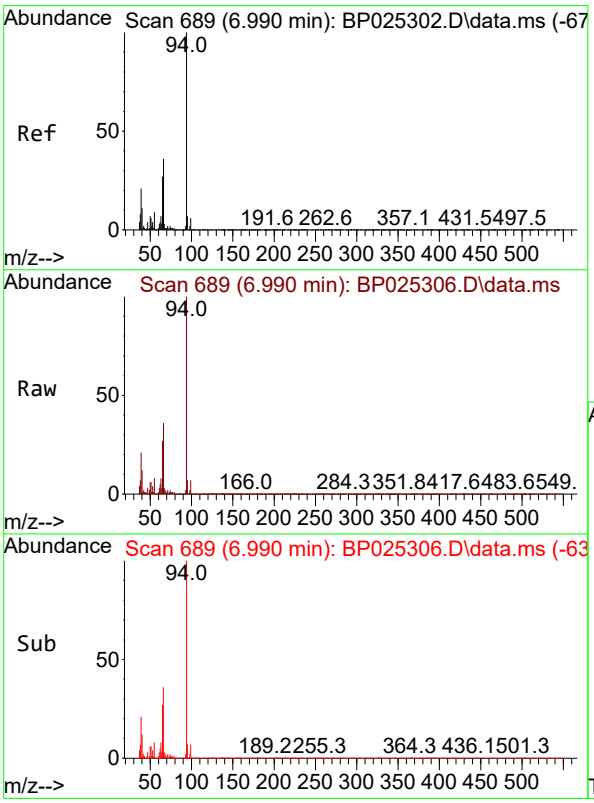
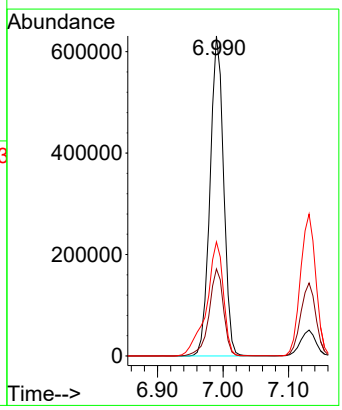
Supervised By :Jagrut Upadhyay 08/06/2025

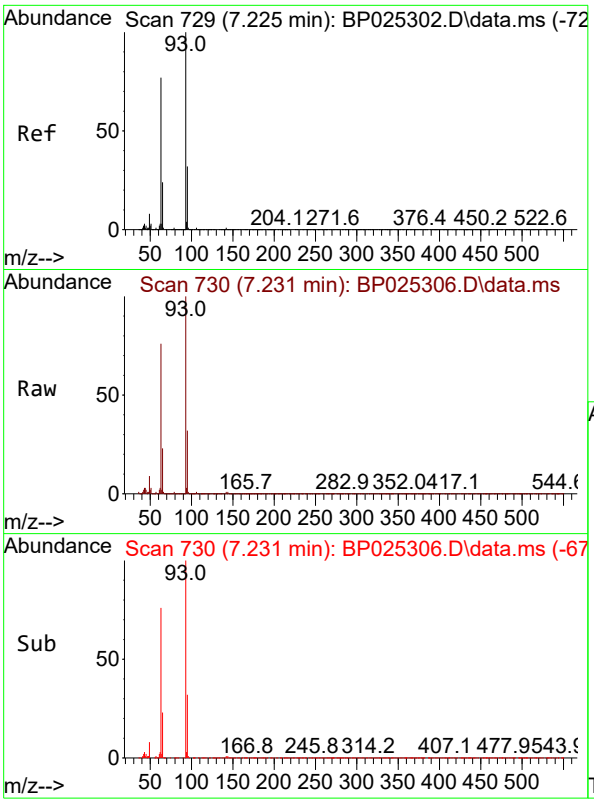


#10
Phenol
Concen: 37.664 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 94 Resp: 908541

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	35.6	15.7	55.7

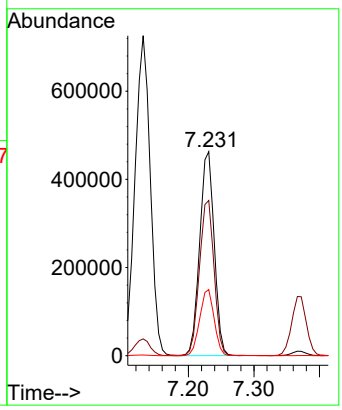




#11
bis(2-Chloroethyl)ether
Concen: 37.860 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 71557

Ion	Ratio	Lower	Upper
93	100		
63	76.1	57.0	97.0
95	32.4	12.1	52.1



Instrument :
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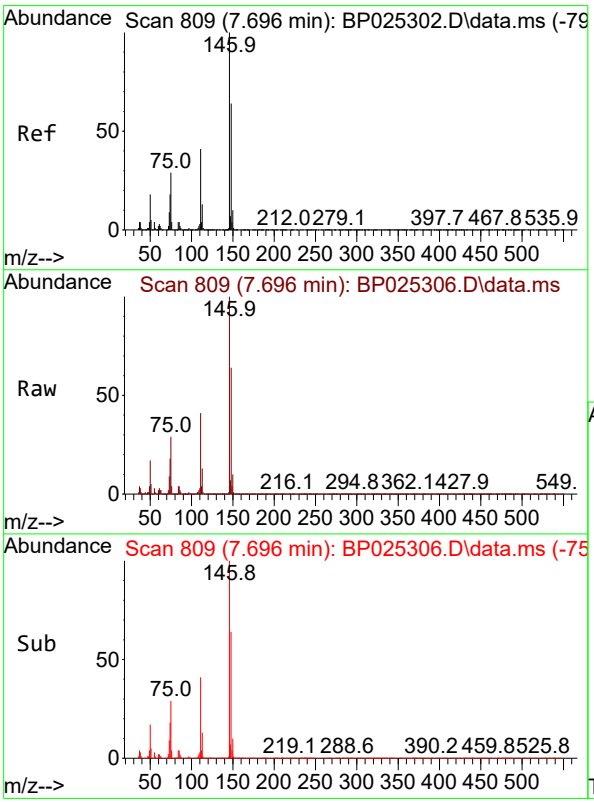
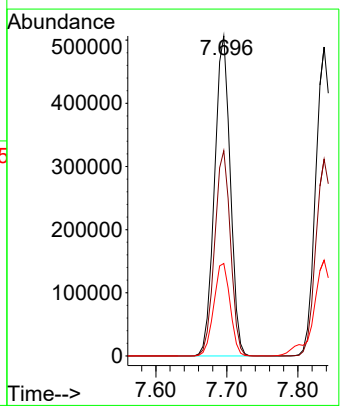
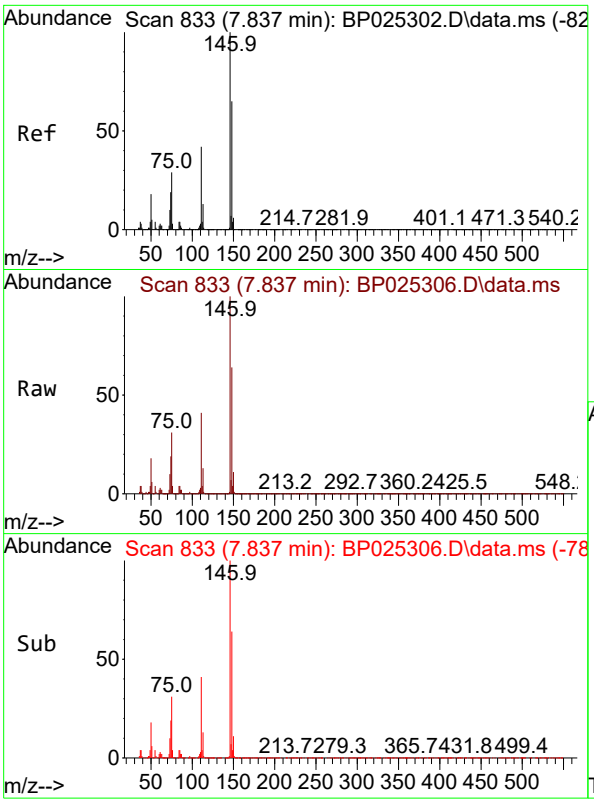


#12
1,3-Dichlorobenzene
Concen: 36.894 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 777323

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
75	28.9	23.2	34.8

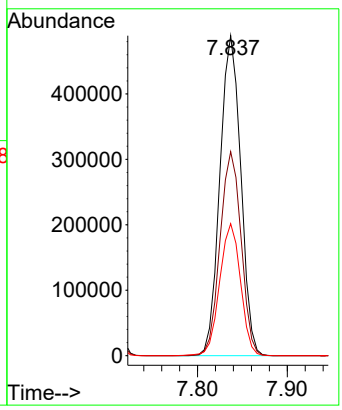




#13
1,4-Dichlorobenzene
Concen: 37.069 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 79016

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	41.2	33.2	49.8



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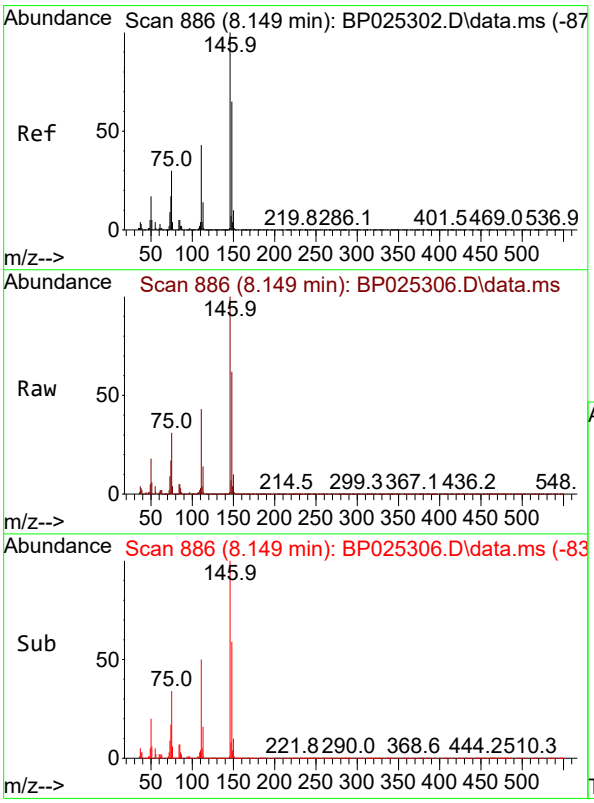
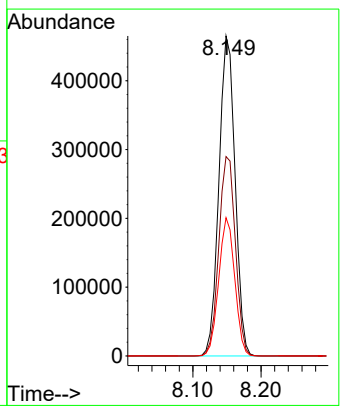
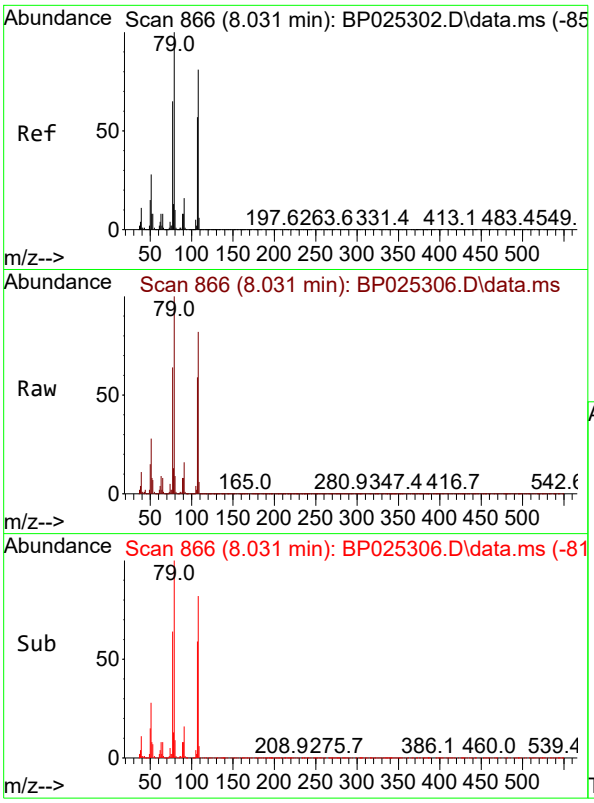


#14
1,2-Dichlorobenzene
Concen: 37.139 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 766897

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.9	77.9
111	43.2	34.4	51.6

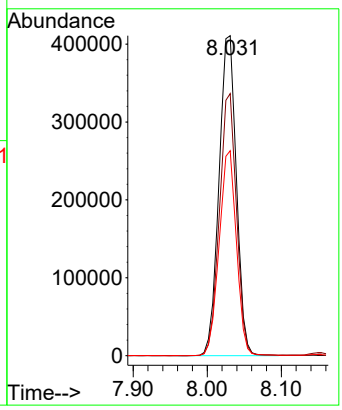




#15
Benzyl Alcohol
Concen: 38.230 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 79 Resp: 66809

Ion	Ratio	Lower	Upper
79	100		
108	81.9	64.5	96.7
77	64.0	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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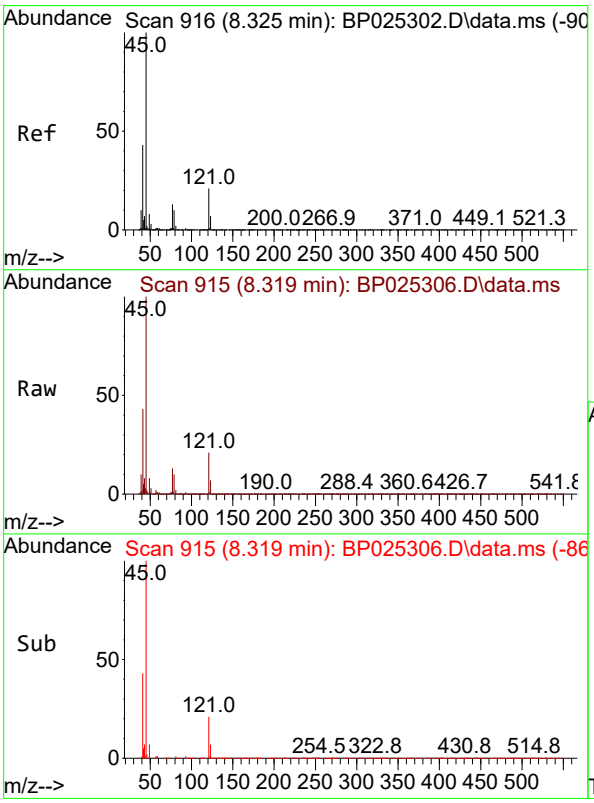
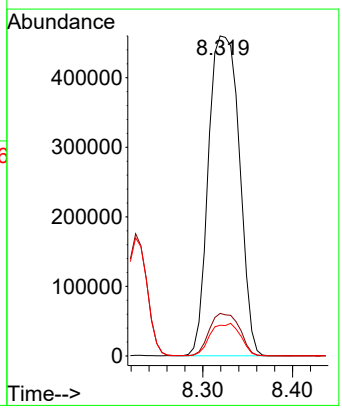
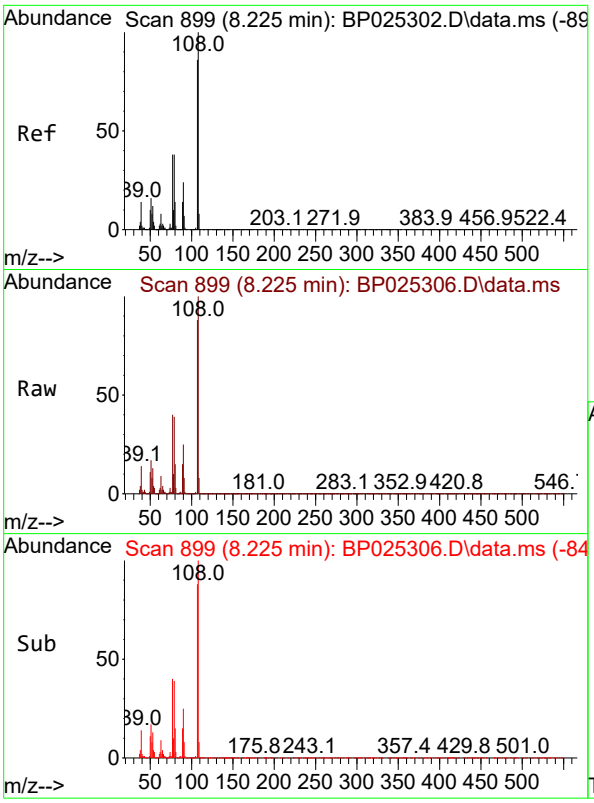


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.800 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 45 Resp: 1098738

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.0
79	9.6	0.0	29.8

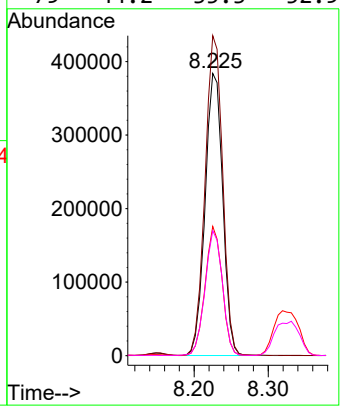




#17
2-Methylphenol
Concen: 39.242 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 63339

Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.6	139.0
77	45.8	35.4	53.2
79	44.2	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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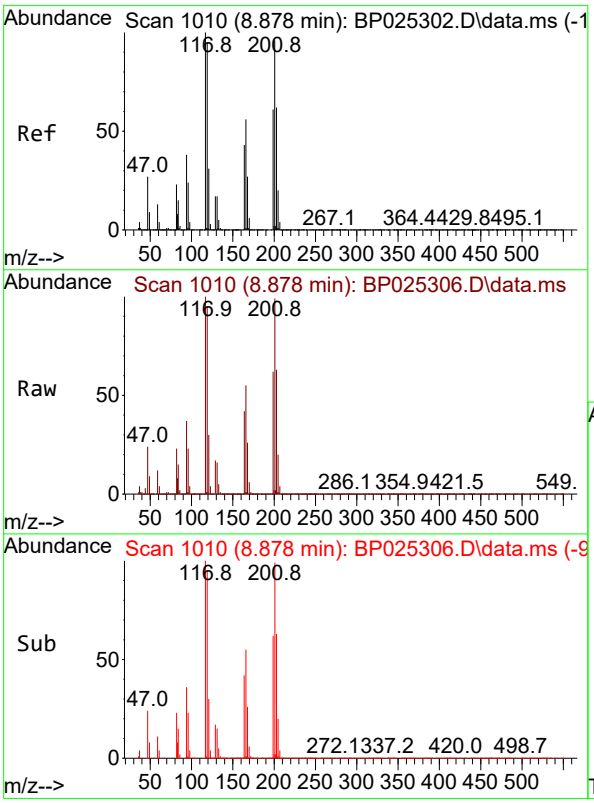
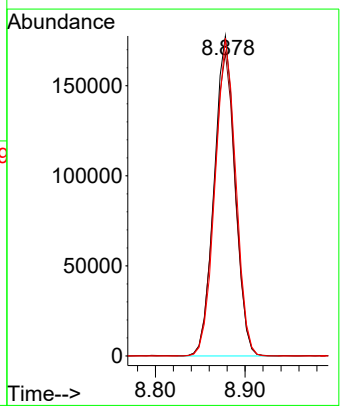
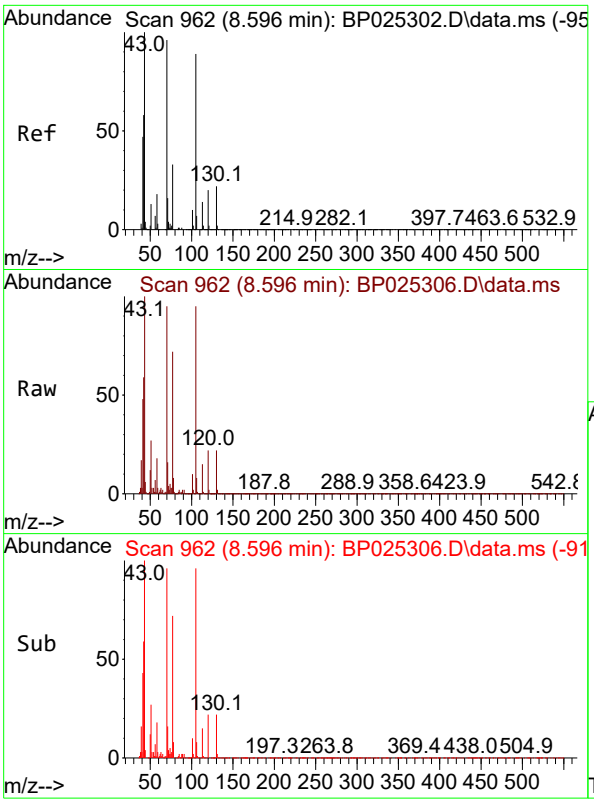


#18
Hexachloroethane
Concen: 37.712 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:117 Resp: 287484

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	99.3	76.6	114.8

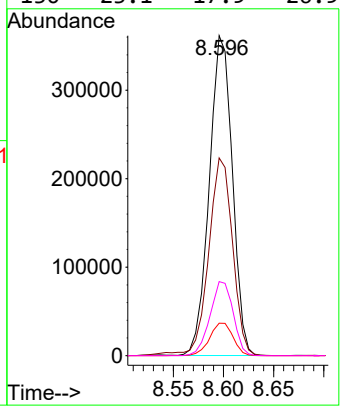




#19
n-Nitroso-di-n-propylamine
Concen: 39.071 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 70 Resp: 57873

Ion	Ratio	Lower	Upper
70	100		
42	61.8	49.4	74.0
101	10.1	7.9	11.9
130	23.1	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
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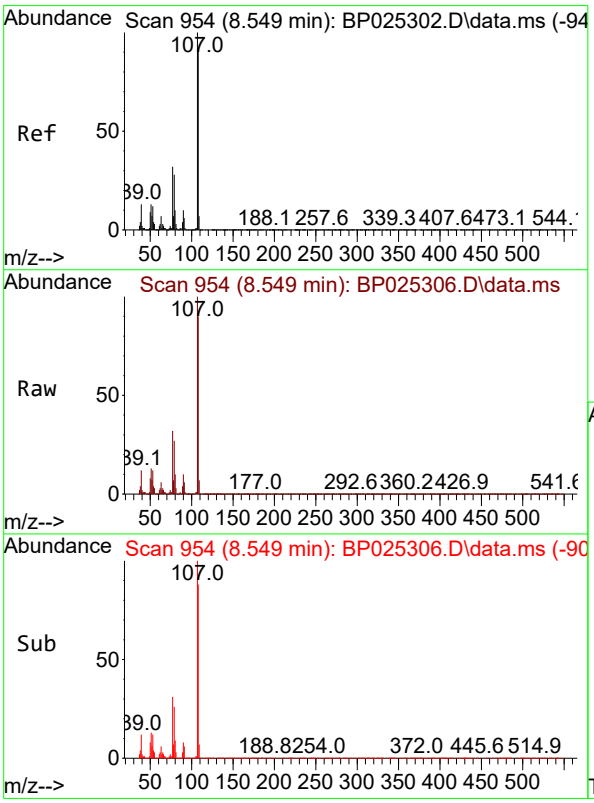
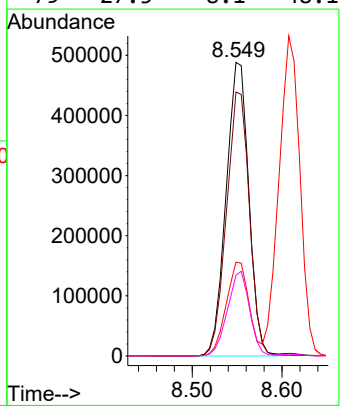
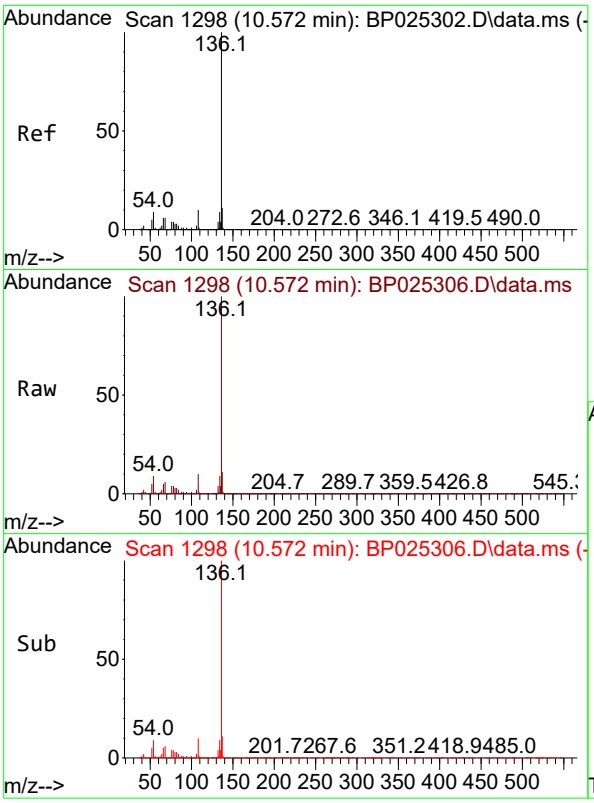


#20
3+4-Methylphenols
Concen: 38.632 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 858644

Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.9	111.9
77	31.9	12.0	52.0
79	27.5	8.1	48.1

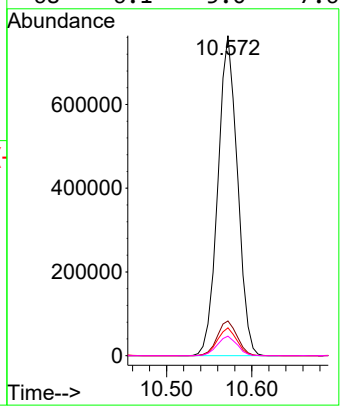




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:136 Resp: 122224

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.7	7.0	10.6
68	6.1	5.0	7.6



Instrument :
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ClientSampleId :
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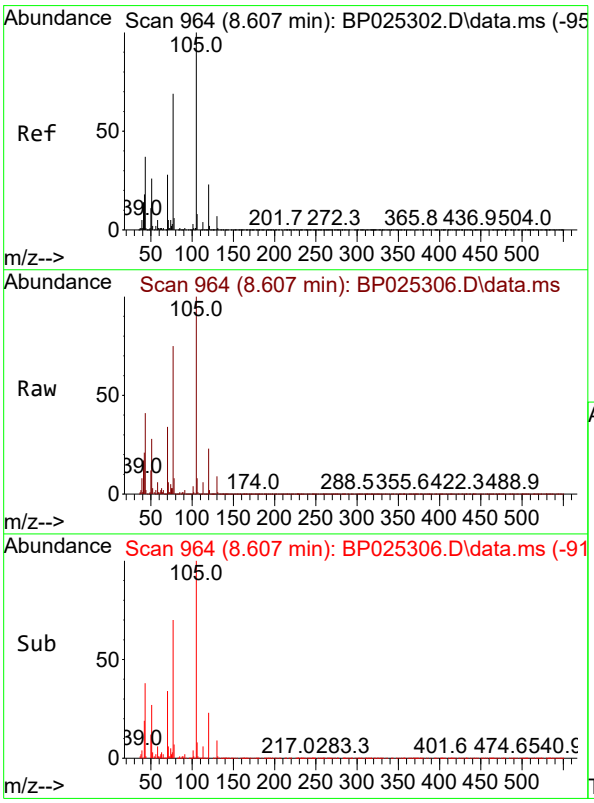
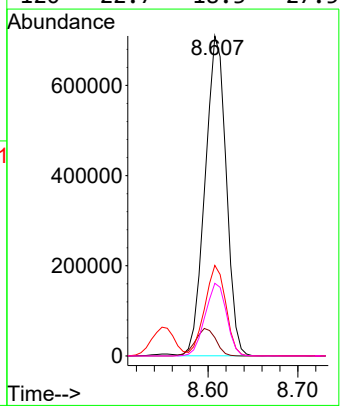
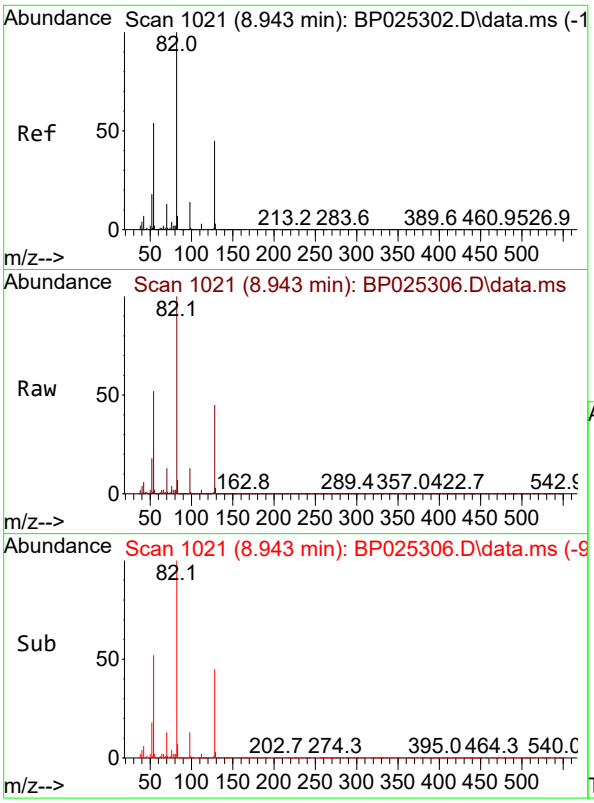


#22
Acetophenone
Concen: 37.755 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:105 Resp: 1158440

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.1	6.1
51	28.3	22.7	34.1
120	22.7	18.3	27.5

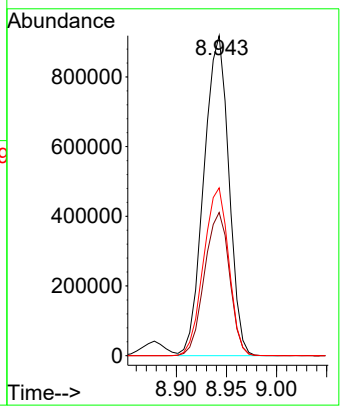




#23
Nitrobenzene-d5
Concen: 71.916 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 82 Resp: 158659

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.4	53.2
54	52.5	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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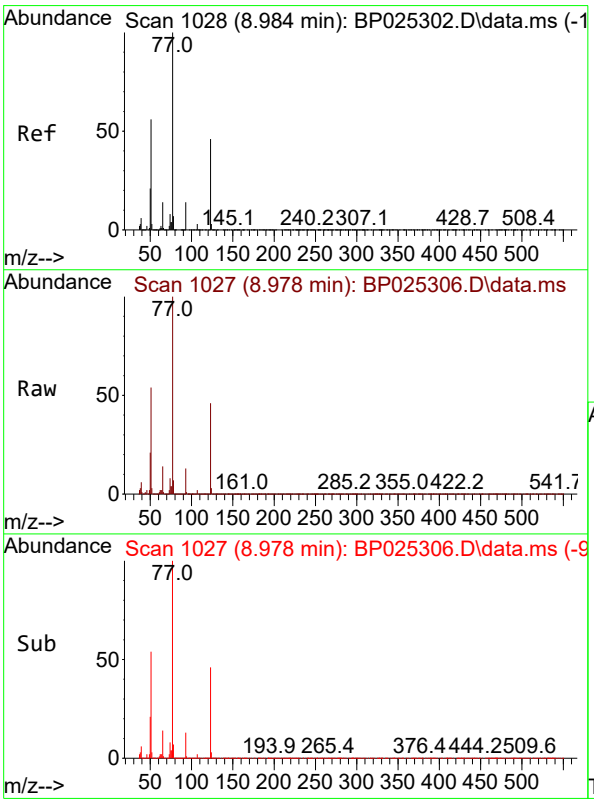
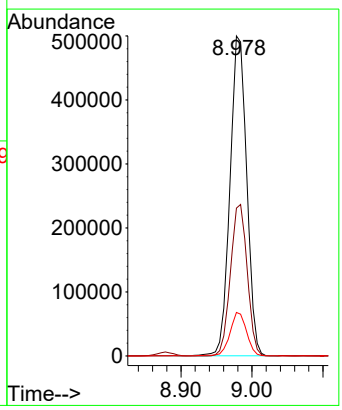
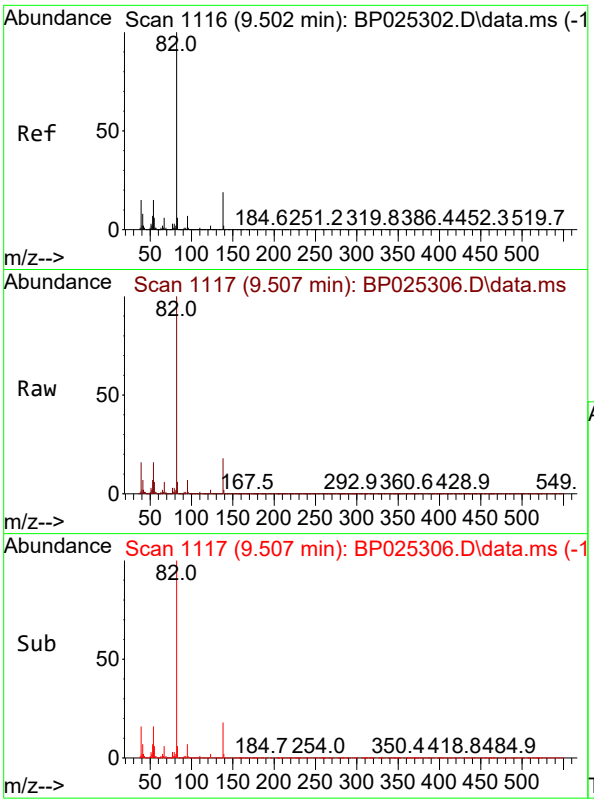


#24
Nitrobenzene
Concen: 39.201 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 818671

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.4	56.2
65	13.6	11.1	16.7

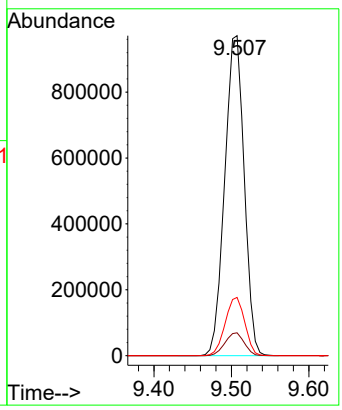




#25
Isophorone
Concen: 38.747 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 82 Resp: 170159

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.2	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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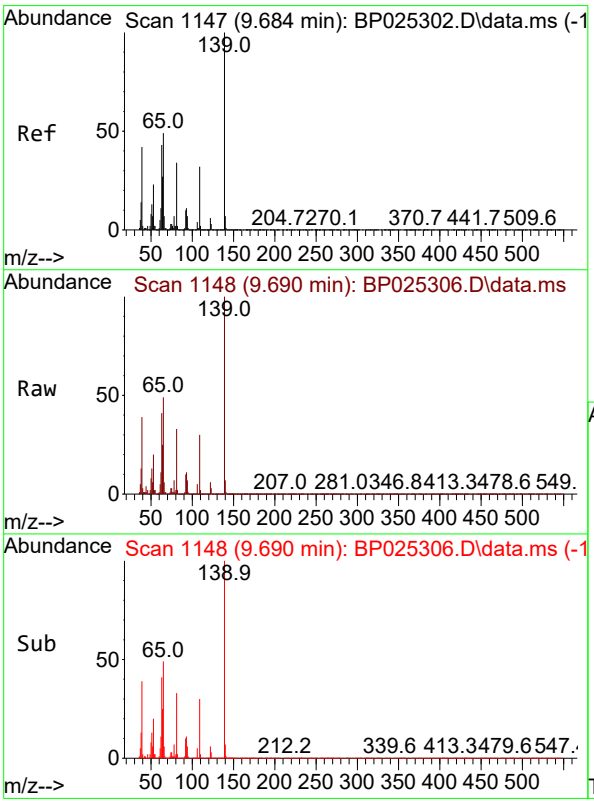
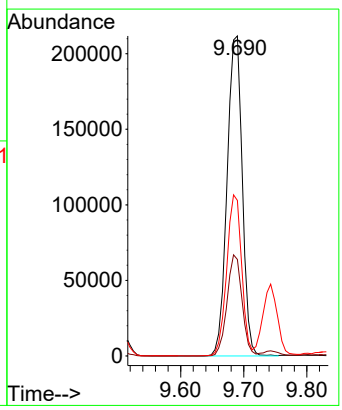
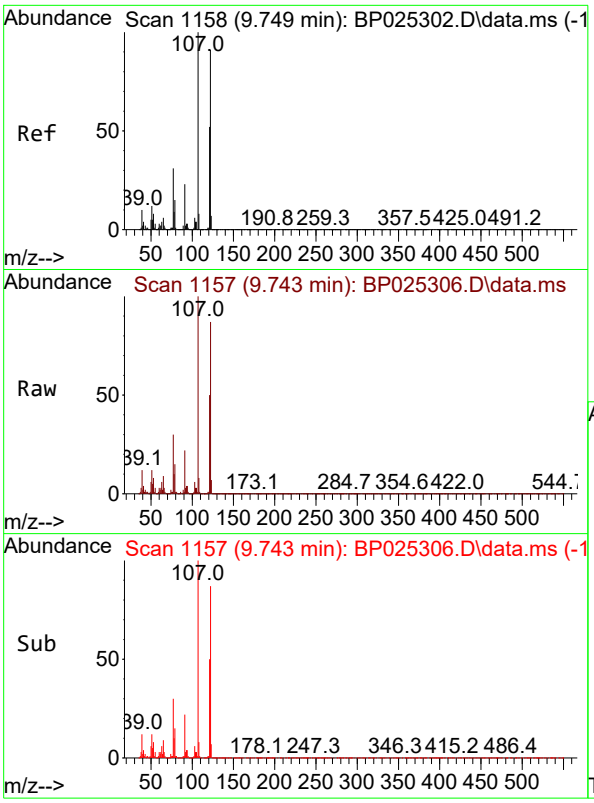


#26
2-Nitrophenol
Concen: 39.528 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 353273

Ion	Ratio	Lower	Upper
139	100		
109	30.1	25.2	37.8
65	48.6	39.6	59.4

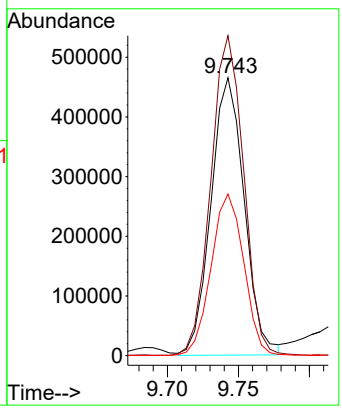




#27
2,4-Dimethylphenol
Concen: 37.381 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:122 Resp: 75682

Ion	Ratio	Lower	Upper
122	100		
107	115.1	87.4	131.0
121	58.1	45.8	68.8



Instrument :
BNA_P
ClientSampleId :
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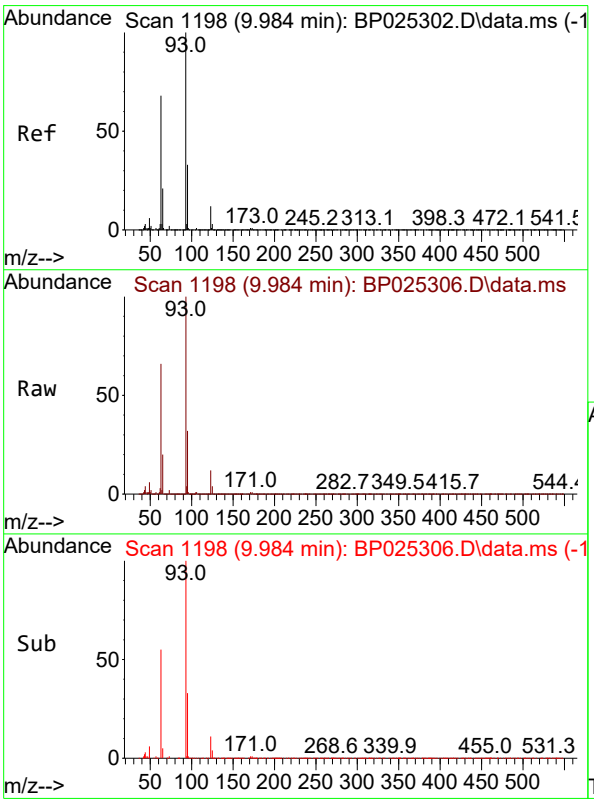
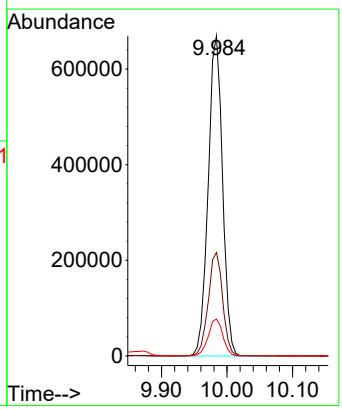
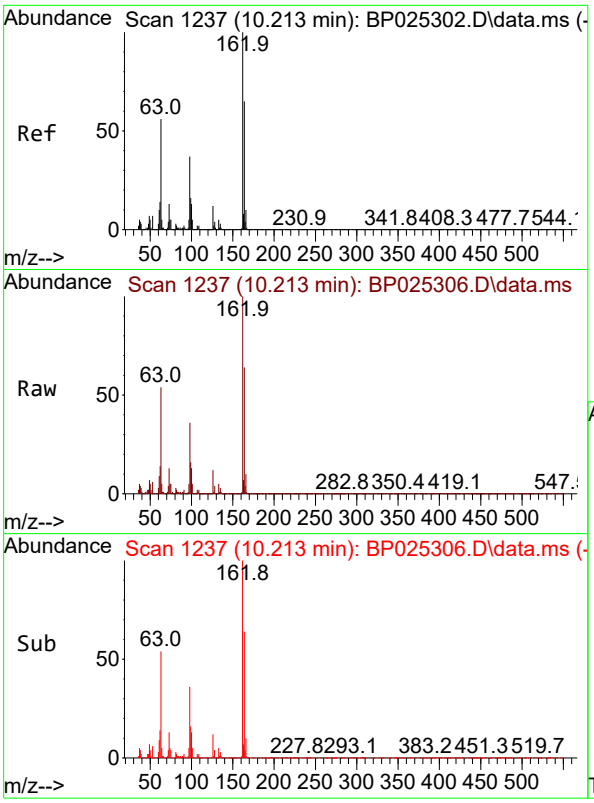


#28
bis(2-Chloroethoxy)methane
Concen: 38.088 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1017512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	11.6	9.4	14.2

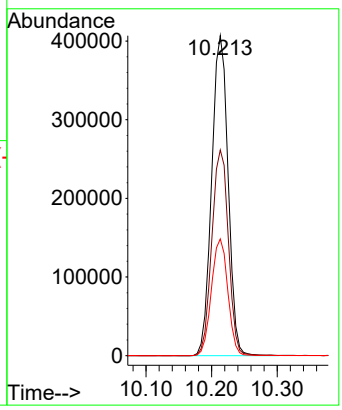




#29
2,4-Dichlorophenol
Concen: 39.853 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:162 Resp: 70641

Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.2	85.2
98	36.5	17.5	57.5



Instrument :
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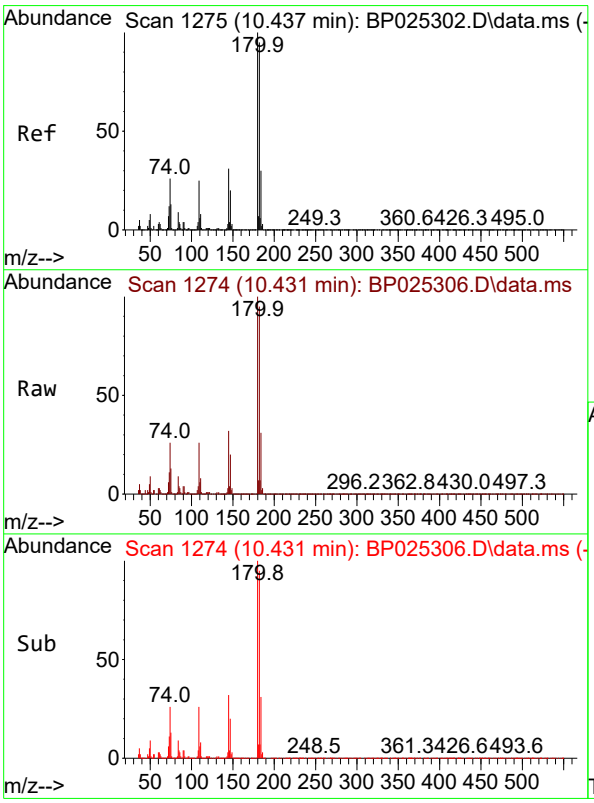
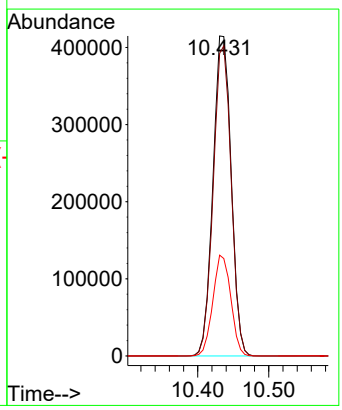
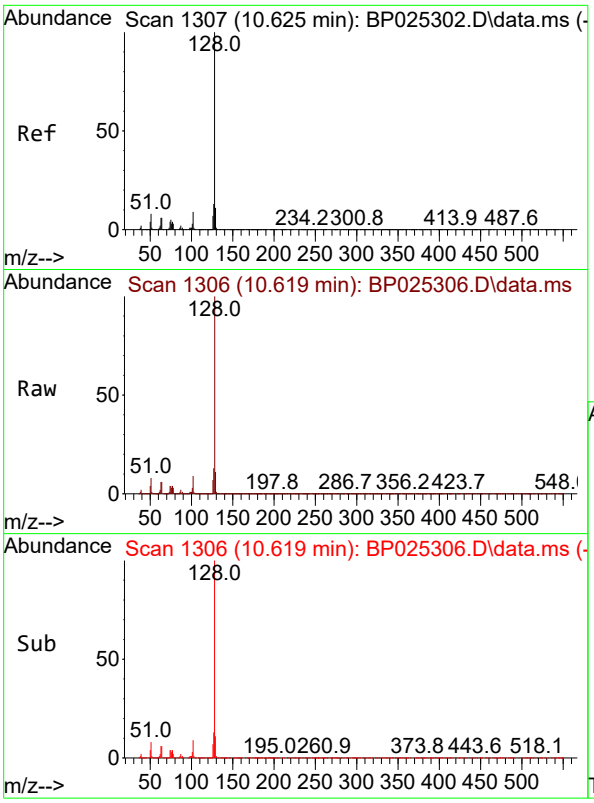


#30
1,2,4-Trichlorobenzene
Concen: 37.651 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:180 Resp: 736298

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	31.5	25.0	37.4

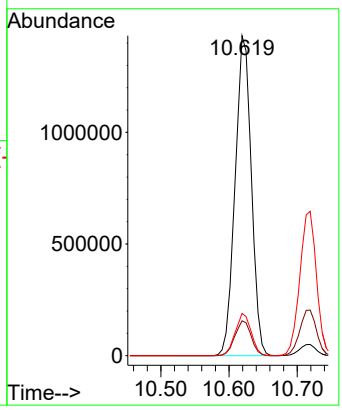




#31
Naphthalene
Concen: 37.348 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:128 Resp: 236970

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.2	10.4	15.6



Instrument :
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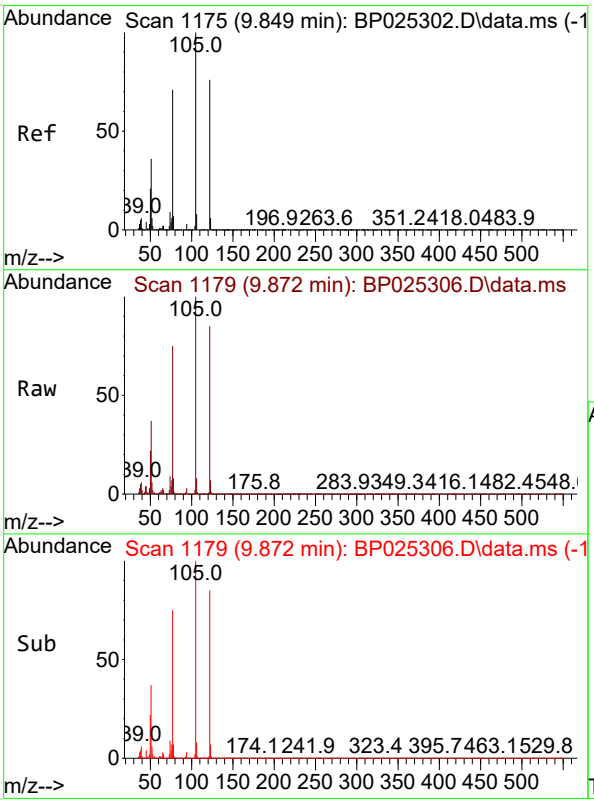
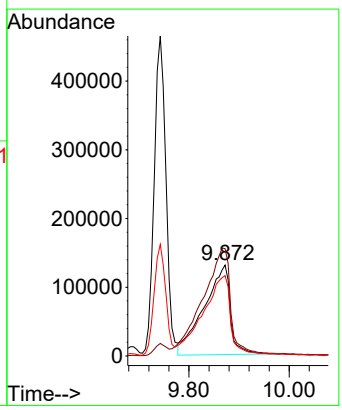
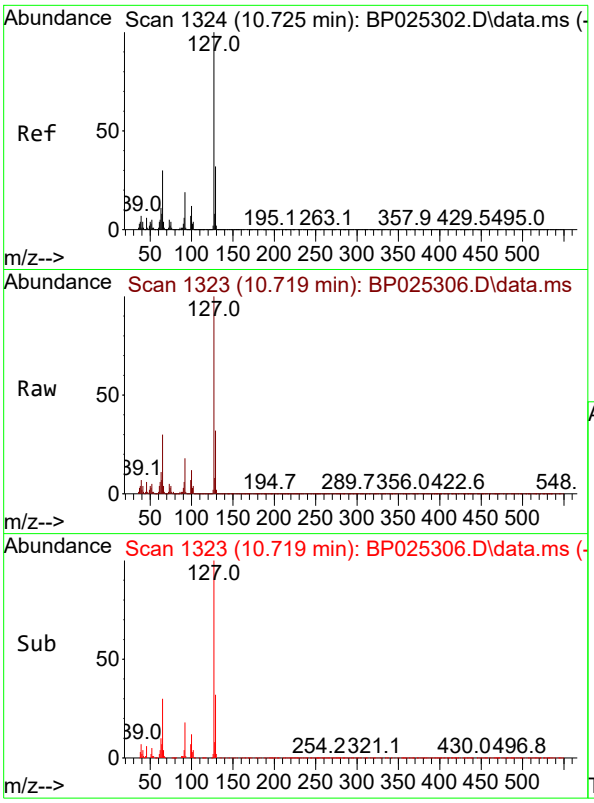


#32
Benzoic acid
Concen: 43.119 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:122 Resp: 476318

Ion	Ratio	Lower	Upper
122	100		
105	118.2	104.0	144.0
77	88.4	71.8	111.8

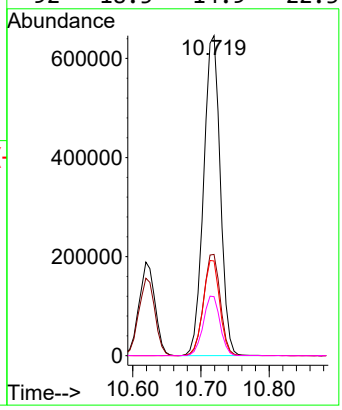




#33
4-Chloroaniline
Concen: 38.908 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:127 Resp: 109795

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.6
65	29.6	23.6	35.4
92	18.5	14.9	22.3



Instrument :
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ClientSampleId :
ICVBP080525

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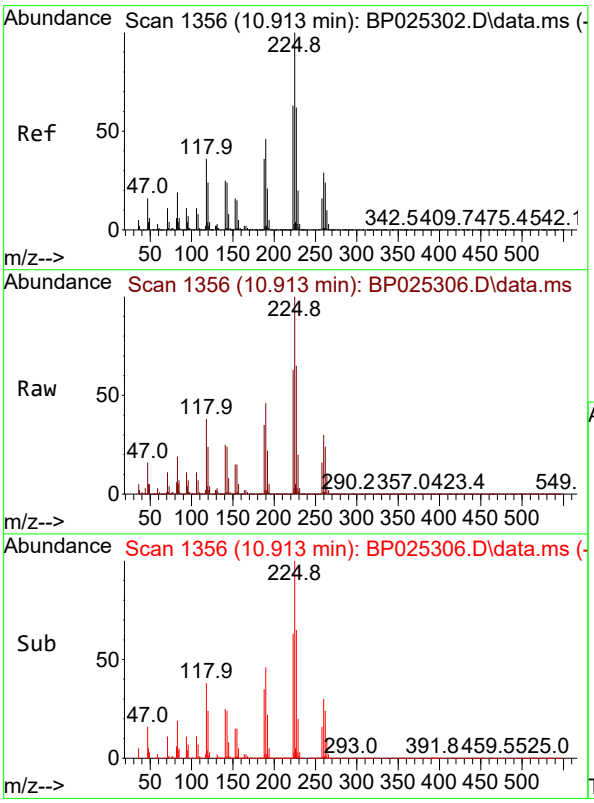
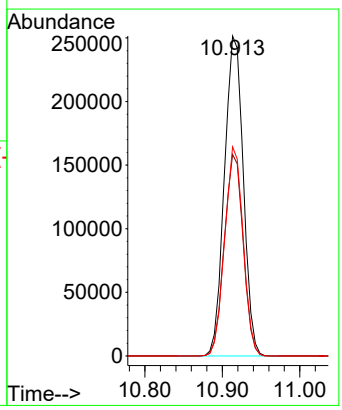
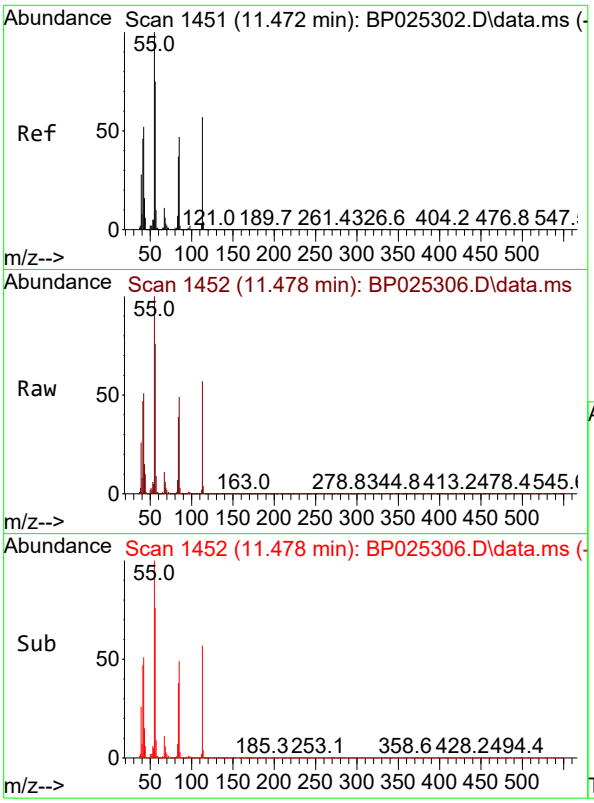


#34
Hexachlorobutadiene
Concen: 37.983 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:225 Resp: 426384

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	65.3	49.7	74.5

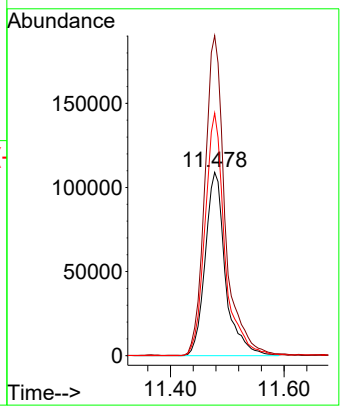




#35
Caprolactam
Concen: 39.093 ng
RT: 11.478 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:113 Resp: 26881

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	132.2	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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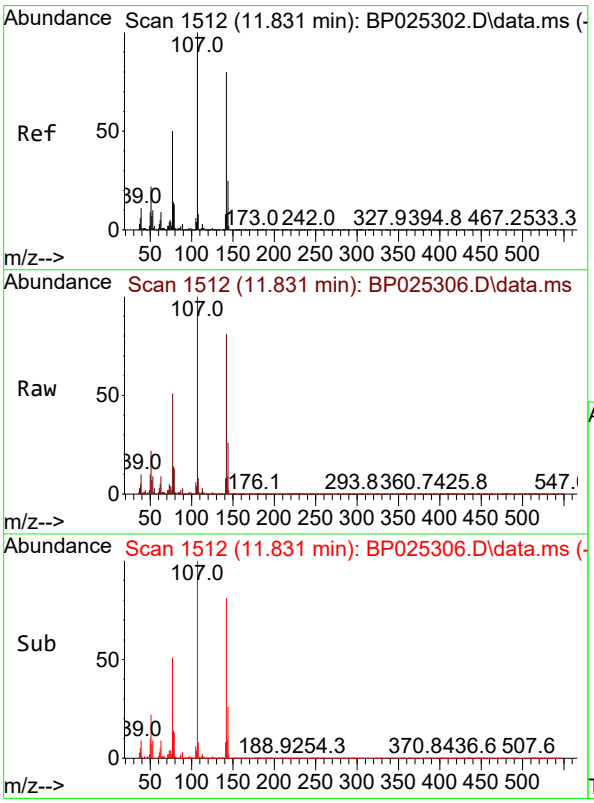
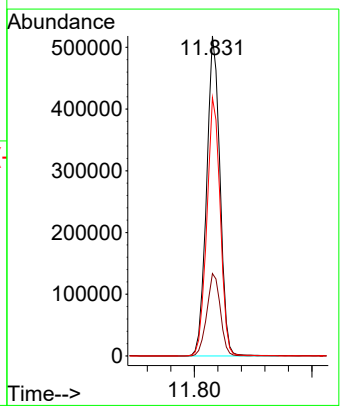
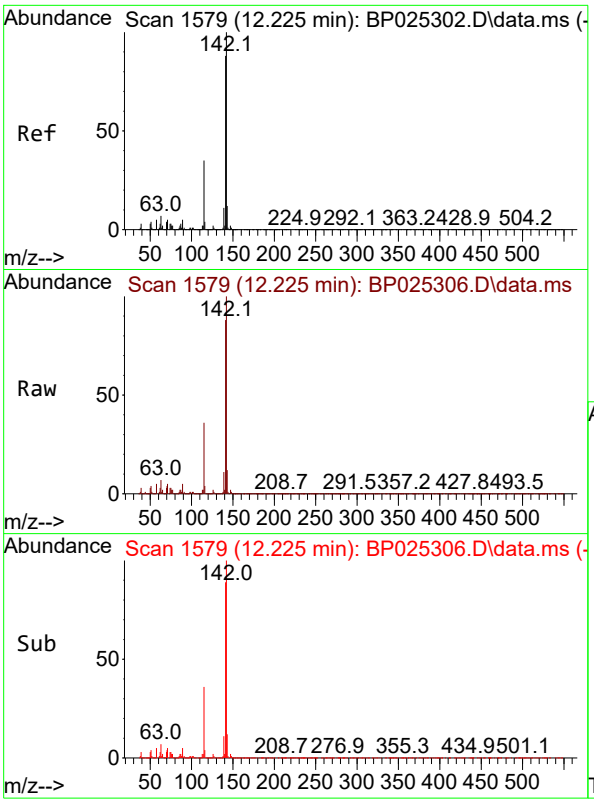


#36
4-Chloro-3-methylphenol
Concen: 39.847 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 817278

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	80.7	63.7	95.5

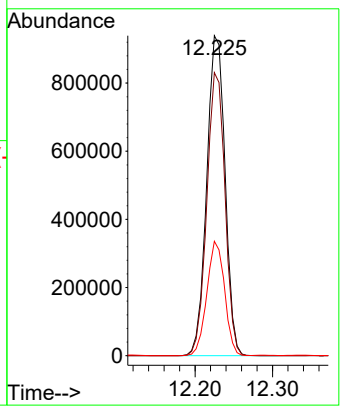




#37
2-Methylnaphthalene
Concen: 37.660 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 154662

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.4	105.6
115	35.7	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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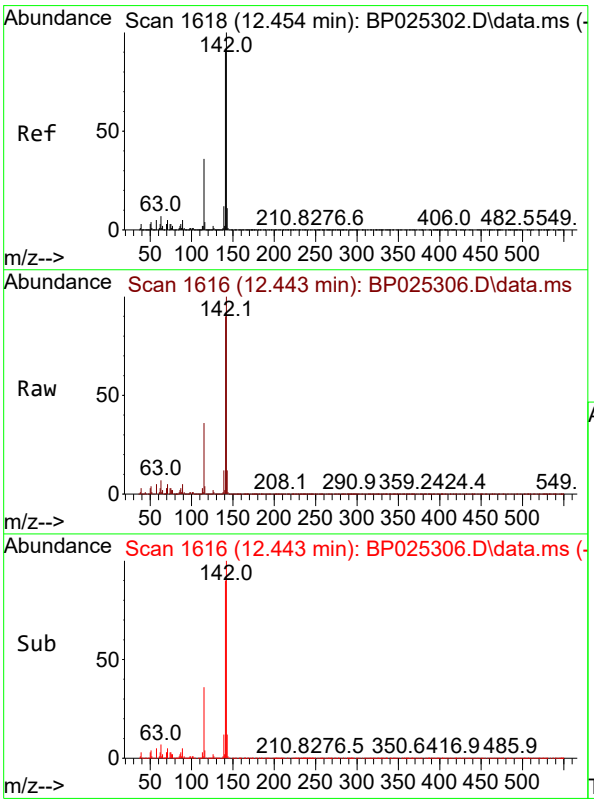
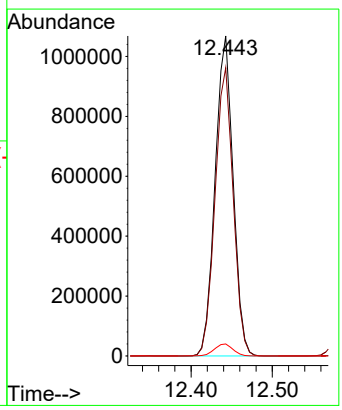
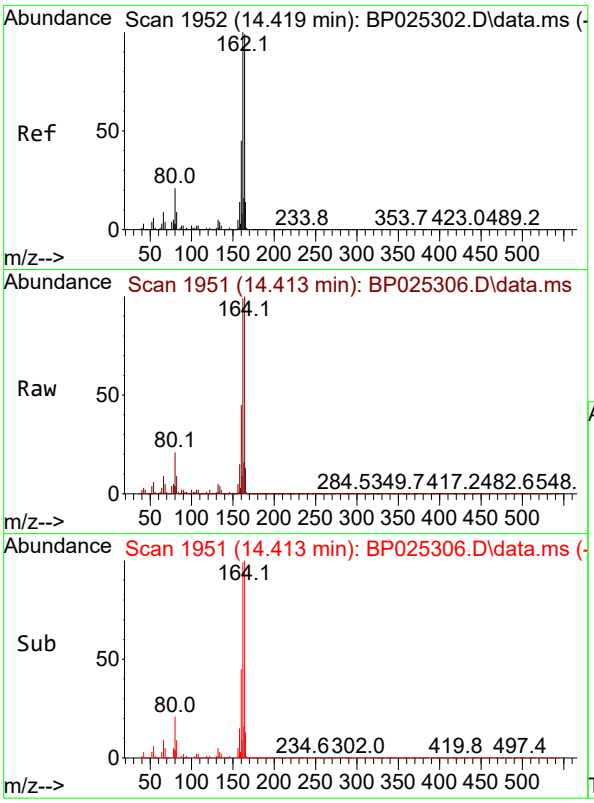


#38
1-Methylnaphthalene
Concen: 38.438 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 1647105

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	3.8	3.0	4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:164 Resp: 80299

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	120.8
160	45.0	35.9	53.9

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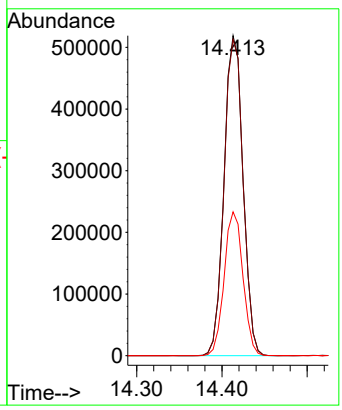
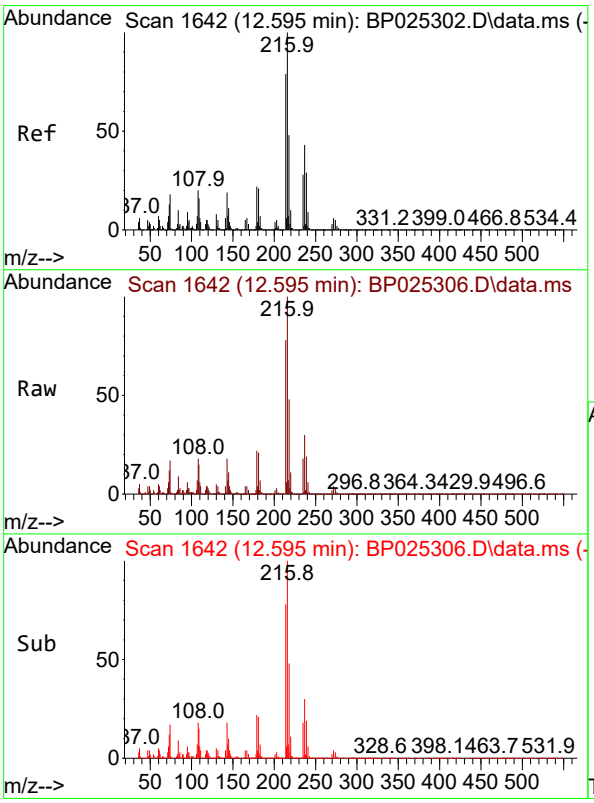
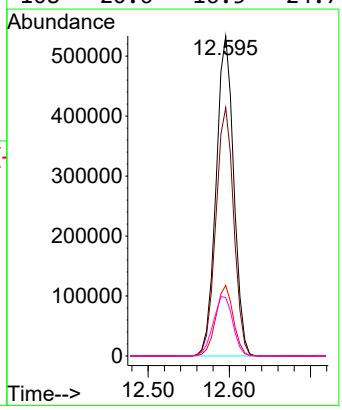


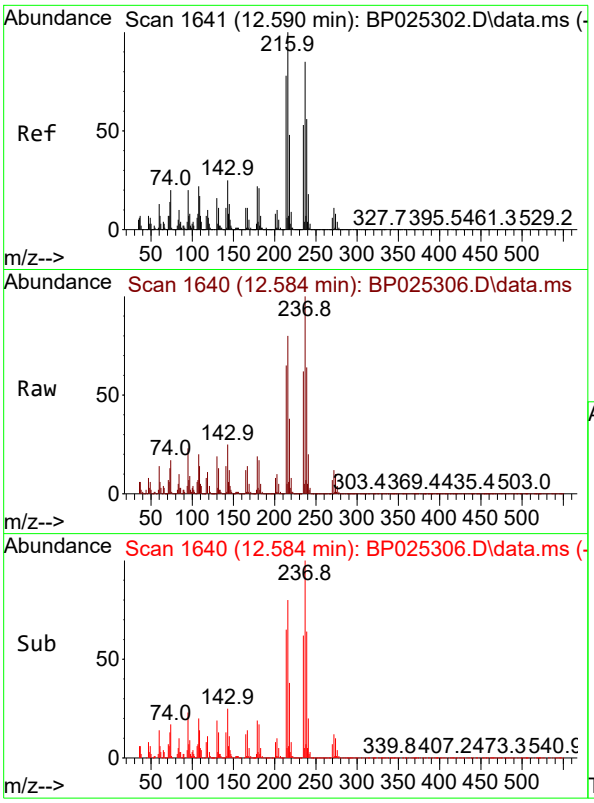


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.772 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:216 Resp: 806158

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.4	93.6
179	21.8	17.5	26.3
108	20.6	16.5	24.7

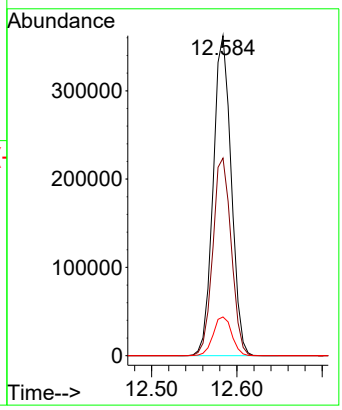




#41
Hexachlorocyclopentadiene
Concen: 39.389 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:237 Resp: 53296

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.2	82.2
272	12.1	0.0	32.8



Instrument :
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ClientSampleId :
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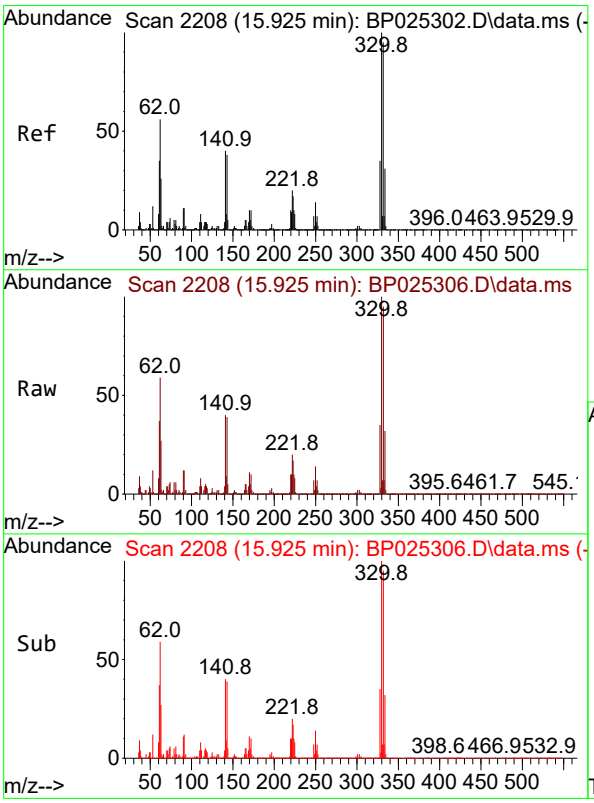
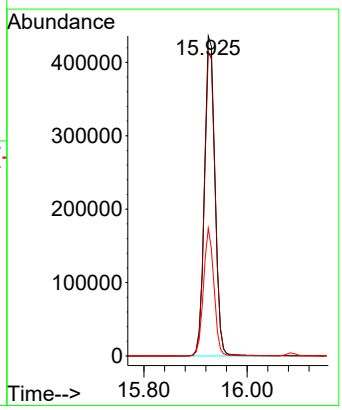
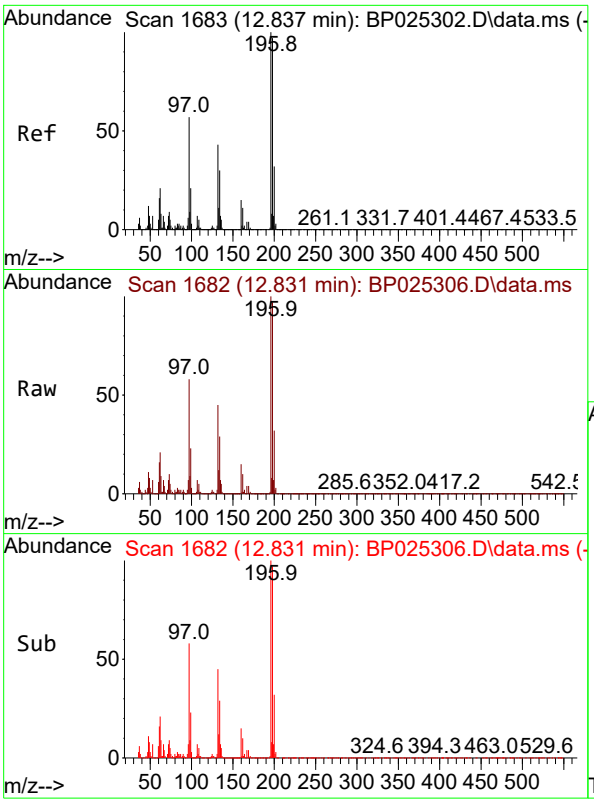


#42
2,4,6-Tribromophenol
Concen: 77.267 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:330 Resp: 618969

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.5	31.7	47.5

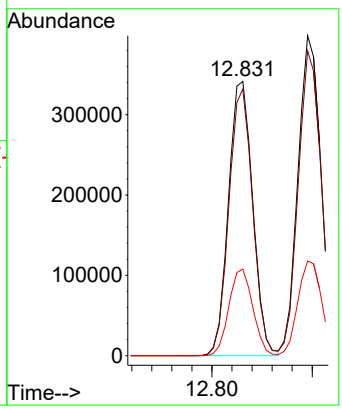




#43
2,4,6-Trichlorophenol
Concen: 40.551 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:196 Resp: 57428

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.3	115.9
200	31.6	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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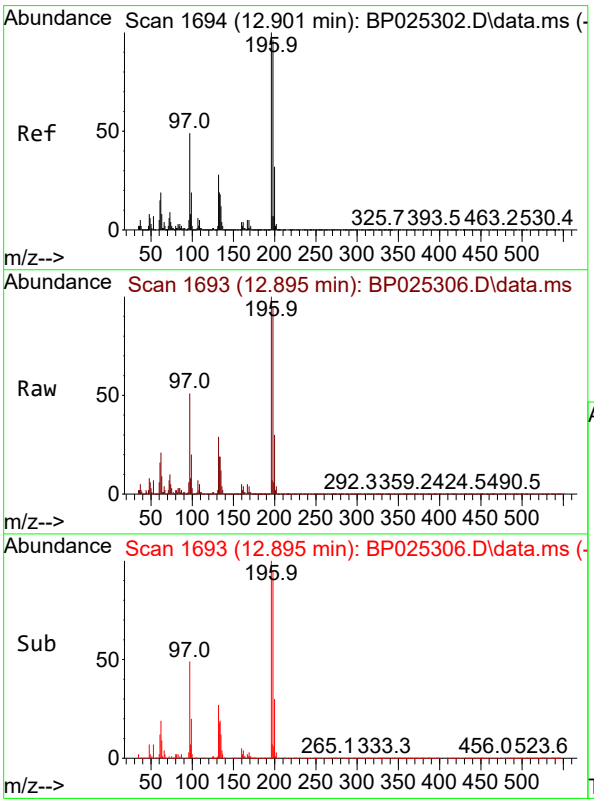
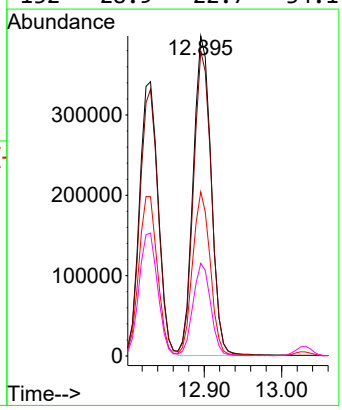
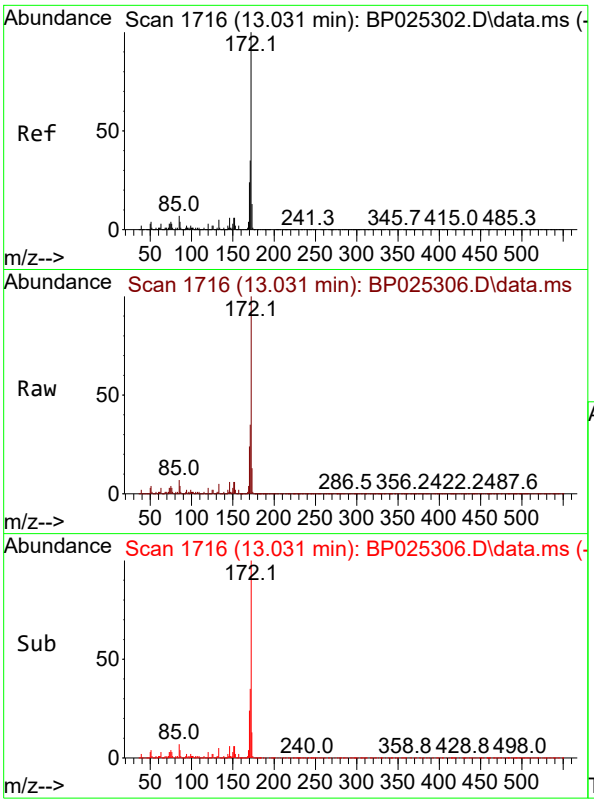


#44
2,4,5-Trichlorophenol
Concen: 40.117 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:196 Resp: 637340

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
97	51.3	39.5	59.3
132	28.9	22.7	34.1

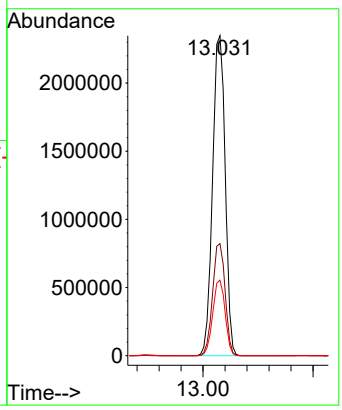




#45
2-Fluorobiphenyl
Concen: 64.394 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:172 Resp: 374367

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.6	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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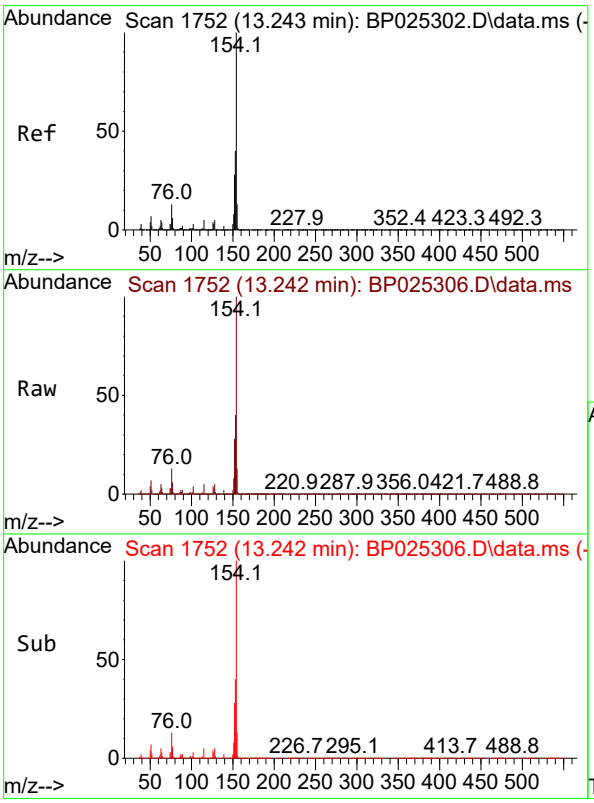
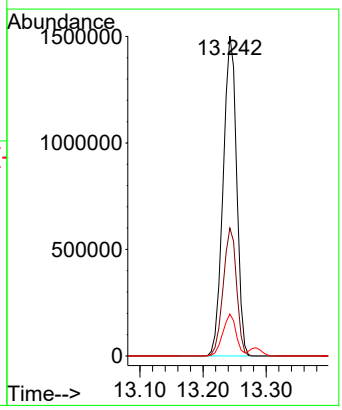
Supervised By :Jagrut Upadhyay 08/06/2025

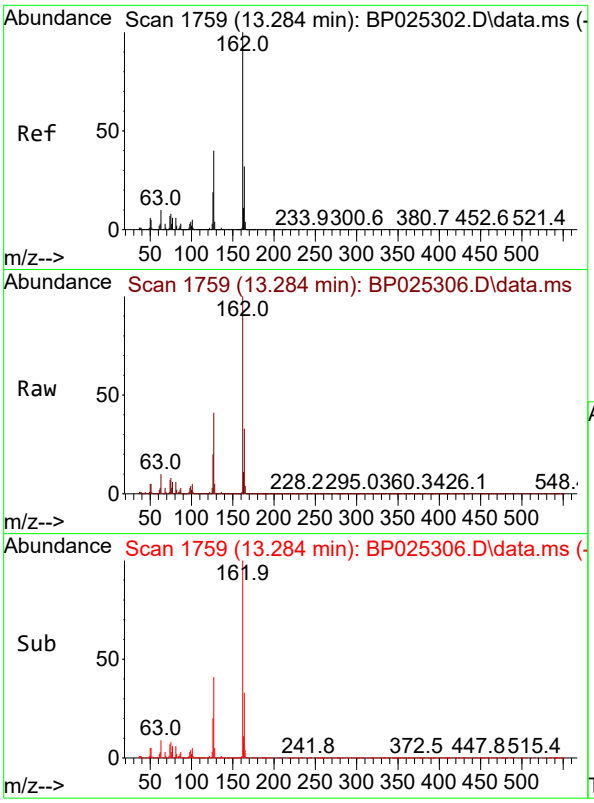


#46
1,1'-Biphenyl
Concen: 37.601 ng
RT: 13.242 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 2225078

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.1	0.0	33.2

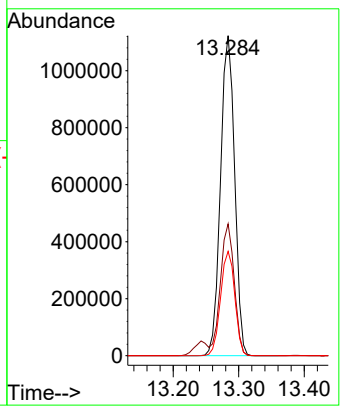




#47
2-Chloronaphthalene
Concen: 36.992 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:162 Resp: 167007

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	32.6	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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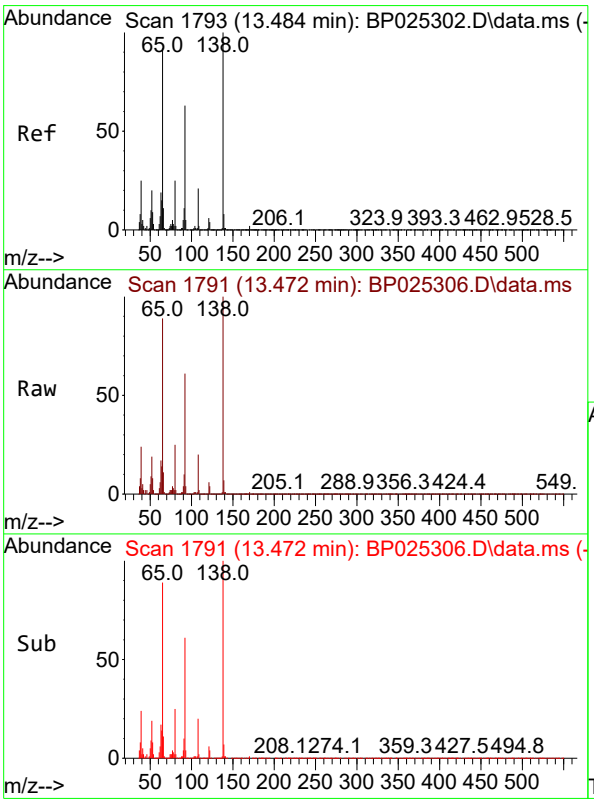
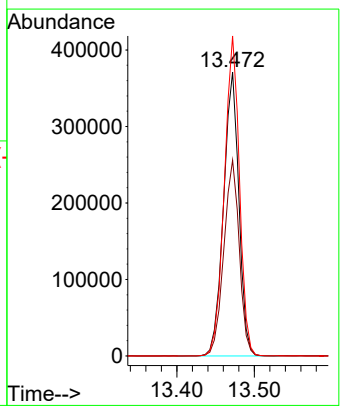
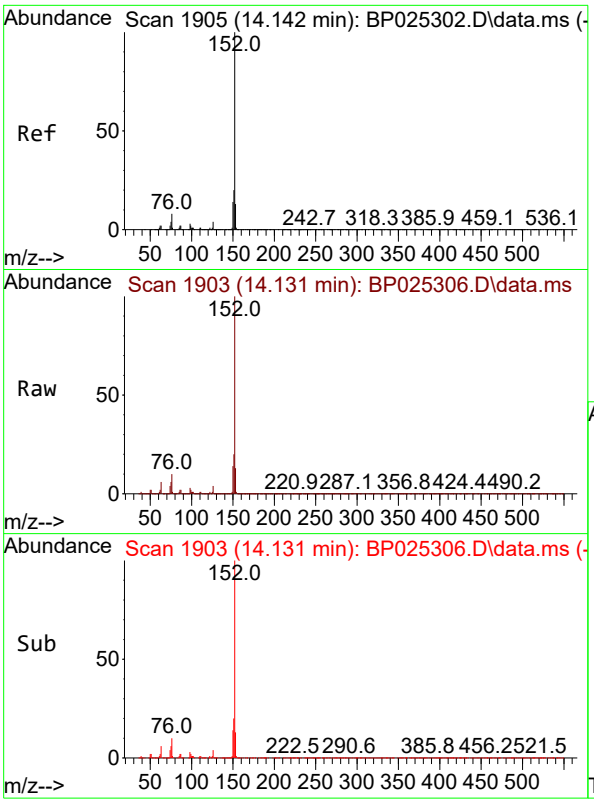


#48
2-Nitroaniline
Concen: 39.111 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 65 Resp: 509511

Ion	Ratio	Lower	Upper
65	100		
92	69.0	54.4	81.6
138	112.8	87.0	130.4

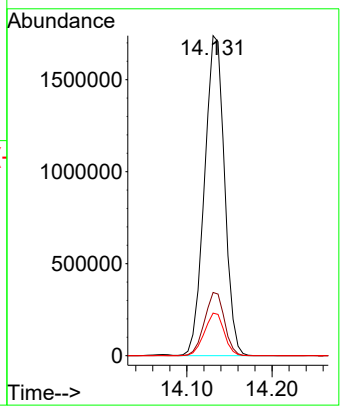




#49
Acenaphthylene
Concen: 37.711 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:152 Resp: 283989

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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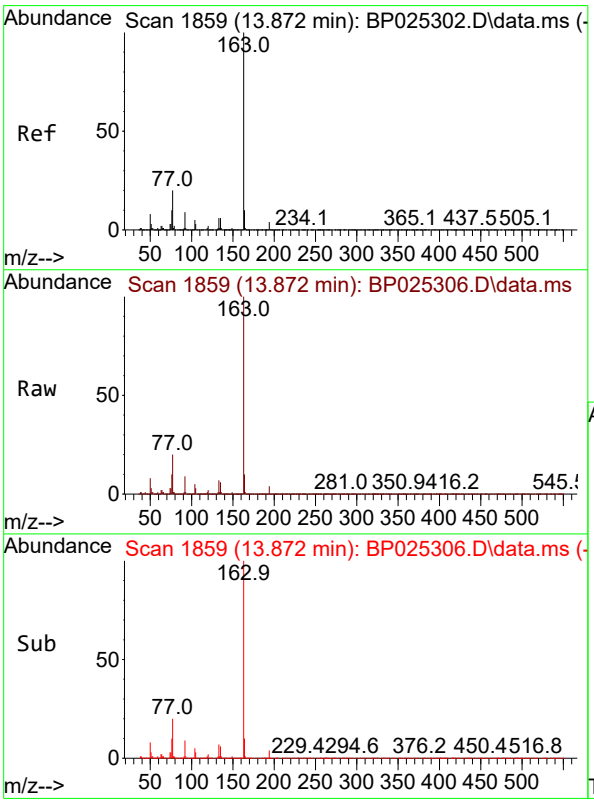
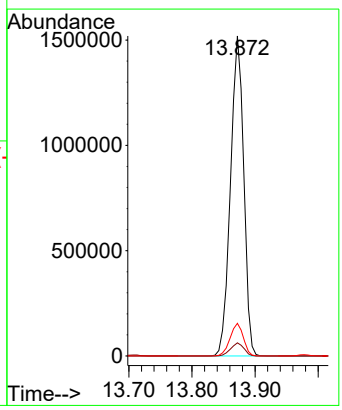
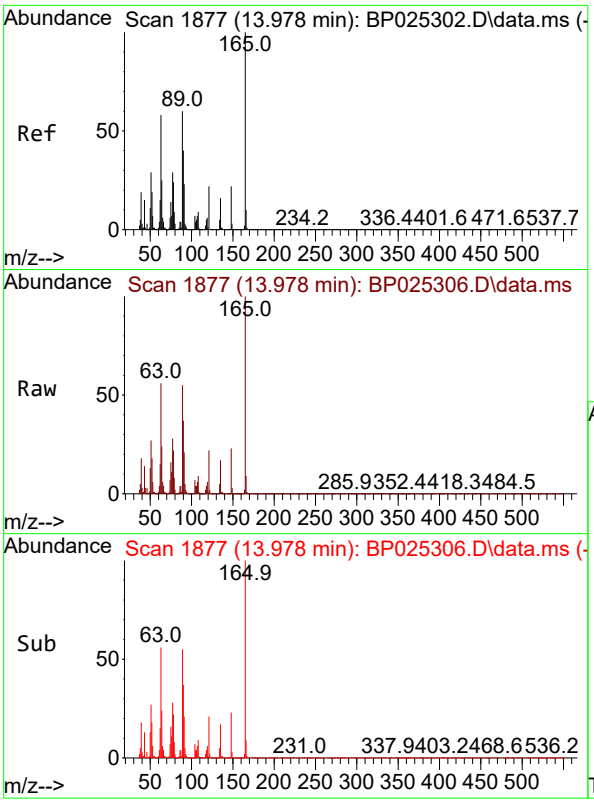


#50
Dimethylphthalate
Concen: 37.765 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:163 Resp: 2210689

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.0	12.0

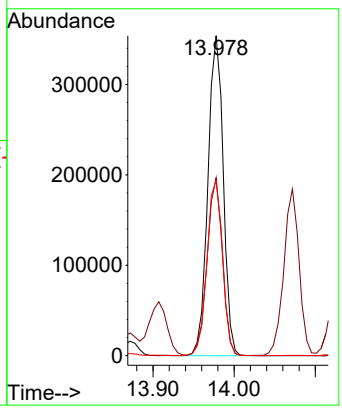




#51
2,6-Dinitrotoluene
Concen: 42.979 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:165 Resp: 46406

Ion	Ratio	Lower	Upper
165	100		
63	55.6	47.6	71.4
89	54.8	47.8	71.8



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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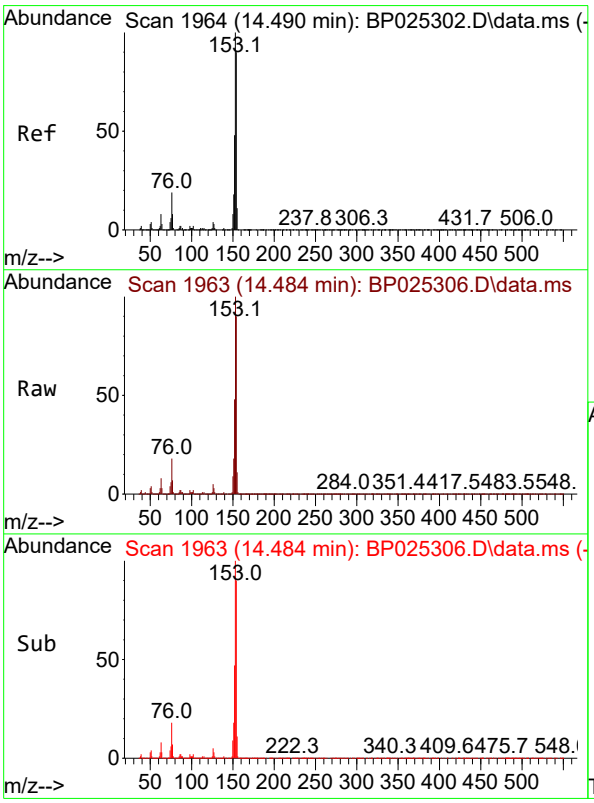
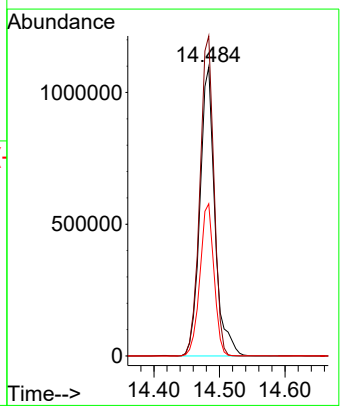
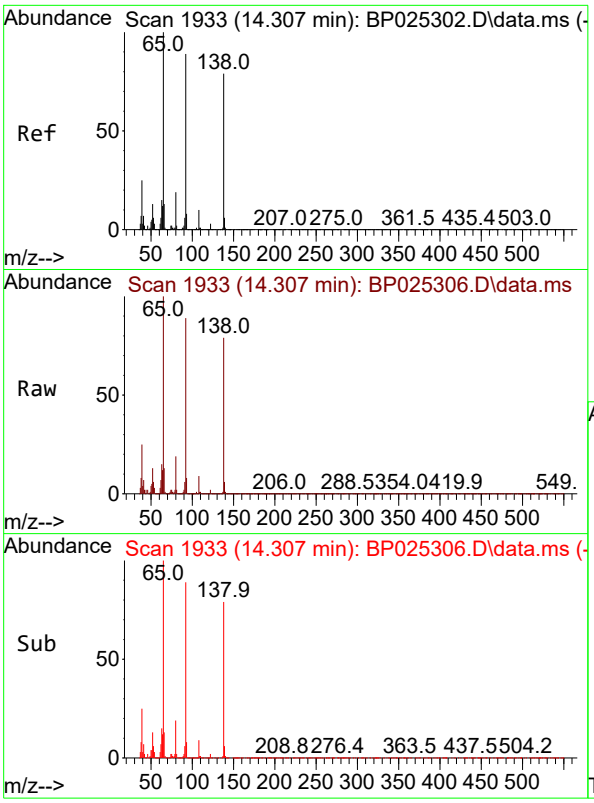


#52
Acenaphthene
Concen: 37.908 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 1741305

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.4	134.0
152	52.6	43.0	64.6





#53
3-Nitroaniline
Concen: 42.925 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:138 Resp: 54233

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.5	15.7
92	113.5	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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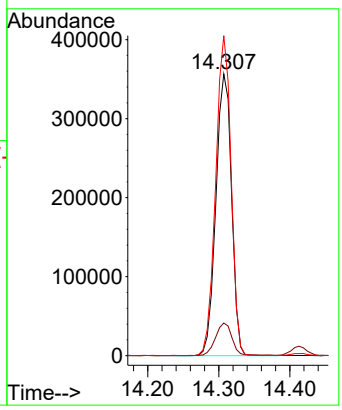
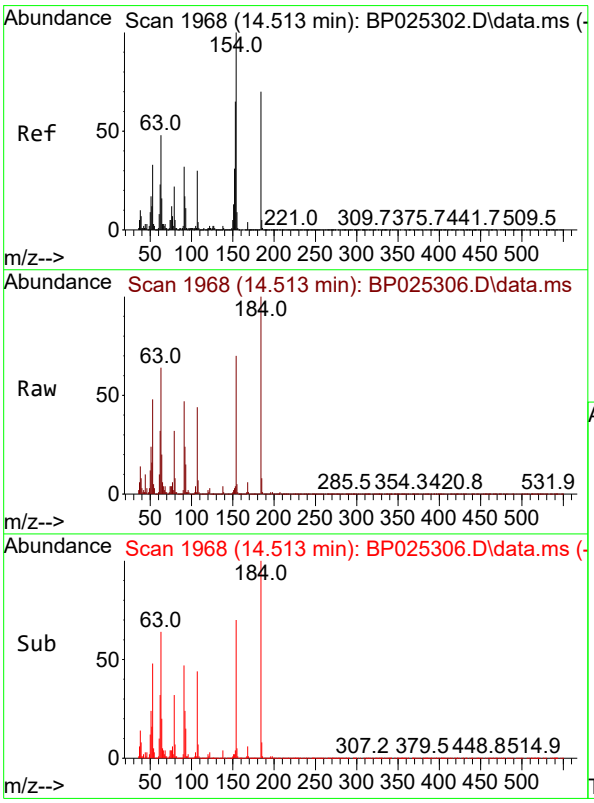
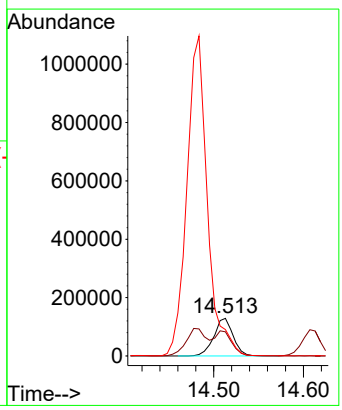


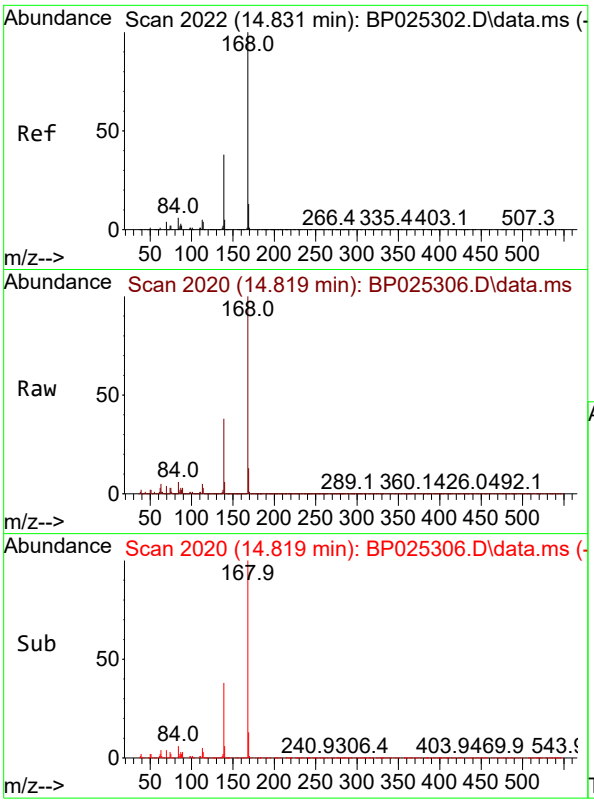


#54
2,4-Dinitrophenol
Concen: 44.579 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:184 Resp: 192889

Ion	Ratio	Lower	Upper
184	100		
63	64.3	56.3	84.5
154	70.3	124.5	186.7#

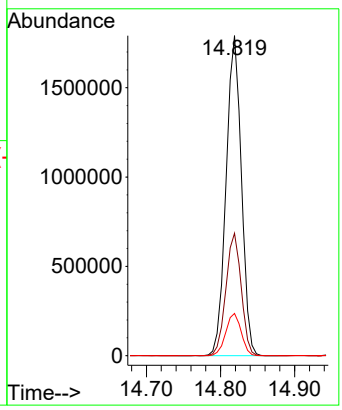




#55
Dibenzofuran
Concen: 37.357 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:168 Resp: 256438

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.5	45.7
169	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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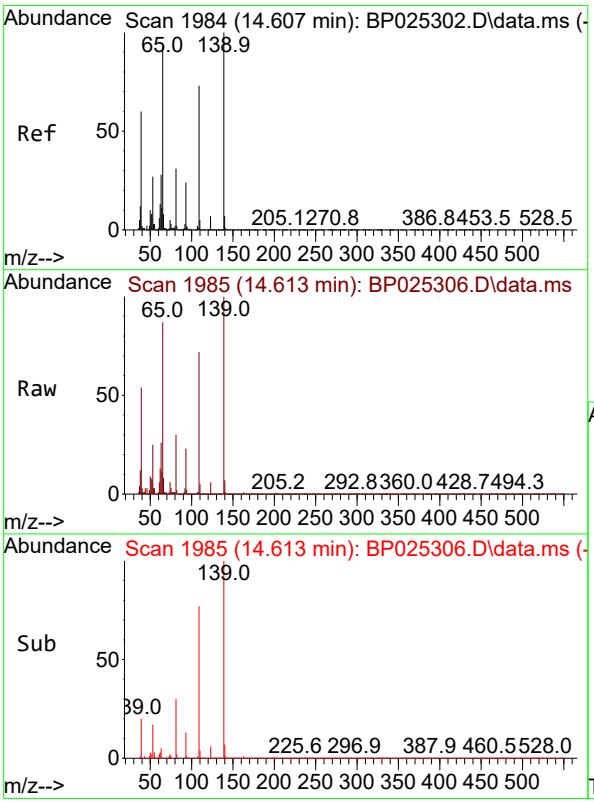
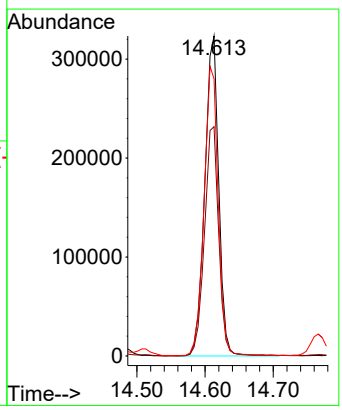
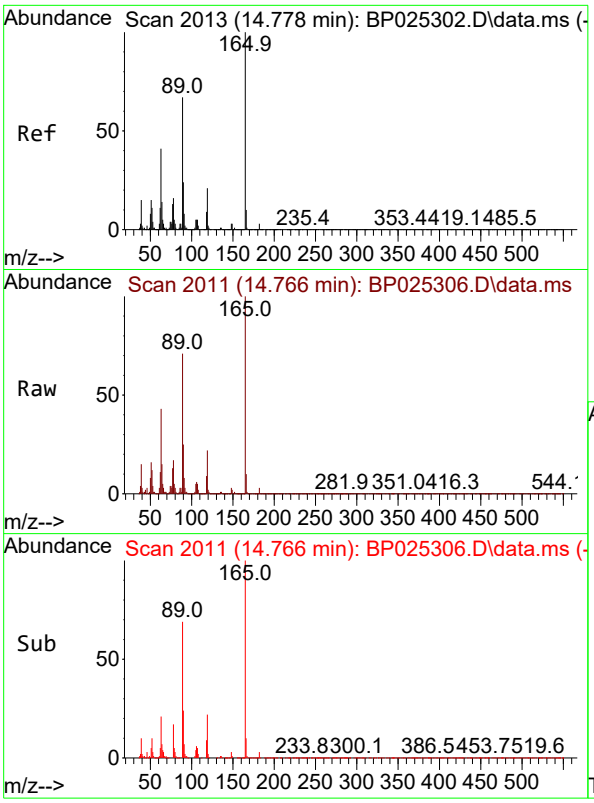


#56
4-Nitrophenol
Concen: 41.198 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 459387

Ion	Ratio	Lower	Upper
139	100		
109	71.6	52.7	92.7
65	86.6	73.4	113.4

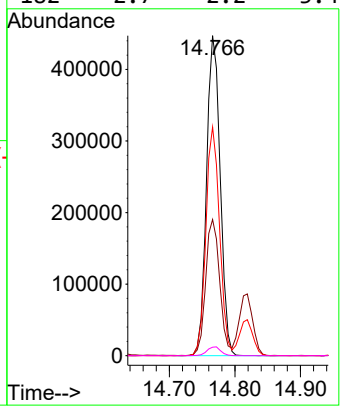




#57
2,4-Dinitrotoluene
Concen: 39.363 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:165 Resp: 64833

Ion	Ratio	Lower	Upper
165	100		
63	42.6	33.2	49.8
89	71.5	53.5	80.3
182	2.7	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
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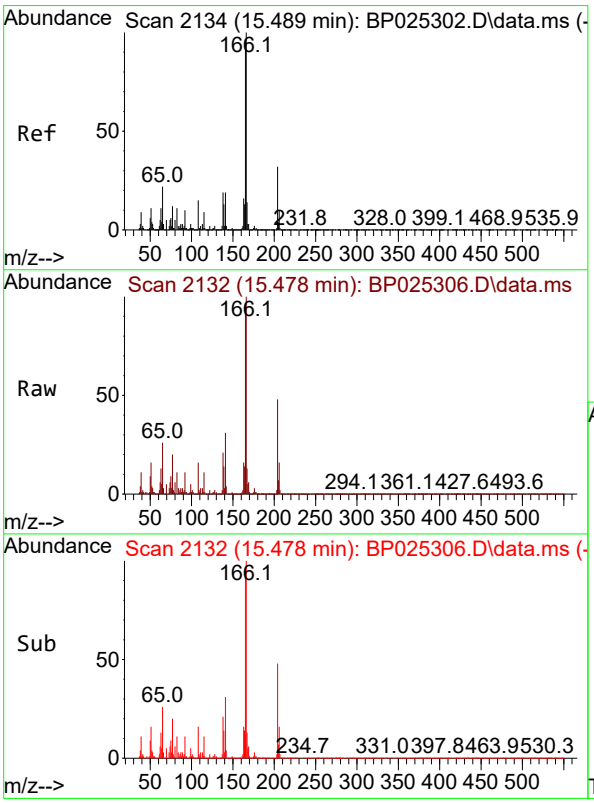
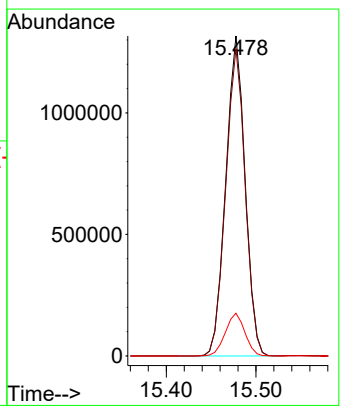
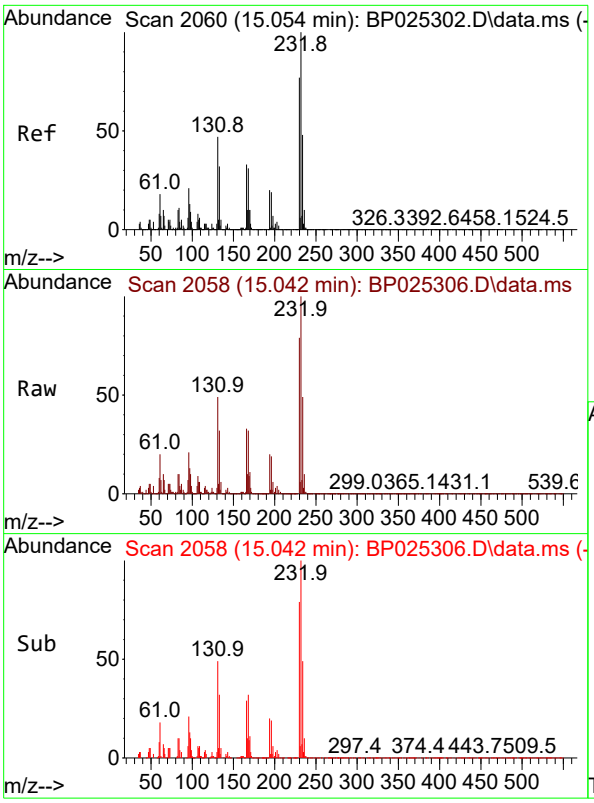


#58
Fluorene
Concen: 36.584 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:166 Resp: 1972403

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.7	115.1
167	13.4	10.9	16.3

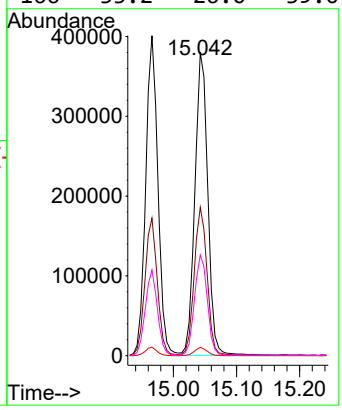




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.516 ng
RT: 15.042 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:232 Resp: 53767

Ion	Ratio	Lower	Upper
232	100		
131	48.5	39.3	58.9
130	2.6	2.2	3.2
166	33.2	26.0	39.0



Instrument :
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ClientSampleId :
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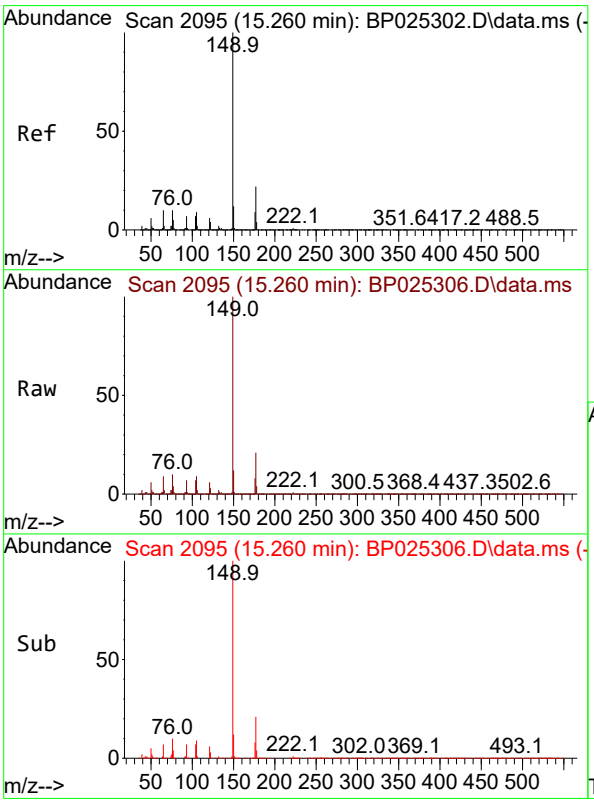
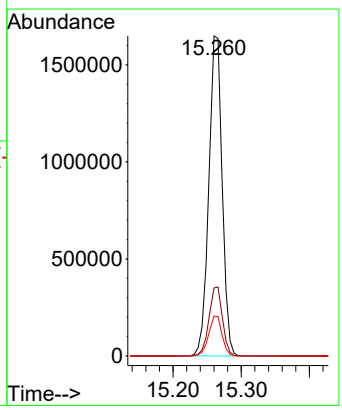
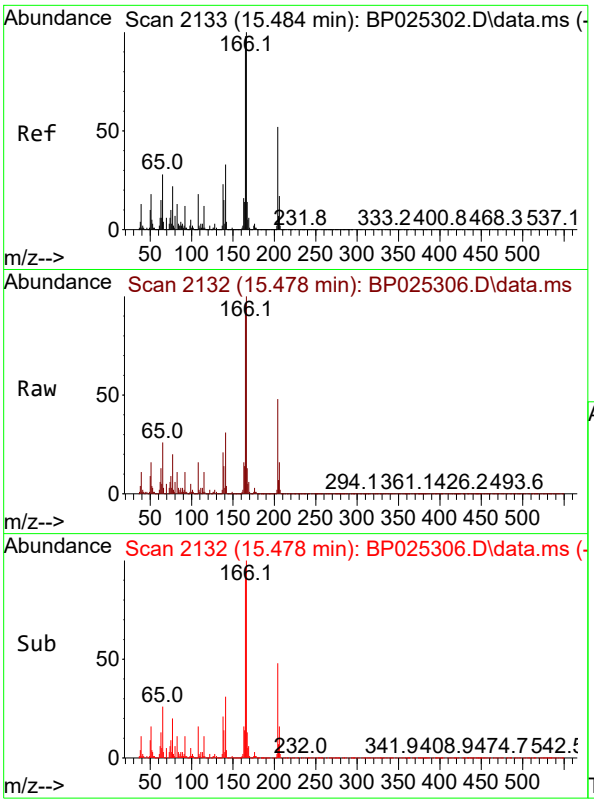


#60
Diethylphthalate
Concen: 38.127 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2250136

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.4	9.8	14.8

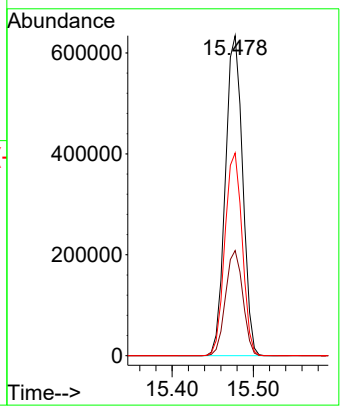




#61
4-Chlorophenyl-phenylether
Concen: 36.635 ng
RT: 15.478 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:204 Resp: 93637

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.0	40.4
141	63.4	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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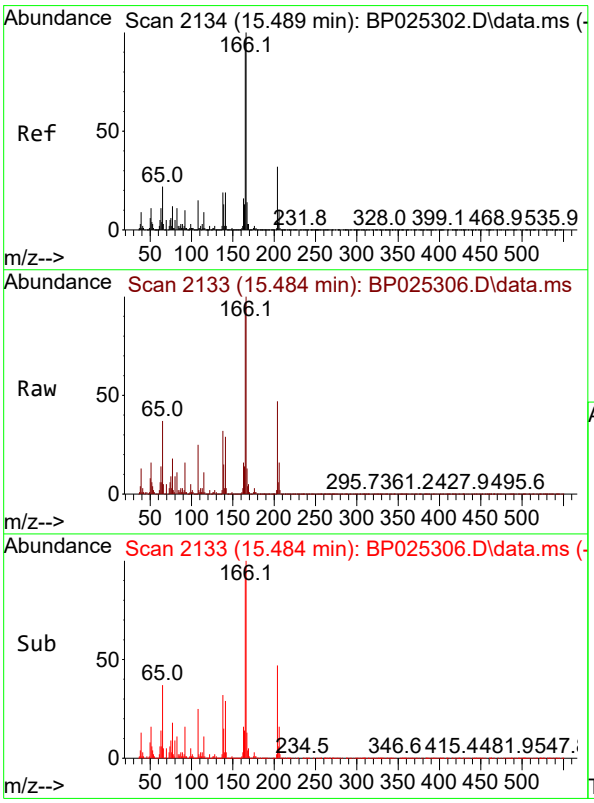
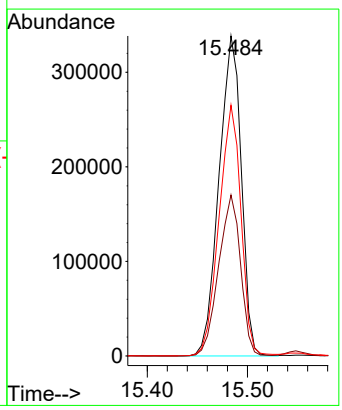
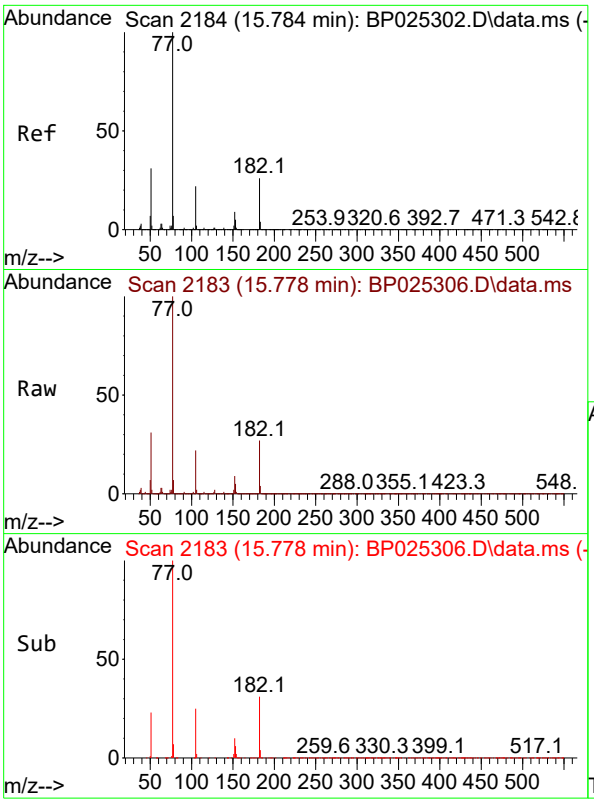


#62
4-Nitroaniline
Concen: 41.652 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:138 Resp: 521442

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.8	69.8
108	78.3	56.6	96.6

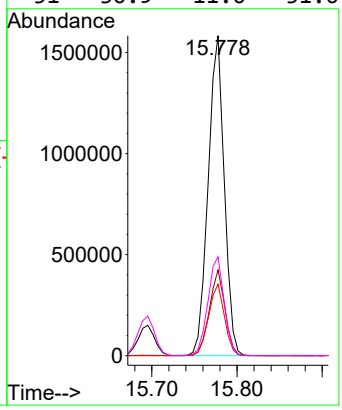




#63
Azobenzene
Concen: 37.866 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 207603

Ion	Ratio	Lower	Upper
77	100		
182	26.8	6.0	46.0
105	22.4	2.1	42.1
51	30.9	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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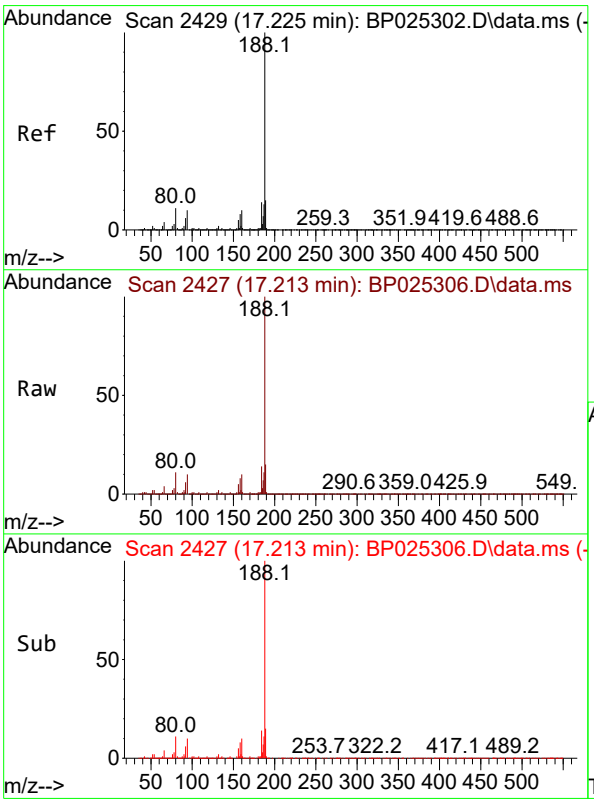
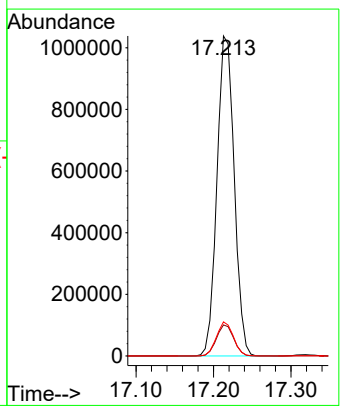
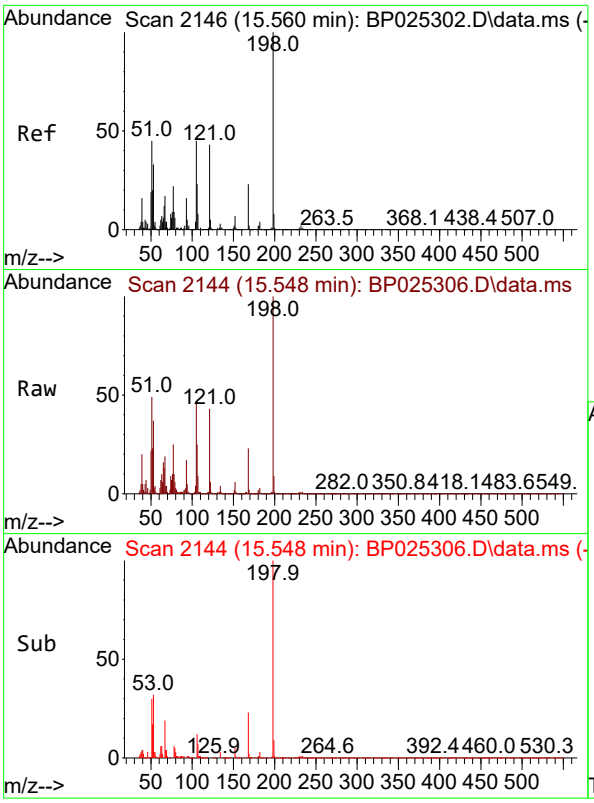


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:188 Resp: 1605717

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.7	8.5	12.7

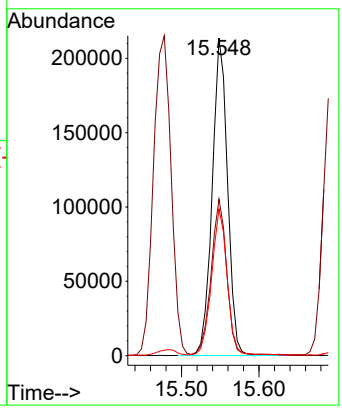




#65
4,6-Dinitro-2-methylphenol
Concen: 43.059 ng
RT: 15.548 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:198 Resp: 29369

Ion	Ratio	Lower	Upper
198	100		
51	49.3	26.7	66.7
105	46.2	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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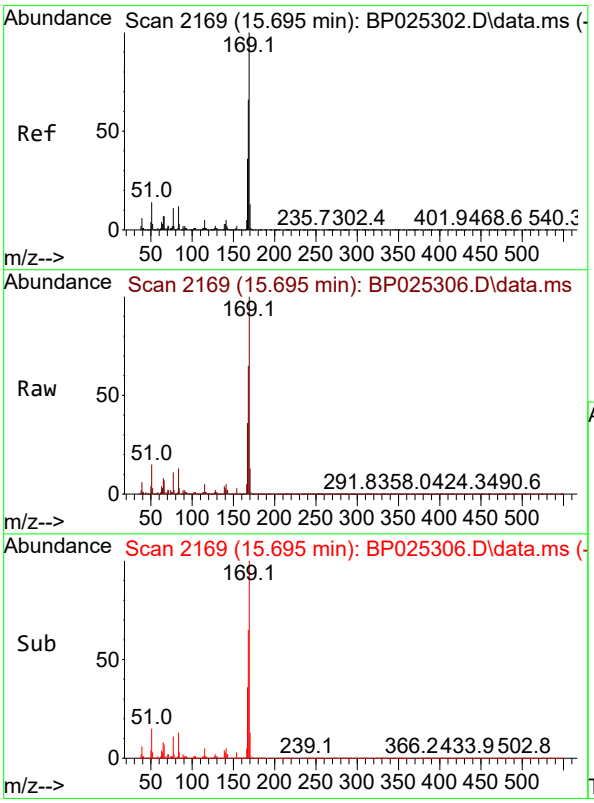
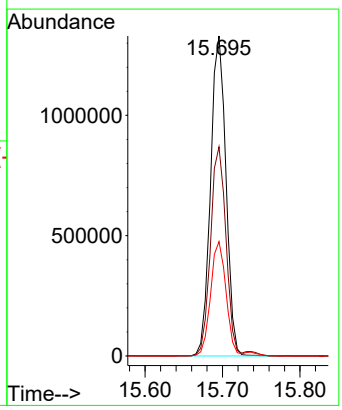
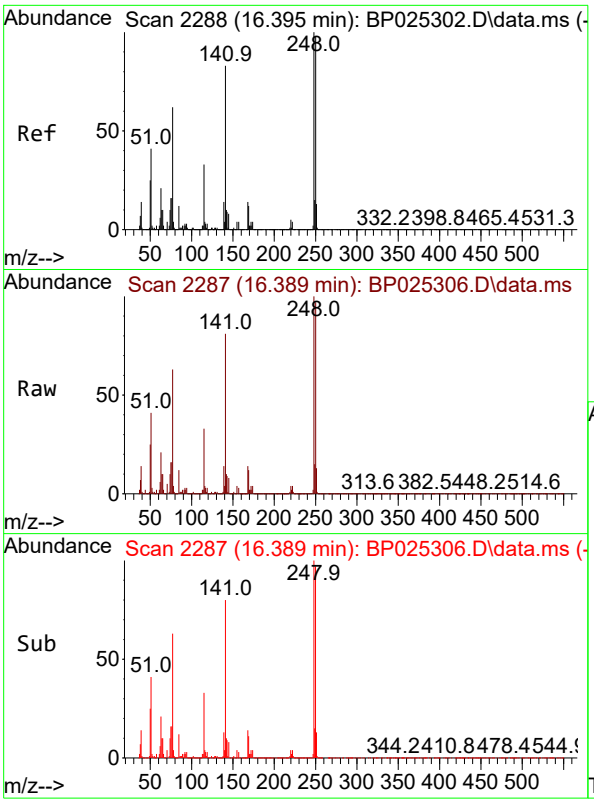


#66
n-Nitrosodiphenylamine
Concen: 37.466 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:169 Resp: 1831755

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.8	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 37.882 ng
RT: 16.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:248 Resp: 61202

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	80.7	66.6	99.8

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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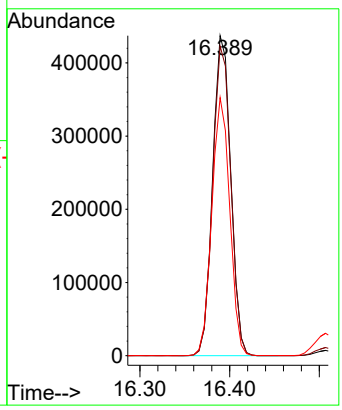
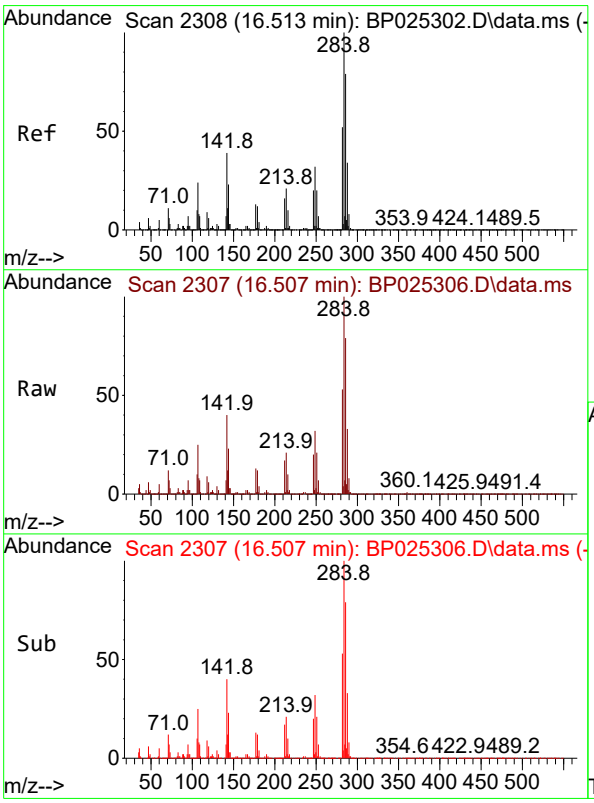
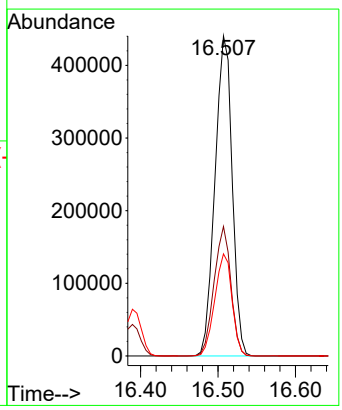


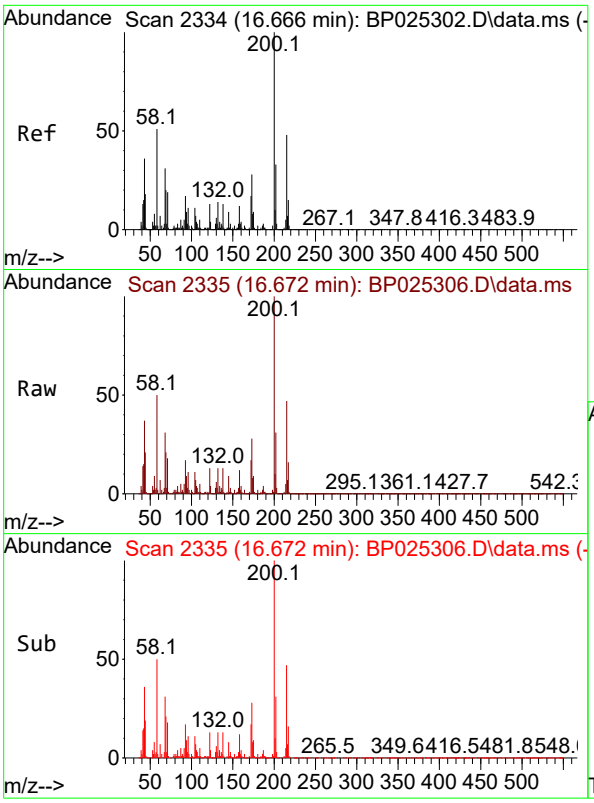


#68
Hexachlorobenzene
Concen: 37.437 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:284 Resp: 678667

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	31.9	25.4	38.0

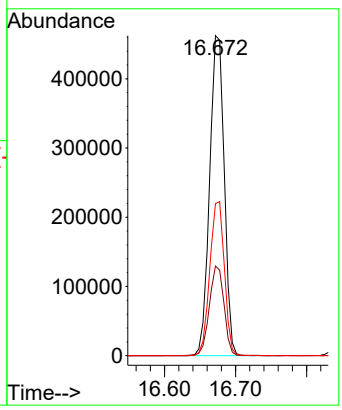




#69
Atrazine
Concen: 38.434 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:200 Resp: 66081

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.2	48.2
215	47.5	28.1	68.1



Instrument :
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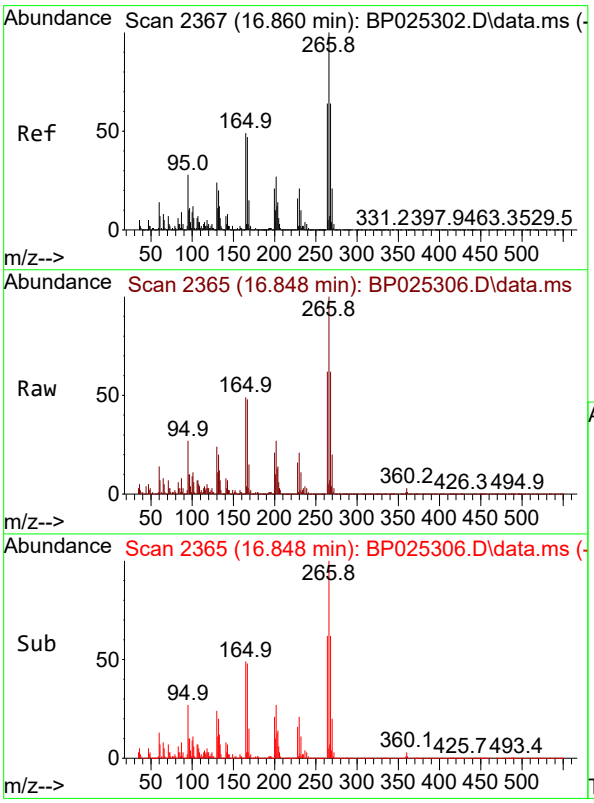
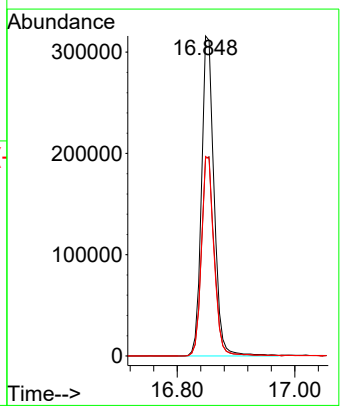
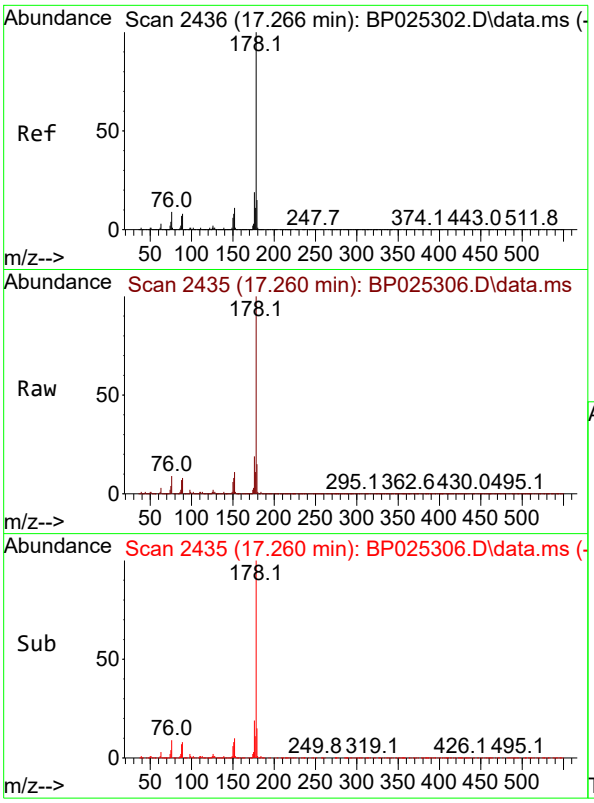


#70
Pentachlorophenol
Concen: 40.655 ng
RT: 16.848 min Scan# 2365
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:266 Resp: 469548

Ion	Ratio	Lower	Upper
266	100		
268	61.8	51.4	77.0
264	62.4	51.1	76.7

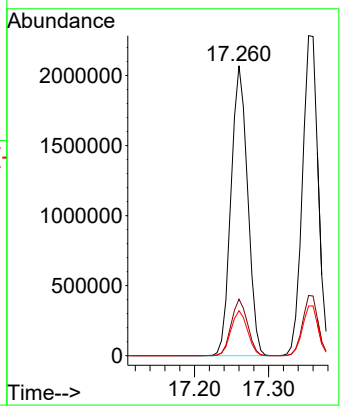




#71
Phenanthrene
Concen: 36.596 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:178 Resp: 321848

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.5	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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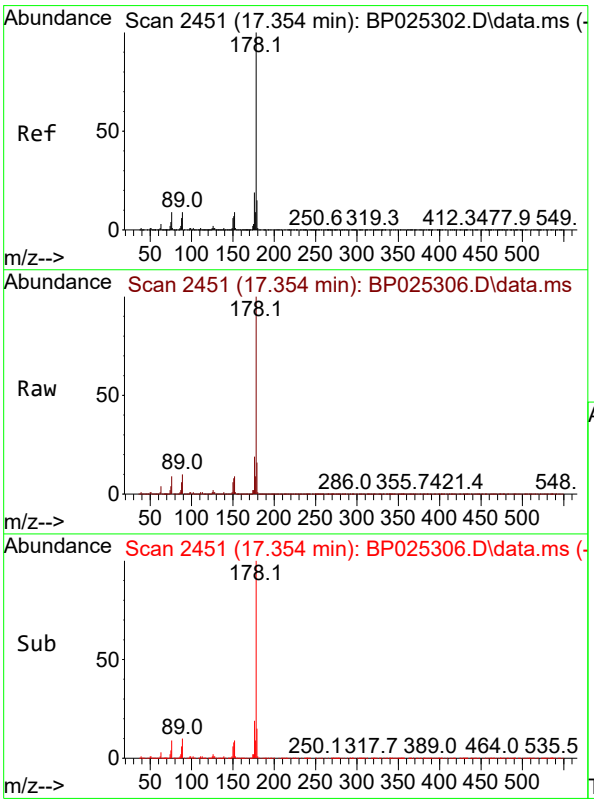
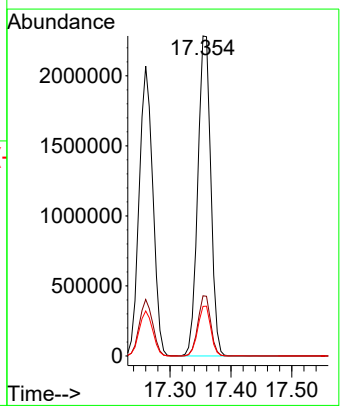
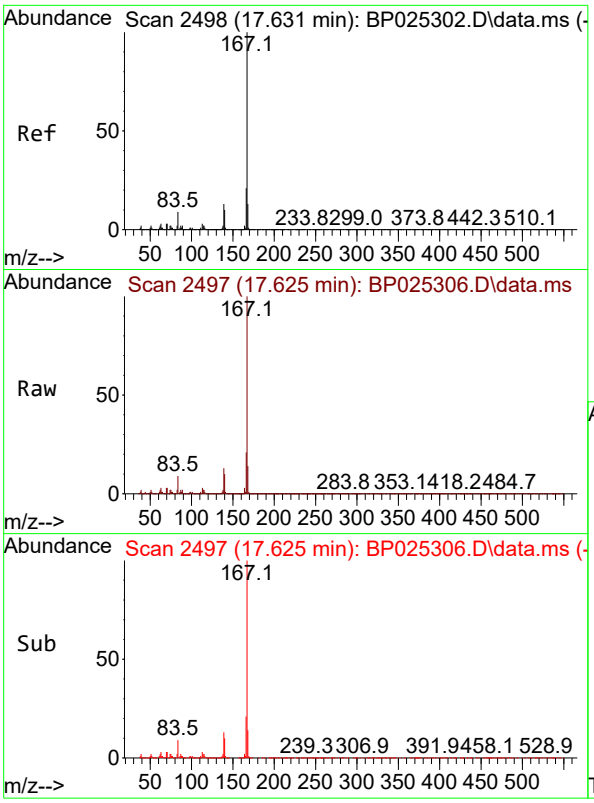


#72
Anthracene
Concen: 38.053 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:178 Resp: 3374425

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.3	18.5

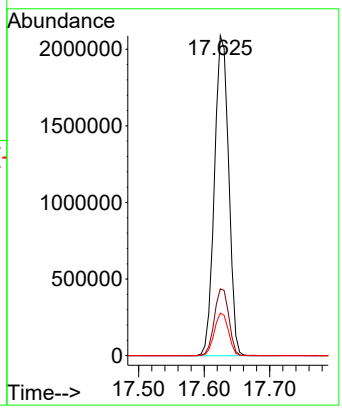




#73
Carbazole
Concen: 36.915 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:167 Resp: 314227

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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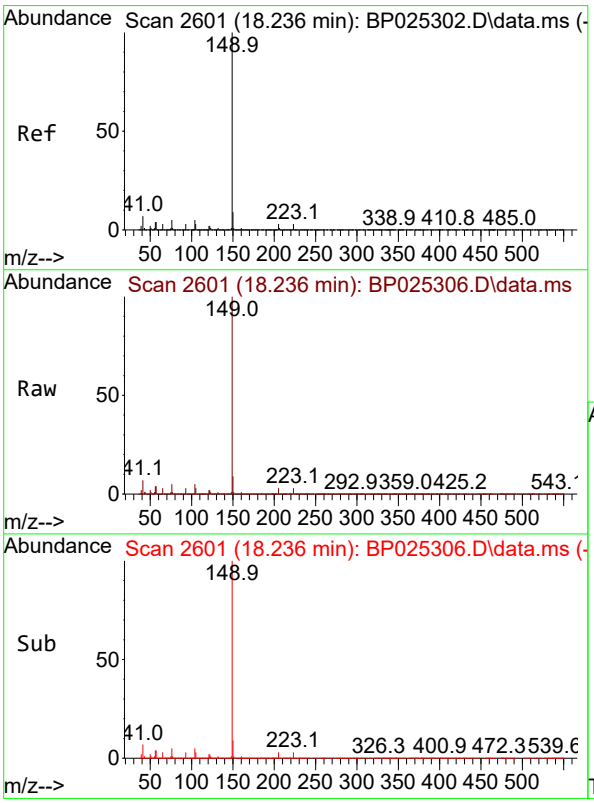
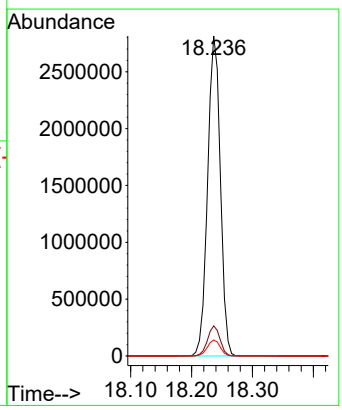
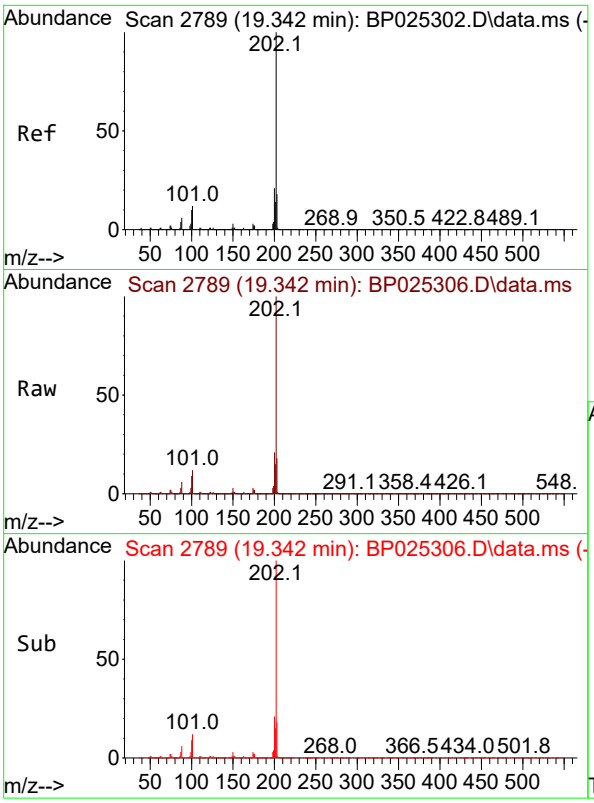


#74
Di-n-butylphthalate
Concen: 39.636 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 4081711

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.0	4.1	6.1

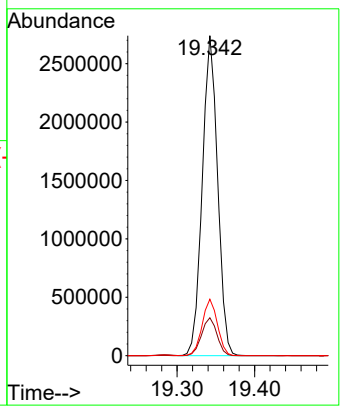




#75
Fluoranthene
Concen: 36.904 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:202 Resp: 375723

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.5
203	17.7	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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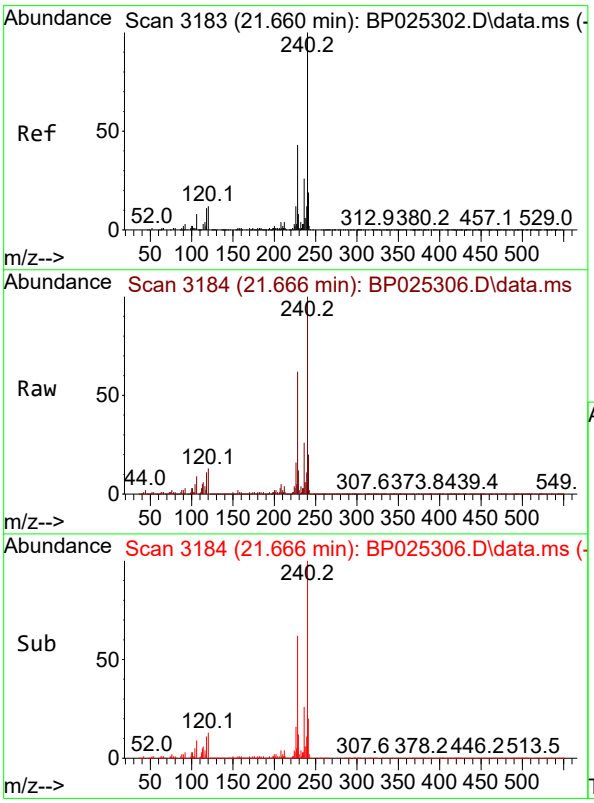
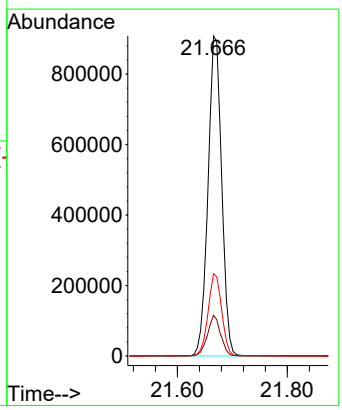
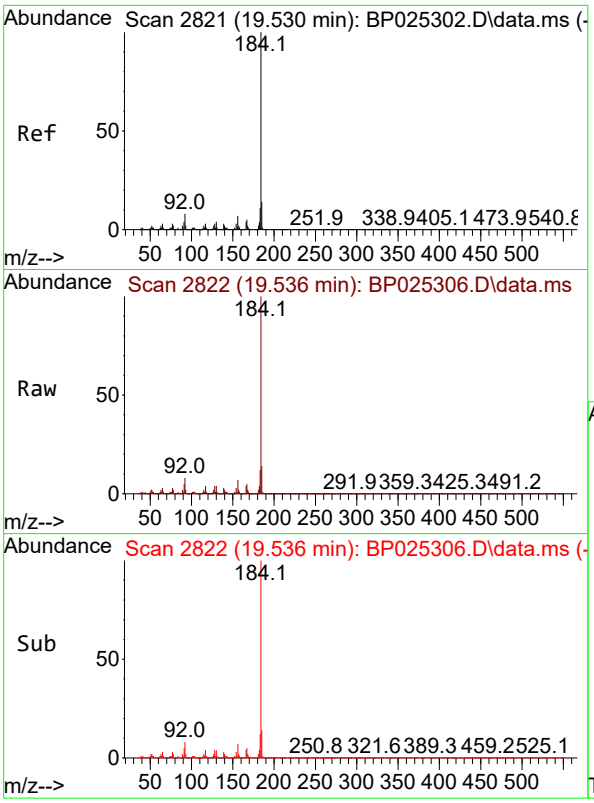


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:240 Resp: 1565231

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.6	14.4
236	25.7	20.4	30.6

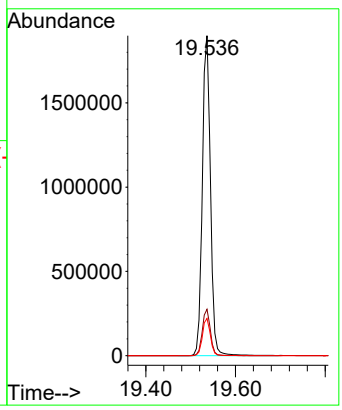




#77
Benzidine
Concen: 42.024 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:184 Resp: 238075

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.0	16.6
183	11.6	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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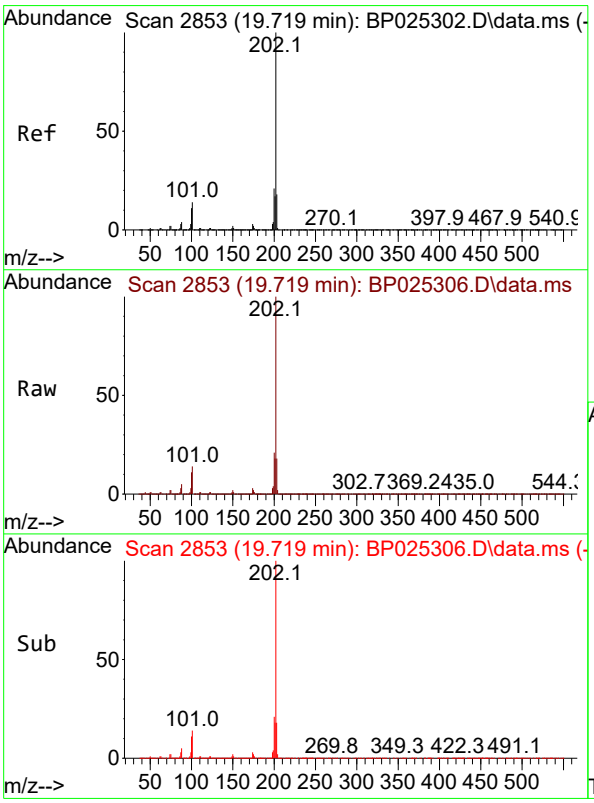
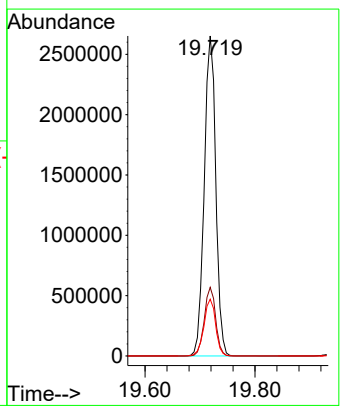
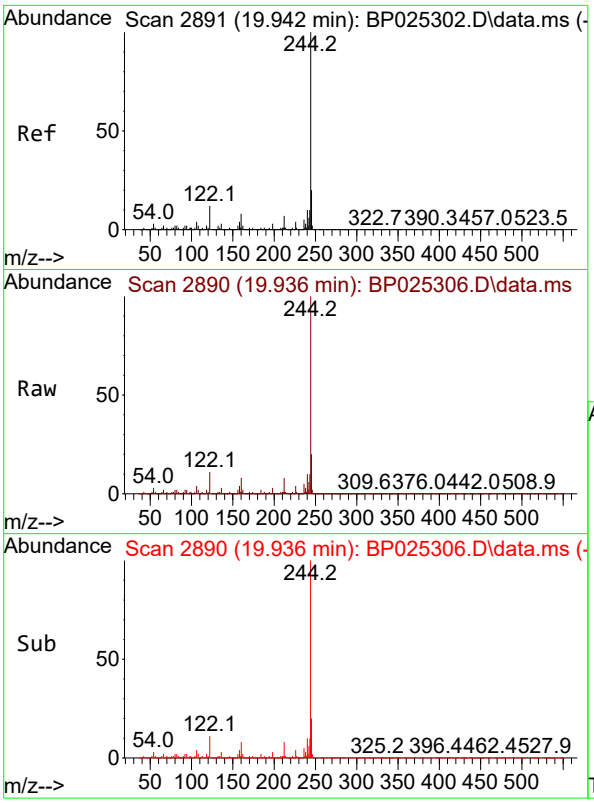


#78
Pyrene
Concen: 37.027 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:202 Resp: 3853987

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.1	21.1

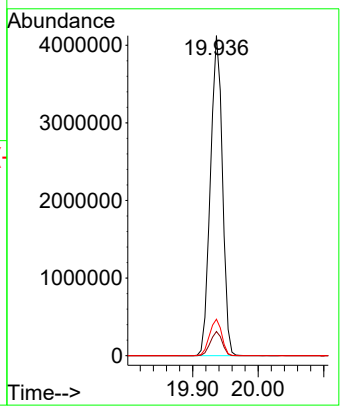




#79
Terphenyl-d14
Concen: 63.367 ng
RT: 19.936 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:244 Resp: 525122

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.4	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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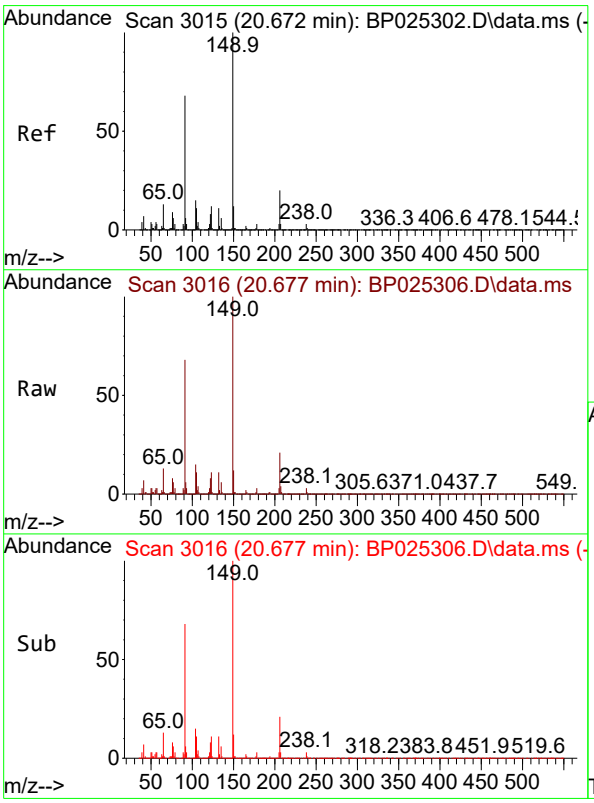
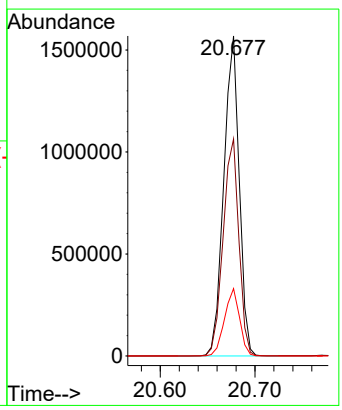
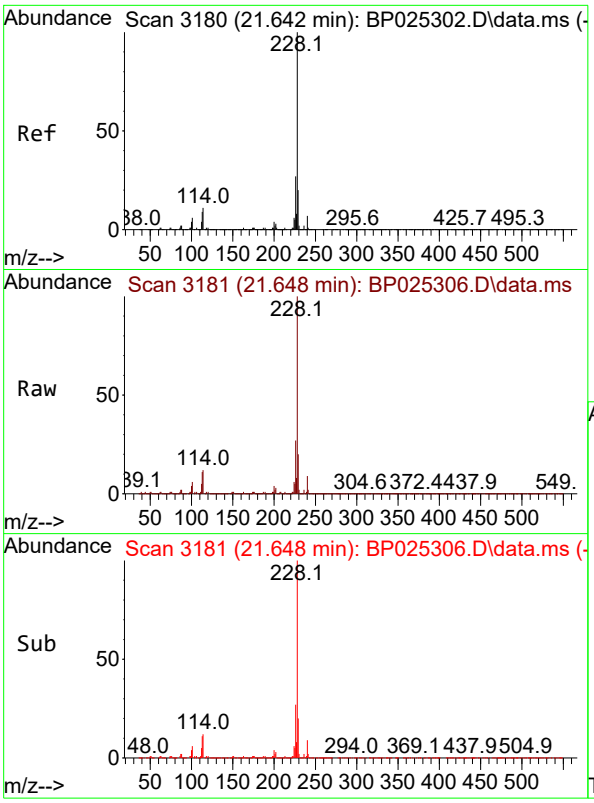


#80
Butylbenzylphthalate
Concen: 42.064 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 1775636

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.7	82.1
206	21.1	16.4	24.6

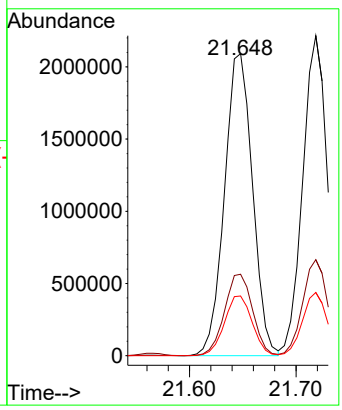




#81
Benzo(a)anthracene
Concen: 36.791 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:228 Resp: 382677

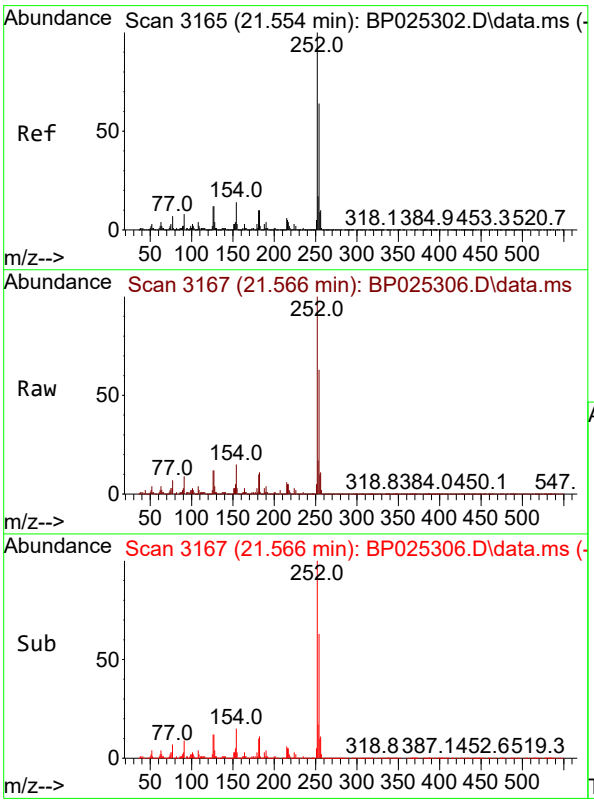
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

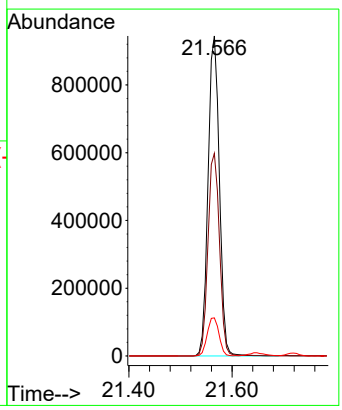
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

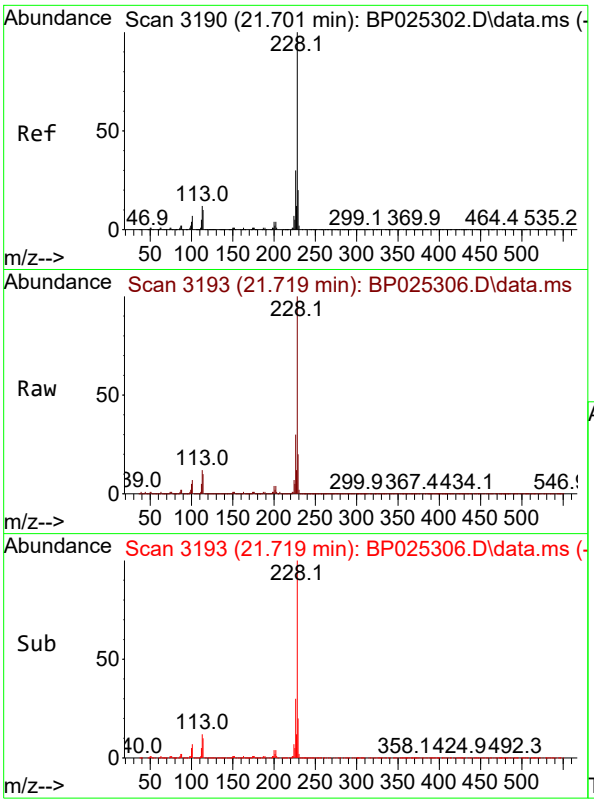


#82
3,3'-Dichlorobenzidine
Concen: 38.998 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 1431183

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.0	76.6
126	11.9	9.4	14.2

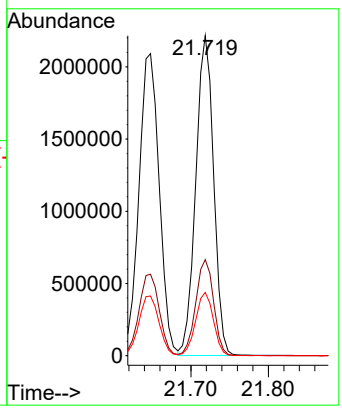




#83
Chrysene
Concen: 36.707 ng
RT: 21.719 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:228 Resp: 354127

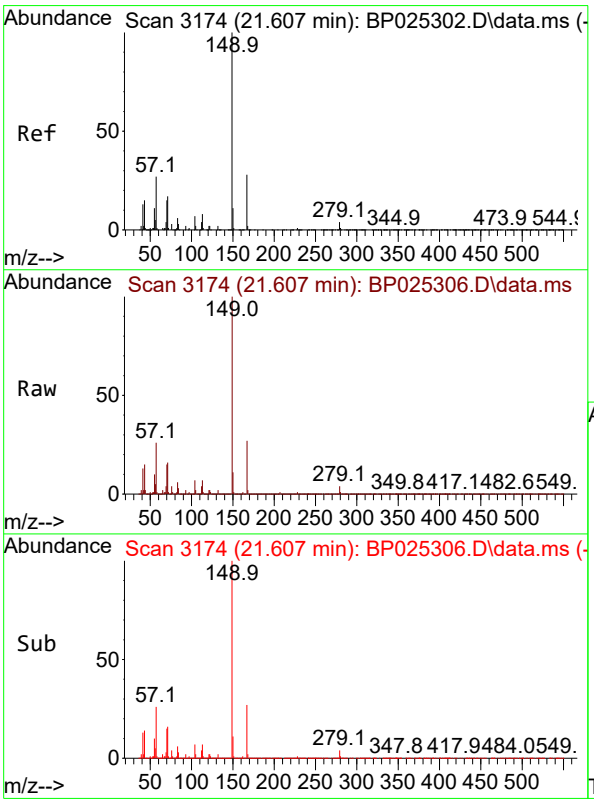
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

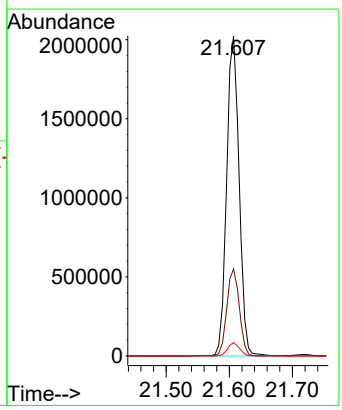
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

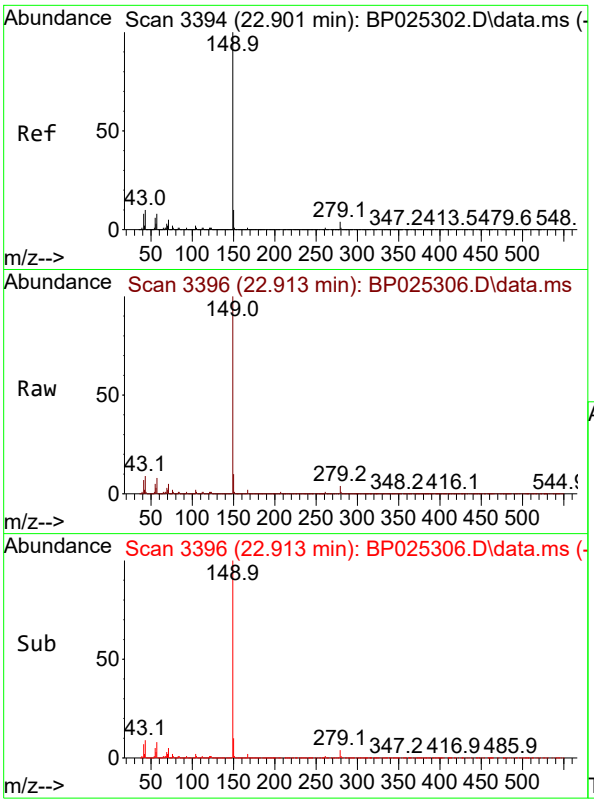


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.026 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2765334

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.2	3.4	5.2

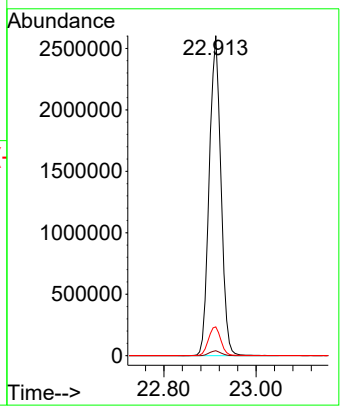




#85
Di-n-octyl phthalate
Concen: 40.723 ng
RT: 22.913 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 459446

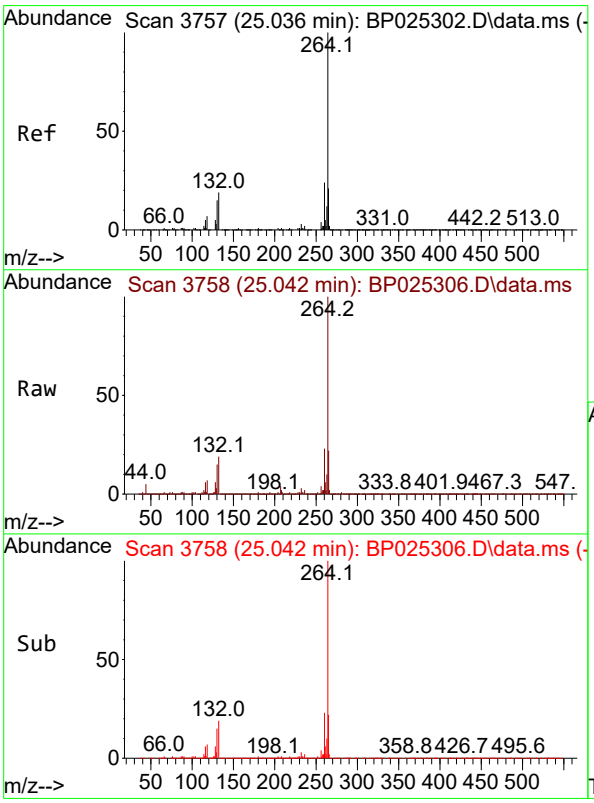
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.6	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

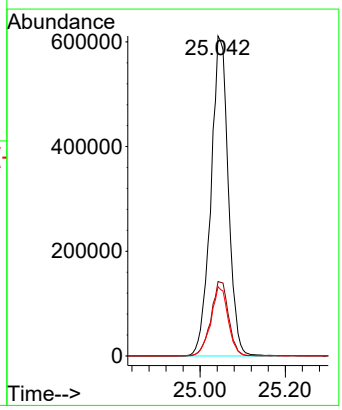
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

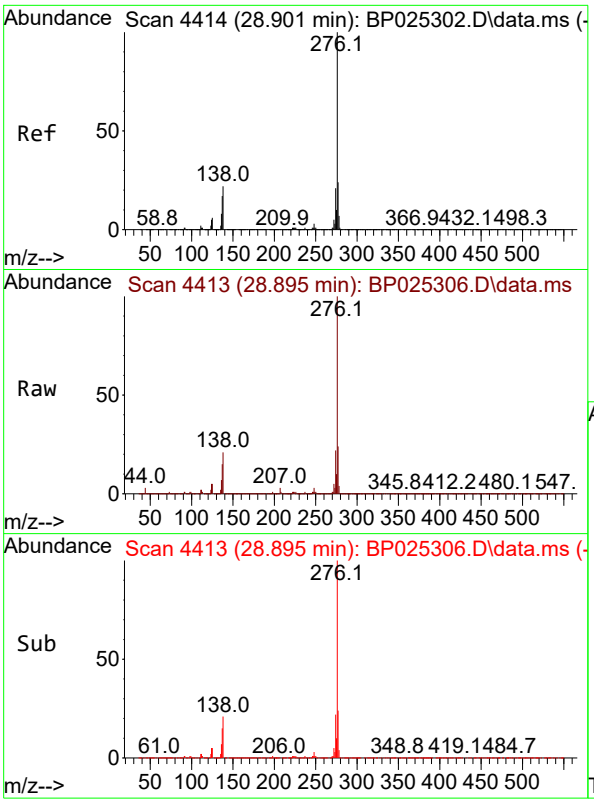


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:264 Resp: 1730065

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.6	17.1	25.7

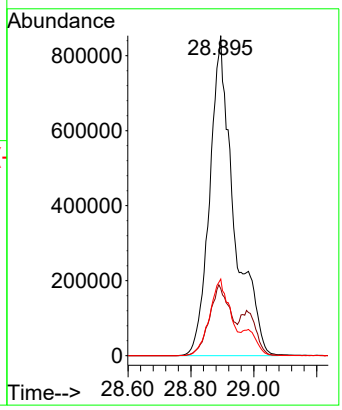




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.054 ng m
RT: 28.895 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:276 Resp: 459486

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.6	22.0
277	20.7	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
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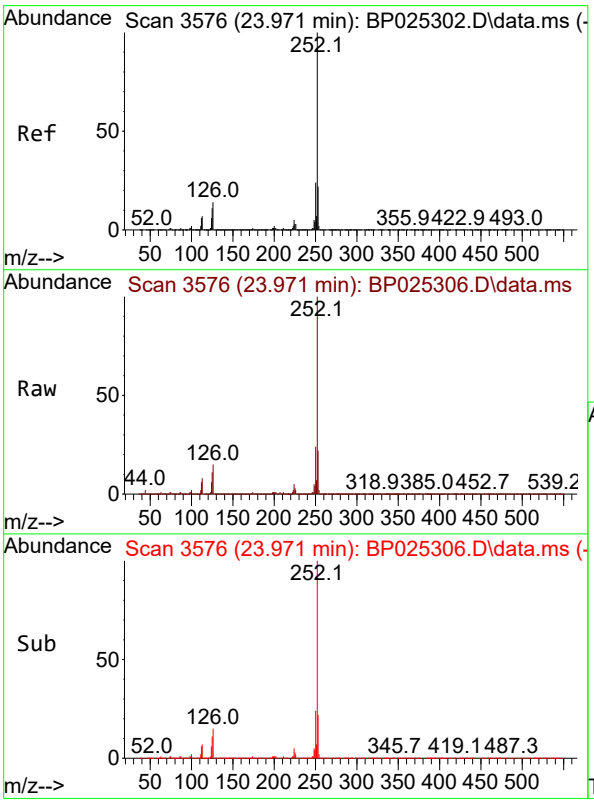
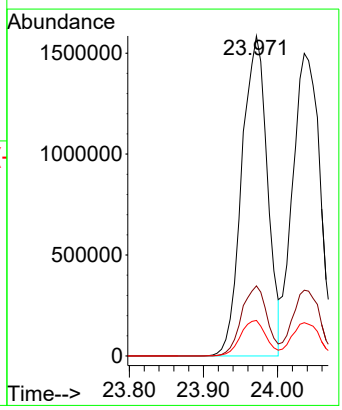
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

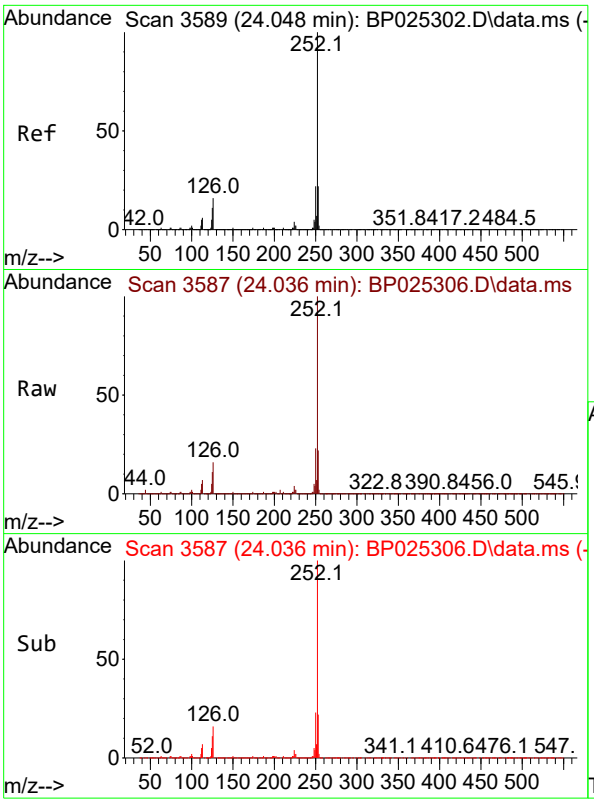


#88
Benzo(b)fluoranthene
Concen: 36.638 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3794446

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.1	8.5	12.7

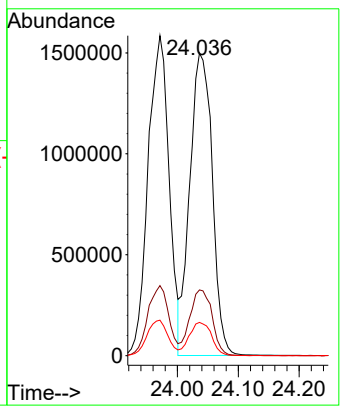




#89
Benzo(k)fluoranthene
Concen: 37.398 ng
RT: 24.036 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 383946

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
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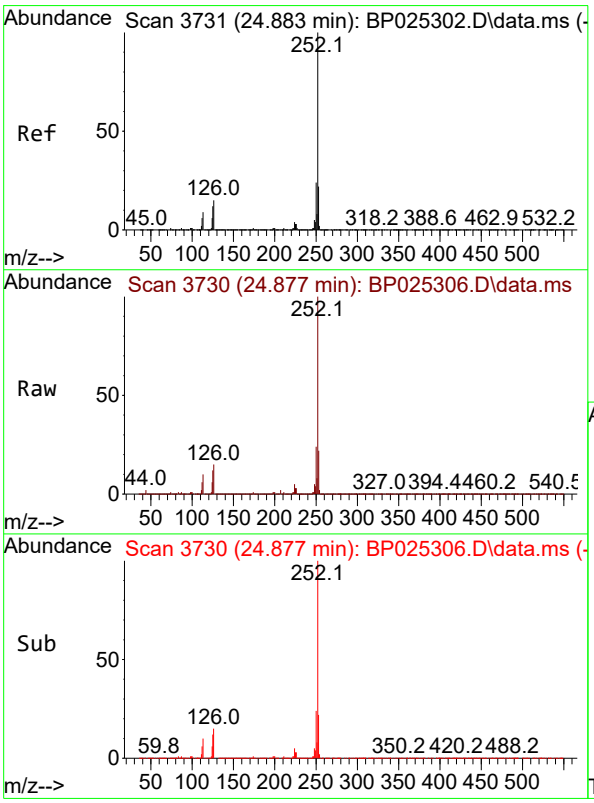
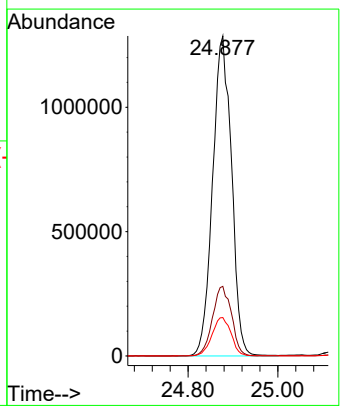
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

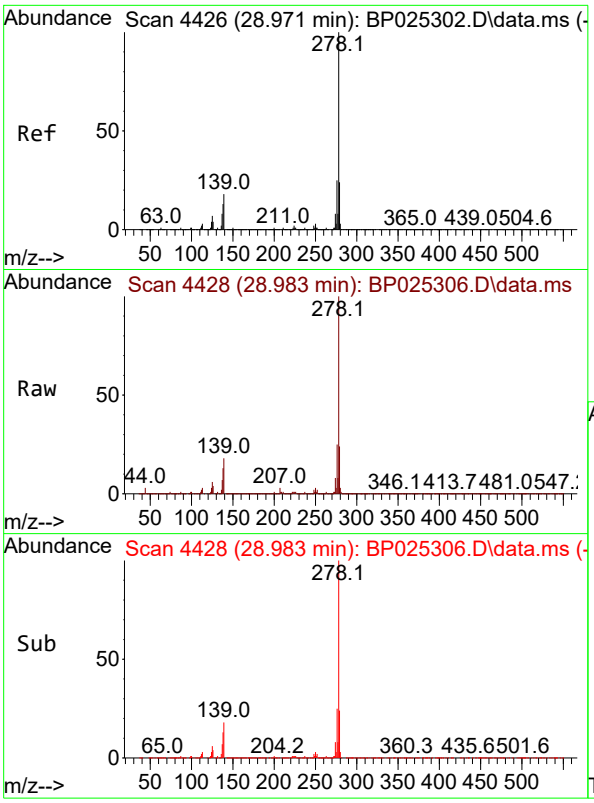


#90
Benzo(a)pyrene
Concen: 37.640 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3753992

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.0	9.4	14.0

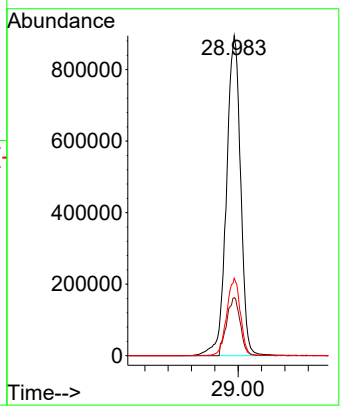




#91
Dibenzo(a,h)anthracene
Concen: 37.050 ng
RT: 28.983 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:278 Resp: 376270

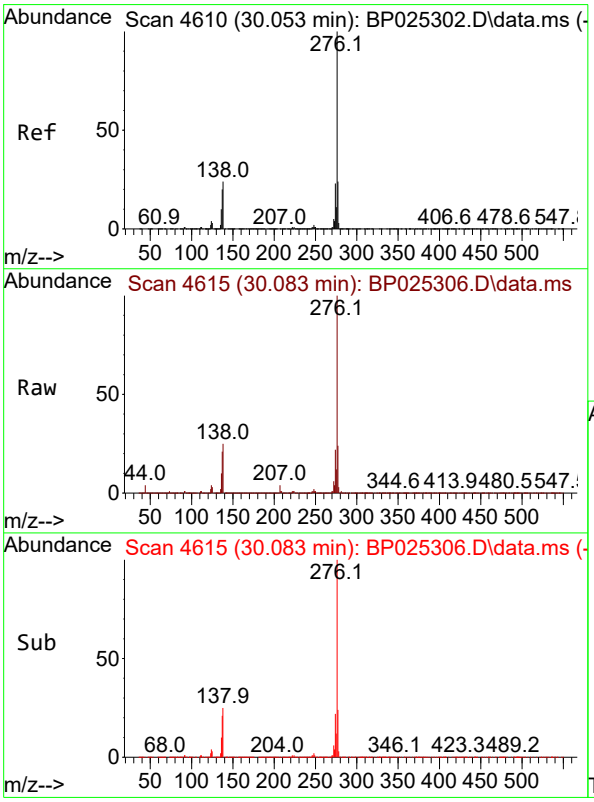
Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.6	22.0
279	24.2	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

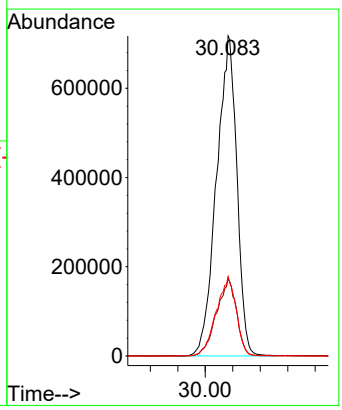
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 36.870 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:276 Resp: 3674873

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	24.8	19.1	28.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	136	0.00
2		1,4-Dioxane	0.491	0.402	18.1	114	0.00
3		Pyridine	1.363	1.225	10.1	125	0.00
4		n-Nitrosodimethylamine	0.633	0.573	9.5	128	0.00
5	S	2-Fluorophenol	1.244	1.072	13.8	119	0.00
6		Aniline	2.247	2.120	5.7	130	0.00
7	S	Phenol-d6	1.637	1.443	11.9	121	0.00
8		2-Chlorophenol	1.361	1.301	4.4	131	0.00
9		Benzaldehyde	1.162	0.984	15.3	96	0.00
10	C	Phenol	1.751	1.649	5.8	130	0.00
11		bis(2-Chloroethyl)ether	1.372	1.299	5.3	133	0.00
12		1,3-Dichlorobenzene	1.529	1.411	7.7	131	0.00
13	C	1,4-Dichlorobenzene	1.547	1.434	7.3	130	0.00
14		1,2-Dichlorobenzene	1.499	1.392	7.1	130	0.00
15		Benzyl Alcohol	1.269	1.212	4.5	133	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.994	8.0	129	0.00
17		2-Methylphenol	1.172	1.149	2.0	133	0.00
18		Hexachloroethane	0.553	0.522	5.6	132	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	1.050	2.3	133	0.00
20		3+4-Methylphenols	1.613	1.558	3.4	134	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00
22		Acetophenone	0.502	0.474	5.6	133	0.00
23	S	Nitrobenzene-d5	0.361	0.325	10.0	121	0.00
24		Nitrobenzene	0.342	0.335	2.0	135	0.00
25		Isophorone	0.719	0.696	3.2	136	0.00
26	C	2-Nitrophenol	0.126	0.145	-15.1	157#	0.00
27		2,4-Dimethylphenol	0.331	0.310	6.3	133	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.416	4.8	134	0.00
29	C	2,4-Dichlorophenol	0.290	0.289	0.3	135	0.00
30		1,2,4-Trichlorobenzene	0.320	0.301	5.9	134	0.00
31		Naphthalene	1.038	0.969	6.6	132	0.00
32		Benzoic acid	0.168	0.195	-16.1	160#	0.02
33		4-Chloroaniline	0.462	0.449	2.8	136	0.00
34	C	Hexachlorobutadiene	0.184	0.174	5.4	135	0.00
35		Caprolactam	0.113	0.110	2.7	133	0.00
36	C	4-Chloro-3-methylphenol	0.336	0.334	0.6	136	0.00
37		2-Methylnaphthalene	0.672	0.633	5.8	134	0.00
38		1-Methylnaphthalene	0.701	0.674	3.9	137	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	145	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.502	8.1	133	0.00
41	P	Hexachlorocyclopentadiene	0.337	0.332	1.5	145	0.00
42	S	2,4,6-Tribromophenol	0.200	0.193	3.5	131	0.00
43	C	2,4,6-Trichlorophenol	0.353	0.358	-1.4	141	0.00
44		2,4,5-Trichlorophenol	0.396	0.397	-0.3	139	0.00
45	S	2-Fluorobiphenyl	1.448	1.166	19.5	117	0.00
46		1,1'-Biphenyl	1.474	1.385	6.0	139	0.00
47		2-Chloronaphthalene	1.124	1.040	7.5	136	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	0.288	0.317	-10.1	149	-0.01
49		Acenaphthylene	1.876	1.768	5.8	137	-0.01
50		Dimethylphthalate	1.458	1.377	5.6	139	0.00
51		2,6-Dinitrotoluene	0.269	0.289	-7.4	146	0.00
52	C	Acenaphthene	1.144	1.084	5.2	141	0.00
53		3-Nitroaniline	0.315	0.338	-7.3	147	0.00
54	P	2,4-Dinitrophenol	0.105	0.120	-14.3	183#	0.00
55		Dibenzofuran	1.710	1.597	6.6	138	-0.01
56	P	4-Nitrophenol	0.278	0.286	-2.9	146	0.00
57		2,4-Dinitrotoluene	0.359	0.404	-12.5	150#	-0.01
58		Fluorene	1.343	1.228	8.6	135	-0.01
59		2,3,4,6-Tetrachlorophenol	0.331	0.335	-1.2	141	-0.01
60		Diethylphthalate	1.470	1.401	4.7	141	0.00
61		4-Chlorophenyl-phenylether	0.637	0.583	8.5	134	0.00
62		4-Nitroaniline	0.312	0.325	-4.2	139	0.00
63		Azobenzene	1.366	1.293	5.3	139	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	146	-0.01
65		4,6-Dinitro-2-methylphenol	0.080	0.091	-13.7	178#	-0.01
66	c	n-Nitrosodiphenylamine	0.609	0.570	6.4	138	0.00
67		4-Bromophenyl-phenylether	0.201	0.191	5.0	140	0.00
68		Hexachlorobenzene	0.226	0.211	6.6	141	0.00
69		Atrazine	0.214	0.206	3.7	142	0.00
70	C	Pentachlorophenol	0.144	0.146	-1.4	149	-0.01
71		Phenanthrene	1.095	1.002	8.5	137	0.00
72		Anthracene	1.105	1.051	4.9	140	0.00
73		Carbazole	1.060	0.978	7.7	136	0.00
74		Di-n-butylphthalate	1.283	1.271	0.9	144	0.00
75	C	Fluoranthene	1.268	1.170	7.7	137	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	142	0.00
77		Benzidine	0.724	0.761	-5.1	112	0.00
78		Pyrene	1.330	1.231	7.4	136	0.00
79	S	Terphenyl-d14	1.059	0.839	20.8	114	0.00
80		Butylbenzylphthalate	0.539	0.567	-5.2	143	0.00
81		Benzo(a)anthracene	1.329	1.222	8.1	134	0.00
82		3,3'-Dichlorobenzidine	0.469	0.457	2.6	138	0.01
83		Chrysene	1.233	1.131	8.3	132	0.02
84		Bis(2-ethylhexyl)phthalate	0.861	0.883	-2.6	141	0.00
85	c	Di-n-octyl phthalate	1.442	1.468	-1.8	139	0.01
86	I	Perylene-d12	1.000	1.000	0.0	137	0.00
87		Indeno(1,2,3-cd)pyrene	1.434	1.328	7.4	126	0.00
88		Benzo(b)fluoranthene	1.197	1.097	8.4	127	0.00
89		Benzo(k)fluoranthene	1.187	1.110	6.5	130	-0.01
90	C	Benzo(a)pyrene	1.153	1.085	5.9	129	0.00
91		Dibenzo(a,h)anthracene	1.174	1.087	7.4	126	0.01
92		Benzo(g,h,i)perylene	1.152	1.062	7.8	126	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	136	0.00
2		1,4-Dioxane	40.000	32.761	18.1	114	0.00
3		Pyridine	40.000	35.938	10.2	125	0.00
4		n-Nitrosodimethylamine	40.000	36.198	9.5	128	0.00
5	S	2-Fluorophenol	80.000	68.960	13.8	119	0.00
6		Aniline	40.000	37.746	5.6	130	0.00
7	S	Phenol-d6	80.000	70.557	11.8	121	0.00
8		2-Chlorophenol	40.000	38.218	4.5	131	0.00
9		Benzaldehyde	40.000	33.857	15.4	96	0.00
10	C	Phenol	40.000	37.664	5.8	130	0.00
11		bis(2-Chloroethyl)ether	40.000	37.860	5.4	133	0.00
12		1,3-Dichlorobenzene	40.000	36.894	7.8	131	0.00
13	C	1,4-Dichlorobenzene	40.000	37.069	7.3	130	0.00
14		1,2-Dichlorobenzene	40.000	37.139	7.2	130	0.00
15		Benzyl Alcohol	40.000	38.230	4.4	133	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.800	8.0	129	0.00
17		2-Methylphenol	40.000	39.242	1.9	133	0.00
18		Hexachloroethane	40.000	37.712	5.7	132	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.071	2.3	133	0.00
20		3+4-Methylphenols	40.000	38.632	3.4	134	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	139	0.00
22		Acetophenone	40.000	37.755	5.6	133	0.00
23	S	Nitrobenzene-d5	80.000	71.916	10.1	121	0.00
24		Nitrobenzene	40.000	39.201	2.0	135	0.00
25		Isophorone	40.000	38.747	3.1	136	0.00
26	C	2-Nitrophenol	40.000	39.528	1.2	157	0.00
27		2,4-Dimethylphenol	40.000	37.381	6.5	133	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.088	4.8	134	0.00
29	C	2,4-Dichlorophenol	40.000	39.853	0.4	135	0.00
30		1,2,4-Trichlorobenzene	40.000	37.651	5.9	134	0.00
31		Naphthalene	40.000	37.348	6.6	132	0.00
32		Benzoic acid	40.000	43.119	-7.8	160	0.02
33		4-Chloroaniline	40.000	38.908	2.7	136	0.00
34	C	Hexachlorobutadiene	40.000	37.983	5.0	135	0.00
35		Caprolactam	40.000	39.093	2.3	133	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.847	0.4	136	0.00
37		2-Methylnaphthalene	40.000	37.660	5.9	134	0.00
38		1-Methylnaphthalene	40.000	38.438	3.9	137	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	145	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.772	8.1	133	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.389	1.5	145	0.00
42	S	2,4,6-Tribromophenol	80.000	77.267	3.4	131	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.551	-1.4	141	0.00
44		2,4,5-Trichlorophenol	40.000	40.117	-0.3	139	0.00
45	S	2-Fluorobiphenyl	80.000	64.394	19.5	117	0.00
46		1,1'-Biphenyl	40.000	37.601	6.0	139	0.00
47		2-Chloronaphthalene	40.000	36.992	7.5	136	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	39.111	2.2	149	-0.01
49		Acenaphthylene	40.000	37.711	5.7	137	-0.01
50		Dimethylphthalate	40.000	37.765	5.6	139	0.00
51		2,6-Dinitrotoluene	40.000	42.979	-7.4	146	0.00
52	C	Acenaphthene	40.000	37.908	5.2	141	0.00
53		3-Nitroaniline	40.000	42.925	-7.3	147	0.00
54	P	2,4-Dinitrophenol	40.000	44.579	-11.4	183	0.00
55		Dibenzofuran	40.000	37.357	6.6	138	-0.01
56	P	4-Nitrophenol	40.000	41.198	-3.0	146	0.00
57		2,4-Dinitrotoluene	40.000	39.363	1.6	150	-0.01
58		Fluorene	40.000	36.584	8.5	135	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	40.516	-1.3	141	-0.01
60		Diethylphthalate	40.000	38.127	4.7	141	0.00
61		4-Chlorophenyl-phenylether	40.000	36.635	8.4	134	0.00
62		4-Nitroaniline	40.000	41.652	-4.1	139	0.00
63		Azobenzene	40.000	37.866	5.3	139	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	146	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	43.059	-7.6	178	-0.01
66	c	n-Nitrosodiphenylamine	40.000	37.466	6.3	138	0.00
67		4-Bromophenyl-phenylether	40.000	37.882	5.3	140	0.00
68		Hexachlorobenzene	40.000	37.437	6.4	141	0.00
69		Atrazine	40.000	38.434	3.9	142	0.00
70	C	Pentachlorophenol	40.000	40.655	-1.6	149	-0.01
71		Phenanthrene	40.000	36.596	8.5	137	0.00
72		Anthracene	40.000	38.053	4.9	140	0.00
73		Carbazole	40.000	36.915	7.7	136	0.00
74		Di-n-butylphthalate	40.000	39.636	0.9	144	0.00
75	C	Fluoranthene	40.000	36.904	7.7	137	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	142	0.00
77		Benzidine	40.000	42.024	-5.1	112	0.00
78		Pyrene	40.000	37.027	7.4	136	0.00
79	S	Terphenyl-d14	80.000	63.367	20.8	114	0.00
80		Butylbenzylphthalate	40.000	42.064	-5.2	143	0.00
81		Benzo(a)anthracene	40.000	36.791	8.0	134	0.00
82		3,3'-Dichlorobenzidine	40.000	38.998	2.5	138	0.01
83		Chrysene	40.000	36.707	8.2	132	0.02
84		Bis(2-ethylhexyl)phthalate	40.000	41.026	-2.6	141	0.00
85	c	Di-n-octyl phthalate	40.000	40.723	-1.8	139	0.01
86	I	Perylene-d12	20.000	20.000	0.0	137	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.054	7.4	126	0.00
88		Benzo(b)fluoranthene	40.000	36.638	8.4	127	0.00
89		Benzo(k)fluoranthene	40.000	37.398	6.5	130	-0.01
90	C	Benzo(a)pyrene	40.000	37.640	5.9	129	0.00
91		Dibenzo(a,h)anthracene	40.000	37.050	7.4	126	0.01
92		Benzo(g,h,i)perylene	40.000	36.870	7.8	126	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG No.: Q2791

Instrument ID: BNA_P Calibration Date/Time: 08/11/2025 11:08

Lab File ID: BP025343.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.363	1.312		-3.7	
2-Fluorophenol	1.244	1.237		-0.6	
Phenol-d6	1.637	1.492		-8.9	
1,4-Dichlorobenzene	1.547	1.539		-0.5	20.0
2-Methylphenol	1.172	1.079		-7.9	
3+4-Methylphenols	1.613	1.459		-9.5	
Nitrobenzene-d5	0.361	0.389		7.8	
Hexachloroethane	0.553	0.561		1.4	
Nitrobenzene	0.342	0.347		1.5	
2,4,6-Trichlorophenol	0.353	0.386		9.3	20.0
2-Fluorobiphenyl	1.448	1.480		2.2	
2,4,5-Trichlorophenol	0.396	0.427		7.8	
2,4-Dinitrotoluene	0.359	0.432		20.3	
2,4,6-Tribromophenol	0.200	0.238		19.0	
Hexachlorobenzene	0.226	0.239		5.8	
Pentachlorophenol	0.144	0.160		11.1	20.0
Terphenyl-d14	1.059	1.092		3.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.796	152	216631	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	873095	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	558968	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1086110	20.000	ng		0.00
76) Chrysene-d12	21.654	240	1099613	20.000	ng		0.00
86) Perylene-d12	25.042	264	1235980	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	1071798	79.575	ng		0.00
7) Phenol-d6	6.966	99	1292618	72.921	ng		0.00
23) Nitrobenzene-d5	8.937	82	1358340	86.192	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	533118	95.603	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	3309943	81.789	ng		0.00
79) Terphenyl-d14	19.948	244	4803441	82.508	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	217058	40.837	ng		95
3) Pyridine	3.725	79	568431	38.493	ng		95
4) n-Nitrosodimethylamine	3.631	42	235666	34.374	ng		91
6) Aniline	7.125	93	893510	36.719	ng		98
8) 2-Chlorophenol	7.366	128	580077	39.345	ng		98
9) Benzaldehyde	6.943	77	535344	42.522	ng		98
10) Phenol	6.990	94	681278	35.920	ng		98
11) bis(2-Chloroethyl)ether	7.225	93	551666	37.122	ng		96
12) 1,3-Dichlorobenzene	7.690	146	660931	39.897	ng		99
13) 1,4-Dichlorobenzene	7.831	146	666930	39.793	ng		99
14) 1,2-Dichlorobenzene	8.149	146	642581	39.578	ng		98
15) Benzyl Alcohol	8.025	79	484911	35.291	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.319	45	772801	32.919	ng		97
17) 2-Methylphenol	8.225	107	467274	36.820	ng		100
18) Hexachloroethane	8.872	117	243173	40.571	ng		96
19) n-Nitroso-di-n-propyla...	8.596	70	421313	36.175	ng		94
20) 3+4-Methylphenols	8.549	107	632190	36.176	ng		97
22) Acetophenone	8.608	105	859001	39.192	ng	#	96
24) Nitrobenzene	8.978	77	606716	40.670	ng		96
25) Isophorone	9.502	82	1203566	38.366	ng		99
26) 2-Nitrophenol	9.684	139	302389	46.643	ng		97
27) 2,4-Dimethylphenol	9.743	122	545557	37.721	ng		97
28) bis(2-Chloroethoxy)met...	9.978	93	737818	38.663	ng		99
29) 2,4-Dichlorophenol	10.213	162	521687	41.201	ng		98
30) 1,2,4-Trichlorobenzene	10.431	180	580371	41.546	ng		100
31) Naphthalene	10.619	128	1811027	39.957	ng		100
32) Benzoic acid	9.855	122	375993	46.273	ng		96
33) 4-Chloroaniline	10.713	127	776588	38.525	ng		99
34) Hexachlorobutadiene	10.913	225	343790	42.873	ng		98
35) Caprolactam	11.484	113	191704	39.027	ng		91
36) 4-Chloro-3-methylphenol	11.837	107	579237	39.535	ng		99
37) 2-Methylnaphthalene	12.225	142	1169979	39.881	ng		98
38) 1-Methylnaphthalene	12.443	142	1237086	40.414	ng		100
40) 1,2,4,5-Tetrachloroben...	12.596	216	642752	42.118	ng		99
41) Hexachlorocyclopentadiene	12.584	237	426707	45.304	ng		97
43) 2,4,6-Trichlorophenol	12.837	196	431164	43.736	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	476982	43.131	ng		99
46) 1,1'-Biphenyl	13.243	154	1654987	40.176	ng		99
47) 2-Chloronaphthalene	13.284	162	1284009	40.857	ng		98
48) 2-Nitroaniline	13.472	65	367171	40.385	ng		92
49) Acenaphthylene	14.131	152	2099523	40.051	ng		100
50) Dimethylphthalate	13.866	163	1614991	39.633	ng		100
51) 2,6-Dinitrotoluene	13.984	165	343079	45.646	ng		88
52) Acenaphthene	14.478	154	1320053	41.283	ng		100
53) 3-Nitroaniline	14.307	138	403138	45.838	ng		95
54) 2,4-Dinitrophenol	14.513	184	163906	50.859	ng	#	52
55) Dibenzofuran	14.819	168	1947016	40.746	ng		99
56) 4-Nitrophenol	14.619	139	308271	39.715	ng		93
57) 2,4-Dinitrotoluene	14.778	165	483211	41.915	ng		96
58) Fluorene	15.484	166	1532588	40.836	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.054	232	415315	44.958	ng		97
60) Diethylphthalate	15.254	149	1660802	40.427	ng		99
61) 4-Chlorophenyl-phenyle...	15.484	204	733524	41.227	ng		97
62) 4-Nitroaniline	15.490	138	400872	46.001	ng		92
63) Azobenzene	15.784	77	1467744	38.459	ng		97
65) 4,6-Dinitro-2-methylph...	15.548	198	252665	51.208	ng		98
66) n-Nitrosodiphenylamine	15.695	169	1375450	41.592	ng		100
67) 4-Bromophenyl-phenylether	16.395	248	461487	42.229	ng		98
68) Hexachlorobenzene	16.513	284	519543	42.370	ng		94
69) Atrazine	16.672	200	489042	42.051	ng		99
70) Pentachlorophenol	16.860	266	348264	44.579	ng		99
71) Phenanthrene	17.266	178	2432843	40.897	ng		99
72) Anthracene	17.354	178	2482165	41.382	ng		100
73) Carbazole	17.631	167	2344408	40.718	ng		100
74) Di-n-butylphthalate	18.248	149	2910329	41.782	ng		99
75) Fluoranthene	19.342	202	2776749	40.322	ng		99
77) Benzidine	19.536	184	1761683	44.264	ng		99
78) Pyrene	19.713	202	2917301	39.896	ng		100
80) Butylbenzylphthalate	20.672	149	1381650	46.590	ng		99
81) Benzo(a)anthracene	21.630	228	2922687	39.997	ng		100
82) 3,3'-Dichlorobenzidine	21.560	252	1089544	42.261	ng		99
83) Chrysene	21.707	228	2774830	40.942	ng		99
84) Bis(2-ethylhexyl)phtha...	21.595	149	2100204	44.352	ng		100
85) Di-n-octyl phthalate	22.901	149	3620050	45.673	ng		97
87) Indeno(1,2,3-cd)pyrene	28.889	276	3670614m	41.434	ng		
88) Benzo(b)fluoranthene	23.989	252	2967263	40.105	ng		99
89) Benzo(k)fluoranthene	24.054	252	2981203	40.646	ng		99
90) Benzo(a)pyrene	24.889	252	2924780	41.049	ng		99
91) Dibenzo(a,h)anthracene	28.971	278	3026310	41.711	ng		99
92) Benzo(g,h,i)perylene	30.083	276	2966546	41.661	ng		99

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

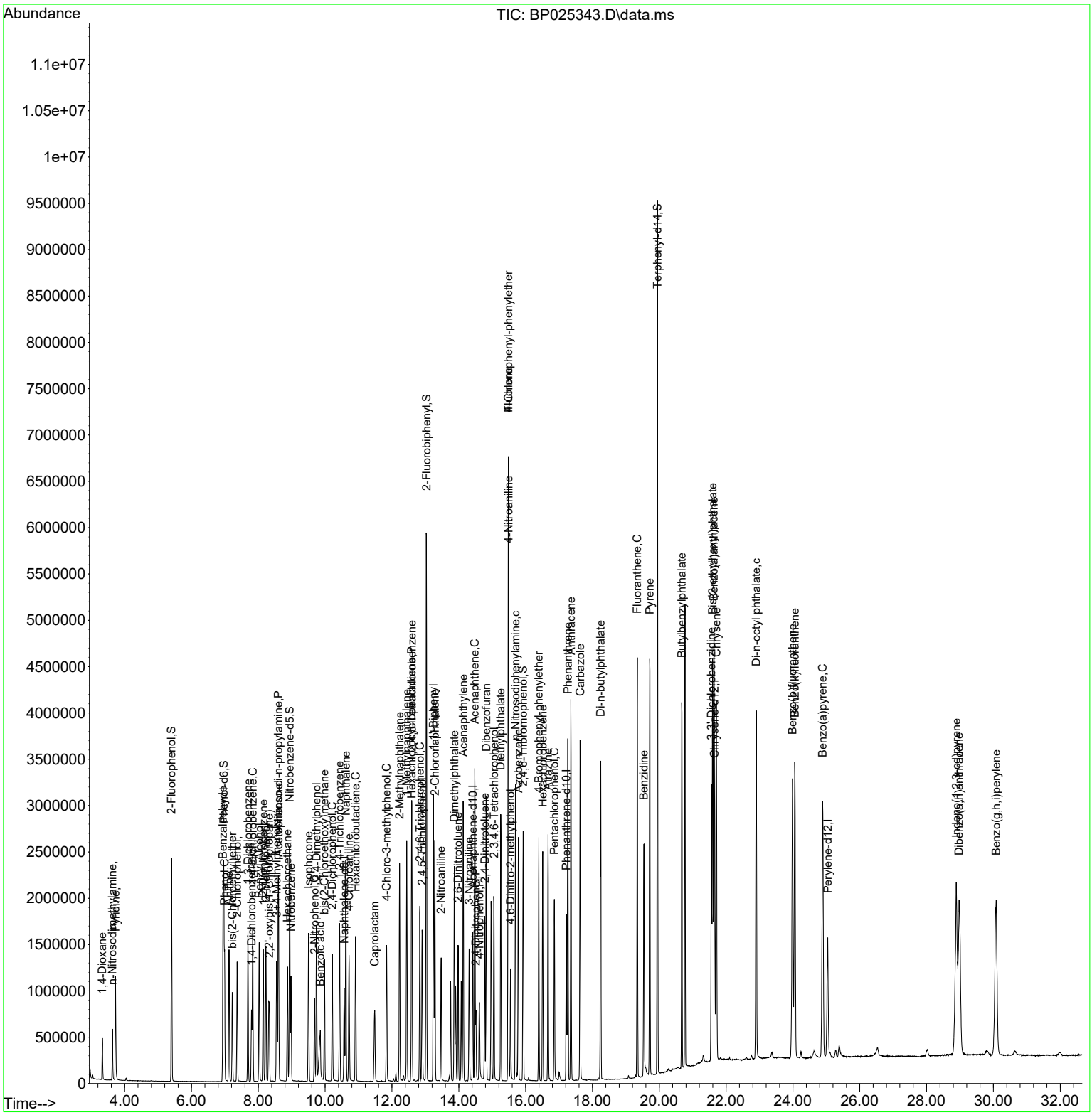
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

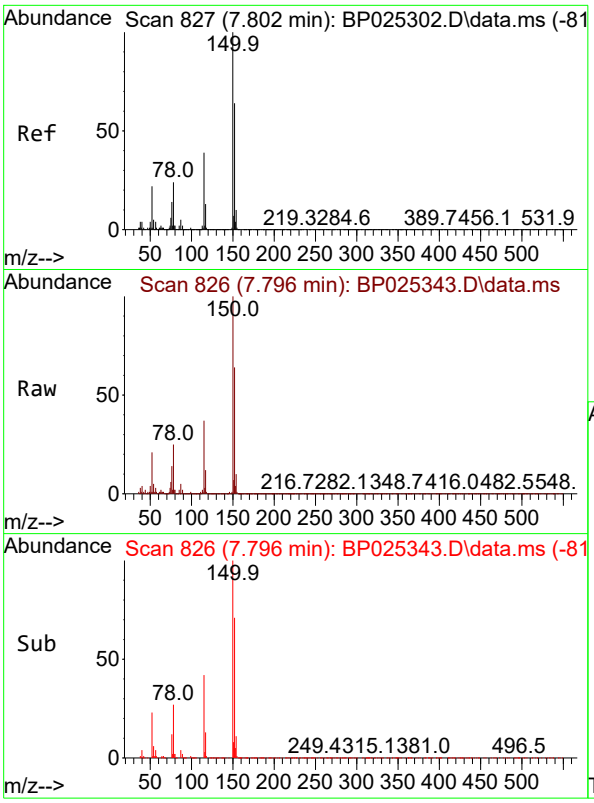
Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

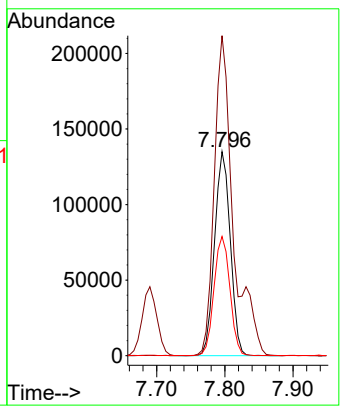




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:152 Resp: 21663

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.1	187.7
115	58.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
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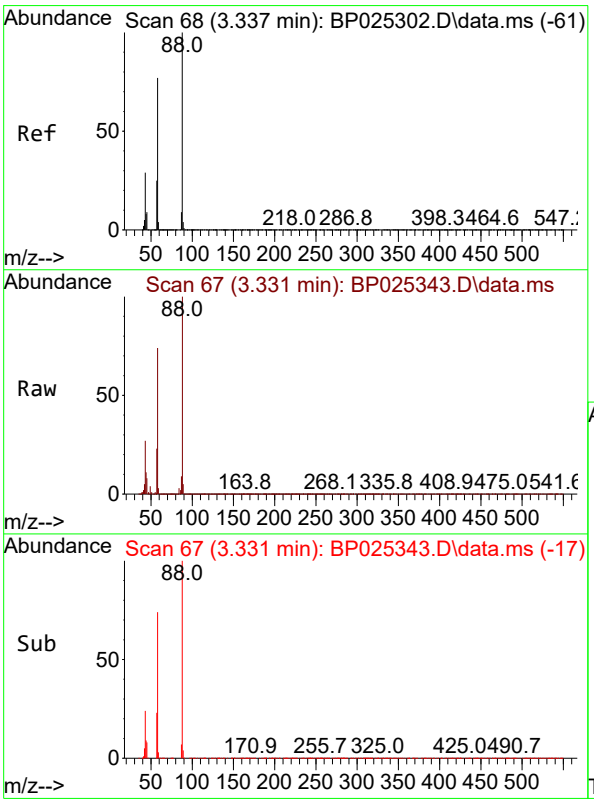
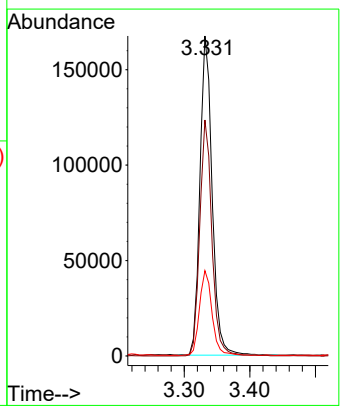
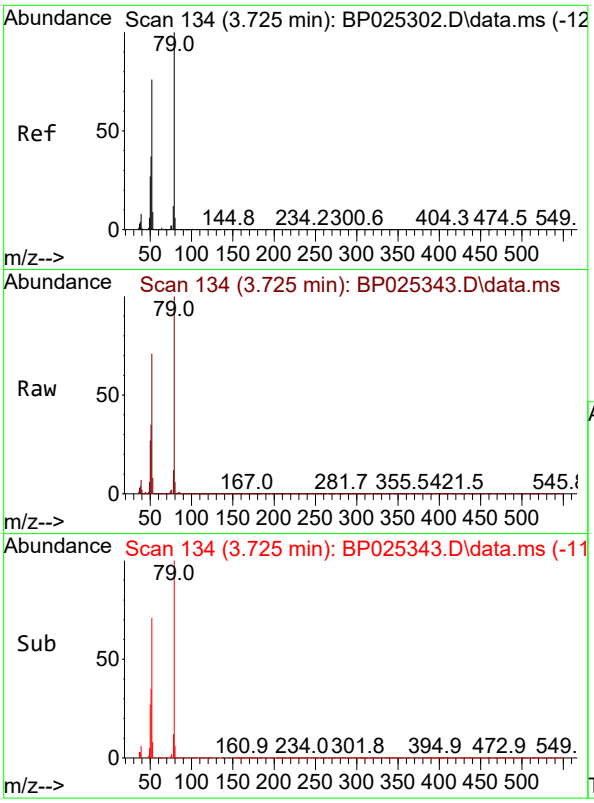


#2
1,4-Dioxane
Concen: 40.837 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 88 Resp: 217058

Ion	Ratio	Lower	Upper
88	100		
58	73.7	61.9	92.9
43	27.2	24.2	36.2

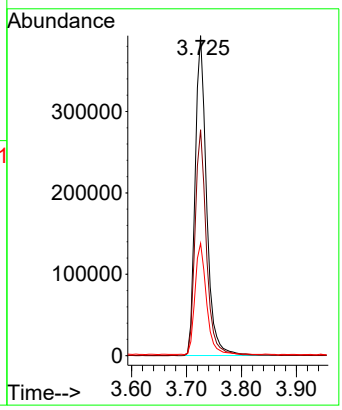




#3
Pyridine
Concen: 38.493 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 79 Resp: 56843

Ion	Ratio	Lower	Upper
79	100		
52	70.6	60.5	90.7
51	35.1	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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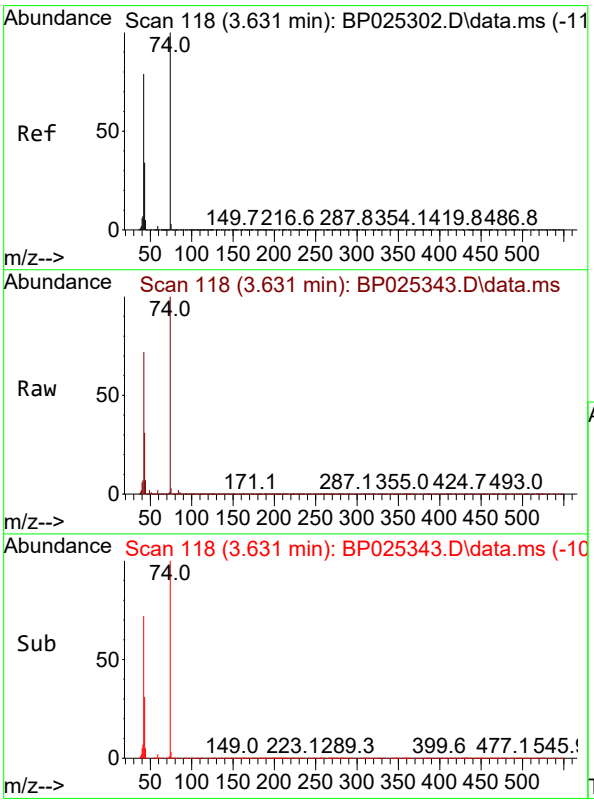
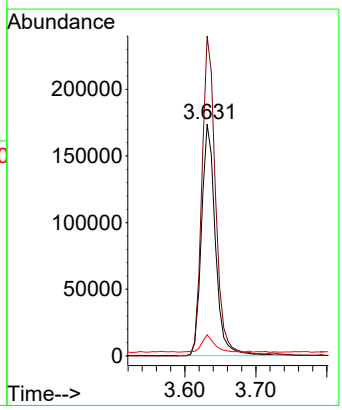
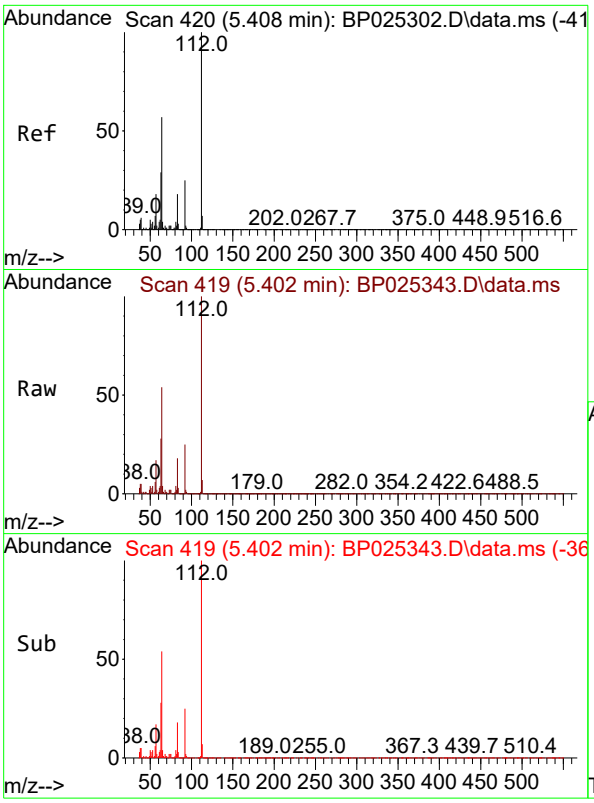


#4
n-Nitrosodimethylamine
Concen: 34.374 ng
RT: 3.631 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 42 Resp: 235666

Ion	Ratio	Lower	Upper
42	100		
74	138.0	101.4	152.2
44	9.1	7.6	11.4





#5
2-Fluorophenol
Concen: 79.575 ng
RT: 5.402 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:112 Resp: 107179

Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.3	67.9
63	28.0	23.0	34.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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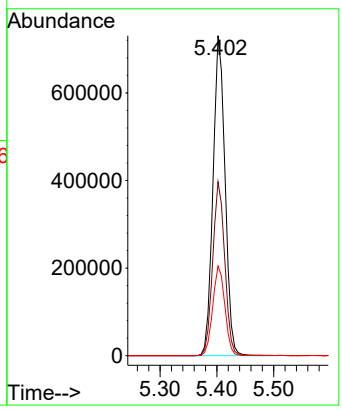
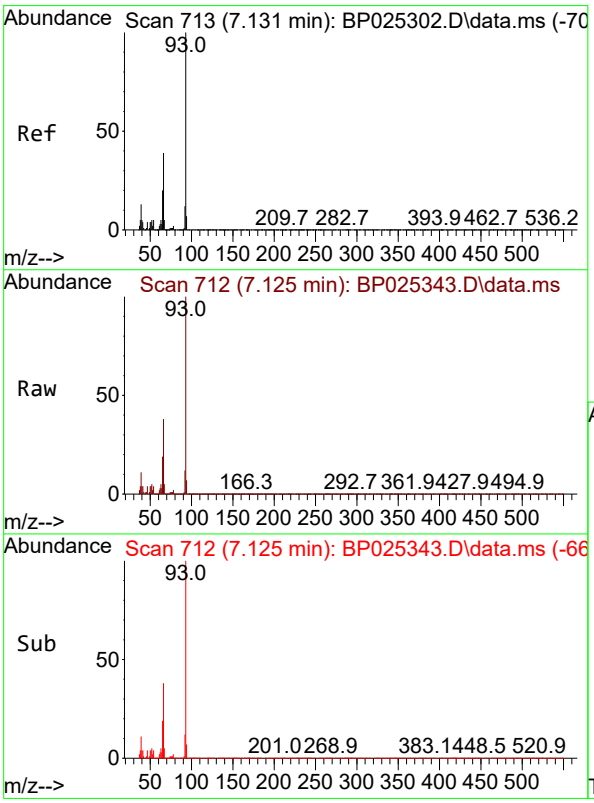
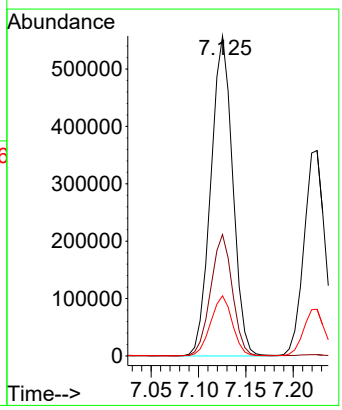


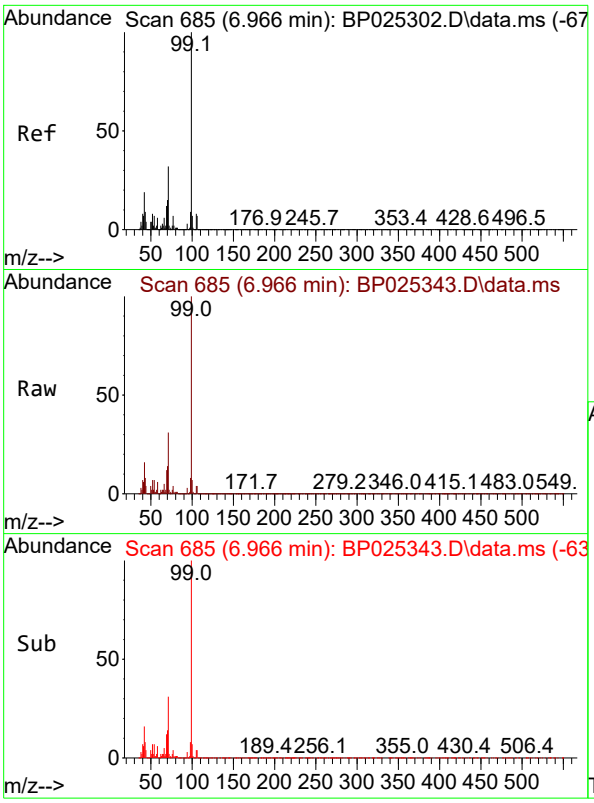


#6
Aniline
Concen: 36.719 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 93 Resp: 893510

Ion	Ratio	Lower	Upper
93	100		
66	37.9	31.1	46.7
65	18.8	15.8	23.8

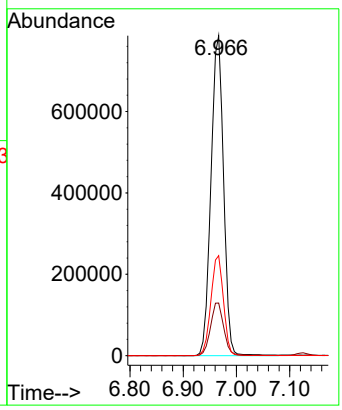




#7
Phenol-d6
Concen: 72.921 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 99 Resp: 129261

Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	31.3	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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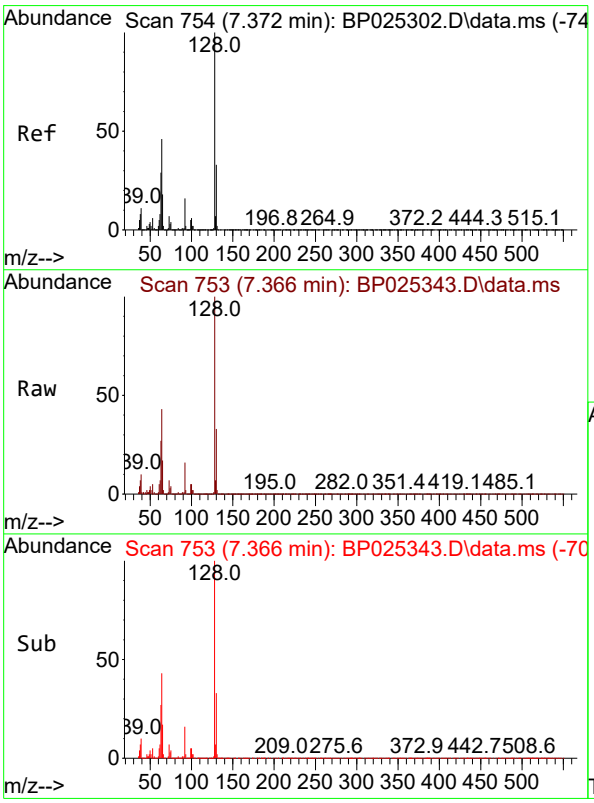
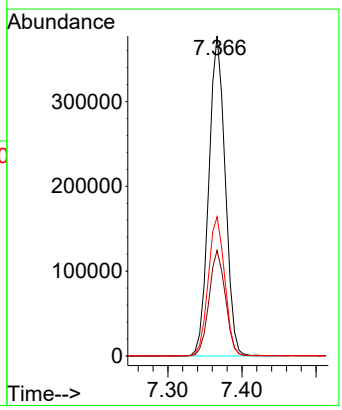
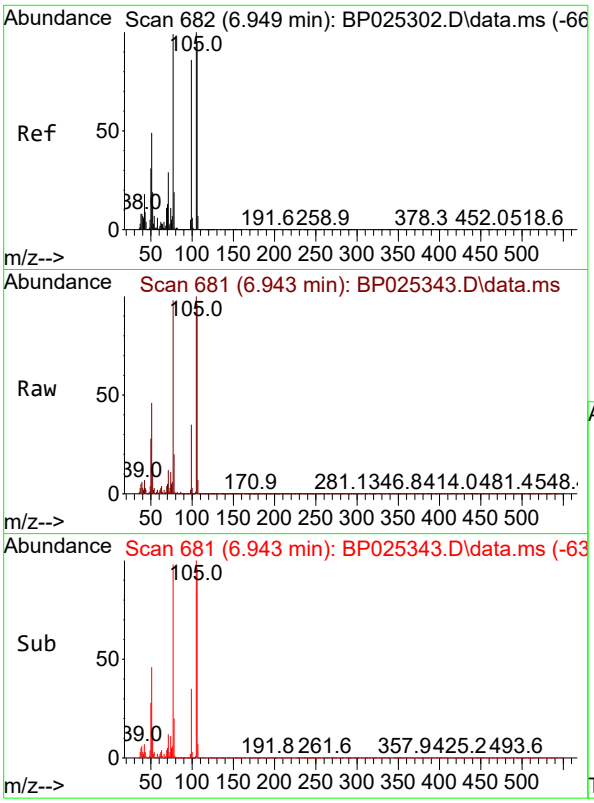


#8
2-Chlorophenol
Concen: 39.345 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:128 Resp: 580077

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	43.5	26.1	66.1

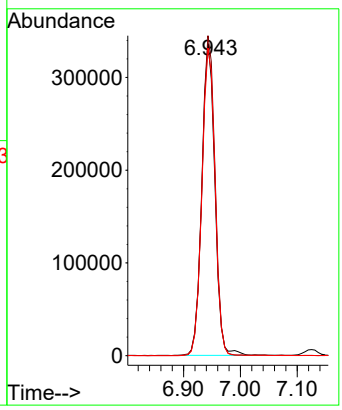




#9
Benzaldehyde
Concen: 42.522 ng
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 77 Resp: 53534

Ion	Ratio	Lower	Upper
77	100		
105	102.4	81.4	121.4
106	98.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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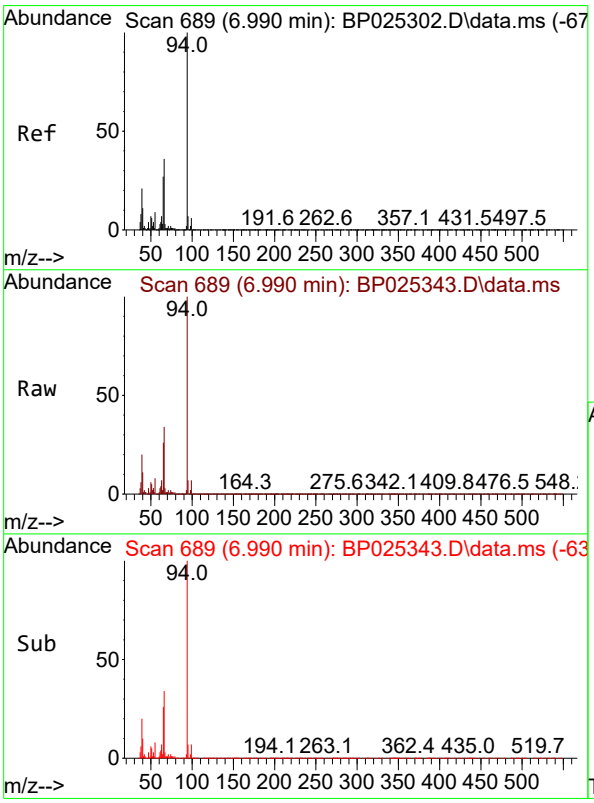
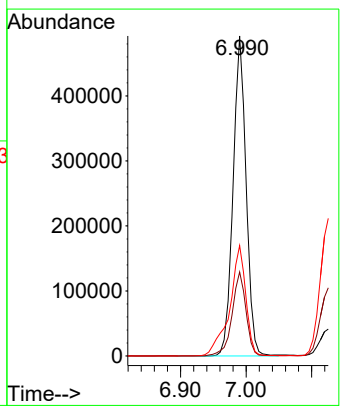
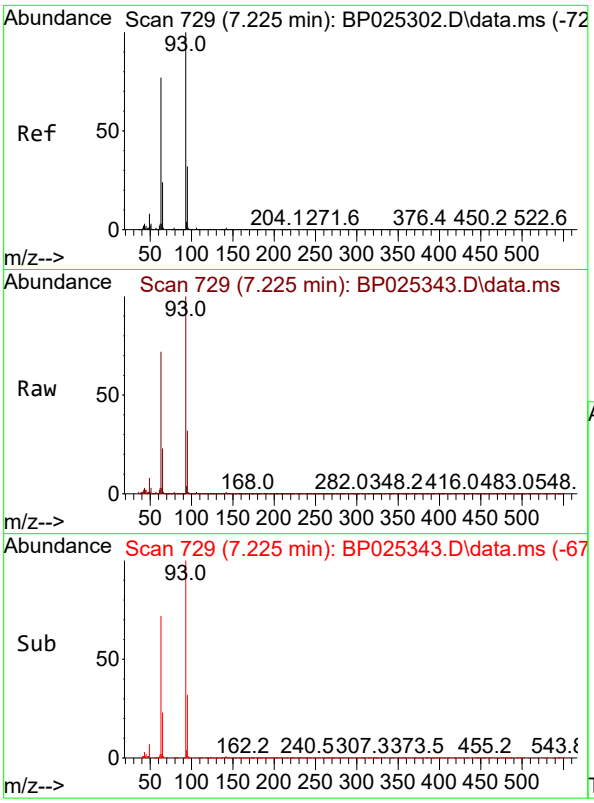


#10
Phenol
Concen: 35.920 ng
RT: 6.990 min Scan# 689
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 94 Resp: 681278

Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.3	47.3
66	34.5	15.7	55.7

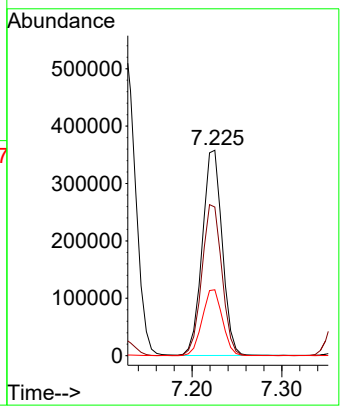




#11
bis(2-Chloroethyl)ether
Concen: 37.122 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 93 Resp: 55166

Ion	Ratio	Lower	Upper
93	100		
63	72.4	57.0	97.0
95	32.1	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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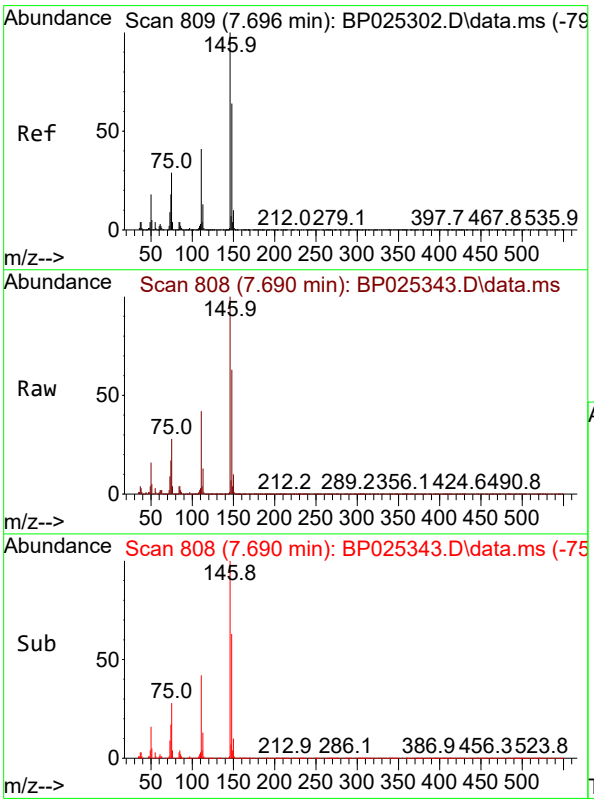
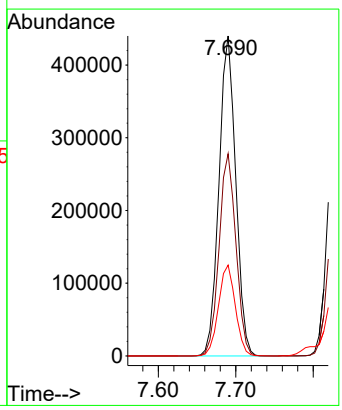
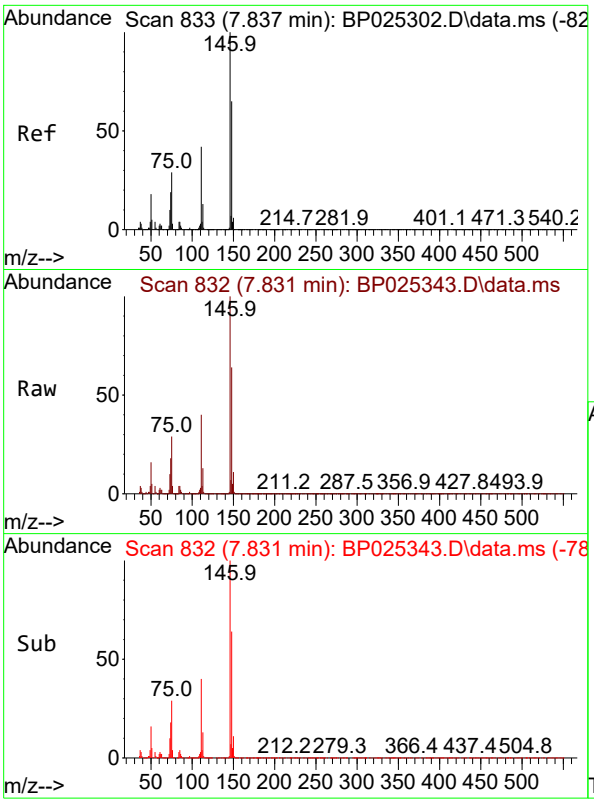


#12
1,3-Dichlorobenzene
Concen: 39.897 ng
RT: 7.690 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:146 Resp: 660931

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
75	28.4	23.2	34.8

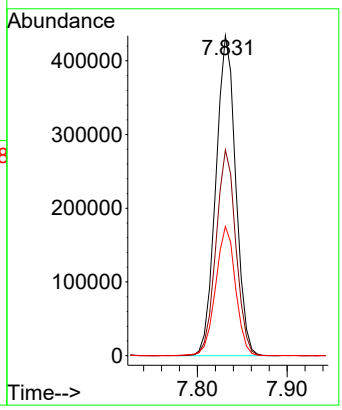




#13
1,4-Dichlorobenzene
Concen: 39.793 ng
RT: 7.831 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:146 Resp: 66693

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.0	78.0
111	40.4	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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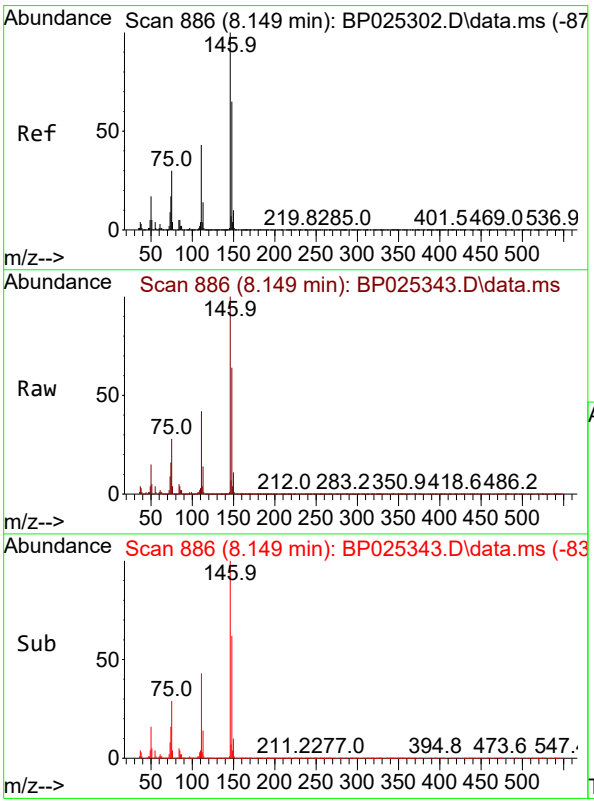
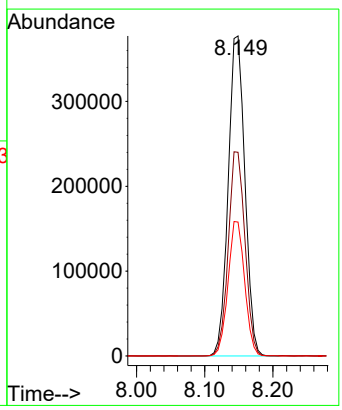
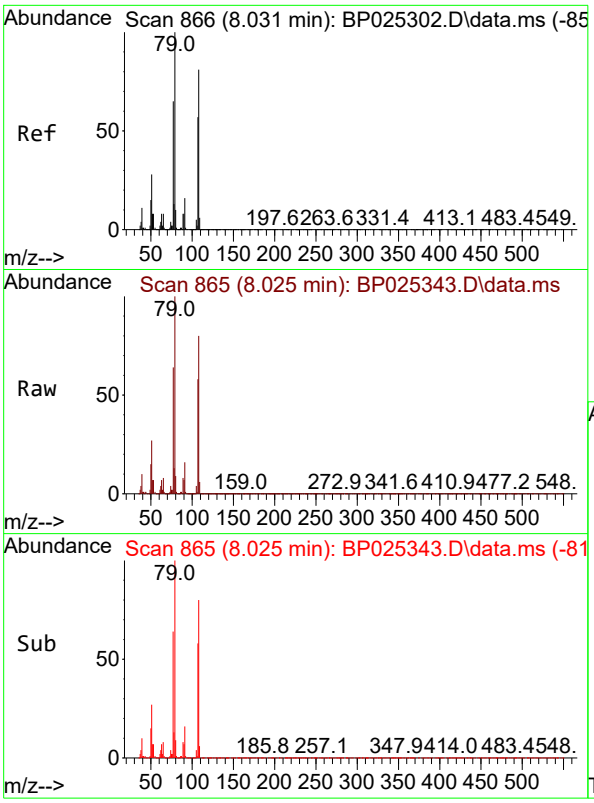


#14
1,2-Dichlorobenzene
Concen: 39.578 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:146 Resp: 642581

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
111	41.9	34.4	51.6

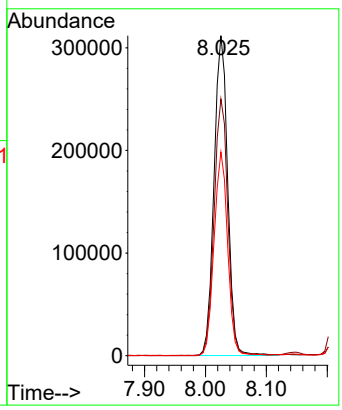




#15
Benzyl Alcohol
Concen: 35.291 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 79 Resp: 48491

Ion	Ratio	Lower	Upper
79	100		
108	80.3	64.5	96.7
77	63.7	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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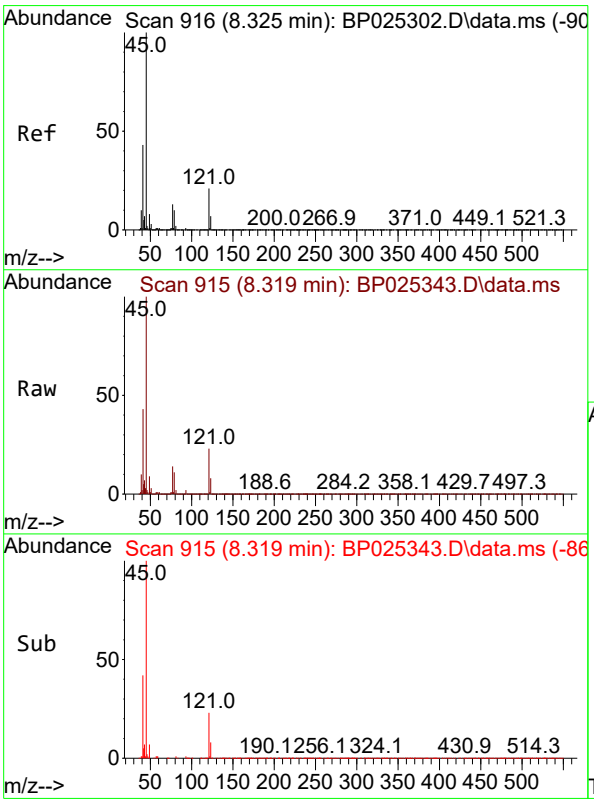
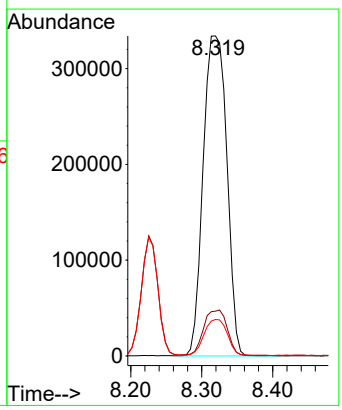
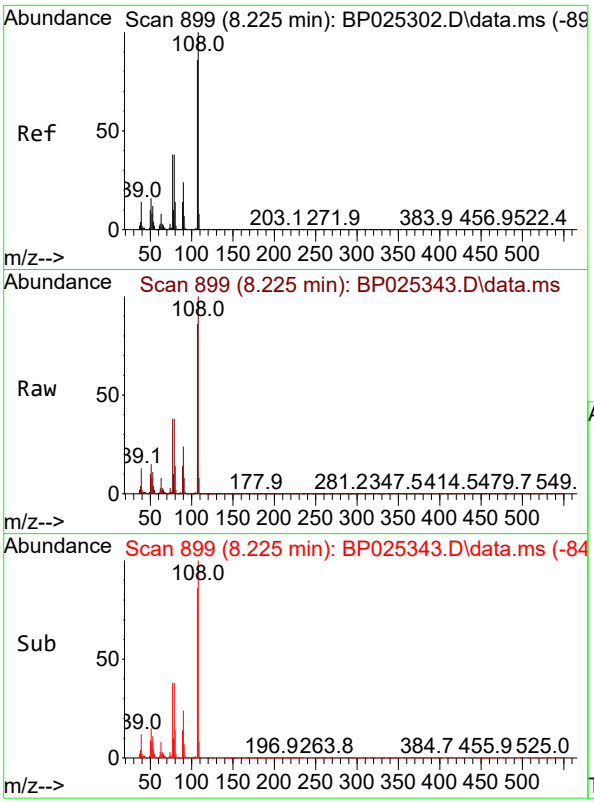


#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.919 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 45 Resp: 772801

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	33.0
79	11.4	0.0	29.8

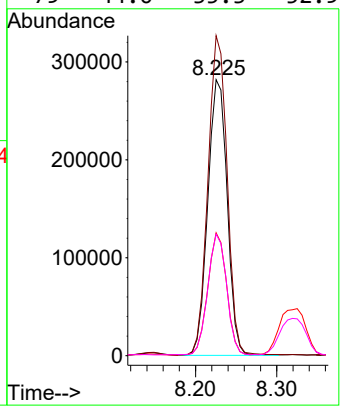




#17
2-Methylphenol
Concen: 36.820 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:107 Resp: 46727

Ion	Ratio	Lower	Upper
107	100		
108	115.9	92.6	139.0
77	44.5	35.4	53.2
79	44.0	35.3	52.9



Instrument :
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ClientSampleId :
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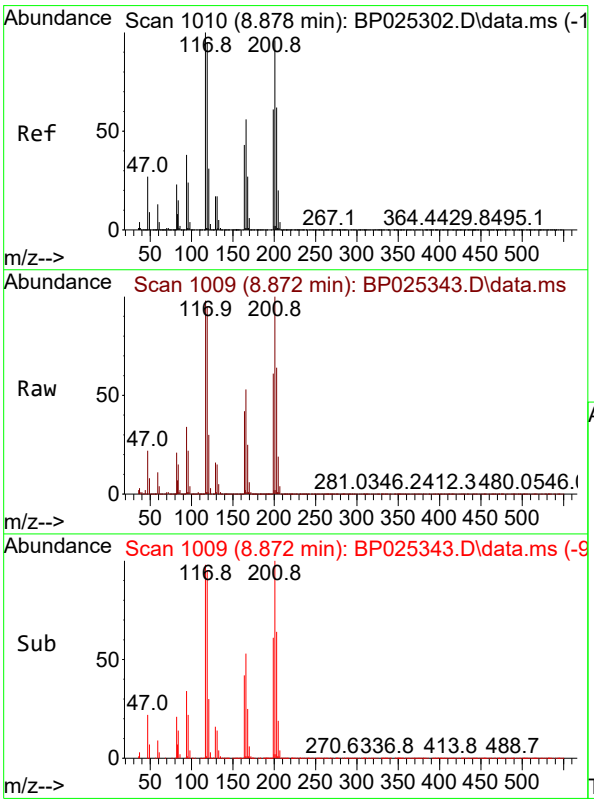
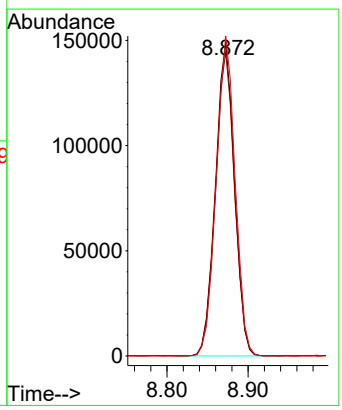
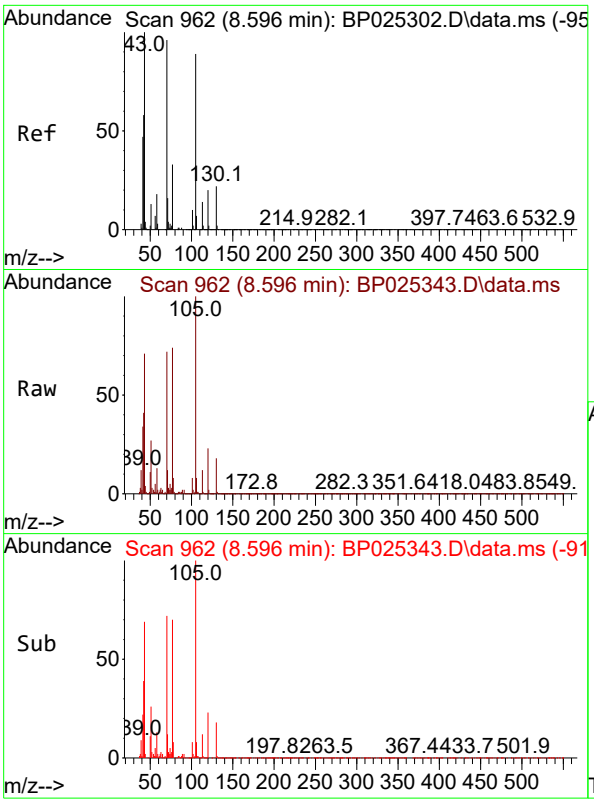


#18
Hexachloroethane
Concen: 40.571 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:117 Resp: 243173

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.8	113.8
201	102.1	76.6	114.8

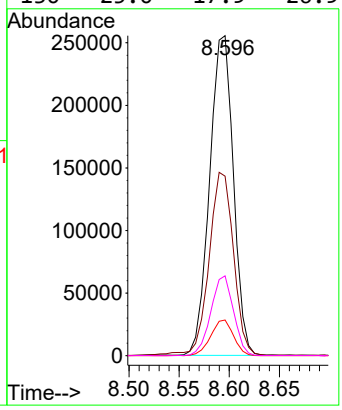




#19
n-Nitroso-di-n-propylamine
Concen: 36.175 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 70 Resp: 42131

Ion	Ratio	Lower	Upper
70	100		
42	56.1	49.4	74.0
101	11.2	7.9	11.9
130	25.0	17.9	26.9



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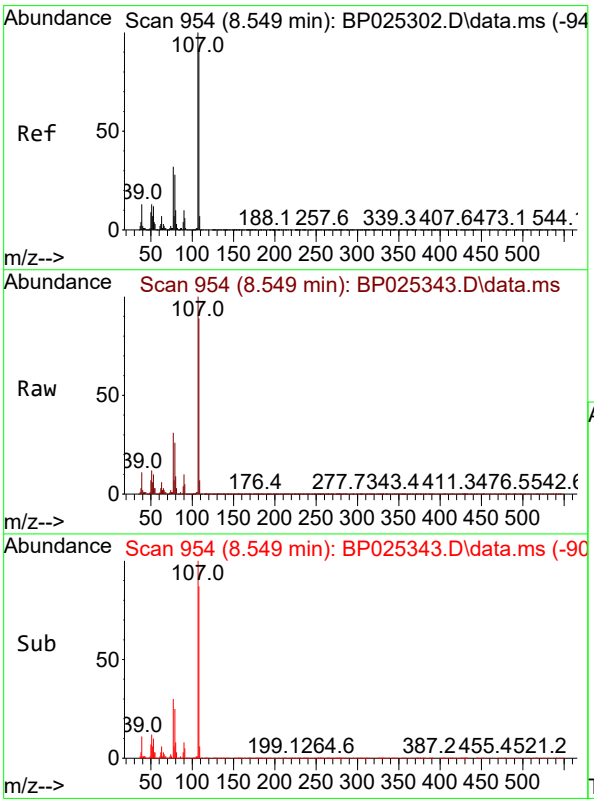
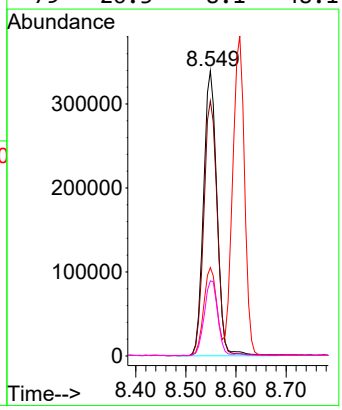
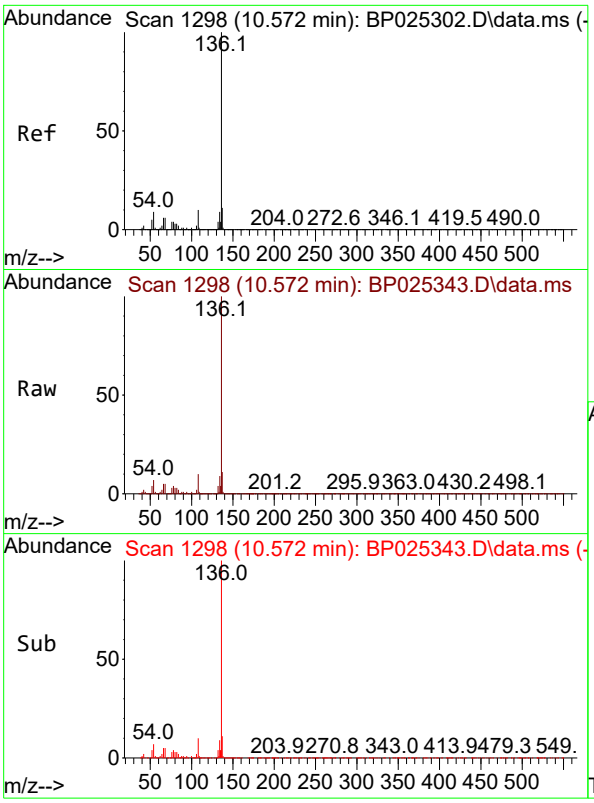


#20
3+4-Methylphenols
Concen: 36.176 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:107 Resp: 632190

Ion	Ratio	Lower	Upper
107	100		
108	89.5	71.9	111.9
77	31.0	12.0	52.0
79	26.3	8.1	48.1

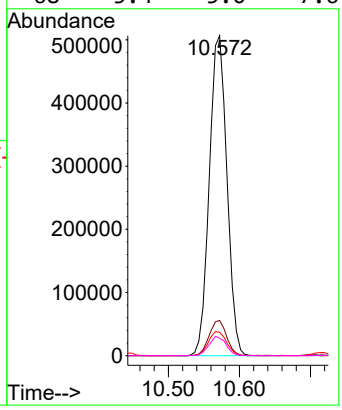




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:136 Resp: 87309

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	7.0	10.6
68	5.4	5.0	7.6



Instrument :
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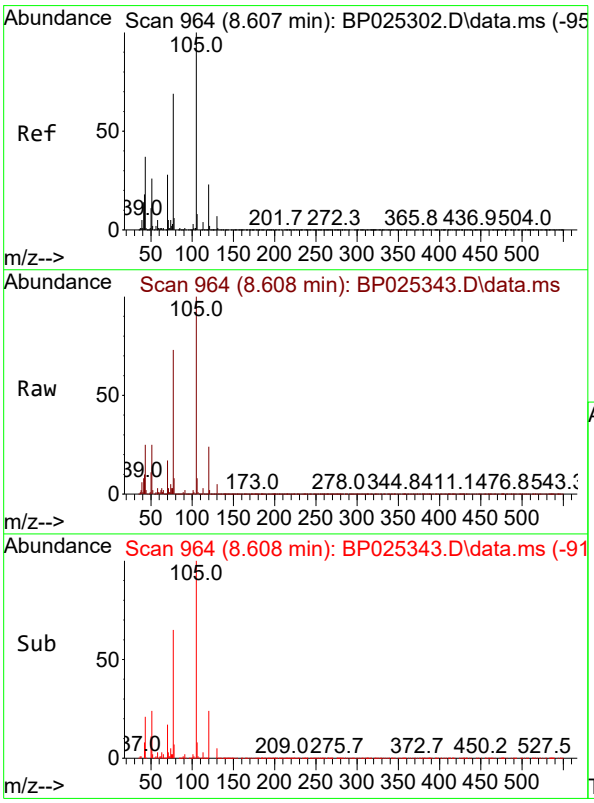
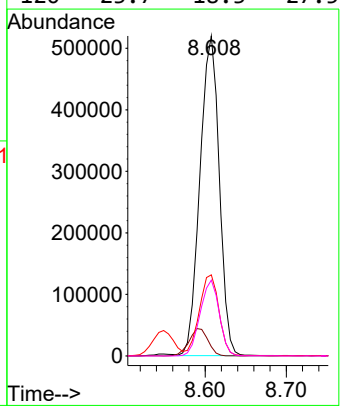
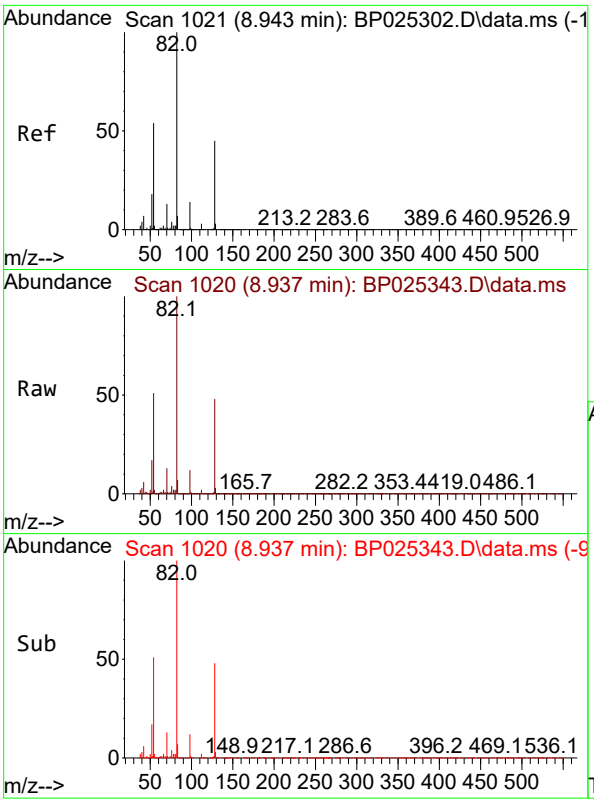


#22
Acetophenone
Concen: 39.192 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:105 Resp: 859001

Ion	Ratio	Lower	Upper
105	100		
71	2.9	4.1	6.1#
51	25.4	22.7	34.1
120	23.7	18.3	27.5

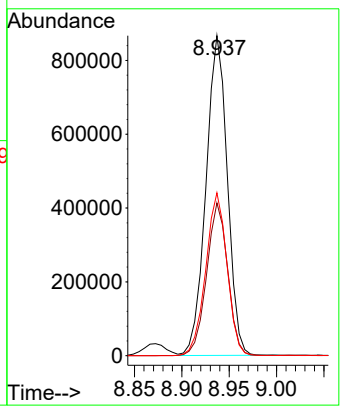




#23
Nitrobenzene-d5
Concen: 86.192 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 82 Resp: 135834

Ion	Ratio	Lower	Upper
82	100		
128	47.7	35.4	53.2
54	50.9	42.9	64.3



Instrument :
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ClientSampleId :
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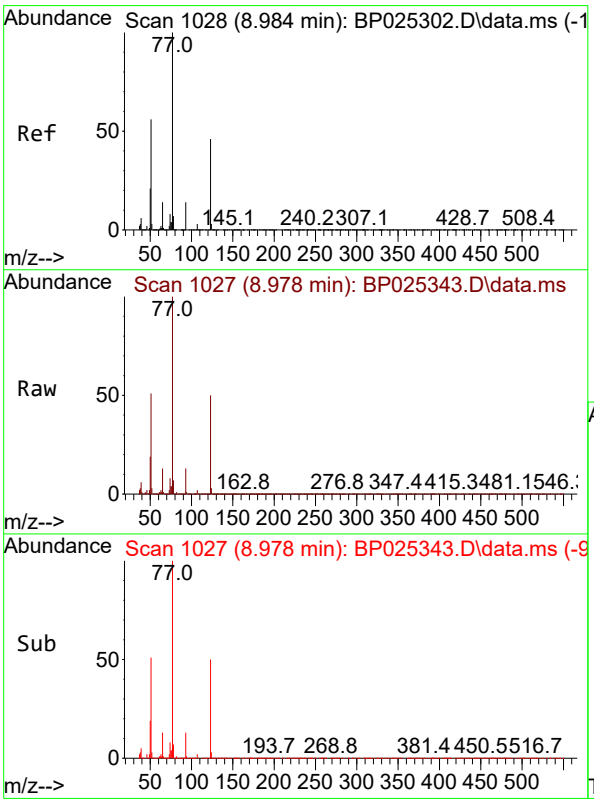
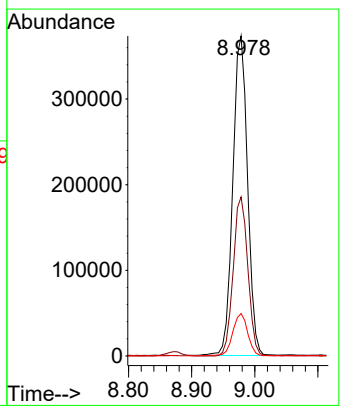
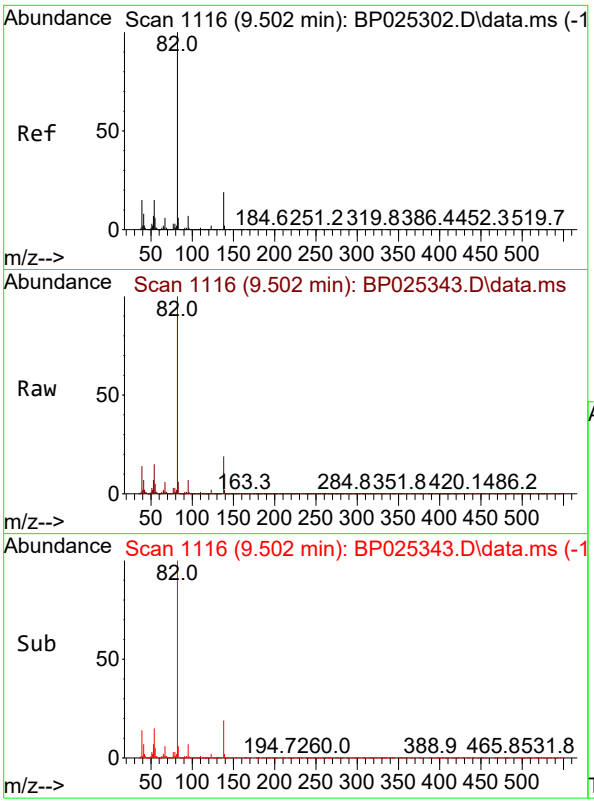


#24
Nitrobenzene
Concen: 40.670 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 77 Resp: 606716

Ion	Ratio	Lower	Upper
77	100		
123	49.7	37.4	56.2
65	13.3	11.1	16.7

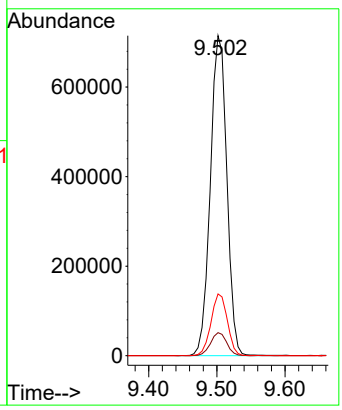




#25
Isophorone
Concen: 38.366 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 82 Resp: 120356

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	19.3	15.0	22.6



Instrument :
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ClientSampleId :
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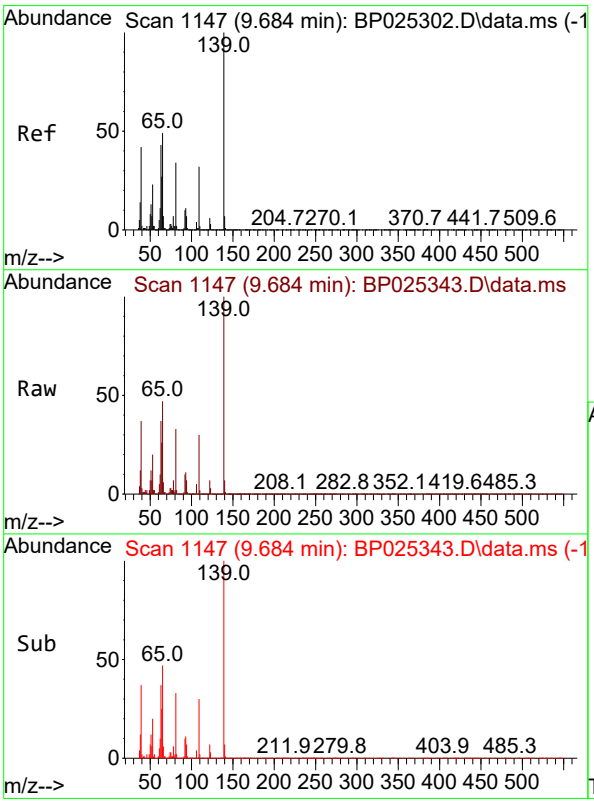
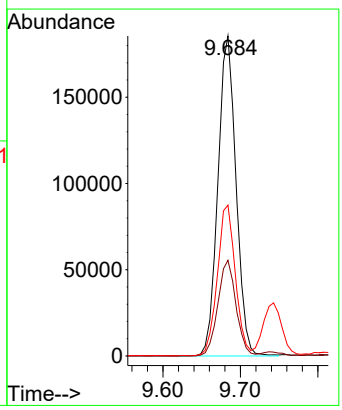
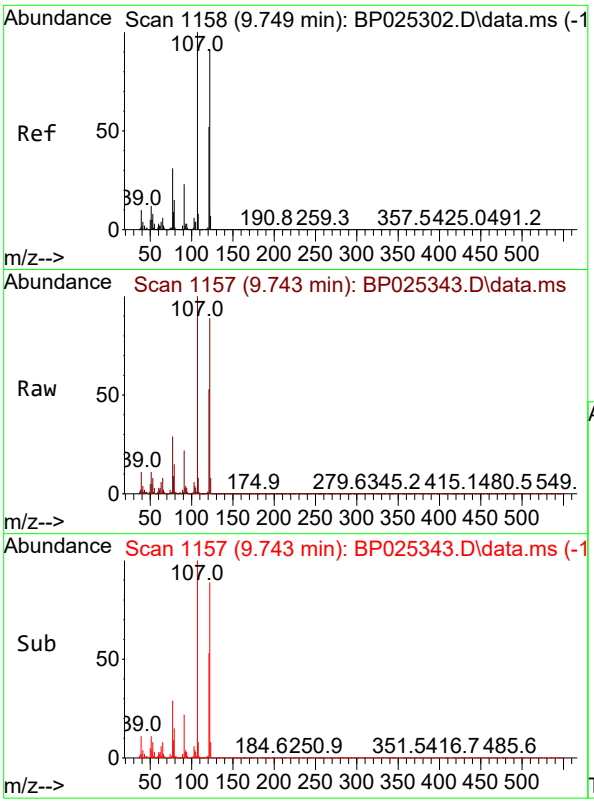


#26
2-Nitrophenol
Concen: 46.643 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:139 Resp: 302389

Ion	Ratio	Lower	Upper
139	100		
109	29.9	25.2	37.8
65	47.1	39.6	59.4





#27
2,4-Dimethylphenol
Concen: 37.721 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:122 Resp: 54555

Ion	Ratio	Lower	Upper
122	100		
107	112.1	87.4	131.0
121	59.1	45.8	68.8

Instrument :
BNA_P
ClientSampleId :
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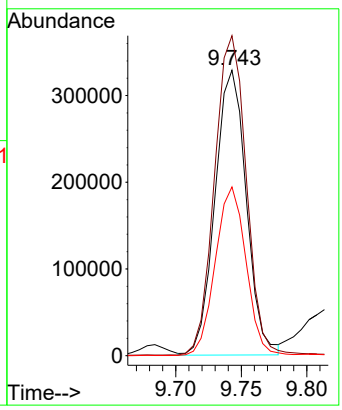
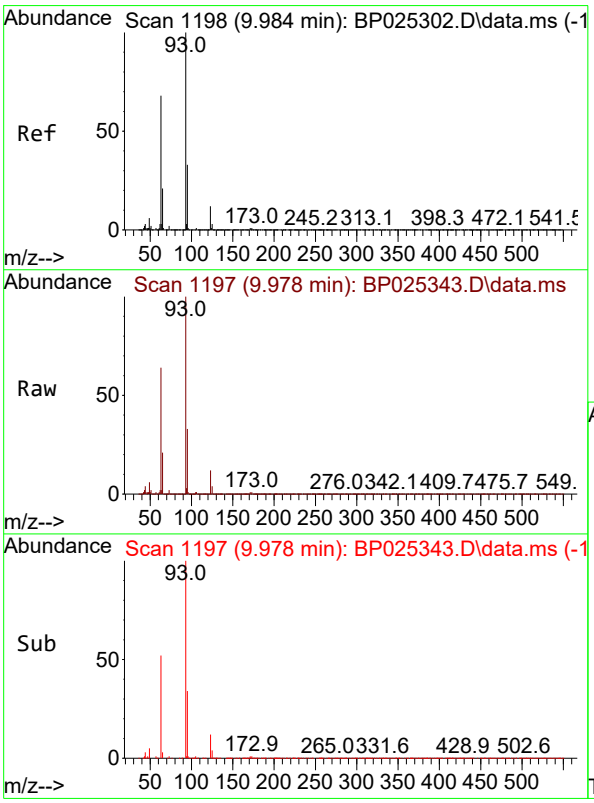
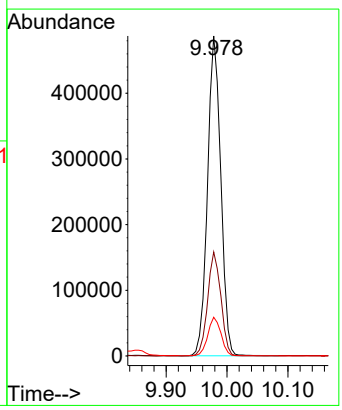


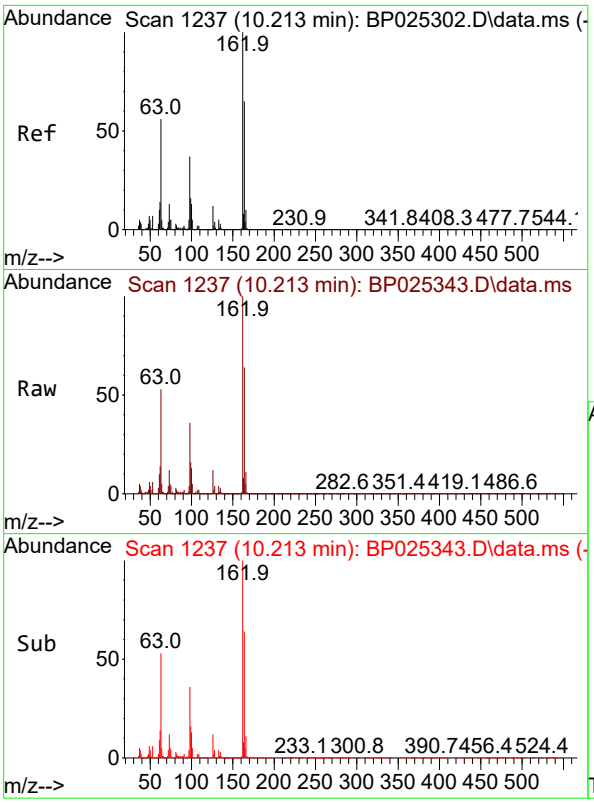


#28
bis(2-Chloroethoxy)methane
Concen: 38.663 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 93 Resp: 737818

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.5	39.7
123	12.1	9.4	14.2

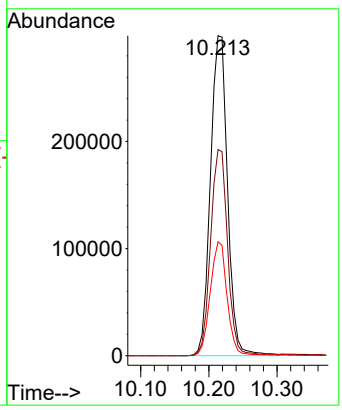




#29
2,4-Dichlorophenol
Concen: 41.201 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:162 Resp: 52168

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.2	85.2
98	35.6	17.5	57.5



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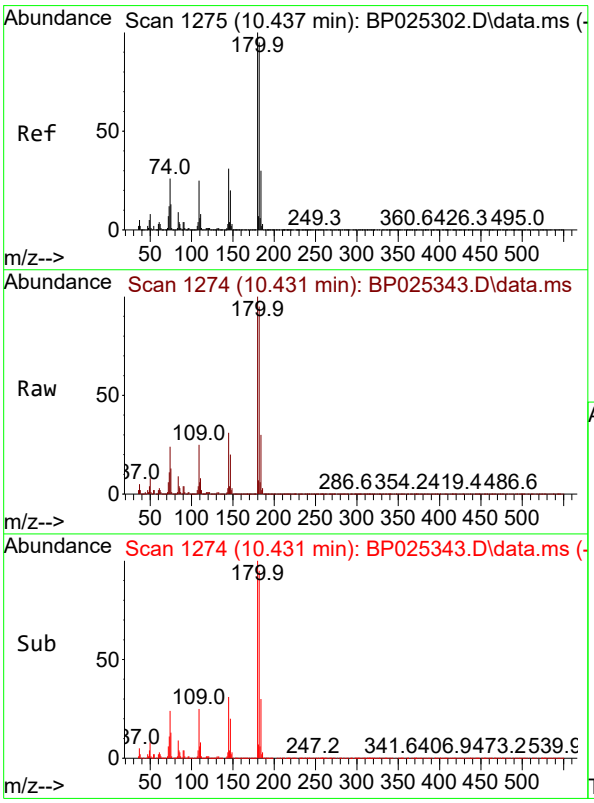
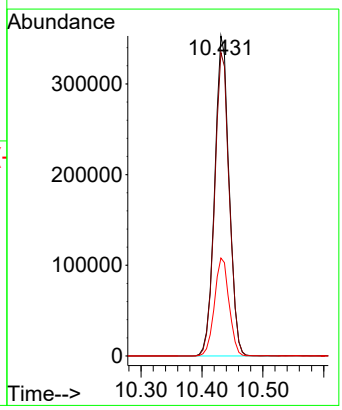
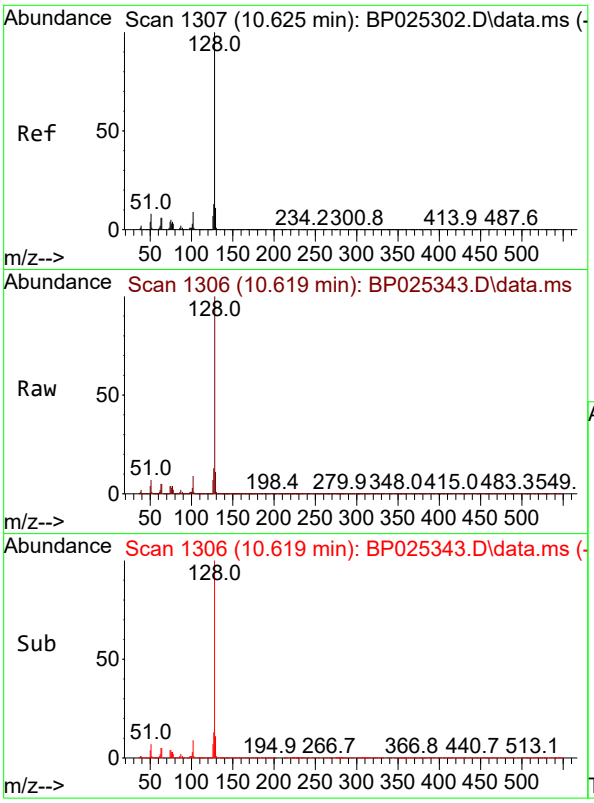


#30
1,2,4-Trichlorobenzene
Concen: 41.546 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:180 Resp: 580371

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	30.6	25.0	37.4

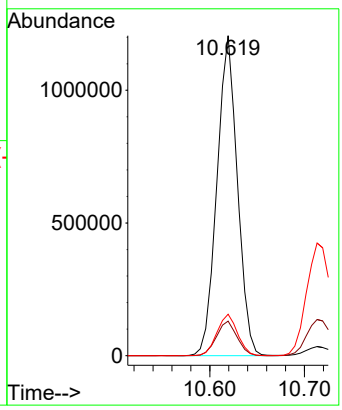




#31
Naphthalene
Concen: 39.957 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:128 Resp: 181102

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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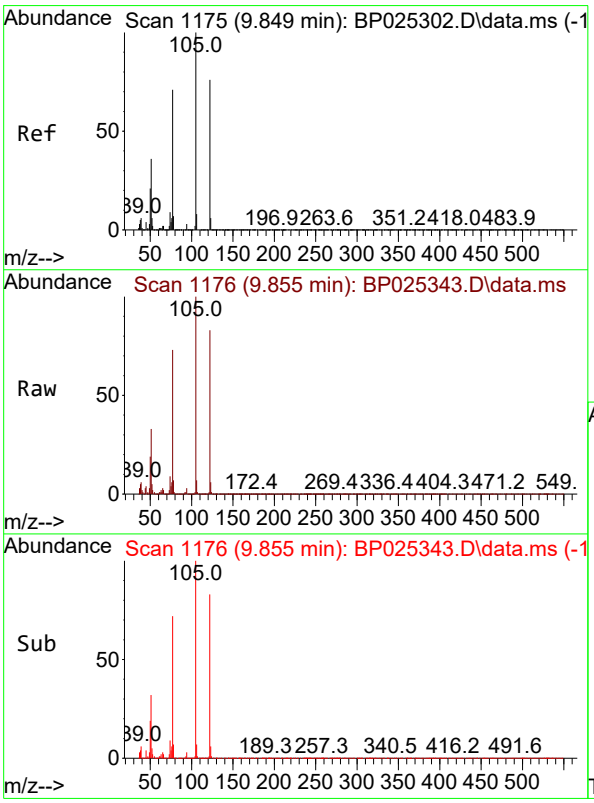
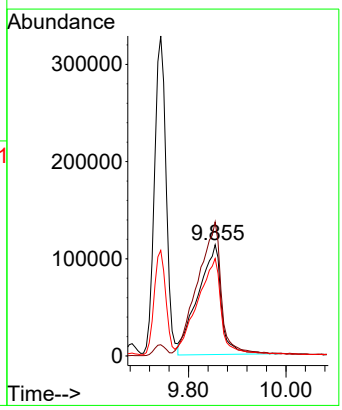
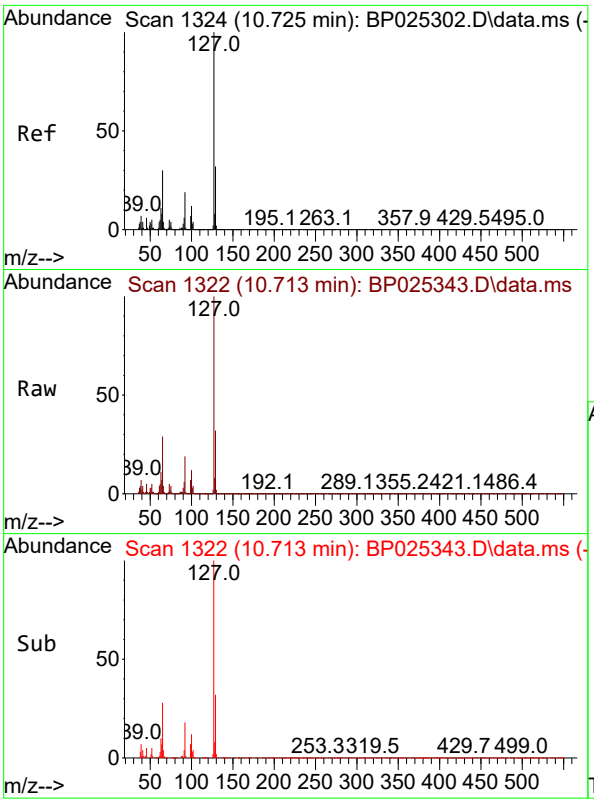


#32
Benzoic acid
Concen: 46.273 ng
RT: 9.855 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:122 Resp: 375993

Ion	Ratio	Lower	Upper
122	100		
105	120.5	104.0	144.0
77	87.6	71.8	111.8

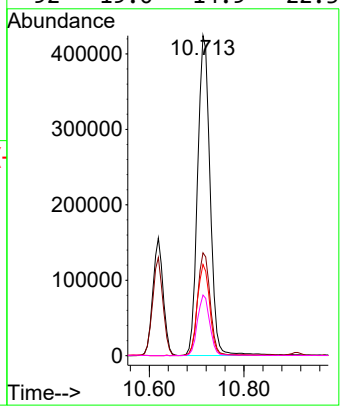




#33
4-Chloroaniline
Concen: 38.525 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:127 Resp: 77658

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	28.5	23.6	35.4
92	19.0	14.9	22.3



Instrument :
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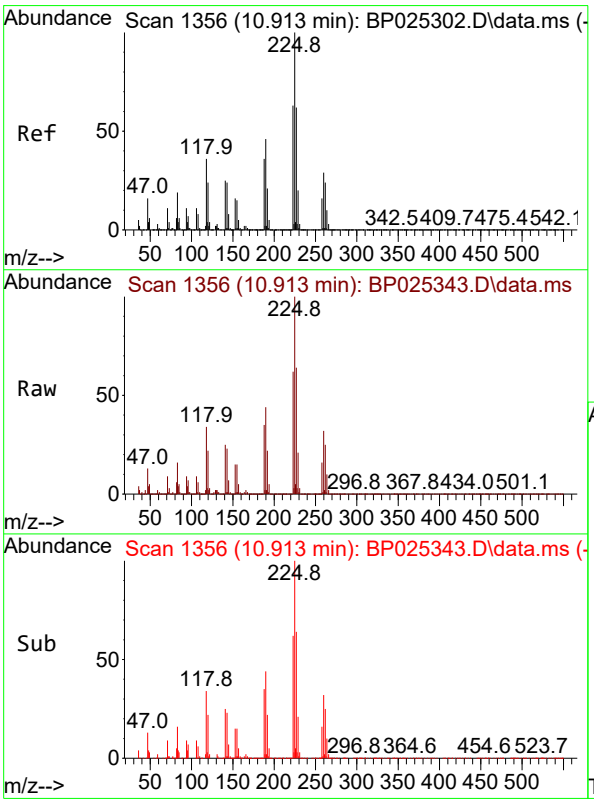
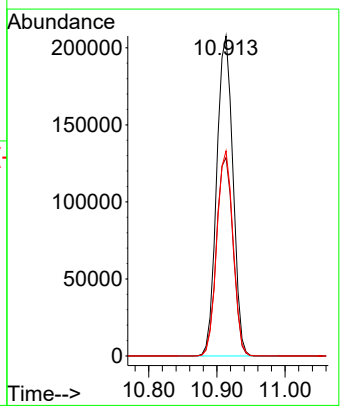
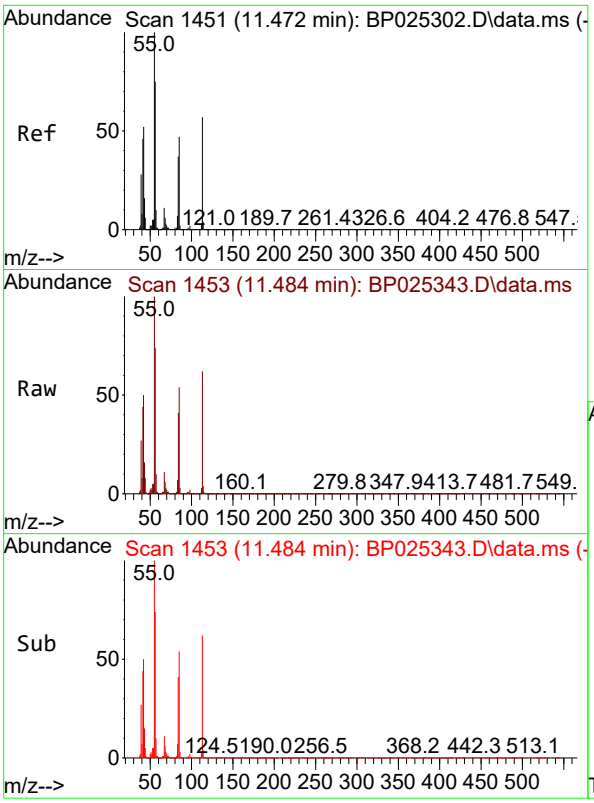


#34
Hexachlorobutadiene
Concen: 42.873 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:225 Resp: 343790

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	64.0	49.7	74.5

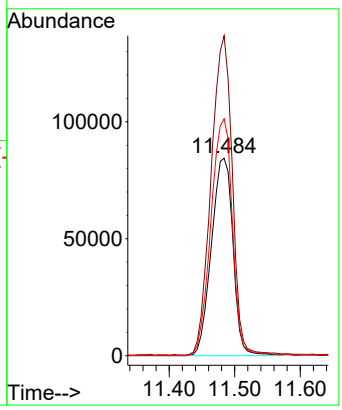




#35
Caprolactam
Concen: 39.027 ng
RT: 11.484 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:113 Resp: 19170

Ion	Ratio	Lower	Upper
113	100		
55	162.1	154.4	194.4
56	120.0	110.9	150.9



Instrument :
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ClientSampleId :
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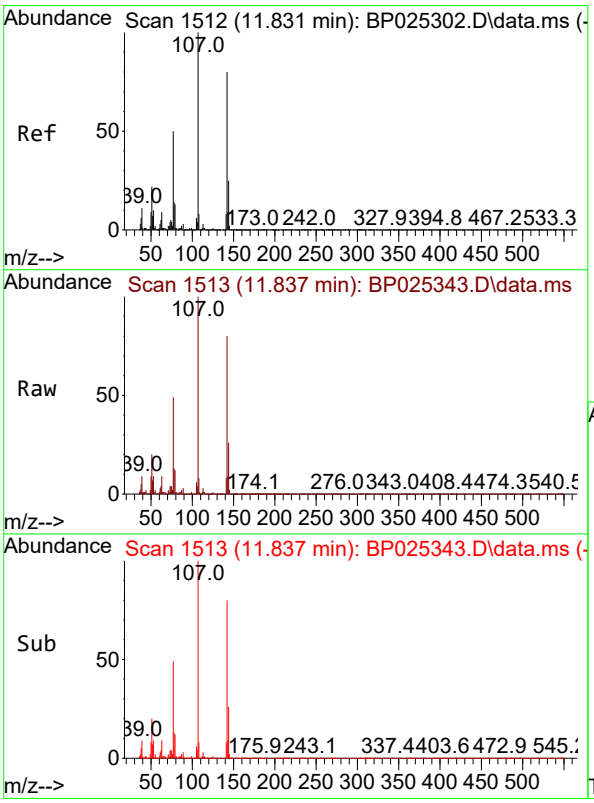
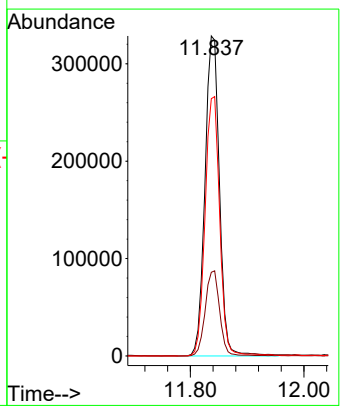
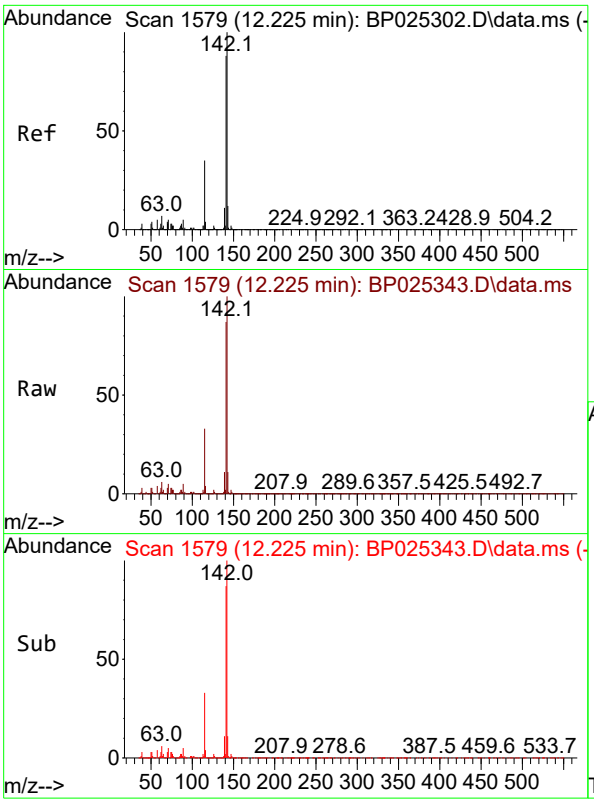


#36
4-Chloro-3-methylphenol
Concen: 39.535 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:107 Resp: 579237

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.4	30.6
142	80.4	63.7	95.5

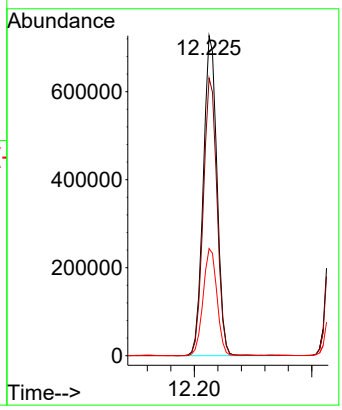




#37
2-Methylnaphthalene
Concen: 39.881 ng
RT: 12.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:142 Resp: 116997

Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.4	105.6
115	33.4	28.0	42.0



Instrument :
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ClientSampleId :
SSTDCCC040

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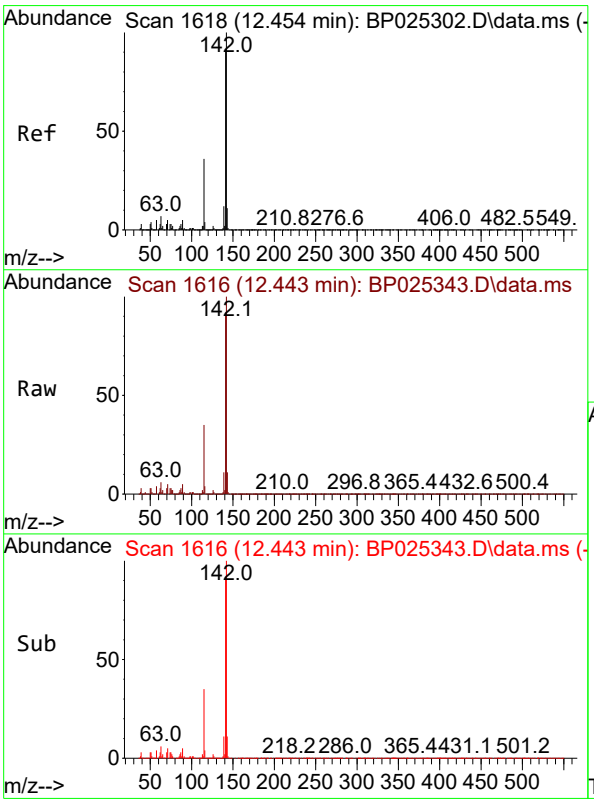
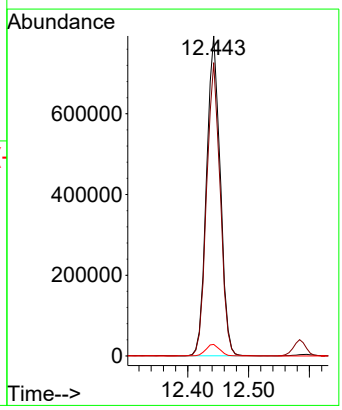
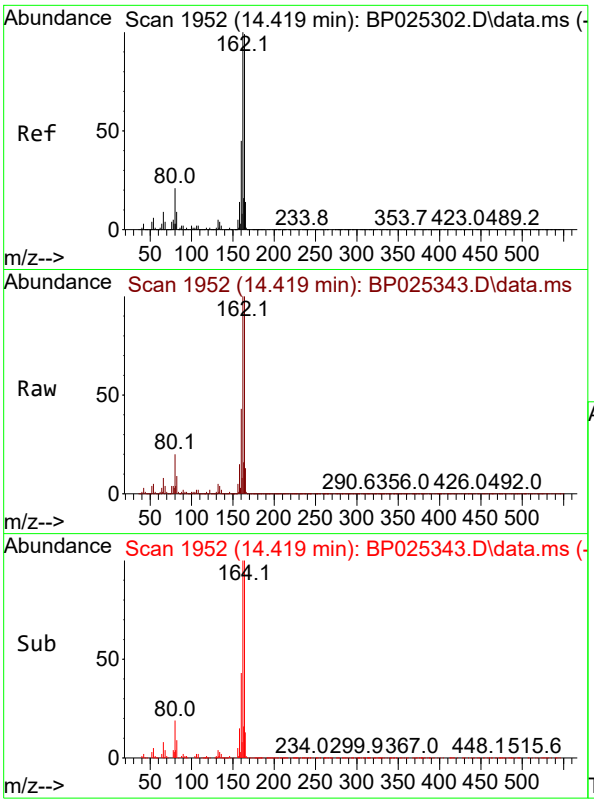


#38
1-Methylnaphthalene
Concen: 40.414 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:142 Resp: 1237086

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.6
116	3.6	3.0	4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 55896

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.2	35.9	53.9

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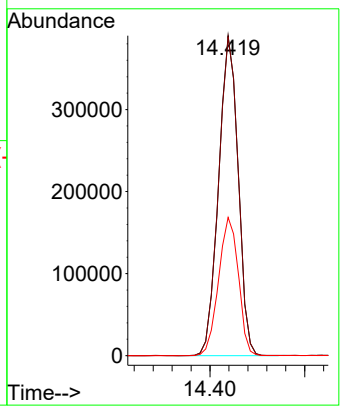
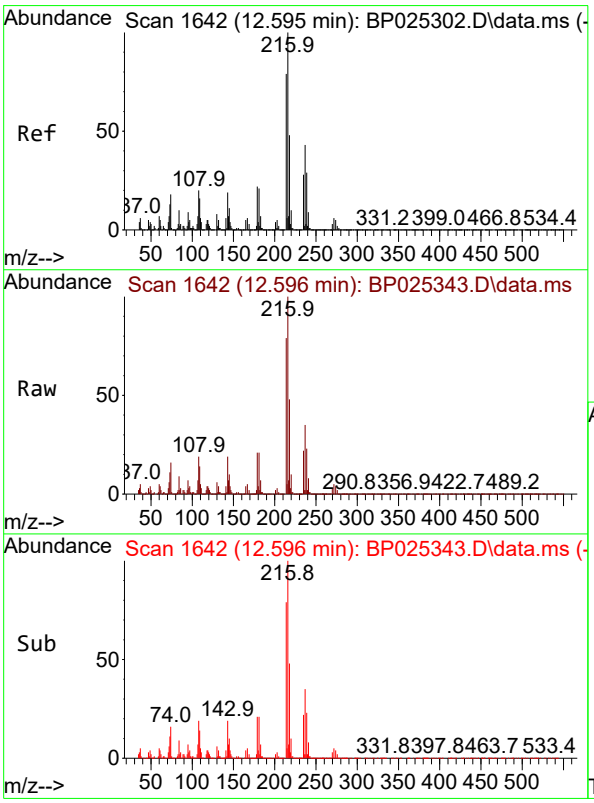
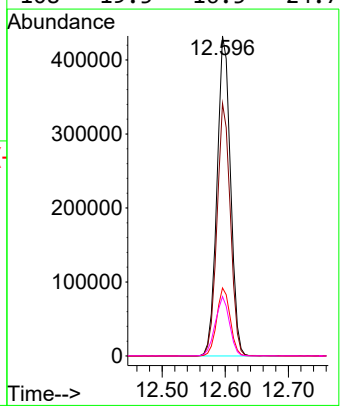


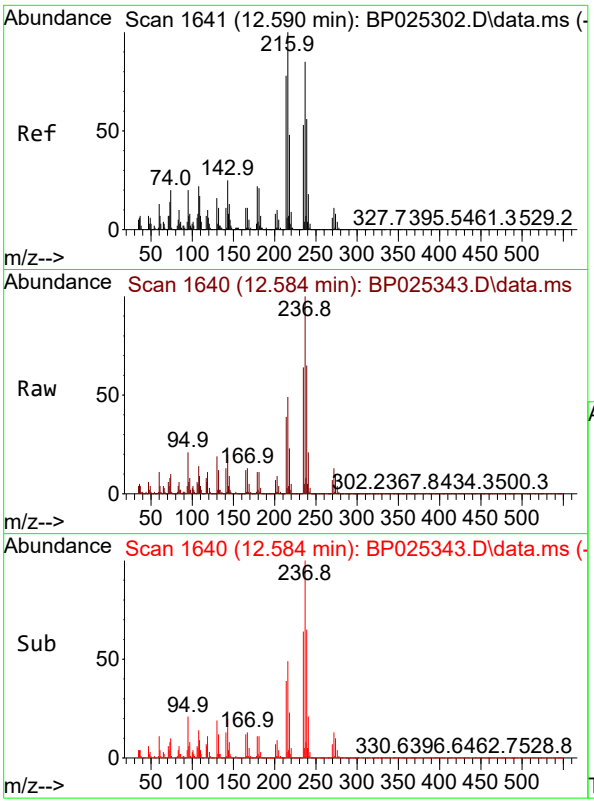


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.118 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:216 Resp: 642752

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.4	93.6
179	21.2	17.5	26.3
108	19.5	16.5	24.7

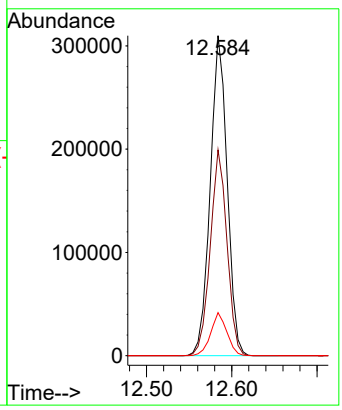




#41
Hexachlorocyclopentadiene
Concen: 45.304 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:237 Resp: 42670

Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.2	82.2
272	13.4	0.0	32.8



Instrument :
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ClientSampleId :
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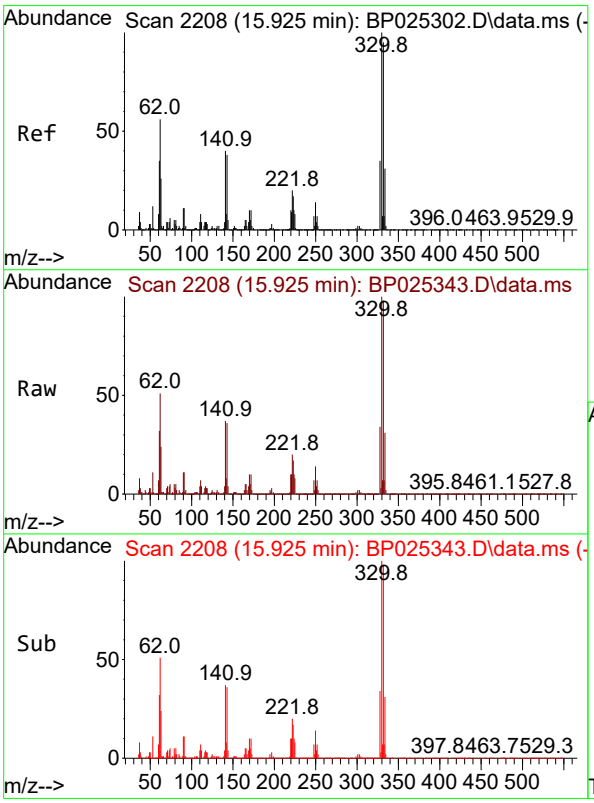
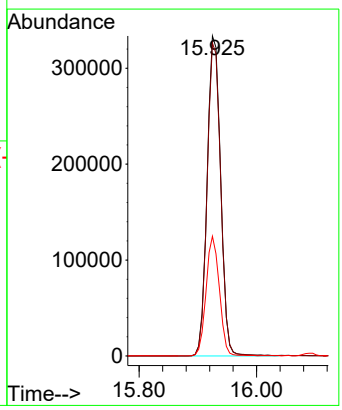
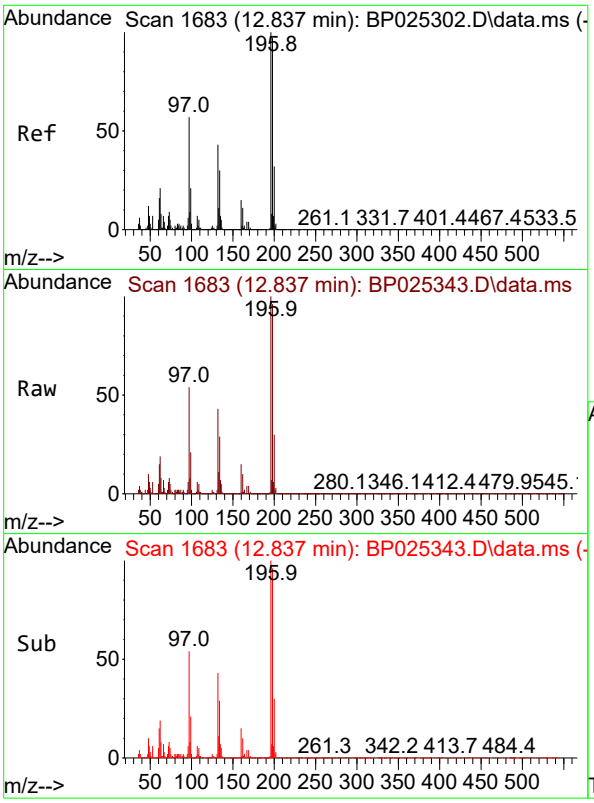


#42
2,4,6-Tribromophenol
Concen: 95.603 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:330 Resp: 533118

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	36.7	31.7	47.5

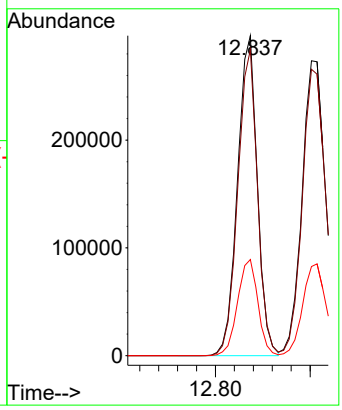




#43
2,4,6-Trichlorophenol
Concen: 43.736 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:196 Resp: 43116

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
200	30.1	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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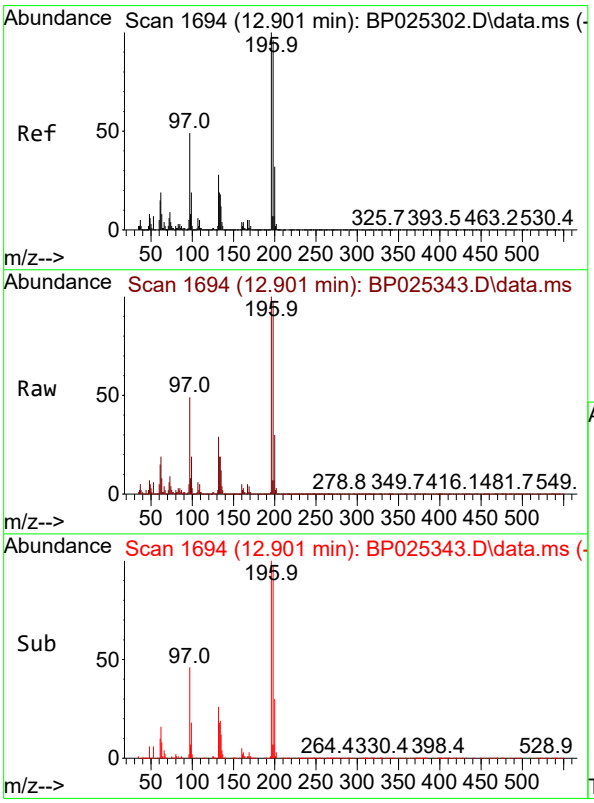
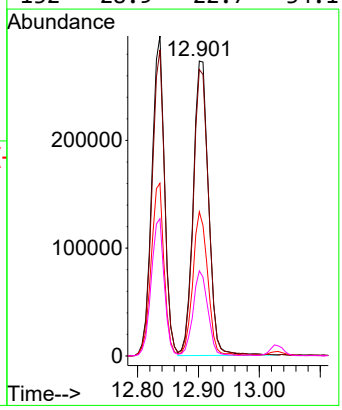
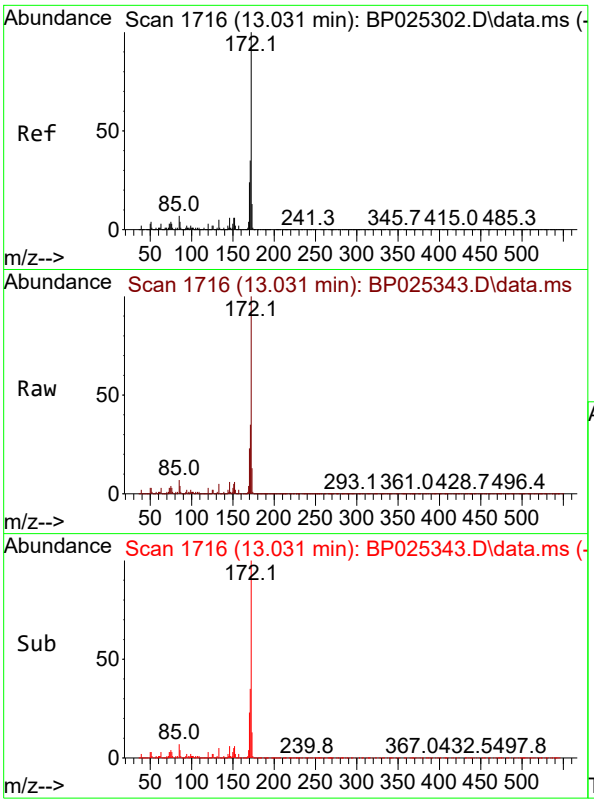


#44
2,4,5-Trichlorophenol
Concen: 43.131 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:196 Resp: 476982

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
97	48.9	39.5	59.3
132	28.9	22.7	34.1

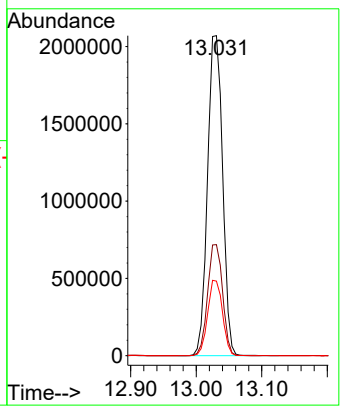




#45
2-Fluorobiphenyl
Concen: 81.789 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:172 Resp: 330994

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.3	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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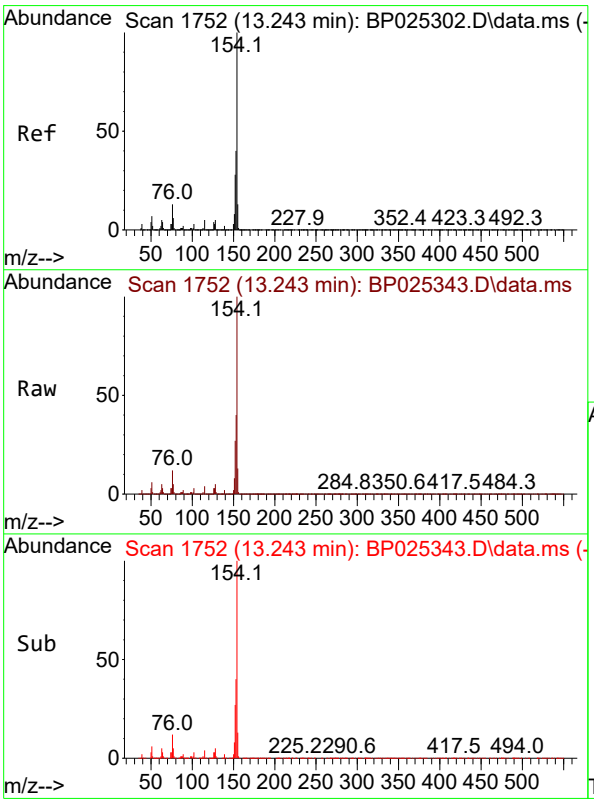
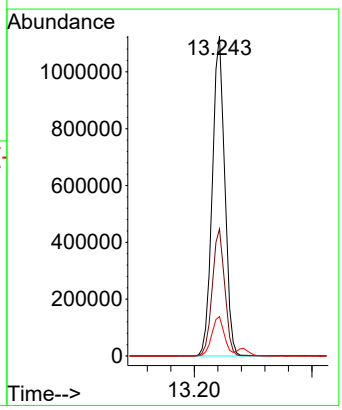
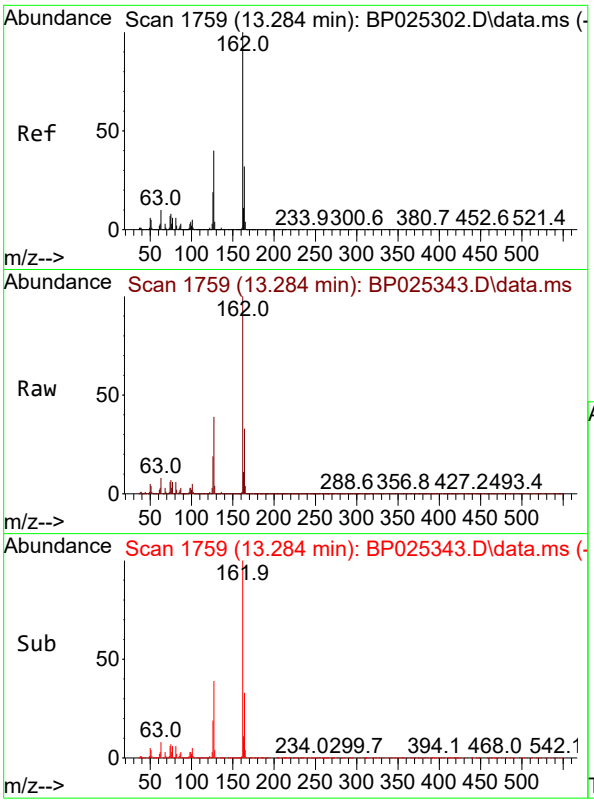


#46
1,1'-Biphenyl
Concen: 40.176 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:154 Resp: 1654987

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.9	59.9
76	12.3	0.0	33.2

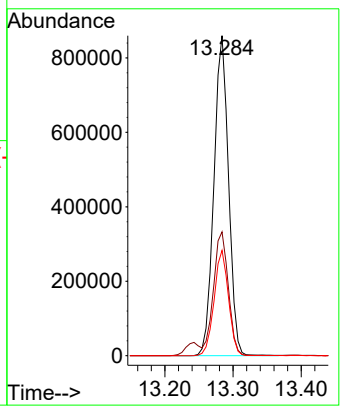




#47
2-Chloronaphthalene
Concen: 40.857 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:162 Resp: 128400

Ion	Ratio	Lower	Upper
162	100		
127	38.7	32.2	48.2
164	32.9	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
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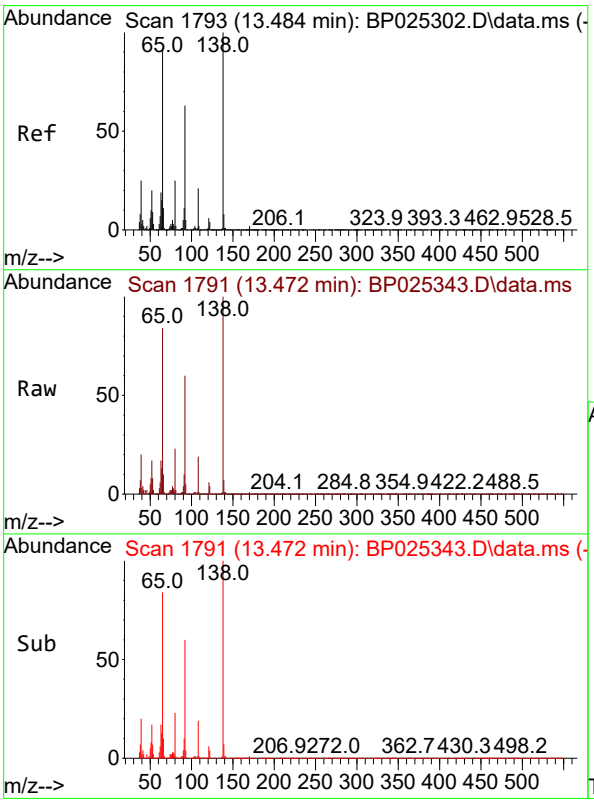
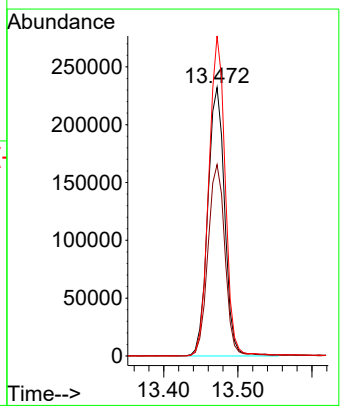
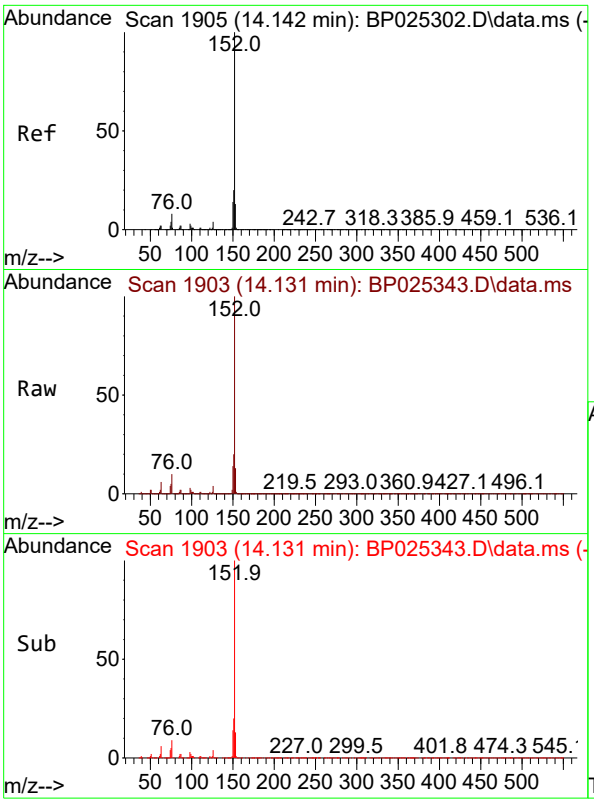


#48
2-Nitroaniline
Concen: 40.385 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 65 Resp: 367171

Ion	Ratio	Lower	Upper
65	100		
92	71.3	54.4	81.6
138	119.2	87.0	130.4





#49
Acenaphthylene
Concen: 40.051 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 209952

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.0	10.4	15.6

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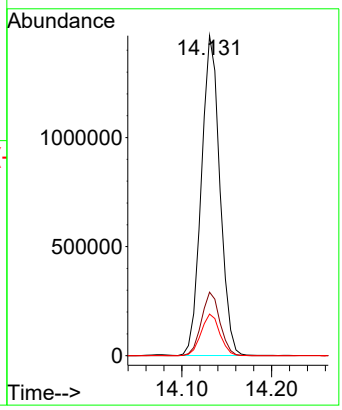
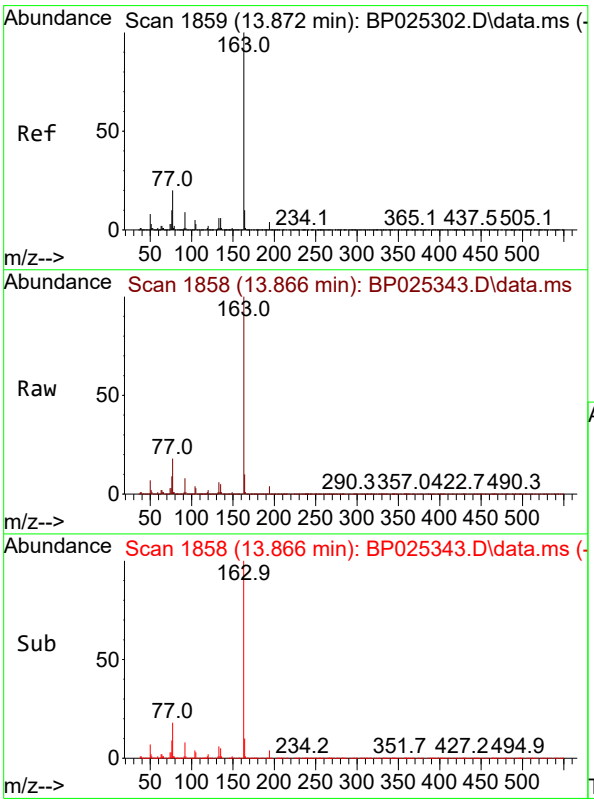
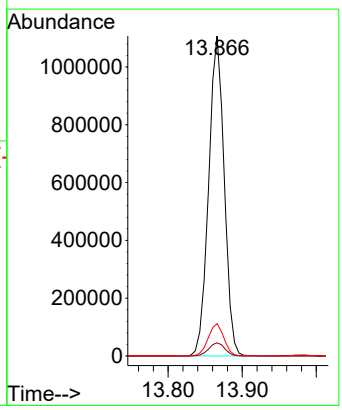


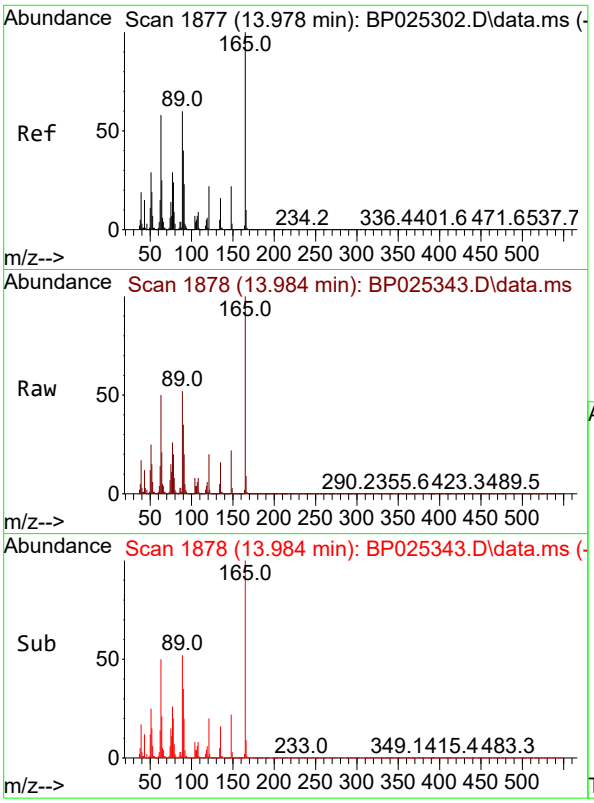


#50
Dimethylphthalate
Concen: 39.633 ng
RT: 13.866 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:163 Resp: 1614991

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 45.646 ng
RT: 13.984 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:165 Resp: 34307

Ion	Ratio	Lower	Upper
165	100		
63	50.1	47.6	71.4
89	51.6	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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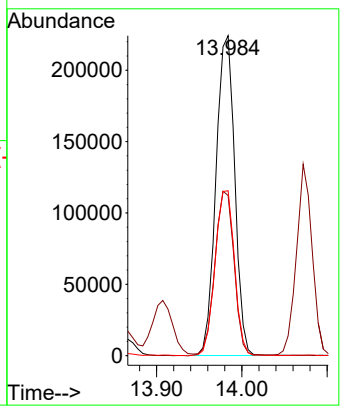
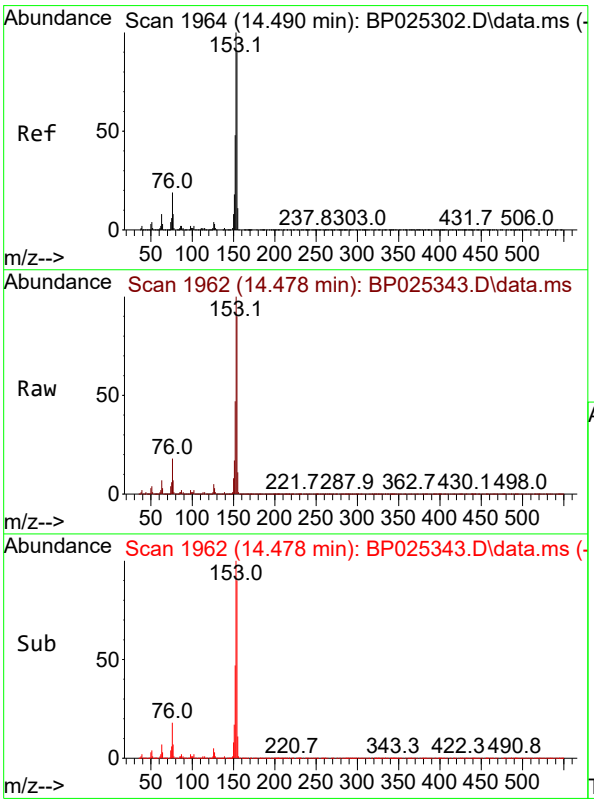
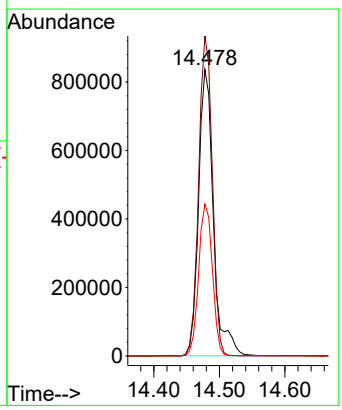


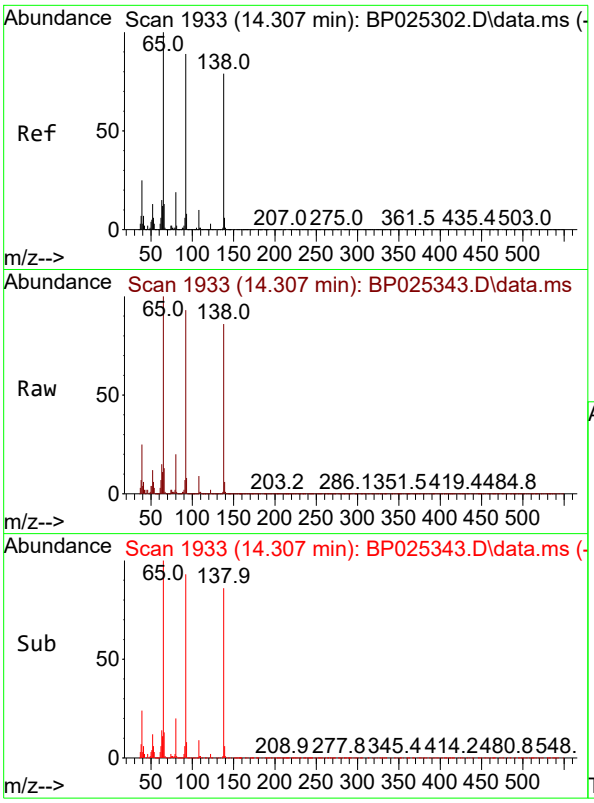


#52
Acenaphthene
Concen: 41.283 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:154 Resp: 1320053

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	53.0	43.0	64.6





#53
3-Nitroaniline
Concen: 45.838 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 40313

Ion	Ratio	Lower	Upper
138	100		
108	10.7	10.5	15.7
92	108.3	90.9	136.3

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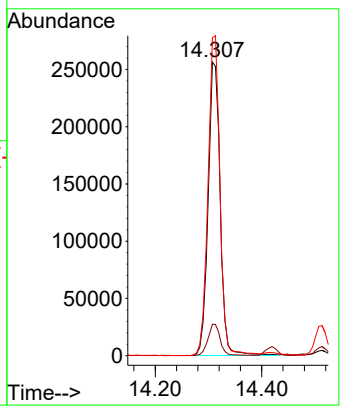
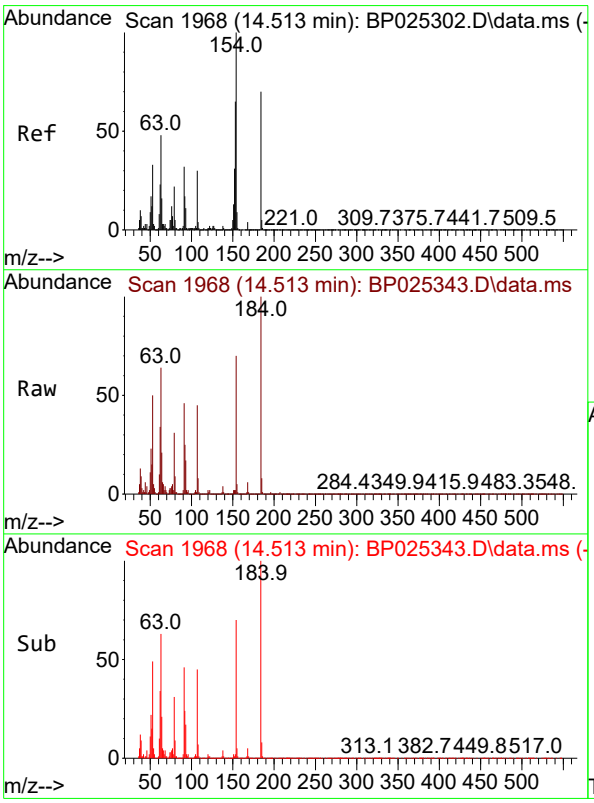
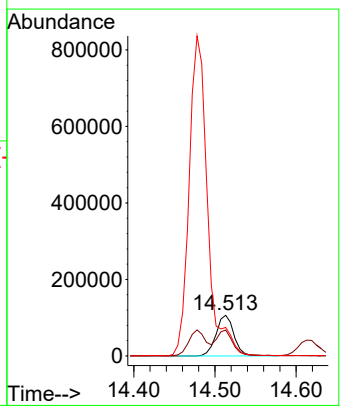


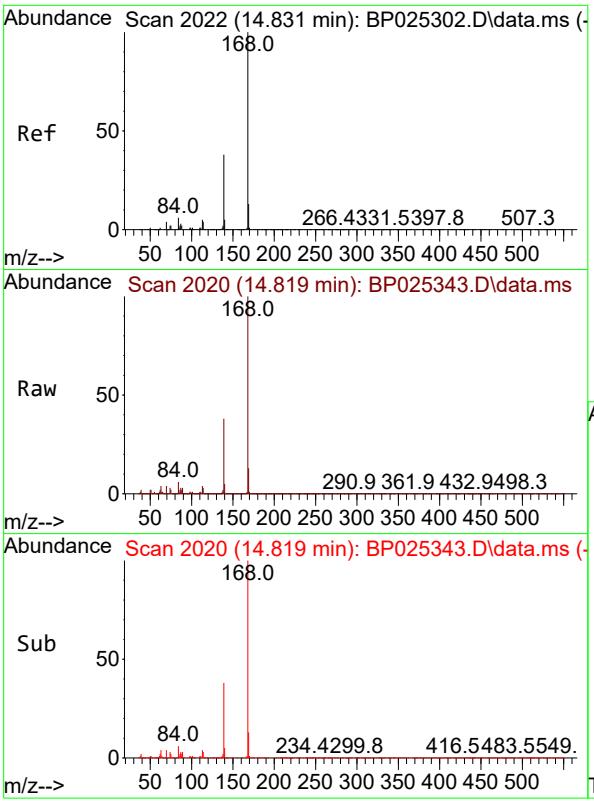


#54
2,4-Dinitrophenol
Concen: 50.859 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:184 Resp: 163906

Ion	Ratio	Lower	Upper
184	100		
63	63.6	56.3	84.5
154	69.9	124.5	186.7#

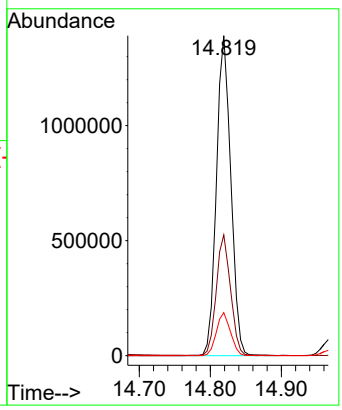




#55
Dibenzofuran
Concen: 40.746 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:168 Resp: 194701

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7
169	13.5	10.6	15.8



Instrument :
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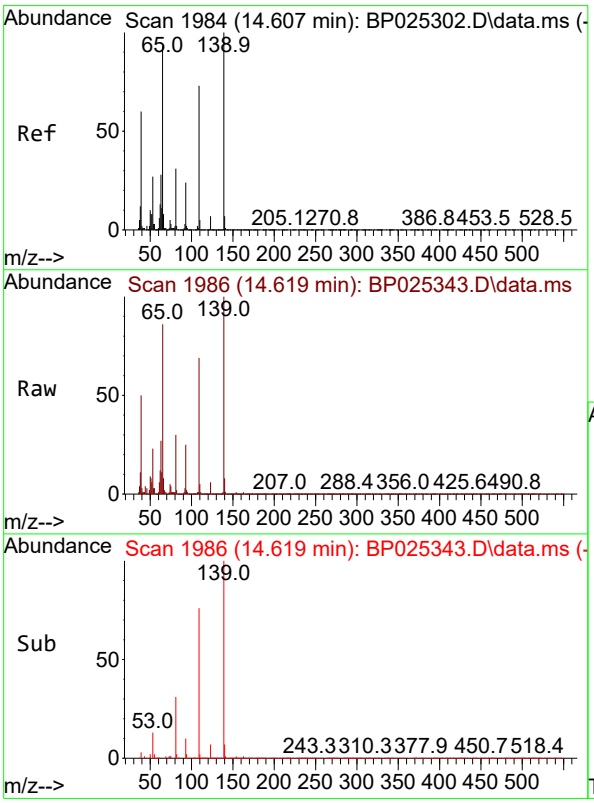
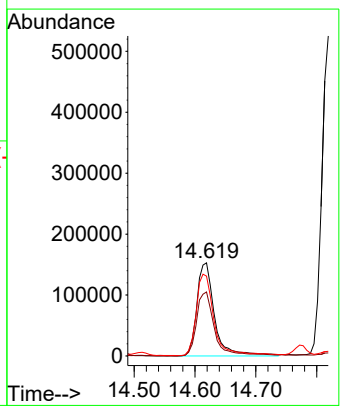
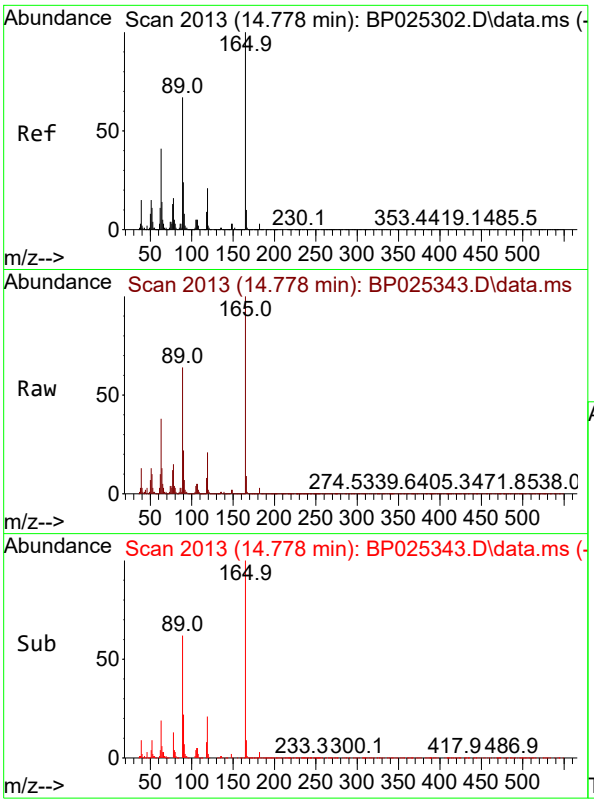


#56
4-Nitrophenol
Concen: 39.715 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:139 Resp: 308271

Ion	Ratio	Lower	Upper
139	100		
109	68.7	52.7	92.7
65	85.8	73.4	113.4

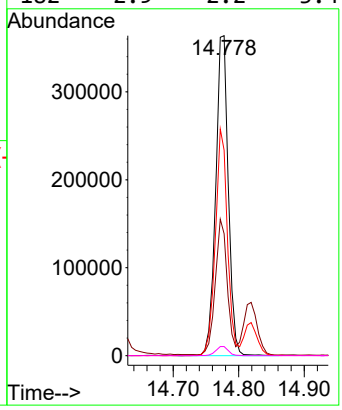




#57
2,4-Dinitrotoluene
Concen: 41.915 ng
RT: 14.778 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:165 Resp: 48321

Ion	Ratio	Lower	Upper
165	100		
63	38.1	33.2	49.8
89	64.2	53.5	80.3
182	2.9	2.2	3.4



Instrument :
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ClientSampleId :
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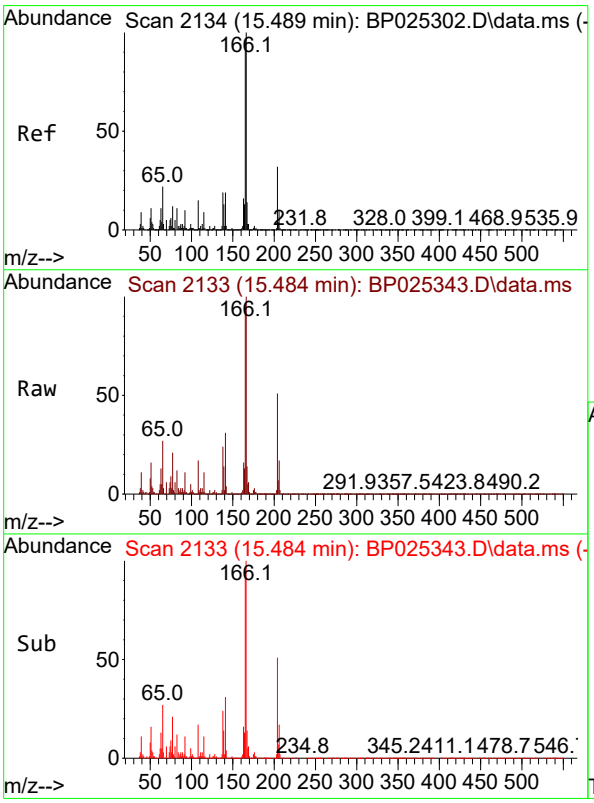
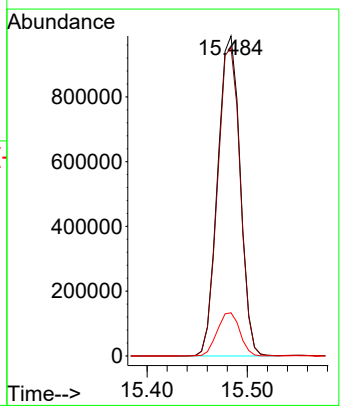
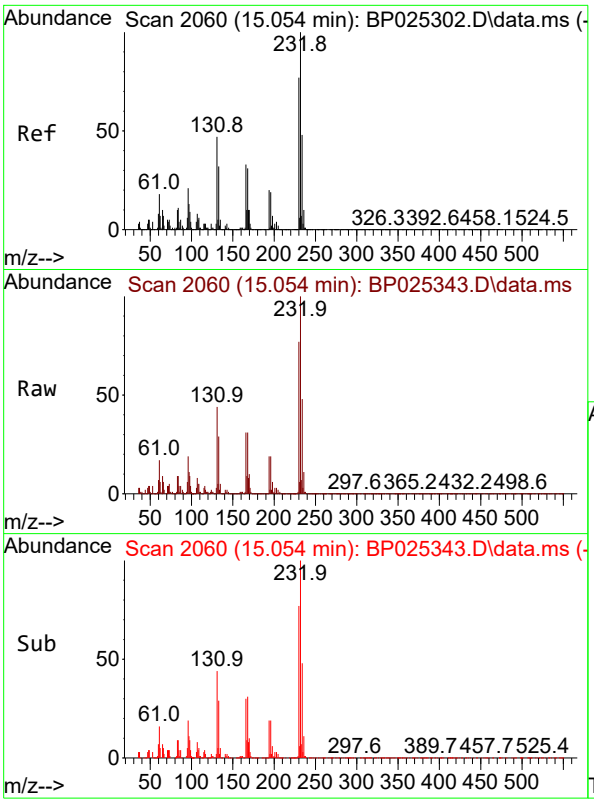


#58
Fluorene
Concen: 40.836 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:166 Resp: 1532588

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.7	115.1
167	13.5	10.9	16.3

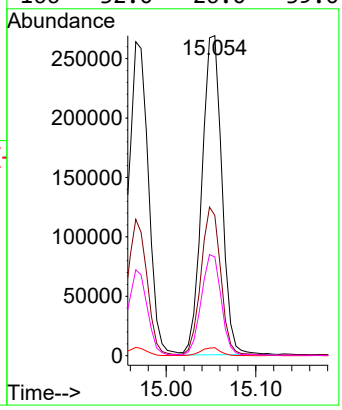




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.958 ng
RT: 15.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:232 Resp: 41531

Ion	Ratio	Lower	Upper
232	100		
131	46.1	39.3	58.9
130	2.5	2.2	3.2
166	32.0	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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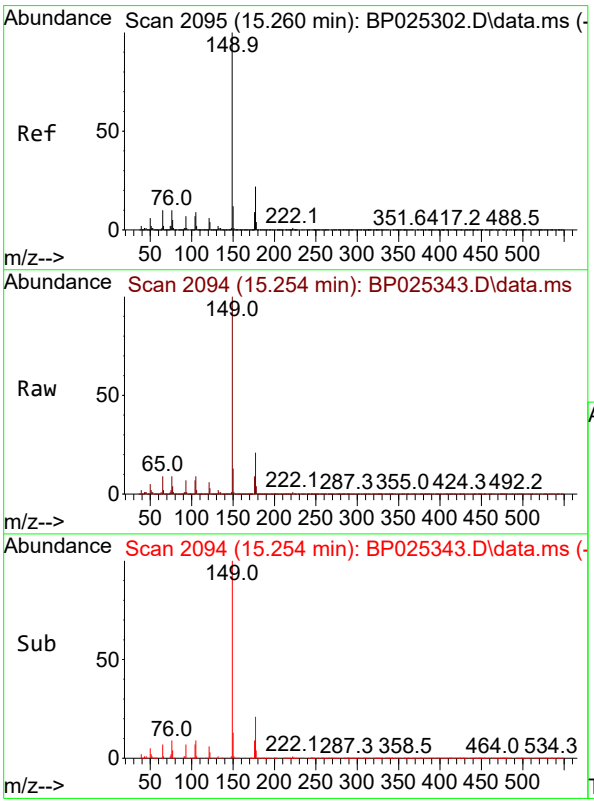
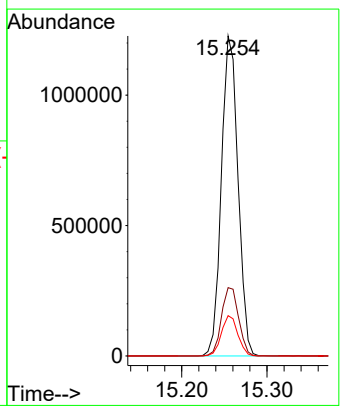
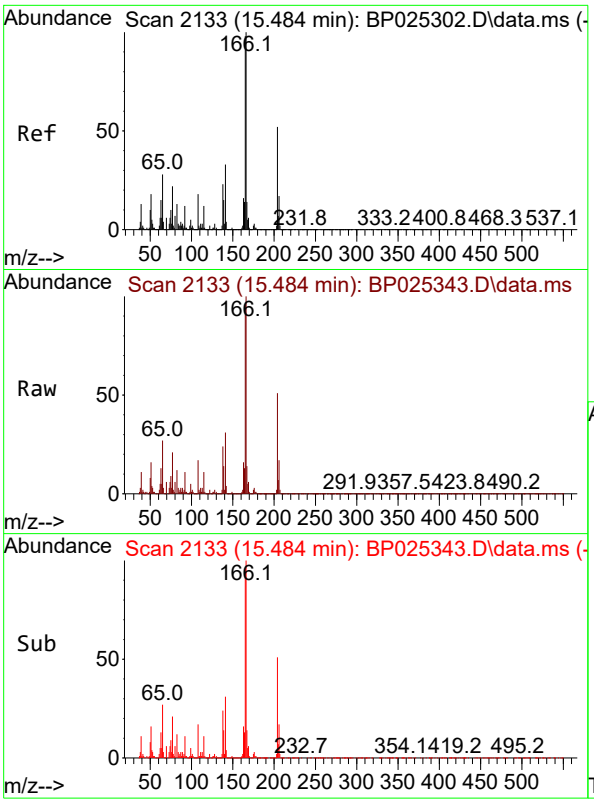


#60
Diethylphthalate
Concen: 40.427 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:149 Resp: 1660802

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	9.8	14.8

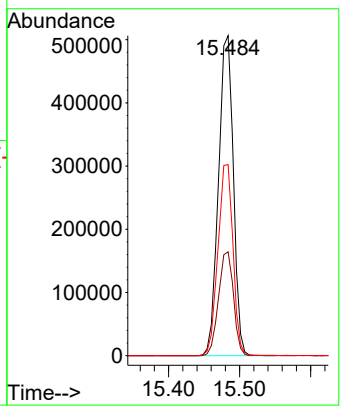




#61
4-Chlorophenyl-phenylether
Concen: 41.227 ng
RT: 15.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:204 Resp: 73352

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.0	40.4
141	59.7	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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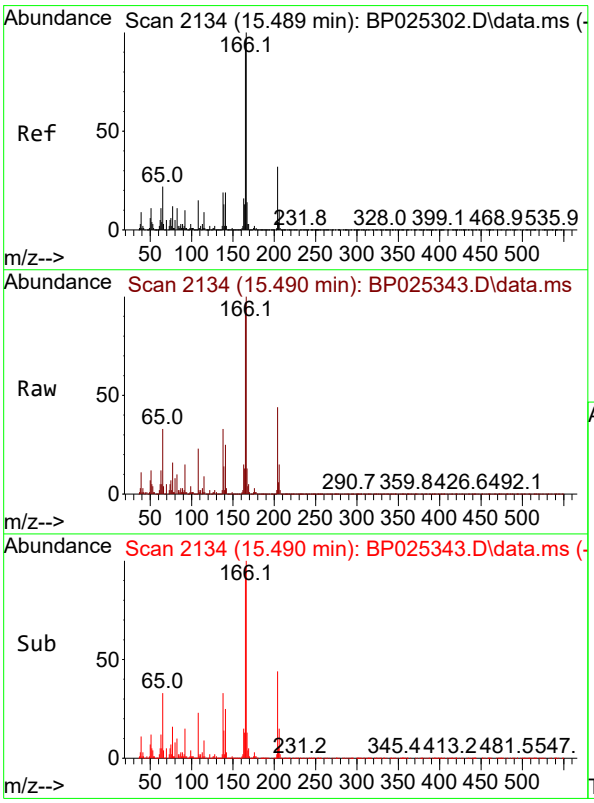
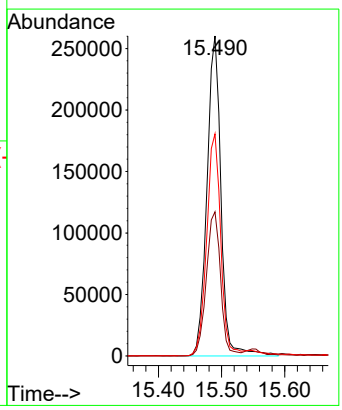
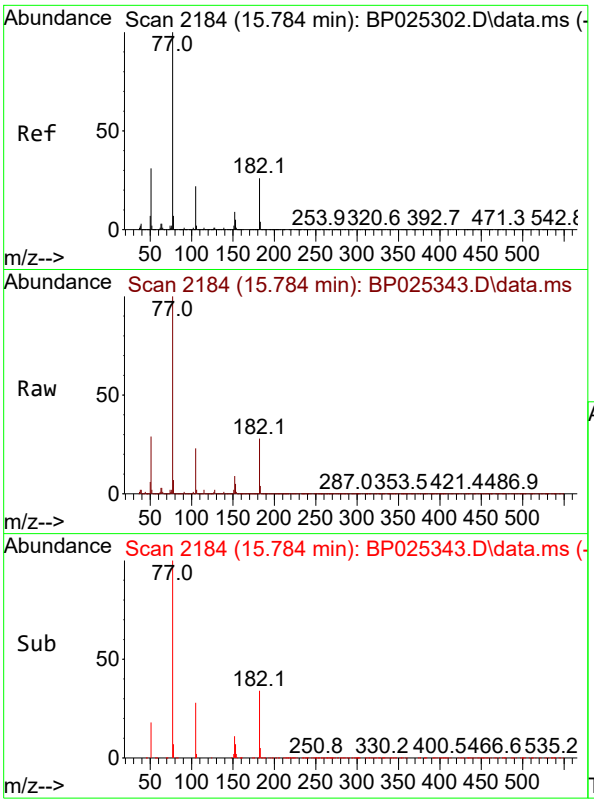


#62
4-Nitroaniline
Concen: 46.001 ng
RT: 15.490 min Scan# 2134
Delta R.T. 0.001 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:138 Resp: 400872

Ion	Ratio	Lower	Upper
138	100		
92	45.1	29.8	69.8
108	69.4	56.6	96.6

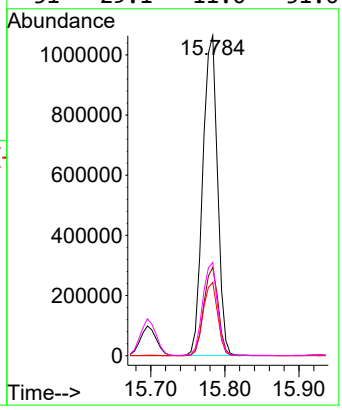




#63
Azobenzene
Concen: 38.459 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion: 77 Resp: 146774

Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.0	46.0
105	22.9	2.1	42.1
51	29.1	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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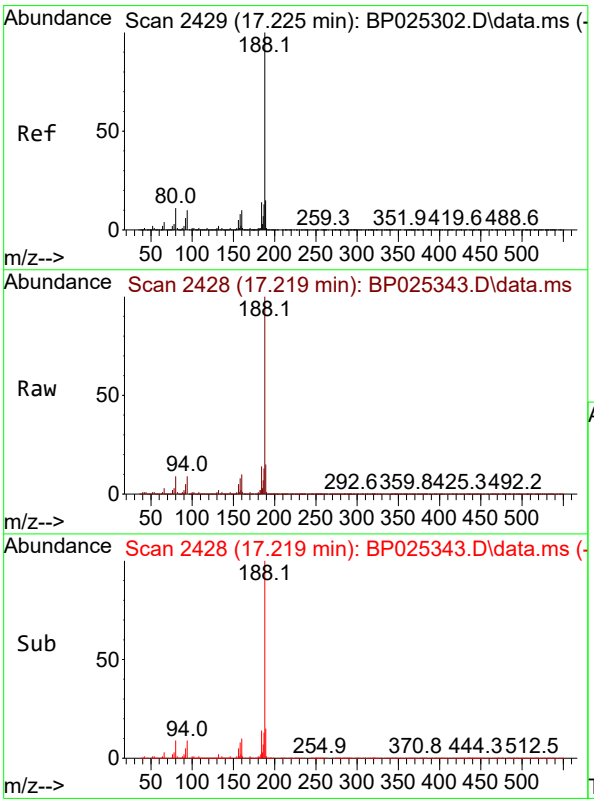
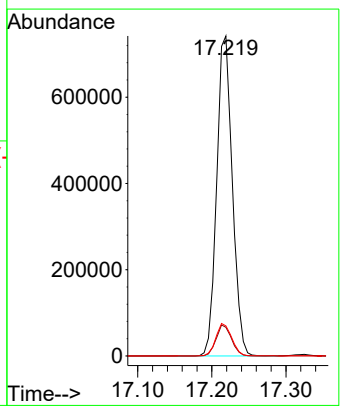
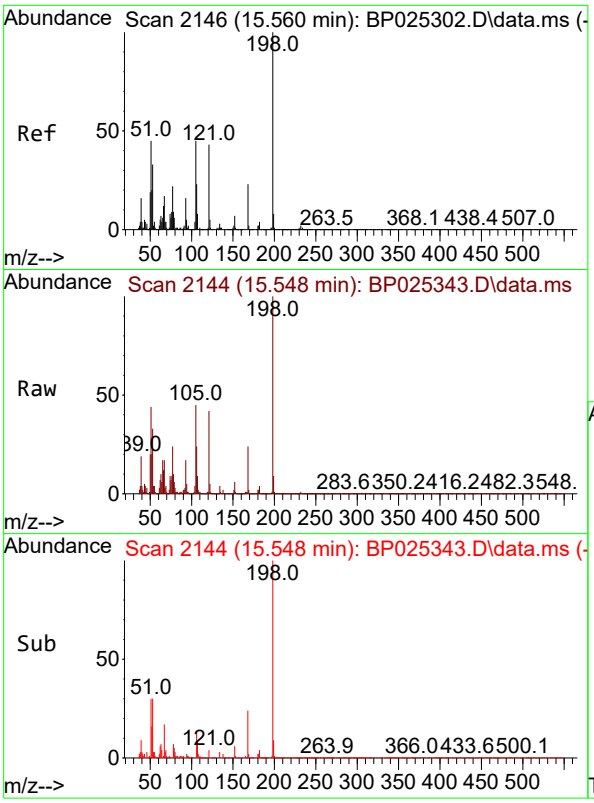


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:188 Resp: 1086110

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.4	8.5	12.7

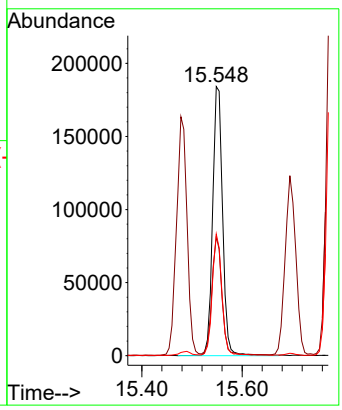




#65
4,6-Dinitro-2-methylphenol
Concen: 51.208 ng
RT: 15.548 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:198 Resp: 25266

Ion	Ratio	Lower	Upper
198	100		
51	44.2	26.7	66.7
105	45.2	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
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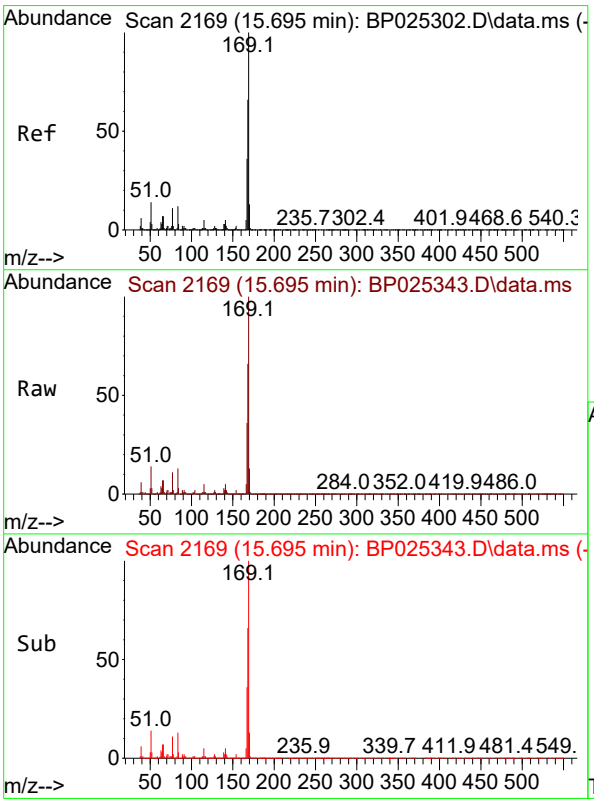
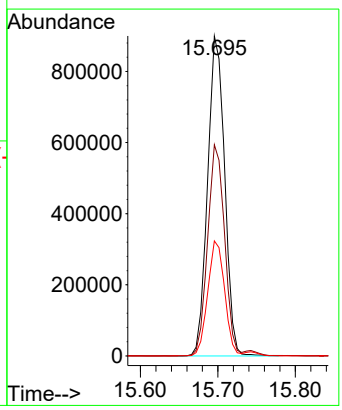
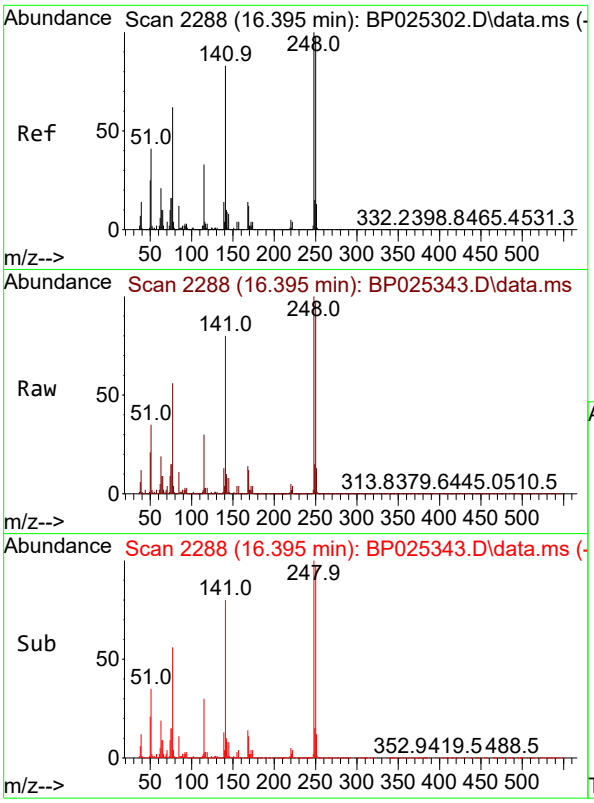


#66
n-Nitrosodiphenylamine
Concen: 41.592 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:169 Resp: 1375450

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.8	79.2
167	35.9	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 42.229 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 46148

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.6	117.8
141	80.0	66.6	99.8

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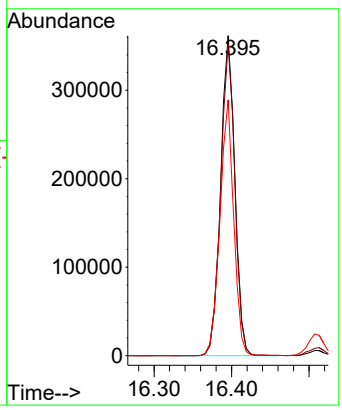
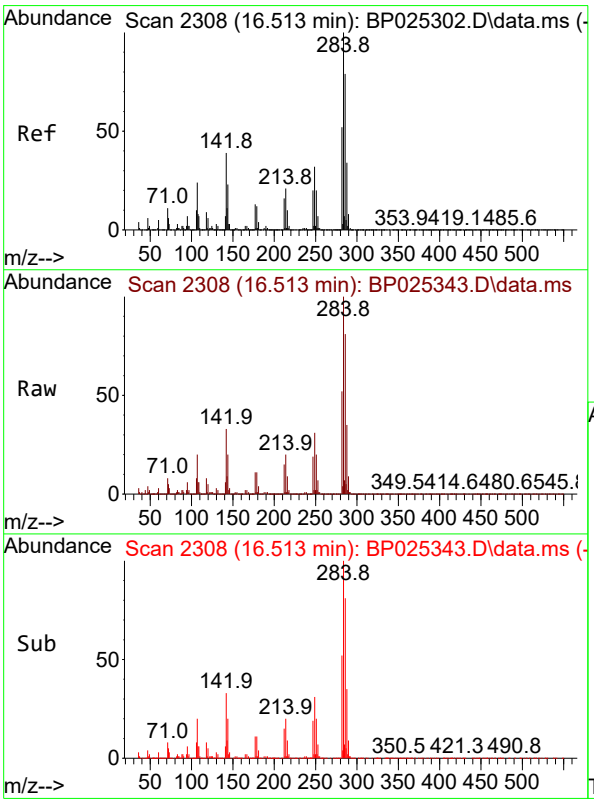
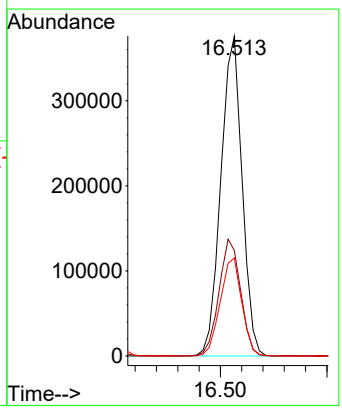


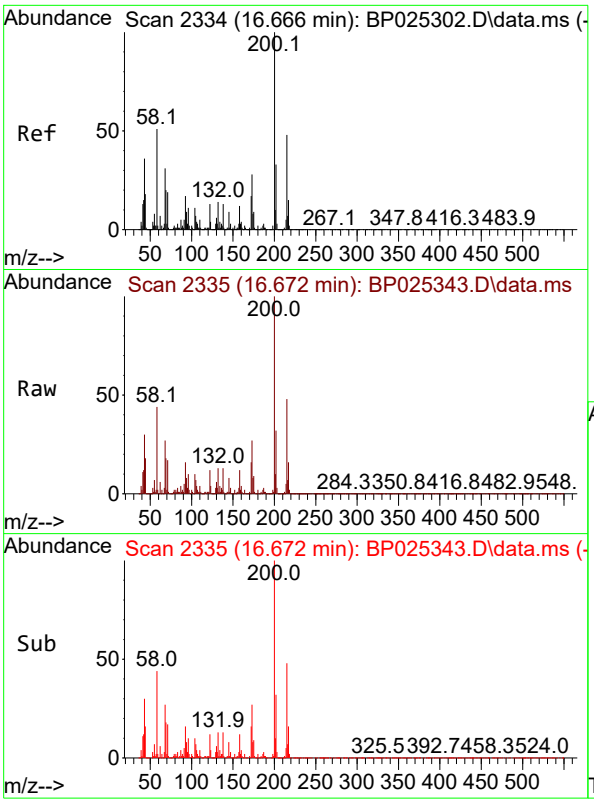


#68
Hexachlorobenzene
Concen: 42.370 ng
RT: 16.513 min Scan# 2308
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:284 Resp: 519543

Ion	Ratio	Lower	Upper
284	100		
142	32.9	30.8	46.2
249	30.6	25.4	38.0

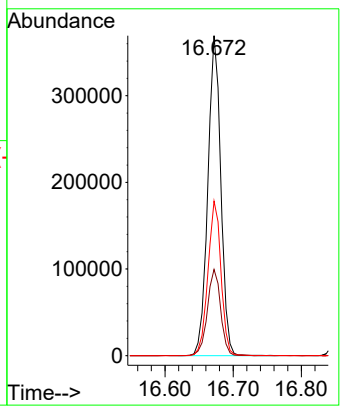




#69
Atrazine
Concen: 42.051 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:200 Resp: 48904

Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.2	48.2
215	48.3	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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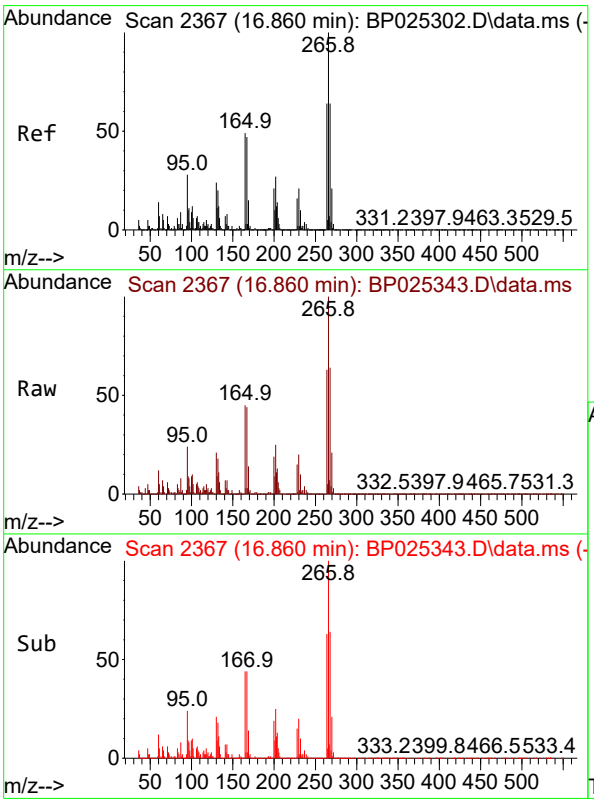
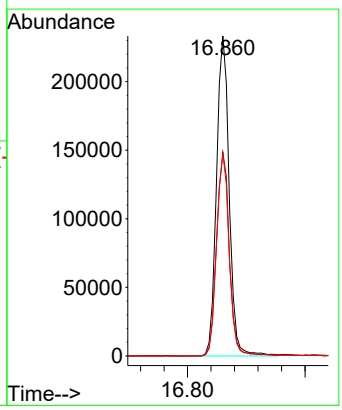
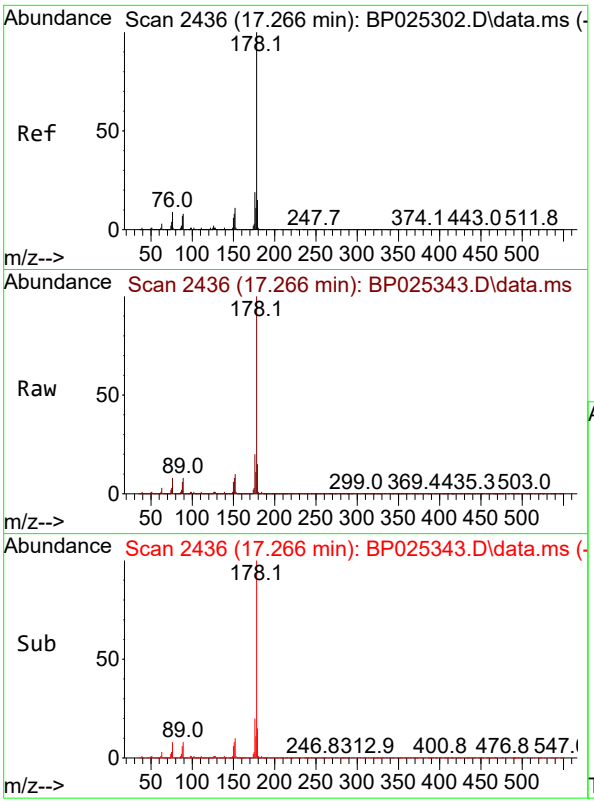


#70
Pentachlorophenol
Concen: 44.579 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:266 Resp: 348264

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.4	77.0
264	63.2	51.1	76.7





#71
Phenanthrene
Concen: 40.897 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:178 Resp: 243284

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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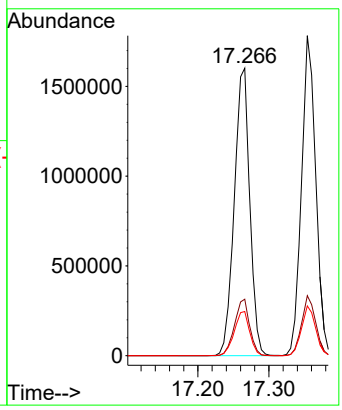
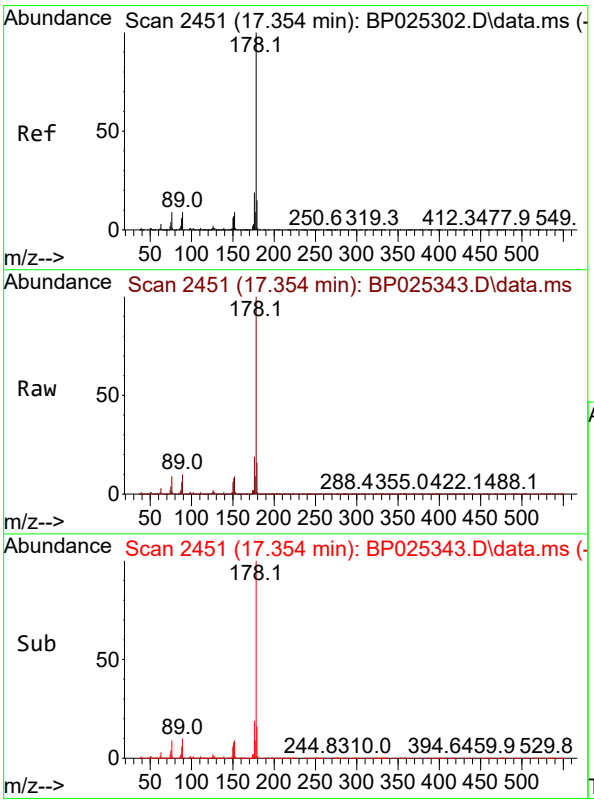
Supervised By :Jagrut Upadhyay 08/12/2025

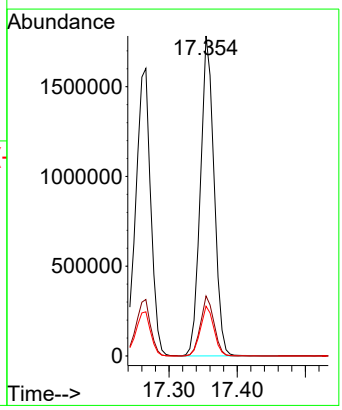


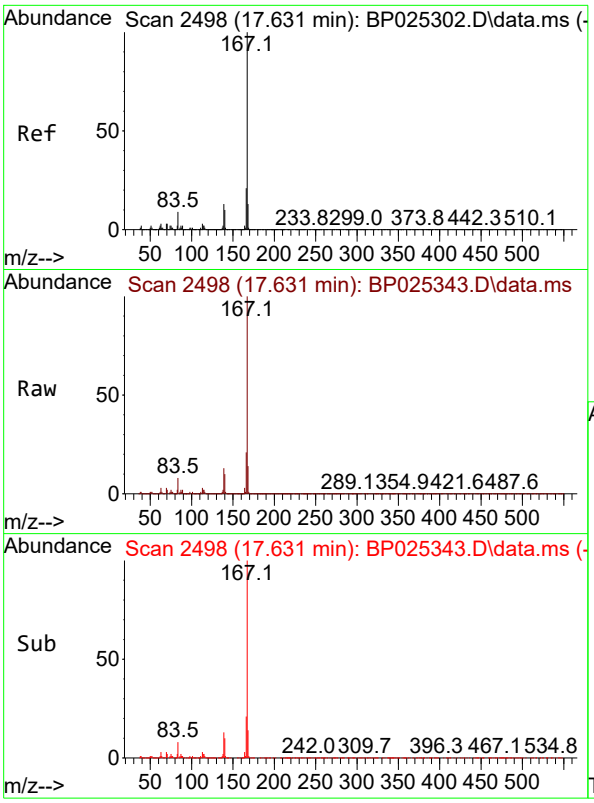


#72
Anthracene
Concen: 41.382 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:178 Resp: 2482165

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.3	18.5

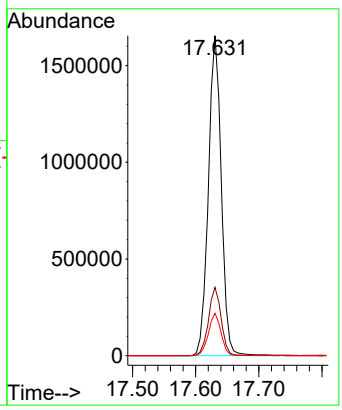




#73
Carbazole
Concen: 40.718 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:167 Resp: 234440

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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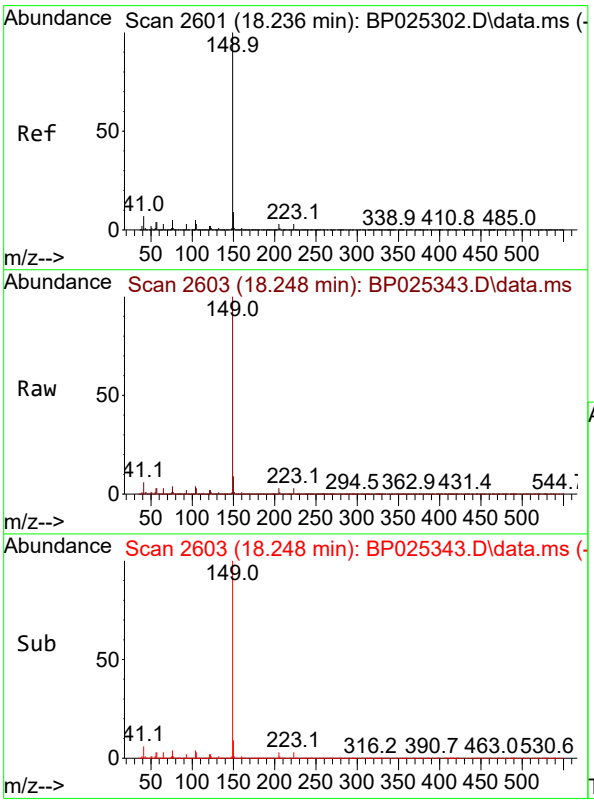
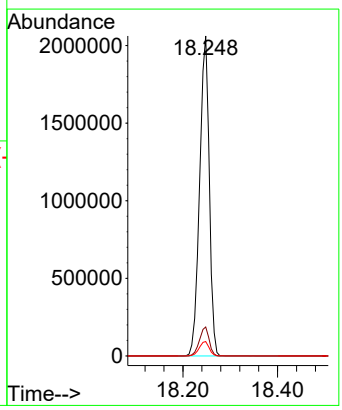
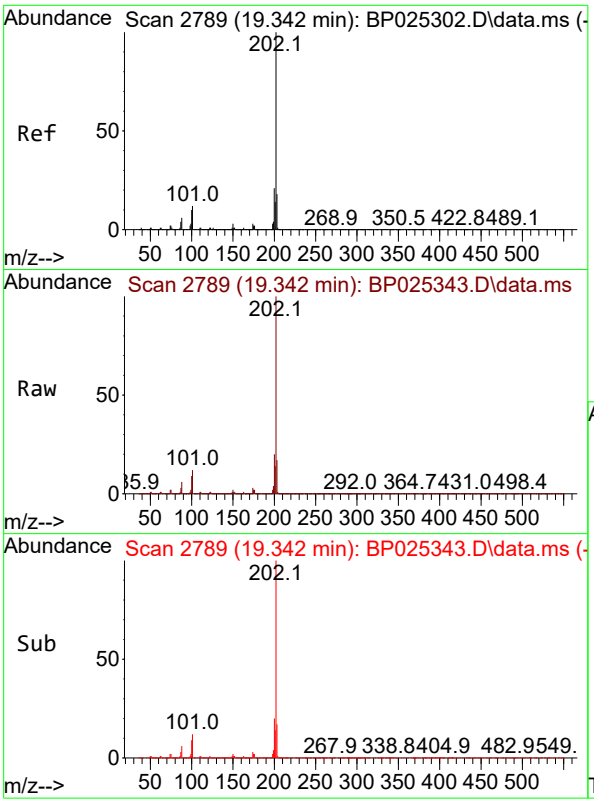


#74
Di-n-butylphthalate
Concen: 41.782 ng
RT: 18.248 min Scan# 2603
Delta R.T. 0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:149 Resp: 2910329

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.5	4.1	6.1

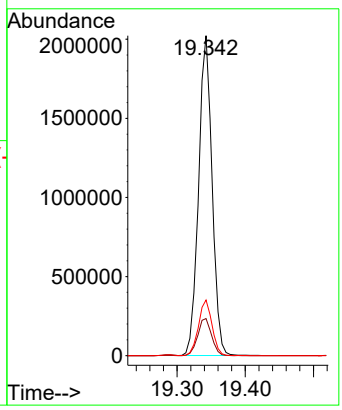




#75
Fluoranthene
Concen: 40.322 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:202 Resp: 2776749

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.5
203	17.4	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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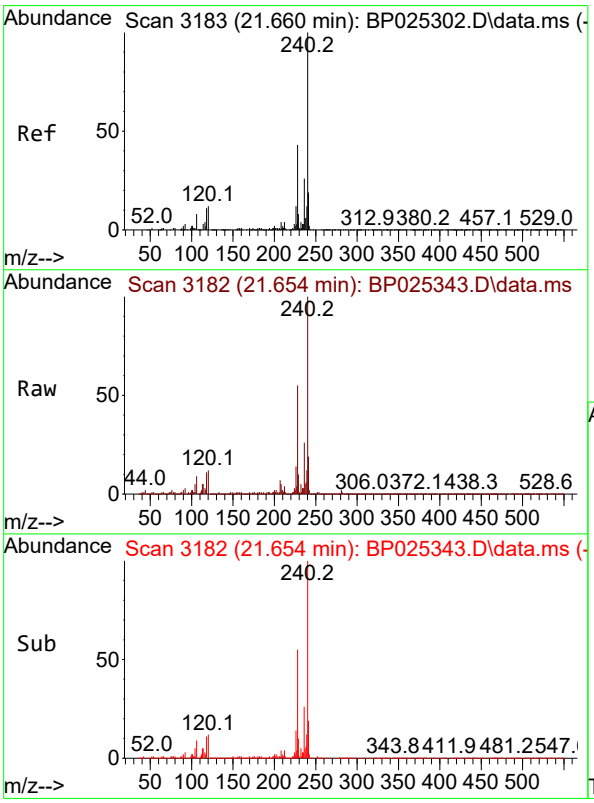
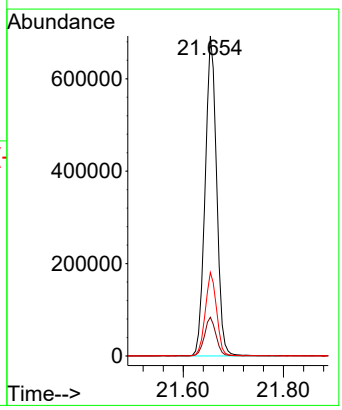
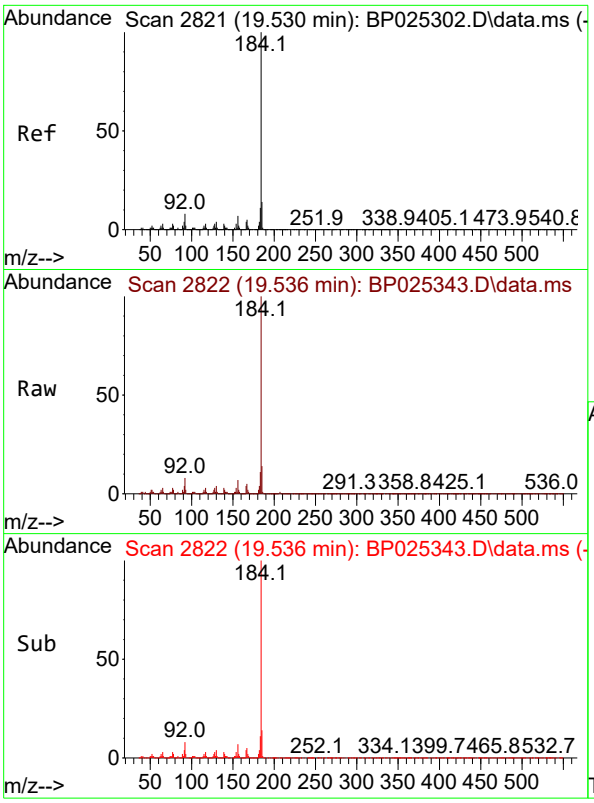


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:240 Resp: 1099613

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.6	14.4
236	26.1	20.4	30.6

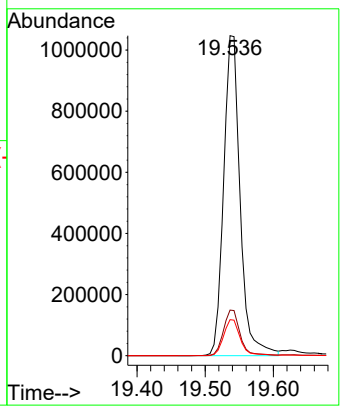




#77
Benzidine
Concen: 44.264 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:184 Resp: 176168

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.0	16.6
183	11.2	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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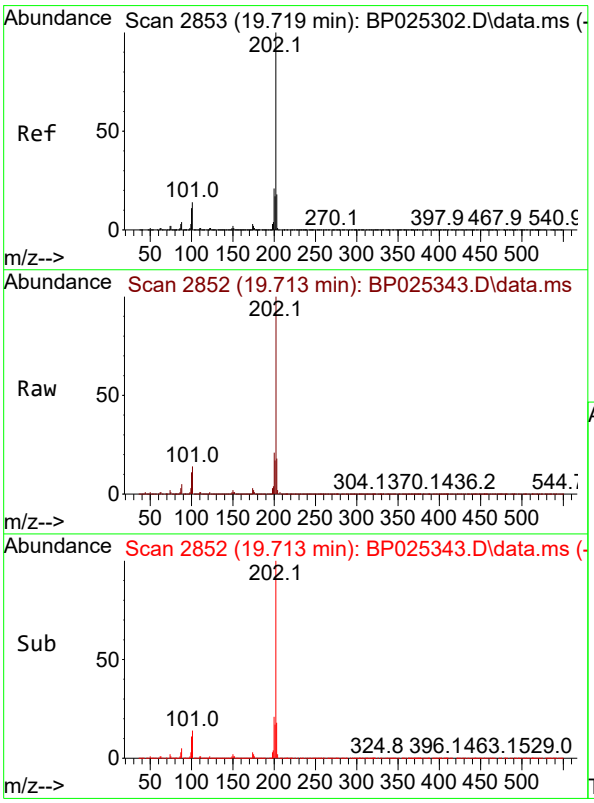
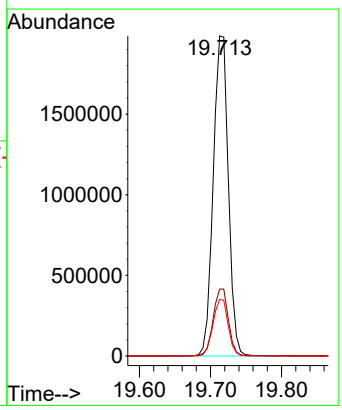
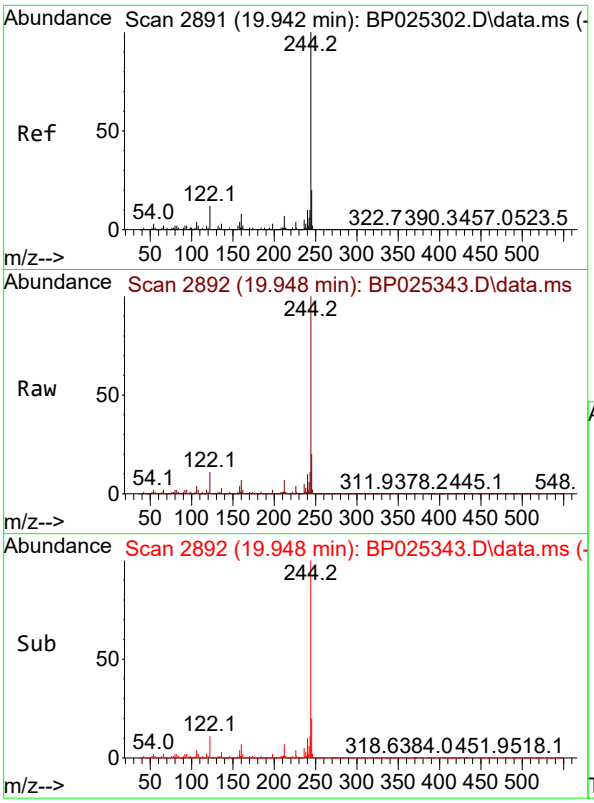


#78
Pyrene
Concen: 39.896 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:202 Resp: 2917301

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.7	14.1	21.1

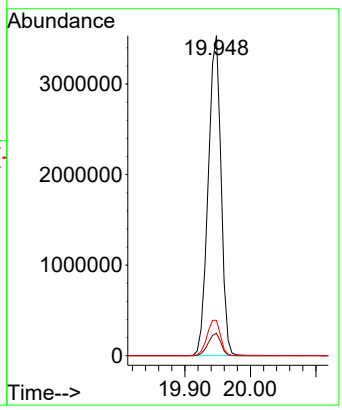




#79
Terphenyl-d14
Concen: 82.508 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:244 Resp: 480344

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.0	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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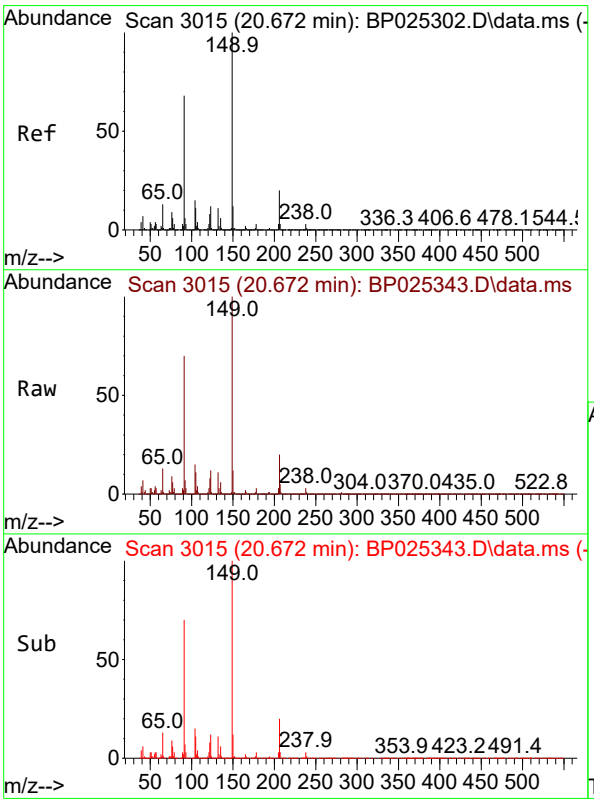
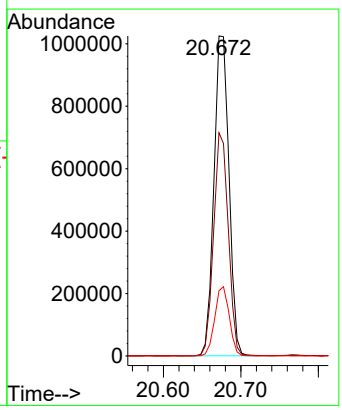
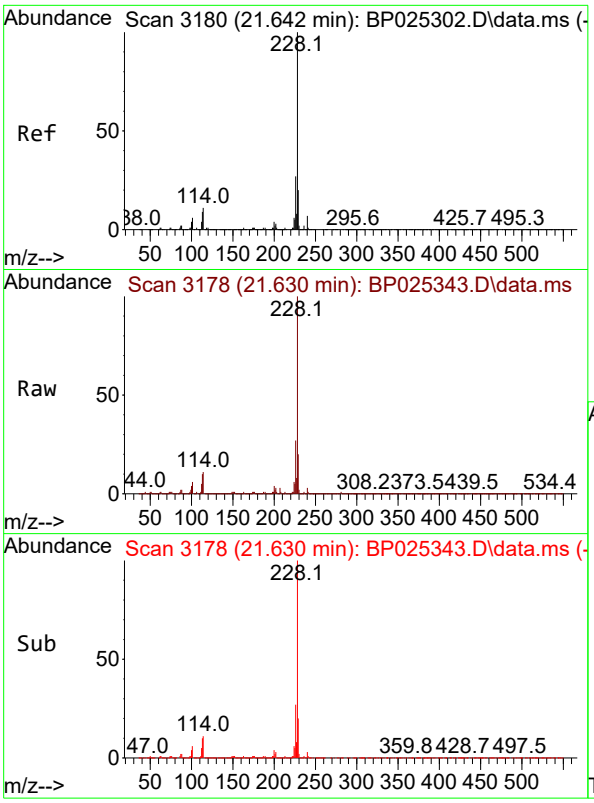


#80
Butylbenzylphthalate
Concen: 46.590 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:149 Resp: 1381650

Ion	Ratio	Lower	Upper
149	100		
91	69.7	54.7	82.1
206	20.4	16.4	24.6

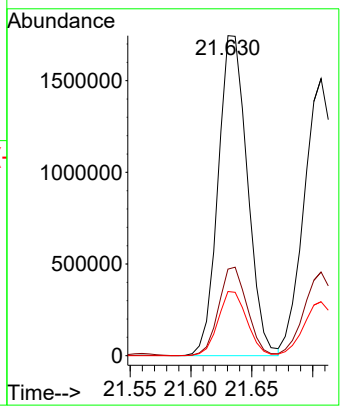




#81
Benzo(a)anthracene
Concen: 39.997 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:228 Resp: 292268

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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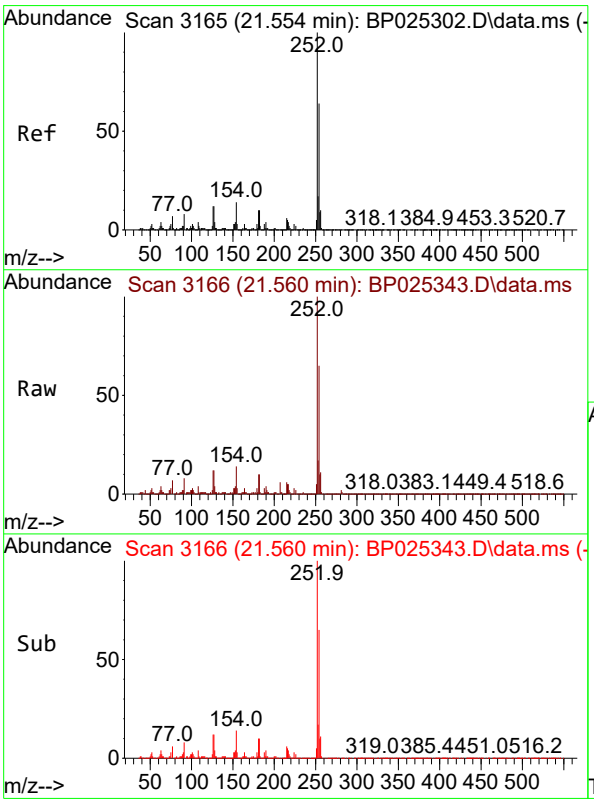
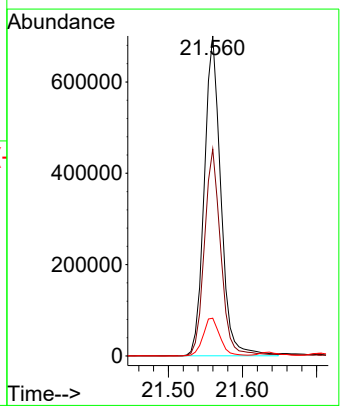
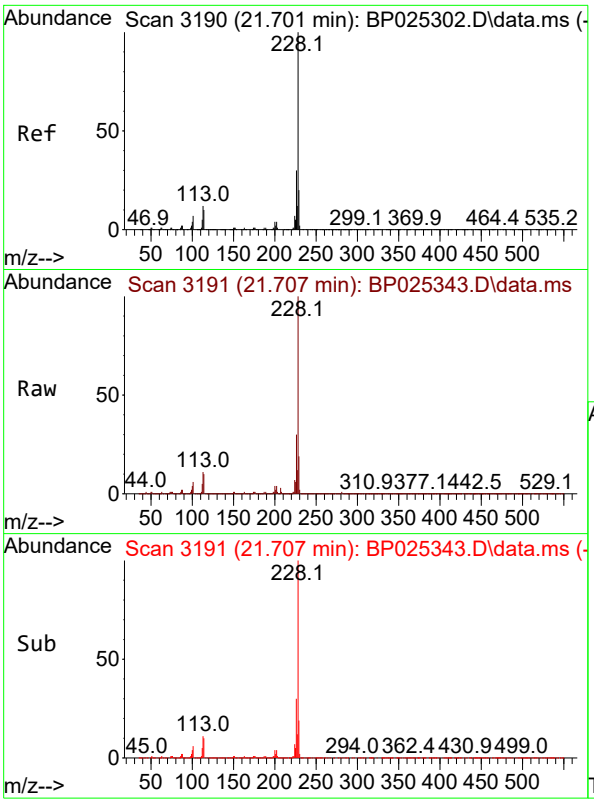


#82
3,3'-Dichlorobenzidine
Concen: 42.261 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:252 Resp: 1089544

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.6
126	11.8	9.4	14.2

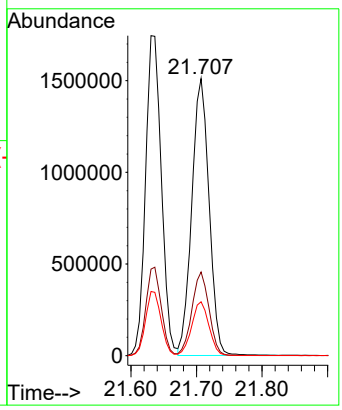




#83
Chrysene
Concen: 40.942 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:228 Resp: 277483

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	19.4	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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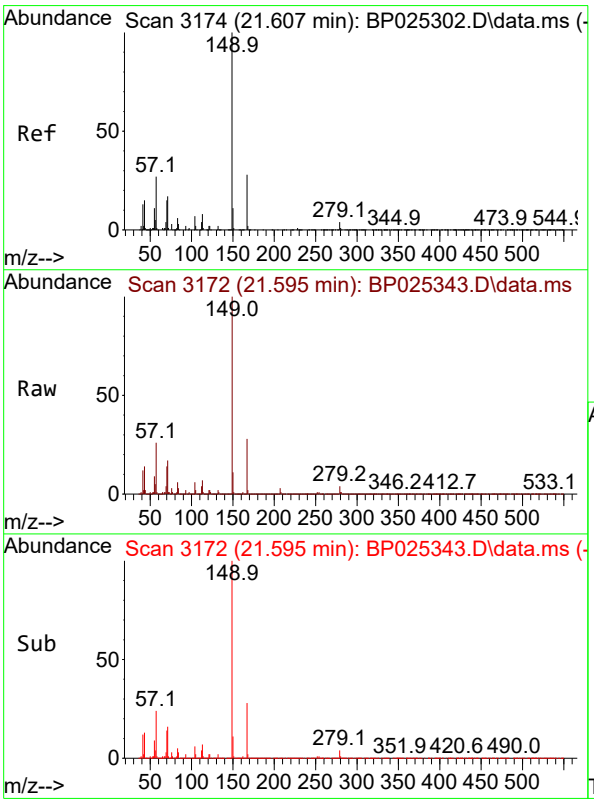
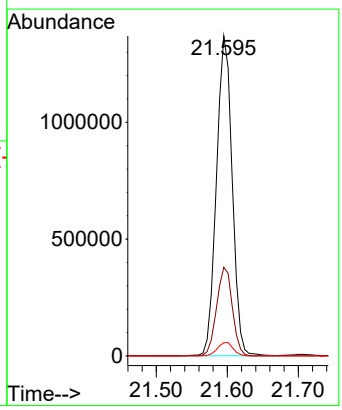
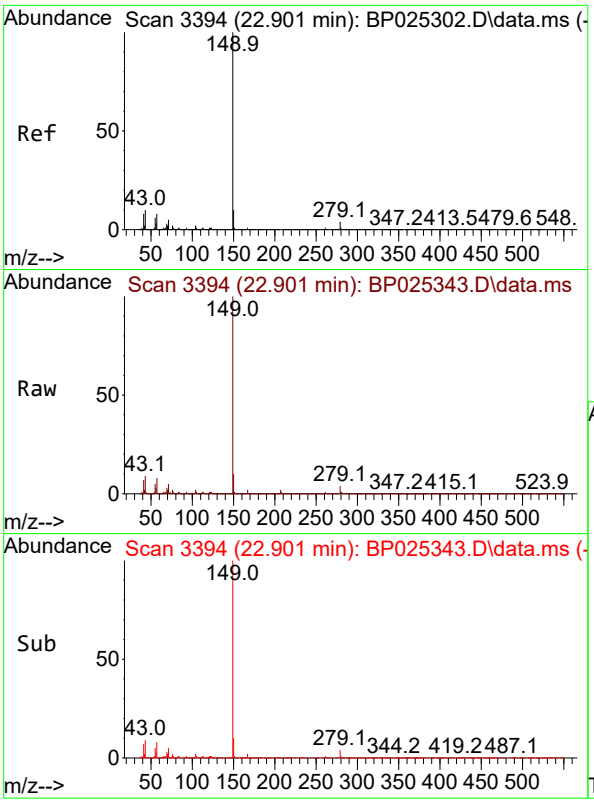


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.352 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:149 Resp: 2100204

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.1	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 45.673 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:149 Resp: 362005

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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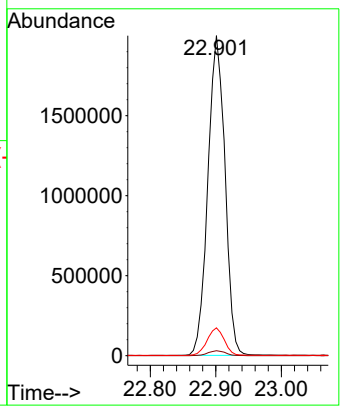
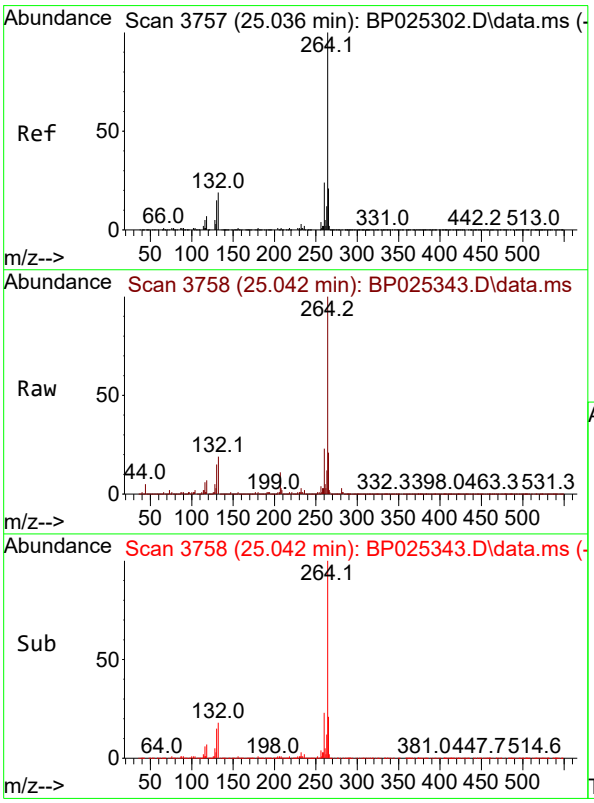
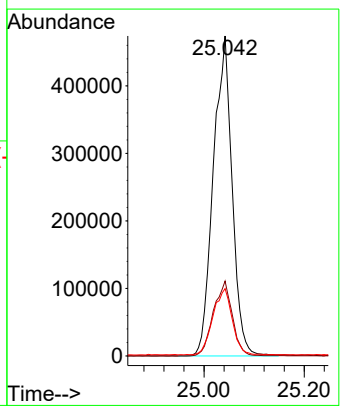


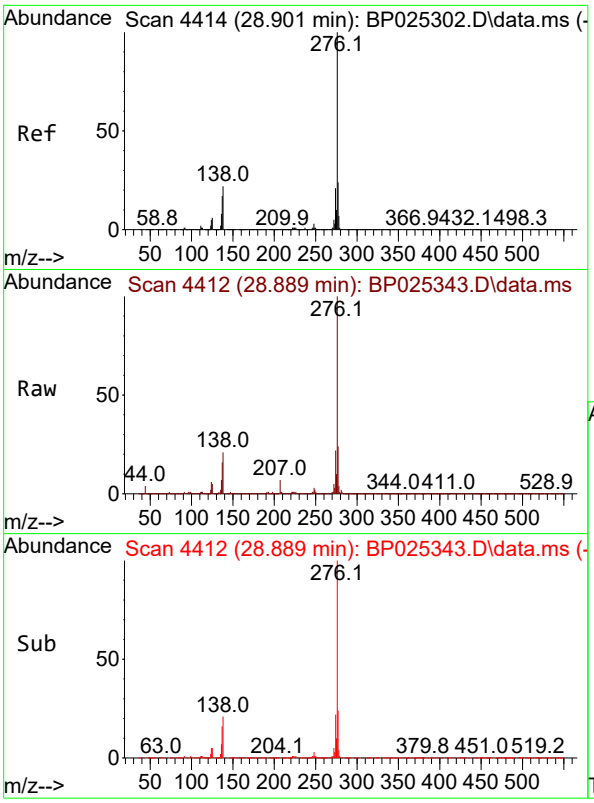


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:264 Resp: 1235980

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.1	25.7

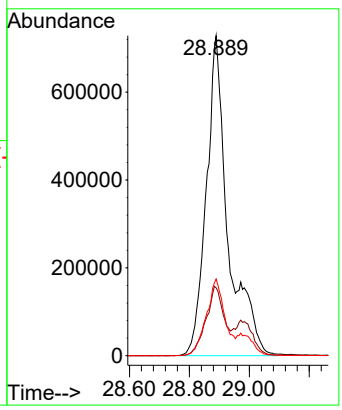




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.434 ng m
RT: 28.889 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:276 Resp: 367061

Ion	Ratio	Lower	Upper
276	100		
138	17.8	14.6	22.0
277	20.4	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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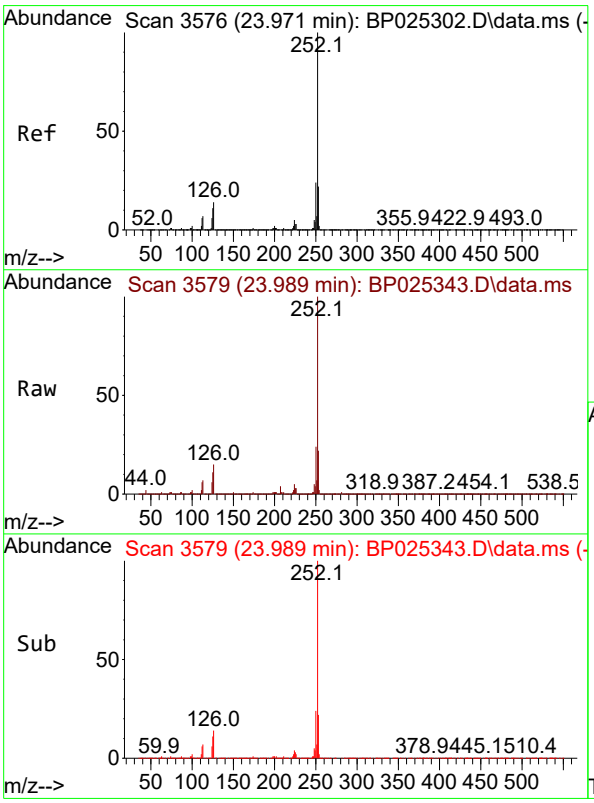
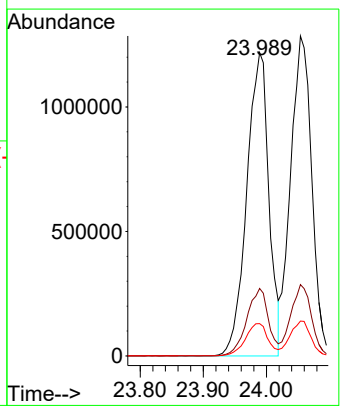
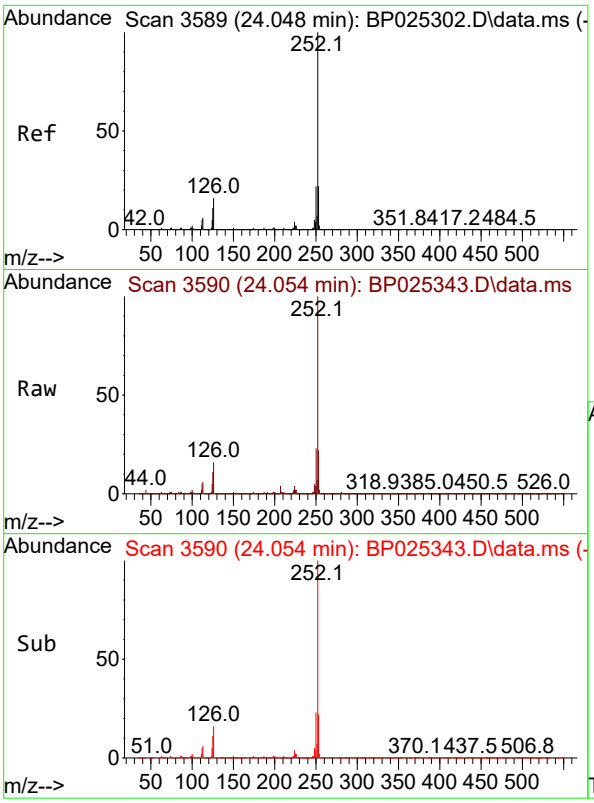


#88
Benzo(b)fluoranthene
Concen: 40.105 ng
RT: 23.989 min Scan# 3579
Delta R.T. 0.018 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:252 Resp: 2967263

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.7	8.5	12.7





#89
Benzo(k)fluoranthene
Concen: 40.646 ng
RT: 24.054 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

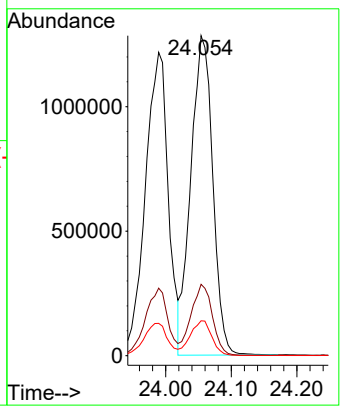
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

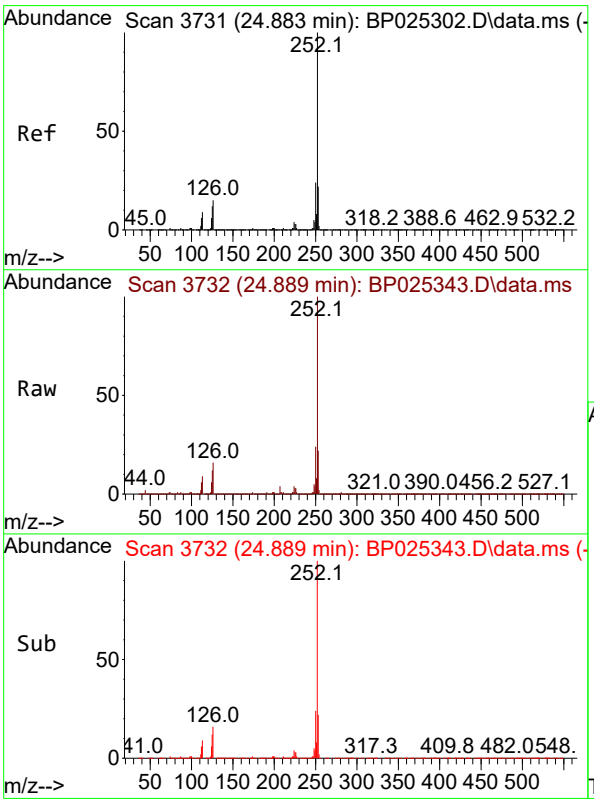
Tgt Ion:252 Resp: 298120

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.9	8.5	12.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

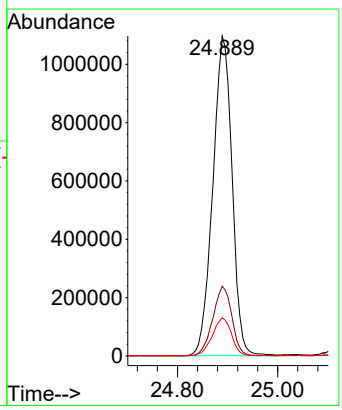


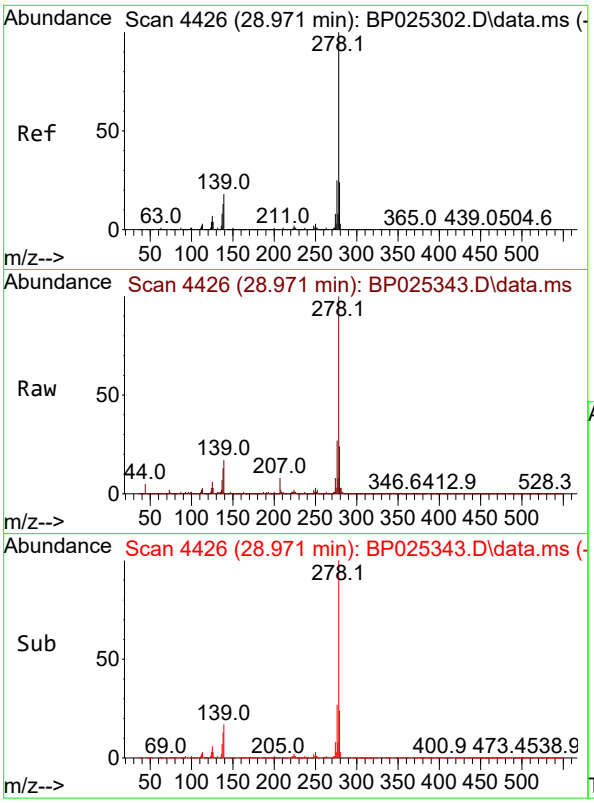


#90
Benzo(a)pyrene
Concen: 41.049 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:252 Resp: 2924780

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	12.0	9.4	14.0

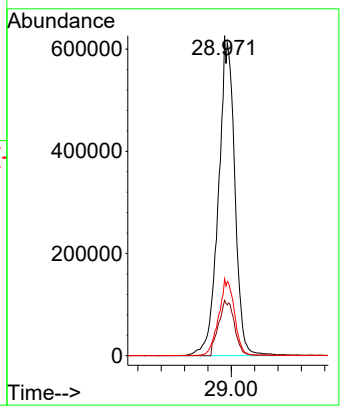




#91
Dibenzo(a,h)anthracene
Concen: 41.711 ng
RT: 28.971 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:278 Resp: 302631

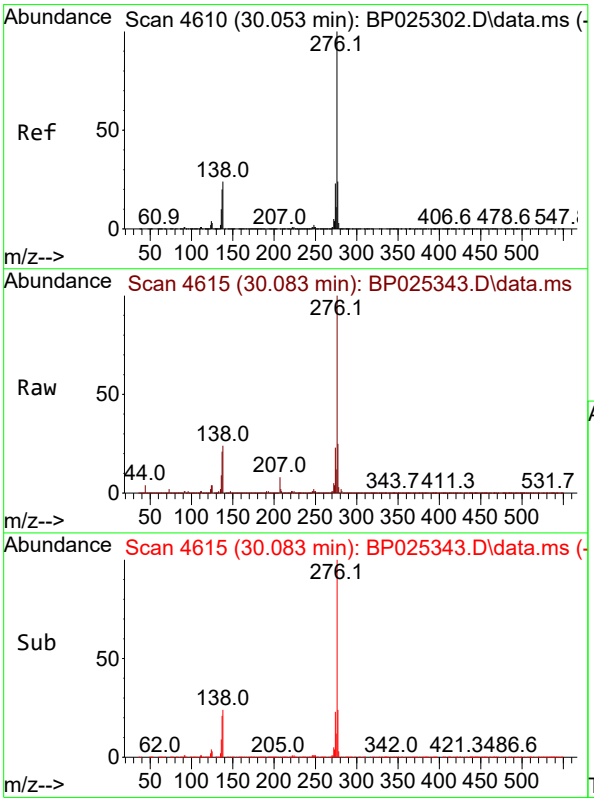
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.6	22.0
279	24.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

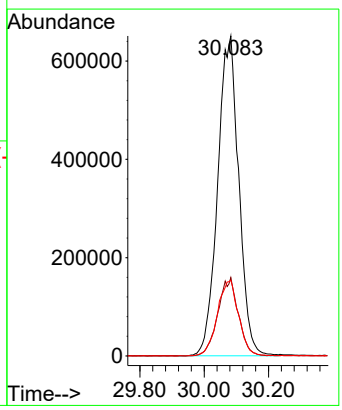
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#92
Benzo(g,h,i)perylene
Concen: 41.661 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025343.D
Acq: 11 Aug 2025 11:08

Tgt Ion:276 Resp: 2966546

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	23.6	19.1	28.7



Sample Results: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	107	0.00
2		1,4-Dioxane	0.491	0.501	-2.0	112	0.00
3		Pyridine	1.363	1.312	3.7	105	0.00
4		n-Nitrosodimethylamine	0.633	0.544	14.1	95	0.00
5	S	2-Fluorophenol	1.244	1.237	0.6	108	0.00
6		Aniline	2.247	2.062	8.2	100	0.00
7	S	Phenol-d6	1.637	1.492	8.9	98	0.00
8		2-Chlorophenol	1.361	1.339	1.6	106	0.00
9		Benzaldehyde	1.162	1.236	-6.4	95	0.00
10	C	Phenol	1.751	1.572	10.2	97	0.00
11		bis(2-Chloroethyl)ether	1.372	1.273	7.2	102	0.00
12		1,3-Dichlorobenzene	1.529	1.525	0.3	111	0.00
13	C	1,4-Dichlorobenzene	1.547	1.539	0.5	109	0.00
14		1,2-Dichlorobenzene	1.499	1.483	1.1	109	0.00
15		Benzyl Alcohol	1.269	1.119	11.8	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.784	17.7	91	0.00
17		2-Methylphenol	1.172	1.079	7.9	98	0.00
18		Hexachloroethane	0.553	0.561	-1.4	111	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	0.972	9.6	97	0.00
20		3+4-Methylphenols	1.613	1.459	9.5	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.502	0.492	2.0	99	0.00
23	S	Nitrobenzene-d5	0.361	0.389	-7.8	103	0.00
24		Nitrobenzene	0.342	0.347	-1.5	100	0.00
25		Isophorone	0.719	0.689	4.2	96	0.00
26	C	2-Nitrophenol	0.126	0.173	-37.3#	134	0.00
27		2,4-Dimethylphenol	0.331	0.312	5.7	96	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.423	3.2	97	0.00
29	C	2,4-Dichlorophenol	0.290	0.299	-3.1	100	0.00
30		1,2,4-Trichlorobenzene	0.320	0.332	-3.8	106	0.00
31		Naphthalene	1.038	1.037	0.1	101	0.00
32		Benzoic acid	0.168	0.215	-28.0#	127	0.00
33		4-Chloroaniline	0.462	0.445	3.7	96	-0.01
34	C	Hexachlorobutadiene	0.184	0.197	-7.1	109	0.00
35		Caprolactam	0.113	0.110	2.7	95	0.01
36	C	4-Chloro-3-methylphenol	0.336	0.332	1.2	97	0.00
37		2-Methylnaphthalene	0.672	0.670	0.3	101	0.00
38		1-Methylnaphthalene	0.701	0.708	-1.0	103	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.575	-5.3	106	0.00
41	P	Hexachlorocyclopentadiene	0.337	0.382	-13.4	116	0.00
42	S	2,4,6-Tribromophenol	0.200	0.238	-19.0	113	0.00
43	C	2,4,6-Trichlorophenol	0.353	0.386	-9.3	106	0.00
44		2,4,5-Trichlorophenol	0.396	0.427	-7.8	104	0.00
45	S	2-Fluorobiphenyl	1.448	1.480	-2.2	103	0.00
46		1,1'-Biphenyl	1.474	1.480	-0.4	103	0.00
47		2-Chloronaphthalene	1.124	1.149	-2.2	105	0.00

Sample Results: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	0.288	0.328	-13.9	108	-0.01
49		Acenaphthylene	1.876	1.878	-0.1	101	-0.01
50		Dimethylphthalate	1.458	1.445	0.9	102	0.00
51		2,6-Dinitrotoluene	0.269	0.307	-14.1	108	0.00
52	C	Acenaphthene	1.144	1.181	-3.2	107	-0.01
53		3-Nitroaniline	0.315	0.361	-14.6	109	0.00
54	P	2,4-Dinitrophenol	0.105	0.147	-40.0#	155#	0.00
55		Dibenzofuran	1.710	1.742	-1.9	104	-0.01
56	P	4-Nitrophenol	0.278	0.276	0.7	98	0.01
57		2,4-Dinitrotoluene	0.359	0.432	-20.3	112	0.00
58		Fluorene	1.343	1.371	-2.1	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.372	-12.4	109	0.00
60		Diethylphthalate	1.470	1.486	-1.1	104	0.00
61		4-Chlorophenyl-phenylether	0.637	0.656	-3.0	105	0.00
62		4-Nitroaniline	0.312	0.359	-15.1	107	0.00
63		Azobenzene	1.366	1.313	3.9	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
65		4,6-Dinitro-2-methylphenol	0.080	0.116	-45.0#	153#	-0.01
66	c	n-Nitrosodiphenylamine	0.609	0.633	-3.9	104	0.00
67		4-Bromophenyl-phenylether	0.201	0.212	-5.5	106	0.00
68		Hexachlorobenzene	0.226	0.239	-5.8	108	0.00
69		Atrazine	0.214	0.225	-5.1	105	0.00
70	C	Pentachlorophenol	0.144	0.160	-11.1	110	0.00
71		Phenanthrene	1.095	1.120	-2.3	103	0.00
72		Anthracene	1.105	1.143	-3.4	103	0.00
73		Carbazole	1.060	1.079	-1.8	102	0.00
74		Di-n-butylphthalate	1.283	1.340	-4.4	103	0.01
75	C	Fluoranthene	1.268	1.278	-0.8	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.724	0.801	-10.6	83	0.00
78		Pyrene	1.330	1.327	0.2	103	0.00
79	S	Terphenyl-d14	1.059	1.092	-3.1	105	0.00
80		Butylbenzylphthalate	0.539	0.628	-16.5	111	0.00
81		Benzo(a)anthracene	1.329	1.329	0.0	102	-0.01
82		3,3'-Dichlorobenzidine	0.469	0.495	-5.5	105	0.00
83		Chrysene	1.233	1.262	-2.4	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.861	0.955	-10.9	107	-0.01
85	c	Di-n-octyl phthalate	1.442	1.646	-14.1	110	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	1.434	1.485	-3.6	101	-0.01
88		Benzo(b)fluoranthene	1.197	1.200	-0.3	100	0.02
89		Benzo(k)fluoranthene	1.187	1.206	-1.6	101	0.00
90	C	Benzo(a)pyrene	1.153	1.183	-2.6	100	0.00
91		Dibenzo(a,h)anthracene	1.174	1.224	-4.3	101	0.00
92		Benzo(g,h,i)perylene	1.152	1.200	-4.2	102	0.03

Sample Results: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	107	0.00
2		1,4-Dioxane	40.000	40.837	-2.1	112	0.00
3		Pyridine	40.000	38.493	3.8	105	0.00
4		n-Nitrosodimethylamine	40.000	34.374	14.1	95	0.00
5	S	2-Fluorophenol	80.000	79.575	0.5	108	0.00
6		Aniline	40.000	36.719	8.2	100	0.00
7	S	Phenol-d6	80.000	72.921	8.8	98	0.00
8		2-Chlorophenol	40.000	39.345	1.6	106	0.00
9		Benzaldehyde	40.000	42.522	-6.3	95	0.00
10	C	Phenol	40.000	35.920	10.2	97	0.00
11		bis(2-Chloroethyl)ether	40.000	37.122	7.2	102	0.00
12		1,3-Dichlorobenzene	40.000	39.897	0.3	111	0.00
13	C	1,4-Dichlorobenzene	40.000	39.793	0.5	109	0.00
14		1,2-Dichlorobenzene	40.000	39.578	1.1	109	0.00
15		Benzyl Alcohol	40.000	35.291	11.8	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	32.919	17.7	91	0.00
17		2-Methylphenol	40.000	36.820	7.9	98	0.00
18		Hexachloroethane	40.000	40.571	-1.4	111	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.175	9.6	97	0.00
20		3+4-Methylphenols	40.000	36.176	9.6	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	39.192	2.0	99	0.00
23	S	Nitrobenzene-d5	80.000	86.192	-7.7	103	0.00
24		Nitrobenzene	40.000	40.670	-1.7	100	0.00
25		Isophorone	40.000	38.366	4.1	96	0.00
26	C	2-Nitrophenol	40.000	46.643	-16.6	134	0.00
27		2,4-Dimethylphenol	40.000	37.721	5.7	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.663	3.3	97	0.00
29	C	2,4-Dichlorophenol	40.000	41.201	-3.0	100	0.00
30		1,2,4-Trichlorobenzene	40.000	41.546	-3.9	106	0.00
31		Naphthalene	40.000	39.957	0.1	101	0.00
32		Benzoic acid	40.000	46.273	-15.7	127	0.00
33		4-Chloroaniline	40.000	38.525	3.7	96	-0.01
34	C	Hexachlorobutadiene	40.000	42.873	-7.2	109	0.00
35		Caprolactam	40.000	39.027	2.4	95	0.01
36	C	4-Chloro-3-methylphenol	40.000	39.535	1.2	97	0.00
37		2-Methylnaphthalene	40.000	39.881	0.3	101	0.00
38		1-Methylnaphthalene	40.000	40.414	-1.0	103	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.118	-5.3	106	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.304	-13.3	116	0.00
42	S	2,4,6-Tribromophenol	80.000	95.603	-19.5	113	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.736	-9.3	106	0.00
44		2,4,5-Trichlorophenol	40.000	43.131	-7.8	104	0.00
45	S	2-Fluorobiphenyl	80.000	81.789	-2.2	103	0.00
46		1,1'-Biphenyl	40.000	40.176	-0.4	103	0.00
47		2-Chloronaphthalene	40.000	40.857	-2.1	105	0.00

Sample Results: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	40.385	-1.0	108	-0.01
49		Acenaphthylene	40.000	40.051	-0.1	101	-0.01
50		Dimethylphthalate	40.000	39.633	0.9	102	0.00
51		2,6-Dinitrotoluene	40.000	45.646	-14.1	108	0.00
52	C	Acenaphthene	40.000	41.283	-3.2	107	-0.01
53		3-Nitroaniline	40.000	45.838	-14.6	109	0.00
54	P	2,4-Dinitrophenol	40.000	50.859	-27.1#	155	0.00
55		Dibenzofuran	40.000	40.746	-1.9	104	-0.01
56	P	4-Nitrophenol	40.000	39.715	0.7	98	0.01
57		2,4-Dinitrotoluene	40.000	41.915	-4.8	112	0.00
58		Fluorene	40.000	40.836	-2.1	105	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.958	-12.4	109	0.00
60		Diethylphthalate	40.000	40.427	-1.1	104	0.00
61		4-Chlorophenyl-phenylether	40.000	41.227	-3.1	105	0.00
62		4-Nitroaniline	40.000	46.001	-15.0	107	0.00
63		Azobenzene	40.000	38.459	3.9	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	99	0.00
65		4,6-Dinitro-2-methylphenol	40.000	51.208	-28.0#	153	-0.01
66	c	n-Nitrosodiphenylamine	40.000	41.592	-4.0	104	0.00
67		4-Bromophenyl-phenylether	40.000	42.229	-5.6	106	0.00
68		Hexachlorobenzene	40.000	42.370	-5.9	108	0.00
69		Atrazine	40.000	42.051	-5.1	105	0.00
70	C	Pentachlorophenol	40.000	44.579	-11.4	110	0.00
71		Phenanthrene	40.000	40.897	-2.2	103	0.00
72		Anthracene	40.000	41.382	-3.5	103	0.00
73		Carbazole	40.000	40.718	-1.8	102	0.00
74		Di-n-butylphthalate	40.000	41.782	-4.5	103	0.01
75	C	Fluoranthene	40.000	40.322	-0.8	101	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	44.264	-10.7	83	0.00
78		Pyrene	40.000	39.896	0.3	103	0.00
79	S	Terphenyl-d14	80.000	82.508	-3.1	105	0.00
80		Butylbenzylphthalate	40.000	46.590	-16.5	111	0.00
81		Benzo(a)anthracene	40.000	39.997	0.0	102	-0.01
82		3,3'-Dichlorobenzidine	40.000	42.261	-5.7	105	0.00
83		Chrysene	40.000	40.942	-2.4	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.352	-10.9	107	-0.01
85	c	Di-n-octyl phthalate	40.000	45.673	-14.2	110	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.434	-3.6	101	-0.01
88		Benzo(b)fluoranthene	40.000	40.105	-0.3	100	0.02
89		Benzo(k)fluoranthene	40.000	40.646	-1.6	101	0.00
90	C	Benzo(a)pyrene	40.000	41.049	-2.6	100	0.00
91		Dibenzo(a,h)anthracene	40.000	41.711	-4.3	101	0.00
92		Benzo(g,h,i)perylene	40.000	41.661	-4.2	102	0.03

Sample Results: **BP025343.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025343.D
Acq On : 11 Aug 2025 11:08
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 11 12:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARAM01

Lab Code: ACE SDG No.: Q2791

Instrument ID: BNA_P Calibration Date/Time: 08/12/2025 10:07

Lab File ID: BP025360.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.363	1.332		-2.3	
2-Fluorophenol	1.244	1.253		0.7	
Phenol-d6	1.637	1.559		-4.8	
1,4-Dichlorobenzene	1.547	1.546		-0.1	20.0
2-Methylphenol	1.172	1.125		-4.0	
3+4-Methylphenols	1.613	1.517		-6.0	
Nitrobenzene-d5	0.361	0.396		9.7	
Hexachloroethane	0.553	0.575		4.0	
Nitrobenzene	0.342	0.354		3.5	
2,4,6-Trichlorophenol	0.353	0.390		10.5	20.0
2-Fluorobiphenyl	1.448	1.461		0.9	
2,4,5-Trichlorophenol	0.396	0.424		7.1	
2,4-Dinitrotoluene	0.359	0.449		25.1	
2,4,6-Tribromophenol	0.200	0.248		24.0	
Hexachlorobenzene	0.226	0.244		8.0	
Pentachlorophenol	0.144	0.156		8.3	20.0
Terphenyl-d14	1.059	1.074		1.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	195999	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	806810	20.000	ng	0.00
39) Acenaphthene-d10	14.431	164	510213	20.000	ng	0.01
64) Phenanthrene-d10	17.225	188	980228	20.000	ng	0.00
76) Chrysene-d12	21.672	240	1004808	20.000	ng	0.01
86) Perylene-d12	25.065	264	1173448	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	982548	80.628	ng	0.00
7) Phenol-d6	6.972	99	1221952	76.191	ng	0.00
23) Nitrobenzene-d5	8.943	82	1278250	87.773	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	505405	99.294	ng	0.01
45) 2-Fluorobiphenyl	13.043	172	2982025	80.727	ng	0.01
79) Terphenyl-d14	19.948	244	4317682	81.161	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	196786	40.920	ng	96
3) Pyridine	3.731	79	522263	39.089	ng	95
4) n-Nitrosodimethylamine	3.637	42	214278	34.545	ng	86
6) Aniline	7.131	93	828914	37.650	ng	97
8) 2-Chlorophenol	7.372	128	541859	40.622	ng	98
9) Benzaldehyde	6.949	77	504529m	44.293	ng	
10) Phenol	6.996	94	638346	37.200	ng	99
11) bis(2-Chloroethyl)ether	7.225	93	507444	37.741	ng	98
12) 1,3-Dichlorobenzene	7.696	146	599776	40.016	ng	99
13) 1,4-Dichlorobenzene	7.831	146	606049	39.967	ng	100
14) 1,2-Dichlorobenzene	8.149	146	582943	39.685	ng	99
15) Benzyl Alcohol	8.031	79	460656	37.054	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	715271	33.676	ng	97
17) 2-Methylphenol	8.231	107	441046	38.411	ng	98
18) Hexachloroethane	8.878	117	225436	41.571	ng	97
19) n-Nitroso-di-n-propyla...	8.596	70	397440	37.717	ng	93
20) 3+4-Methylphenols	8.555	107	594774	37.617	ng	100
22) Acetophenone	8.608	105	818151	40.395	ng	97
24) Nitrobenzene	8.984	77	570928	41.415	ng	97
25) Isophorone	9.507	82	1133598	39.105	ng	100
26) 2-Nitrophenol	9.690	139	294605	48.978	ng	95
27) 2,4-Dimethylphenol	9.749	122	507294	37.957	ng	96
28) bis(2-Chloroethoxy)met...	9.984	93	693183	39.308	ng	99
29) 2,4-Dichlorophenol	10.225	162	486663	41.592	ng	97
30) 1,2,4-Trichlorobenzene	10.437	180	540821	41.895	ng	98
31) Naphthalene	10.625	128	1693306	40.429	ng	99
32) Benzoic acid	9.866	122	353525	46.843	ng	97
33) 4-Chloroaniline	10.725	127	720065	38.655	ng	99
34) Hexachlorobutadiene	10.919	225	322928	43.580	ng	99
35) Caprolactam	11.490	113	180850	39.842	ng	94
36) 4-Chloro-3-methylphenol	11.849	107	542891	40.098	ng	97
37) 2-Methylnaphthalene	12.237	142	1085759	40.051	ng	99
38) 1-Methylnaphthalene	12.449	142	1137953	40.230	ng	99
40) 1,2,4,5-Tetrachloroben...	12.607	216	584136	41.935	ng	99
41) Hexachlorocyclopentadiene	12.590	237	380002	44.201	ng	97
43) 2,4,6-Trichlorophenol	12.837	196	398147	44.246	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.913	196	432915	42.887	ng		98
46) 1,1'-Biphenyl	13.243	154	1513840	40.262	ng		98
47) 2-Chloronaphthalene	13.290	162	1168673	40.740	ng		100
48) 2-Nitroaniline	13.484	65	340186	40.947	ng		93
49) Acenaphthylene	14.148	152	1926679	40.266	ng		100
50) Dimethylphthalate	13.878	163	1485732	39.945	ng		99
51) 2,6-Dinitrotoluene	13.990	165	325633	47.464	ng		91
52) Acenaphthene	14.490	154	1210197	41.464	ng		99
53) 3-Nitroaniline	14.313	138	367478	45.776	ng		96
54) 2,4-Dinitrophenol	14.525	184	151086	51.187	ng	#	52
55) Dibenzofuran	14.831	168	1748610	40.091	ng		99
56) 4-Nitrophenol	14.631	139	275723	38.916	ng		98
57) 2,4-Dinitrotoluene	14.790	165	457773	43.380	ng		97
58) Fluorene	15.495	166	1378667	40.245	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.060	232	373023	44.239	ng		97
60) Diethylphthalate	15.266	149	1496993	39.922	ng		99
61) 4-Chlorophenyl-phenyle...	15.490	204	664819	40.936	ng		99
62) 4-Nitroaniline	15.501	138	362655	45.592	ng		95
63) Azobenzene	15.790	77	1330965	38.207	ng		96
65) 4,6-Dinitro-2-methylph...	15.566	198	239307	53.009	ng		91
66) n-Nitrosodiphenylamine	15.701	169	1251042	41.916	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	426714	43.265	ng		96
68) Hexachlorobenzene	16.519	284	479138	43.296	ng		99
69) Atrazine	16.672	200	448876	42.766	ng		98
70) Pentachlorophenol	16.866	266	304867	43.240	ng		99
71) Phenanthrene	17.266	178	2194412	40.873	ng		100
72) Anthracene	17.360	178	2260955	41.766	ng		100
73) Carbazole	17.642	167	2123650	40.867	ng		99
74) Di-n-butylphthalate	18.236	149	2642646	42.037	ng		99
75) Fluoranthene	19.348	202	2536662	40.815	ng		99
77) Benzidine	19.536	184	1651185	45.402	ng		99
78) Pyrene	19.725	202	2644783	39.582	ng		100
80) Butylbenzylphthalate	20.677	149	1269396	46.843	ng		96
81) Benzo(a)anthracene	21.648	228	2662603	39.876	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	1033776	43.881	ng		98
83) Chrysene	21.719	228	2512356	40.567	ng		99
84) Bis(2-ethylhexyl)phtha...	21.601	149	1913652	44.225	ng		100
85) Di-n-octyl phthalate	22.901	149	3343958	46.170	ng		97
87) Indeno(1,2,3-cd)pyrene	28.924	276	3496889	41.576	ng	#	95
88) Benzo(b)fluoranthene	23.989	252	2785473	39.654	ng		99
89) Benzo(k)fluoranthene	24.066	252	2802794	40.250	ng		99
90) Benzo(a)pyrene	24.913	252	2748346	40.628	ng		99
91) Dibenzo(a,h)anthracene	29.006	278	2869988	41.664	ng		98
92) Benzo(g,h,i)perylene	30.112	276	2780936	41.135	ng		99

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

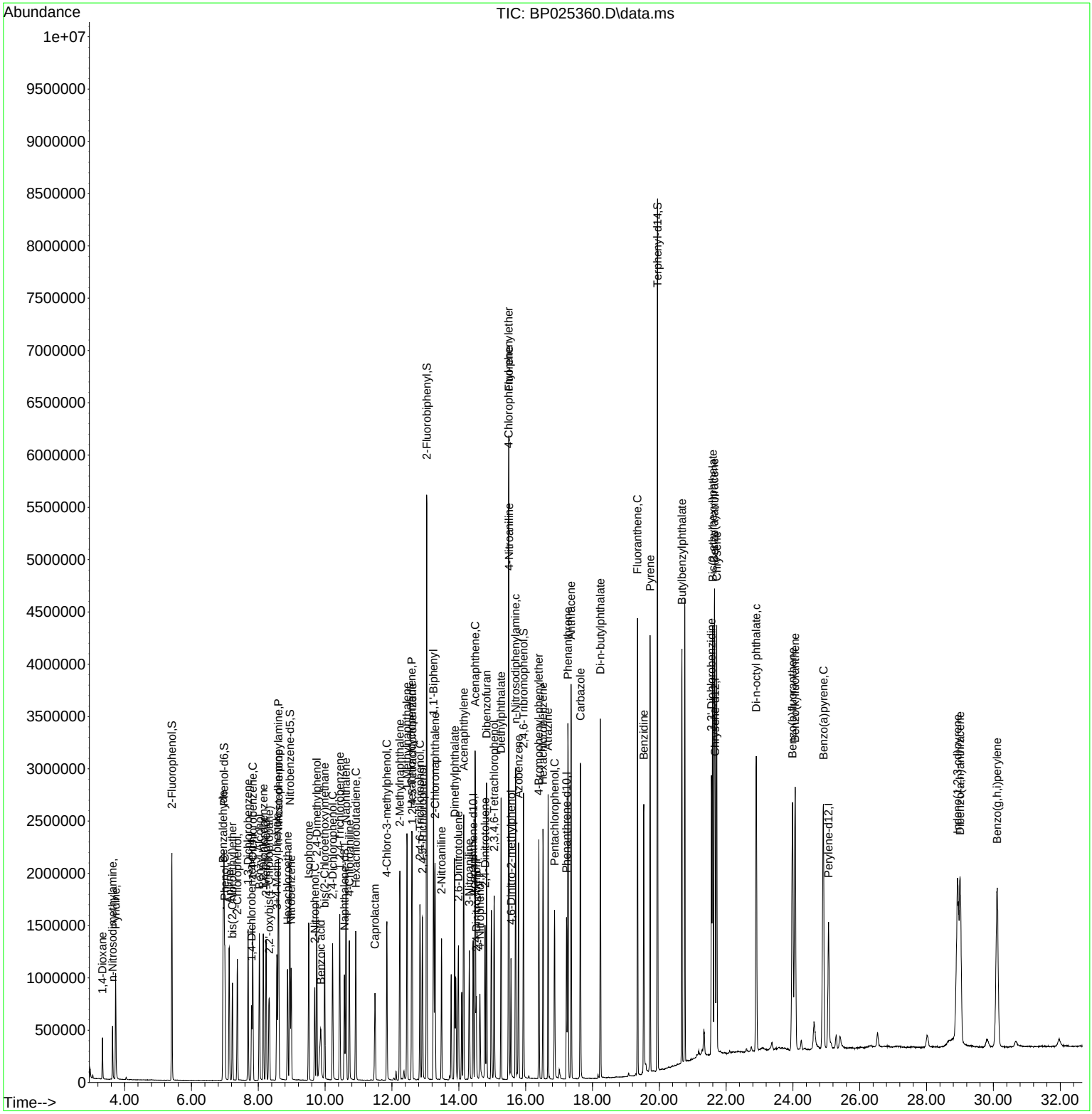
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

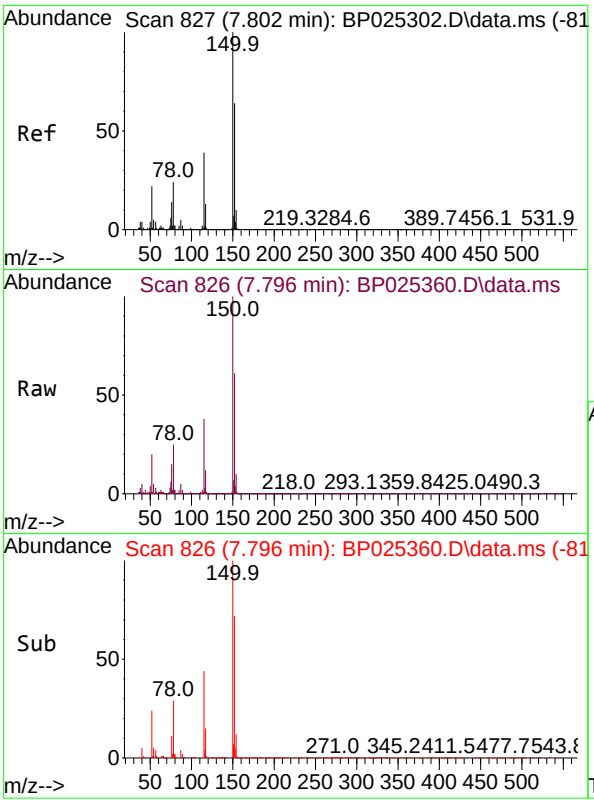
Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

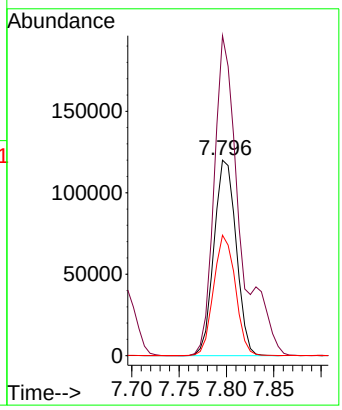




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:152 Resp: 19599

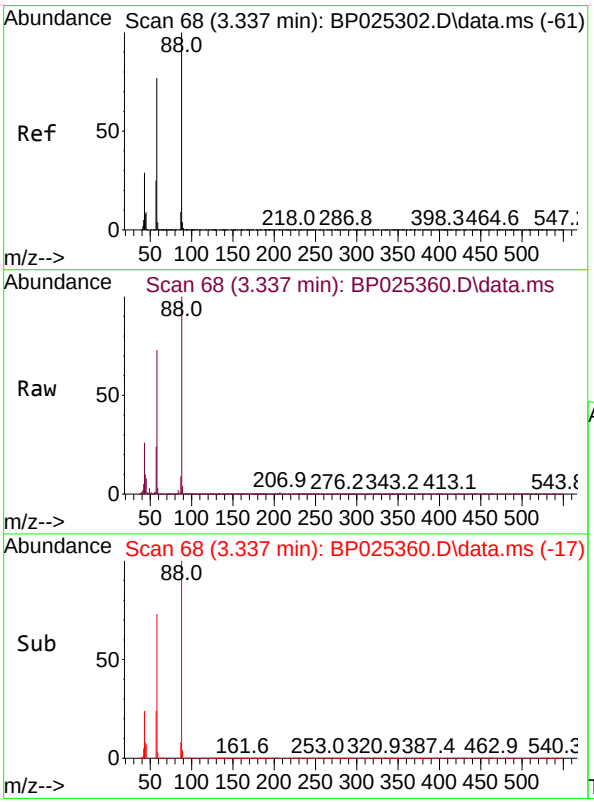
Ion	Ratio	Lower	Upper
152	100		
150	163.6	125.1	187.7
115	61.6	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

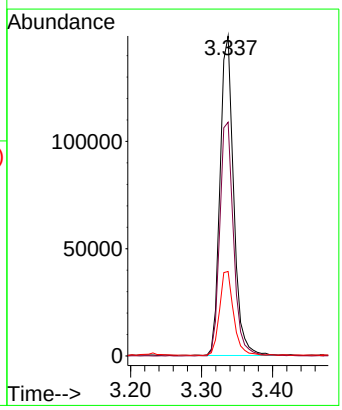
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

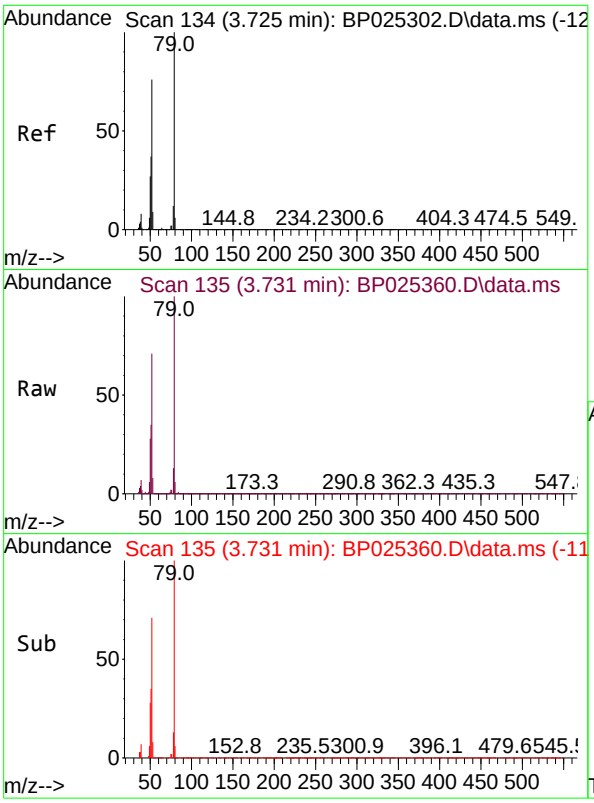


#2
1,4-Dioxane
Concen: 40.920 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 88 Resp: 196786

Ion	Ratio	Lower	Upper
88	100		
58	74.4	61.9	92.9
43	27.1	24.2	36.2

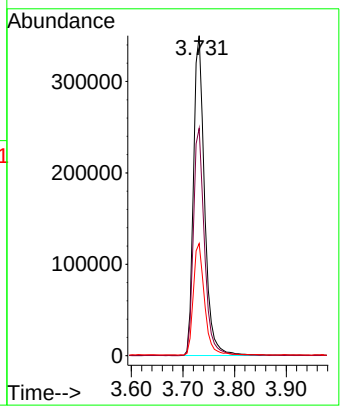




#3
Pyridine
Concen: 39.089 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 79 Resp: 52226

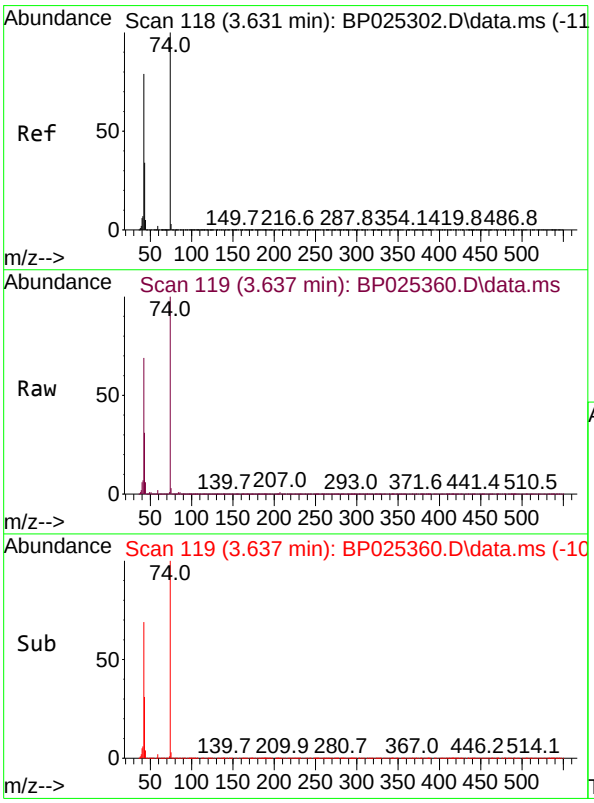
Ion	Ratio	Lower	Upper
79	100		
52	71.0	60.5	90.7
51	35.0	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

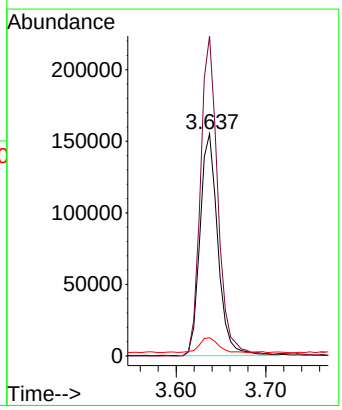
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

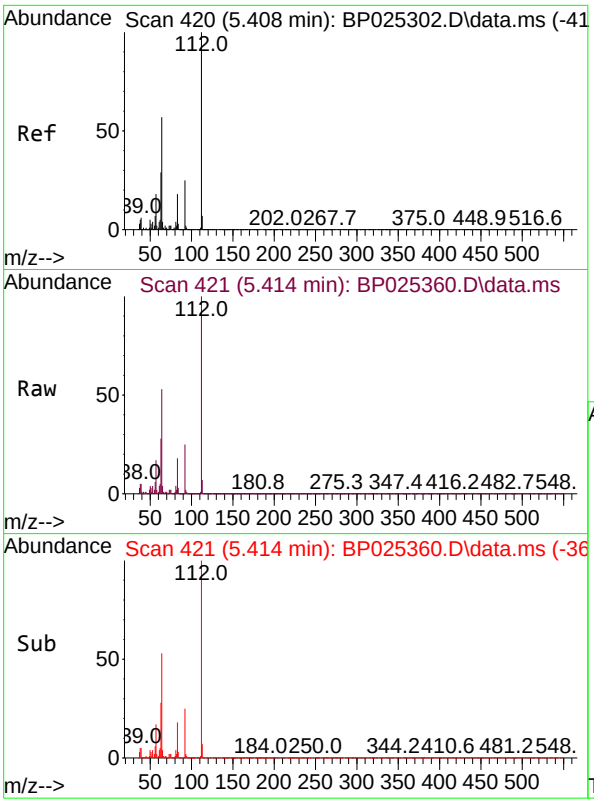


#4
n-Nitrosodimethylamine
Concen: 34.545 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 42 Resp: 214278

Ion	Ratio	Lower	Upper
42	100		
74	144.0	101.4	152.2
44	8.2	7.6	11.4

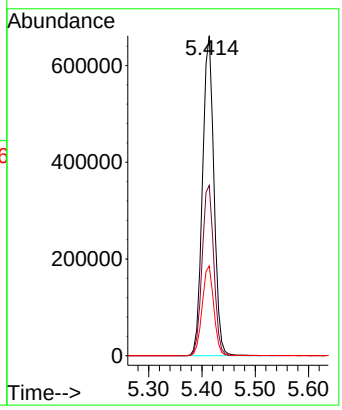




#5
2-Fluorophenol
Concen: 80.628 ng
RT: 5.414 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:112 Resp: 98254

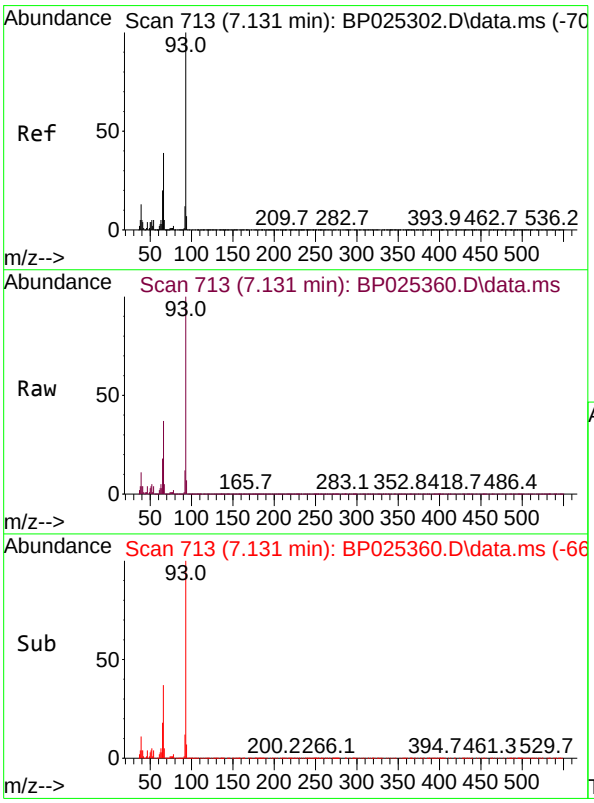
Ion	Ratio	Lower	Upper
112	100		
64	53.2	45.3	67.9
63	28.0	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

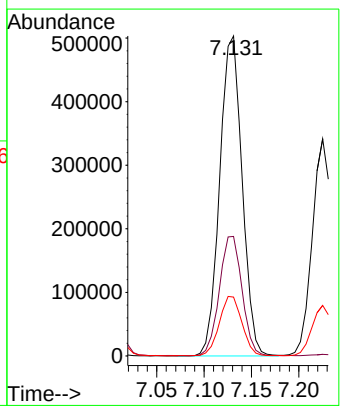
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

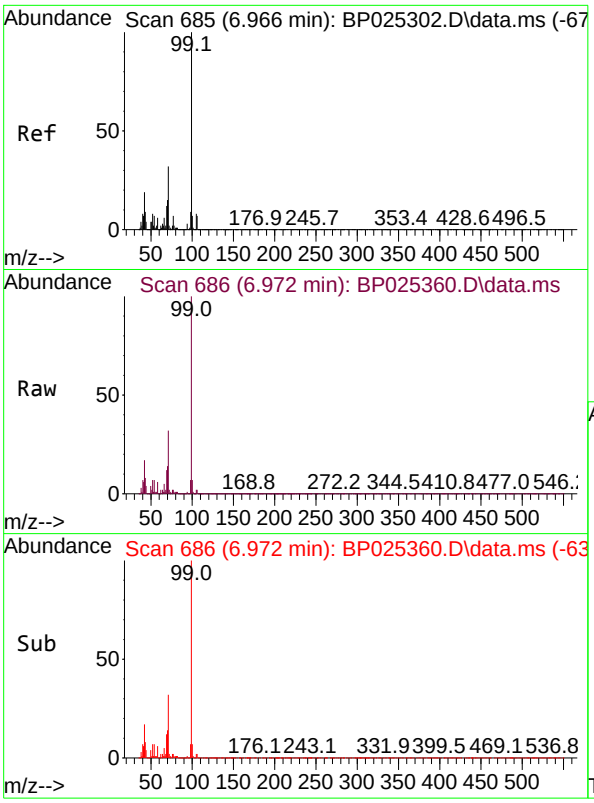


#6
Aniline
Concen: 37.650 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 93 Resp: 828914

Ion	Ratio	Lower	Upper
93	100		
66	37.4	31.1	46.7
65	18.4	15.8	23.8

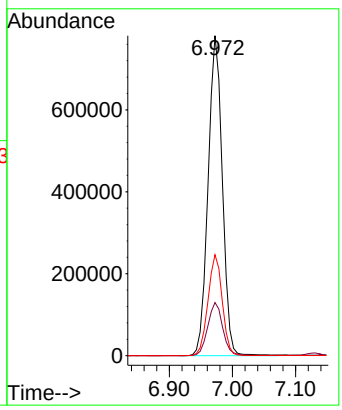




#7
Phenol-d6
Concen: 76.191 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 99 Resp: 122195

Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.0	22.6
71	31.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
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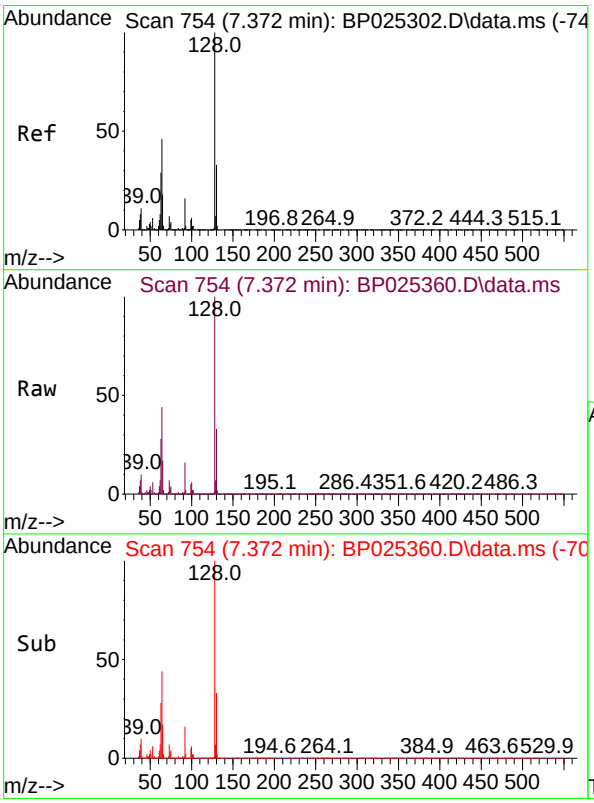
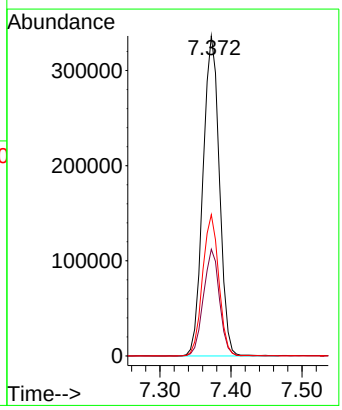
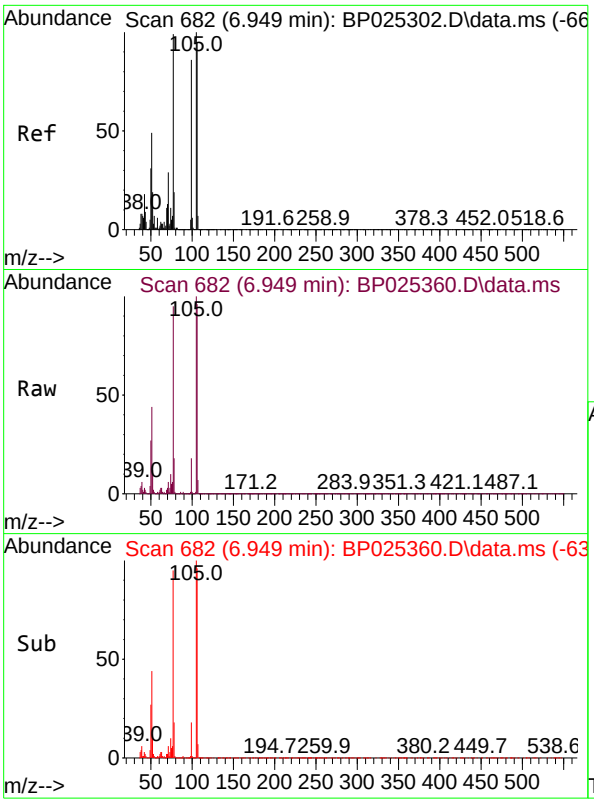


#8
2-Chlorophenol
Concen: 40.622 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:128 Resp: 541859

Ion	Ratio	Lower	Upper
128	100		
130	33.4	13.1	53.1
64	44.2	26.1	66.1

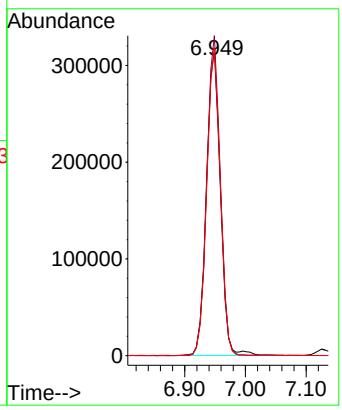




#9
Benzaldehyde
Concen: 44.293 ng m
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 77 Resp: 50452

Ion	Ratio	Lower	Upper
77	100		
105	104.7	81.4	121.4
106	100.8	76.2	116.2



Instrument :
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ClientSampleId :
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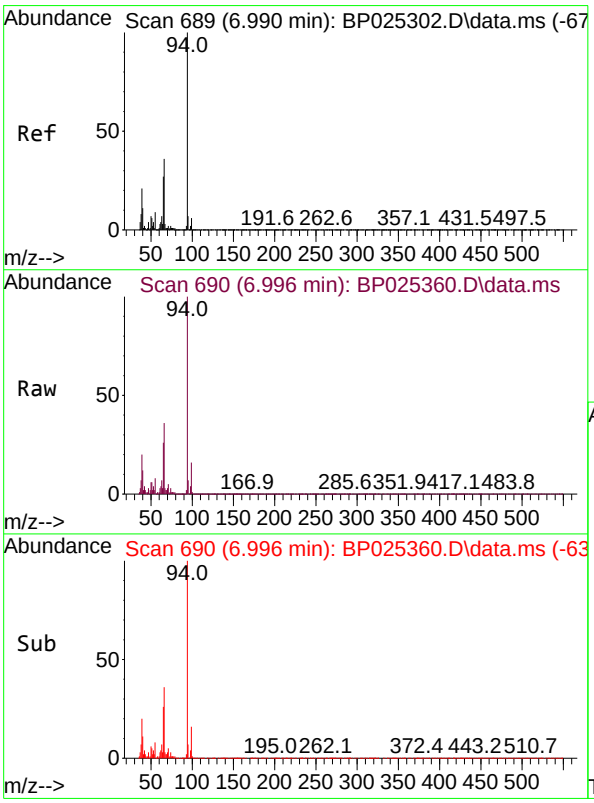
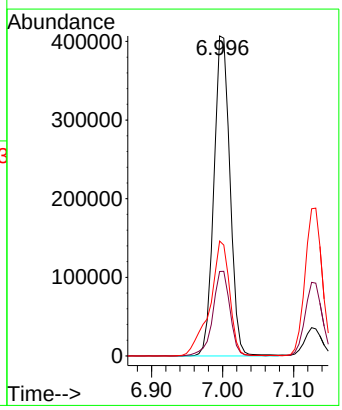
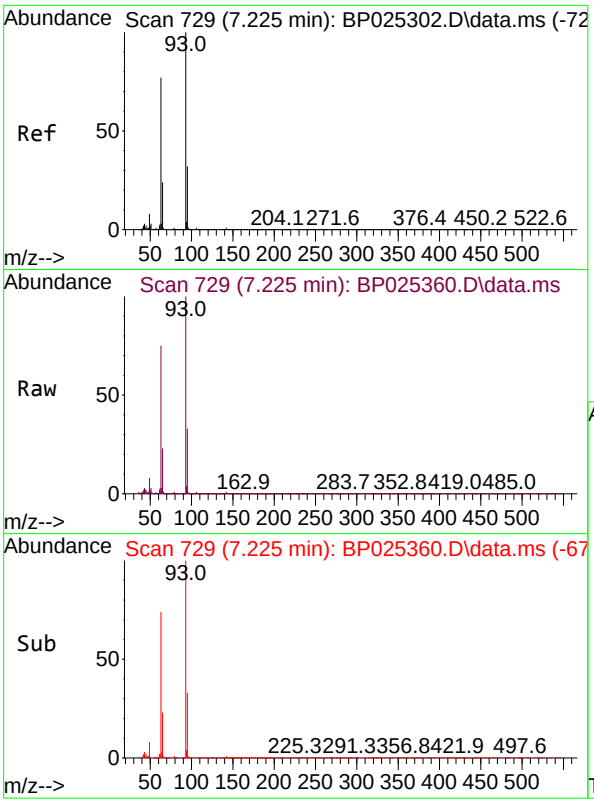


#10
Phenol
Concen: 37.200 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 94 Resp: 638346

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.3	47.3
66	35.9	15.7	55.7

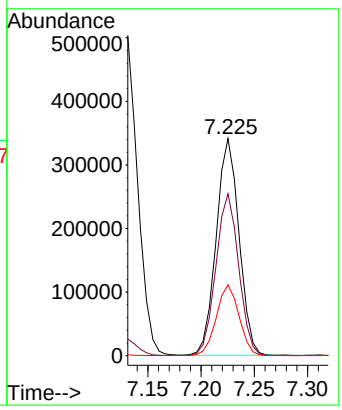




#11
bis(2-Chloroethyl)ether
Concen: 37.741 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 93 Resp: 50744

Ion	Ratio	Lower	Upper
93	100		
63	74.6	57.0	97.0
95	32.7	12.1	52.1



Instrument :
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ClientSampleId :
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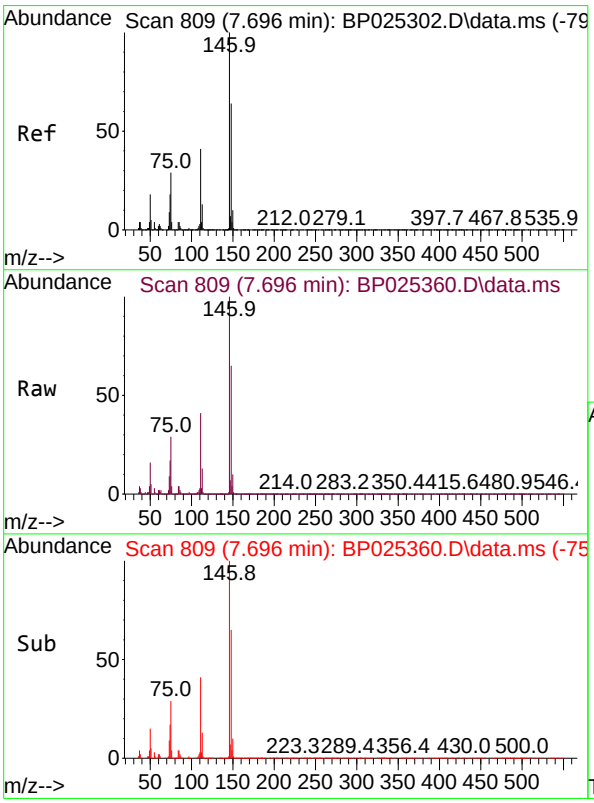
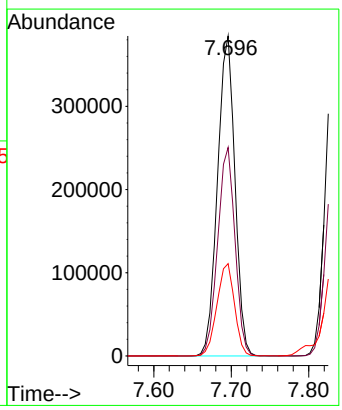
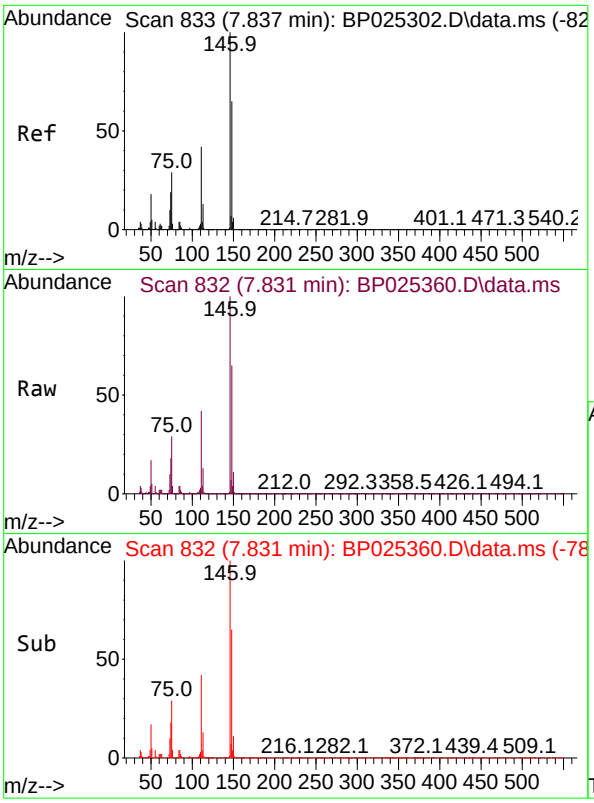


#12
1,3-Dichlorobenzene
Concen: 40.016 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:146 Resp: 599776

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
75	28.8	23.2	34.8





#13
1,4-Dichlorobenzene
Concen: 39.967 ng
RT: 7.831 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:146 Resp: 60604

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.0	78.0
111	41.6	33.2	49.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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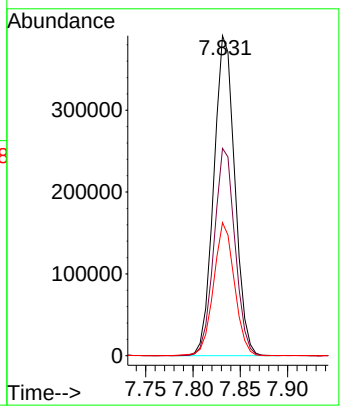
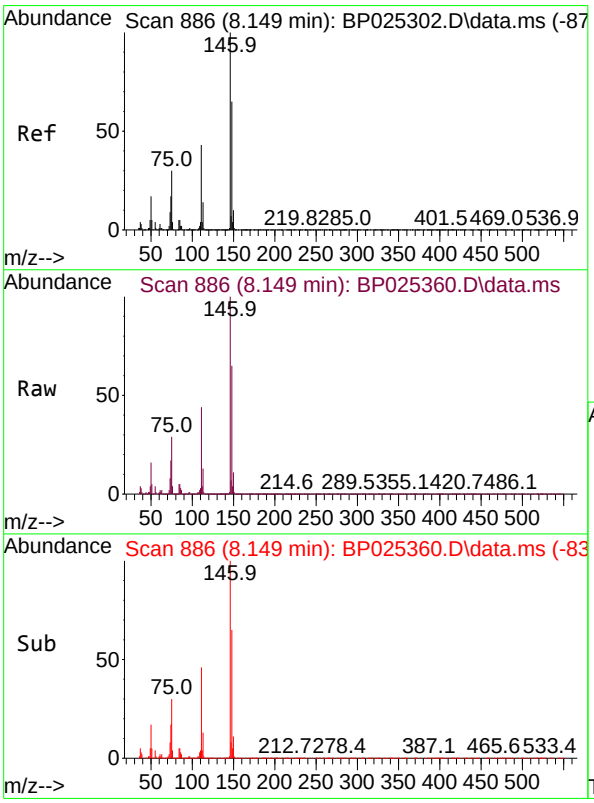
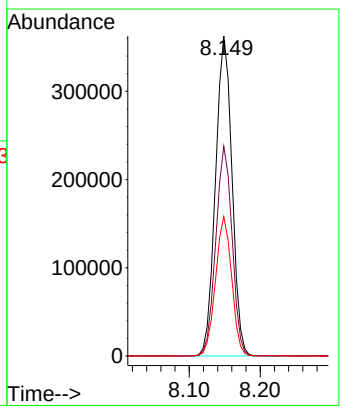


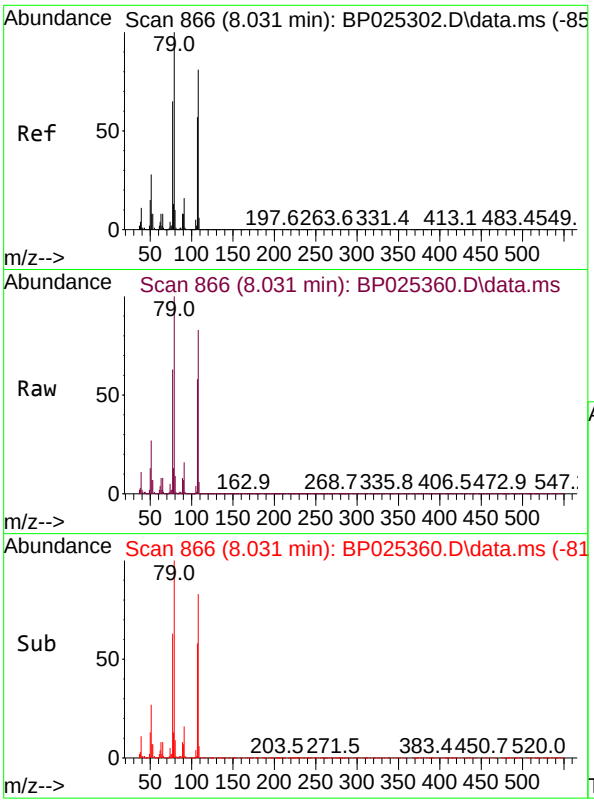


#14
1,2-Dichlorobenzene
Concen: 39.685 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:146 Resp: 582943

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	43.6	34.4	51.6





#15
Benzyl Alcohol
Concen: 37.054 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 46065

Ion	Ratio	Lower	Upper
79	100		
108	82.7	64.5	96.7
77	63.5	51.9	77.9

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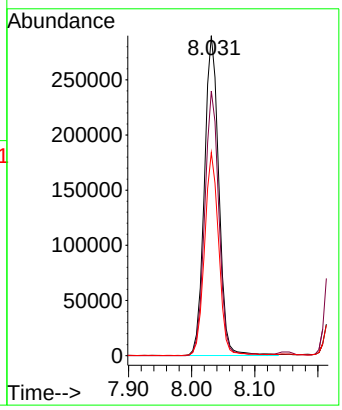
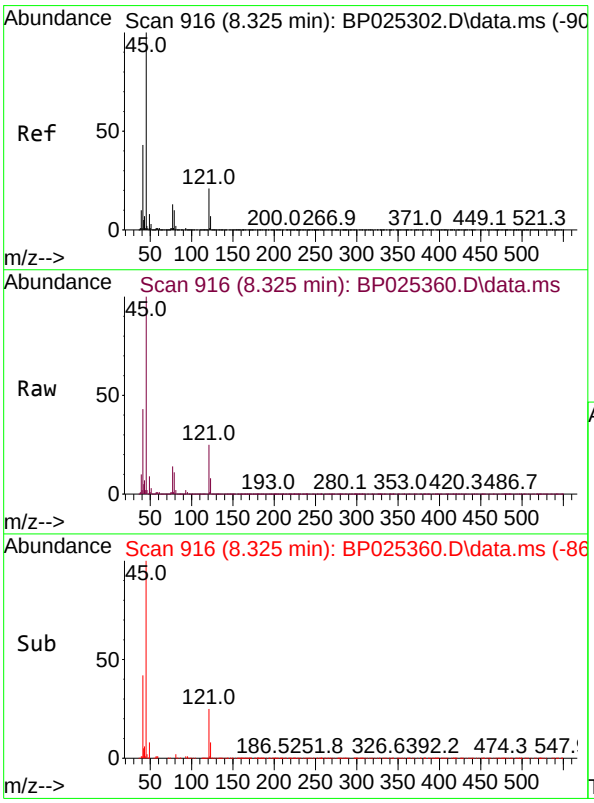
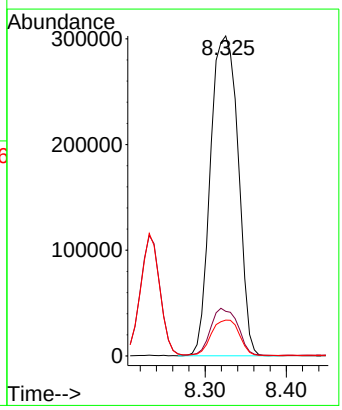


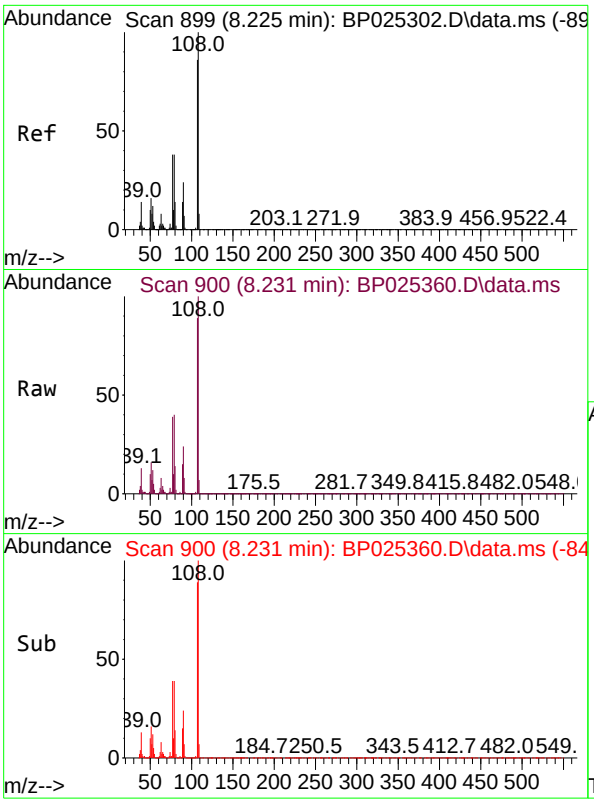


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.676 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 45 Resp: 715271

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	33.0
79	11.2	0.0	29.8

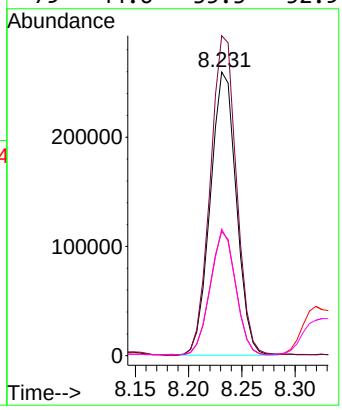




#17
2-Methylphenol
Concen: 38.411 ng
RT: 8.231 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:107 Resp: 44104(

Ion	Ratio	Lower	Upper
107	100		
108	112.8	92.6	139.0
77	43.9	35.4	53.2
79	44.6	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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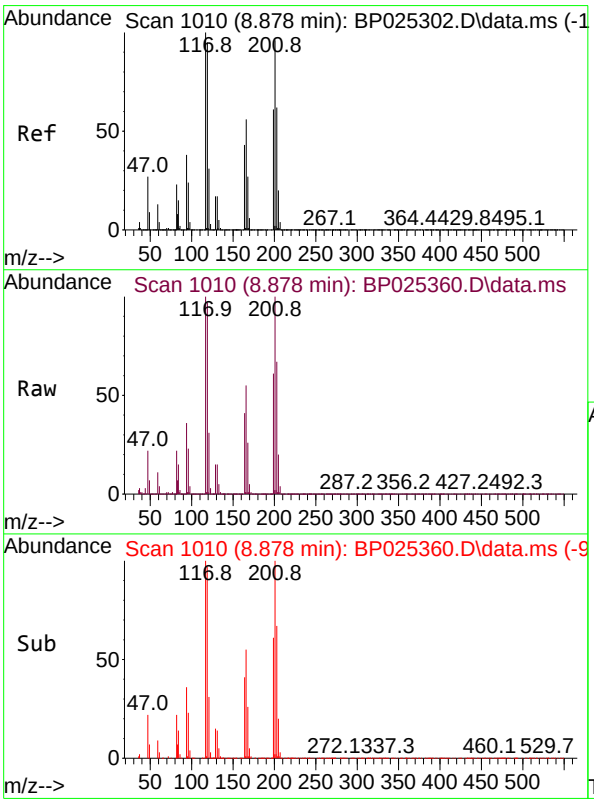
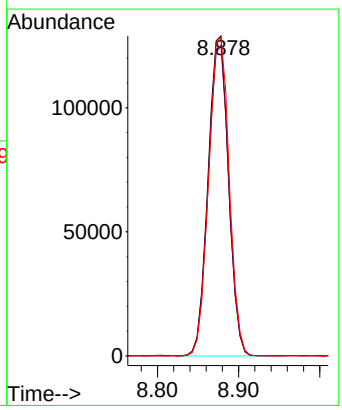
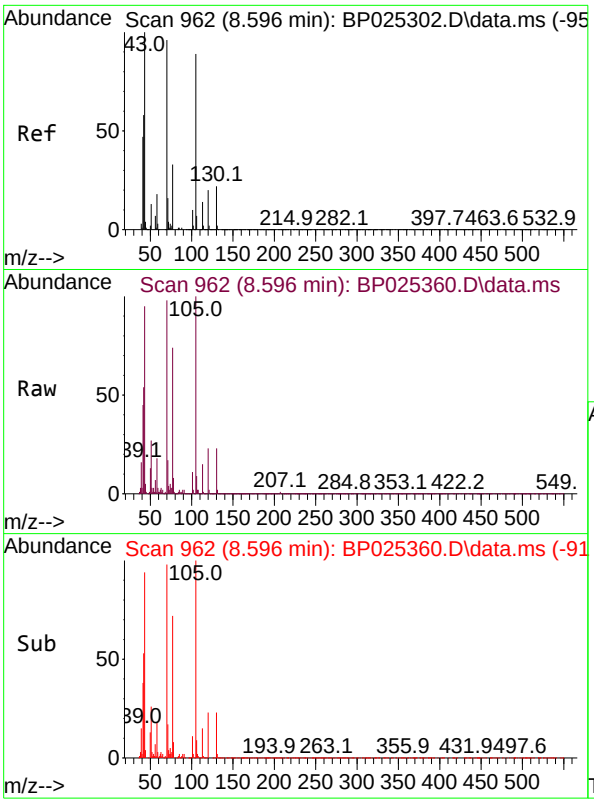


#18
Hexachloroethane
Concen: 41.571 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:117 Resp: 225436

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.8	113.8
201	99.7	76.6	114.8

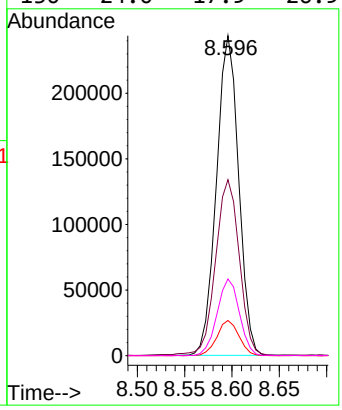




#19
n-Nitroso-di-n-propylamine
Concen: 37.717 ng
RT: 8.596 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 70 Resp: 39744(

Ion	Ratio	Lower	Upper
70	100		
42	55.0	49.4	74.0
101	11.0	7.9	11.9
130	24.0	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
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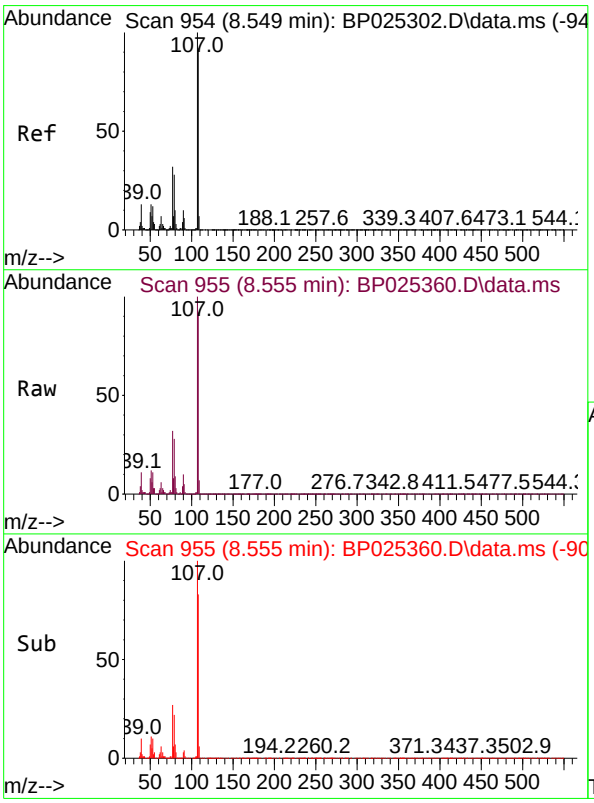
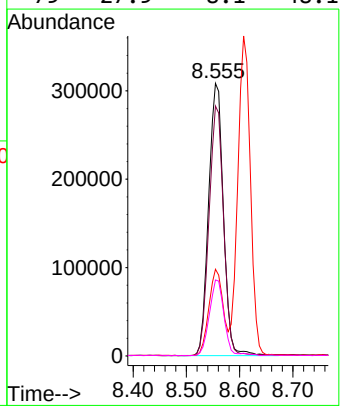
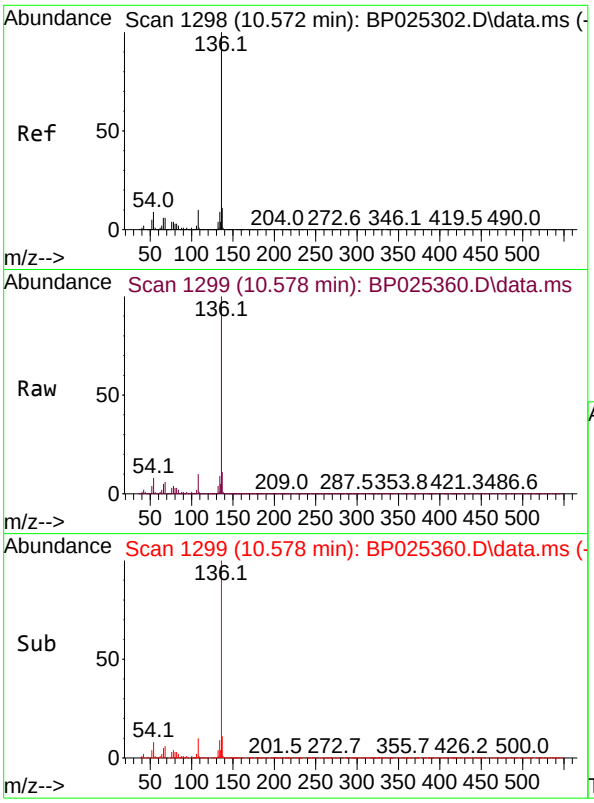


#20
3+4-Methylphenols
Concen: 37.617 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:107 Resp: 594774

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.9	111.9
77	31.8	12.0	52.0
79	27.9	8.1	48.1

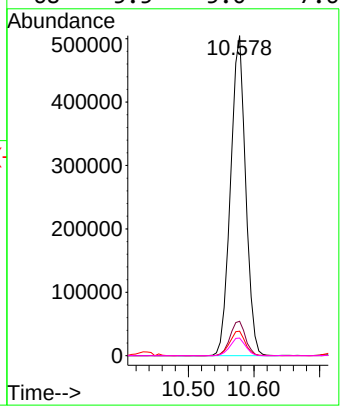




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:136 Resp: 80681

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	7.0	10.6
68	5.5	5.0	7.6



Instrument :
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ClientSampleId :
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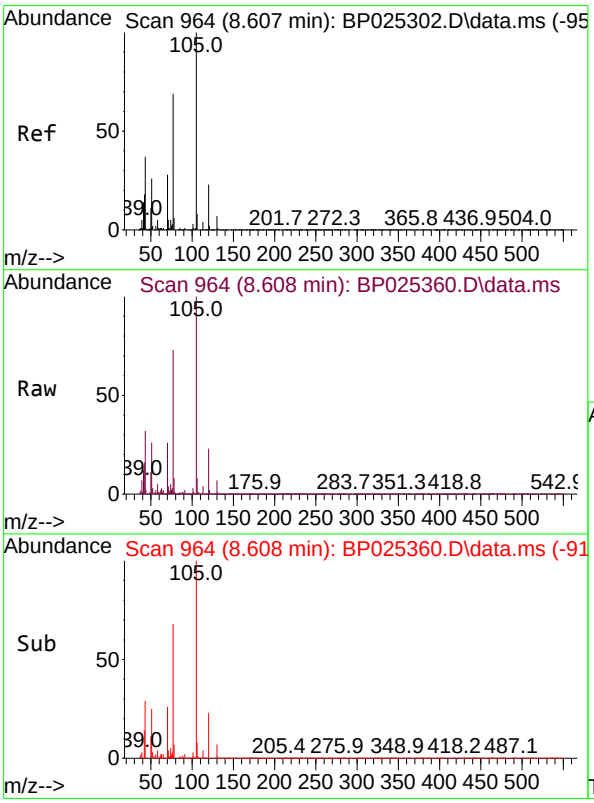
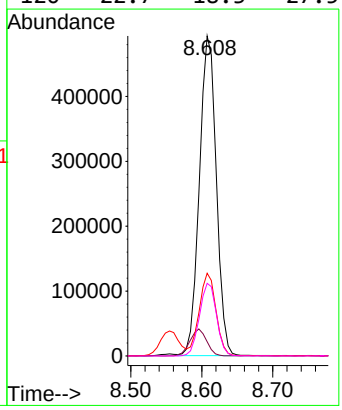
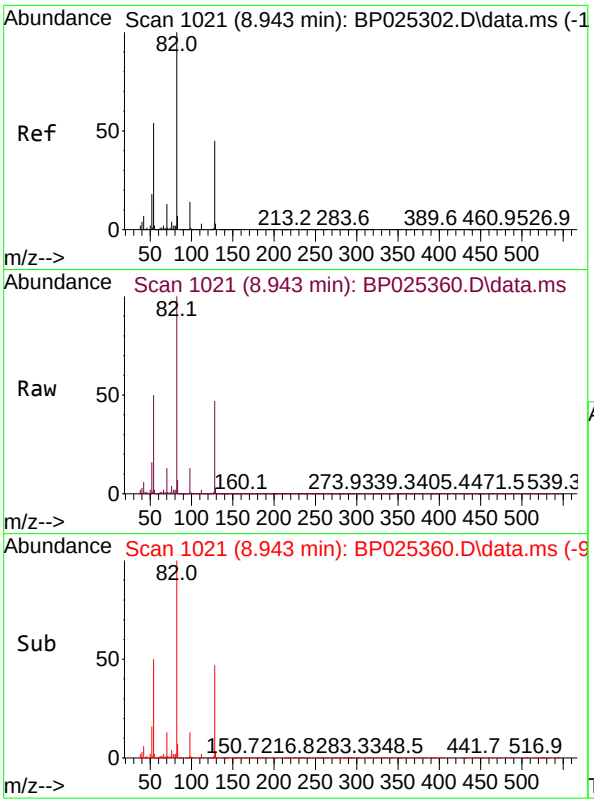


#22
Acetophenone
Concen: 40.395 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:105 Resp: 818151

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.1	6.1
51	25.9	22.7	34.1
120	22.7	18.3	27.5

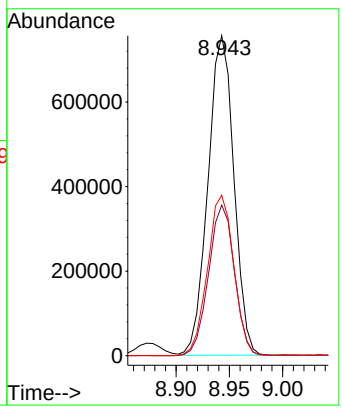




#23
Nitrobenzene-d5
Concen: 87.773 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 82 Resp: 127825

Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.4	53.2
54	50.2	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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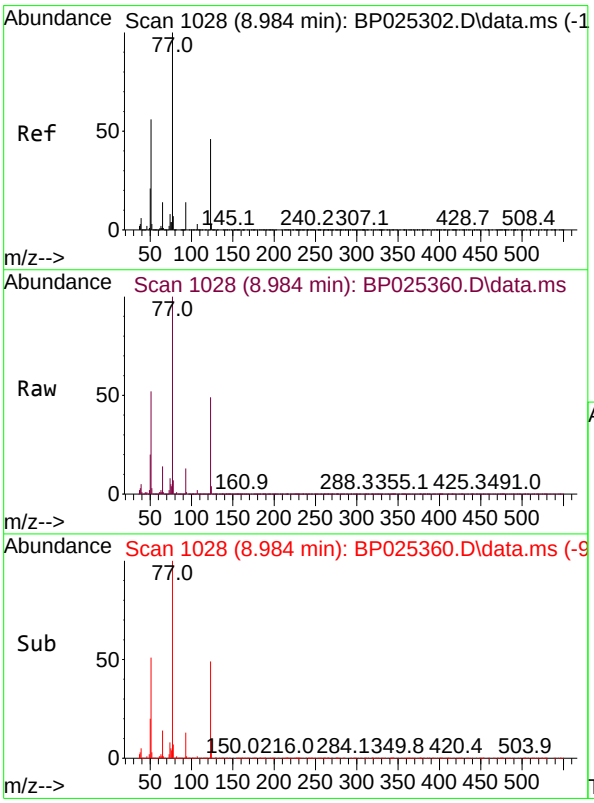
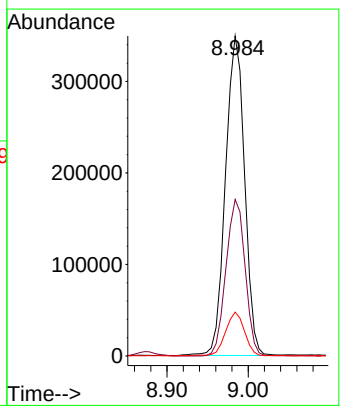
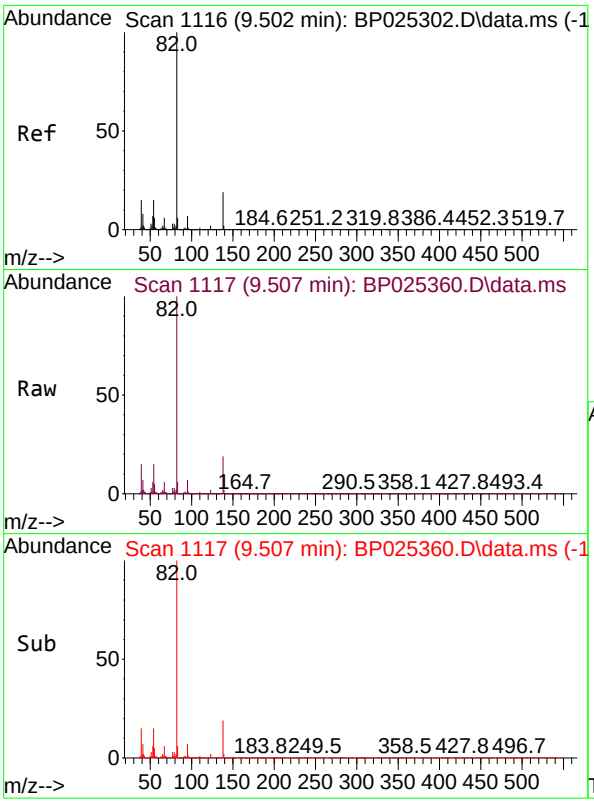


#24
Nitrobenzene
Concen: 41.415 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 77 Resp: 570928

Ion	Ratio	Lower	Upper
77	100		
123	48.9	37.4	56.2
65	13.7	11.1	16.7

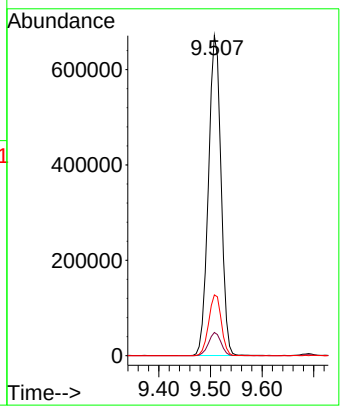




#25
Isophorone
Concen: 39.105 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 82 Resp: 113359

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	19.0	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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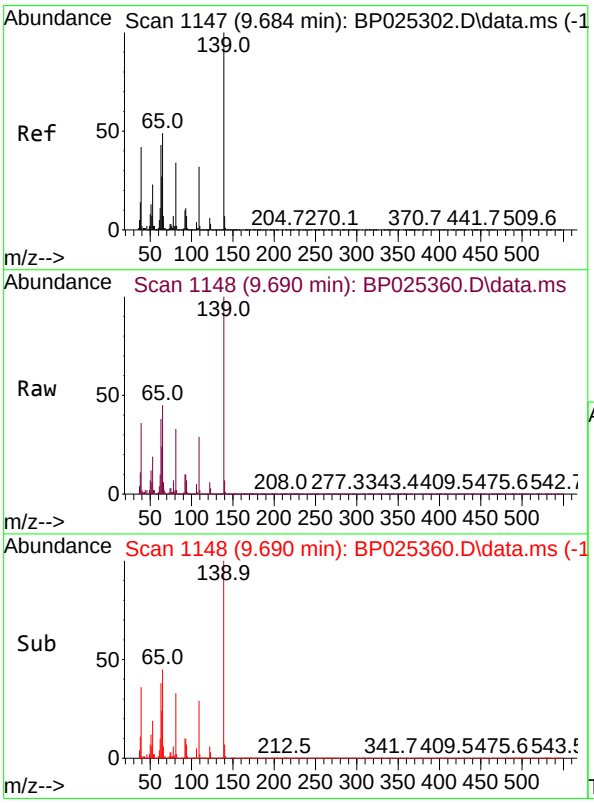
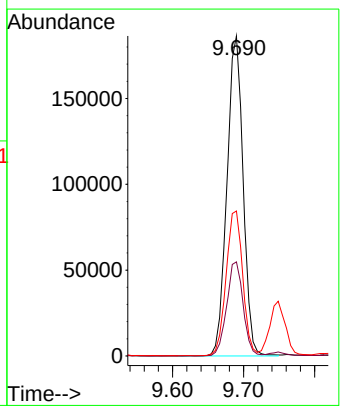
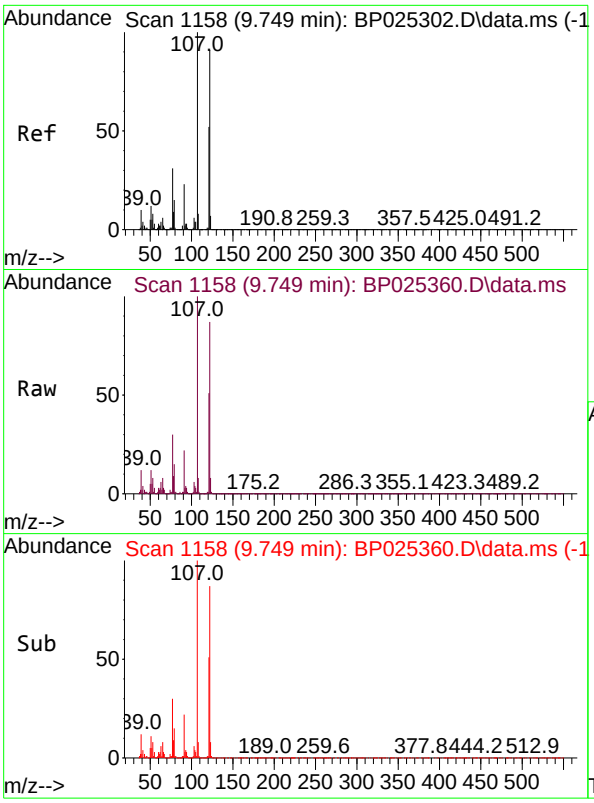


#26
2-Nitrophenol
Concen: 48.978 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:139 Resp: 294605

Ion	Ratio	Lower	Upper
139	100		
109	29.4	25.2	37.8
65	45.3	39.6	59.4





#27
2,4-Dimethylphenol
Concen: 37.957 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:122 Resp: 50729

Ion	Ratio	Lower	Upper
122	100		
107	114.7	87.4	131.0
121	58.8	45.8	68.8

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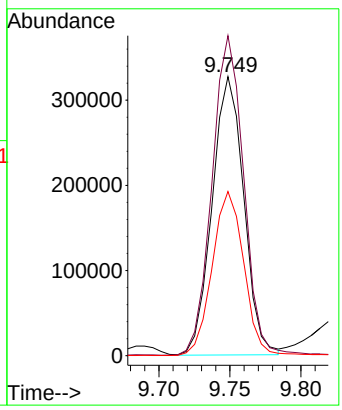
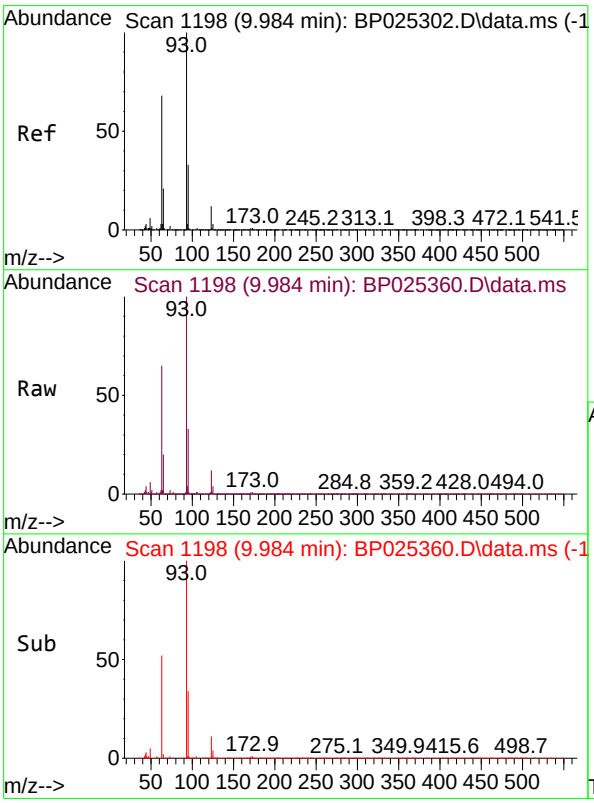
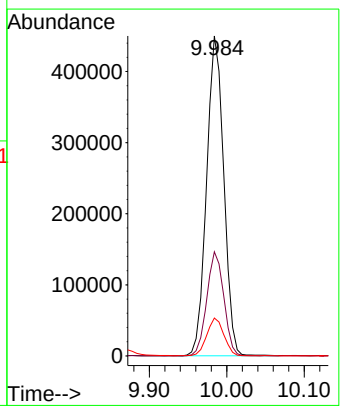


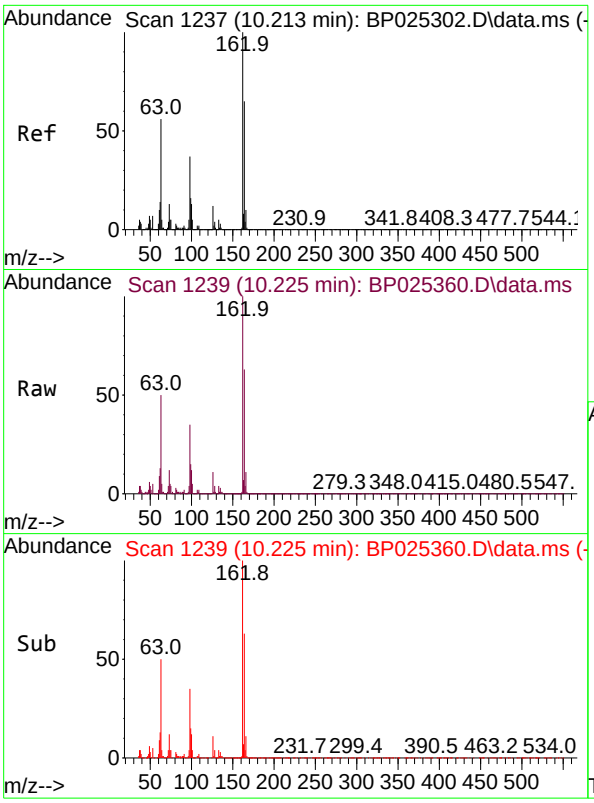


#28
bis(2-Chloroethoxy)methane
Concen: 39.308 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 93 Resp: 693183

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.5	39.7
123	11.9	9.4	14.2

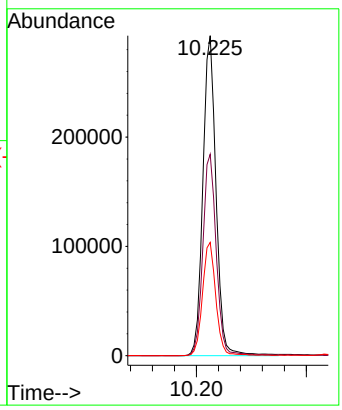




#29
2,4-Dichlorophenol
Concen: 41.592 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:162 Resp: 48666

Ion	Ratio	Lower	Upper
162	100		
164	62.9	45.2	85.2
98	35.4	17.5	57.5



Instrument :
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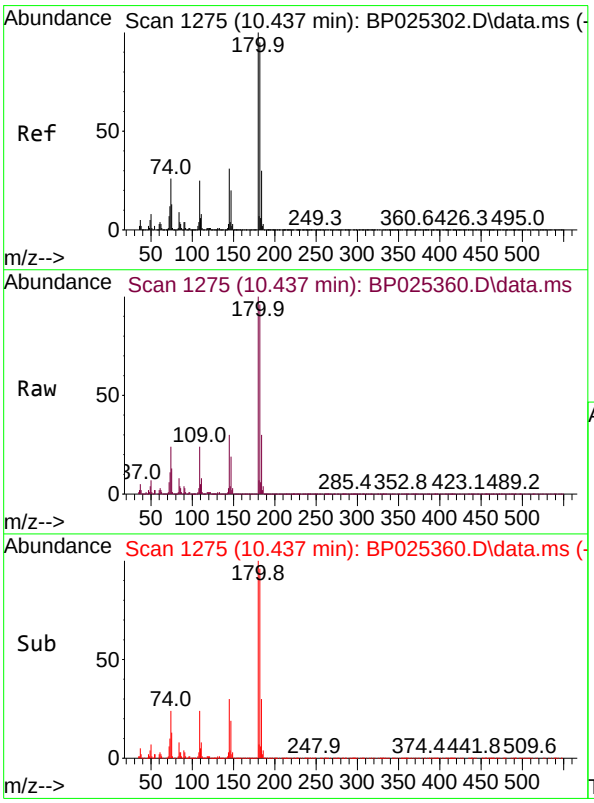
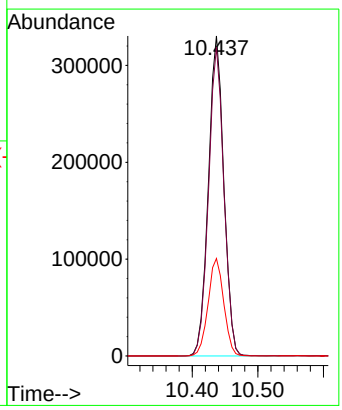
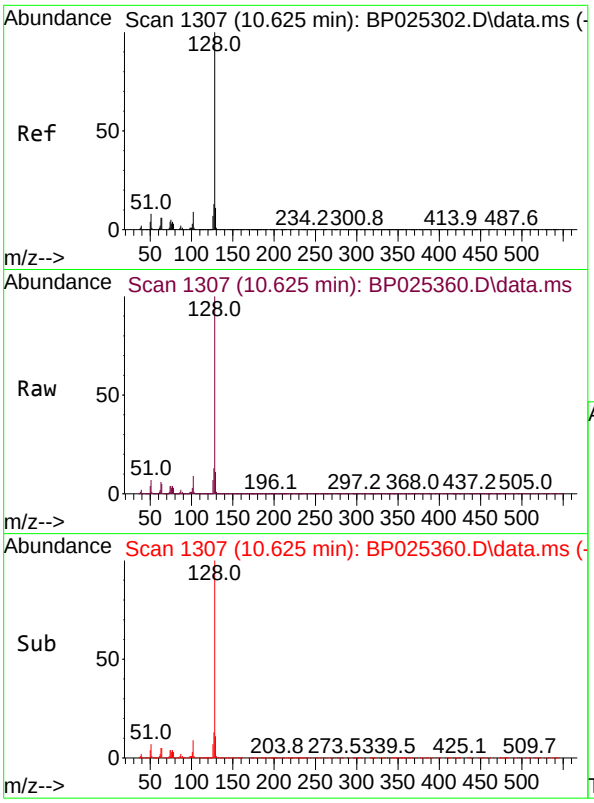


#30
1,2,4-Trichlorobenzene
Concen: 41.895 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:180 Resp: 540821

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.8
145	30.5	25.0	37.4

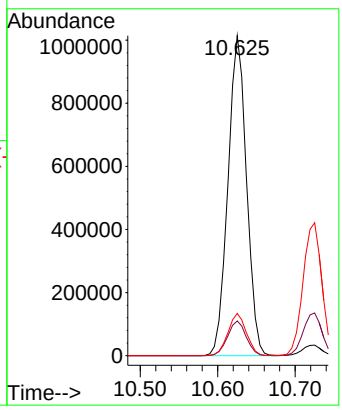




#31
Naphthalene
Concen: 40.429 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:128 Resp: 169330

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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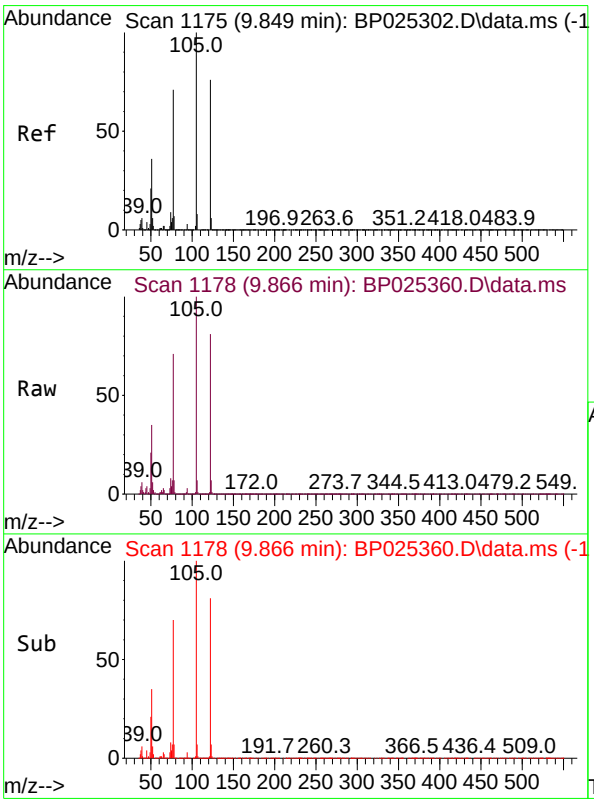
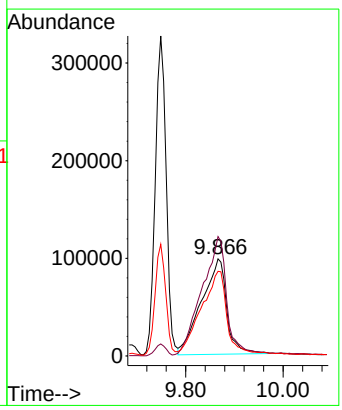
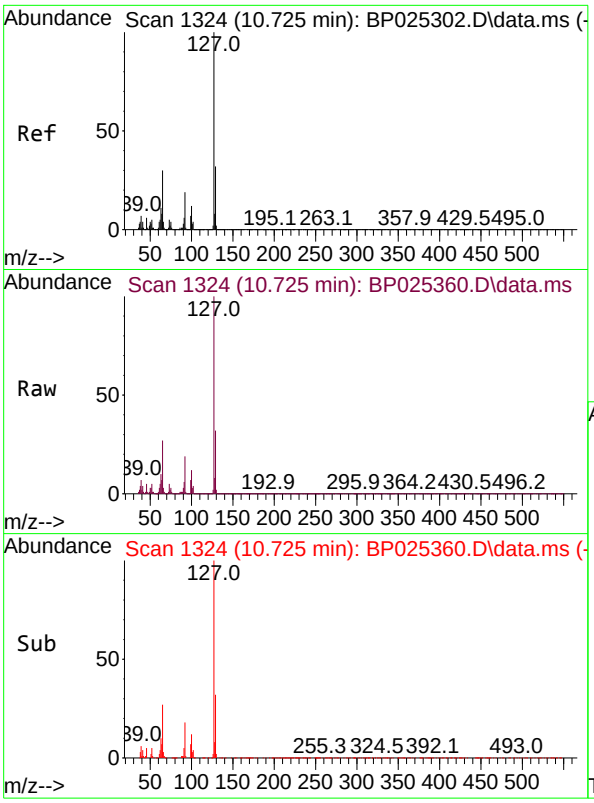


#32
Benzoic acid
Concen: 46.843 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.017 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:122 Resp: 353525

Ion	Ratio	Lower	Upper
122	100		
105	123.0	104.0	144.0
77	87.2	71.8	111.8

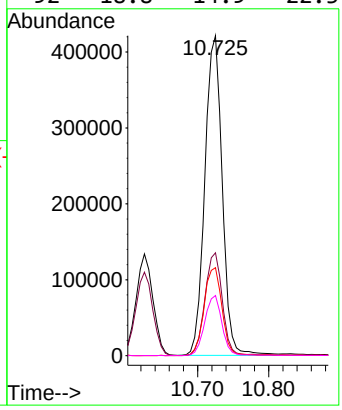




#33
4-Chloroaniline
Concen: 38.655 ng
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:127 Resp: 72006

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	27.5	23.6	35.4
92	18.8	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
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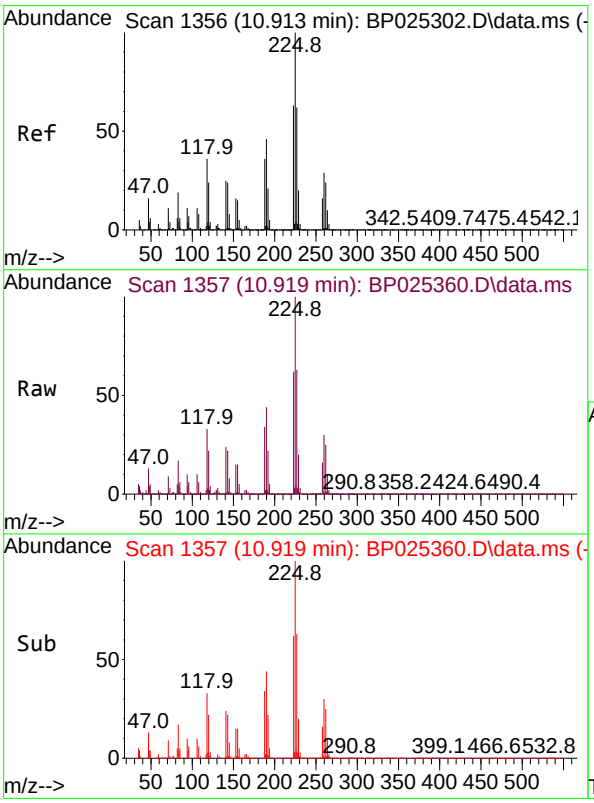
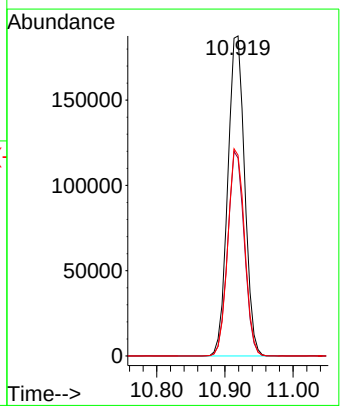
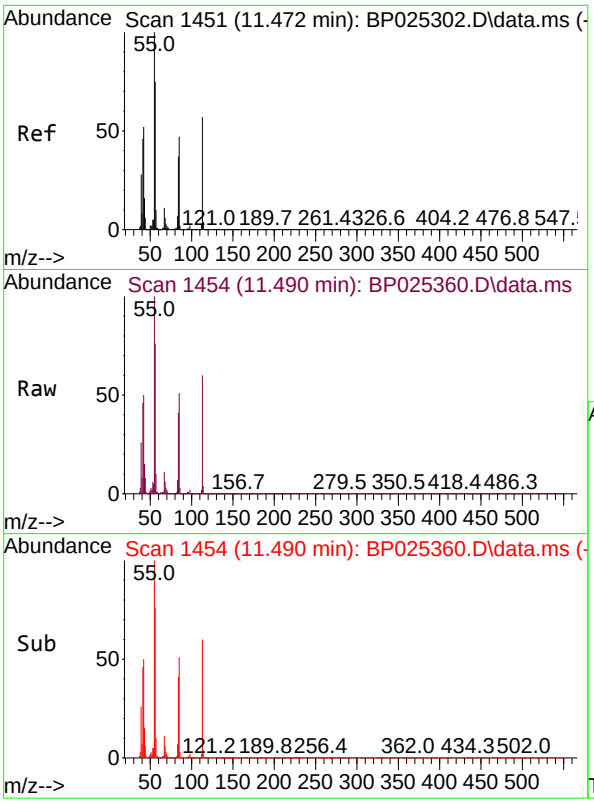


#34
Hexachlorobutadiene
Concen: 43.580 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:225 Resp: 322928

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.3	75.5
227	62.8	49.7	74.5





#35
Caprolactam
Concen: 39.842 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 18085

Ion	Ratio	Lower	Upper
113	100		
55	165.8	154.4	194.4
56	125.3	110.9	150.9

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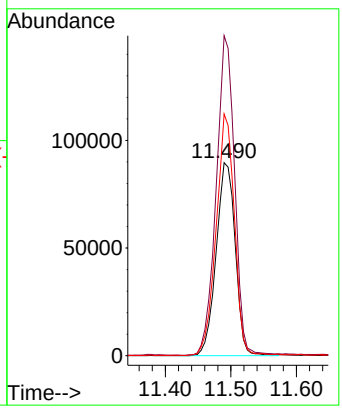
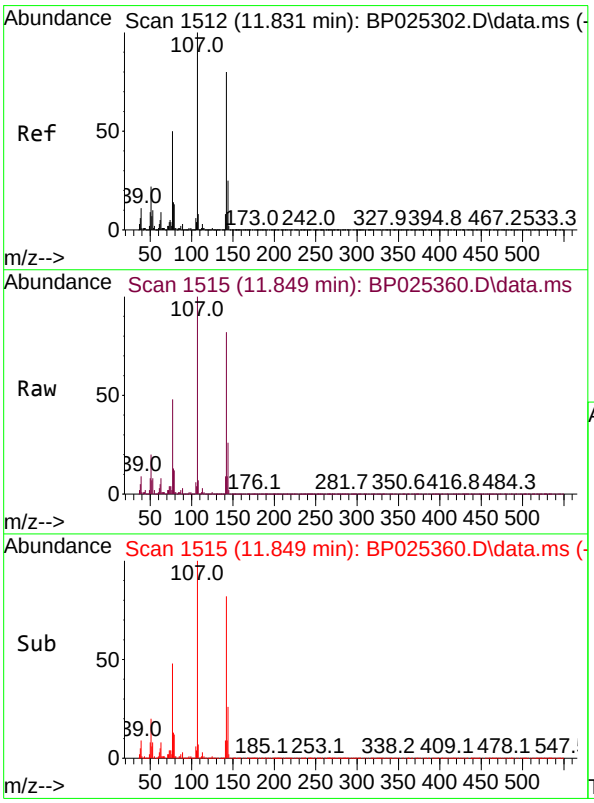
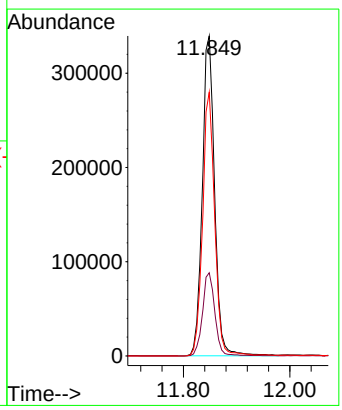


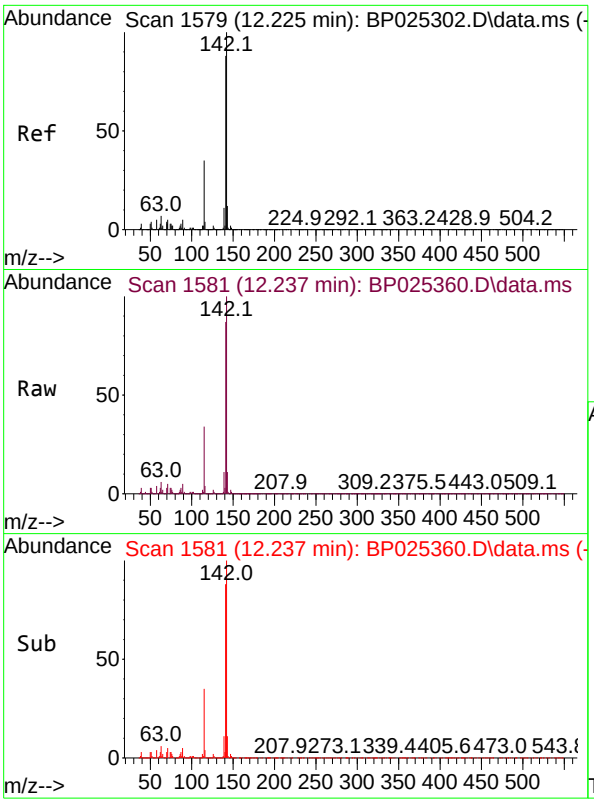


#36
4-Chloro-3-methylphenol
Concen: 40.098 ng
RT: 11.849 min Scan# 1515
Delta R.T. 0.018 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:107 Resp: 542891

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.4	30.6
142	82.4	63.7	95.5

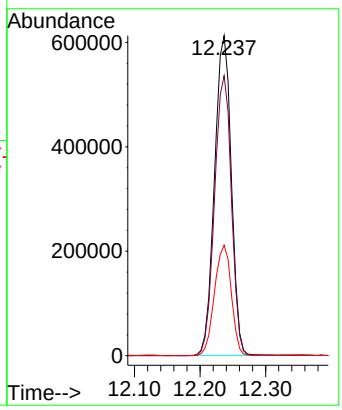




#37
2-Methylnaphthalene
Concen: 40.051 ng
RT: 12.237 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:142 Resp: 108575

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	34.5	28.0	42.0



Instrument :
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ClientSampleId :
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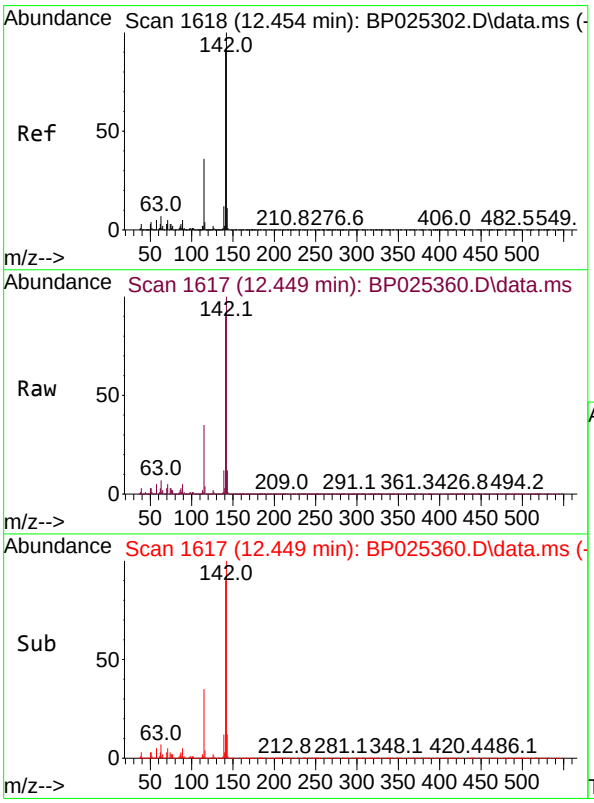
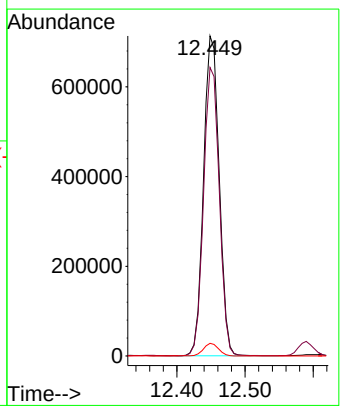
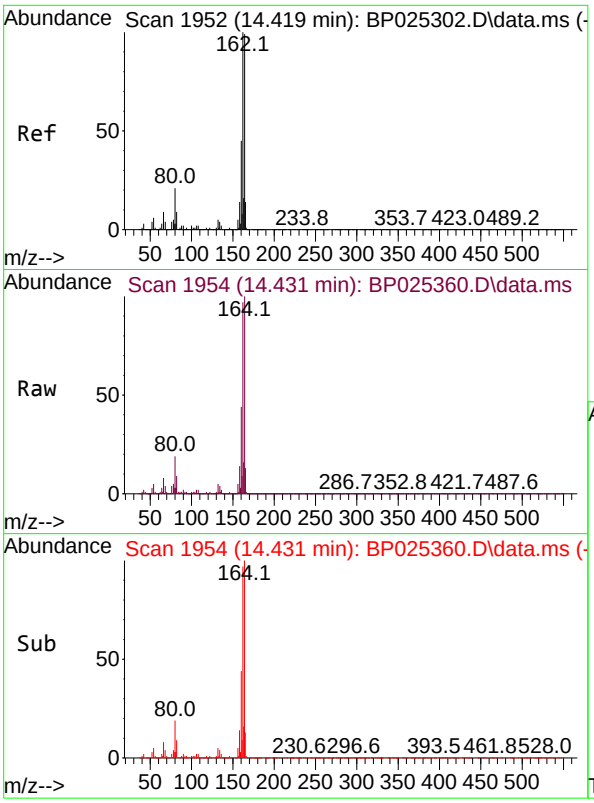


#38
1-Methylnaphthalene
Concen: 40.230 ng
RT: 12.449 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:142 Resp: 1137953

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	3.9	3.0	4.6

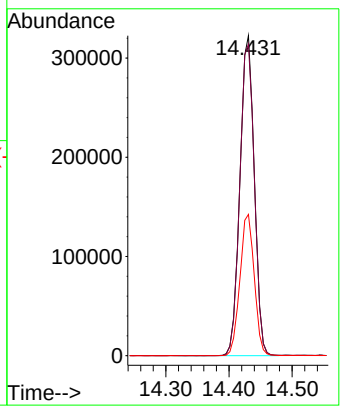




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.431 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:164 Resp: 51021

Ion	Ratio	Lower	Upper
164	100		
162	97.4	80.6	120.8
160	44.1	35.9	53.9



Instrument :
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ClientSampleId :
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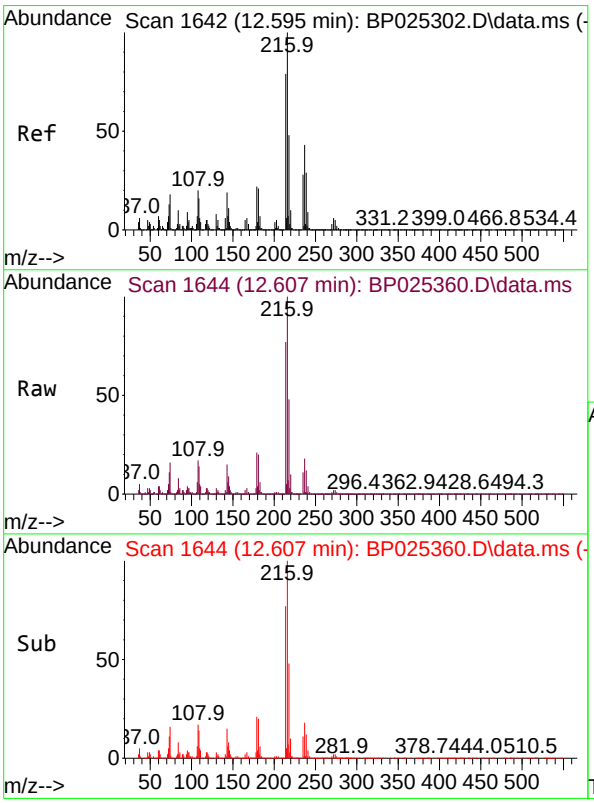
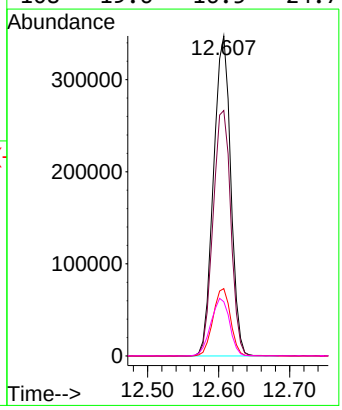
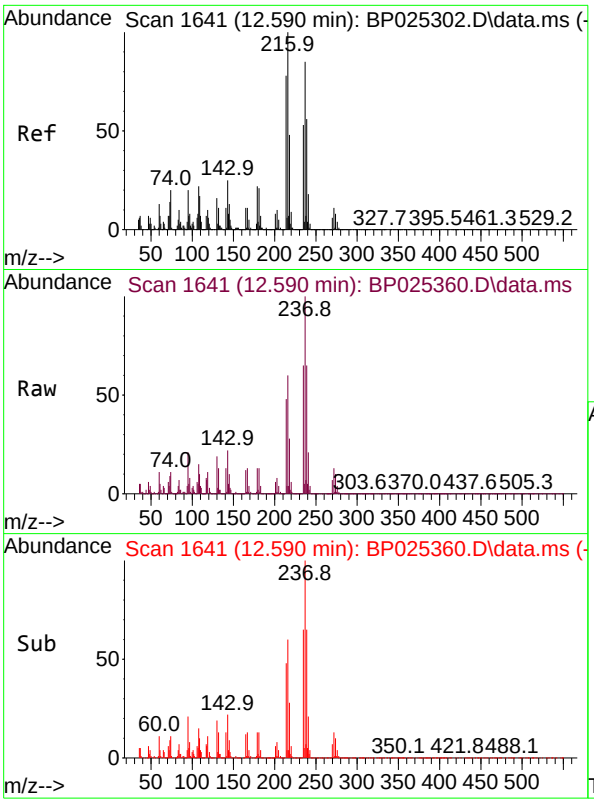


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.935 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:216 Resp: 584136

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.4	93.6
179	21.5	17.5	26.3
108	19.6	16.5	24.7

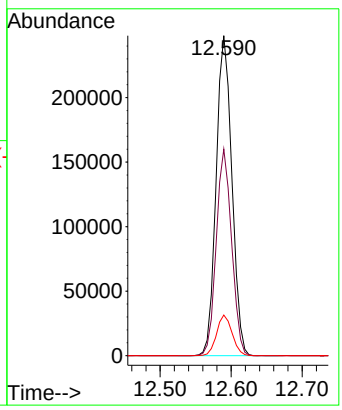




#41
Hexachlorocyclopentadiene
Concen: 44.201 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:237 Resp: 38000

Ion	Ratio	Lower	Upper
237	100		
235	64.6	42.2	82.2
272	12.7	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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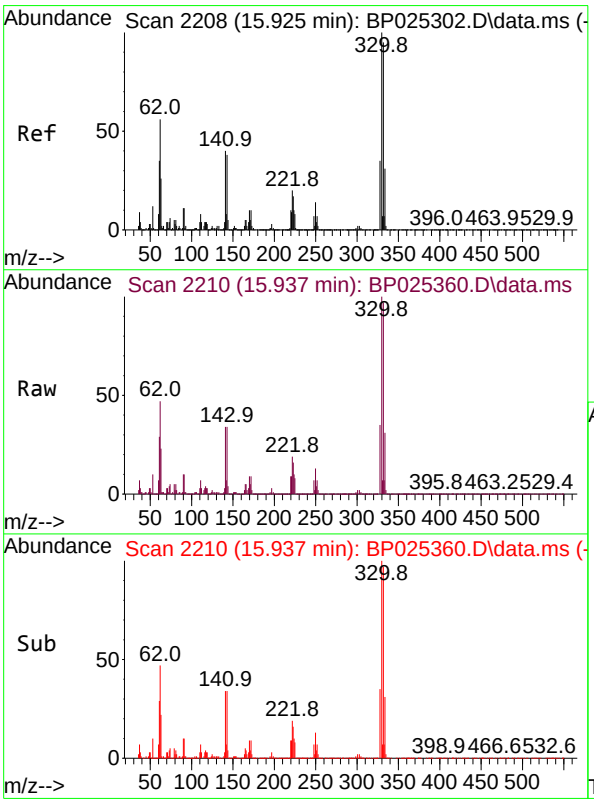
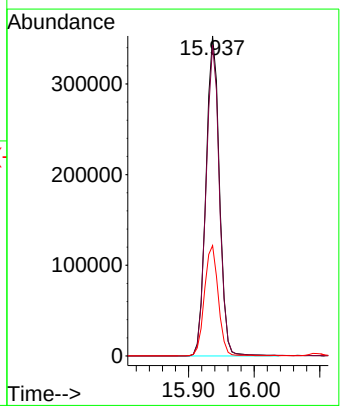
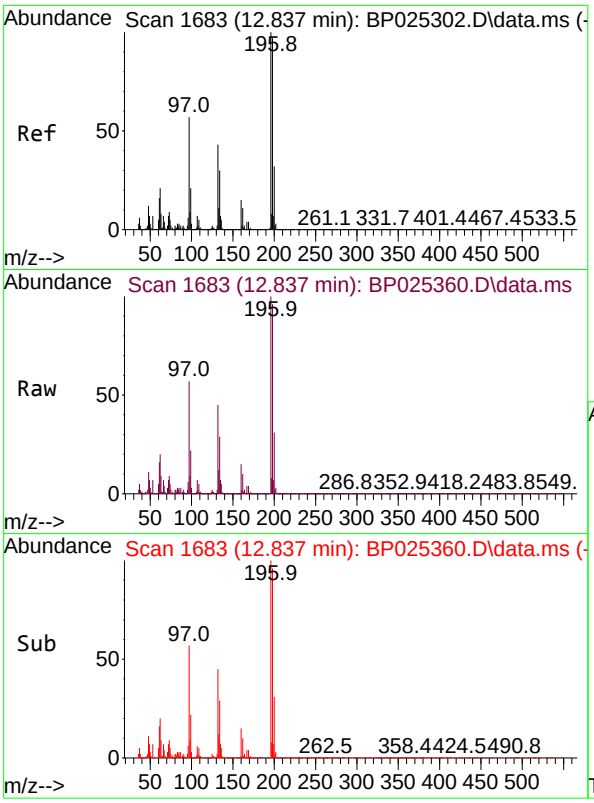


#42
2,4,6-Tribromophenol
Concen: 99.294 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:330 Resp: 505405

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	35.4	31.7	47.5

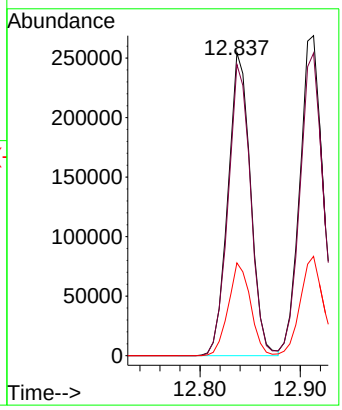




#43
2,4,6-Trichlorophenol
Concen: 44.246 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:196 Resp: 39814

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.3	115.9
200	30.6	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
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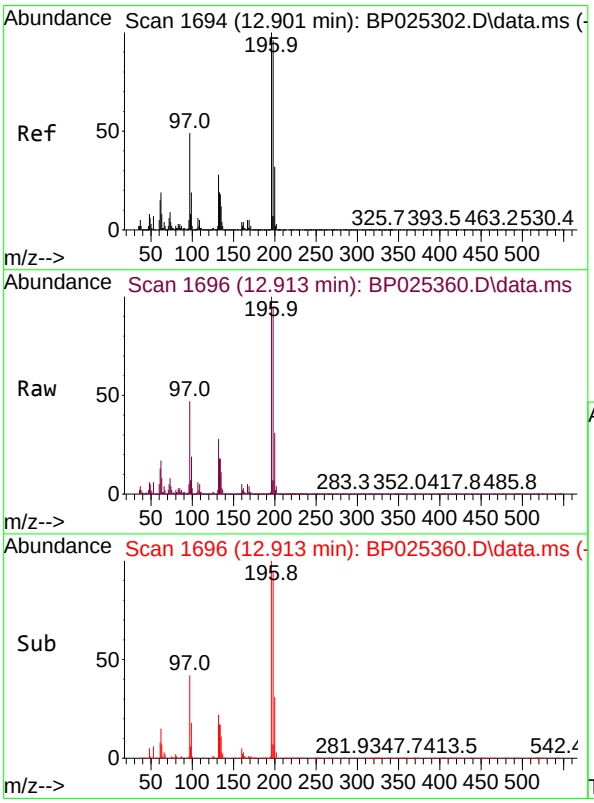
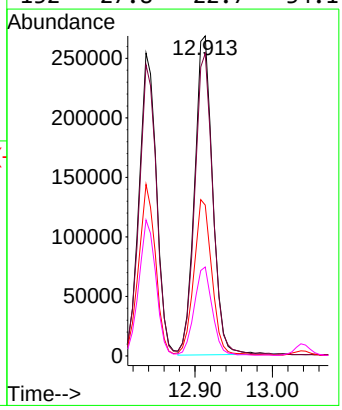
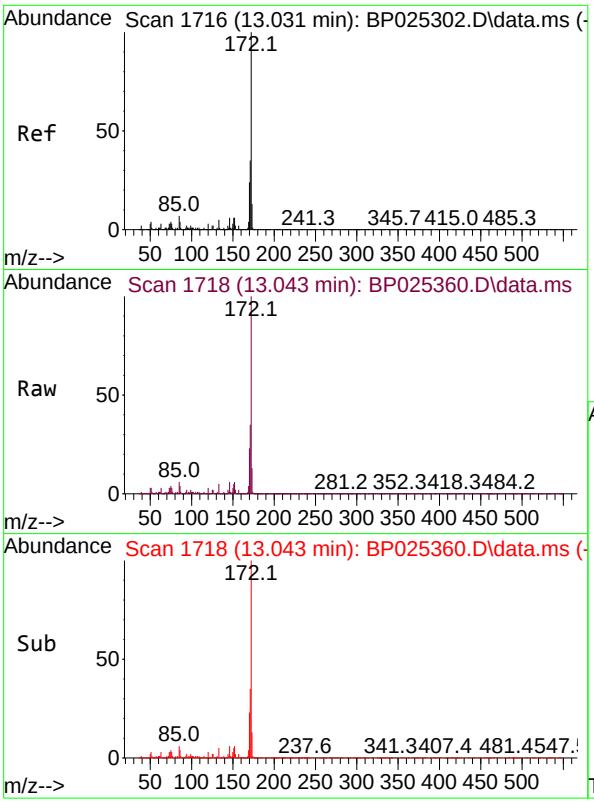


#44
2,4,5-Trichlorophenol
Concen: 42.887 ng
RT: 12.913 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:196 Resp: 432915

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.6	114.8
97	47.1	39.5	59.3
132	27.8	22.7	34.1

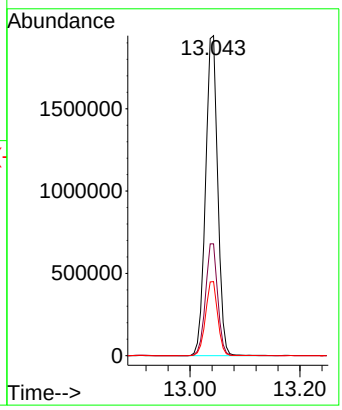




#45
2-Fluorobiphenyl
Concen: 80.727 ng
RT: 13.043 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:172 Resp: 298202

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.2	18.9	28.3



Instrument :
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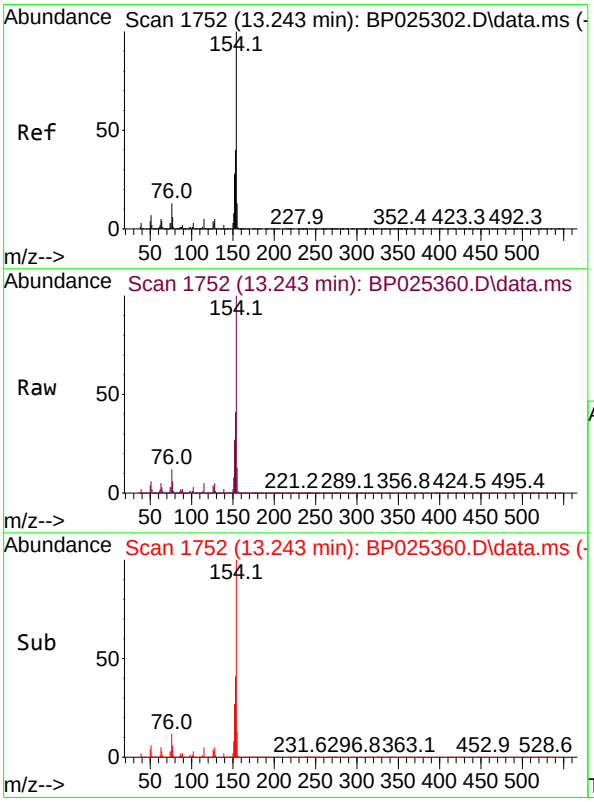
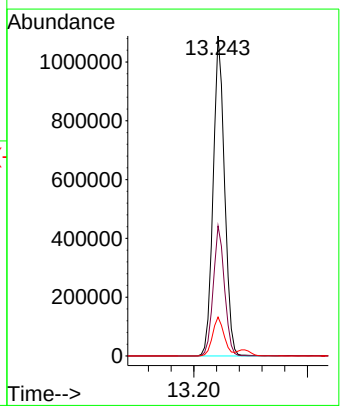
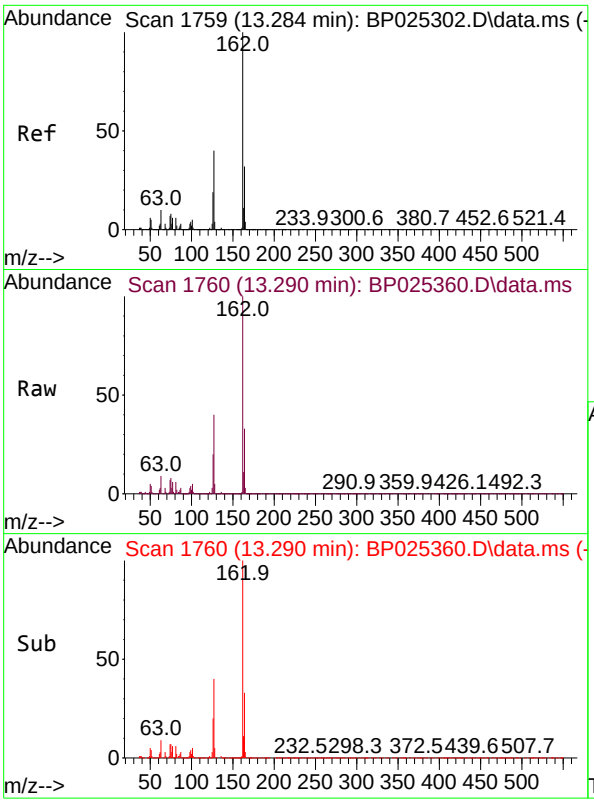


#46
1,1'-Biphenyl
Concen: 40.262 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:154 Resp: 1513840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	19.9	59.9
76	12.1	0.0	33.2

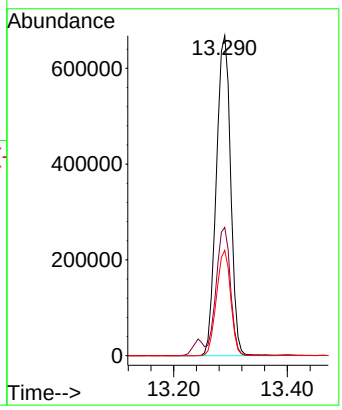




#47
2-Chloronaphthalene
Concen: 40.740 ng
RT: 13.290 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:162 Resp: 116867

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.2	48.2
164	32.9	25.9	38.9



Instrument :
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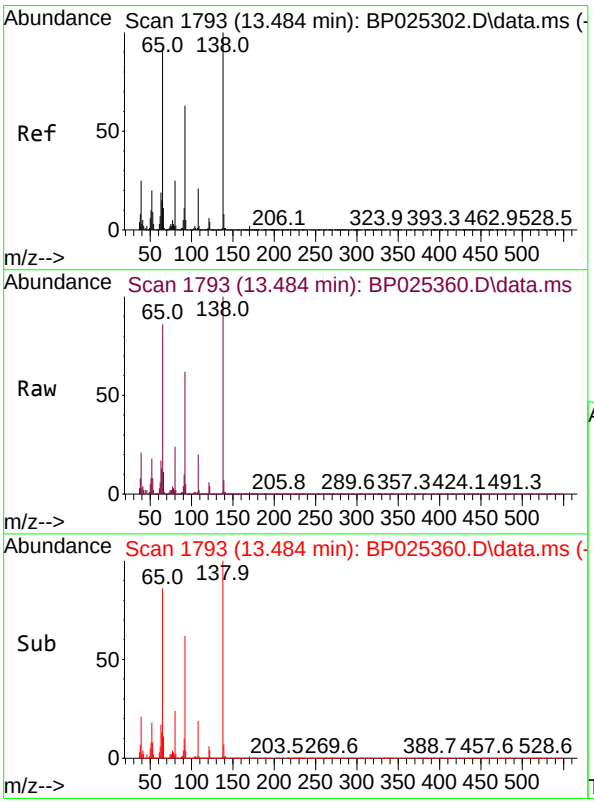
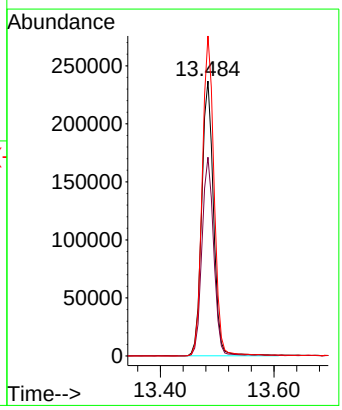
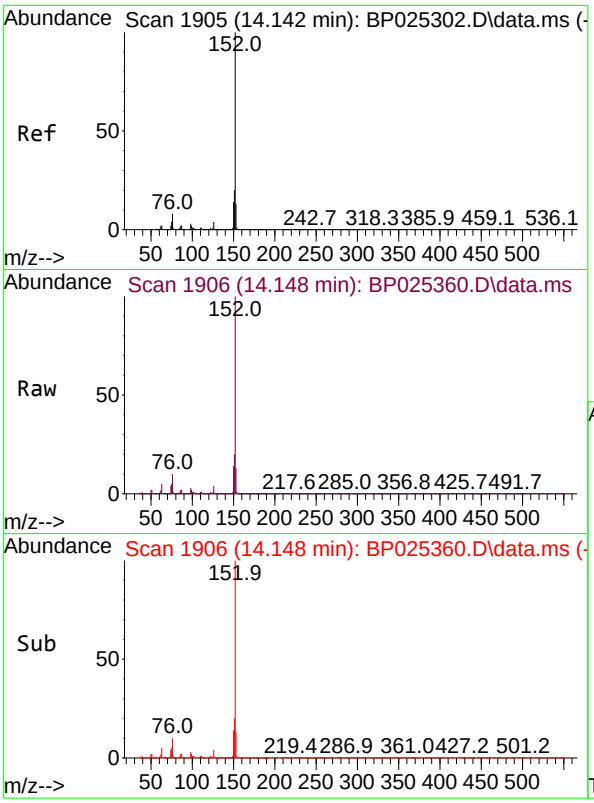


#48
2-Nitroaniline
Concen: 40.947 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 65 Resp: 340186

Ion	Ratio	Lower	Upper
65	100		
92	72.3	54.4	81.6
138	116.4	87.0	130.4





#49
Acenaphthylene
Concen: 40.266 ng
RT: 14.148 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:152 Resp: 192667

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.1	10.4	15.6

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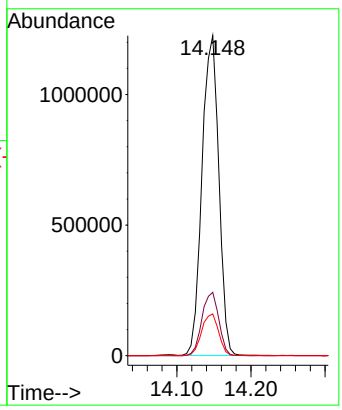
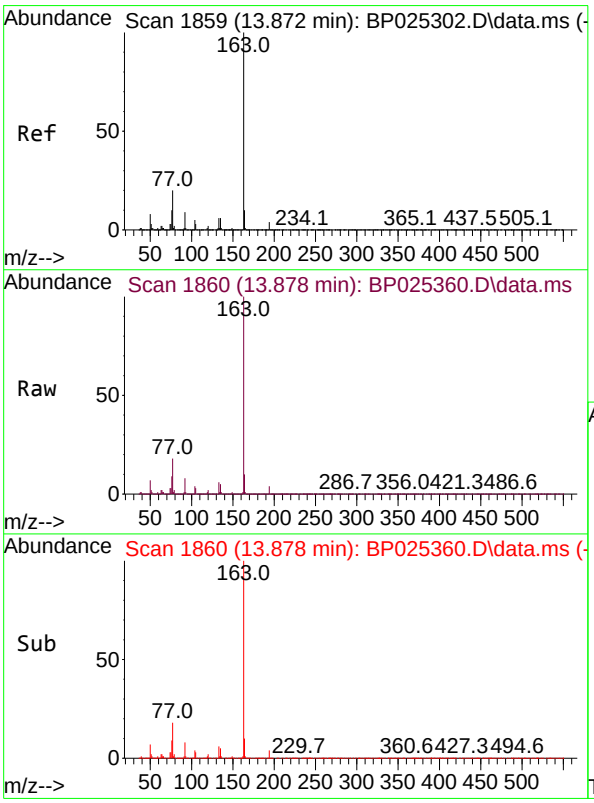
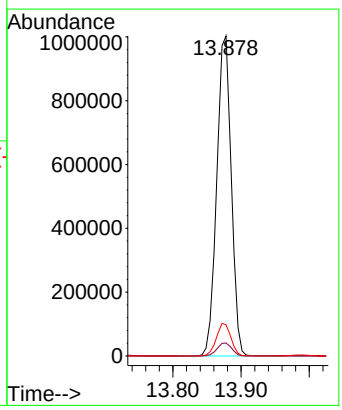


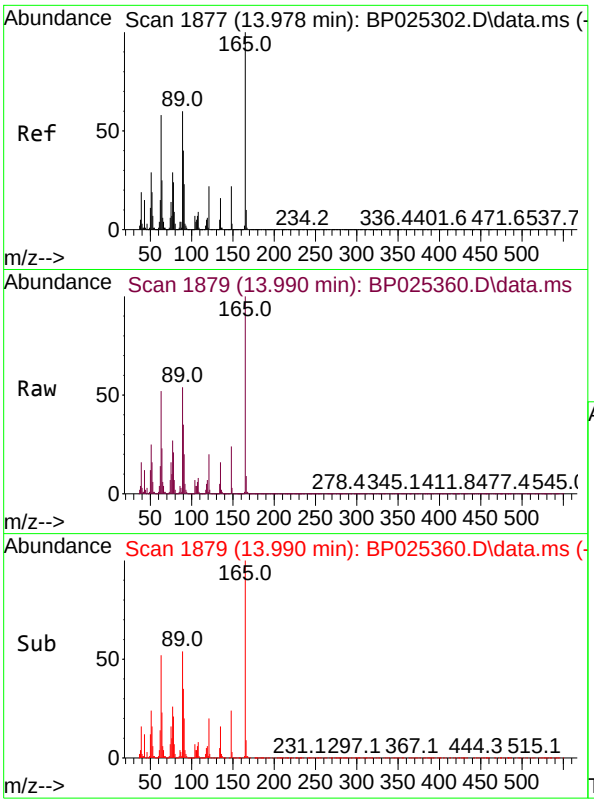


#50
Dimethylphthalate
Concen: 39.945 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:163 Resp: 1485732

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 47.464 ng
RT: 13.990 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:165 Resp: 32563

Ion	Ratio	Lower	Upper
165	100		
63	52.1	47.6	71.4
89	53.8	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
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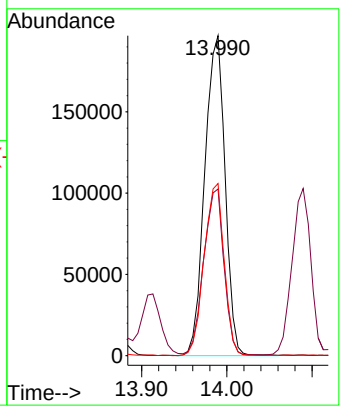
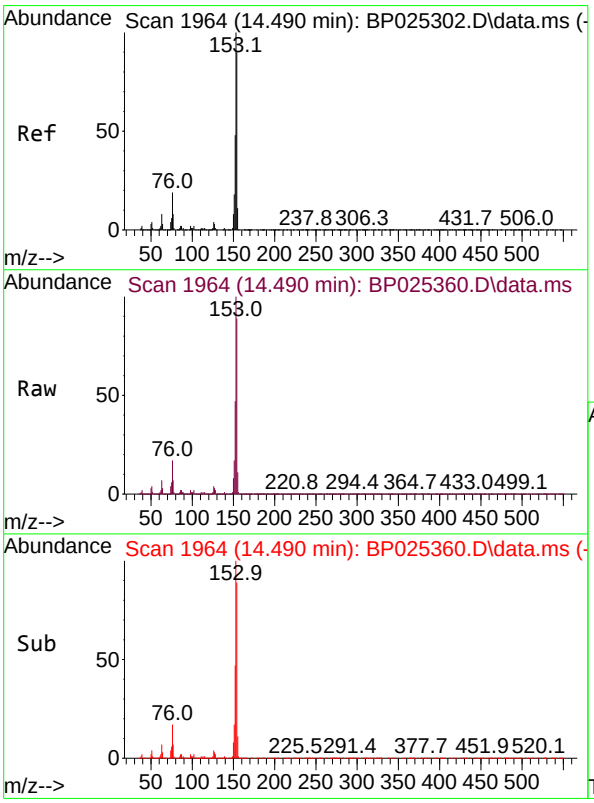
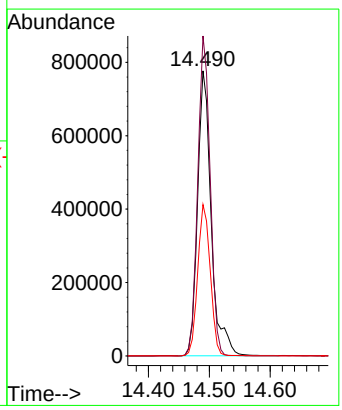


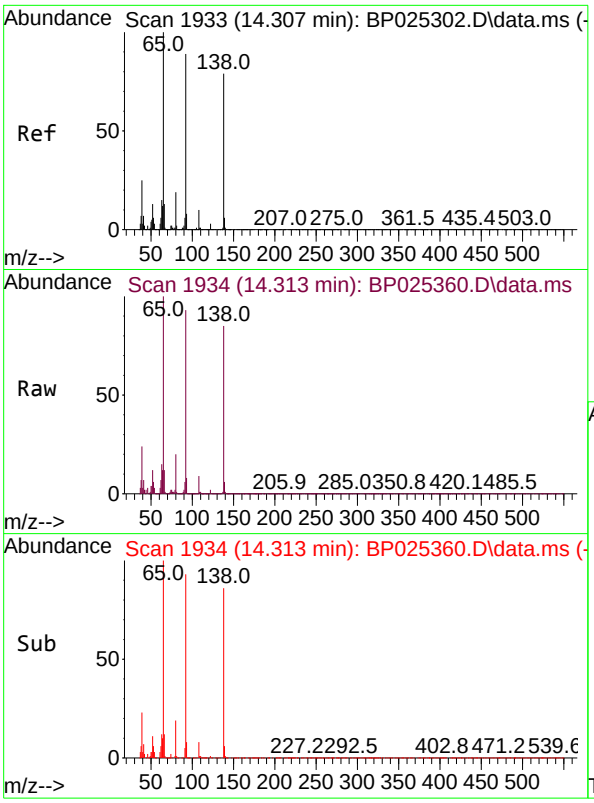


#52
Acenaphthene
Concen: 41.464 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:154 Resp: 1210197

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.4	134.0
152	53.1	43.0	64.6





#53
3-Nitroaniline
Concen: 45.776 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:138 Resp: 36747

Ion	Ratio	Lower	Upper
138	100		
108	10.5	10.5	15.7
92	109.6	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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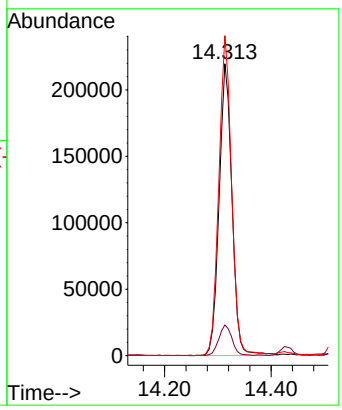
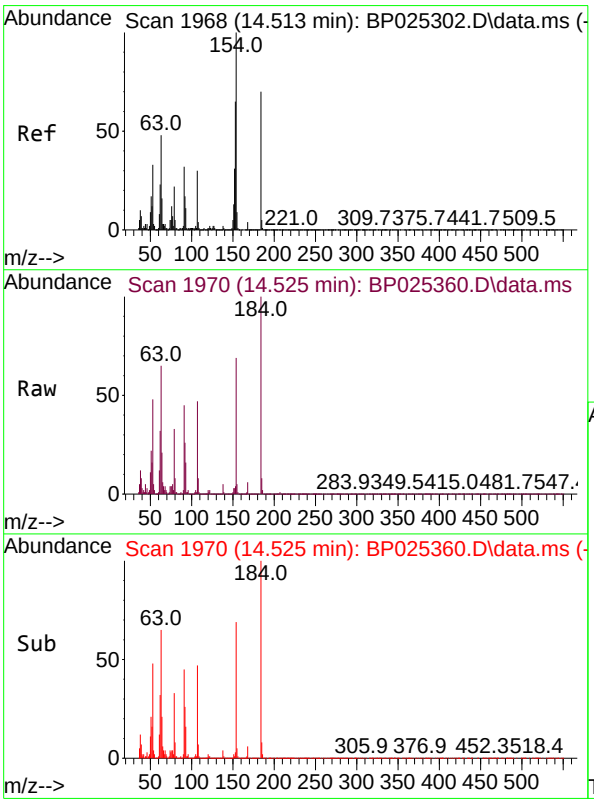
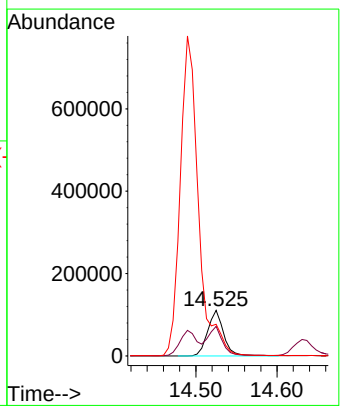


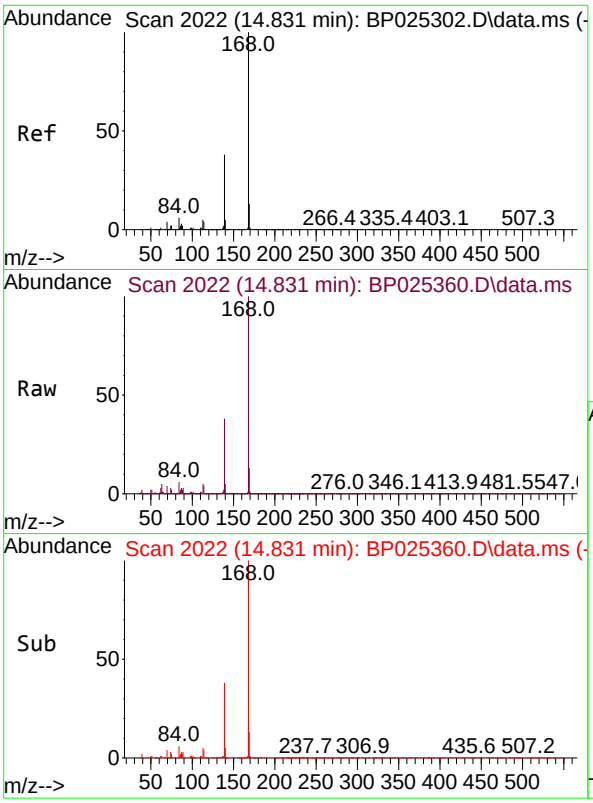


#54
2,4-Dinitrophenol
Concen: 51.187 ng
RT: 14.525 min Scan# 1970
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:184 Resp: 151086

Ion	Ratio	Lower	Upper
184	100		
63	65.0	56.3	84.5
154	69.5	124.5	186.7#

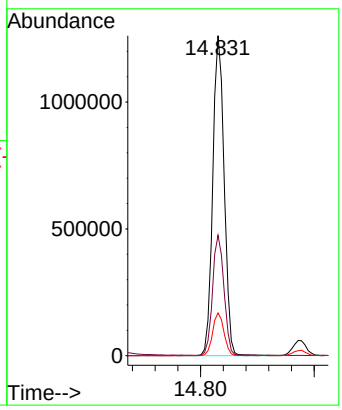




#55
Dibenzofuran
Concen: 40.091 ng
RT: 14.831 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:168 Resp: 174861(

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.5	45.7
169	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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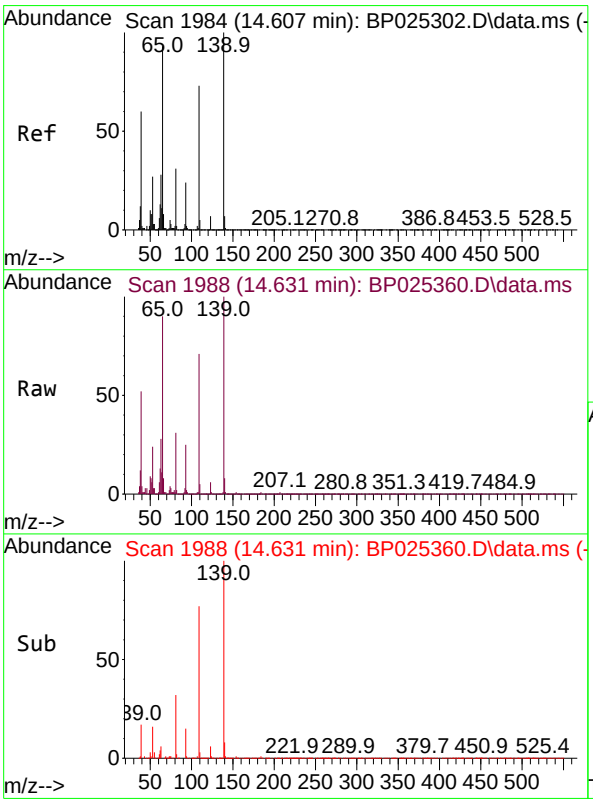
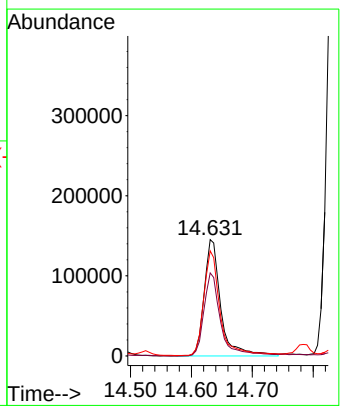
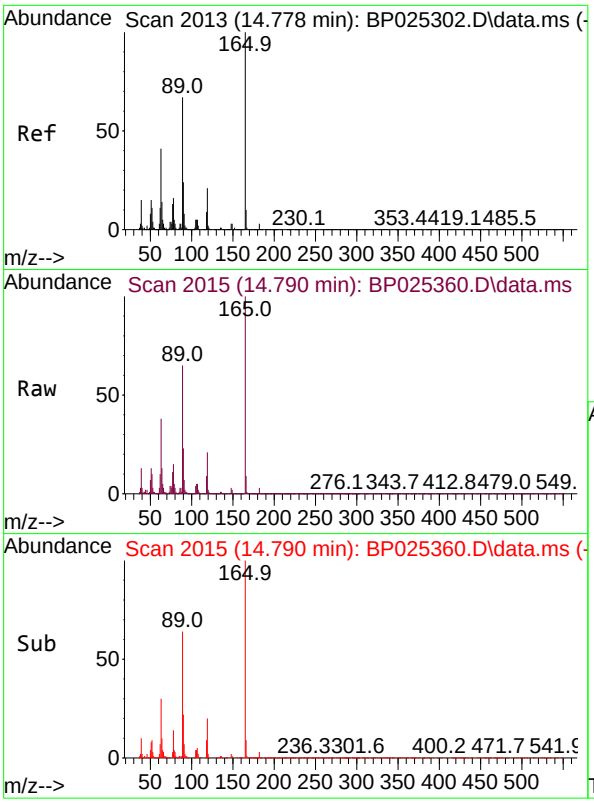


#56
4-Nitrophenol
Concen: 38.916 ng
RT: 14.631 min Scan# 1988
Delta R.T. 0.024 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:139 Resp: 275723

Ion	Ratio	Lower	Upper
139	100		
109	71.4	52.7	92.7
65	90.4	73.4	113.4

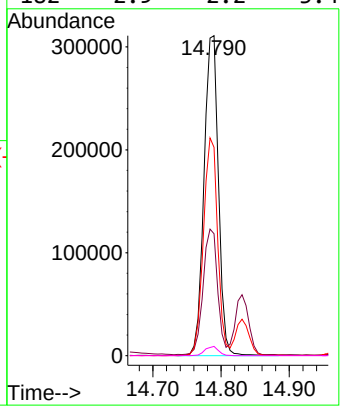




#57
2,4-Dinitrotoluene
Concen: 43.380 ng
RT: 14.790 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:165 Resp: 45777

Ion	Ratio	Lower	Upper
165	100		
63	38.1	33.2	49.8
89	65.1	53.5	80.3
182	2.9	2.2	3.4



Instrument :
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ClientSampleId :
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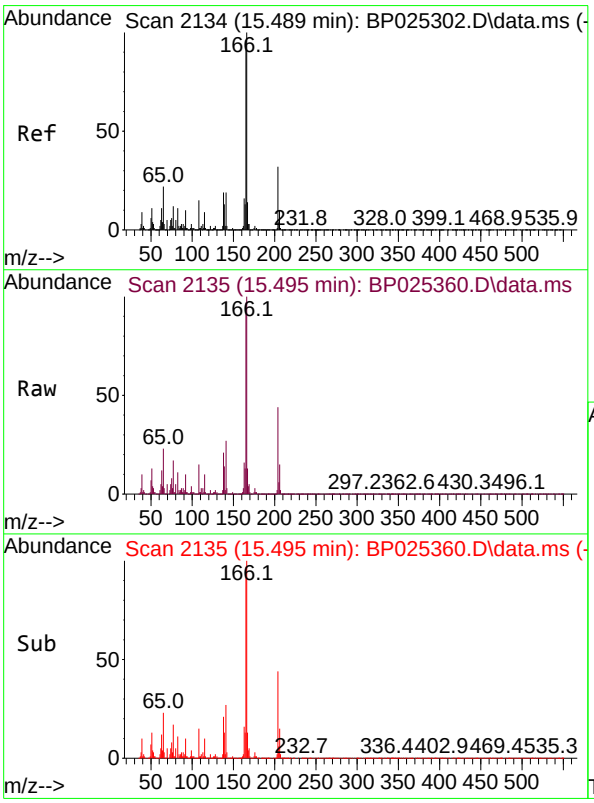
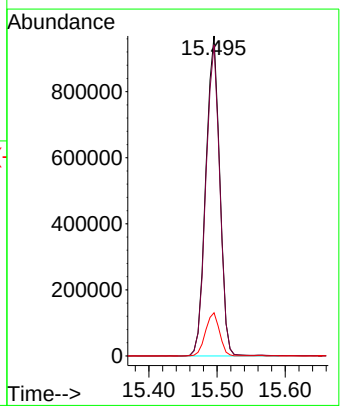
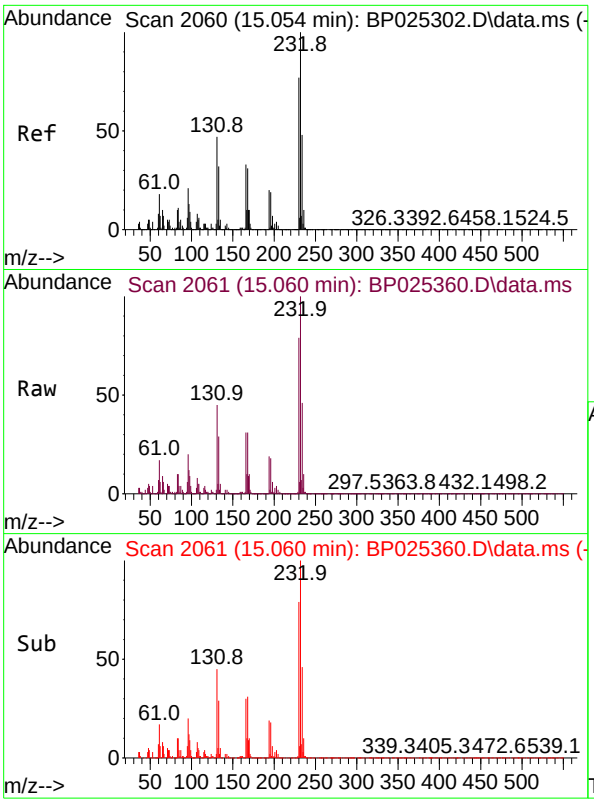


#58
Fluorene
Concen: 40.245 ng
RT: 15.495 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:166 Resp: 1378667

Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.7	115.1
167	13.5	10.9	16.3

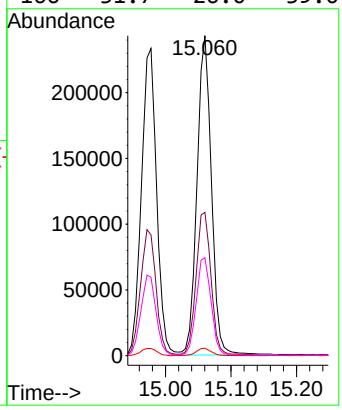




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.239 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:232 Resp: 37302

Ion	Ratio	Lower	Upper
232	100		
131	46.5	39.3	58.9
130	2.4	2.2	3.2
166	31.7	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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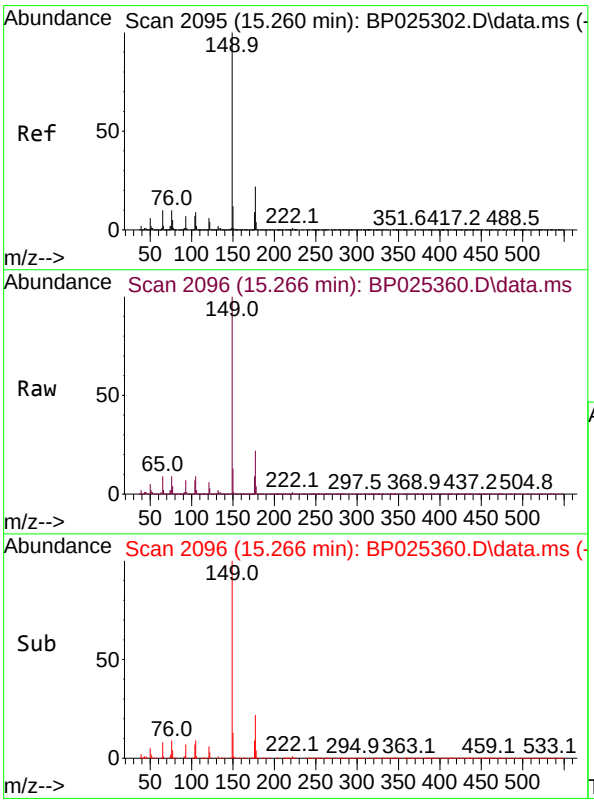
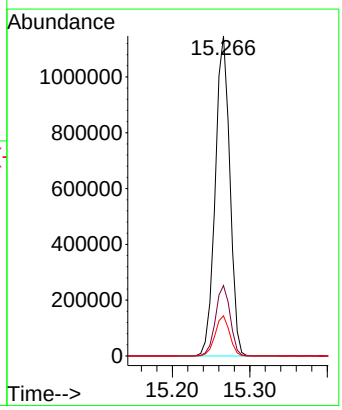
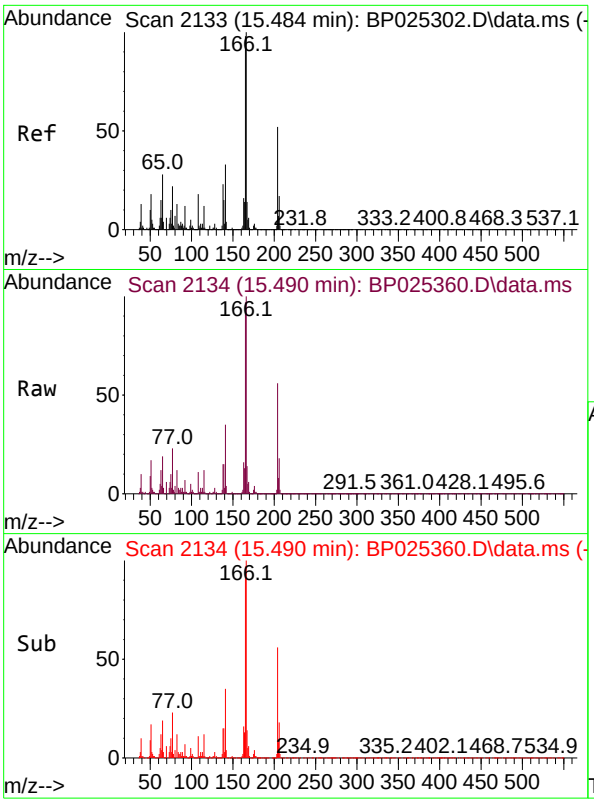


#60
Diethylphthalate
Concen: 39.922 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:149 Resp: 1496993

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.6	9.8	14.8

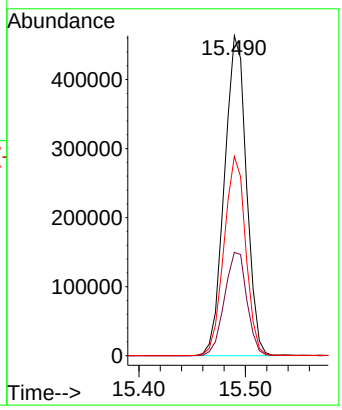




#61
4-Chlorophenyl-phenylether
Concen: 40.936 ng
RT: 15.490 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:204 Resp: 66481

Ion	Ratio	Lower	Upper
204	100		
206	32.3	27.0	40.4
141	62.3	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
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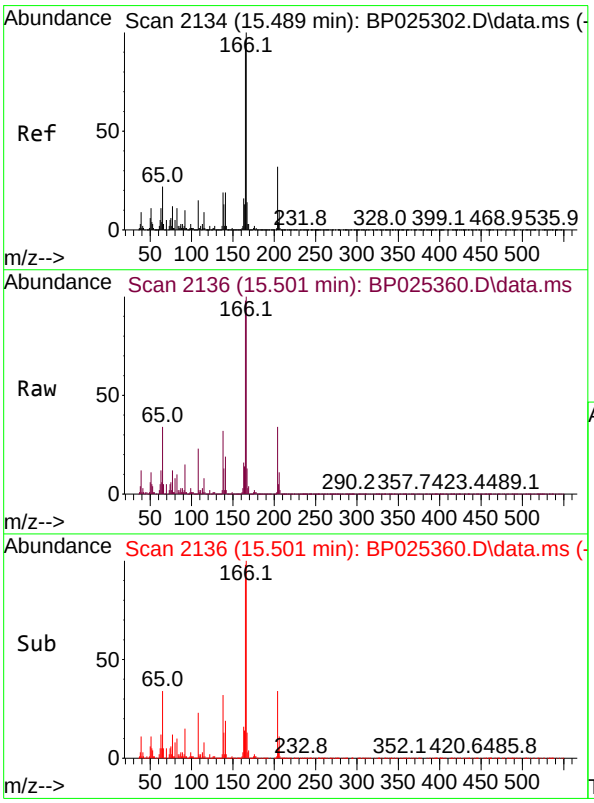
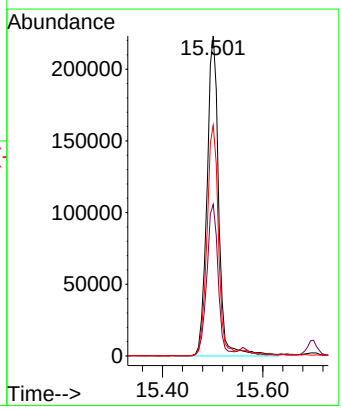
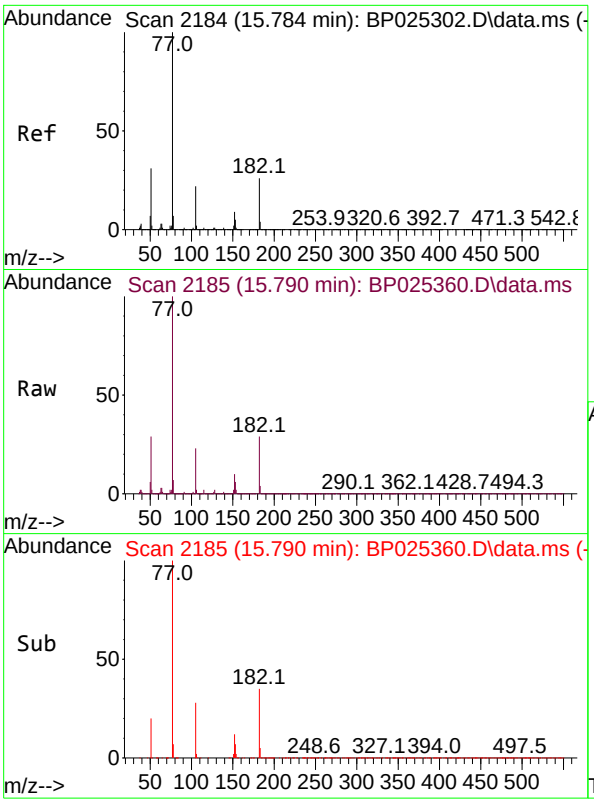


#62
4-Nitroaniline
Concen: 45.592 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:138 Resp: 362655

Ion	Ratio	Lower	Upper
138	100		
92	47.4	29.8	69.8
108	72.1	56.6	96.6

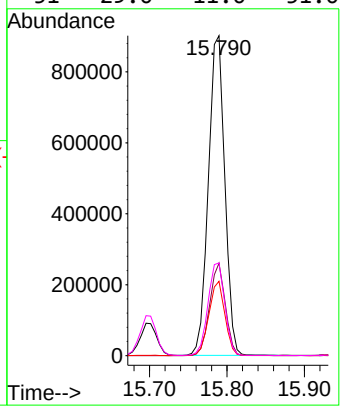




#63
Azobenzene
Concen: 38.207 ng
RT: 15.790 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion: 77 Resp: 133096

Ion	Ratio	Lower	Upper
77	100		
182	28.9	6.0	46.0
105	23.2	2.1	42.1
51	29.0	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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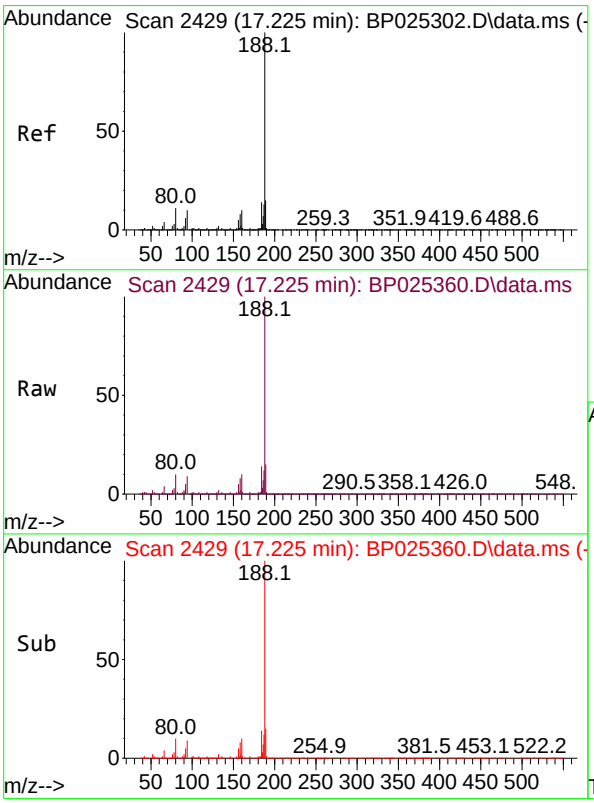
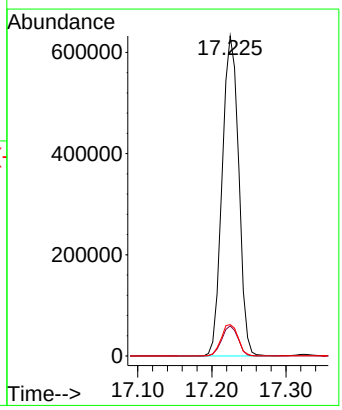
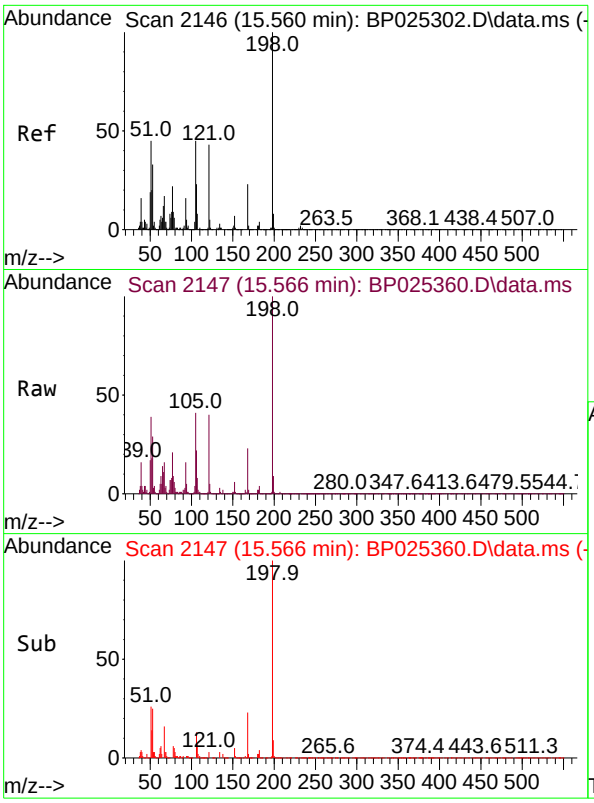


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:188 Resp: 980228

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	9.8	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 53.009 ng
RT: 15.566 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:198 Resp: 23930

Ion	Ratio	Lower	Upper
198	100		
51	39.0	26.7	66.7
105	41.2	25.6	65.6

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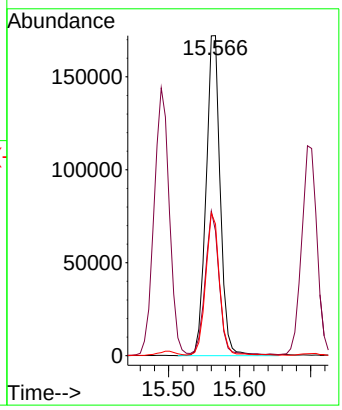
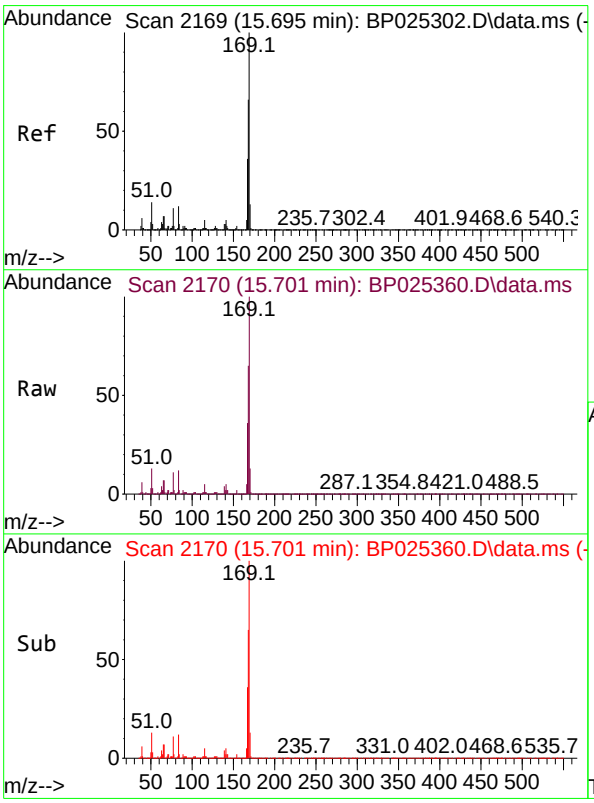
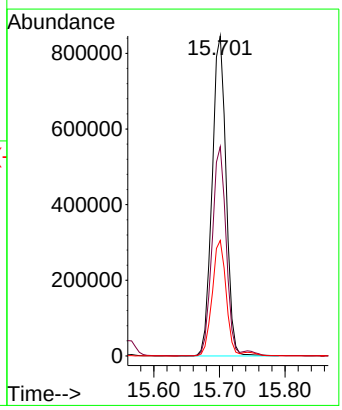


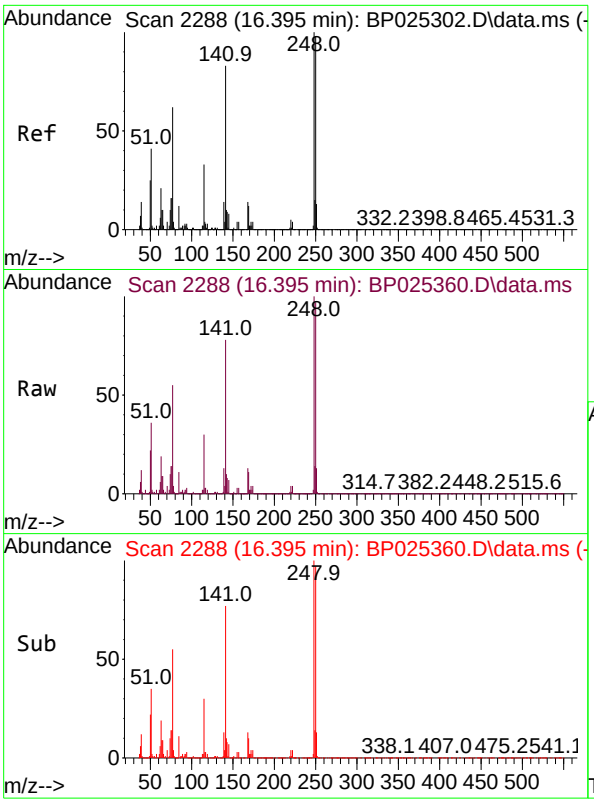


#66
n-Nitrosodiphenylamine
Concen: 41.916 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:169 Resp: 1251042

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	36.1	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 43.265 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 42671

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.6	117.8
141	77.6	66.6	99.8

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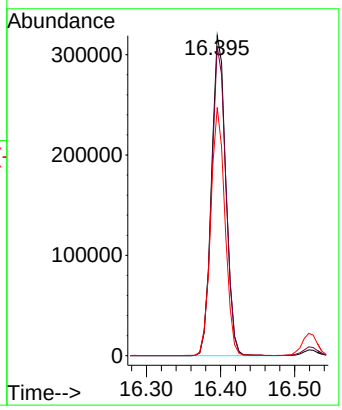
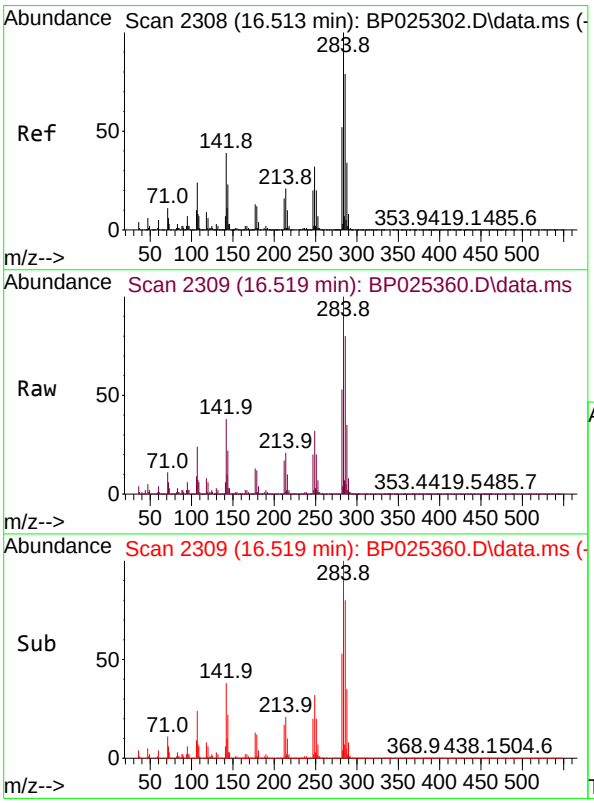
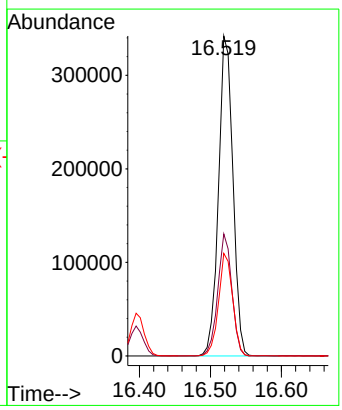


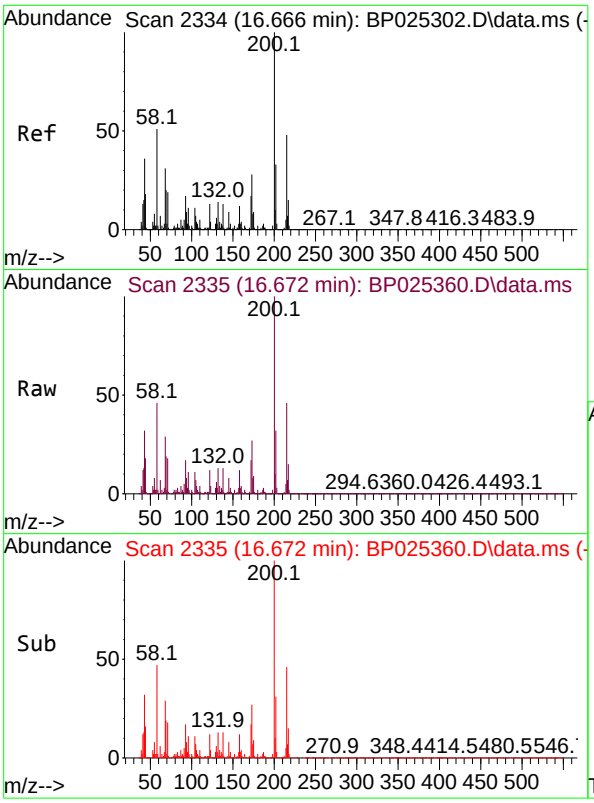


#68
Hexachlorobenzene
Concen: 43.296 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:284 Resp: 479138

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.8	46.2
249	32.1	25.4	38.0





#69
Atrazine
Concen: 42.766 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 44887

Ion	Ratio	Lower	Upper
200	100		
173	27.1	8.2	48.2
215	46.4	28.1	68.1

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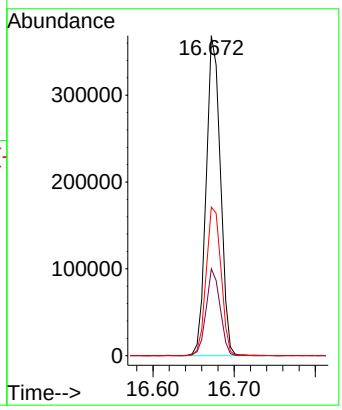
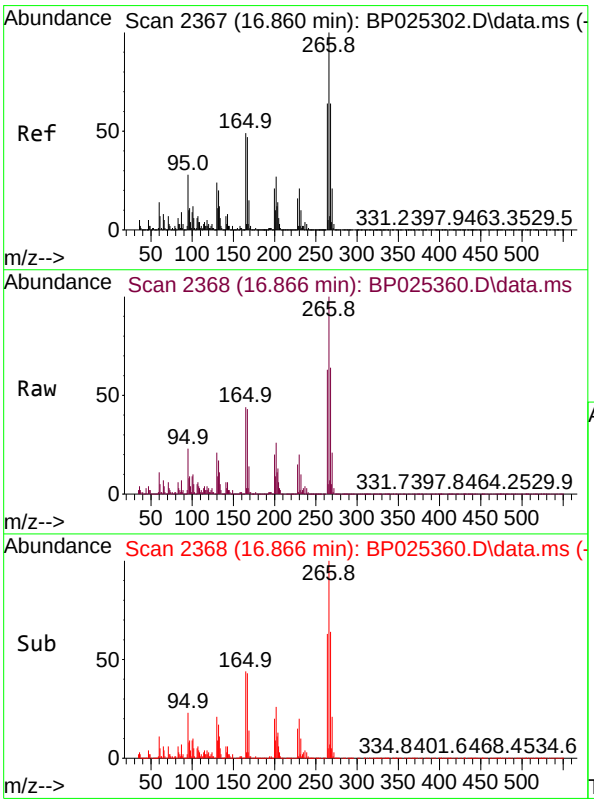
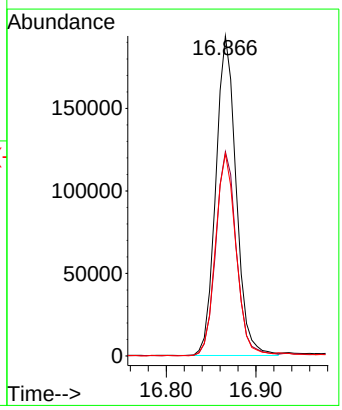


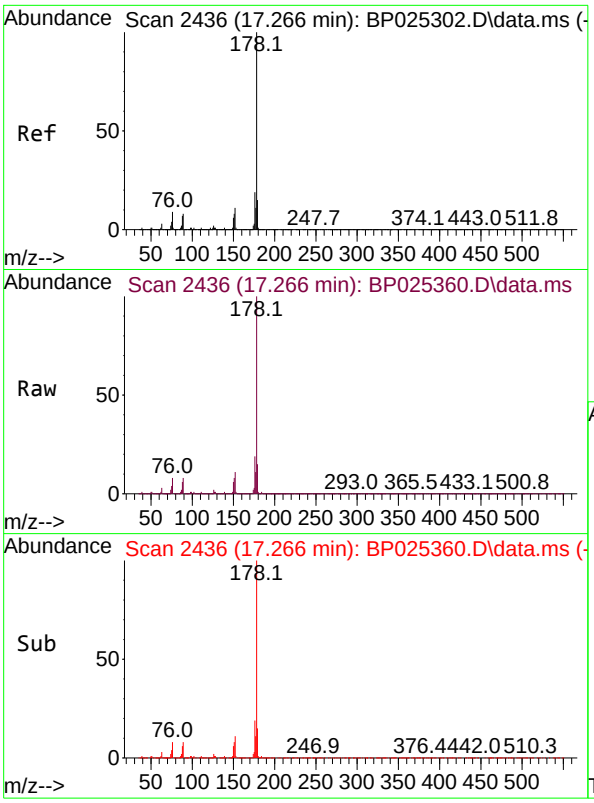


#70
Pentachlorophenol
Concen: 43.240 ng
RT: 16.866 min Scan# 2368
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:266 Resp: 304867

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.4	77.0
264	63.2	51.1	76.7

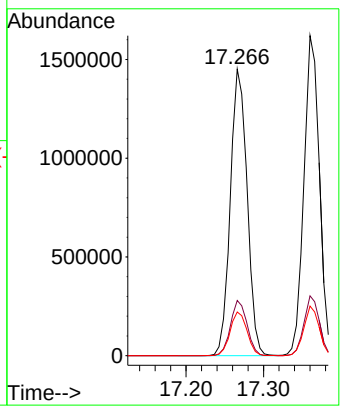




#71
Phenanthrene
Concen: 40.873 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:178 Resp: 219441

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
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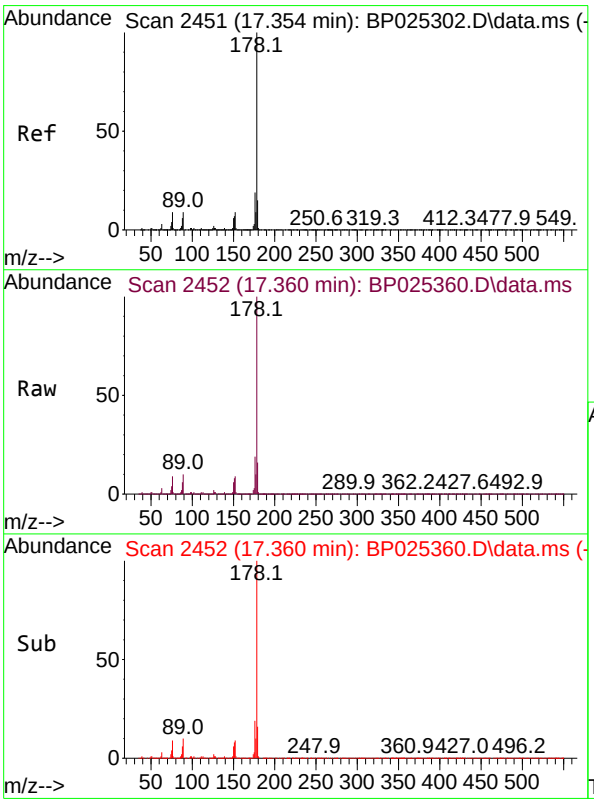
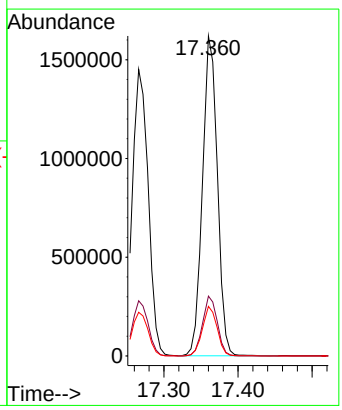
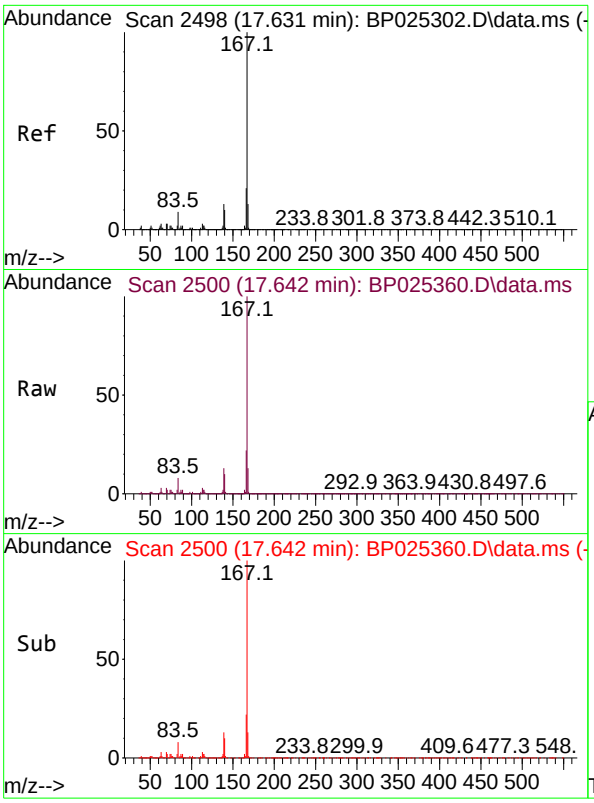


#72
Anthracene
Concen: 41.766 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:178 Resp: 2260955

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.5	12.3	18.5

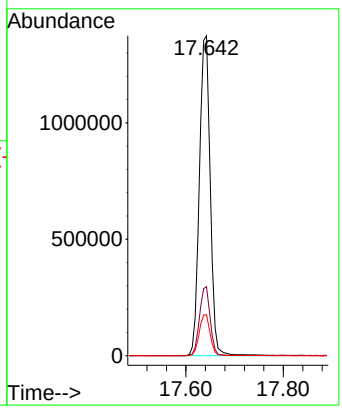




#73
Carbazole
Concen: 40.867 ng
RT: 17.642 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:167 Resp: 212365

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	12.8	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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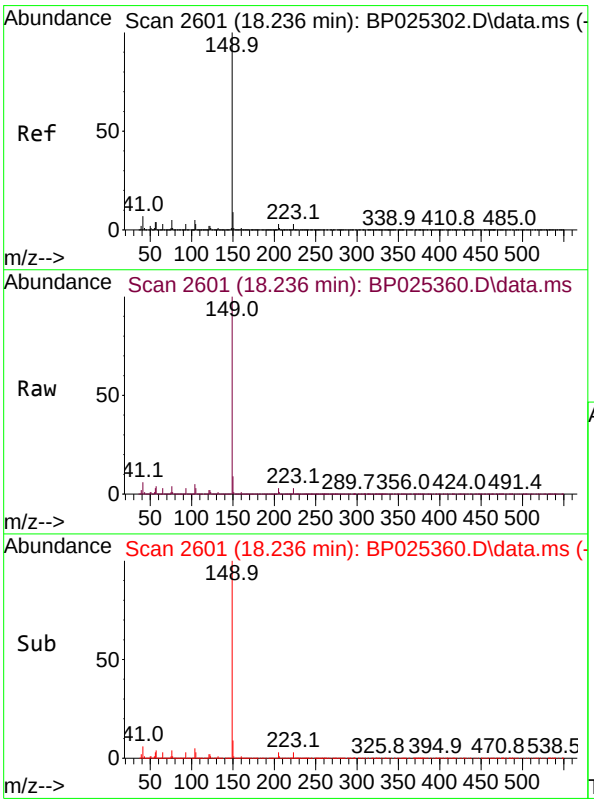
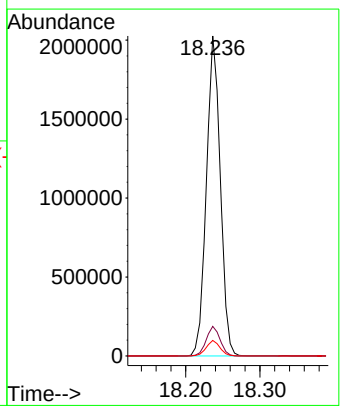
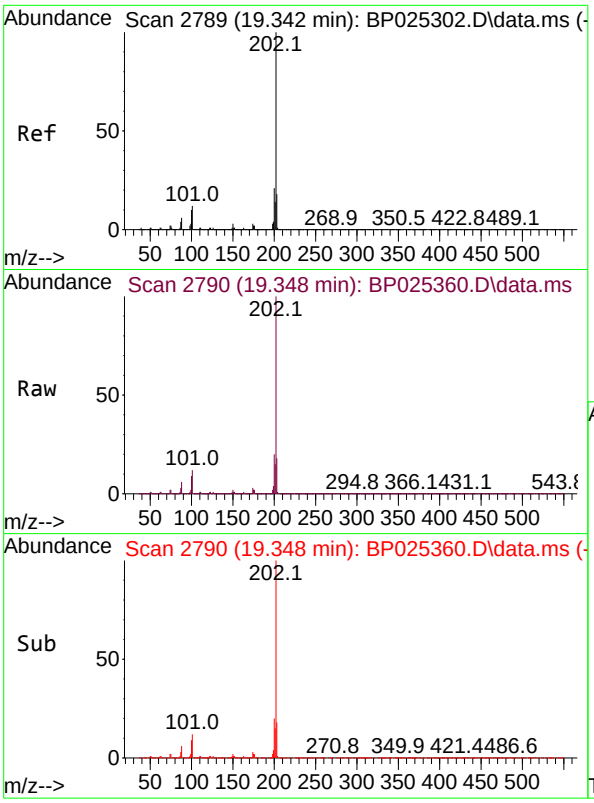


#74
Di-n-butylphthalate
Concen: 42.037 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:149 Resp: 2642646

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.9	4.1	6.1

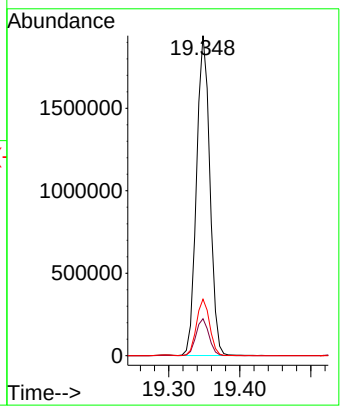




#75
Fluoranthene
Concen: 40.815 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:202 Resp: 253666

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.6	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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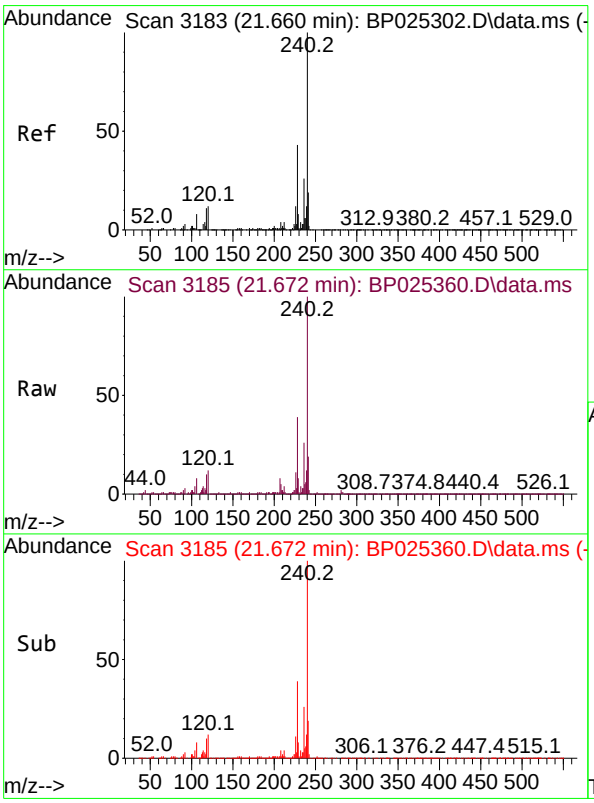
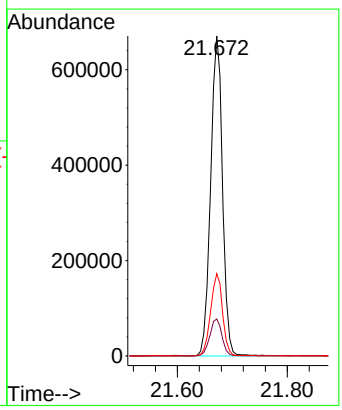
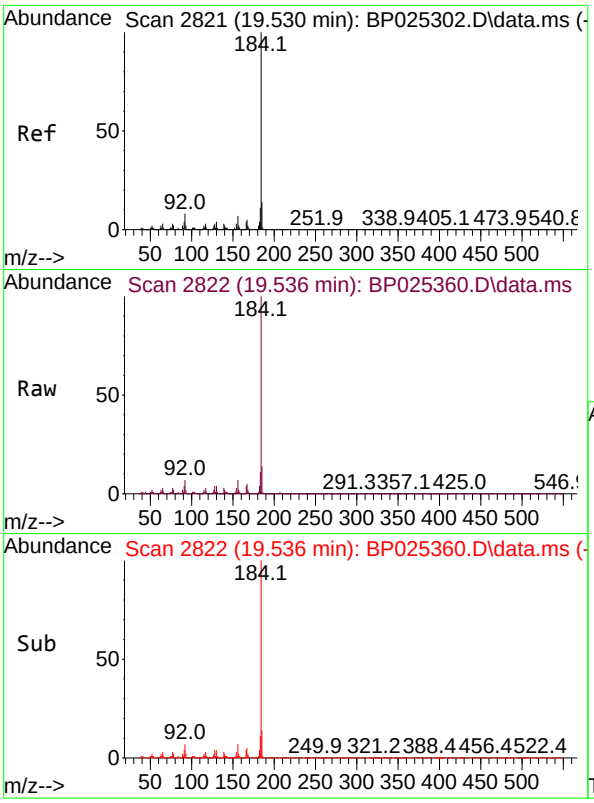


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:240 Resp: 1004808

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.7	20.4	30.6

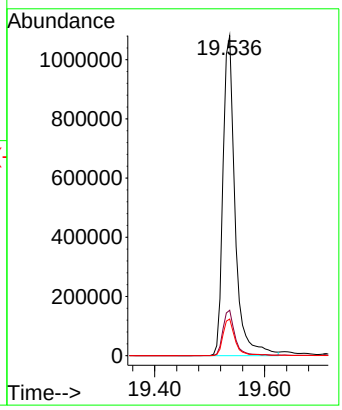




#77
Benzidine
Concen: 45.402 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:184 Resp: 165118

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.0	16.6
183	11.4	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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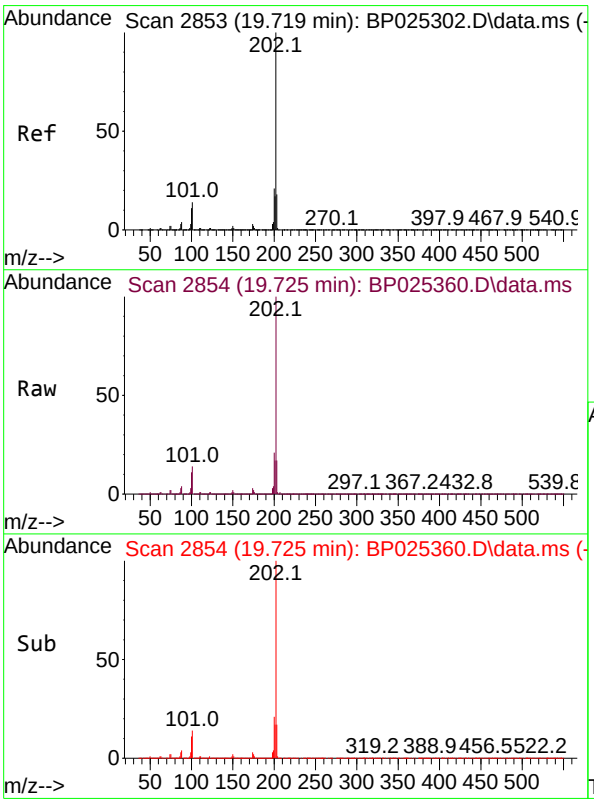
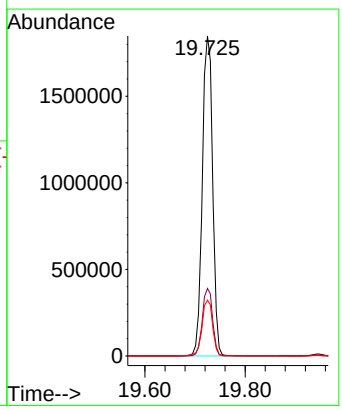
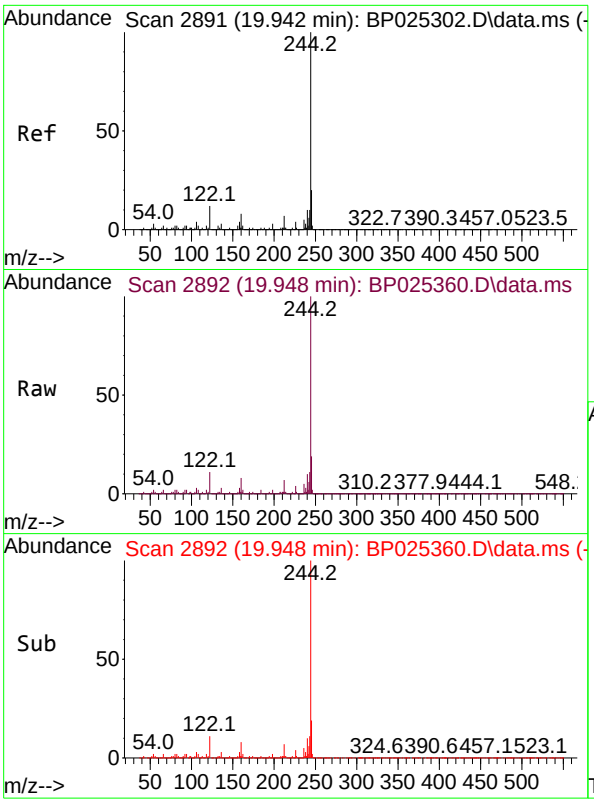


#78
Pyrene
Concen: 39.582 ng
RT: 19.725 min Scan# 2854
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:202 Resp: 2644783

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.4	14.1	21.1

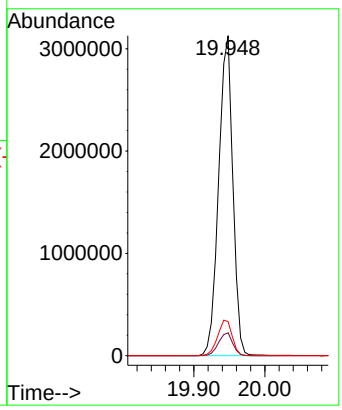




#79
Terphenyl-d14
Concen: 81.161 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:244 Resp: 431768

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.7	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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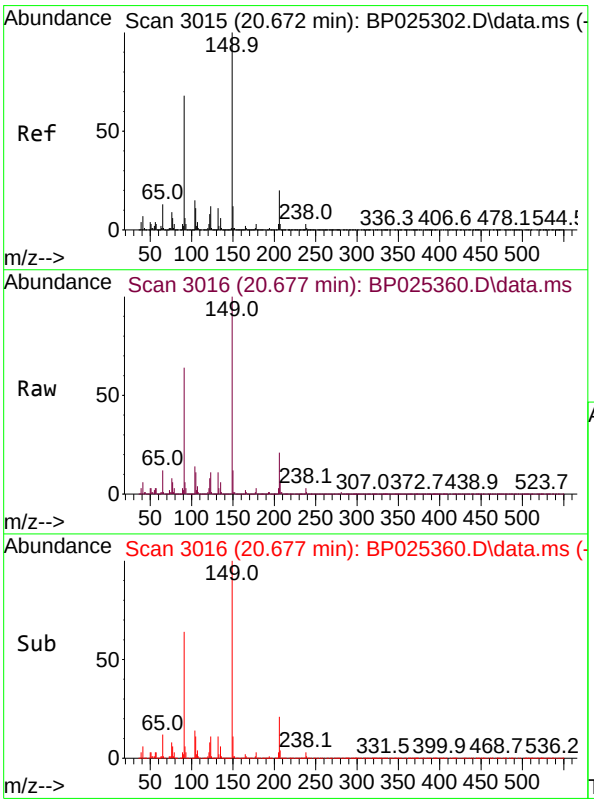
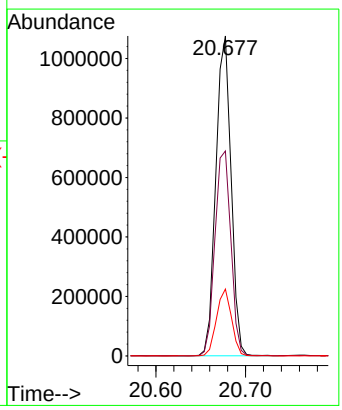
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

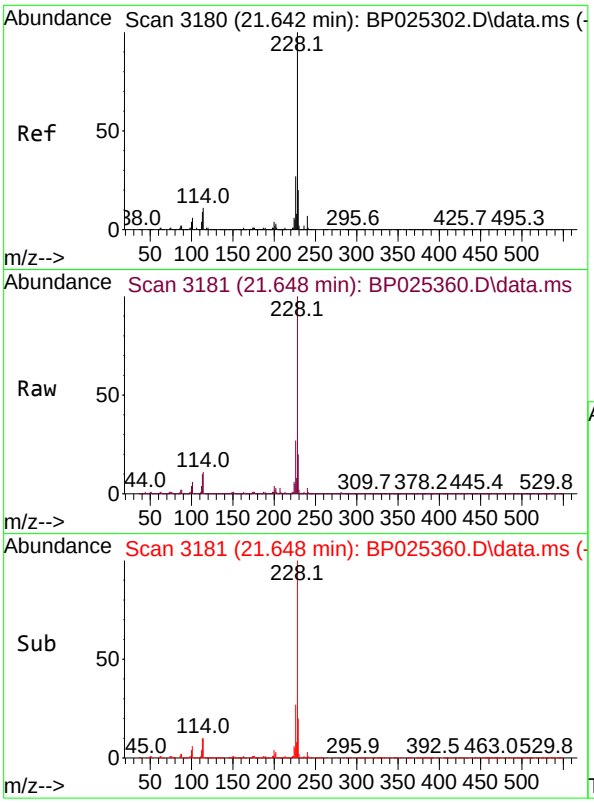


#80
Butylbenzylphthalate
Concen: 46.843 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:149 Resp: 1269396

Ion	Ratio	Lower	Upper
149	100		
91	64.1	54.7	82.1
206	20.9	16.4	24.6

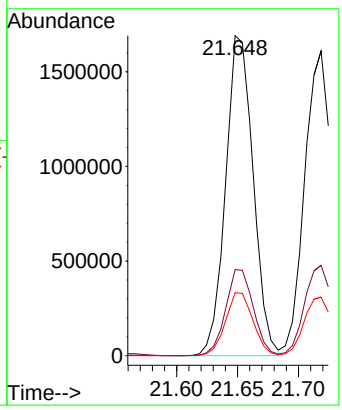




#81
Benzo(a)anthracene
Concen: 39.876 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:228 Resp: 266260

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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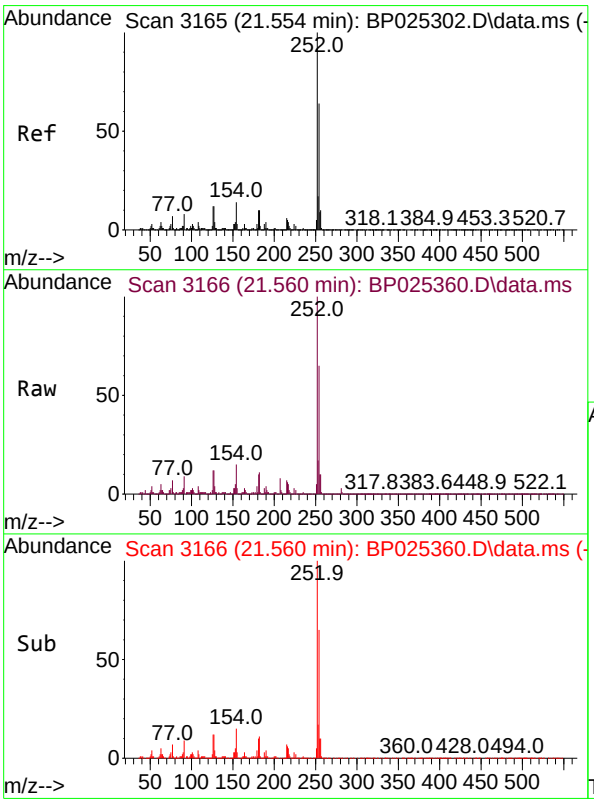
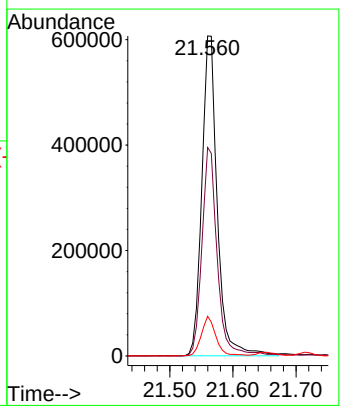
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

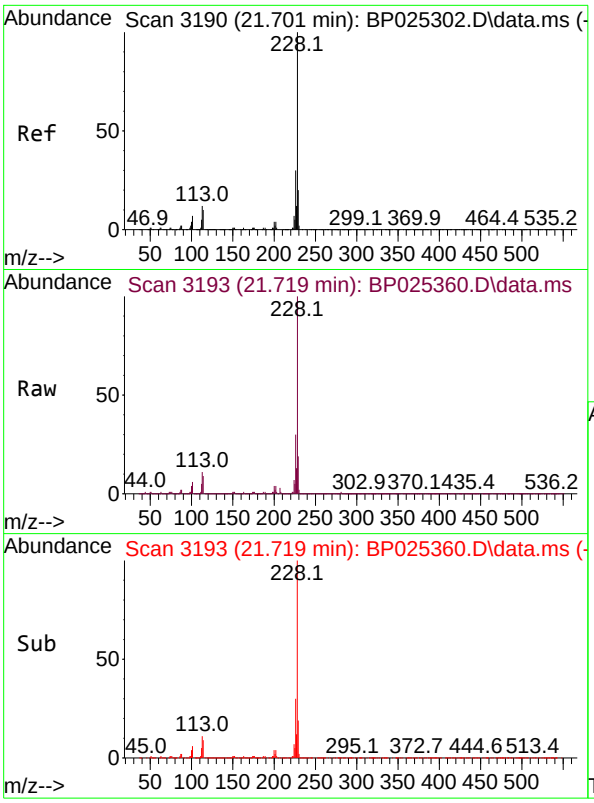


#82
3,3'-Dichlorobenzidine
Concen: 43.881 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:252 Resp: 1033776

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.0	76.6
126	12.4	9.4	14.2

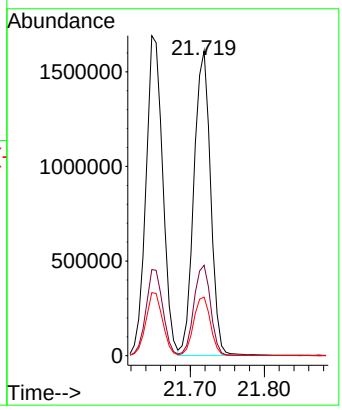




#83
Chrysene
Concen: 40.567 ng
RT: 21.719 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:228 Resp: 251235

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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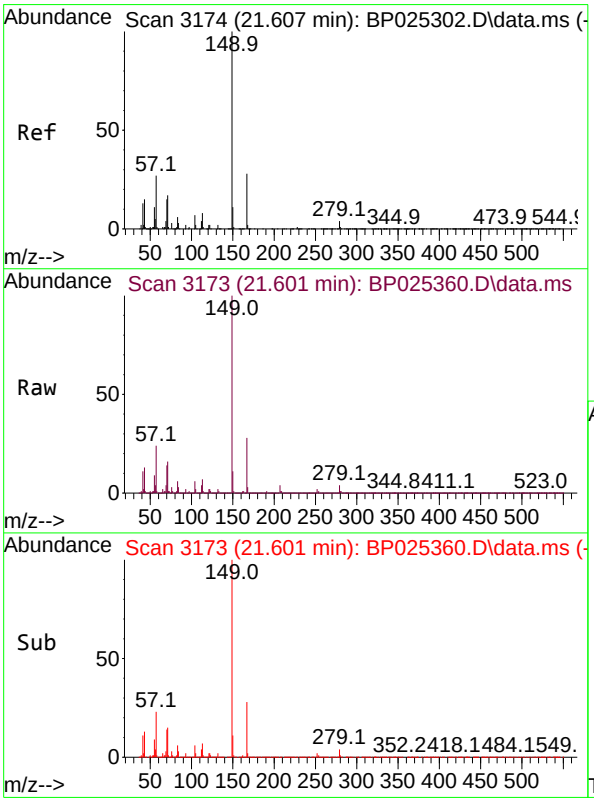
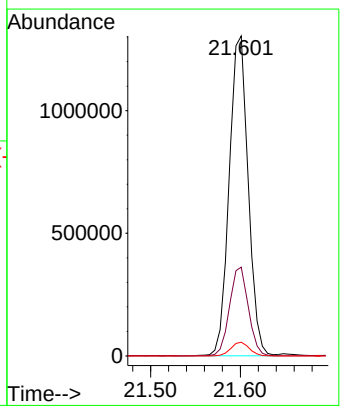
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

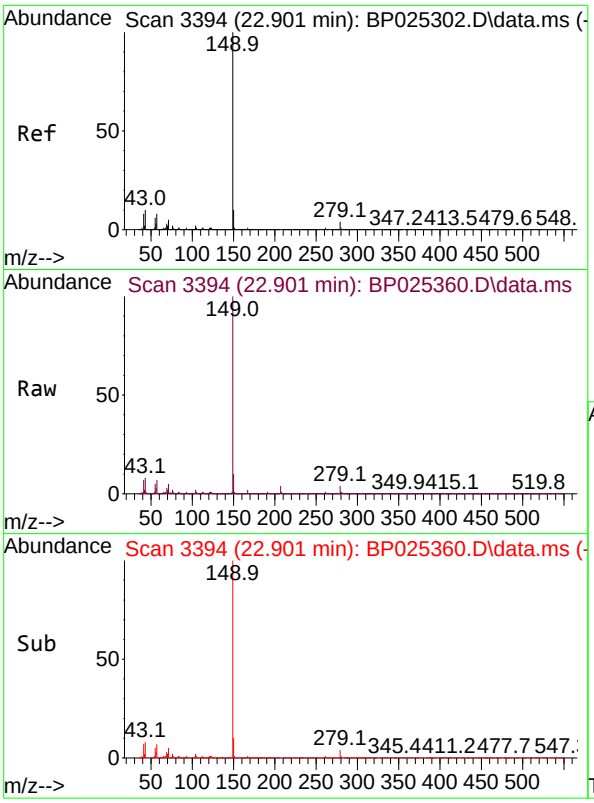


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.225 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:149 Resp: 1913652

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.3	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 46.170 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:149 Resp: 334395

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.6	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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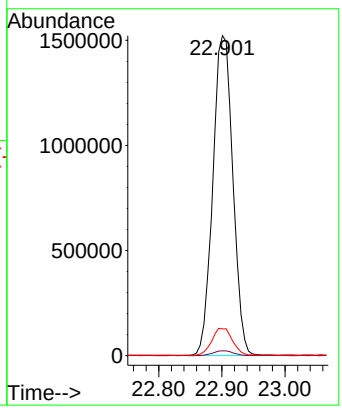
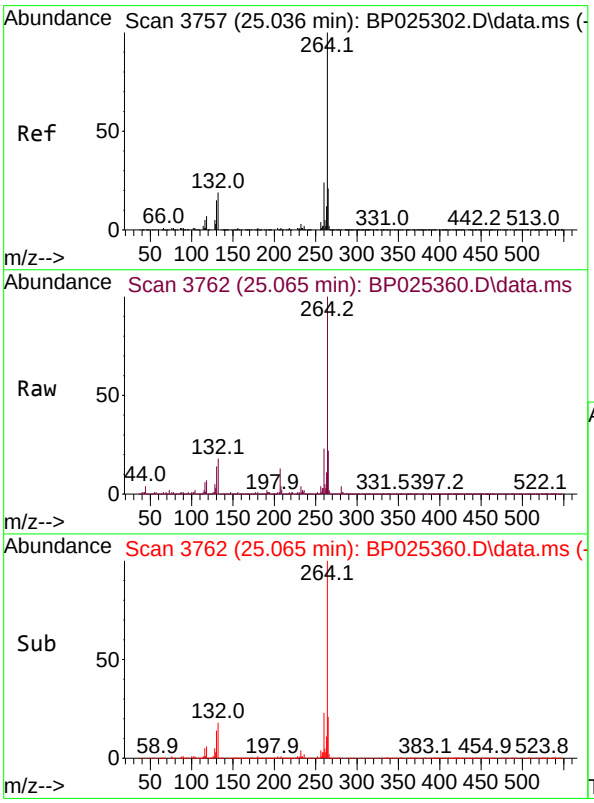
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

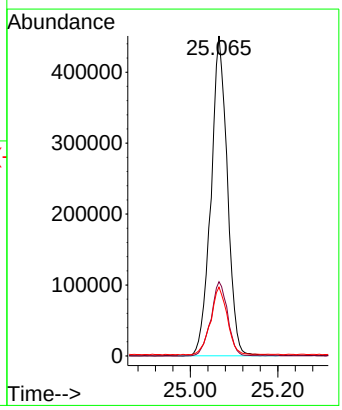


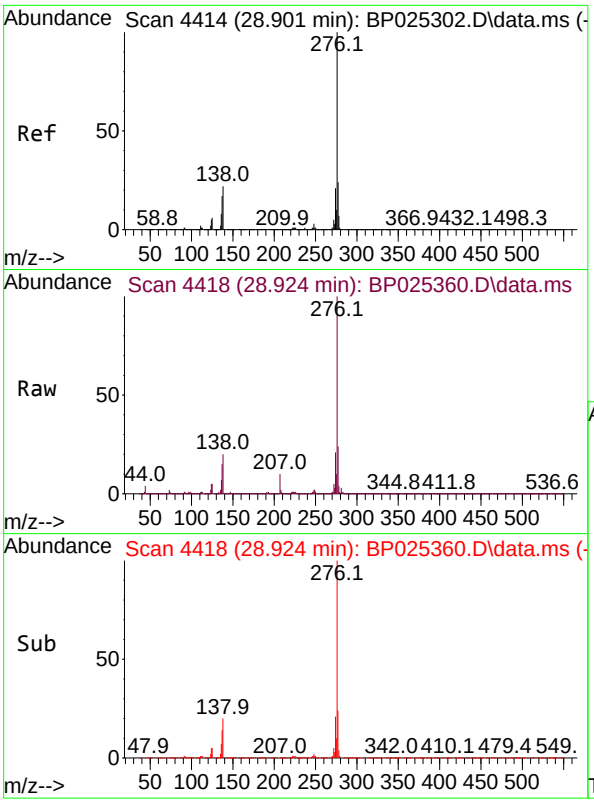


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 3762
Delta R.T. 0.029 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:264 Resp: 1173448

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	17.1	25.7

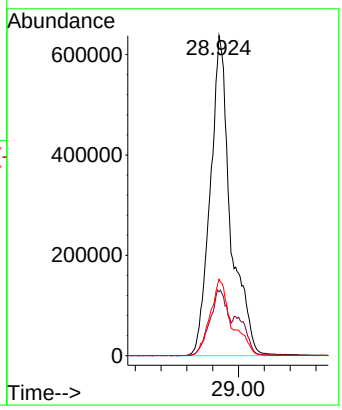




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.576 ng
RT: 28.924 min Scan# 4
Delta R.T. 0.023 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:276 Resp: 349688

Ion	Ratio	Lower	Upper
276	100		
138	17.9	14.6	22.0
277	25.3	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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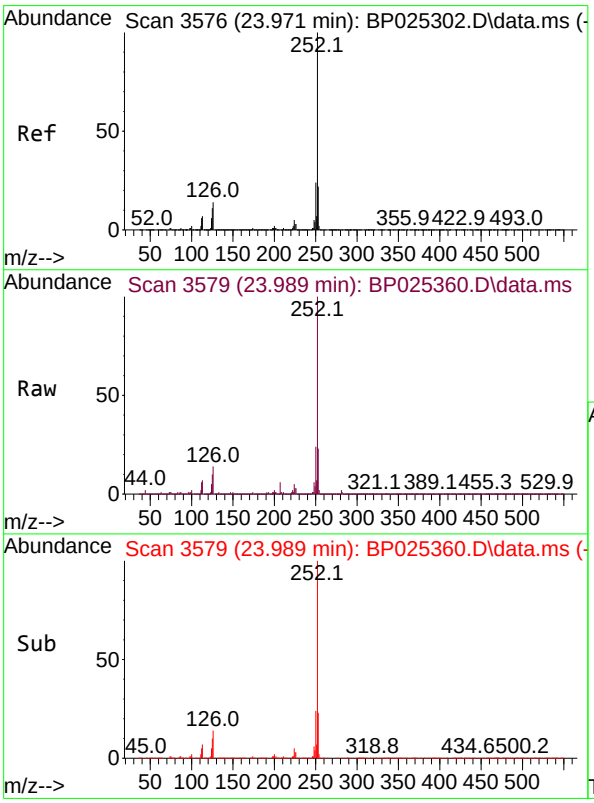
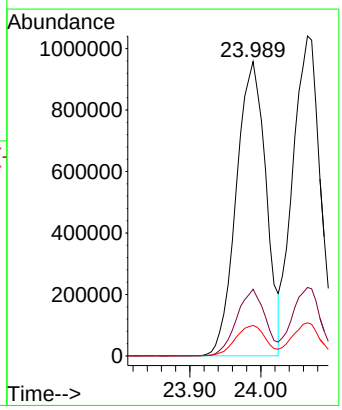
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

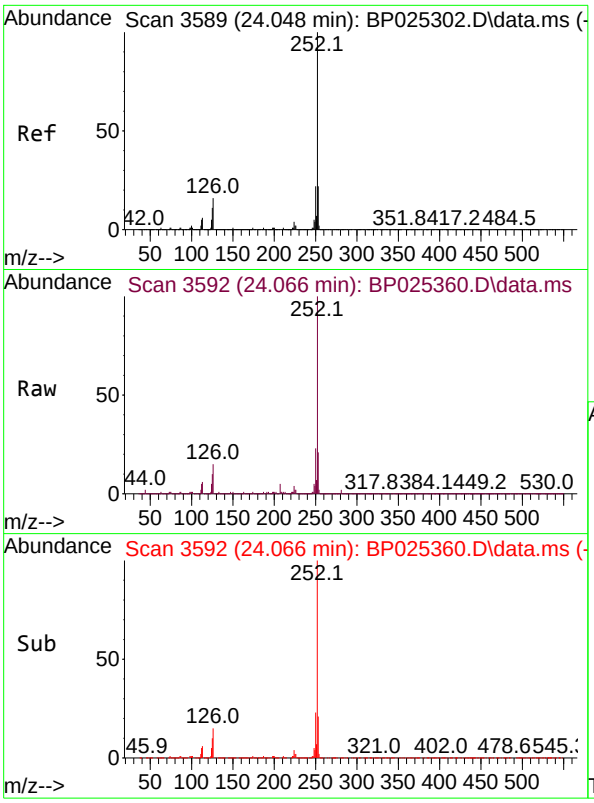


#88
Benzo(b)fluoranthene
Concen: 39.654 ng
RT: 23.989 min Scan# 3579
Delta R.T. 0.018 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:252 Resp: 2785473

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.4	8.5	12.7

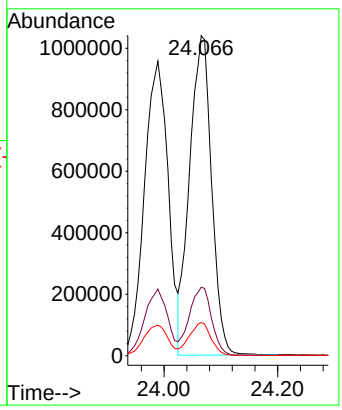




#89
Benzo(k)fluoranthene
Concen: 40.250 ng
RT: 24.066 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:252 Resp: 280279

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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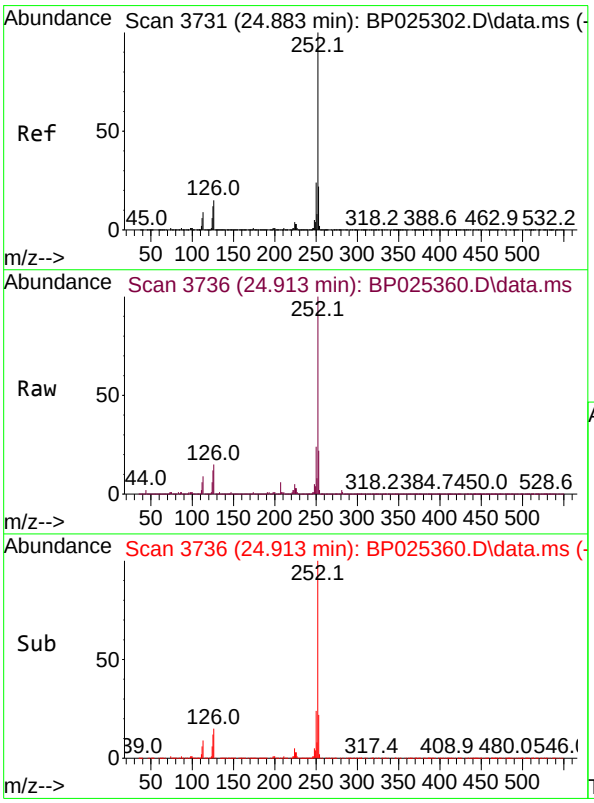
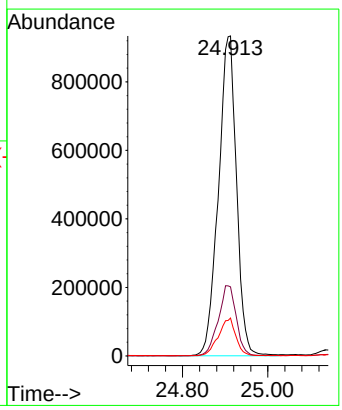
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

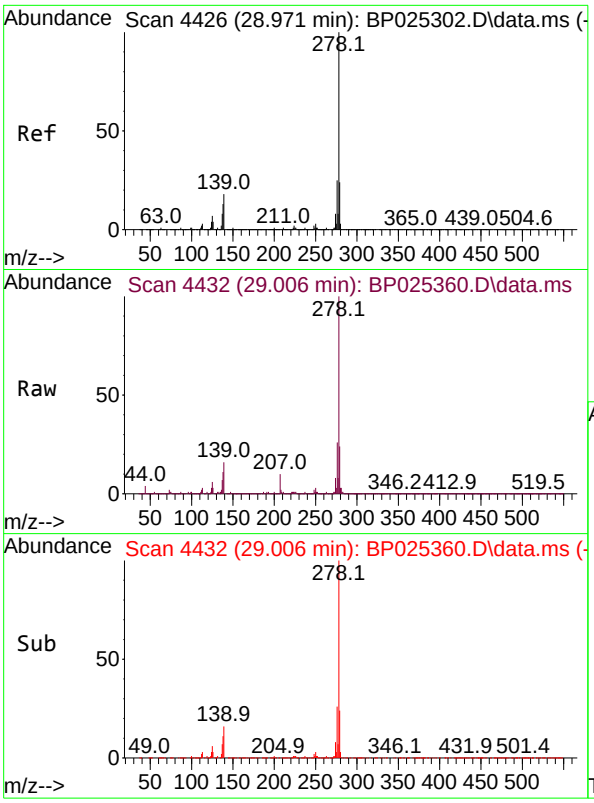


#90
Benzo(a)pyrene
Concen: 40.628 ng
RT: 24.913 min Scan# 3736
Delta R.T. 0.030 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:252 Resp: 2748346

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.8	9.4	14.0

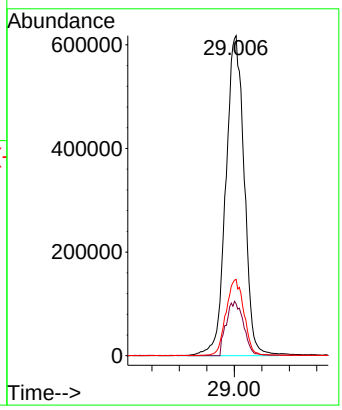




#91
Dibenzo(a,h)anthracene
Concen: 41.664 ng
RT: 29.006 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:278 Resp: 286998

Ion	Ratio	Lower	Upper
278	100		
139	16.2	14.6	22.0
279	23.9	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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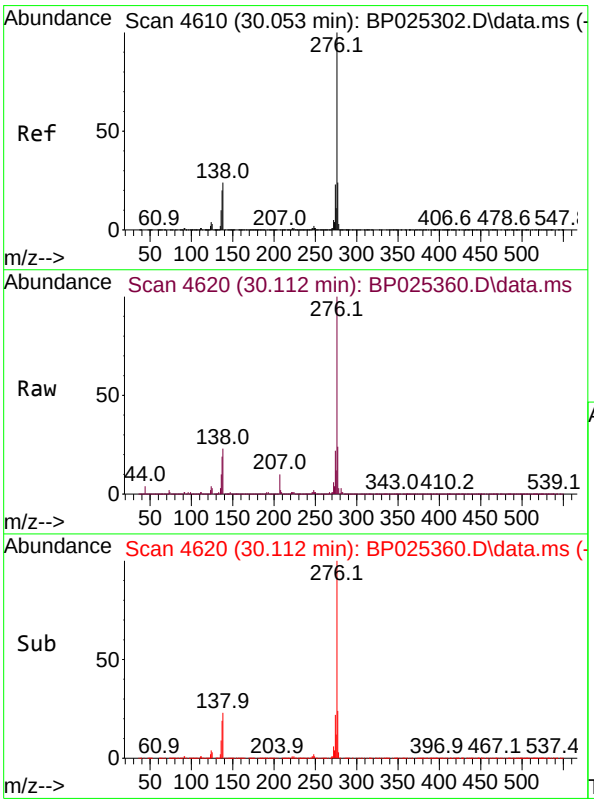
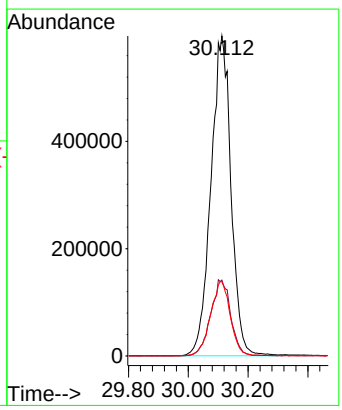
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 41.135 ng
RT: 30.112 min Scan# 4620
Delta R.T. 0.059 min
Lab File: BP025360.D
Acq: 12 Aug 2025 10:07

Tgt Ion:276 Resp: 2780936

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	23.2	19.1	28.7



Sample Results: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	97	0.00
2		1,4-Dioxane	0.491	0.502	-2.2	101	0.00
3		Pyridine	1.363	1.332	2.3	96	0.00
4		n-Nitrosodimethylamine	0.633	0.547	13.6	87	0.00
5	S	2-Fluorophenol	1.244	1.253	-0.7	99	0.00
6		Aniline	2.247	2.115	5.9	93	0.00
7	S	Phenol-d6	1.637	1.559	4.8	93	0.00
8		2-Chlorophenol	1.361	1.382	-1.5	99	0.00
9		Benzaldehyde	1.162	1.287	-10.8	89	0.00
10	C	Phenol	1.751	1.628	7.0	91	0.00
11		bis(2-Chloroethyl)ether	1.372	1.295	5.6	94	0.00
12		1,3-Dichlorobenzene	1.529	1.530	-0.1	101	0.00
13	C	1,4-Dichlorobenzene	1.547	1.546	0.1	99	0.00
14		1,2-Dichlorobenzene	1.499	1.487	0.8	99	0.00
15		Benzyl Alcohol	1.269	1.175	7.4	92	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.825	15.8	84	0.00
17		2-Methylphenol	1.172	1.125	4.0	93	0.00
18		Hexachloroethane	0.553	0.575	-4.0	103	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	1.014	5.7	91	0.00
20		3+4-Methylphenols	1.613	1.517	6.0	93	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22		Acetophenone	0.502	0.507	-1.0	94	0.00
23	S	Nitrobenzene-d5	0.361	0.396	-9.7	97	0.00
24		Nitrobenzene	0.342	0.354	-3.5	94	0.00
25		Isophorone	0.719	0.703	2.2	90	0.00
26	C	2-Nitrophenol	0.126	0.183	-45.2#	131	0.00
27		2,4-Dimethylphenol	0.331	0.314	5.1	89	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.430	1.6	91	0.00
29	C	2,4-Dichlorophenol	0.290	0.302	-4.1	93	0.01
30		1,2,4-Trichlorobenzene	0.320	0.335	-4.7	99	0.00
31		Naphthalene	1.038	1.049	-1.1	95	0.00
32		Benzoic acid	0.168	0.219	-30.4#	119	0.02
33		4-Chloroaniline	0.462	0.446	3.5	89	0.00
34	C	Hexachlorobutadiene	0.184	0.200	-8.7	102	0.00
35		Caprolactam	0.113	0.112	0.9	89	0.02
36	C	4-Chloro-3-methylphenol	0.336	0.336	0.0	90	0.02
37		2-Methylnaphthalene	0.672	0.673	-0.1	94	0.01
38		1-Methylnaphthalene	0.701	0.705	-0.6	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.01
40		1,2,4,5-Tetrachlorobenzene	0.546	0.572	-4.8	96	0.01
41	P	Hexachlorocyclopentadiene	0.337	0.372	-10.4	104	0.00
42	S	2,4,6-Tribromophenol	0.200	0.248	-24.0	107	0.01
43	C	2,4,6-Trichlorophenol	0.353	0.390	-10.5	98	0.00
44		2,4,5-Trichlorophenol	0.396	0.424	-7.1	95	0.01
45	S	2-Fluorobiphenyl	1.448	1.461	-0.9	93	0.01
46		1,1'-Biphenyl	1.474	1.484	-0.7	94	0.00
47		2-Chloronaphthalene	1.124	1.145	-1.9	95	0.00

Sample Results: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	0.288	0.333	-15.6	100	0.00
49		Acenaphthylene	1.876	1.888	-0.6	93	0.00
50		Dimethylphthalate	1.458	1.456	0.1	94	0.00
51		2,6-Dinitrotoluene	0.269	0.319	-18.6	102	0.01
52	C	Acenaphthene	1.144	1.186	-3.7	98	0.00
53		3-Nitroaniline	0.315	0.360	-14.3	100	0.00
54	P	2,4-Dinitrophenol	0.105	0.148	-41.0#	143	0.01
55		Dibenzofuran	1.710	1.714	-0.2	94	0.00
56	P	4-Nitrophenol	0.278	0.270	2.9	88	0.02
57		2,4-Dinitrotoluene	0.359	0.449	-25.1#	106	0.01
58		Fluorene	1.343	1.351	-0.6	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.366	-10.6	98	0.00
60		Diethylphthalate	1.470	1.467	0.2	94	0.00
61		4-Chlorophenyl-phenylether	0.637	0.652	-2.4	95	0.00
62		4-Nitroaniline	0.312	0.355	-13.8	97	0.01
63		Azobenzene	1.366	1.304	4.5	89	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	0.080	0.122	-52.5#	145	0.00
66	c	n-Nitrosodiphenylamine	0.609	0.638	-4.8	94	0.00
67		4-Bromophenyl-phenylether	0.201	0.218	-8.5	98	0.00
68		Hexachlorobenzene	0.226	0.244	-8.0	99	0.00
69		Atrazine	0.214	0.229	-7.0	96	0.00
70	C	Pentachlorophenol	0.144	0.156	-8.3	97	0.00
71		Phenanthrene	1.095	1.119	-2.2	93	0.00
72		Anthracene	1.105	1.153	-4.3	94	0.00
73		Carbazole	1.060	1.083	-2.2	92	0.01
74		Di-n-butylphthalate	1.283	1.348	-5.1	93	0.00
75	C	Fluoranthene	1.268	1.294	-2.1	92	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.01
77		Benzidine	0.724	0.822	-13.5	77	0.00
78		Pyrene	1.330	1.316	1.1	93	0.00
79	S	Terphenyl-d14	1.059	1.074	-1.4	94	0.00
80		Butylbenzylphthalate	0.539	0.632	-17.3	102	0.00
81		Benzo(a)anthracene	1.329	1.325	0.3	93	0.00
82		3,3'-Dichlorobenzidine	0.469	0.514	-9.6	99	0.00
83		Chrysene	1.233	1.250	-1.4	94	0.02
84		Bis(2-ethylhexyl)phthalate	0.861	0.952	-10.6	98	0.00
85	c	Di-n-octyl phthalate	1.442	1.664	-15.4	101	0.00
86	I	Perylene-d12	1.000	1.000	0.0	93	0.03
87		Indeno(1,2,3-cd)pyrene	1.434	1.490	-3.9	96	0.02
88		Benzo(b)fluoranthene	1.197	1.187	0.8	93	0.02
89		Benzo(k)fluoranthene	1.187	1.194	-0.6	95	0.02
90	C	Benzo(a)pyrene	1.153	1.171	-1.6	94	0.03
91		Dibenzo(a,h)anthracene	1.174	1.223	-4.2	96	0.04
92		Benzo(g,h,i)perylene	1.152	1.185	-2.9	95	0.06

Sample Results: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	97	0.00
2		1,4-Dioxane	40.000	40.920	-2.3	101	0.00
3		Pyridine	40.000	39.089	2.3	96	0.00
4		n-Nitrosodimethylamine	40.000	34.545	13.6	87	0.00
5	S	2-Fluorophenol	80.000	80.628	-0.8	99	0.00
6		Aniline	40.000	37.650	5.9	93	0.00
7	S	Phenol-d6	80.000	76.191	4.8	93	0.00
8		2-Chlorophenol	40.000	40.622	-1.6	99	0.00
9		Benzaldehyde	40.000	44.293	-10.7	89	0.00
10	C	Phenol	40.000	37.200	7.0	91	0.00
11		bis(2-Chloroethyl)ether	40.000	37.741	5.6	94	0.00
12		1,3-Dichlorobenzene	40.000	40.016	-0.0	101	0.00
13	C	1,4-Dichlorobenzene	40.000	39.967	0.1	99	0.00
14		1,2-Dichlorobenzene	40.000	39.685	0.8	99	0.00
15		Benzyl Alcohol	40.000	37.054	7.4	92	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.676	15.8	84	0.00
17		2-Methylphenol	40.000	38.411	4.0	93	0.00
18		Hexachloroethane	40.000	41.571	-3.9	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.717	5.7	91	0.00
20		3+4-Methylphenols	40.000	37.617	6.0	93	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22		Acetophenone	40.000	40.395	-1.0	94	0.00
23	S	Nitrobenzene-d5	80.000	87.773	-9.7	97	0.00
24		Nitrobenzene	40.000	41.415	-3.5	94	0.00
25		Isophorone	40.000	39.105	2.2	90	0.00
26	C	2-Nitrophenol	40.000	48.978	-22.4#	131	0.00
27		2,4-Dimethylphenol	40.000	37.957	5.1	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.308	1.7	91	0.00
29	C	2,4-Dichlorophenol	40.000	41.592	-4.0	93	0.01
30		1,2,4-Trichlorobenzene	40.000	41.895	-4.7	99	0.00
31		Naphthalene	40.000	40.429	-1.1	95	0.00
32		Benzoic acid	40.000	46.843	-17.1	119	0.02
33		4-Chloroaniline	40.000	38.655	3.4	89	0.00
34	C	Hexachlorobutadiene	40.000	43.580	-8.9	102	0.00
35		Caprolactam	40.000	39.842	0.4	89	0.02
36	C	4-Chloro-3-methylphenol	40.000	40.098	-0.2	90	0.02
37		2-Methylnaphthalene	40.000	40.051	-0.1	94	0.01
38		1-Methylnaphthalene	40.000	40.230	-0.6	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	92	0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	41.935	-4.8	96	0.01
41	P	Hexachlorocyclopentadiene	40.000	44.201	-10.5	104	0.00
42	S	2,4,6-Tribromophenol	80.000	99.294	-24.1	107	0.01
43	C	2,4,6-Trichlorophenol	40.000	44.246	-10.6	98	0.00
44		2,4,5-Trichlorophenol	40.000	42.887	-7.2	95	0.01
45	S	2-Fluorobiphenyl	80.000	80.727	-0.9	93	0.01
46		1,1'-Biphenyl	40.000	40.262	-0.7	94	0.00
47		2-Chloronaphthalene	40.000	40.740	-1.9	95	0.00

Sample Results: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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	40.947	-2.4	100	0.00
49		Acenaphthylene	40.000	40.266	-0.7	93	0.00
50		Dimethylphthalate	40.000	39.945	0.1	94	0.00
51		2,6-Dinitrotoluene	40.000	47.464	-18.7	102	0.01
52	C	Acenaphthene	40.000	41.464	-3.7	98	0.00
53		3-Nitroaniline	40.000	45.776	-14.4	100	0.00
54	P	2,4-Dinitrophenol	40.000	51.187	-28.0#	143	0.01
55		Dibenzofuran	40.000	40.091	-0.2	94	0.00
56	P	4-Nitrophenol	40.000	38.916	2.7	88	0.02
57		2,4-Dinitrotoluene	40.000	43.380	-8.5	106	0.01
58		Fluorene	40.000	40.245	-0.6	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.239	-10.6	98	0.00
60		Diethylphthalate	40.000	39.922	0.2	94	0.00
61		4-Chlorophenyl-phenylether	40.000	40.936	-2.3	95	0.00
62		4-Nitroaniline	40.000	45.592	-14.0	97	0.01
63		Azobenzene	40.000	38.207	4.5	89	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	40.000	53.009	-32.5#	145	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.916	-4.8	94	0.00
67		4-Bromophenyl-phenylether	40.000	43.265	-8.2	98	0.00
68		Hexachlorobenzene	40.000	43.296	-8.2	99	0.00
69		Atrazine	40.000	42.766	-6.9	96	0.00
70	C	Pentachlorophenol	40.000	43.240	-8.1	97	0.00
71		Phenanthrene	40.000	40.873	-2.2	93	0.00
72		Anthracene	40.000	41.766	-4.4	94	0.00
73		Carbazole	40.000	40.867	-2.2	92	0.01
74		Di-n-butylphthalate	40.000	42.037	-5.1	93	0.00
75	C	Fluoranthene	40.000	40.815	-2.0	92	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.01
77		Benzidine	40.000	45.402	-13.5	77	0.00
78		Pyrene	40.000	39.582	1.0	93	0.00
79	S	Terphenyl-d14	80.000	81.161	-1.5	94	0.00
80		Butylbenzylphthalate	40.000	46.843	-17.1	102	0.00
81		Benzo(a)anthracene	40.000	39.876	0.3	93	0.00
82		3,3'-Dichlorobenzidine	40.000	43.881	-9.7	99	0.00
83		Chrysene	40.000	40.567	-1.4	94	0.02
84		Bis(2-ethylhexyl)phthalate	40.000	44.225	-10.6	98	0.00
85	c	Di-n-octyl phthalate	40.000	46.170	-15.4	101	0.00
86	I	Perylene-d12	20.000	20.000	0.0	93	0.03
87		Indeno(1,2,3-cd)pyrene	40.000	41.576	-3.9	96	0.02
88		Benzo(b)fluoranthene	40.000	39.654	0.9	93	0.02
89		Benzo(k)fluoranthene	40.000	40.250	-0.6	95	0.02
90	C	Benzo(a)pyrene	40.000	40.628	-1.6	94	0.03
91		Dibenzo(a,h)anthracene	40.000	41.664	-4.2	96	0.04
92		Benzo(g,h,i)perylene	40.000	41.135	-2.8	95	0.06

Sample Results: **BP025360.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025360.D
Acq On : 12 Aug 2025 10:07
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 12 11:32:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 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

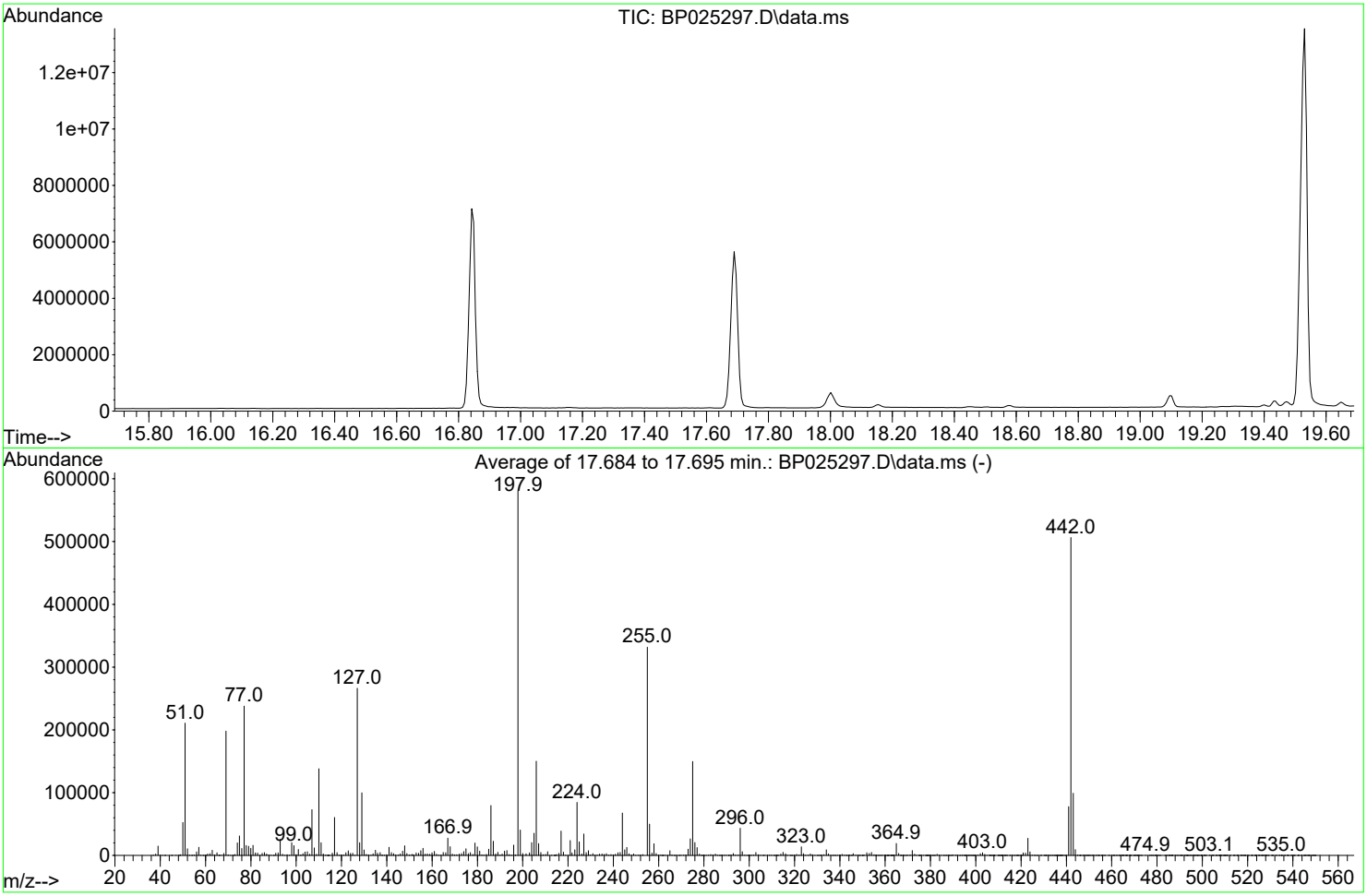
Sample Results: **BP025297.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025



AutoFind: Scans 2507, 2508, 2509; Background Corrected with Scan 2497

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3139	PASS
69	69	100	100	100.0	197961	PASS
70	69	0.00	2	0.5	1001	PASS
197	198	0.00	2	0.2	934	PASS
198	198	100	100	100.0	580472	PASS
199	198	5	9	7.0	40411	PASS
365	198	1	100	3.3	19143	PASS
441	443	0.01	150	78.4	77662	PASS
442	442	100	100	100.0	506491	PASS
443	442	15	24	19.6	99034	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/5/2025	BNA_P	BP025297.D
Compound Name	**Response**	**Retention Time**
DDT	2359483	20.83
DDD	25464	20.425
DDE	1490	19.836
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
26954	2386437	1.13

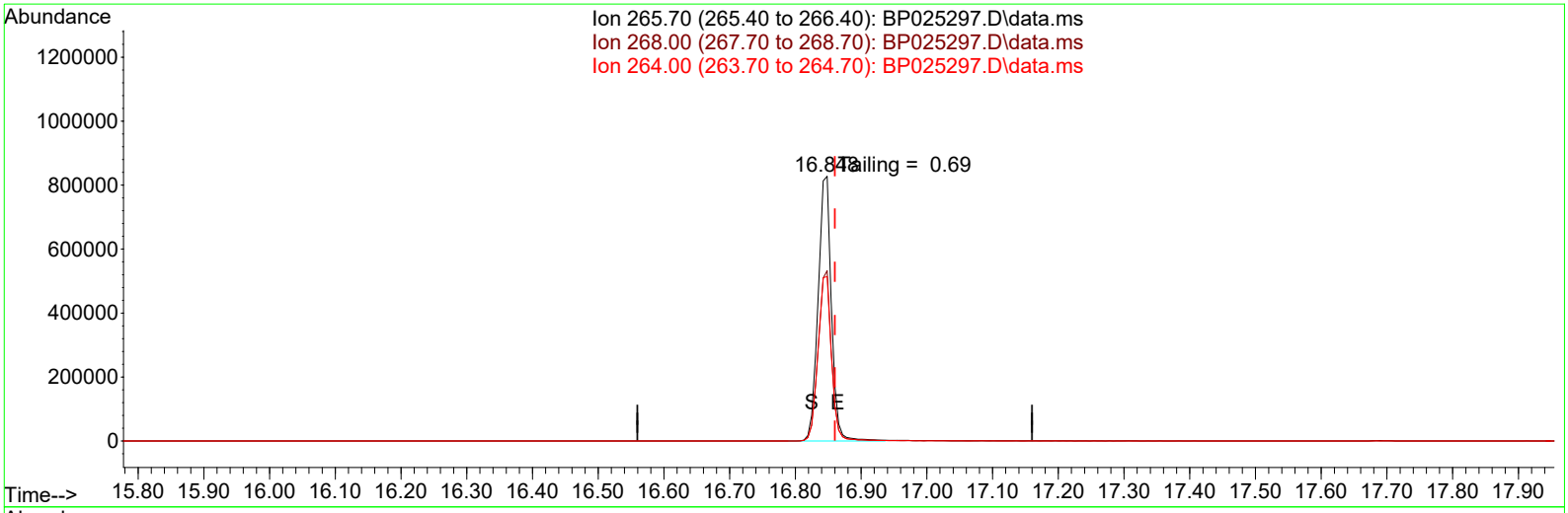
Instrument :
BNA_P
ClientSampleId :
DFTPP

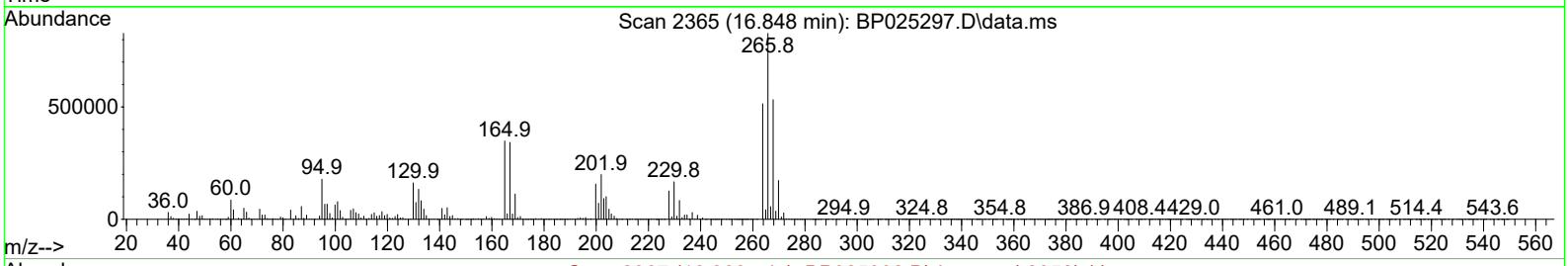
Sample Results: **BP025297.D**

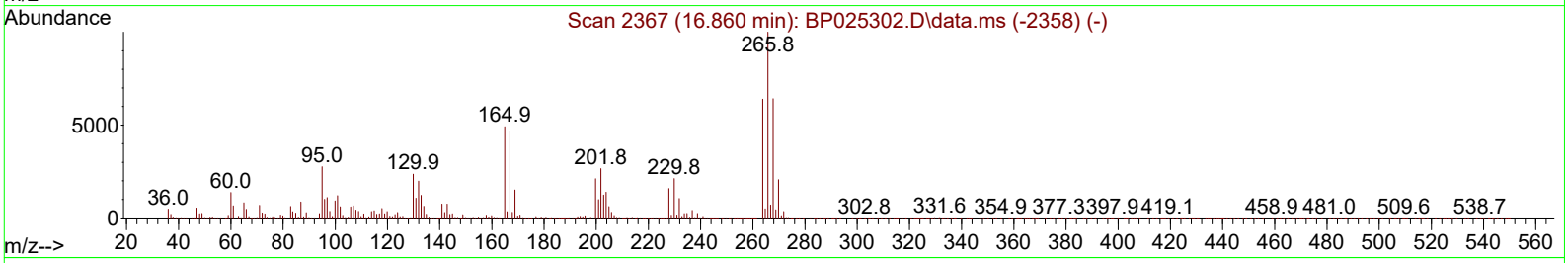
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 06 07:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025297.D\data.ms

(70) Pentachlorophenol (C)

16.848min (-0.012) 1707314.09 ng

response 1166643

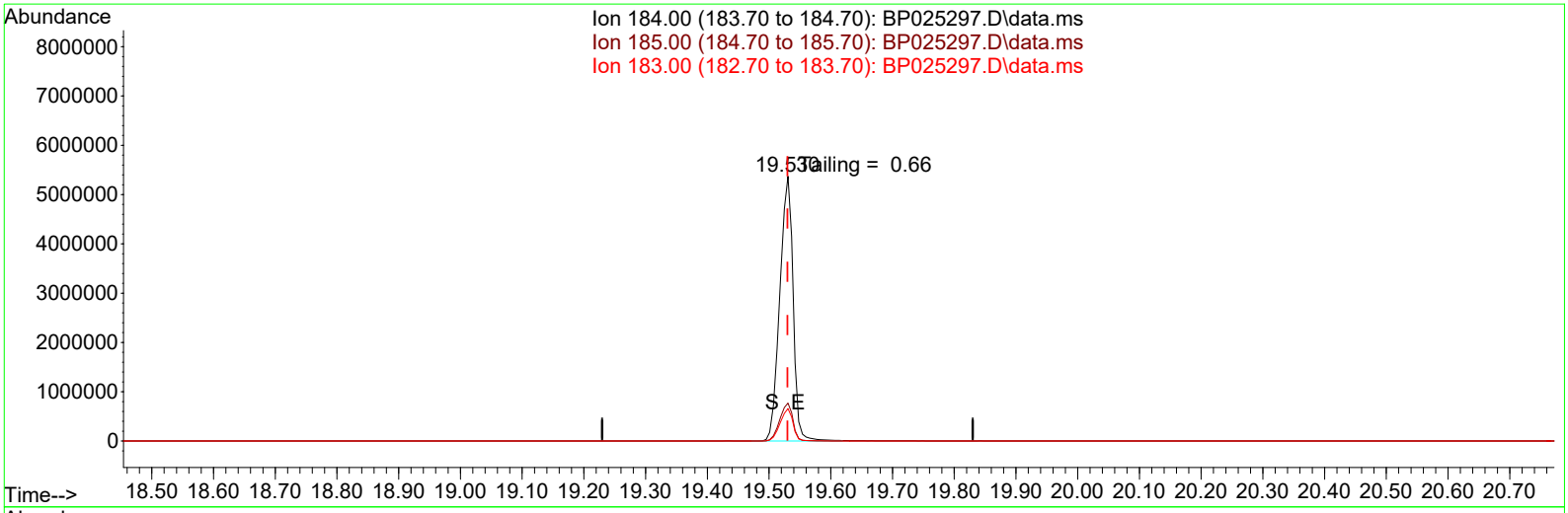
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.20	64.31
264.00	63.90	62.13
0.00	0.00	0.00

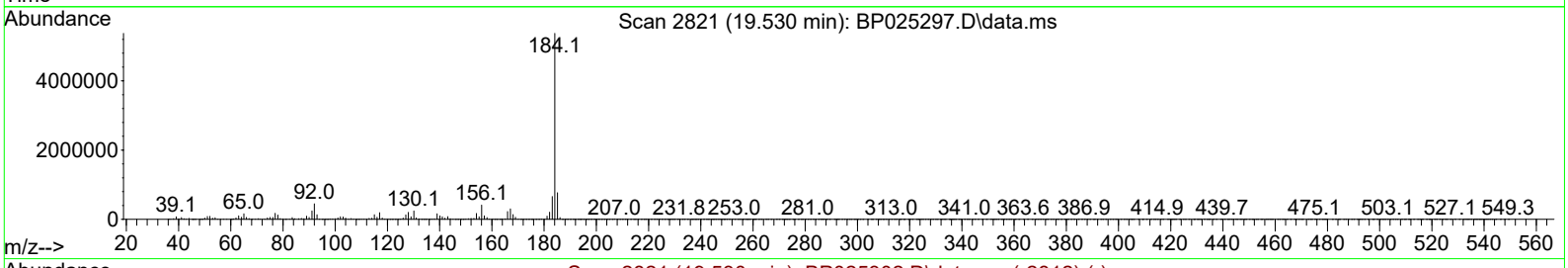
Sample Results: **BP025297.D**

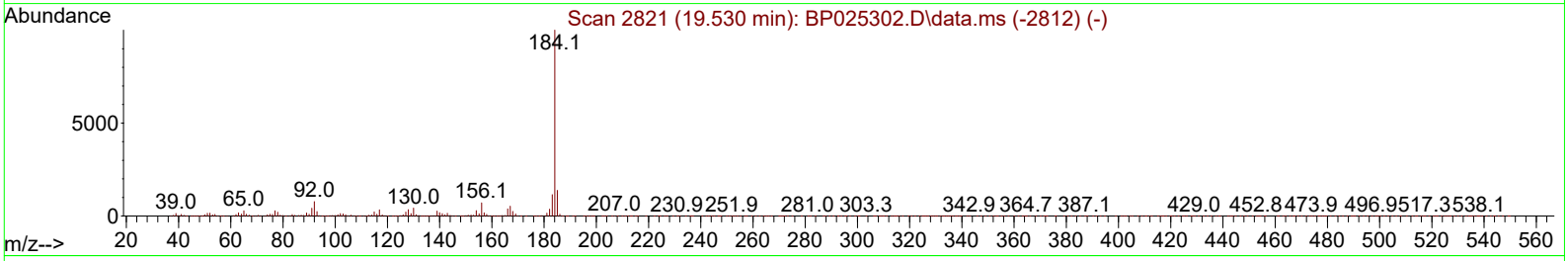
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 06 07:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025297.D\data.ms

(77) Benzidine

19.530min (+ 0.000) 113432.74 ng

response 8120949

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.80	14.30
183.00	11.50	12.22
0.00	0.00	0.00

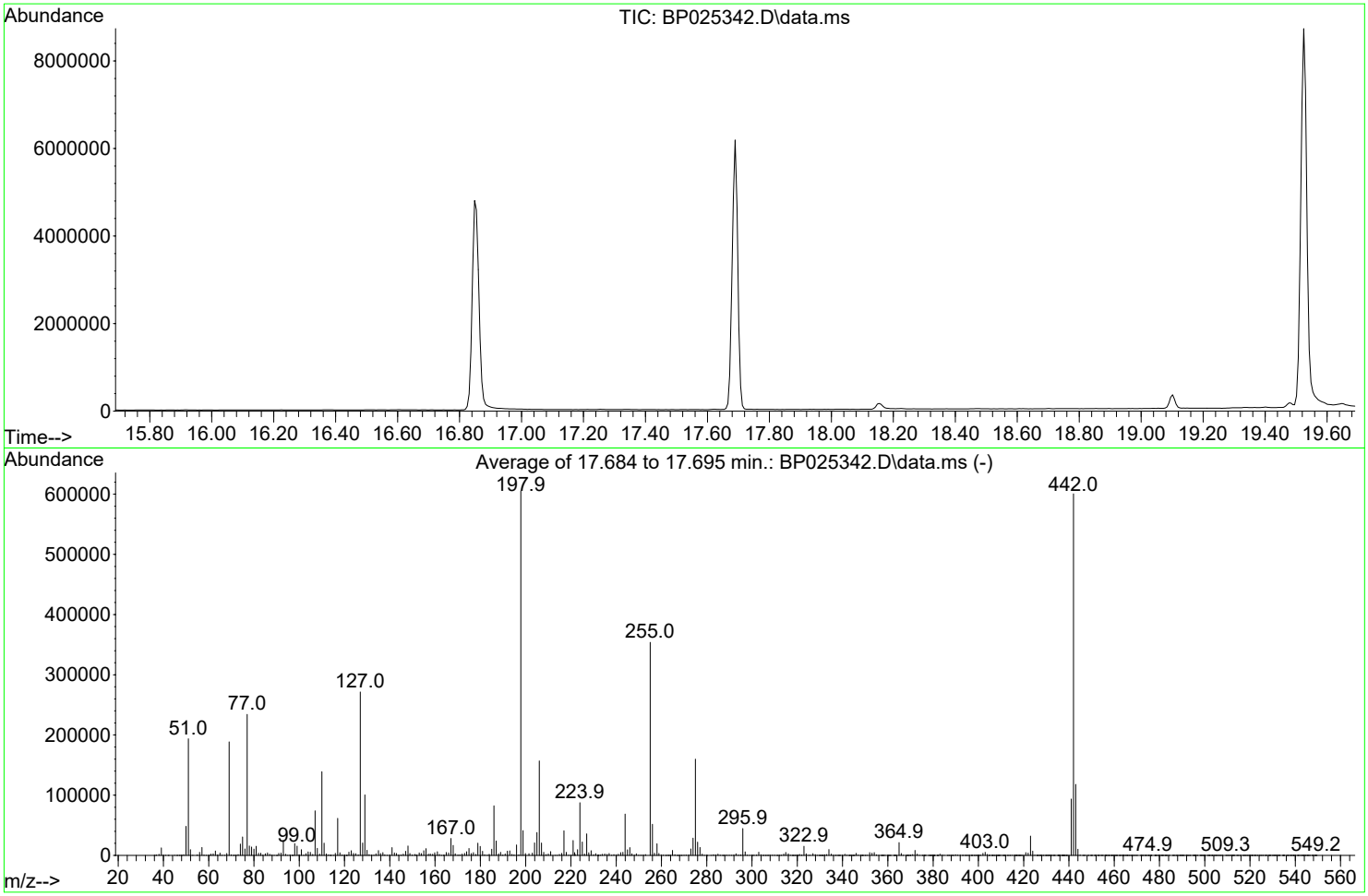
Sample Results: **BP025342.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025342.D
Acq On : 11 Aug 2025 09:44
Operator : CG/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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025



AutoFind: Scans 2507, 2508, 2509; Background Corrected with Scan 2498

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	3158	PASS
69	69	100	100	100.0	188556	PASS
70	69	0.00	2	0.5	968	PASS
197	198	0.00	2	0.2	1108	PASS
198	198	100	100	100.0	605119	PASS
199	198	5	9	6.8	41280	PASS
365	198	1	100	3.5	21336	PASS
441	443	0.01	150	79.4	93718	PASS
442	442	100	100	100.0	600651	PASS
443	442	15	24	19.6	118003	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/11/2025	BNA_P	BP025342.D
Compound Name	**Response**	**Retention Time**
DDT	2163555	20.836
DDD	35787	20.425
DDE	1369	19.848
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
37156	2200711	1.69

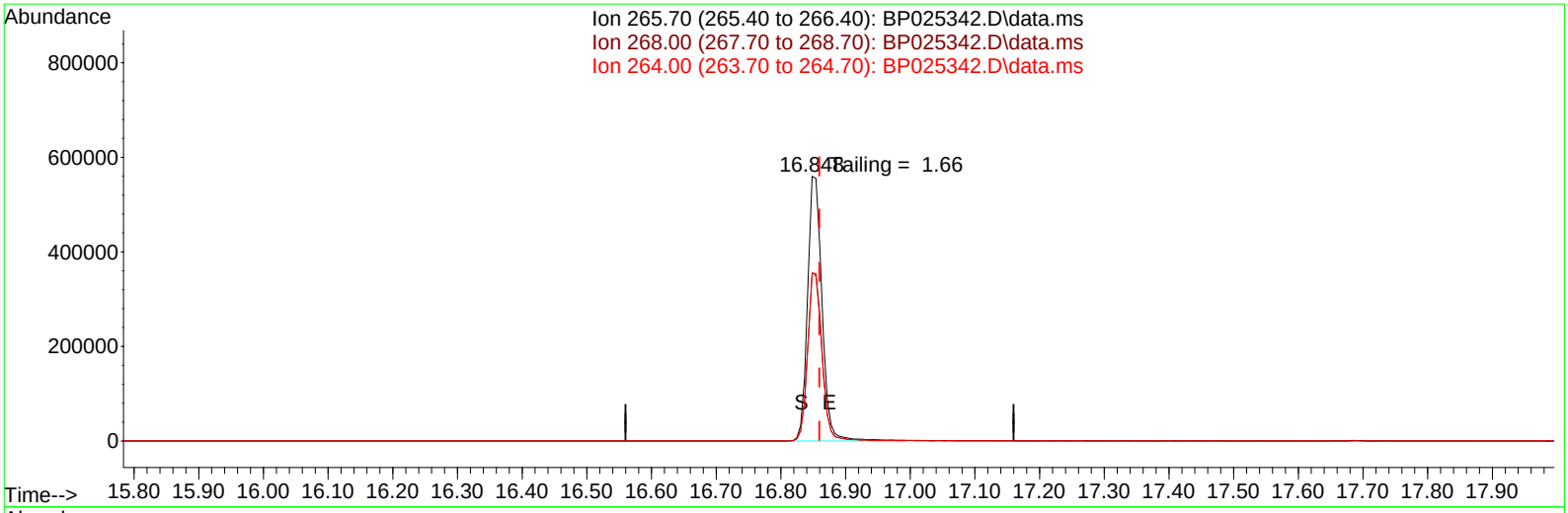
Instrument :
BNA_P
ClientSampleId :
DFTPP

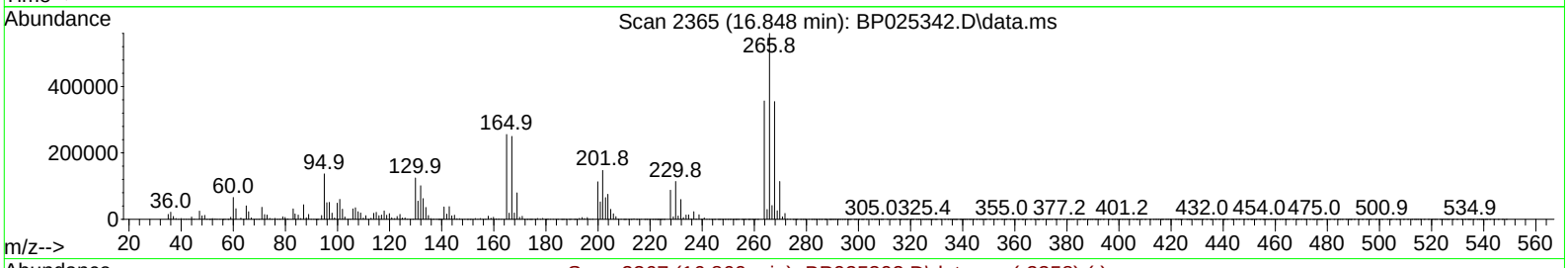
Sample Results: **BP025342.D**

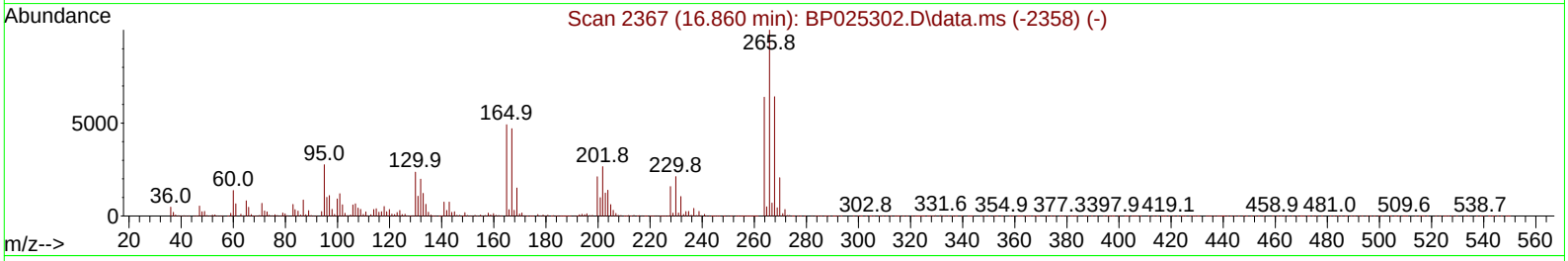
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025342.D
Acq On : 11 Aug 2025 09:44
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 11 12:20:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025342.D\data.ms

(70) Pentachlorophenol (C)

16.848min (-0.012) 2299749.99 ng

response 876713

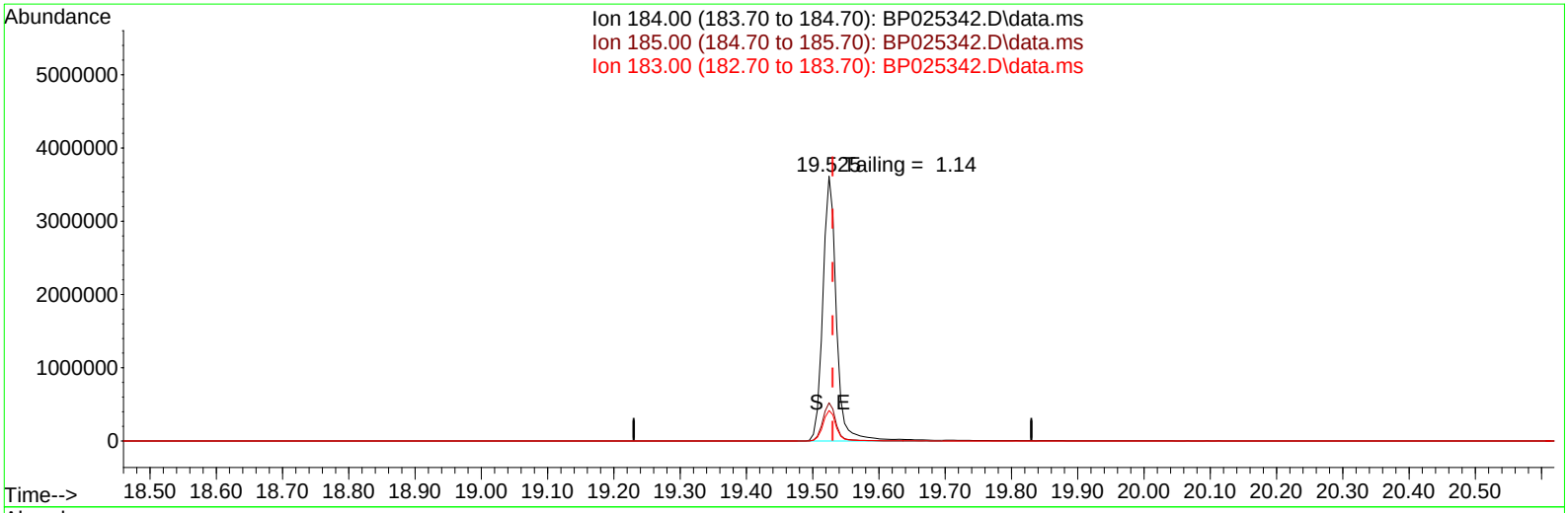
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.20	63.31
264.00	63.90	63.68
0.00	0.00	0.00

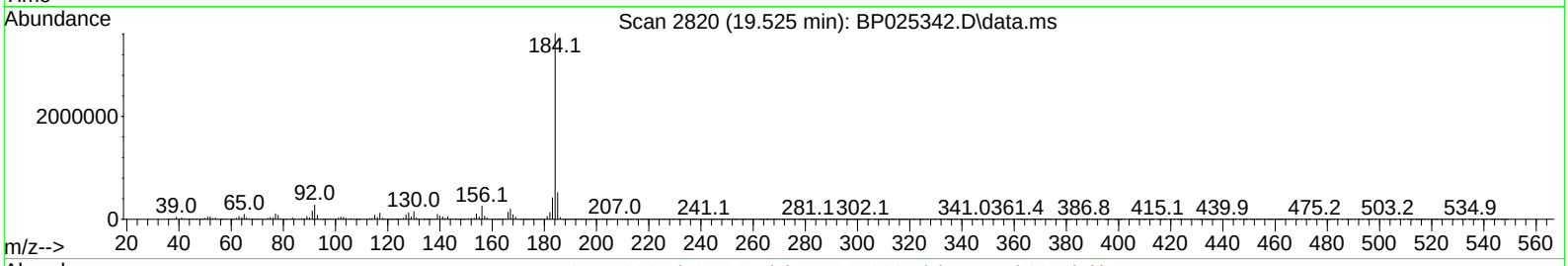
Sample Results: **BP025342.D**

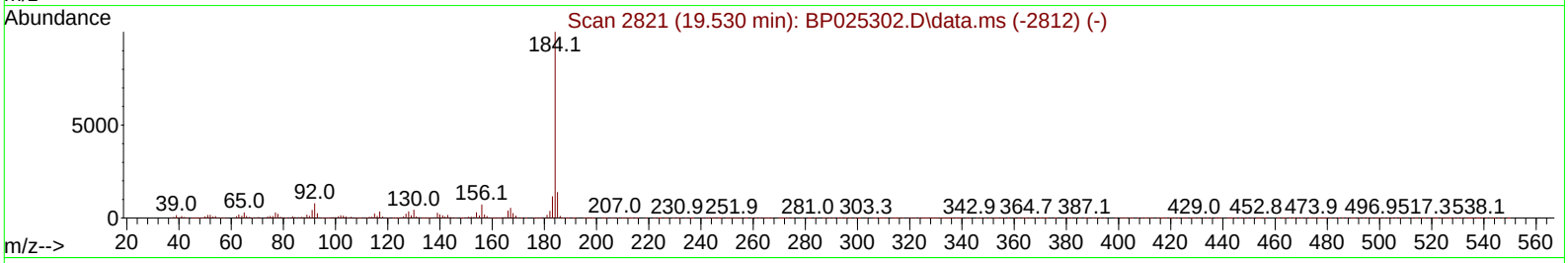
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025342.D
Acq On : 11 Aug 2025 09:44
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 11 12:20:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025342.D\data.ms

(77) Benzidine

19.525min (-0.005) 1639801.98 ng

response 5104250

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.80	14.42
183.00	11.50	11.55
0.00	0.00	0.00

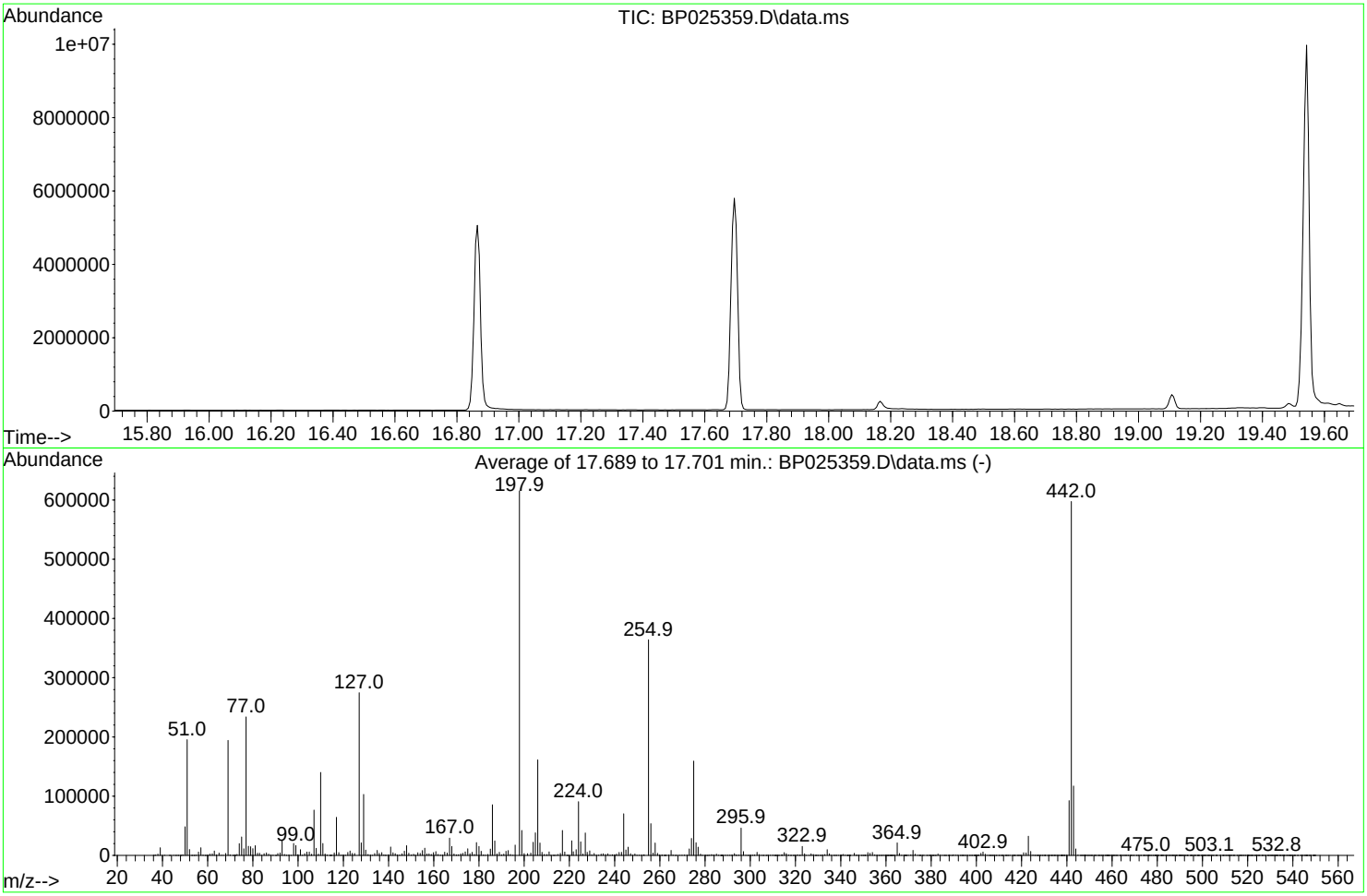
Sample Results: **BP025359.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025359.D
Acq On : 12 Aug 2025 09:26
Operator : CG/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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025



AutoFind: Scans 2508, 2509, 2510; Background Corrected with Scan 2499

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3158	PASS
69	69	100	100	100.0	194138	PASS
70	69	0.00	2	0.5	928	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	615091	PASS
199	198	5	9	6.8	42032	PASS
365	198	1	100	3.4	21184	PASS
441	443	0.01	150	79.0	92605	PASS
442	442	100	100	100.0	597468	PASS
443	442	15	24	19.6	117267	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_P	BP025359.D
Compound Name	**Response**	**Retention Time**
DDT	2590799	20.831
DDD	48921	20.372
DDE	3872	19.848
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
52793	2643592	2.00

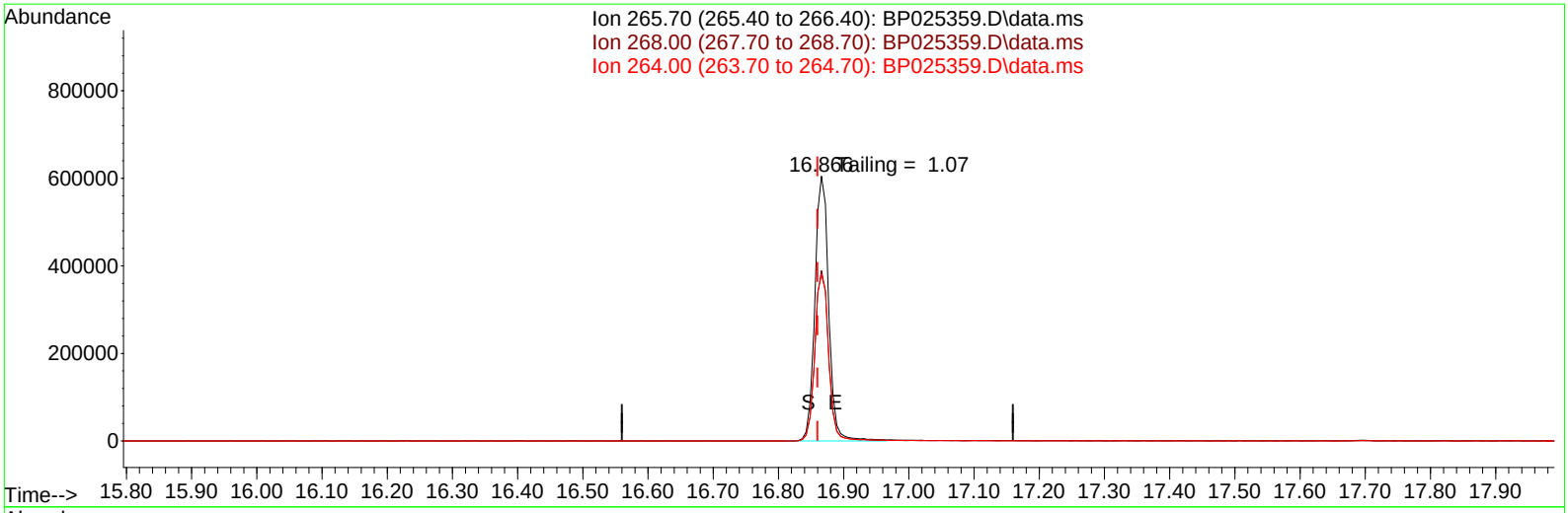
Instrument :
BNA_P
ClientSampleId :
DFTPP

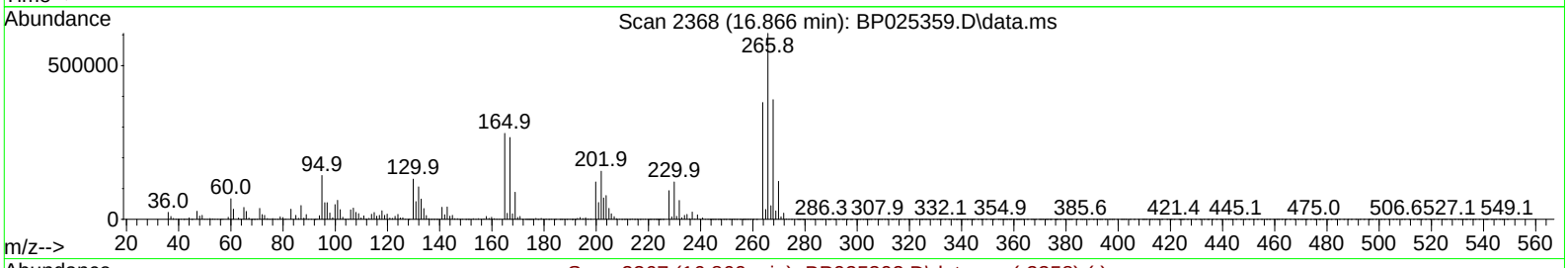
Sample Results: **BP025359.D**

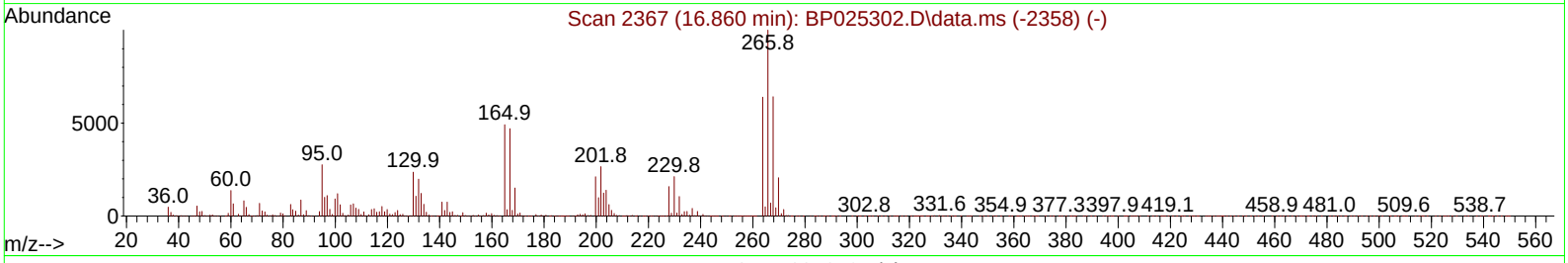
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025359.D
Acq On : 12 Aug 2025 09:26
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 12 11:27:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025359.D\data.ms

(70) Pentachlorophenol (C)

16.866min (+ 0.006) 2105985.22 ng

response 893734

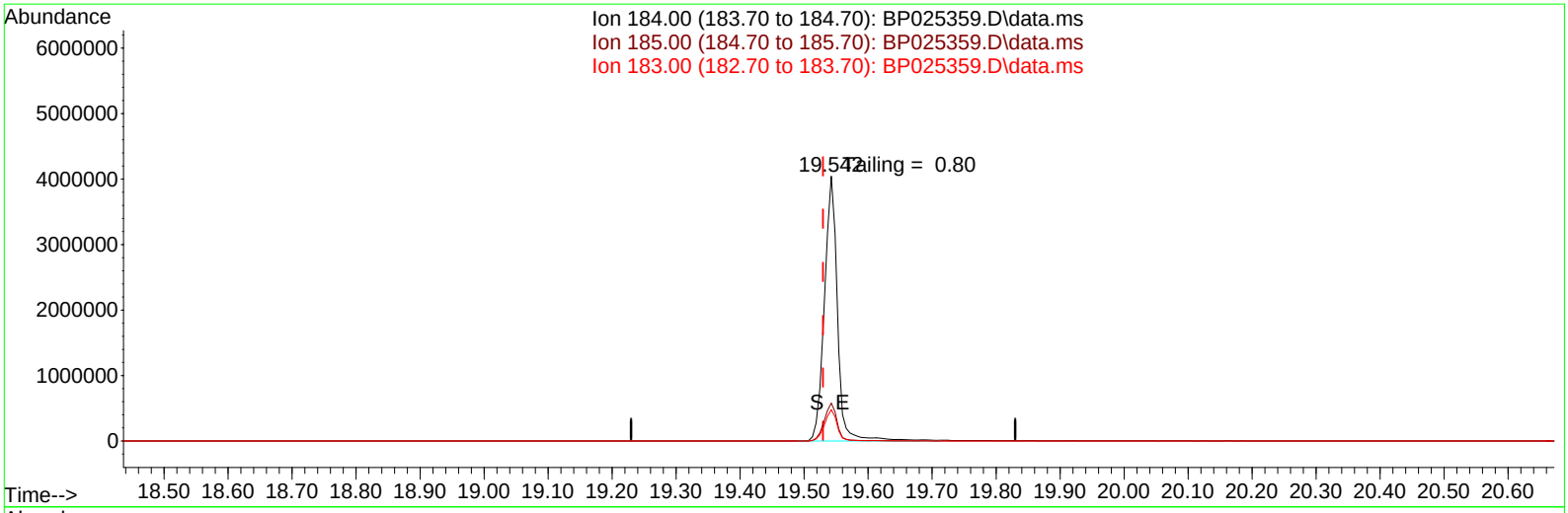
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.20	64.31
264.00	63.90	62.80
0.00	0.00	0.00

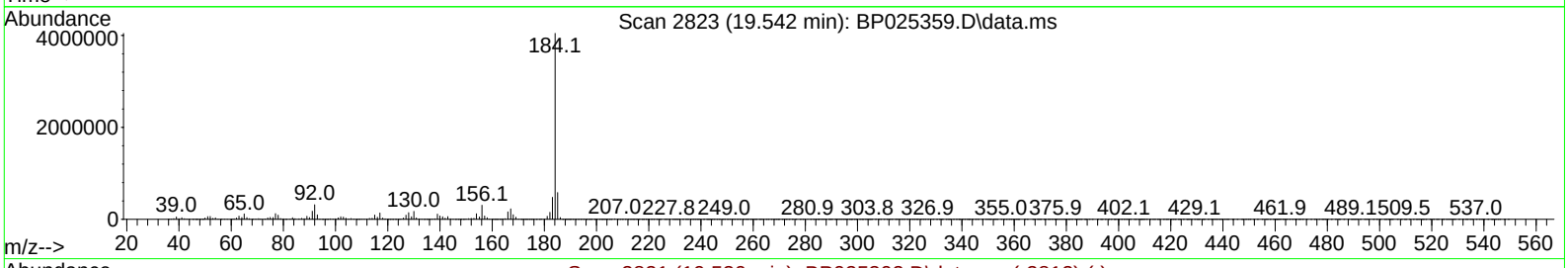
Sample Results: **BP025359.D**

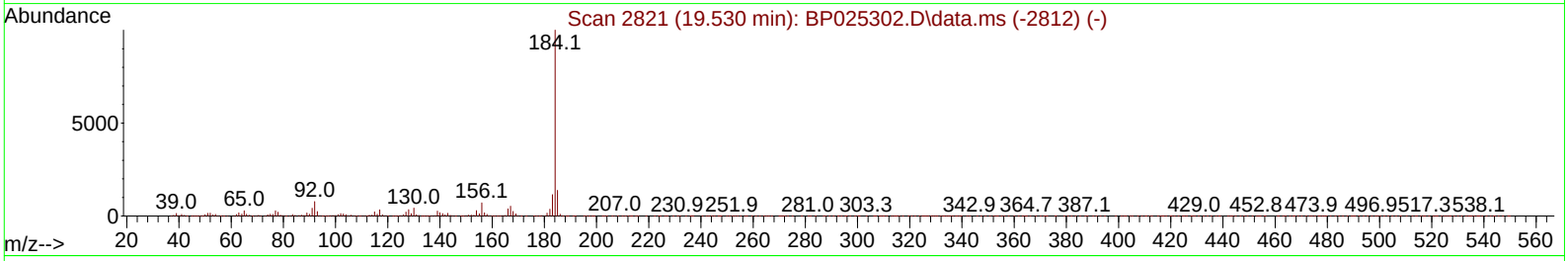
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025359.D
Acq On : 12 Aug 2025 09:26
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 12 11:27:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025359.D\data.ms

(77) Benzidine

19.542min (+ 0.012) 1326377.90 ng

response 5712896

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.80	14.35
183.00	11.50	11.85
0.00	0.00	0.00

Raw Data: **BP025363.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	
Project:	Monthly 2025			Date Received:	
Client Sample ID:	PB169180BL			SDG No.:	Q2791
Lab Sample ID:	PB169180BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025363.D	1	08/08/25 11:12	08/12/25 12:12	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		23 - 138	83%	SPK: 150
13127-88-3	Phenol-d6	109		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.5		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		44 - 137	97%	SPK: 150
1718-51-0	Terphenyl-d14	80.7		42 - 152	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	224000	7.796			
1146-65-2	Naphthalene-d8	834000	10.572			
15067-26-2	Acenaphthene-d10	478000	14.419			
1517-22-2	Phenanthrene-d10	927000	17.225			
1719-03-5	Chrysene-d12	966000	21.671			
1520-96-3	Perylene-d12	1160000	25.054			

Raw Data: **BP025363.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	
Project:	Monthly 2025			Date Received:	
Client Sample ID:	PB169180BL			SDG No.:	Q2791
Lab Sample ID:	PB169180BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025363.D	1	08/08/25 11:12	08/12/25 12:12	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025363.D
Acq On : 12 Aug 2025 12:12
Operator : CG/JU
Sample : PB169180BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Quant Time: Aug 12 12:35:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

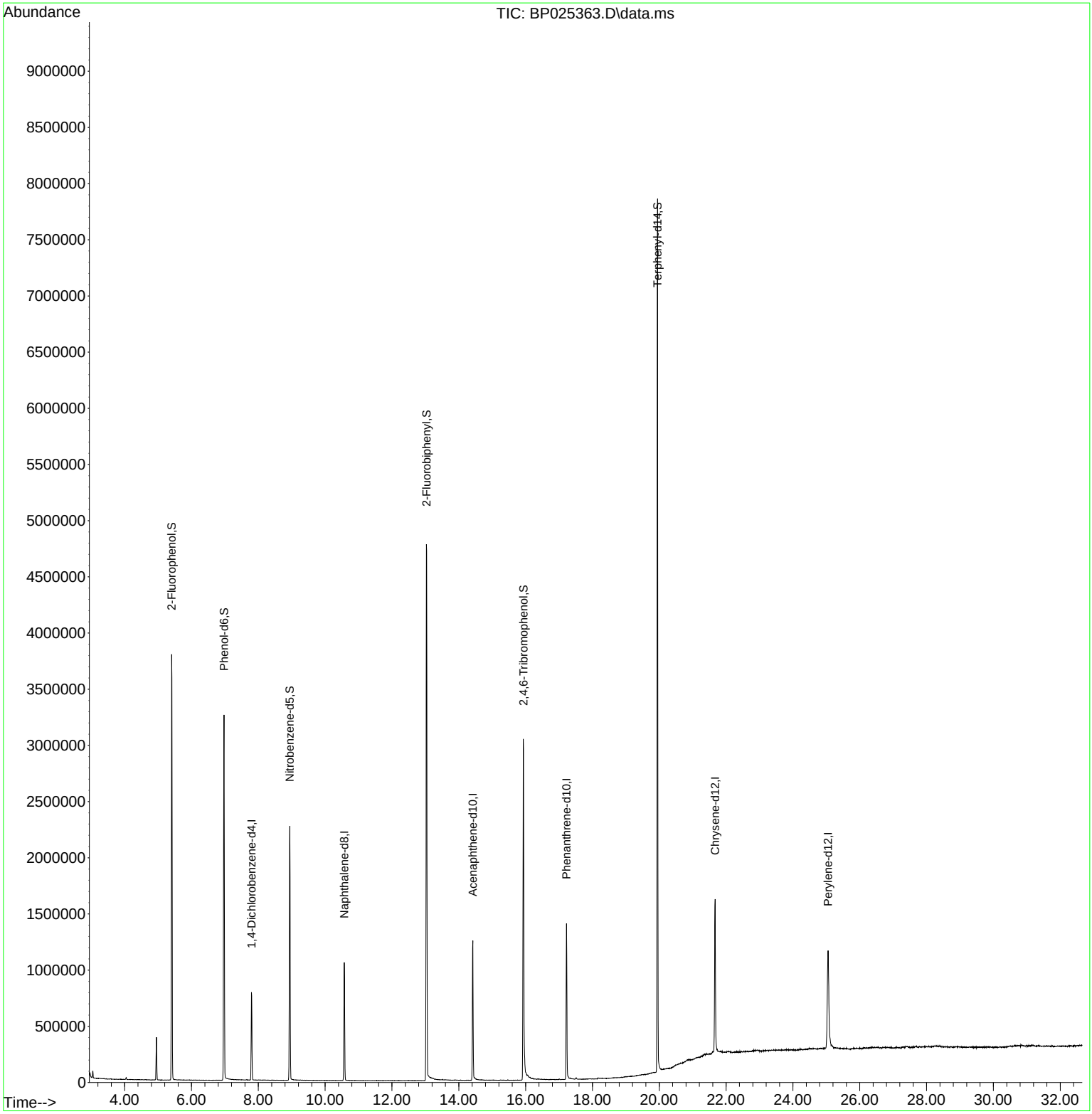
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	223850	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	834408	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	478110	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	927445	20.000	ng	0.00
76) Chrysene-d12	21.671	240	966084	20.000	ng	0.01
86) Perylene-d12	25.054	264	1157346	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1730160	124.312	ng	0.00
7) Phenol-d6	6.972	99	2002834	109.343	ng	0.00
23) Nitrobenzene-d5	8.943	82	1296349	86.072	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	691825	145.046	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	2924204	84.477	ng	0.00
79) Terphenyl-d14	19.948	244	4130131	80.748	ng	0.00
Target Compounds						Qvalue

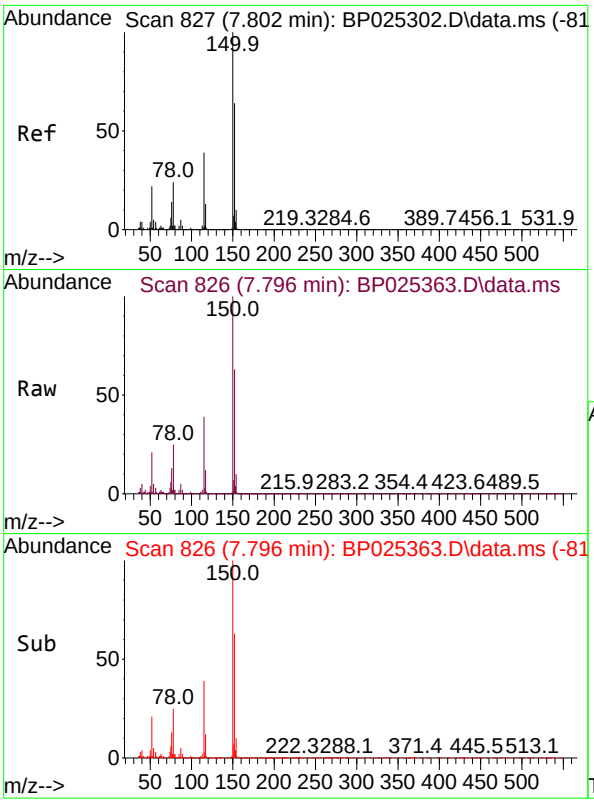
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025363.D
Acq On : 12 Aug 2025 12:12
Operator : CG/JU
Sample : PB169180BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Quant Time: Aug 12 12:35:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



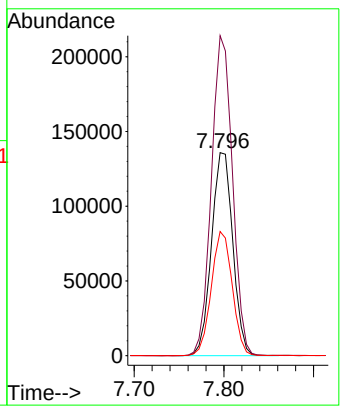


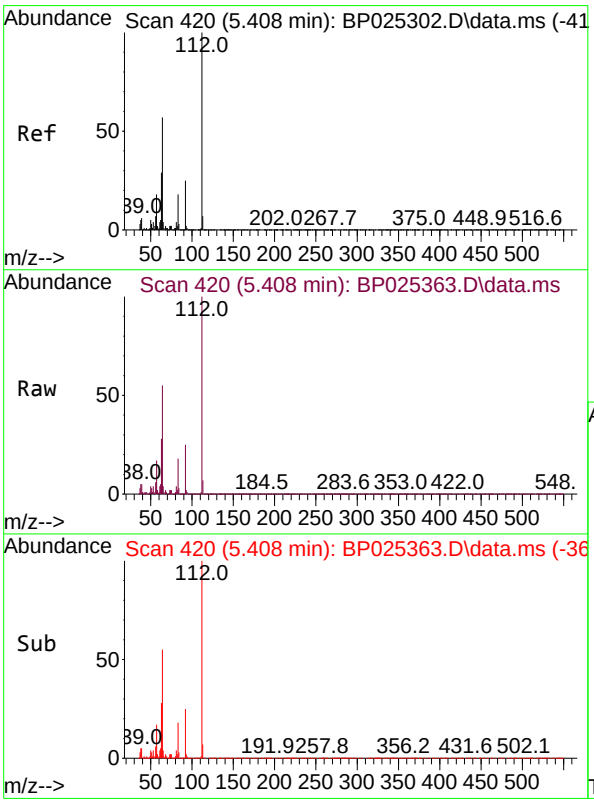
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion:152 Resp: 223850

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.1	187.7
115	61.1	48.4	72.6

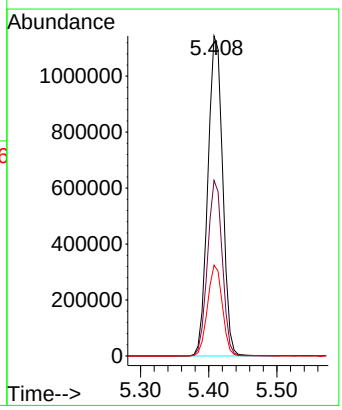


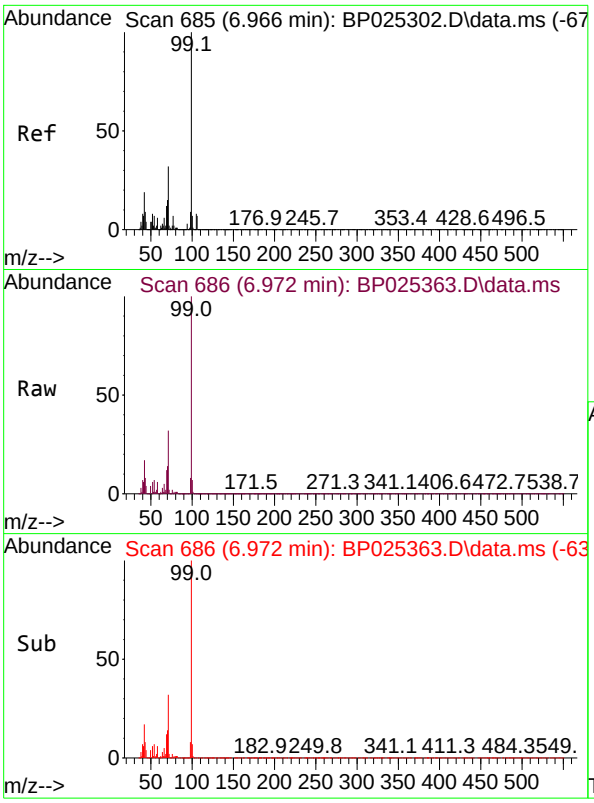


#5
2-Fluorophenol
Concen: 124.312 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:112 Resp: 1730160

Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.3	67.9
63	28.4	23.0	34.6



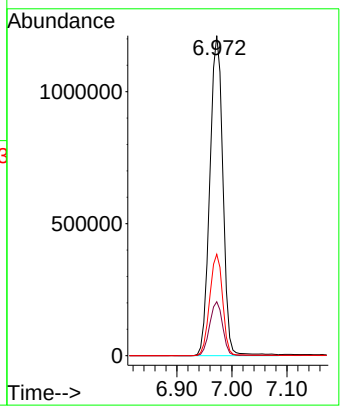


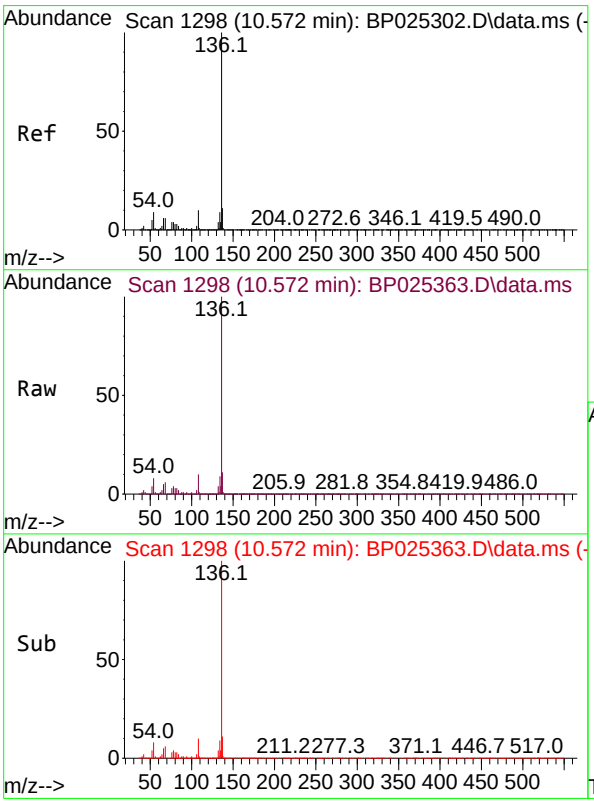
#7
Phenol-d6
Concen: 109.343 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion: 99 Resp: 2002834

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	31.7	25.5	38.3

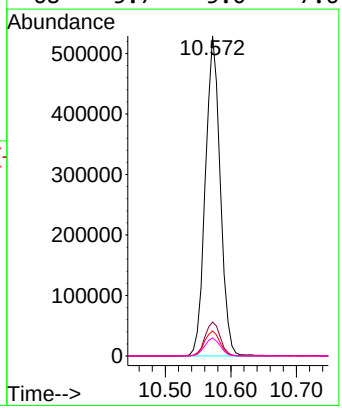


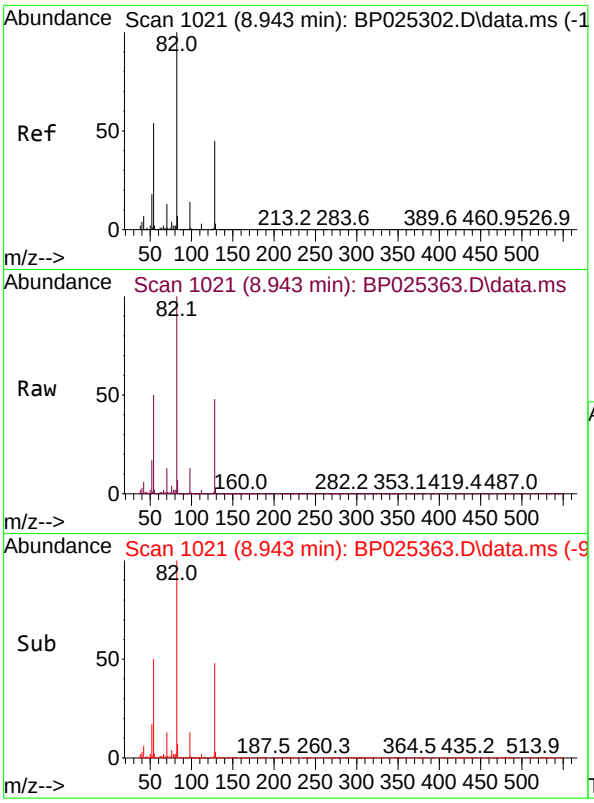


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:136 Resp: 834408

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.8	7.0	10.6
68	5.7	5.0	7.6



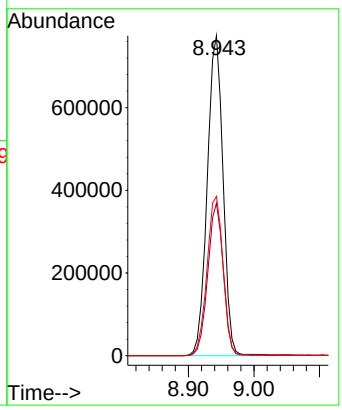


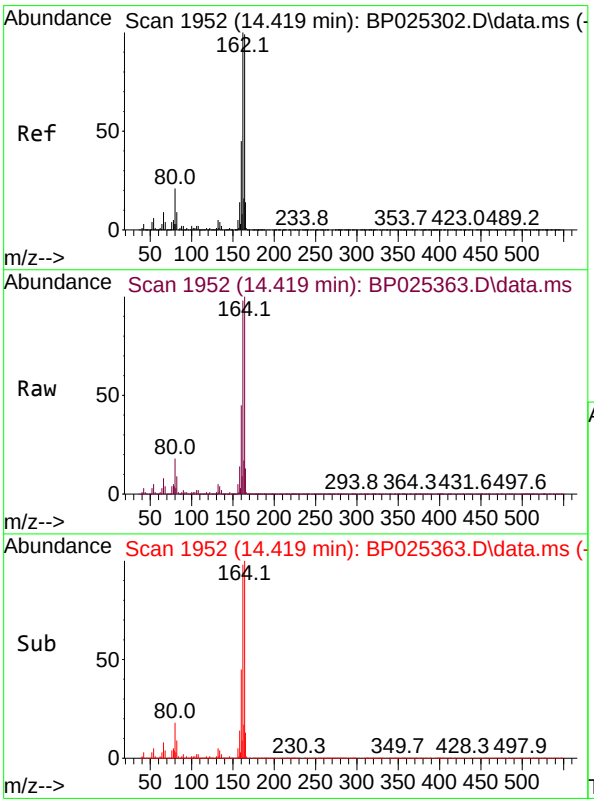
#23
Nitrobenzene-d5
Concen: 86.072 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion: 82 Resp: 1296349

Ion	Ratio	Lower	Upper
82	100		
128	47.7	35.4	53.2
54	49.8	42.9	64.3

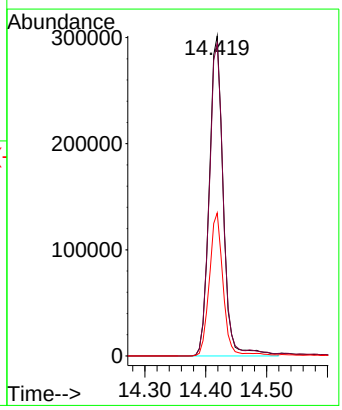


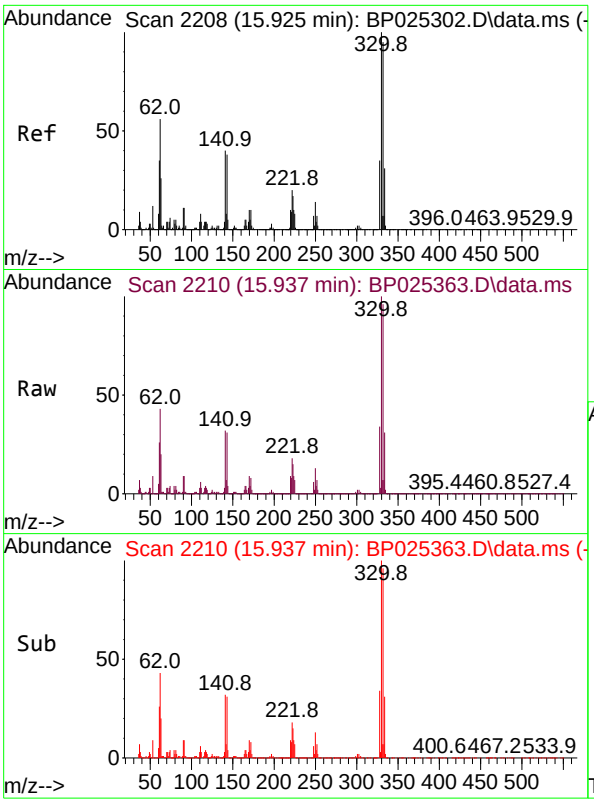


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:164 Resp: 478110

Ion	Ratio	Lower	Upper
164	100		
162	97.7	80.6	120.8
160	44.7	35.9	53.9



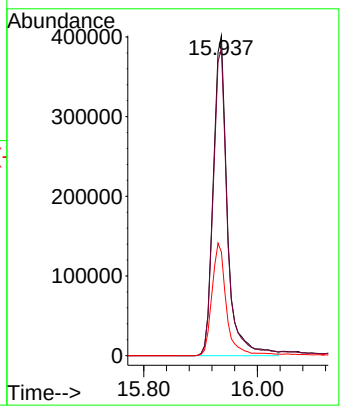


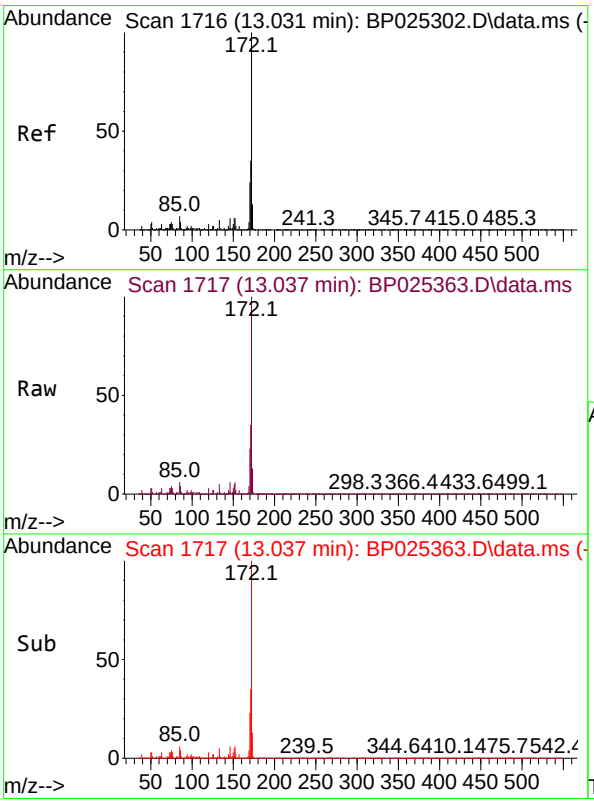
#42
2,4,6-Tribromophenol
Concen: 145.046 ng
RT: 15.937 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion:330 Resp: 691825

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.4	116.0
141	36.1	31.7	47.5

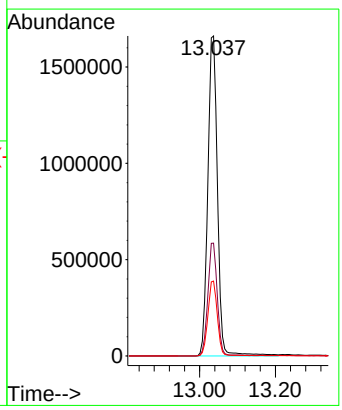


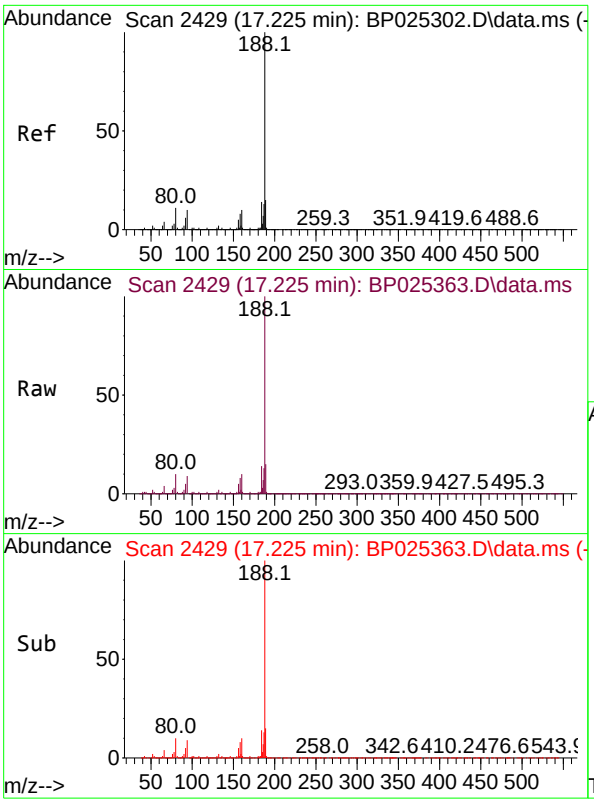


#45
2-Fluorobiphenyl
Concen: 84.477 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:172 Resp: 2924204

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.4	18.9	28.3



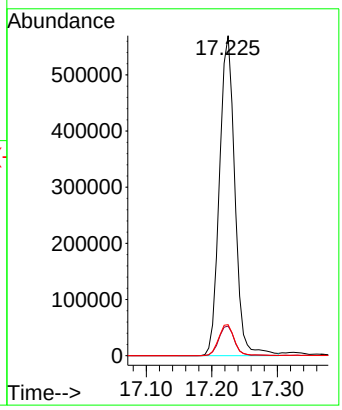


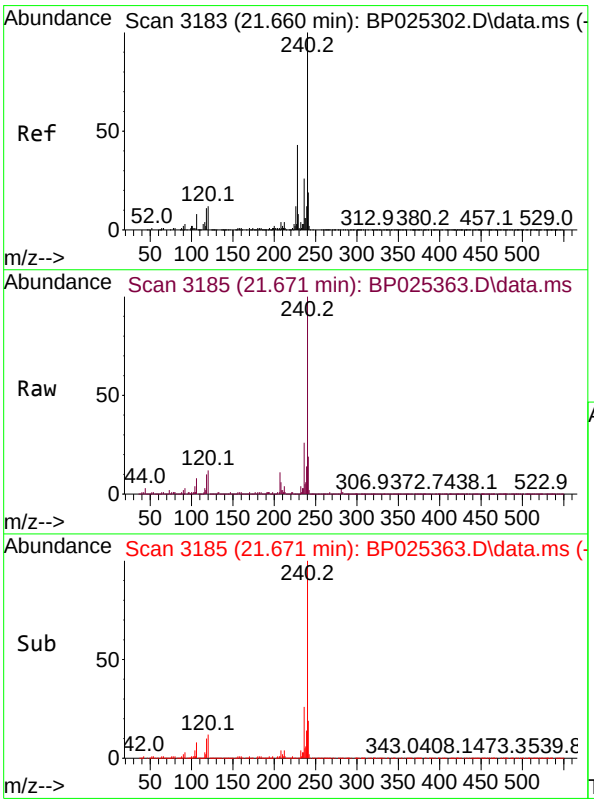
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion:188 Resp: 927445

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	9.7	8.5	12.7

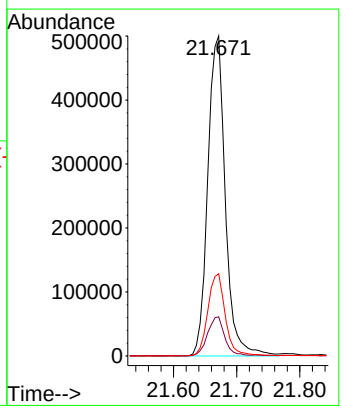


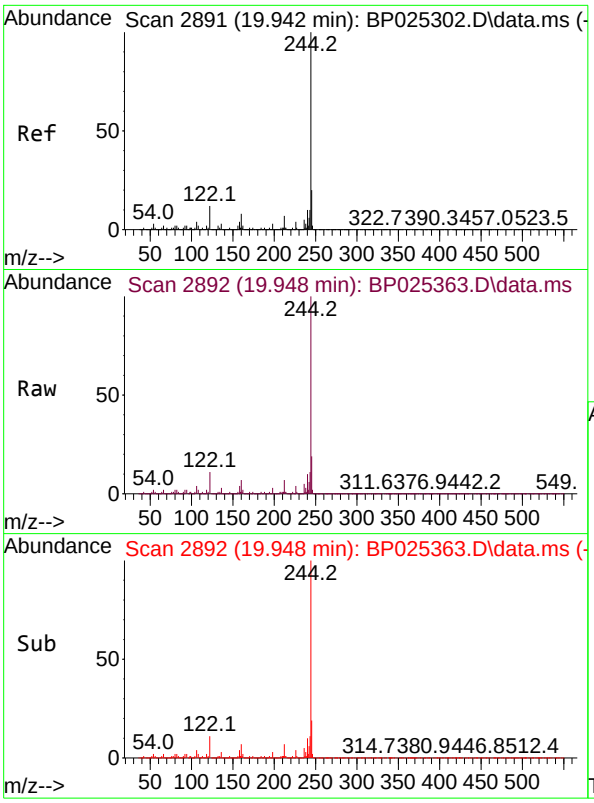


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.671 min Scan# 3185
Delta R.T. 0.011 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:240 Resp: 966084

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.6	14.4
236	25.7	20.4	30.6



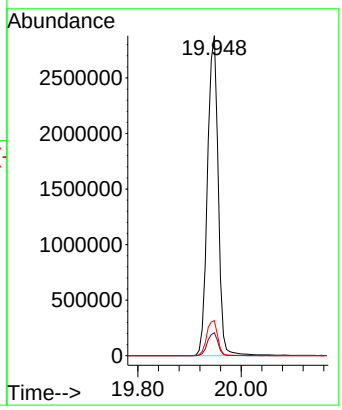


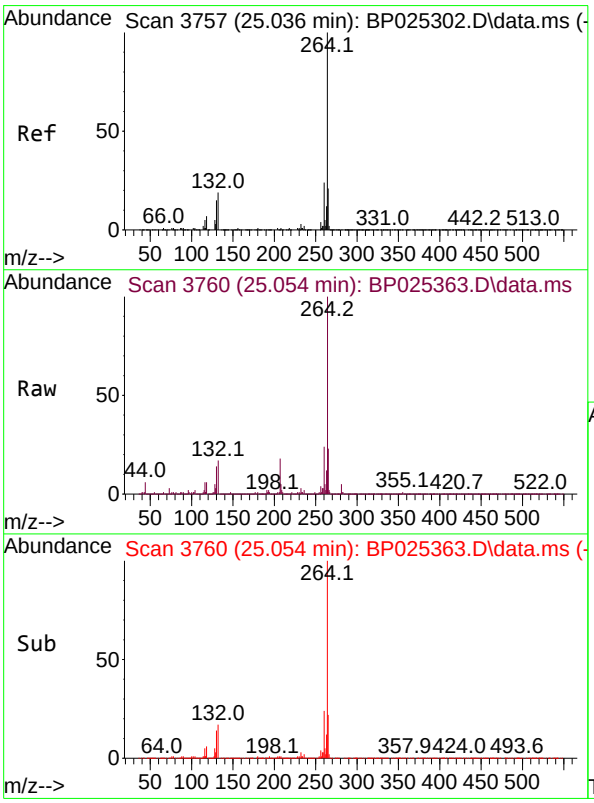
#79
Terphenyl-d14
Concen: 80.748 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Instrument :
BNA_P
ClientSampleId :
PB169180BL

Tgt Ion:244 Resp: 4130131

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.9	9.5	14.3

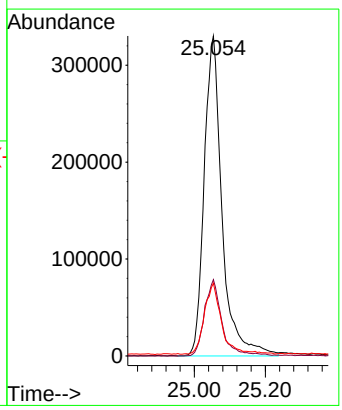




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.054 min Scan# 3760
Delta R.T. 0.018 min
Lab File: BP025363.D
Acq: 12 Aug 2025 12:12

Tgt Ion:264 Resp: 1157346

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.7	17.1	25.7



Raw Data: **BP025364.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	
Project:	Monthly 2025	Date Received:	
Client Sample ID:	PB169180BS	SDG No.:	Q2791
Lab Sample ID:	PB169180BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025364.D	1	08/08/25 11:12	08/12/25 12:54	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.7		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	44.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	42.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	41.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	45.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.5		0.76	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	54.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	52.5		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.8		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	50.4		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		23 - 138	86%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 134	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.7		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.5		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		44 - 137	104%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221000	7.801			
1146-65-2	Naphthalene-d8	870000	10.578			
15067-26-2	Acenaphthene-d10	506000	14.43			
1517-22-2	Phenanthrene-d10	950000	17.224			
1719-03-5	Chrysene-d12	976000	21.671			
1520-96-3	Perylene-d12	1190000	25.059			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	
Project:	Monthly 2025			Date Received:	
Client Sample ID:	PB169180BS			SDG No.:	Q2791
Lab Sample ID:	PB169180BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025364.D	1	08/08/25 11:12	08/12/25 12:54	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025364.D
Acq On : 12 Aug 2025 12:54
Operator : CG/JU
Sample : PB169180BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 13:34:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.801	152	220840	20.000	ng		0.00
21) Naphthalene-d8	10.578	136	869704	20.000	ng		0.00
39) Acenaphthene-d10	14.430	164	505729	20.000	ng		0.01
64) Phenanthrene-d10	17.224	188	949767	20.000	ng		0.00
76) Chrysene-d12	21.671	240	975809	20.000	ng		0.01
86) Perylene-d12	25.059	264	1187024	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	1776429	129.376	ng		0.00
7) Phenol-d6	6.978	99	2162045	119.644	ng		0.01
23) Nitrobenzene-d5	8.942	82	1344711	85.660	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	788751	156.336	ng		0.01
45) 2-Fluorobiphenyl	13.042	172	3128965	85.456	ng		0.01
79) Terphenyl-d14	19.948	244	4155480	80.434	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	205719	37.966	ng		97
3) Pyridine	3.725	79	567965	37.728	ng		96
4) n-Nitrosodimethylamine	3.631	42	268350	38.396	ng		90
6) Aniline	7.131	93	897612	36.184	ng		98
8) 2-Chlorophenol	7.372	128	704417	46.869	ng		97
9) Benzaldehyde	6.943	77	353380m	27.534	ng		
10) Phenol	7.001	94	817527	42.283	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	634282	41.868	ng		98
12) 1,3-Dichlorobenzene	7.695	146	747314	44.252	ng		99
13) 1,4-Dichlorobenzene	7.837	146	762548	44.631	ng		98
14) 1,2-Dichlorobenzene	8.148	146	732005	44.227	ng		98
15) Benzyl Alcohol	8.031	79	570249	40.710	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	877417	36.663	ng		97
17) 2-Methylphenol	8.231	107	554819	42.885	ng		98
18) Hexachloroethane	8.872	117	279747	45.784	ng		99
19) n-Nitroso-di-n-propyla...	8.589	70	463209	39.014	ng		96
20) 3+4-Methylphenols	8.554	107	745255	41.833	ng		99
22) Acetophenone	8.607	105	961828	44.054	ng	#	97
24) Nitrobenzene	8.984	77	691190	46.513	ng		97
25) Isophorone	9.507	82	1321666	42.295	ng		99
26) 2-Nitrophenol	9.689	139	354210	54.210	ng		96
27) 2,4-Dimethylphenol	9.748	122	628234	43.607	ng		96
28) bis(2-Chloroethoxy)met...	9.984	93	828355	43.576	ng		98
29) 2,4-Dichlorophenol	10.225	162	609708	48.340	ng		98
30) 1,2,4-Trichlorobenzene	10.436	180	654455	47.032	ng		100
31) Naphthalene	10.625	128	2048114	45.364	ng		100
32) Benzoic acid	9.884	122	456006	53.159	ng		94
33) 4-Chloroaniline	10.719	127	582847	29.026	ng		99
34) Hexachlorobutadiene	10.913	225	393747	49.294	ng		99
35) Caprolactam	11.501	113	208745	42.662	ng		90
36) 4-Chloro-3-methylphenol	11.848	107	655298	44.901	ng		100
37) 2-Methylnaphthalene	12.236	142	1295489	44.332	ng		99
38) 1-Methylnaphthalene	12.448	142	1339118	43.918	ng		99
40) 1,2,4,5-Tetrachloroben...	12.607	216	693061	50.196	ng		99
41) Hexachlorocyclopentadiene	12.595	237	933594	109.556	ng		99
43) 2,4,6-Trichlorophenol	12.836	196	482515	54.098	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025364.D
Acq On : 12 Aug 2025 12:54
Operator : CG/JU
Sample : PB169180BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 12 13:34:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.913	196	525502	52.521	ng		99
46) 1,1'-Biphenyl	13.254	154	1809157	48.542	ng		98
47) 2-Chloronaphthalene	13.295	162	1382843	48.633	ng		99
48) 2-Nitroaniline	13.483	65	399641	47.982	ng		91
49) Acenaphthylene	14.142	152	2249554	47.430	ng		99
50) Dimethylphthalate	13.872	163	1705266	46.254	ng		99
51) 2,6-Dinitrotoluene	13.989	165	371618	54.648	ng		92
52) Acenaphthene	14.489	154	1546862m	53.469	ng		
53) 3-Nitroaniline	14.319	138	332018	41.725	ng	#	92
54) 2,4-Dinitrophenol	14.524	184	406086	95.583	ng	#	49
55) Dibenzofuran	14.830	168	2017038	46.655	ng		100
56) 4-Nitrophenol	14.636	139	671899	95.675	ng		96
57) 2,4-Dinitrotoluene	14.783	165	514895	48.787	ng		99
58) Fluorene	15.489	166	1591049	46.857	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.060	232	436130	52.182	ng		98
60) Diethylphthalate	15.260	149	1711712	46.053	ng		99
61) 4-Chlorophenyl-phenyle...	15.489	204	765696	47.566	ng		100
62) 4-Nitroaniline	15.501	138	397431	50.407	ng		96
63) Azobenzene	15.783	77	1553737	44.998	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	281469	60.852	ng		95
66) n-Nitrosodiphenylamine	15.701	169	1437032	49.692	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	483741	50.620	ng		97
68) Hexachlorobenzene	16.519	284	540187	50.378	ng		100
69) Atrazine	16.677	200	503317	49.491	ng		98
70) Pentachlorophenol	16.871	266	731365	107.057	ng		99
71) Phenanthrene	17.266	178	2492763	47.919	ng		100
72) Anthracene	17.360	178	2542052	48.465	ng		100
73) Carbazole	17.636	167	2388003	47.429	ng		99
74) Di-n-butylphthalate	18.242	149	2912732	47.819	ng		100
75) Fluoranthene	19.342	202	2779037	46.148	ng		100
77) Benzidine	19.542	184	1535351	43.471	ng		100
78) Pyrene	19.724	202	2972439	45.808	ng		99
80) Butylbenzylphthalate	20.677	149	1427772	54.253	ng		97
81) Benzo(a)anthracene	21.648	228	3054869	47.110	ng		100
82) 3,3'-Dichlorobenzidine	21.565	252	991014	43.316	ng		99
83) Chrysene	21.718	228	2900036	48.218	ng		99
84) Bis(2-ethylhexyl)phtha...	21.606	149	2195038	52.236	ng		99
85) Di-n-octyl phthalate	22.906	149	4054035	57.637	ng		96
87) Indeno(1,2,3-cd)pyrene	28.930	276	4159070	48.884	ng		100
88) Benzo(b)fluoranthene	24.000	252	3305010	46.512	ng		100
89) Benzo(k)fluoranthene	24.077	252	3398773	48.250	ng		100
90) Benzo(a)pyrene	24.918	252	3264966	47.713	ng		100
91) Dibenzo(a,h)anthracene	29.012	278	3405001	48.866	ng		98
92) Benzo(g,h,i)perylene	30.130	276	3316590	48.498	ng		97

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

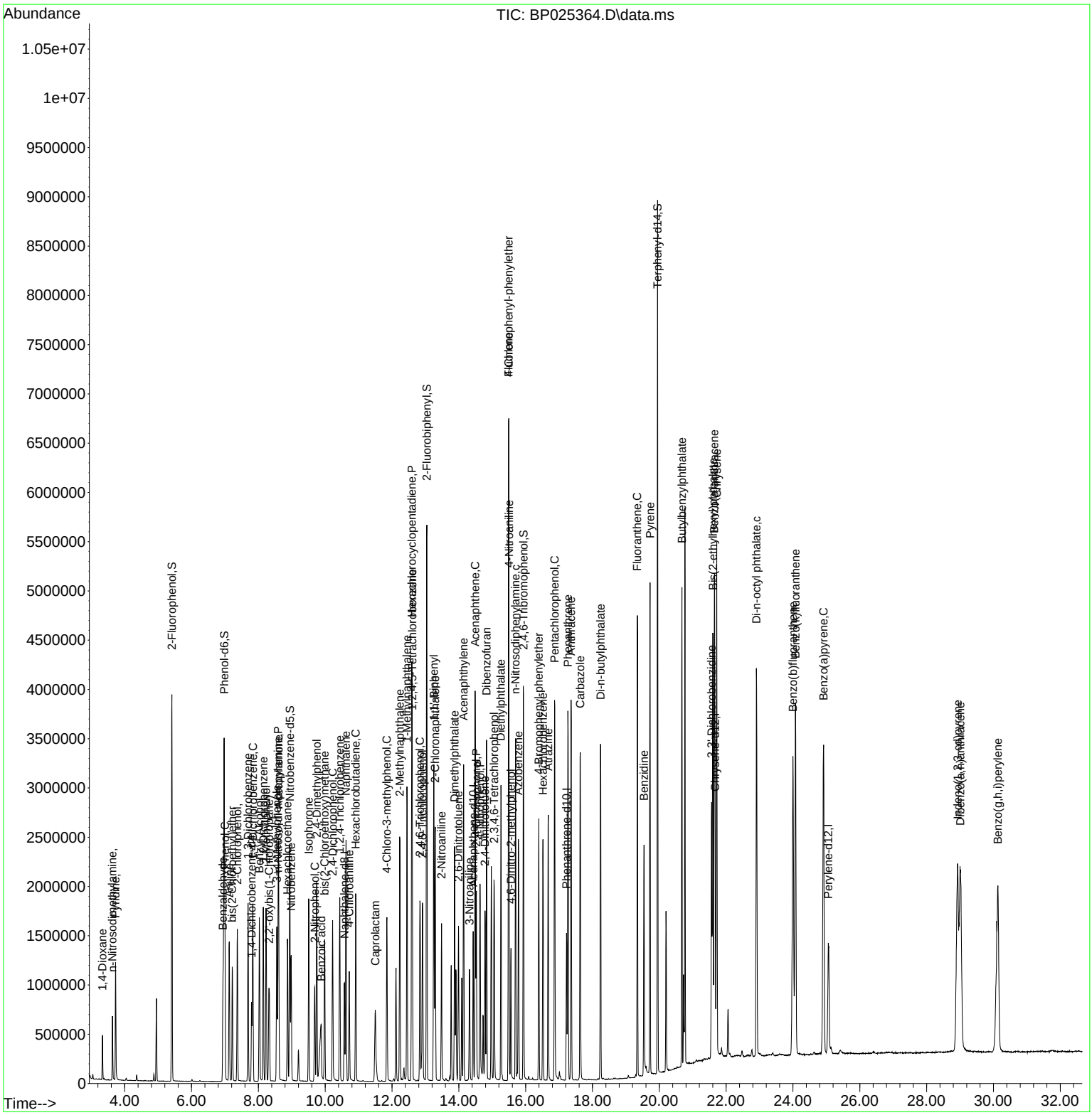
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025364.D
Acq On : 12 Aug 2025 12:54
Operator : CG/JU
Sample : PB169180BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

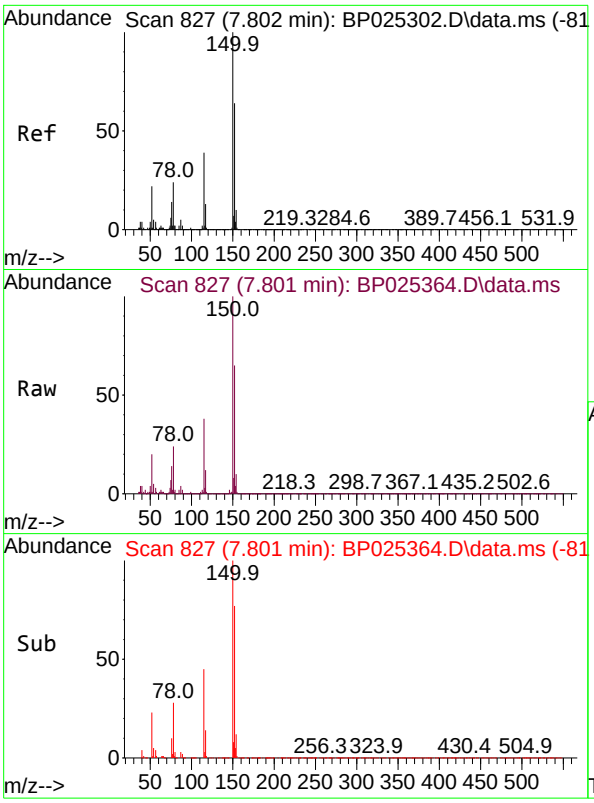
Quant Time: Aug 12 13:34:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

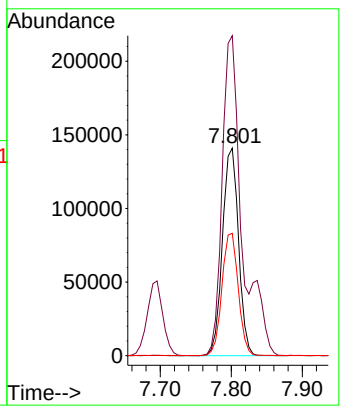




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.801 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:152 Resp: 22084

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.1	187.7
115	59.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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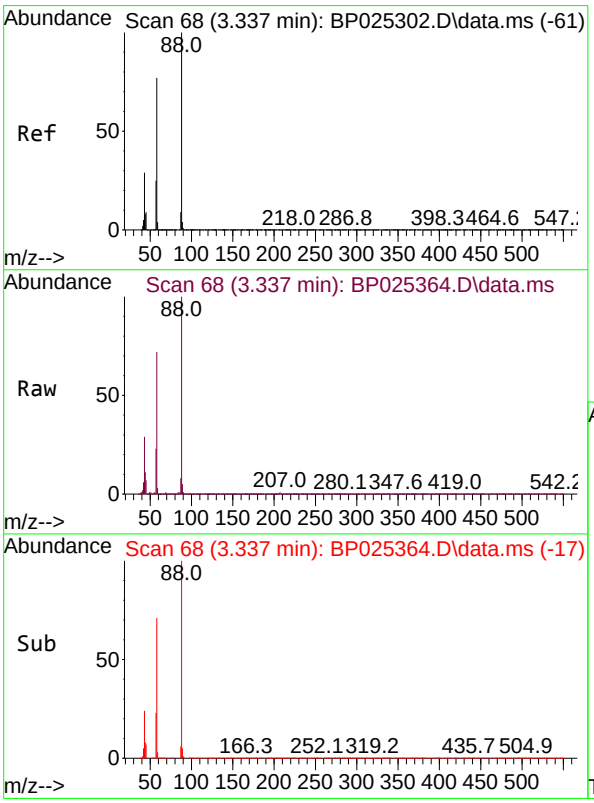
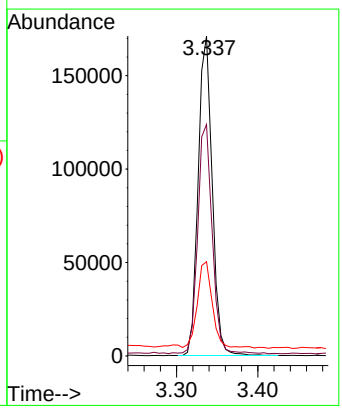
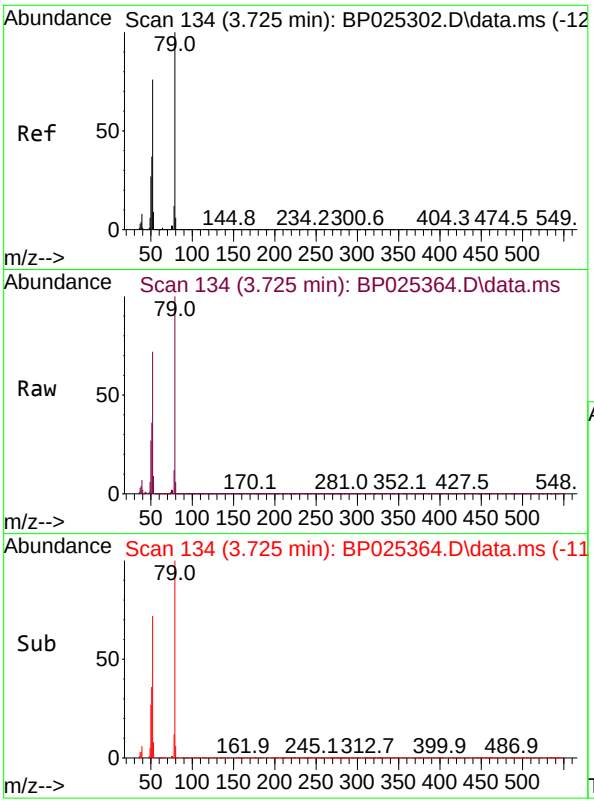


#2
1,4-Dioxane
Concen: 37.966 ng
RT: 3.337 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 88 Resp: 205719

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.9	92.9
43	29.3	24.2	36.2

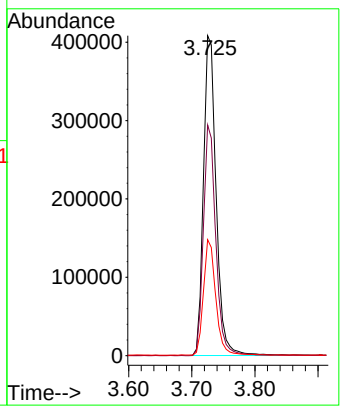




#3
Pyridine
Concen: 37.728 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 79 Resp: 56796

Ion	Ratio	Lower	Upper
79	100		
52	72.1	60.5	90.7
51	36.3	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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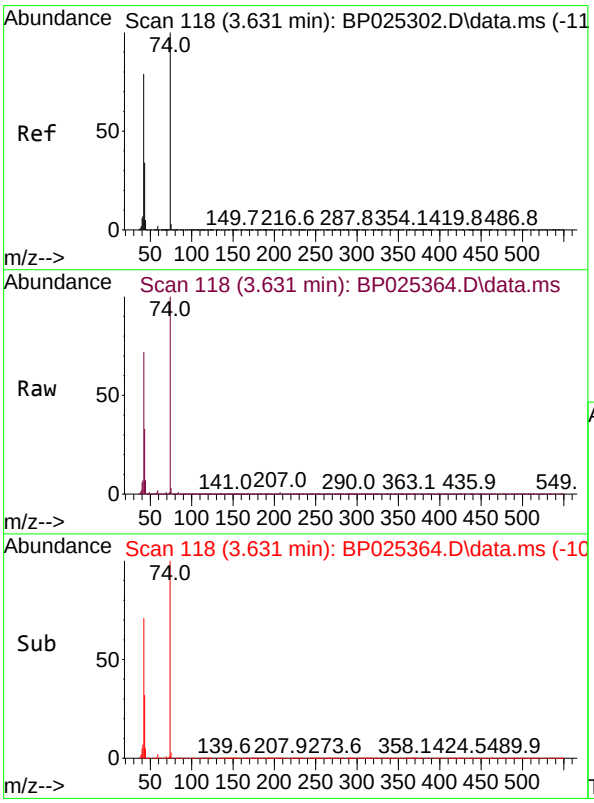
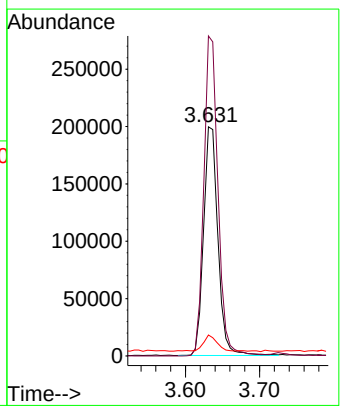
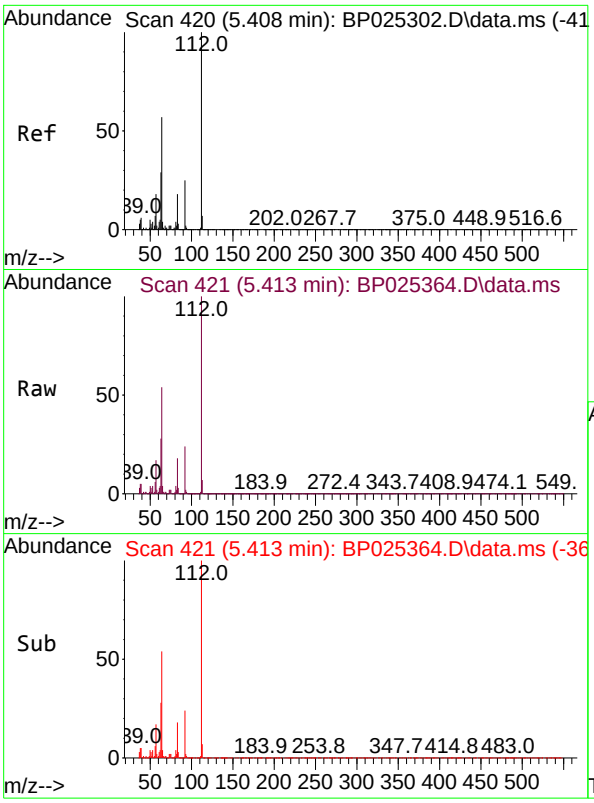


#4
n-Nitrosodimethylamine
Concen: 38.396 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 42 Resp: 268350

Ion	Ratio	Lower	Upper
42	100		
74	139.7	101.4	152.2
44	9.1	7.6	11.4





#5
2-Fluorophenol
Concen: 129.376 ng
RT: 5.413 min Scan# 4
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:112 Resp: 177642

Ion	Ratio	Lower	Upper
112	100		
64	53.9	45.3	67.9
63	27.9	23.0	34.6

Instrument :
BNA_P
ClientSampleId :
PB169180BS

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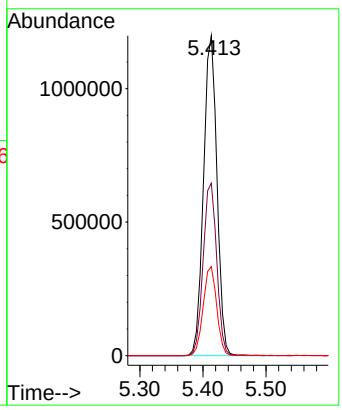
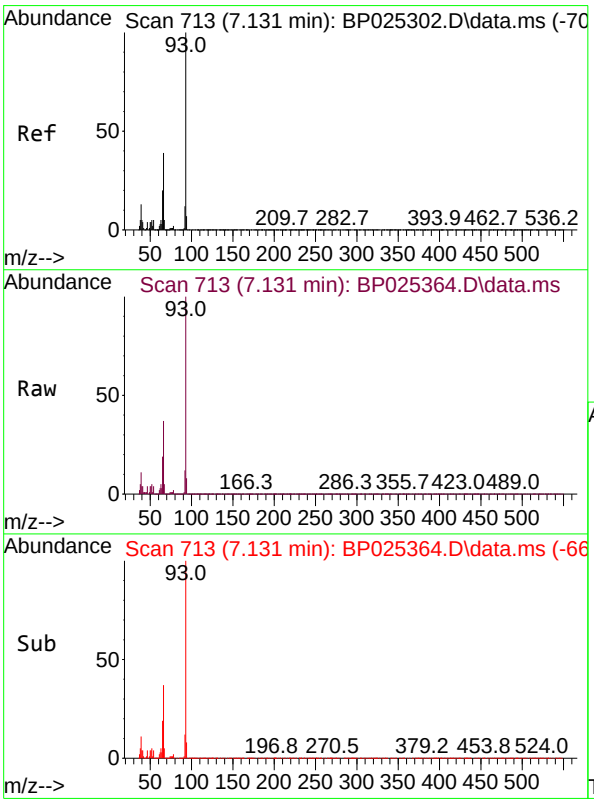
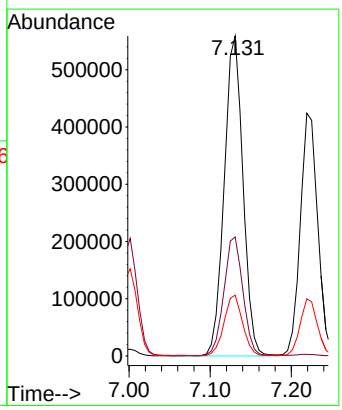


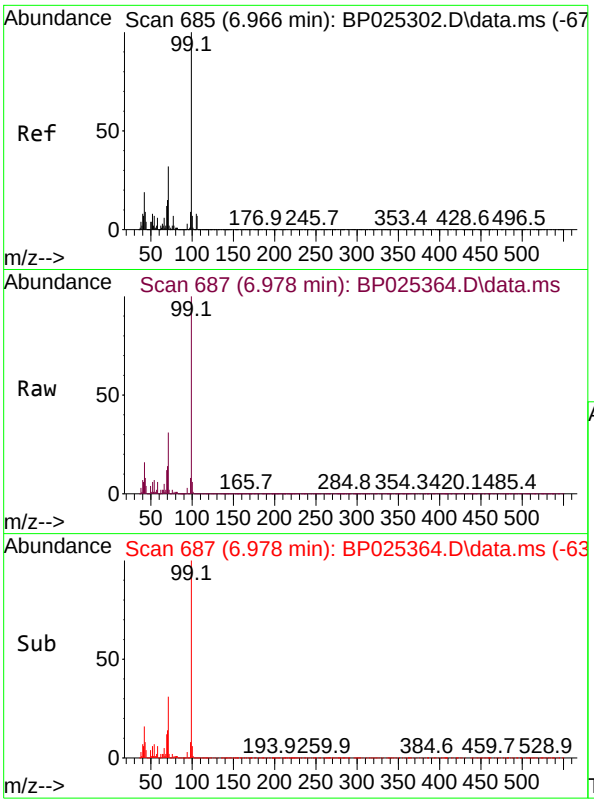


#6
Aniline
Concen: 36.184 ng
RT: 7.131 min Scan# 713
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 93 Resp: 897612

Ion	Ratio	Lower	Upper
93	100		
66	37.2	31.1	46.7
65	19.0	15.8	23.8

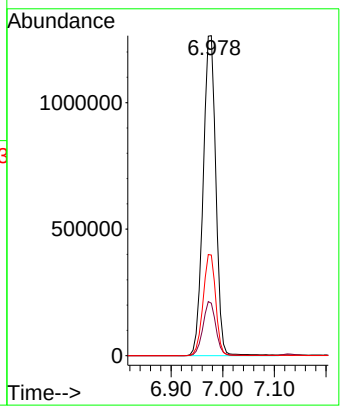




#7
Phenol-d6
Concen: 119.644 ng
RT: 6.978 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 99 Resp: 216204

Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	31.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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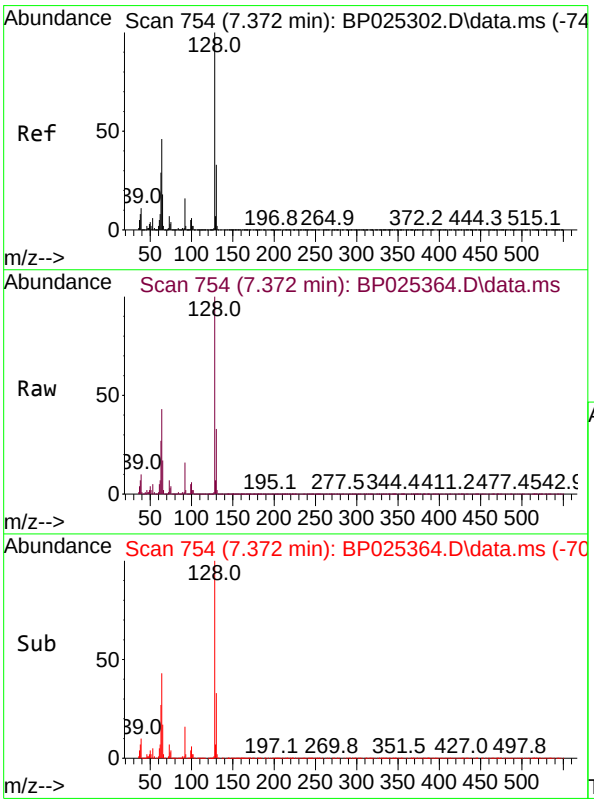
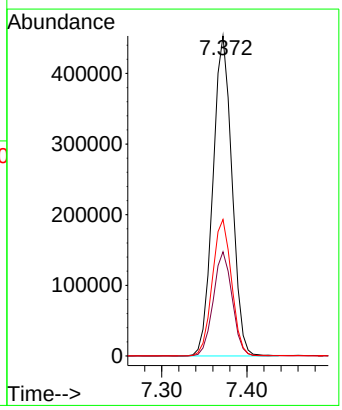
Supervised By :Jagrut Upadhyay 08/13/2025

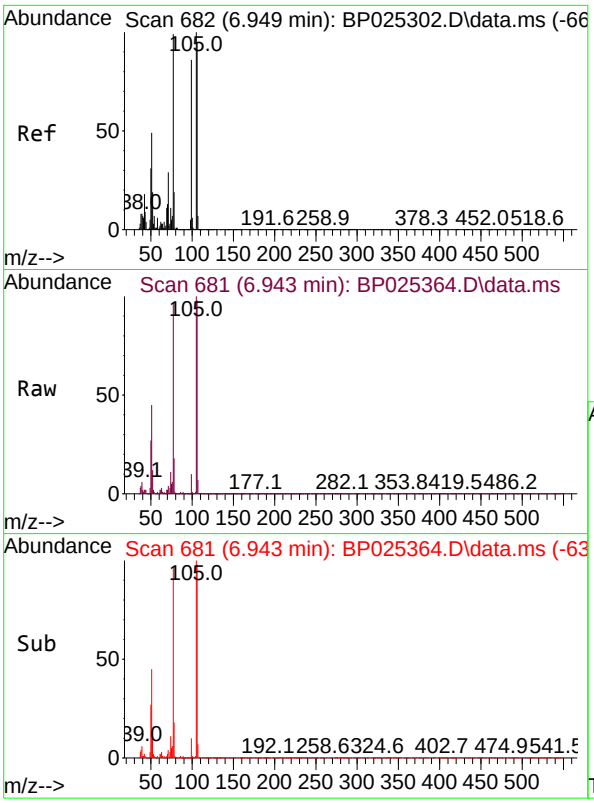


#8
2-Chlorophenol
Concen: 46.869 ng
RT: 7.372 min Scan# 754
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:128 Resp: 704417

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	42.7	26.1	66.1

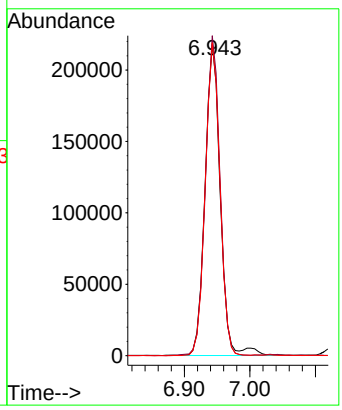




#9
Benzaldehyde
Concen: 27.534 ng m
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 77 Resp: 35338

Ion	Ratio	Lower	Upper
77	100		
105	102.8	81.4	121.4
106	100.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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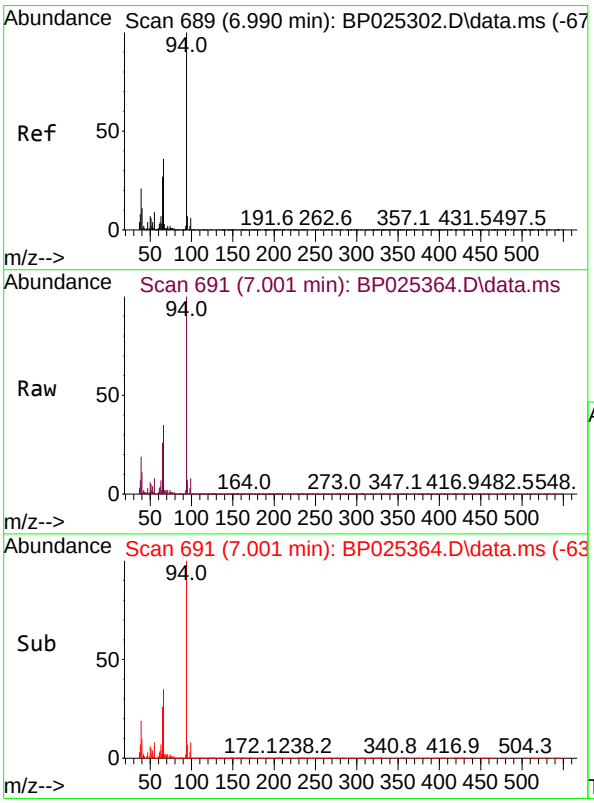
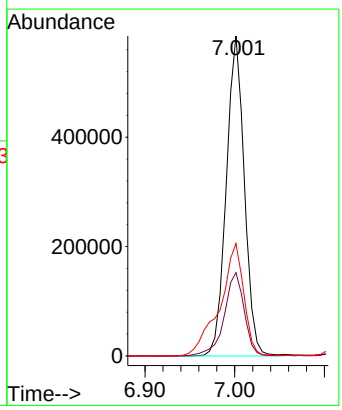
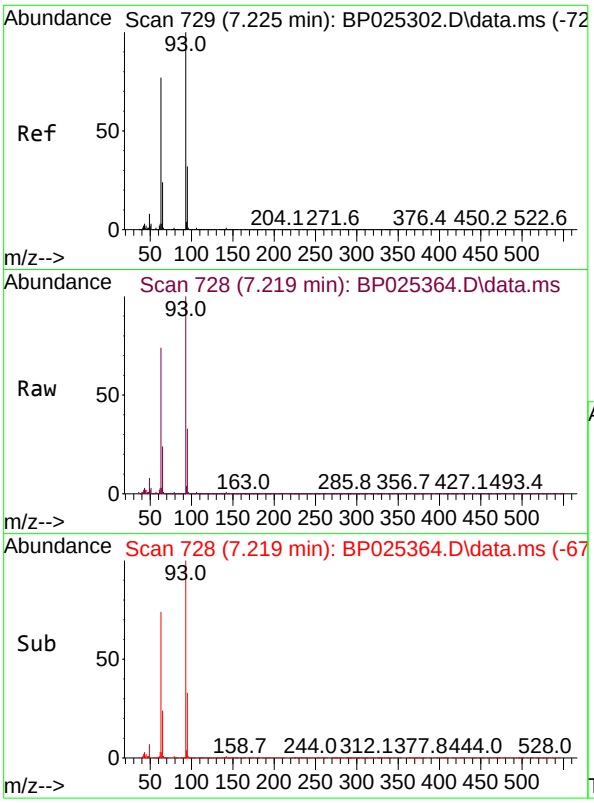


#10
Phenol
Concen: 42.283 ng
RT: 7.001 min Scan# 691
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 94 Resp: 817527

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	35.1	15.7	55.7

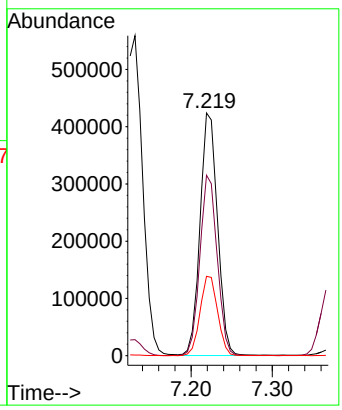




#11
bis(2-Chloroethyl)ether
Concen: 41.868 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 93 Resp: 63428

Ion	Ratio	Lower	Upper
93	100		
63	74.4	57.0	97.0
95	32.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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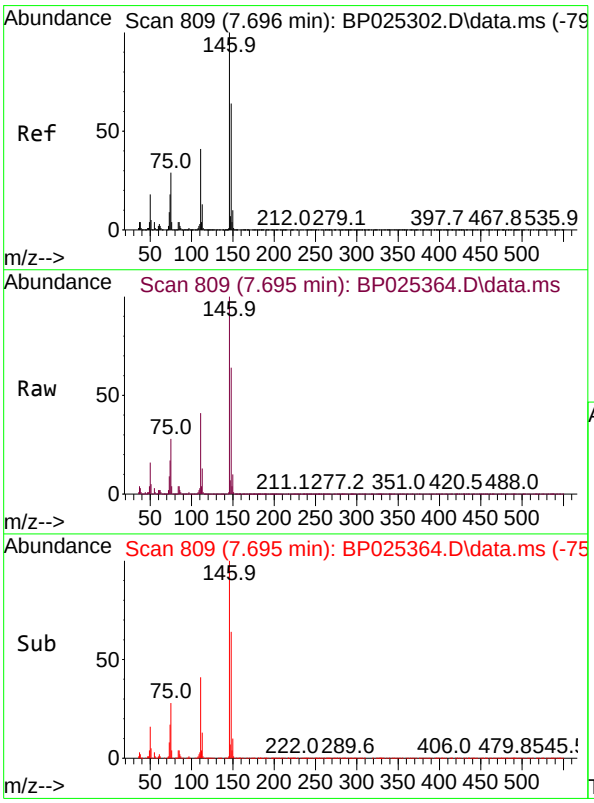
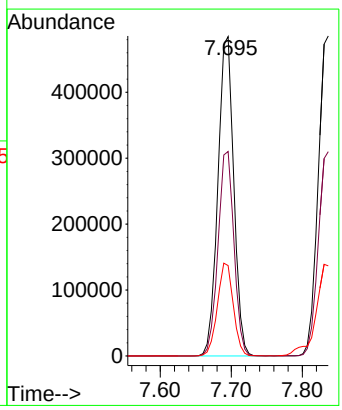
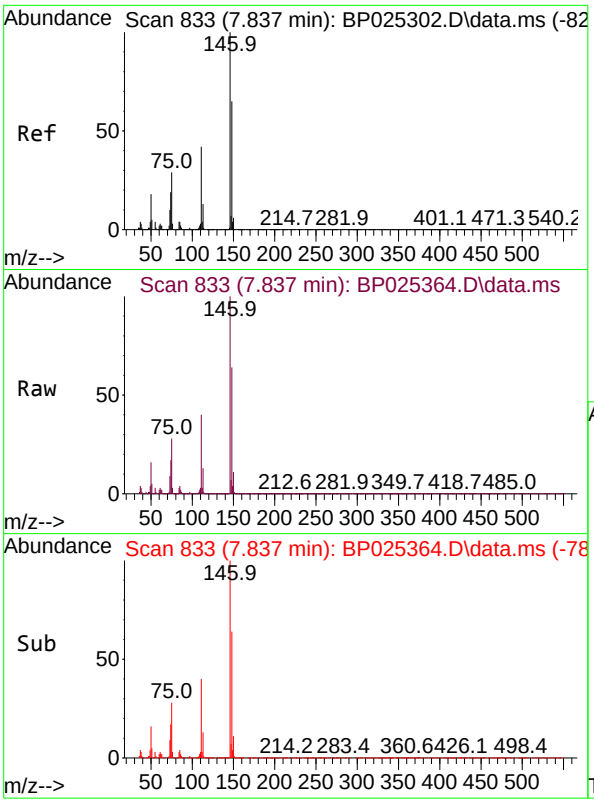


#12
1,3-Dichlorobenzene
Concen: 44.252 ng
RT: 7.695 min Scan# 809
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:146 Resp: 747314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
75	28.3	23.2	34.8

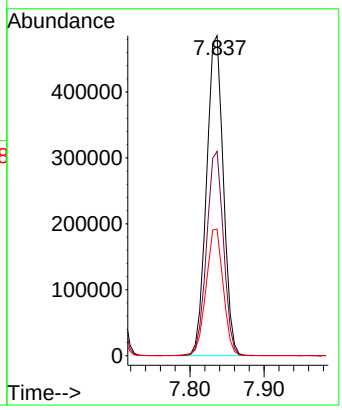




#13
1,4-Dichlorobenzene
Concen: 44.631 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:146 Resp: 76254

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.0	78.0
111	39.5	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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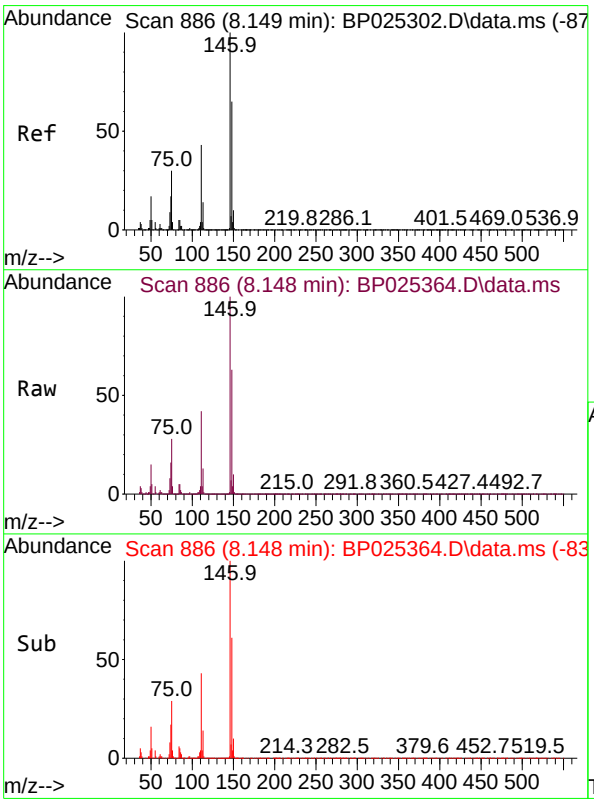
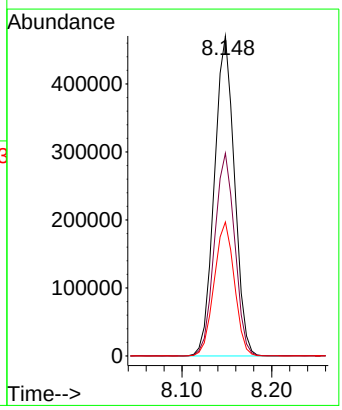
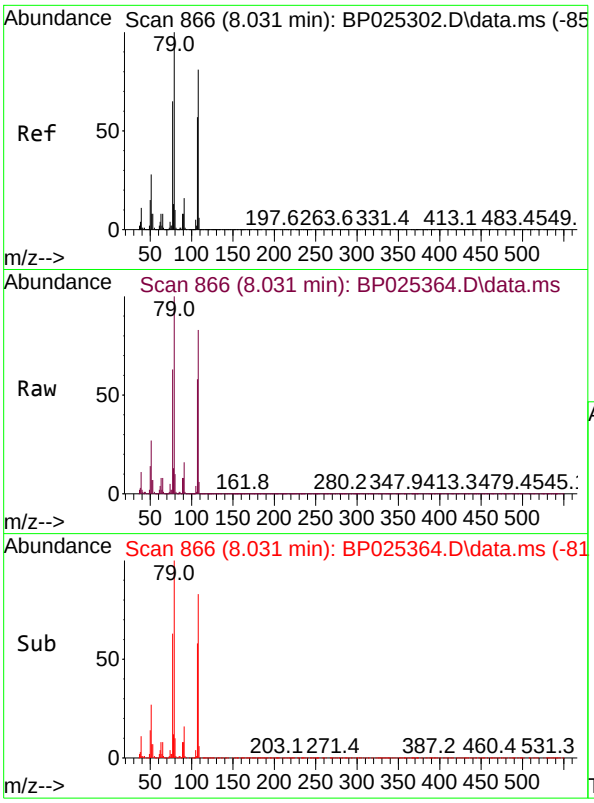


#14
1,2-Dichlorobenzene
Concen: 44.227 ng
RT: 8.148 min Scan# 886
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:146 Resp: 732005

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	41.8	34.4	51.6

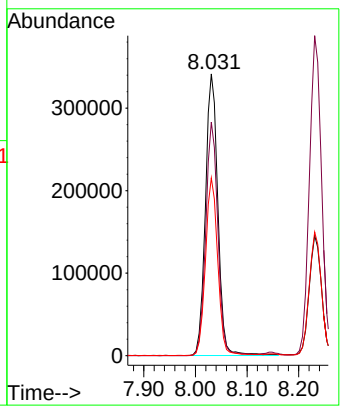




#15
Benzyl Alcohol
Concen: 40.710 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 79 Resp: 57024

Ion	Ratio	Lower	Upper
79	100		
108	82.9	64.5	96.7
77	63.1	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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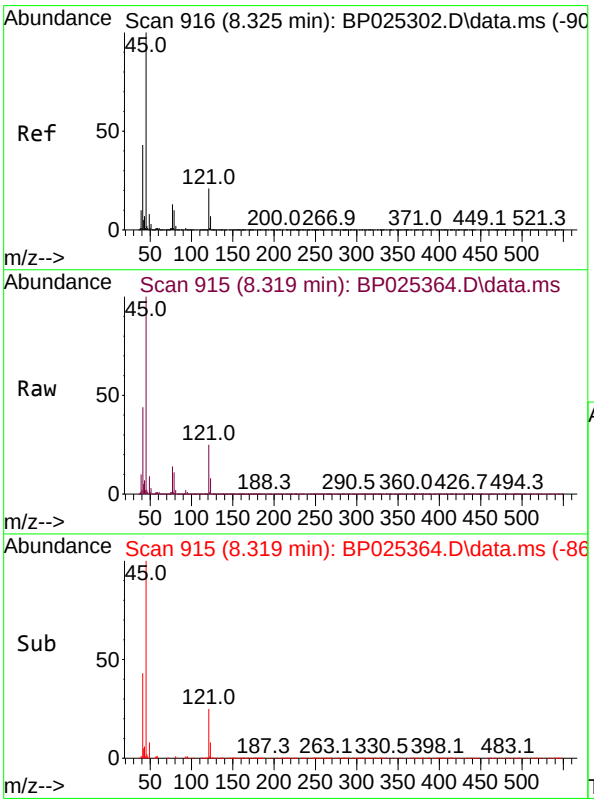
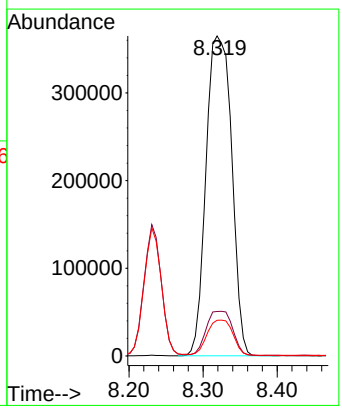
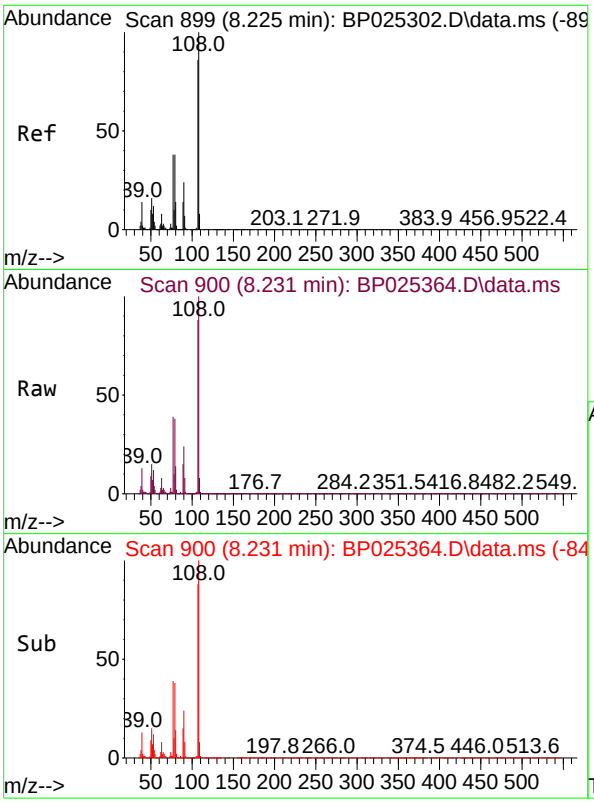


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.663 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 45 Resp: 877417

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.0
79	11.2	0.0	29.8

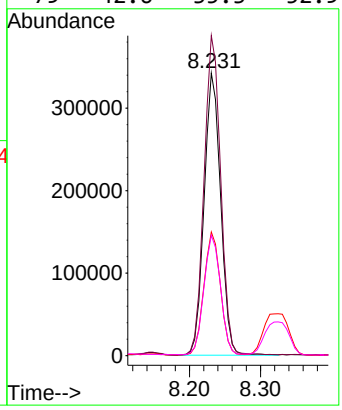




#17
2-Methylphenol
Concen: 42.885 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:107 Resp: 55481

Ion	Ratio	Lower	Upper
107	100		
108	113.2	92.6	139.0
77	43.8	35.4	53.2
79	42.6	35.3	52.9



Instrument :
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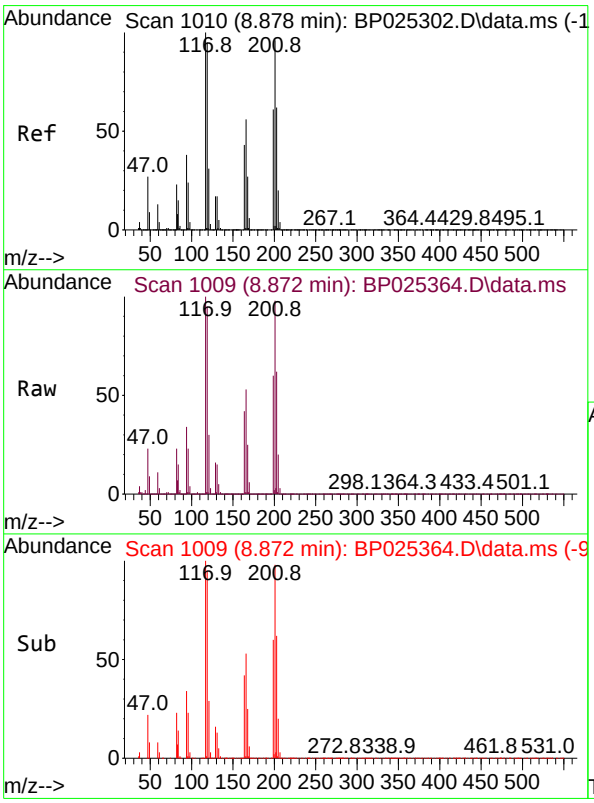
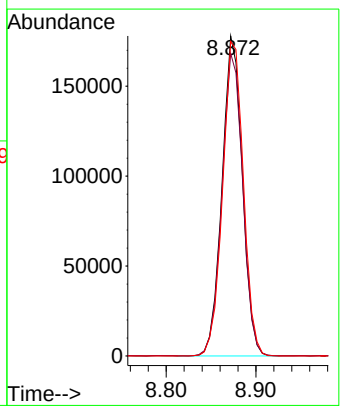
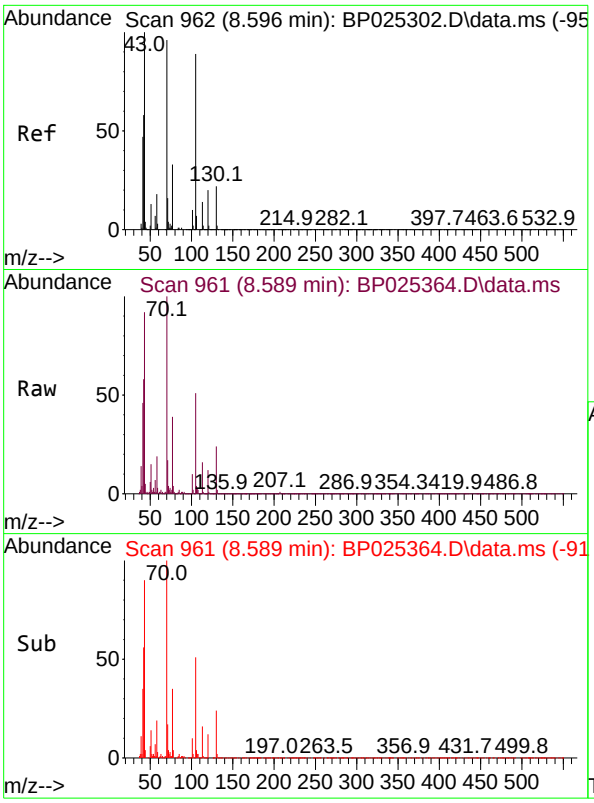


#18
Hexachloroethane
Concen: 45.784 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:117 Resp: 279747

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
201	98.3	76.6	114.8

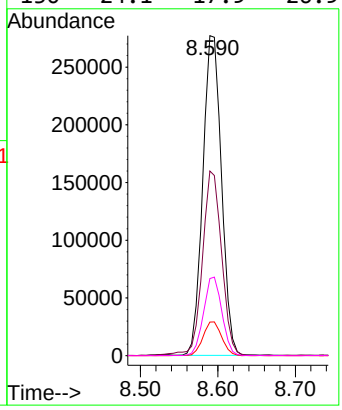




#19
n-Nitroso-di-n-propylamine
Concen: 39.014 ng
RT: 8.589 min Scan# 9
Delta R.T. -0.007 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 70 Resp: 46320

Ion	Ratio	Lower	Upper
70	100		
42	57.7	49.4	74.0
101	10.5	7.9	11.9
130	24.1	17.9	26.9



Instrument :
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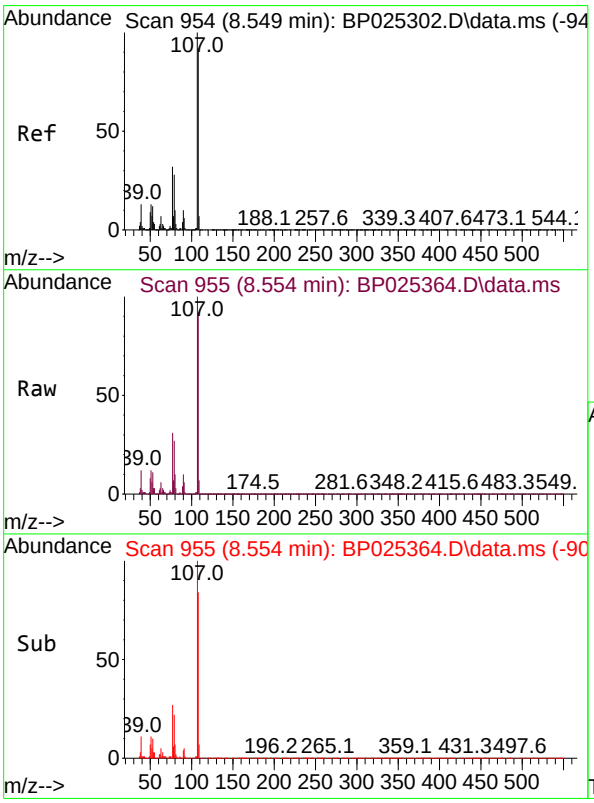
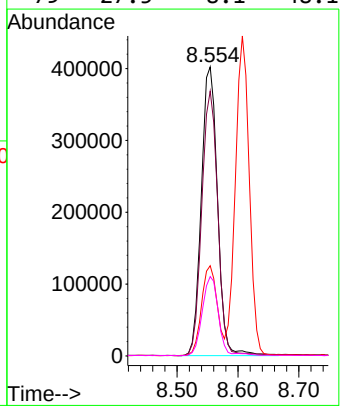
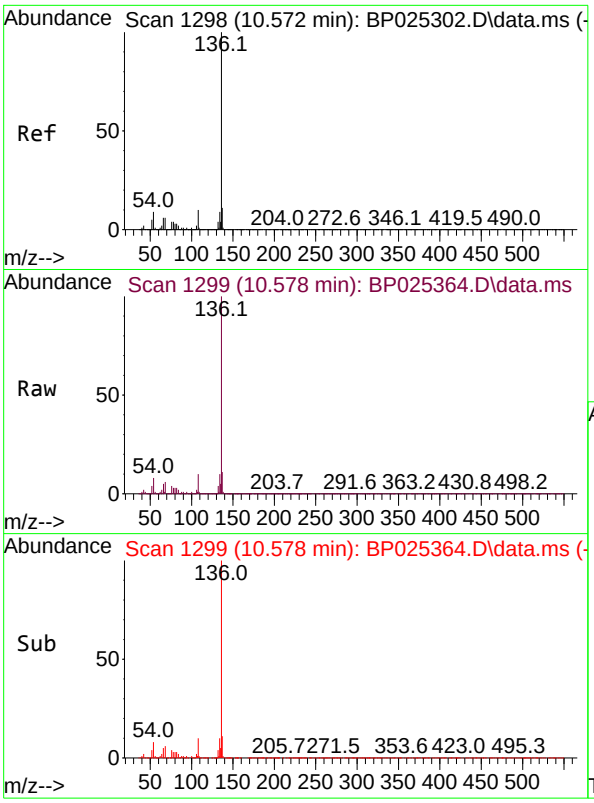


#20
3+4-Methylphenols
Concen: 41.833 ng
RT: 8.554 min Scan# 955
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:107 Resp: 745255

Ion	Ratio	Lower	Upper
107	100		
108	91.6	71.9	111.9
77	31.2	12.0	52.0
79	27.5	8.1	48.1

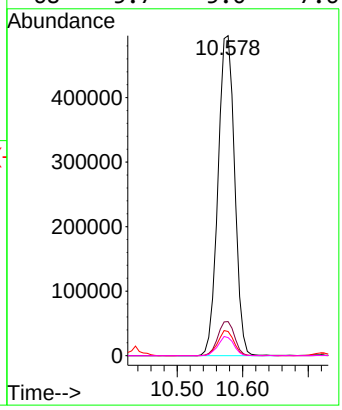




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:136 Resp: 86970

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	7.0	10.6
68	5.7	5.0	7.6



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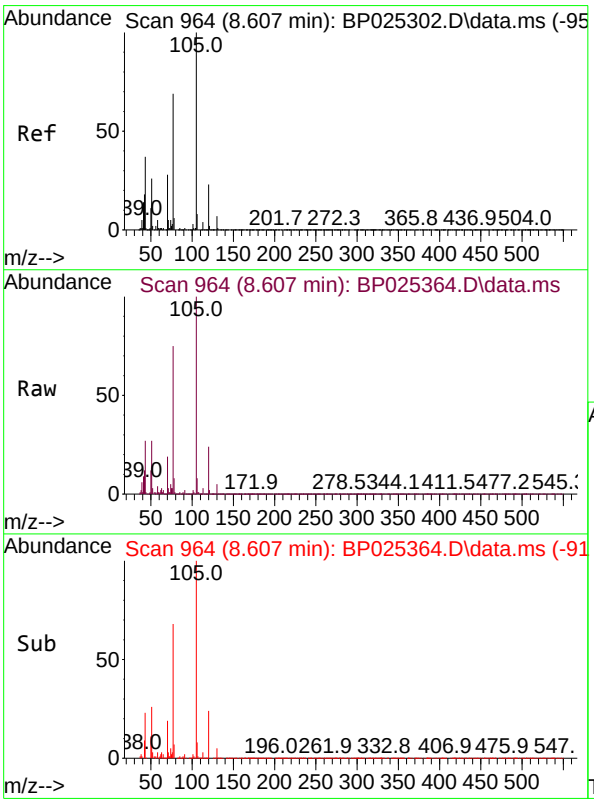
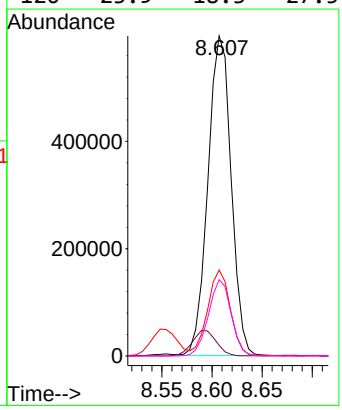
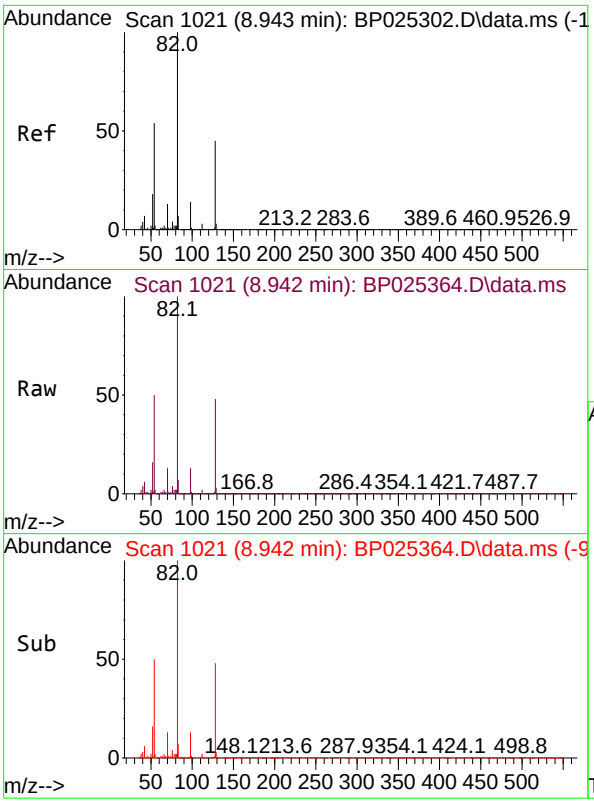


#22
Acetophenone
Concen: 44.054 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:105 Resp: 961828

Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.1	6.1#
51	26.9	22.7	34.1
120	23.9	18.3	27.5

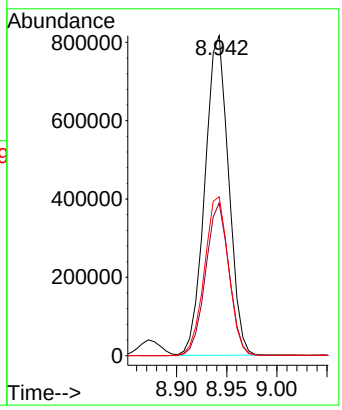




#23
Nitrobenzene-d5
Concen: 85.660 ng
RT: 8.942 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 82 Resp: 134471

Ion	Ratio	Lower	Upper
82	100		
128	47.7	35.4	53.2
54	49.6	42.9	64.3



Instrument :
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ClientSampleId :
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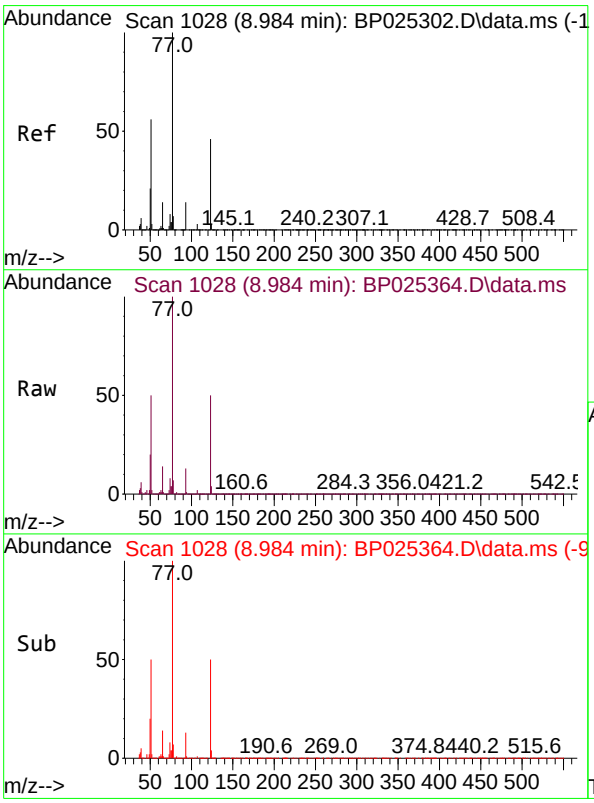
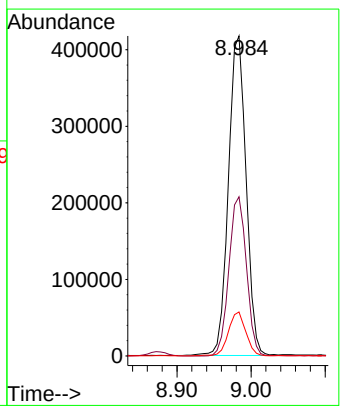
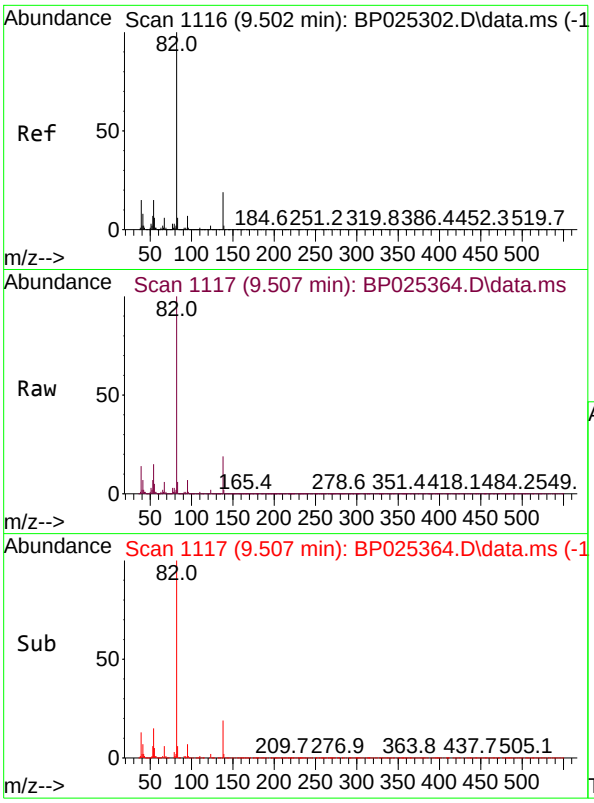


#24
Nitrobenzene
Concen: 46.513 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 77 Resp: 691190

Ion	Ratio	Lower	Upper
77	100		
123	49.7	37.4	56.2
65	13.8	11.1	16.7





#25
Isophorone
Concen: 42.295 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 82 Resp: 132166

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	19.0	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
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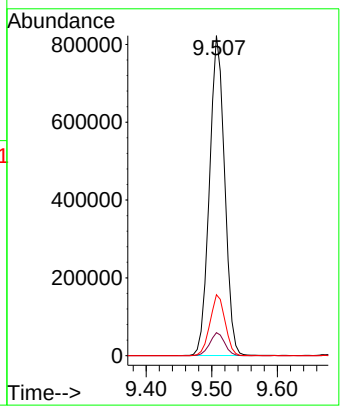
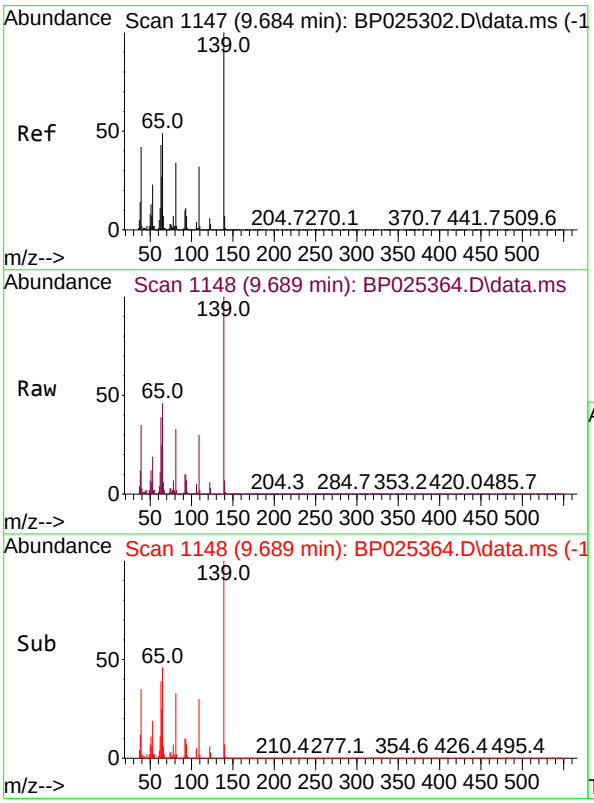
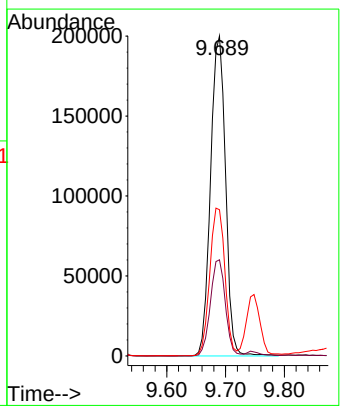


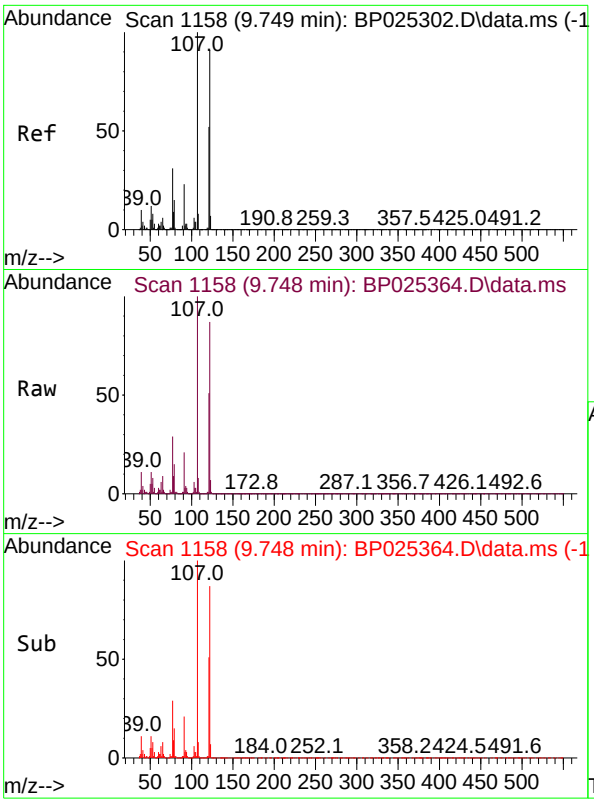


#26
2-Nitrophenol
Concen: 54.210 ng
RT: 9.689 min Scan# 1148
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:139 Resp: 354210

Ion	Ratio	Lower	Upper
139	100		
109	30.1	25.2	37.8
65	45.7	39.6	59.4

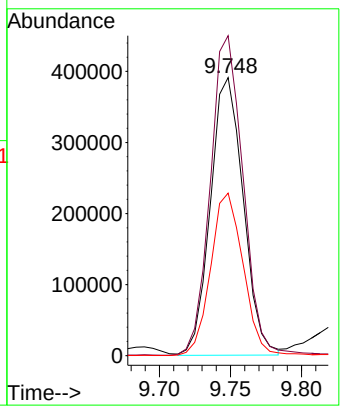




#27
2,4-Dimethylphenol
Concen: 43.607 ng
RT: 9.748 min Scan# 11
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:122 Resp: 62823

Ion	Ratio	Lower	Upper
122	100		
107	115.0	87.4	131.0
121	58.5	45.8	68.8



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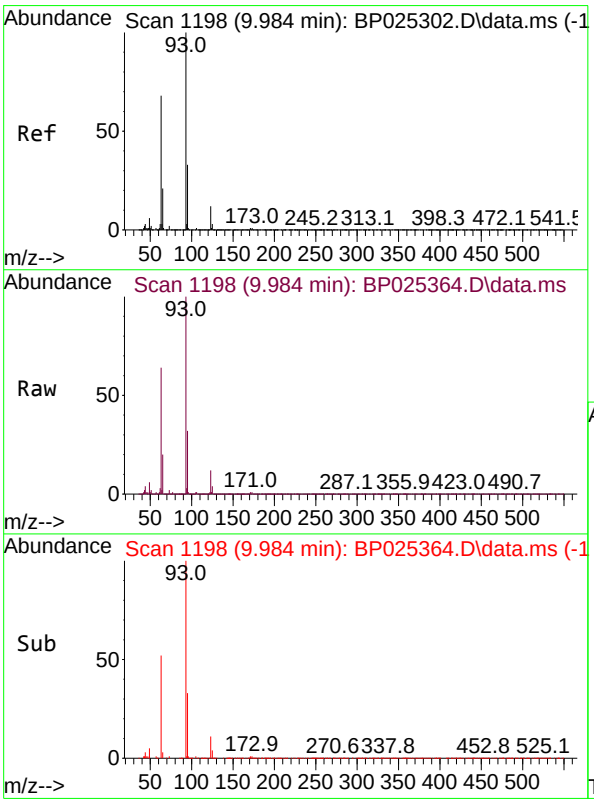
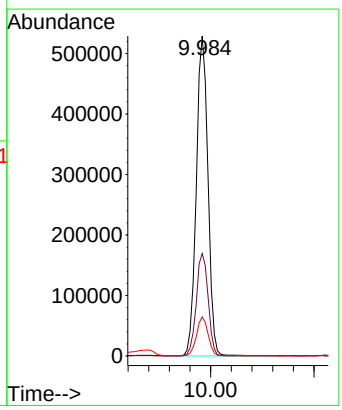
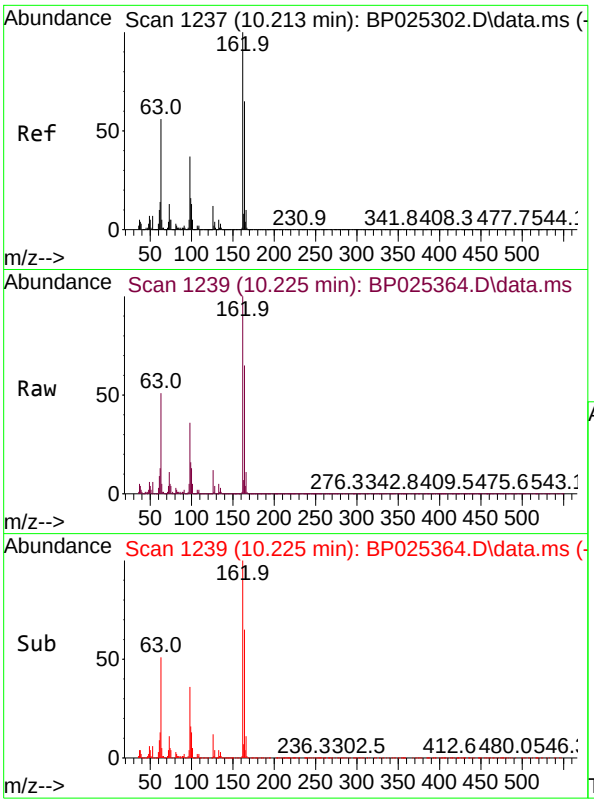


#28
bis(2-Chloroethoxy)methane
Concen: 43.576 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 93 Resp: 828355

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.5	39.7
123	12.2	9.4	14.2

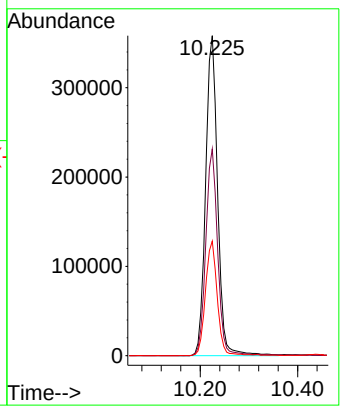




#29
2,4-Dichlorophenol
Concen: 48.340 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:162 Resp: 60970

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.2	85.2
98	35.8	17.5	57.5



Instrument :
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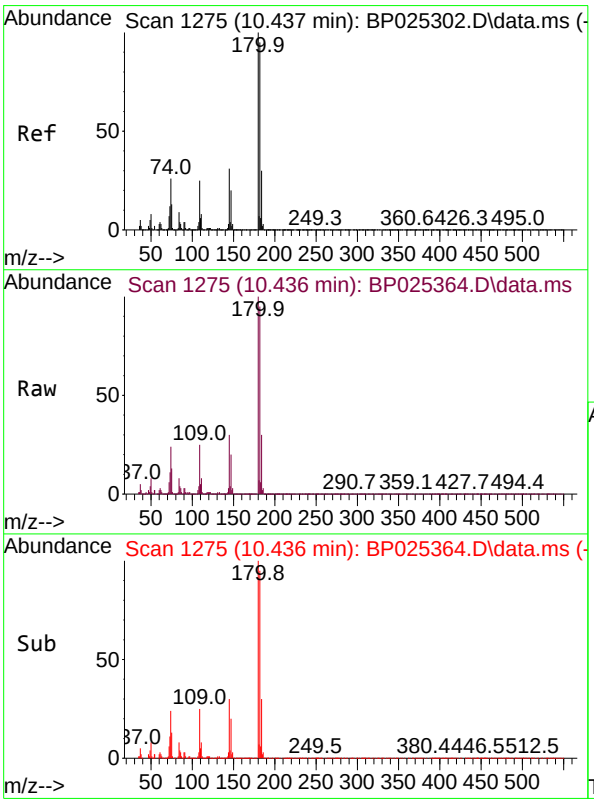
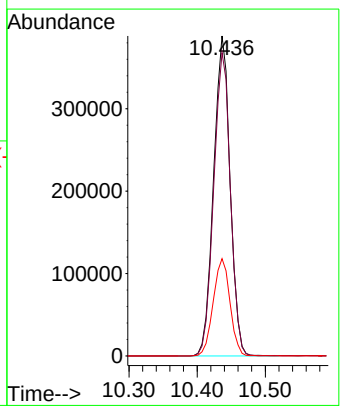
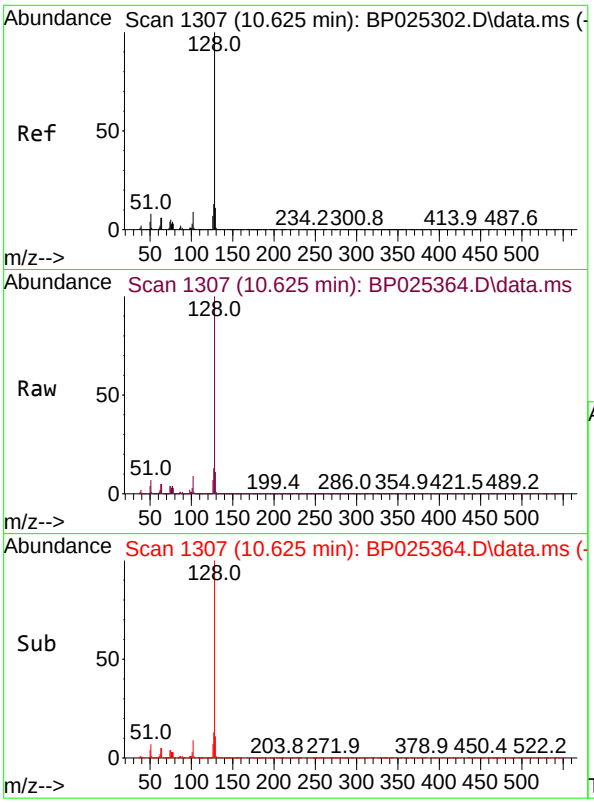


#30
1,2,4-Trichlorobenzene
Concen: 47.032 ng
RT: 10.436 min Scan# 1275
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:180 Resp: 654455

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	30.4	25.0	37.4





#31
Naphthalene
Concen: 45.364 ng
RT: 10.625 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:128 Resp: 204811

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.8	10.4	15.6

Instrument :
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ClientSampleId :
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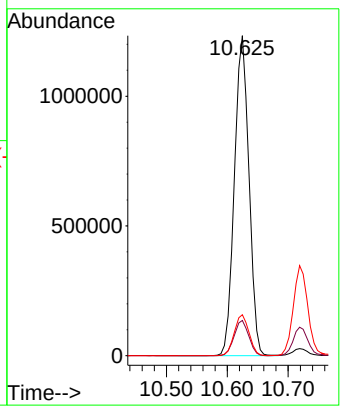
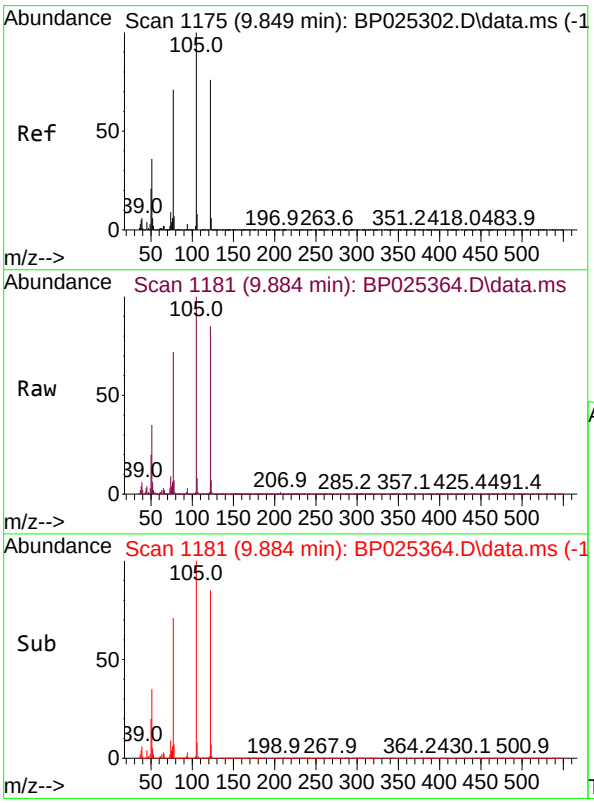
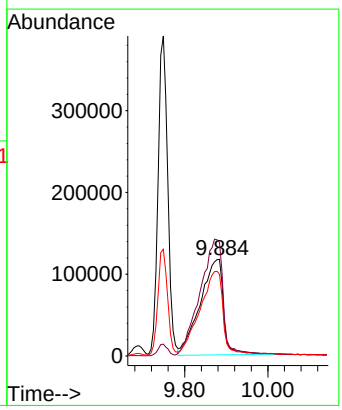


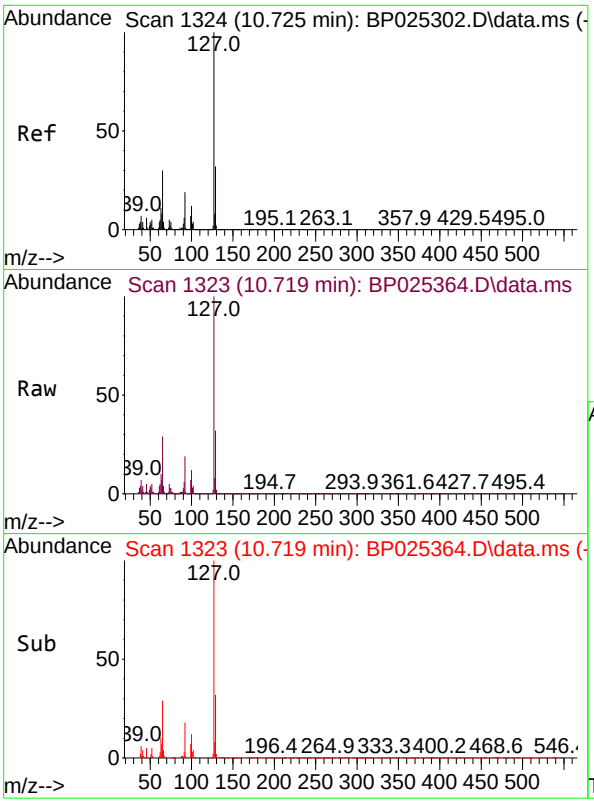


#32
Benzoic acid
Concen: 53.159 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.035 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:122 Resp: 456006

Ion	Ratio	Lower	Upper
122	100		
105	117.6	104.0	144.0
77	84.5	71.8	111.8

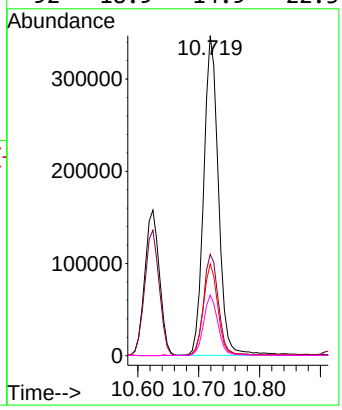




#33
4-Chloroaniline
Concen: 29.026 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:127 Resp: 58284

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.6
65	28.7	23.6	35.4
92	18.9	14.9	22.3



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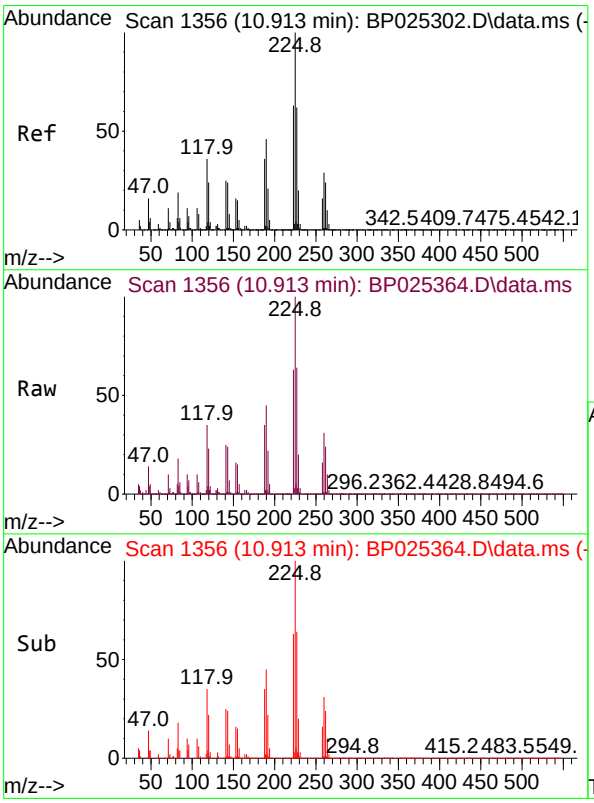
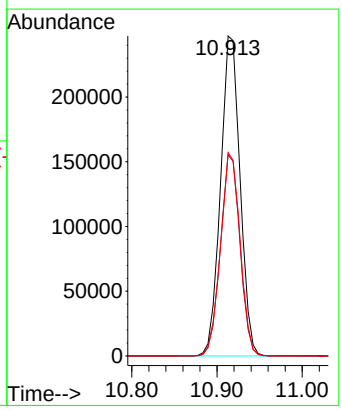
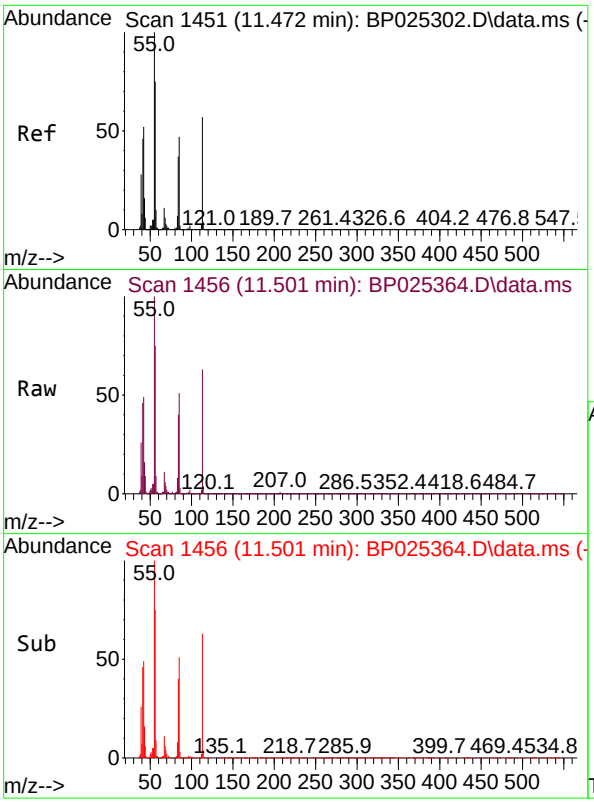


#34
Hexachlorobutadiene
Concen: 49.294 ng
RT: 10.913 min Scan# 1356
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:225 Resp: 393747

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.5	49.7	74.5





#35
Caprolactam
Concen: 42.662 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:113 Resp: 20874

Ion	Ratio	Lower	Upper
113	100		
55	159.8	154.4	194.4
56	119.6	110.9	150.9

Instrument :
BNA_P
ClientSampleId :
PB169180BS

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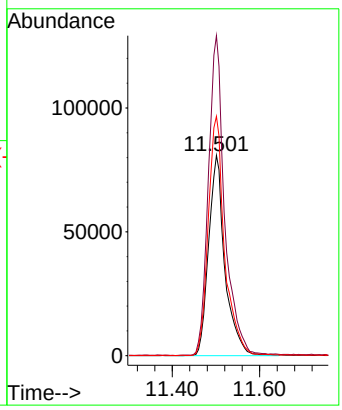
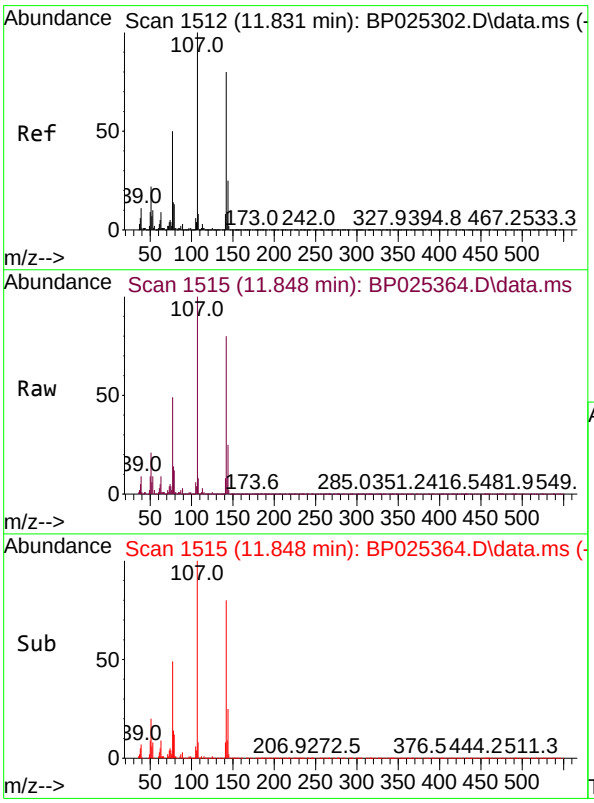
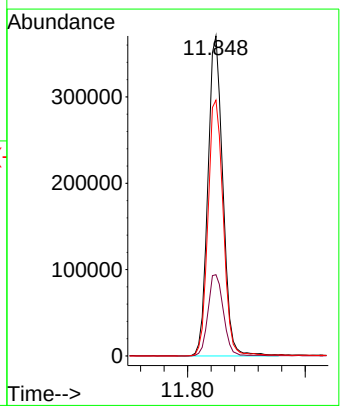


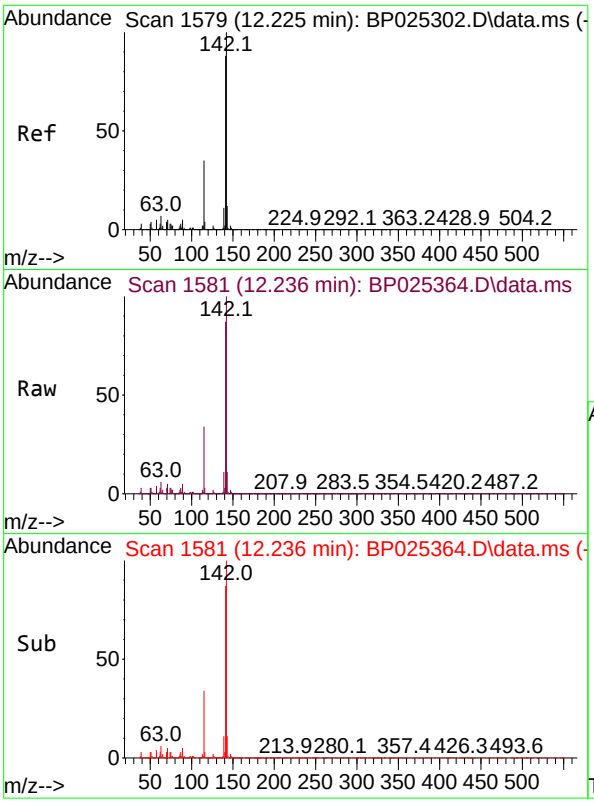


#36
4-Chloro-3-methylphenol
Concen: 44.901 ng
RT: 11.848 min Scan# 1515
Delta R.T. 0.017 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:107 Resp: 655298

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.4	30.6
142	79.9	63.7	95.5

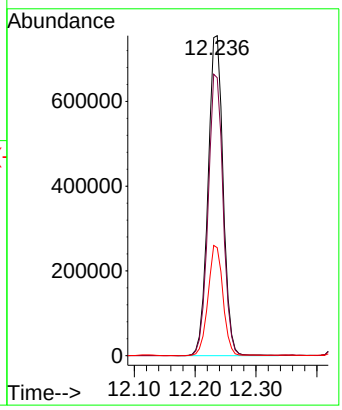




#37
2-Methylnaphthalene
Concen: 44.332 ng
RT: 12.236 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:142 Resp: 129548

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	33.7	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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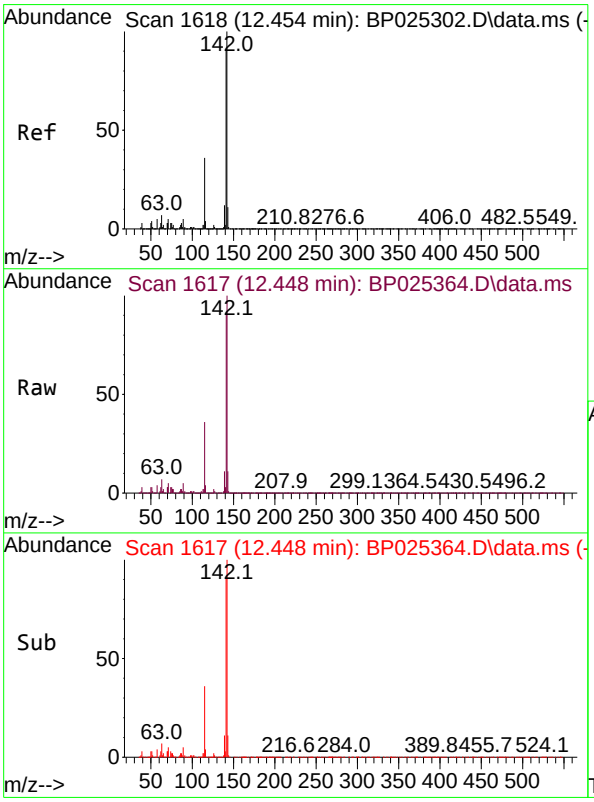
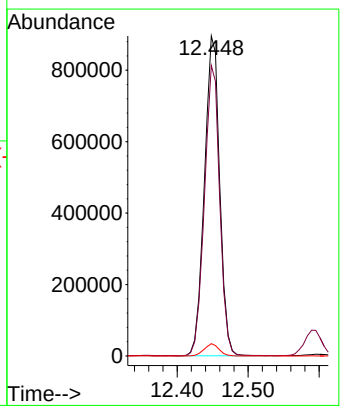
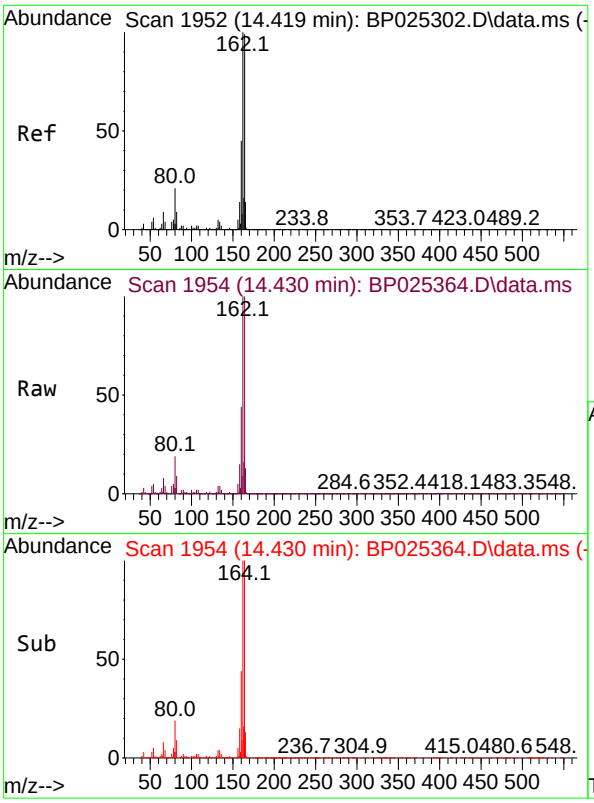


#38
1-Methylnaphthalene
Concen: 43.918 ng
RT: 12.448 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:142 Resp: 1339118

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.6
116	3.9	3.0	4.6

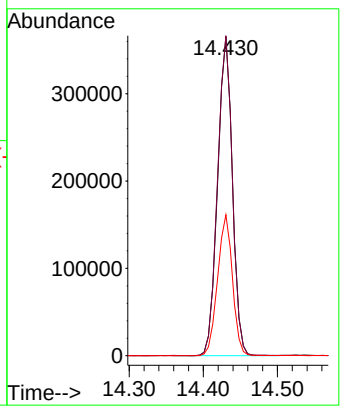




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.430 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:164 Resp: 50572

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	44.2	35.9	53.9



Instrument :
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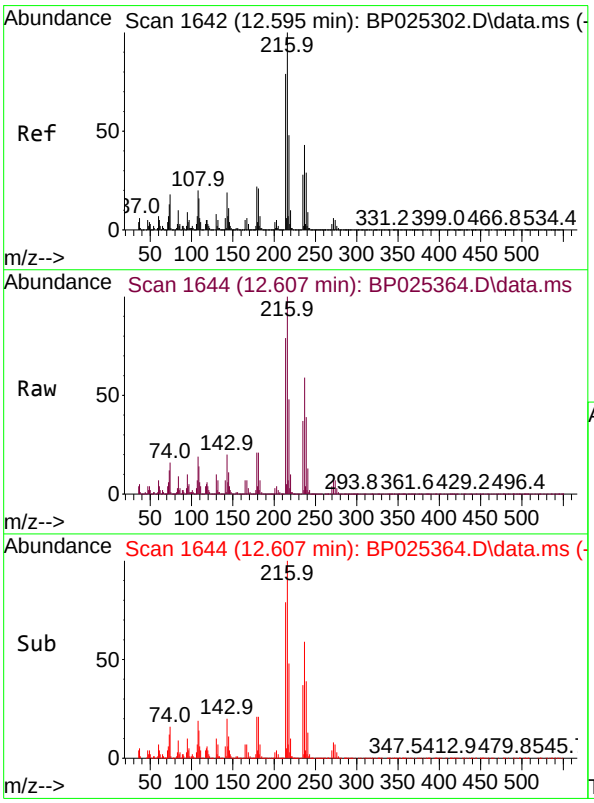
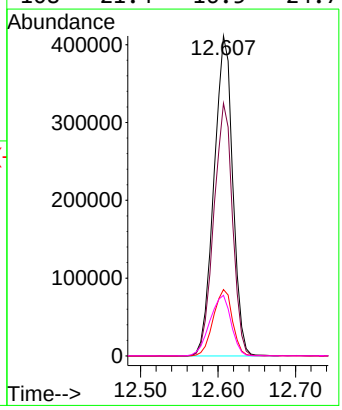
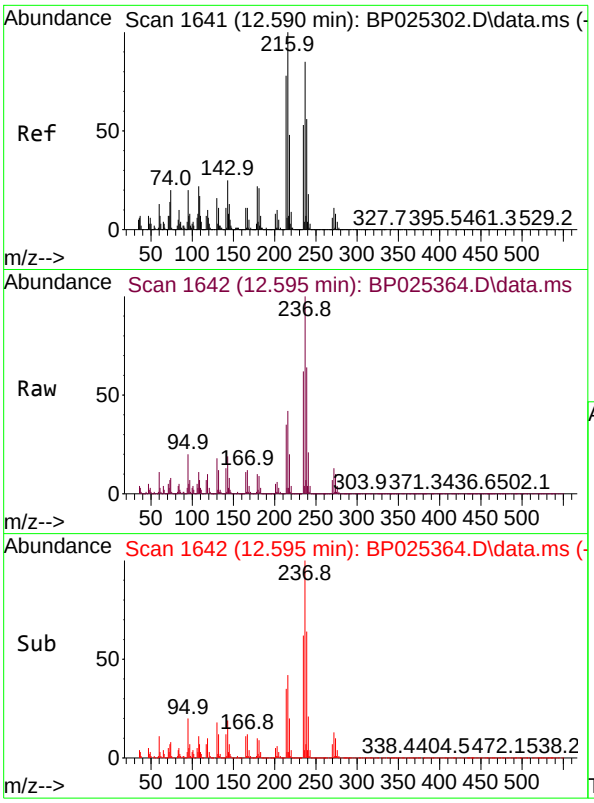


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.196 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:216 Resp: 693061

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.4	93.6
179	21.2	17.5	26.3
108	21.4	16.5	24.7

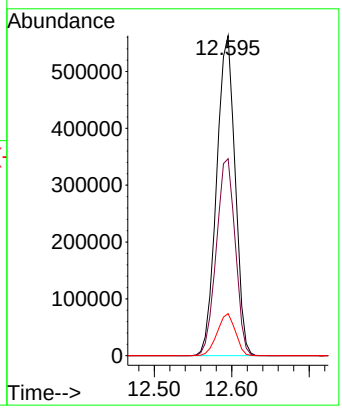




#41
Hexachlorocyclopentadiene
Concen: 109.556 ng
RT: 12.595 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:237 Resp: 93359

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.2	82.2
272	13.2	0.0	32.8



Instrument :
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ClientSampleId :
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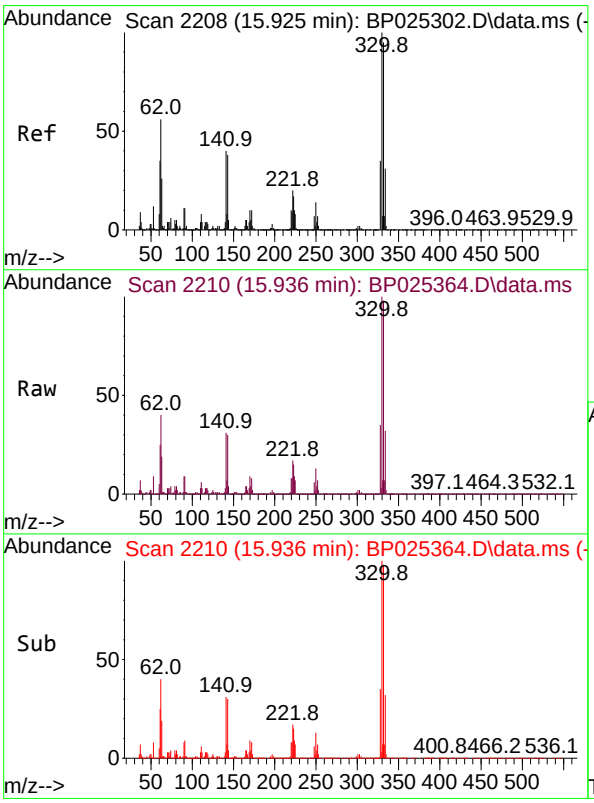
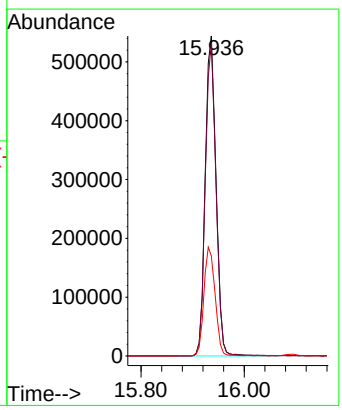
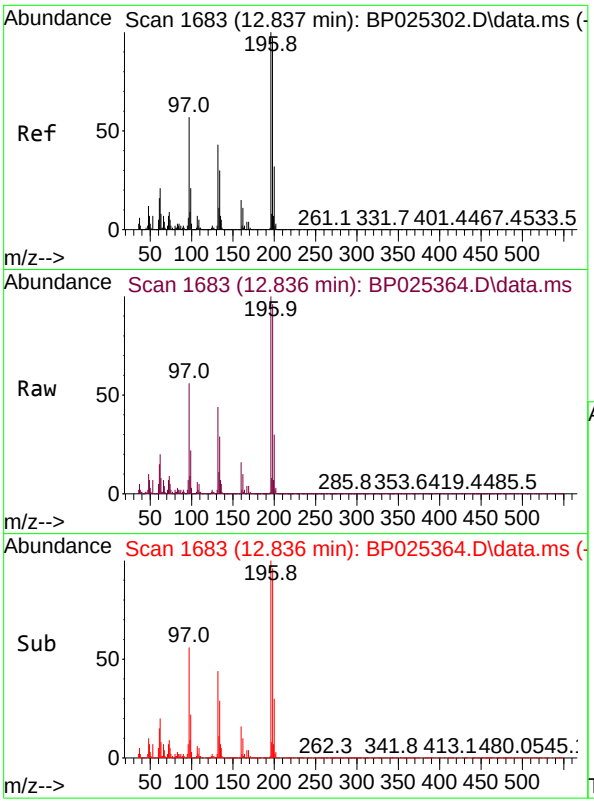


#42
2,4,6-Tribromophenol
Concen: 156.336 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:330 Resp: 788751

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	35.1	31.7	47.5

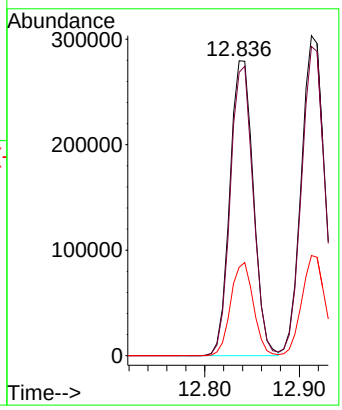




#43
2,4,6-Trichlorophenol
Concen: 54.098 ng
RT: 12.836 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:196 Resp: 48251

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.3	115.9
200	30.0	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
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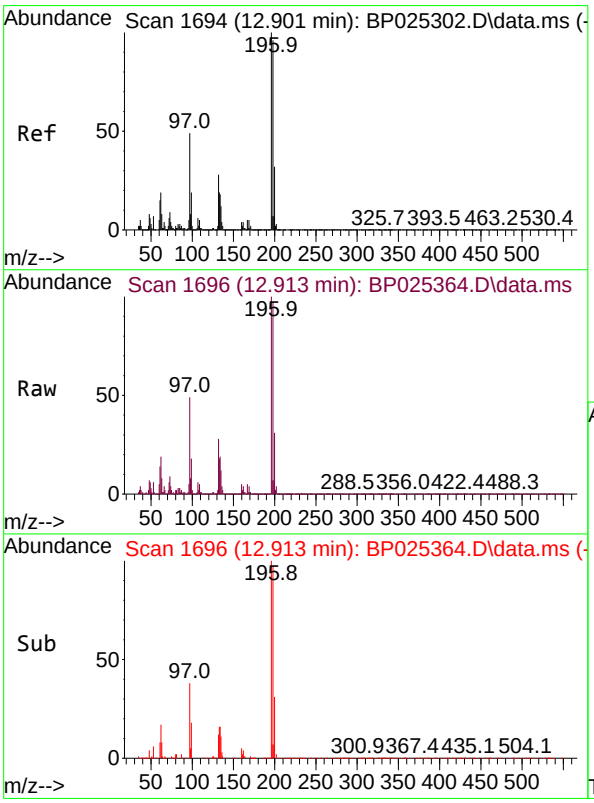
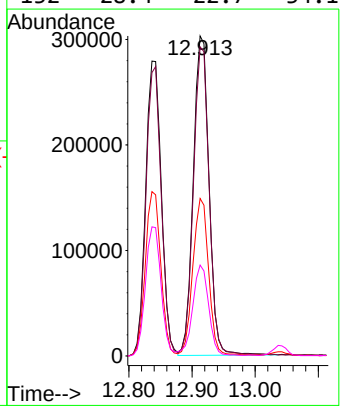
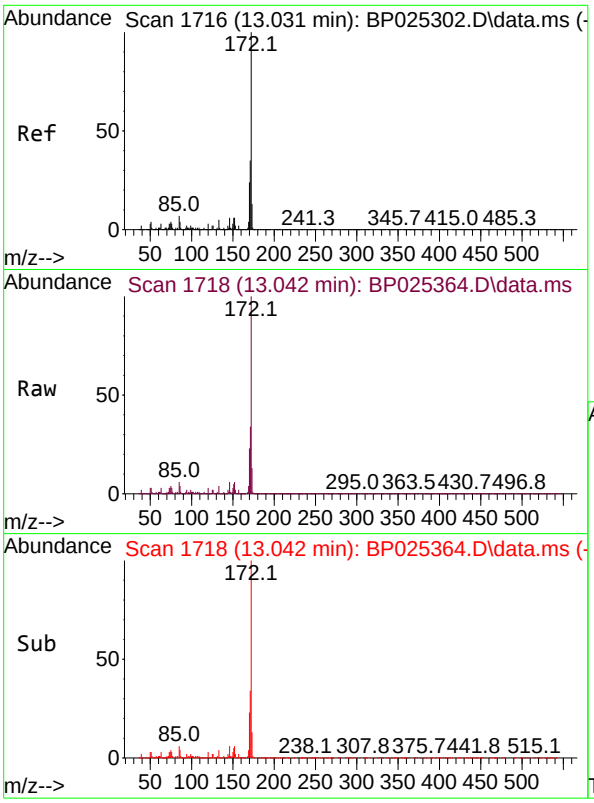


#44
2,4,5-Trichlorophenol
Concen: 52.521 ng
RT: 12.913 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:196 Resp: 525502

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.6	114.8
97	49.2	39.5	59.3
132	28.4	22.7	34.1

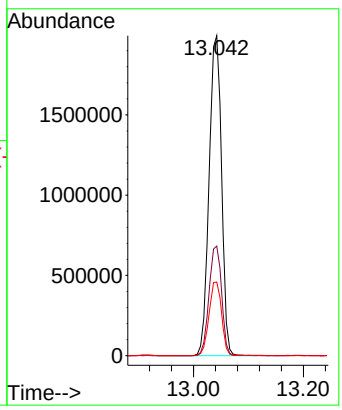




#45
2-Fluorobiphenyl
Concen: 85.456 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:172 Resp: 312896

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.0	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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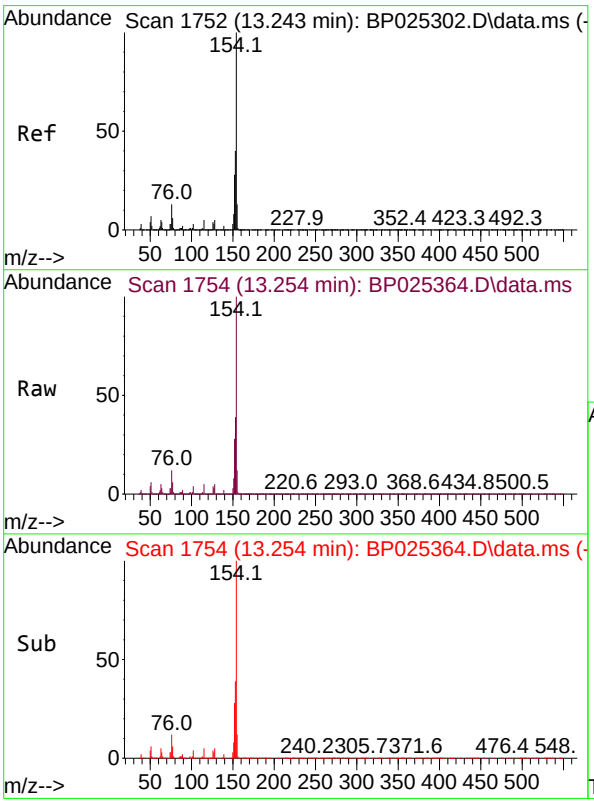
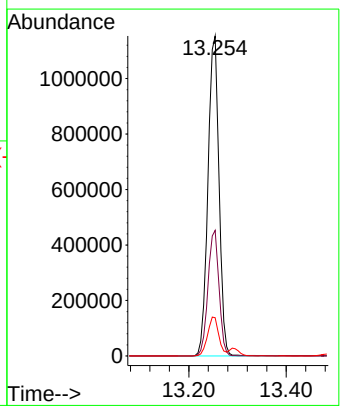
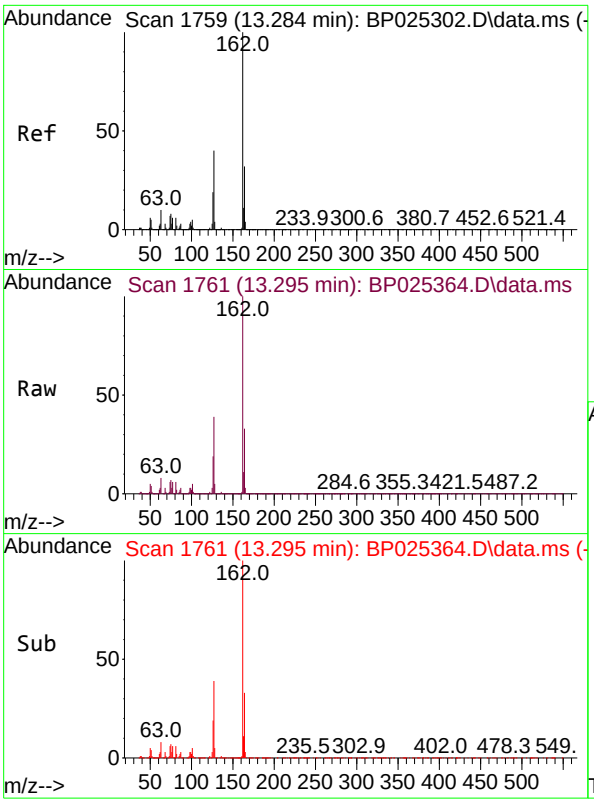


#46
1,1'-Biphenyl
Concen: 48.542 ng
RT: 13.254 min Scan# 1754
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:154 Resp: 1809157

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.9	59.9
76	11.9	0.0	33.2

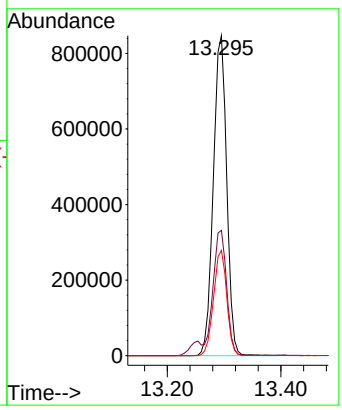




#47
2-Chloronaphthalene
Concen: 48.633 ng
RT: 13.295 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:162 Resp: 138284

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.2	48.2
164	32.9	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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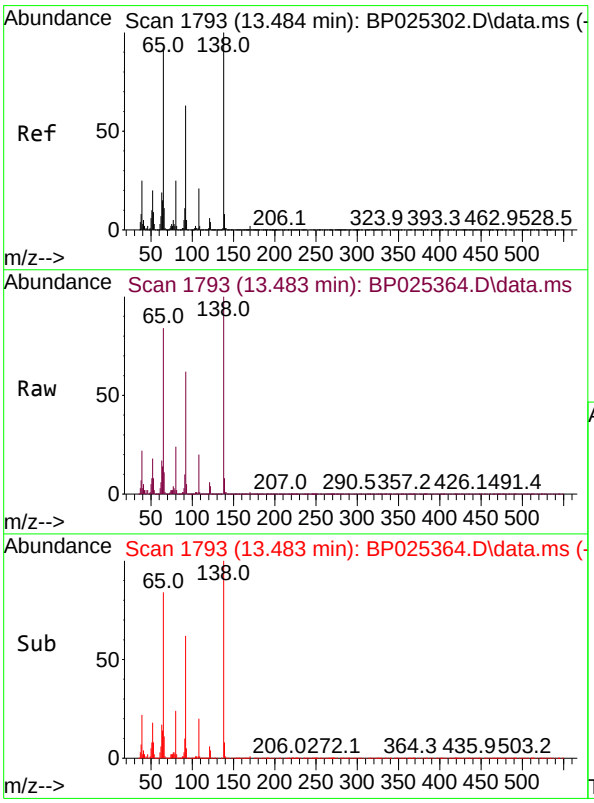
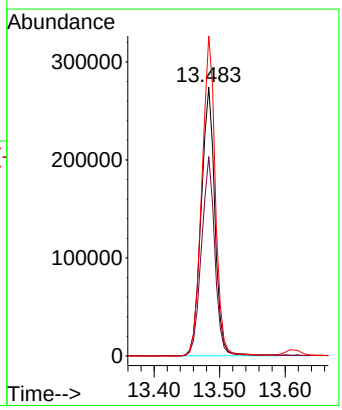
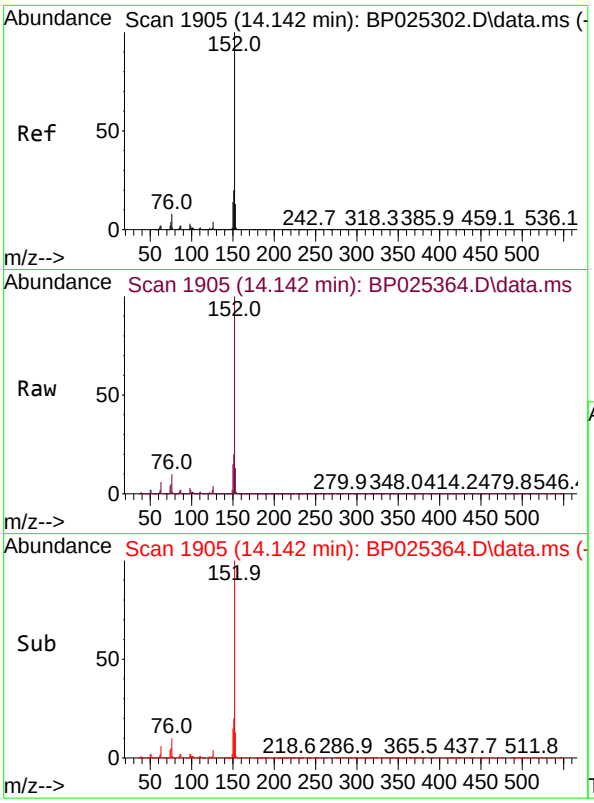


#48
2-Nitroaniline
Concen: 47.982 ng
RT: 13.483 min Scan# 1793
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 65 Resp: 399641

Ion	Ratio	Lower	Upper
65	100		
92	74.1	54.4	81.6
138	119.0	87.0	130.4





#49
Acenaphthylene
Concen: 47.430 ng
RT: 14.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Tgt Ion:152 Resp: 224955

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.2	10.4	15.6

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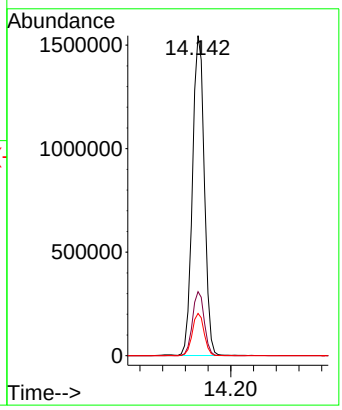
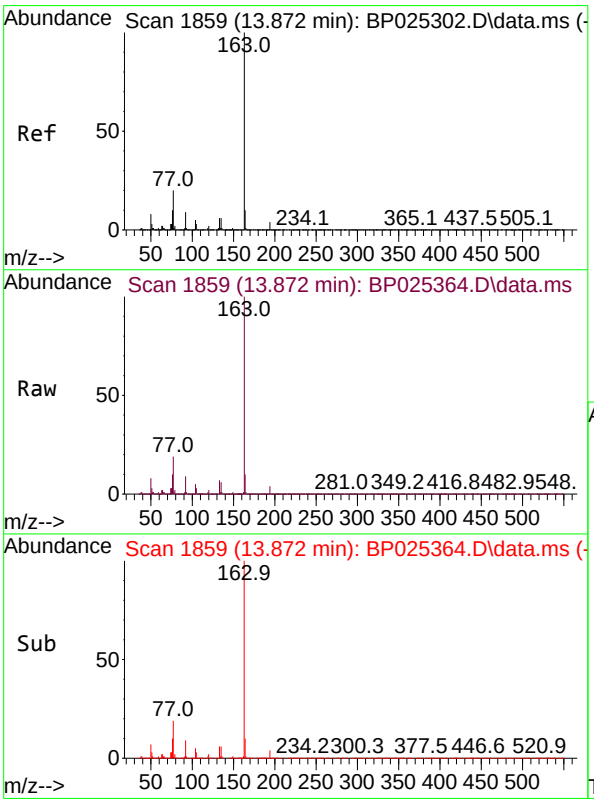
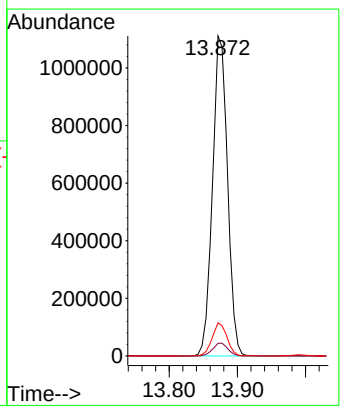


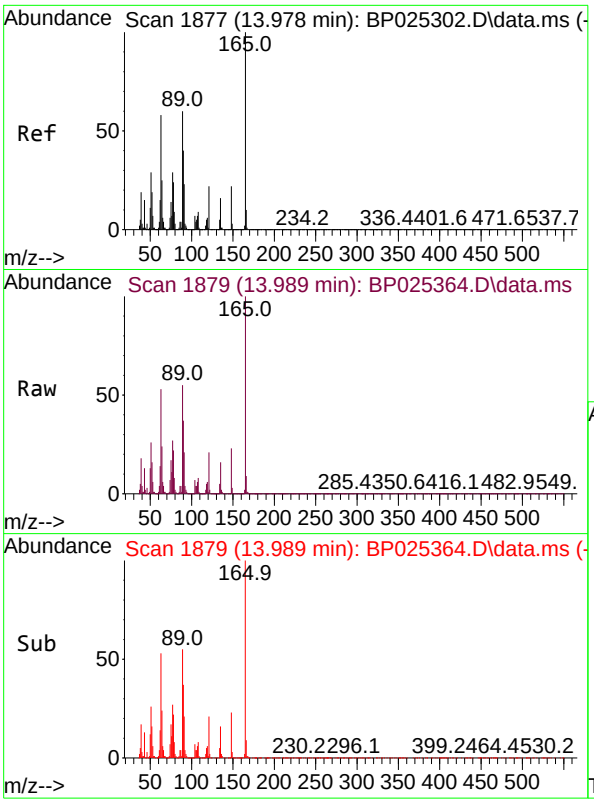


#50
Dimethylphthalate
Concen: 46.254 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:163 Resp: 1705266

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 54.648 ng
RT: 13.989 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:165 Resp: 37161

Ion	Ratio	Lower	Upper
165	100		
63	52.9	47.6	71.4
89	54.9	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
PB169180BS

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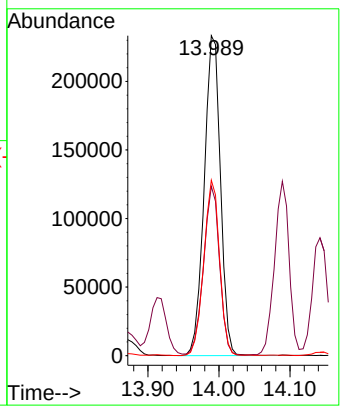
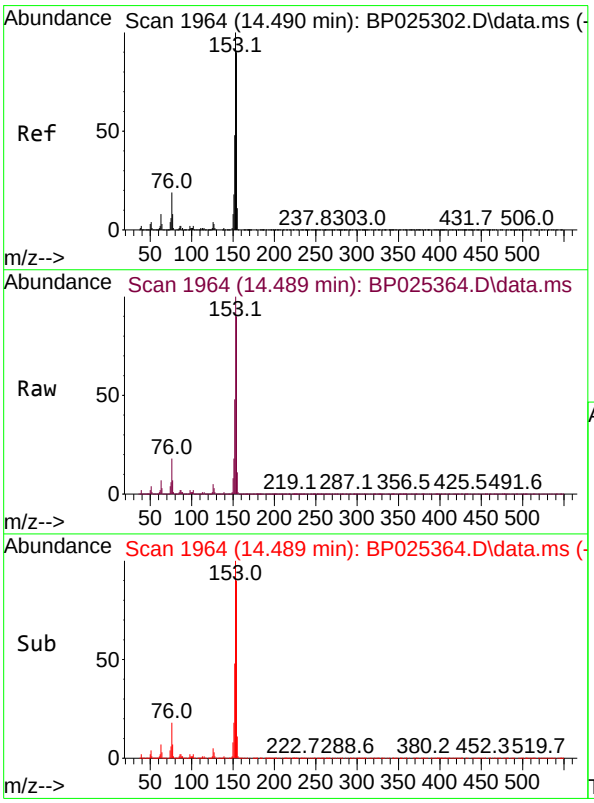
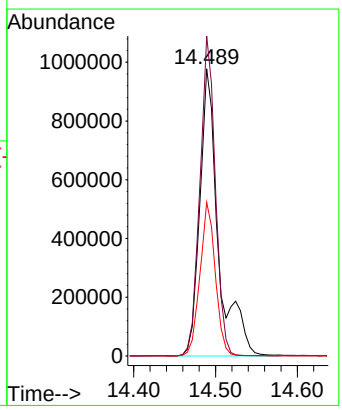


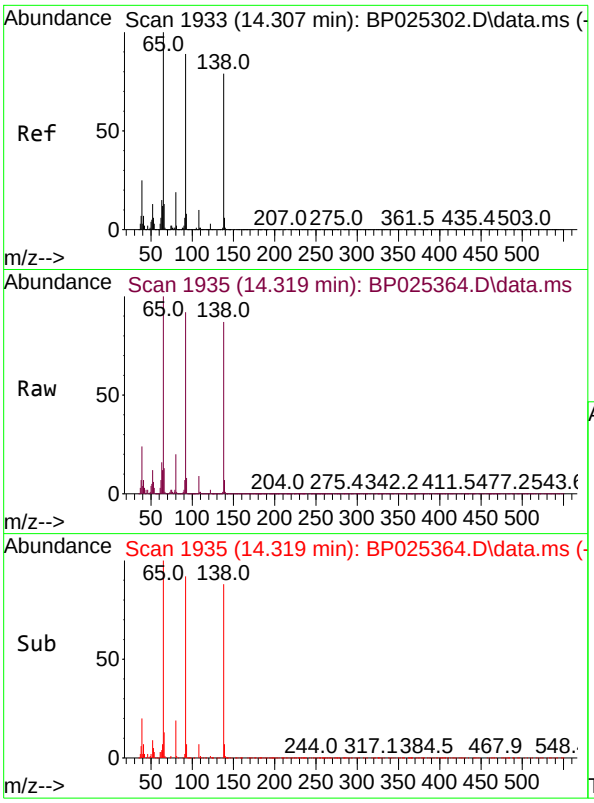


#52
Acenaphthene
Concen: 53.469 ng m
RT: 14.489 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:154 Resp: 1546862

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.4	134.0
152	53.5	43.0	64.6





#53
3-Nitroaniline
Concen: 41.725 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:138 Resp: 33201

Ion	Ratio	Lower	Upper
138	100		
108	10.2	10.5	15.7#
92	105.3	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
PB169180BS

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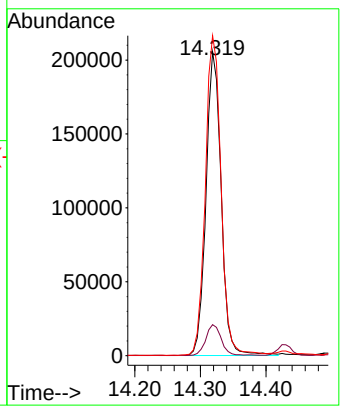
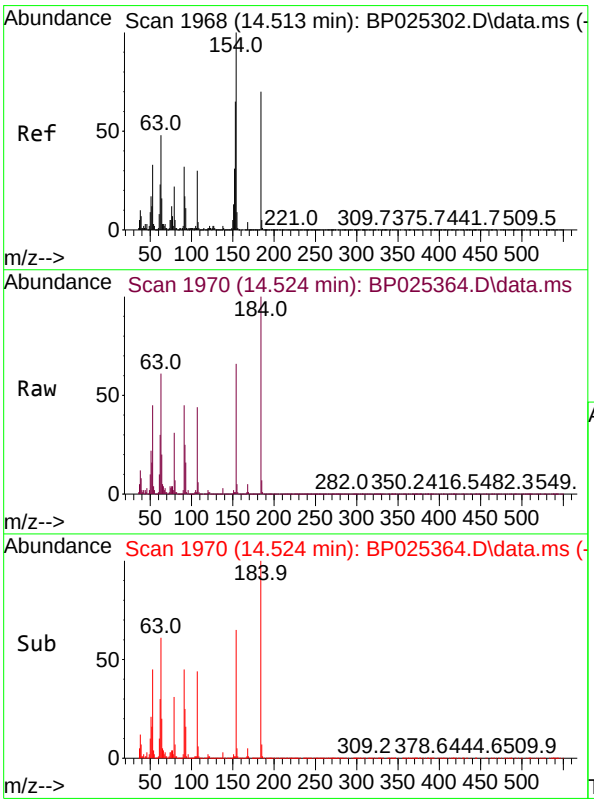
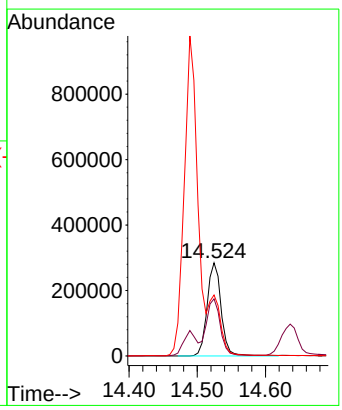


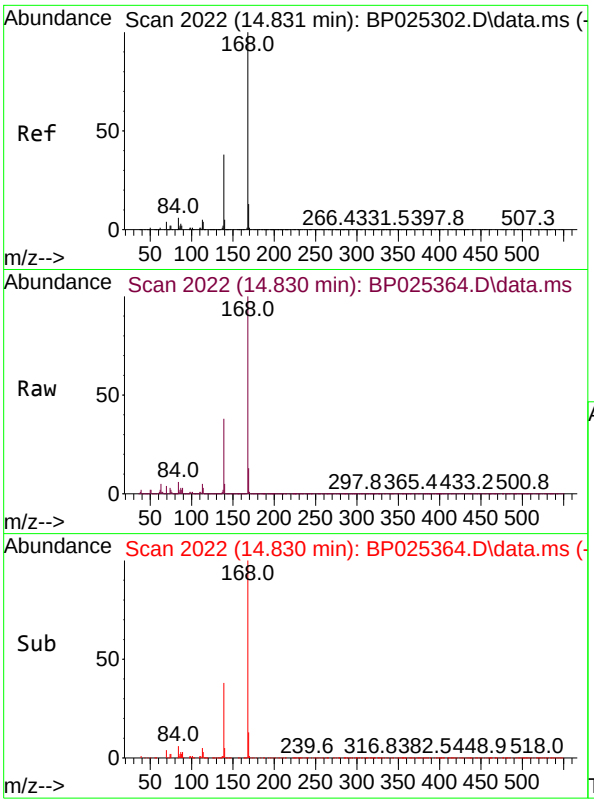


#54
2,4-Dinitrophenol
Concen: 95.583 ng
RT: 14.524 min Scan# 1970
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:184 Resp: 406086

Ion	Ratio	Lower	Upper
184	100		
63	61.4	56.3	84.5
154	65.5	124.5	186.7#

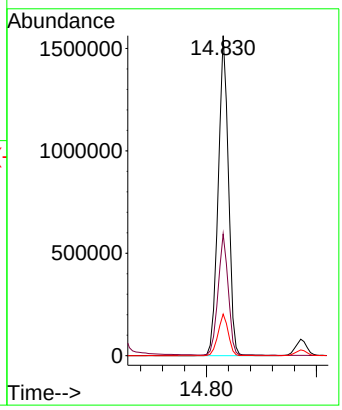




#55
Dibenzofuran
Concen: 46.655 ng
RT: 14.830 min Scan# 2
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:168 Resp: 201703

Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.5	45.7
169	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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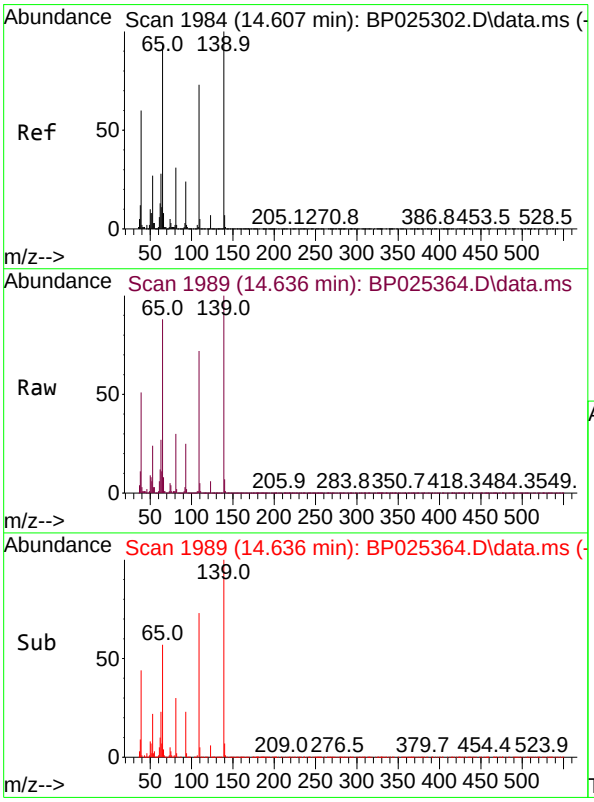
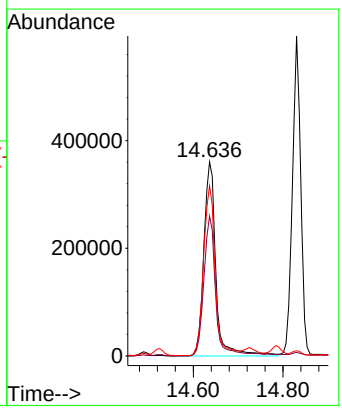
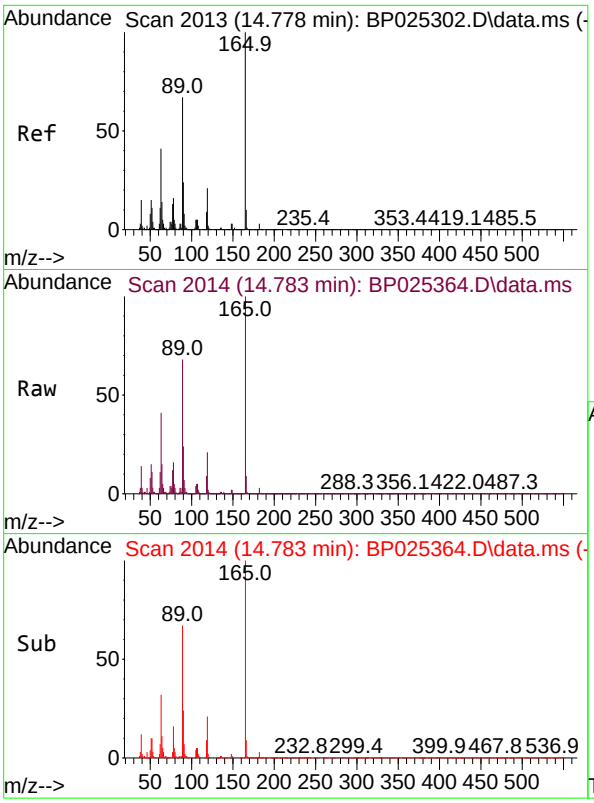


#56
4-Nitrophenol
Concen: 95.675 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:139 Resp: 671899

Ion	Ratio	Lower	Upper
139	100		
109	72.0	52.7	92.7
65	87.7	73.4	113.4

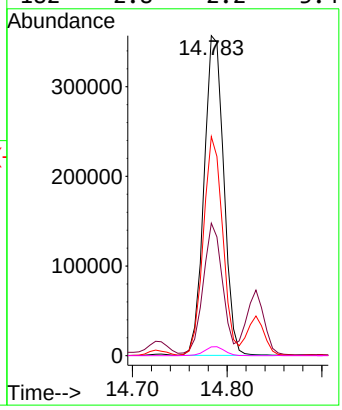




#57
2,4-Dinitrotoluene
Concen: 48.787 ng
RT: 14.783 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:165 Resp: 51489

Ion	Ratio	Lower	Upper
165	100		
63	41.4	33.2	49.8
89	68.4	53.5	80.3
182	2.8	2.2	3.4



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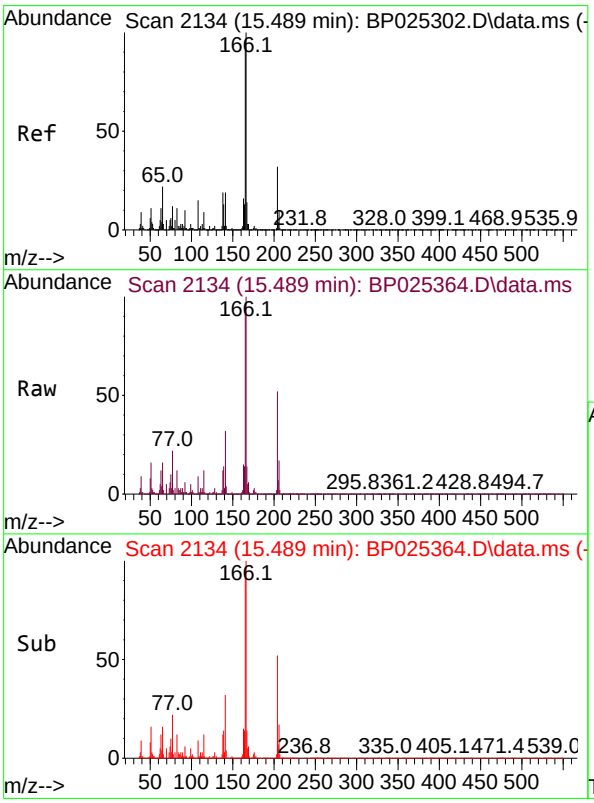
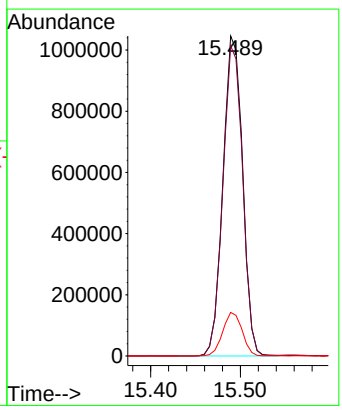
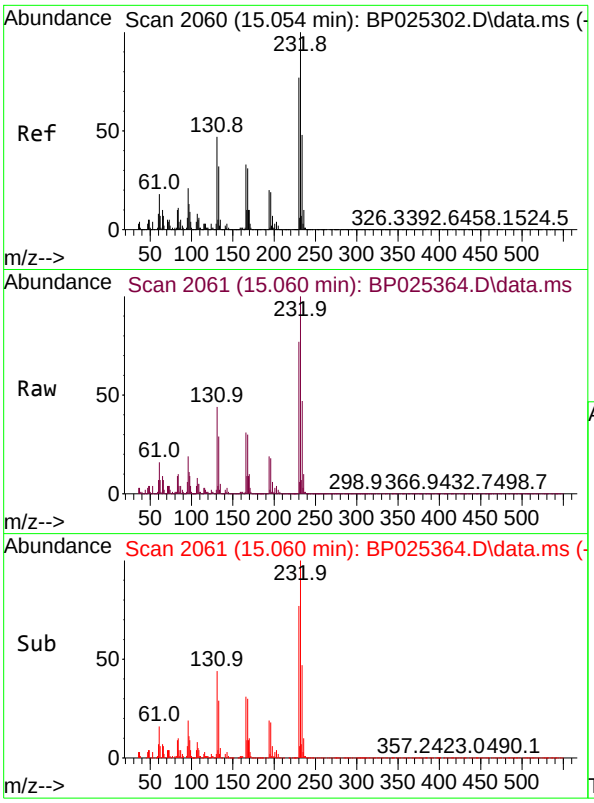


#58
Fluorene
Concen: 46.857 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:166 Resp: 1591049

Ion	Ratio	Lower	Upper
166	100		
165	96.9	76.7	115.1
167	13.6	10.9	16.3

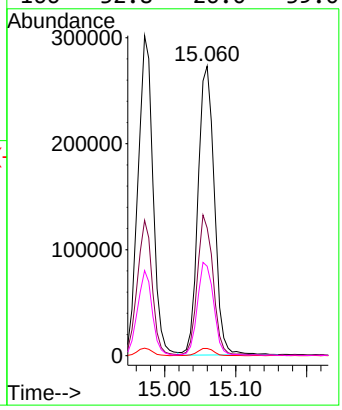




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.182 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:232 Resp: 43613

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.3	58.9
130	2.6	2.2	3.2
166	32.8	26.0	39.0



Instrument :
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ClientSampleId :
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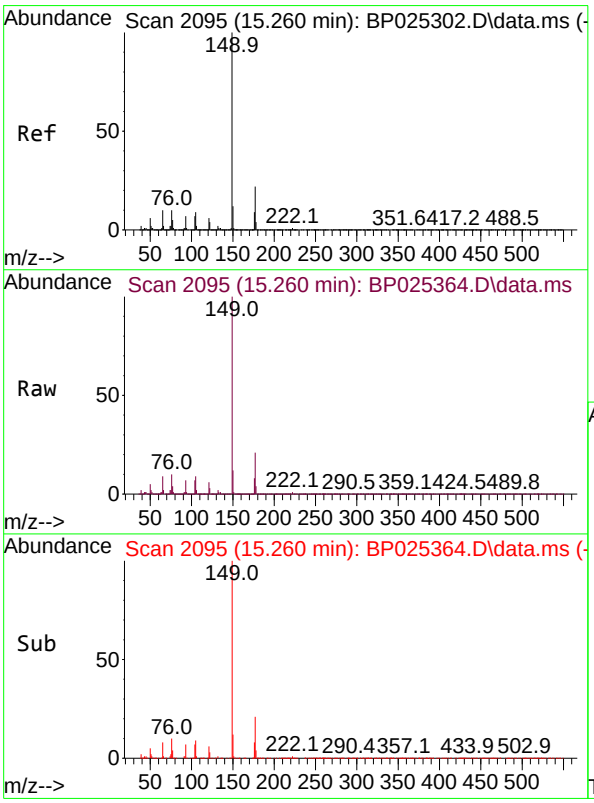
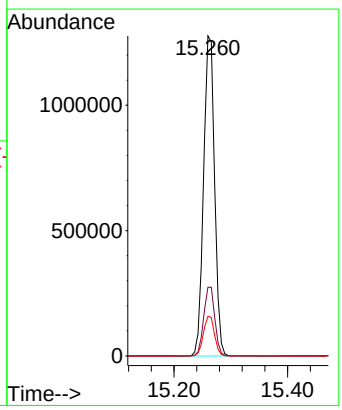
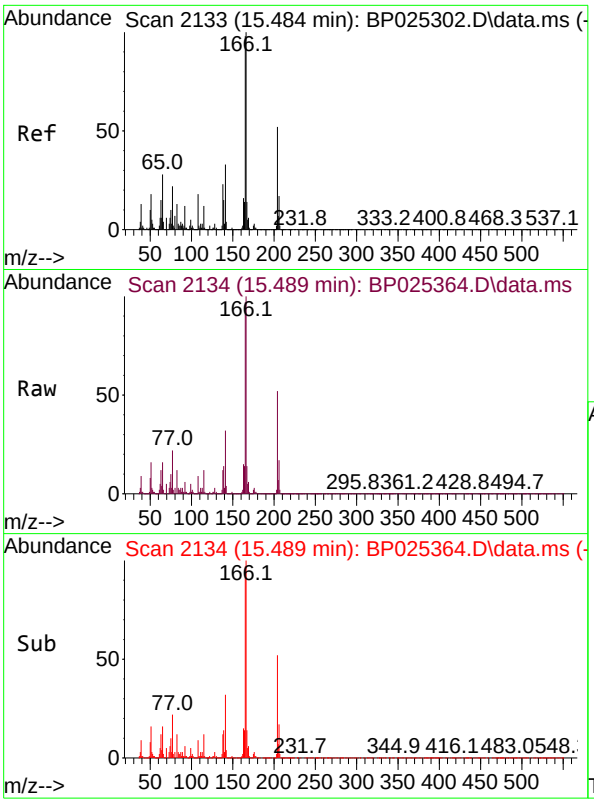


#60
Diethylphthalate
Concen: 46.053 ng
RT: 15.260 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:149 Resp: 1711712

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.4	9.8	14.8

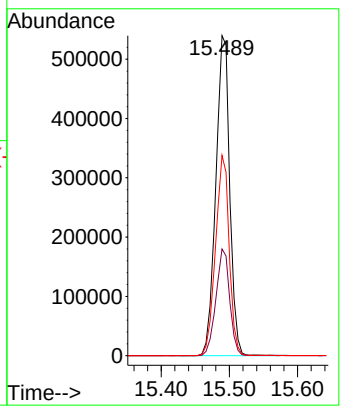




#61
4-Chlorophenyl-phenylether
Concen: 47.566 ng
RT: 15.489 min Scan# 21
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:204 Resp: 76569

Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.0	40.4
141	62.6	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
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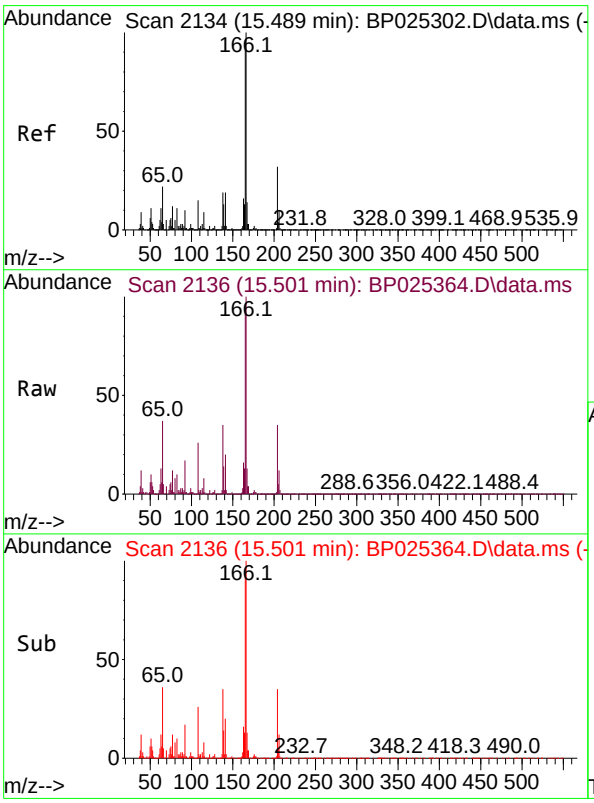
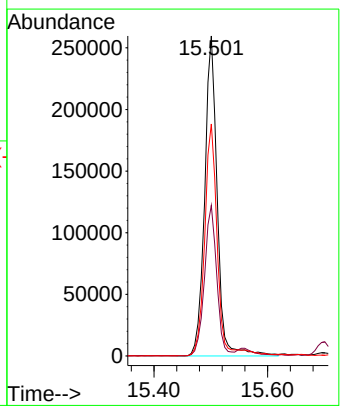
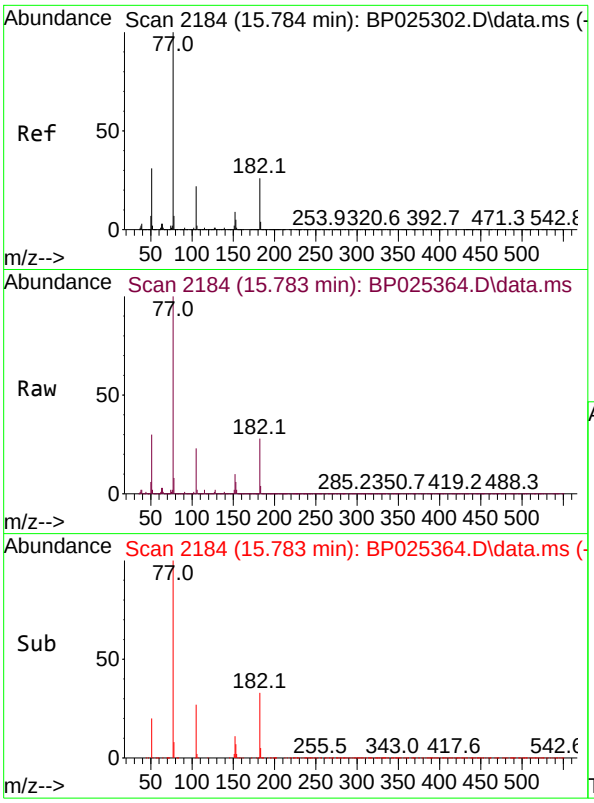


#62
4-Nitroaniline
Concen: 50.407 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:138 Resp: 397431

Ion	Ratio	Lower	Upper
138	100		
92	47.0	29.8	69.8
108	72.5	56.6	96.6

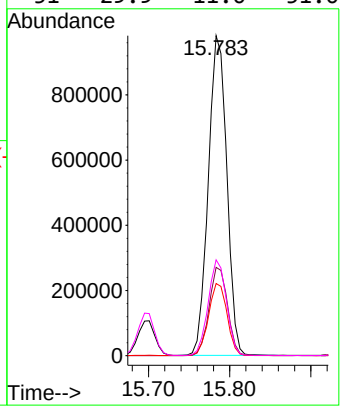




#63
Azobenzene
Concen: 44.998 ng
RT: 15.783 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion: 77 Resp: 155373

Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.0	46.0
105	22.6	2.1	42.1
51	29.9	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
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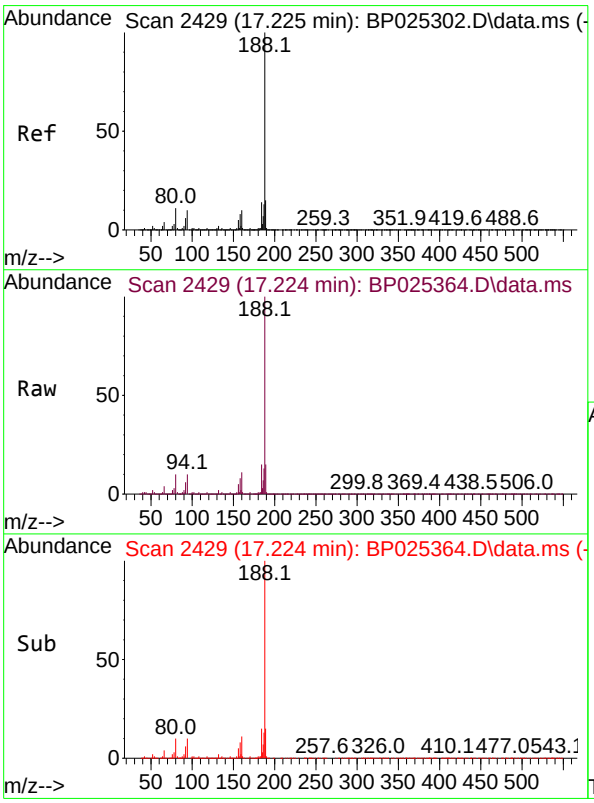
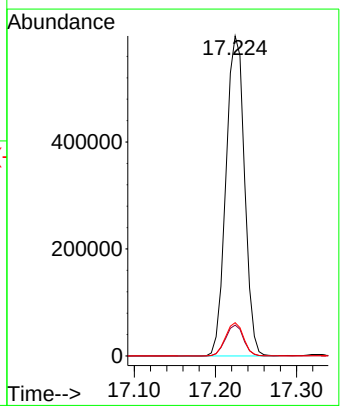
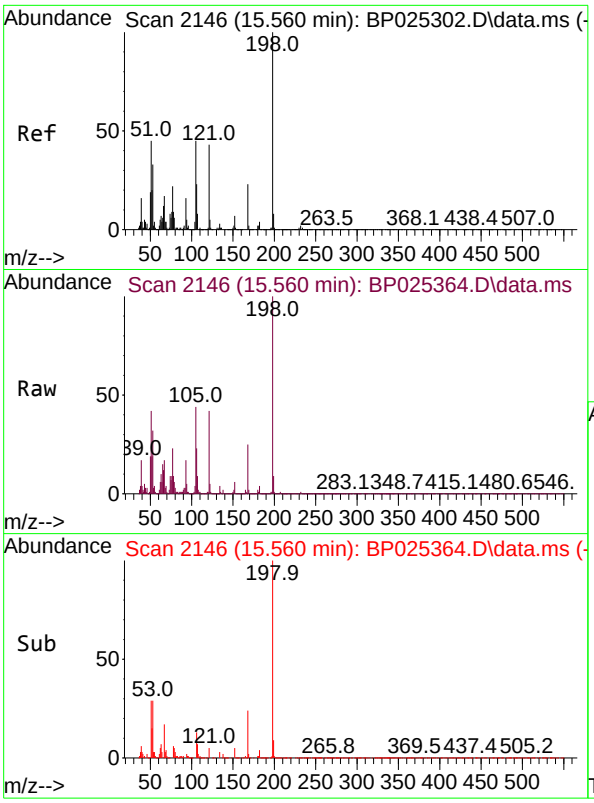


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:188 Resp: 949767

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.4	8.5	12.7

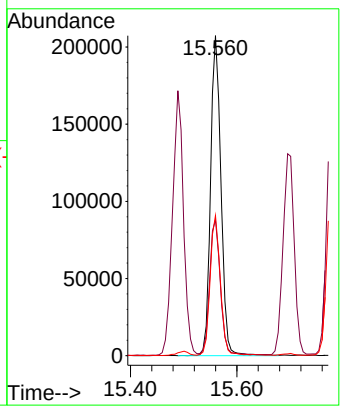




#65
4,6-Dinitro-2-methylphenol
Concen: 60.852 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:198 Resp: 28146

Ion	Ratio	Lower	Upper
198	100		
51	42.4	26.7	66.7
105	43.8	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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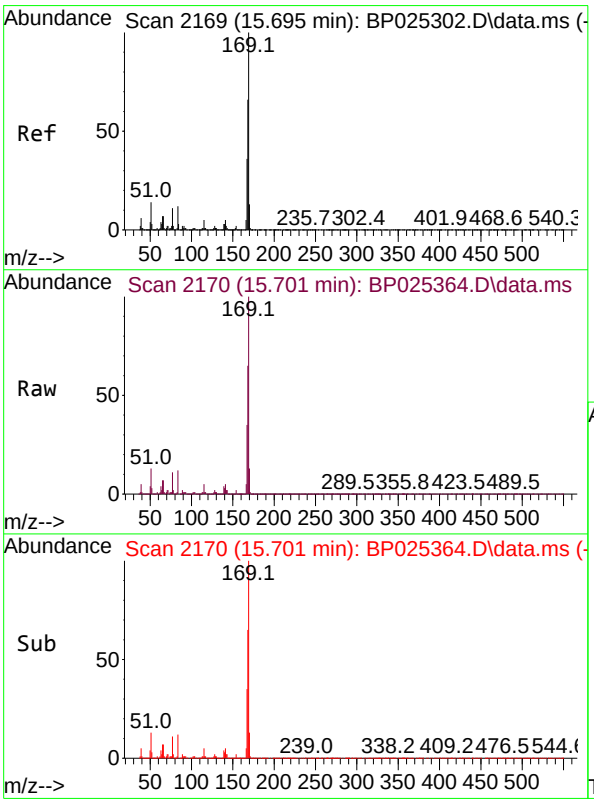
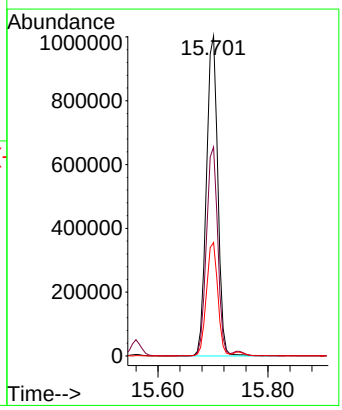
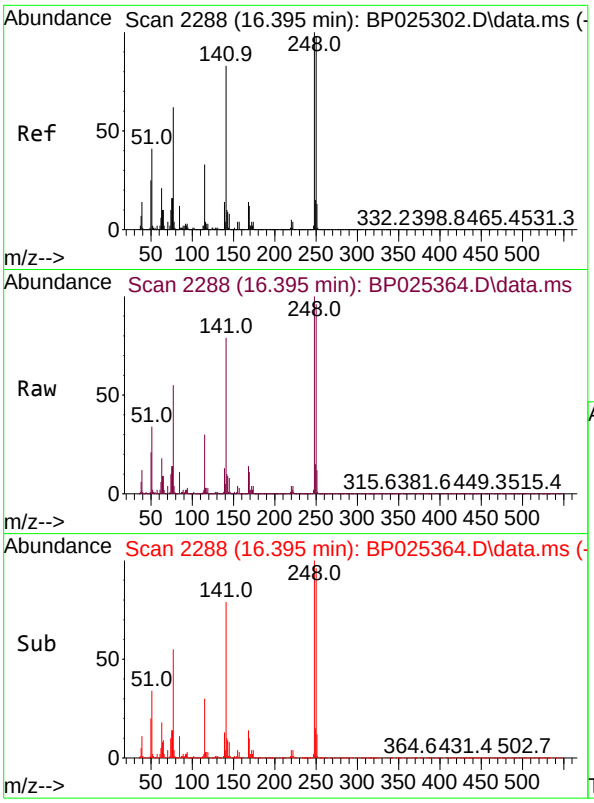


#66
n-Nitrosodiphenylamine
Concen: 49.692 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:169 Resp: 1437032

Ion	Ratio	Lower	Upper
169	100		
168	65.3	52.8	79.2
167	35.4	28.5	42.7

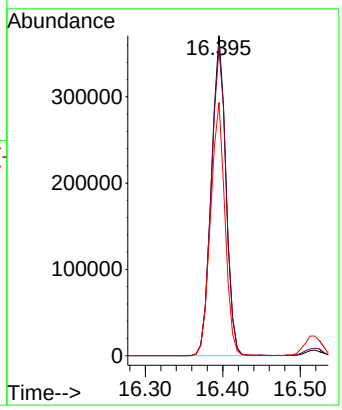




#67
4-Bromophenyl-phenylether
Concen: 50.620 ng
RT: 16.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:248 Resp: 48374

Ion	Ratio	Lower	Upper
248	100		
250	96.1	78.6	117.8
141	79.1	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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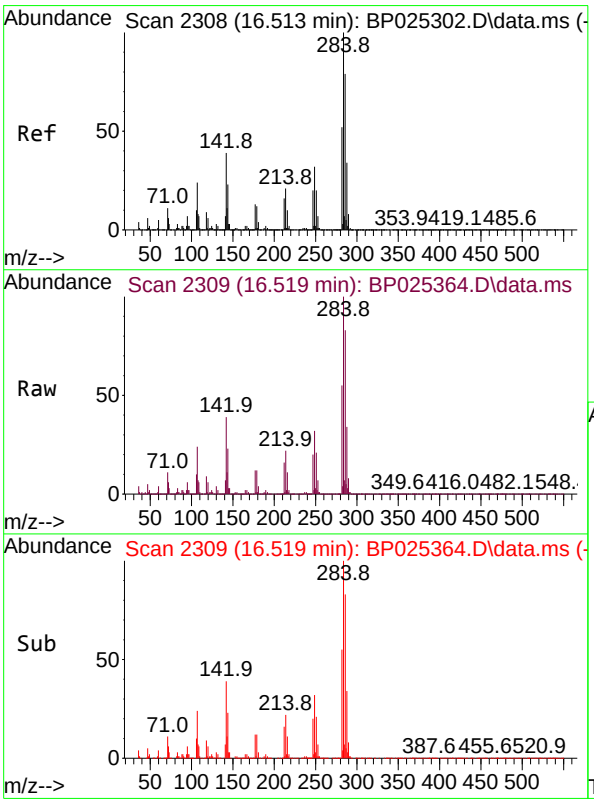
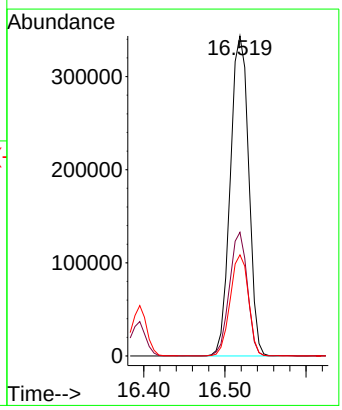
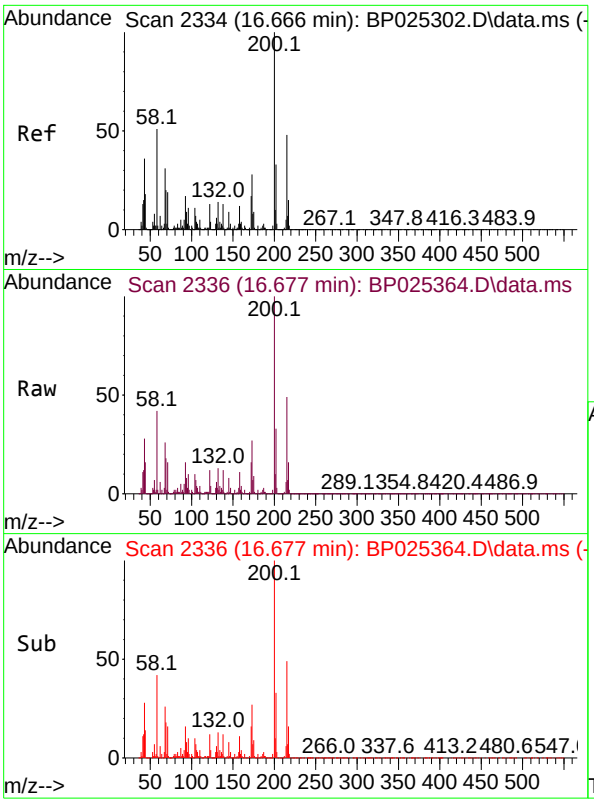


#68
Hexachlorobenzene
Concen: 50.378 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:284 Resp: 540187

Ion	Ratio	Lower	Upper
284	100		
142	38.6	30.8	46.2
249	31.6	25.4	38.0

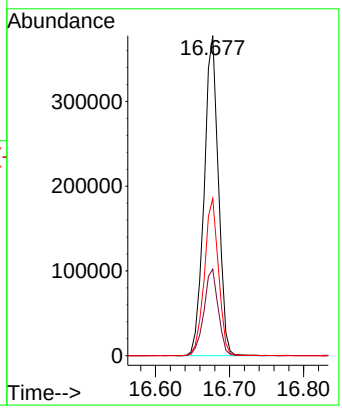




#69
Atrazine
Concen: 49.491 ng
RT: 16.677 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:200 Resp: 50331

Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.2	48.2
215	49.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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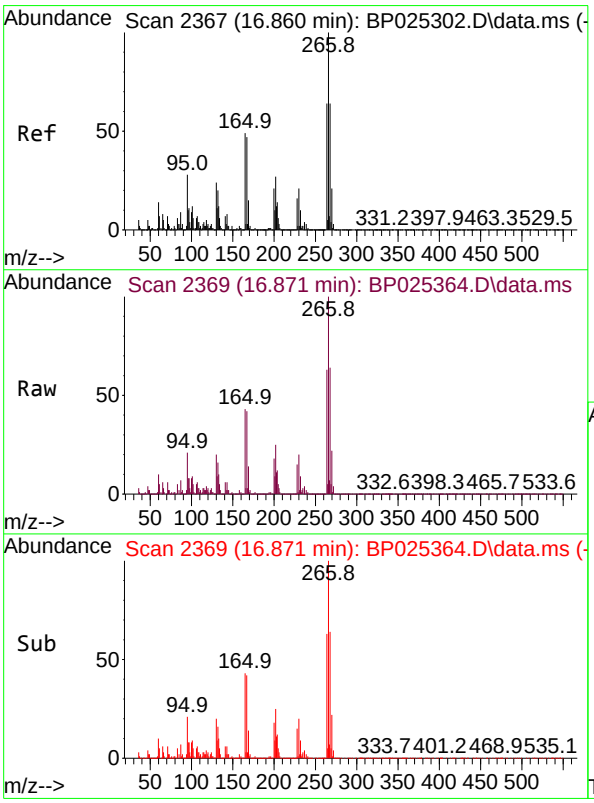
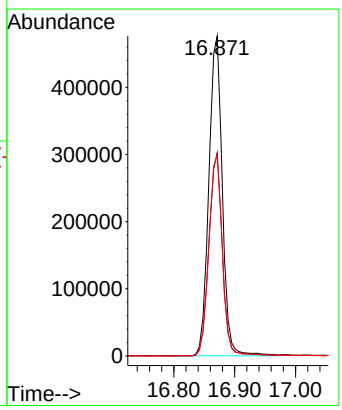
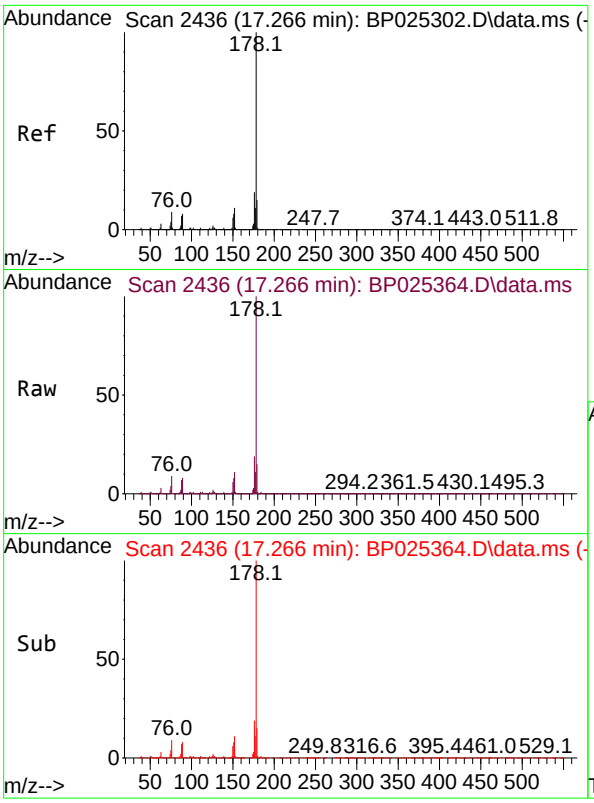


#70
Pentachlorophenol
Concen: 107.057 ng
RT: 16.871 min Scan# 2369
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:266 Resp: 731365

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.0
264	62.8	51.1	76.7

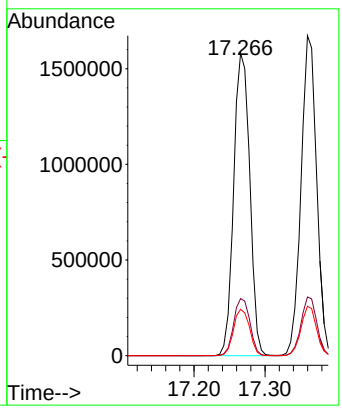




#71
Phenanthrene
Concen: 47.919 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:178 Resp: 249276

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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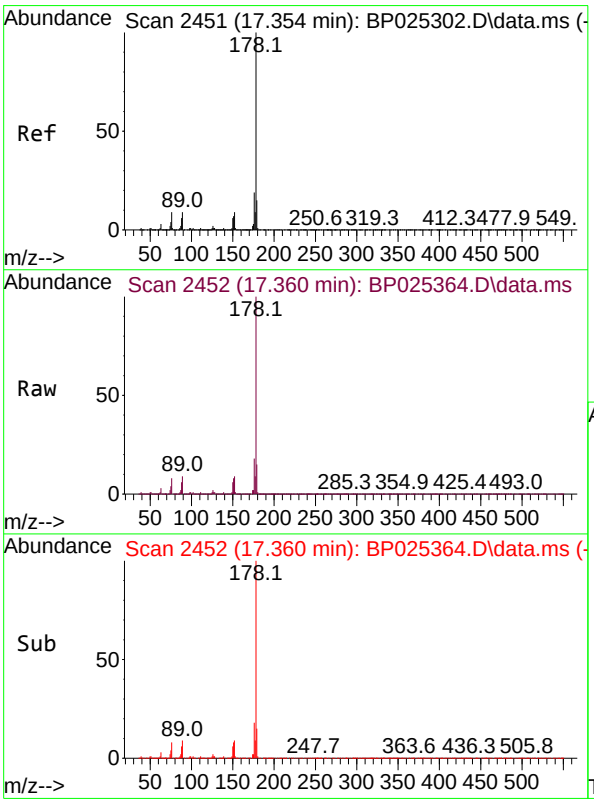
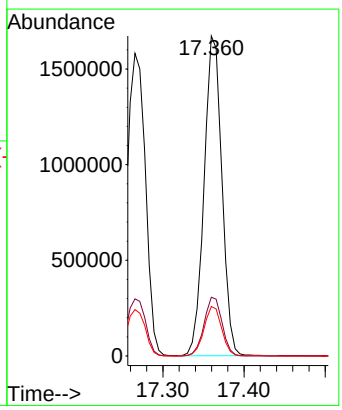
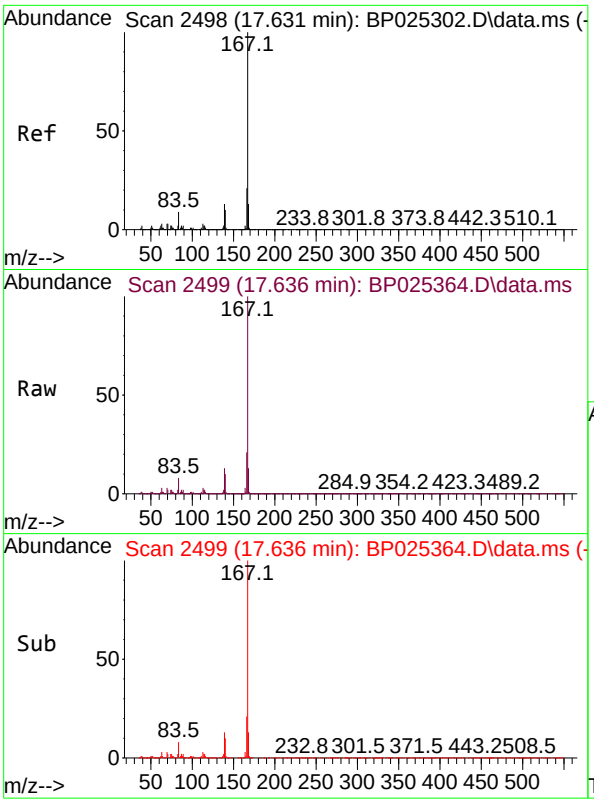


#72
Anthracene
Concen: 48.465 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:178 Resp: 2542052

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.5	12.3	18.5

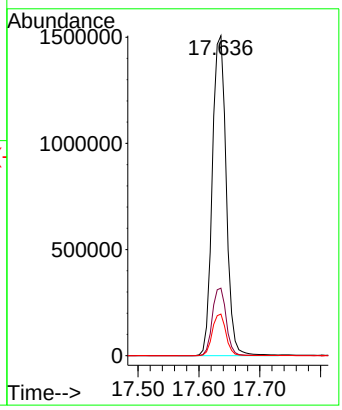




#73
Carbazole
Concen: 47.429 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:167 Resp: 238800

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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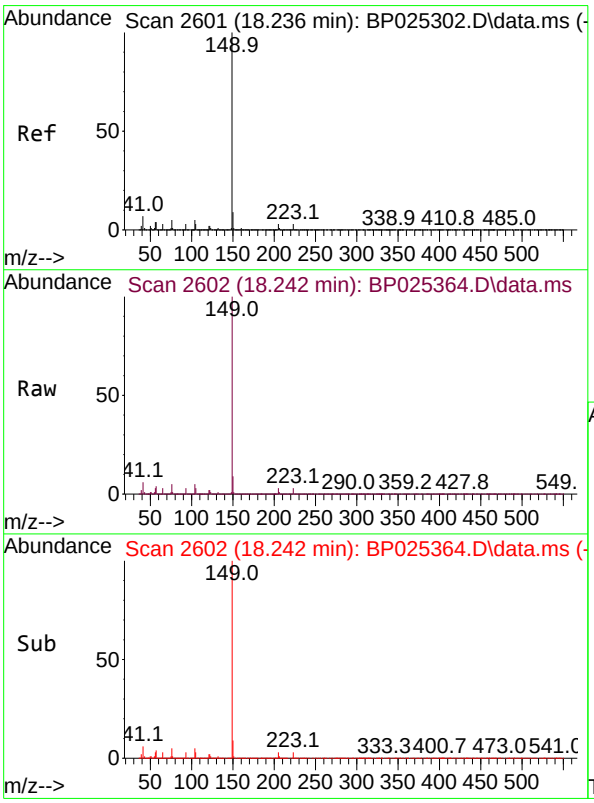
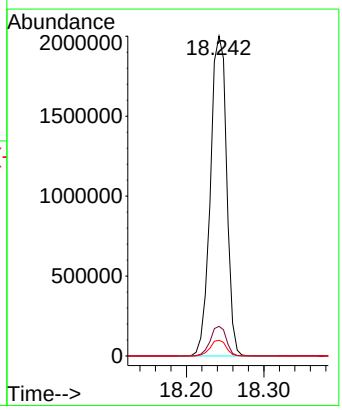
Supervised By :Jagrut Upadhyay 08/13/2025

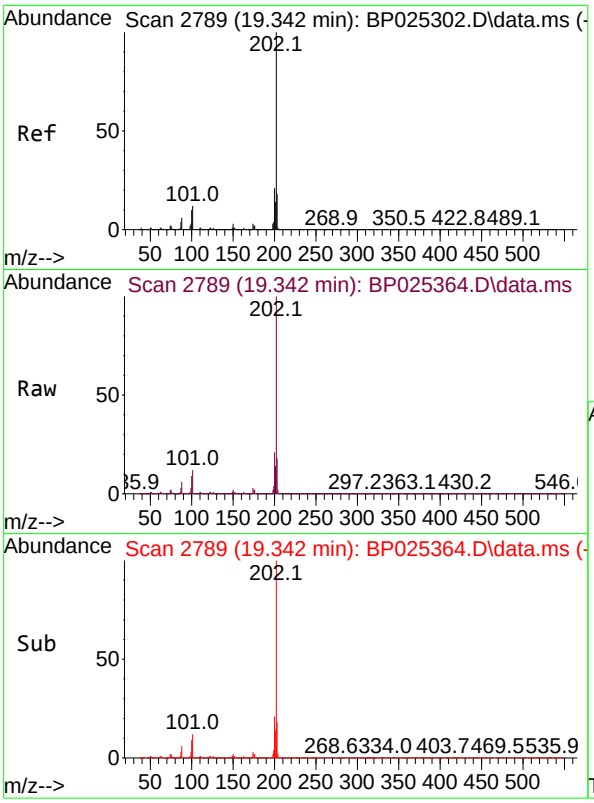


#74
Di-n-butylphthalate
Concen: 47.819 ng
RT: 18.242 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:149 Resp: 2912732

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1

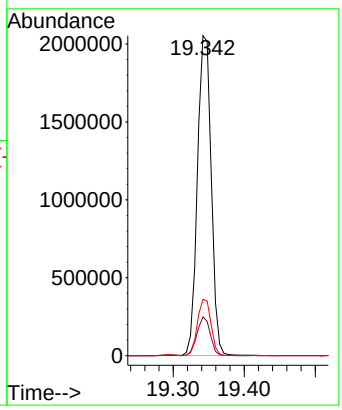




#75
Fluoranthene
Concen: 46.148 ng
RT: 19.342 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:202 Resp: 277903

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.5
203	17.6	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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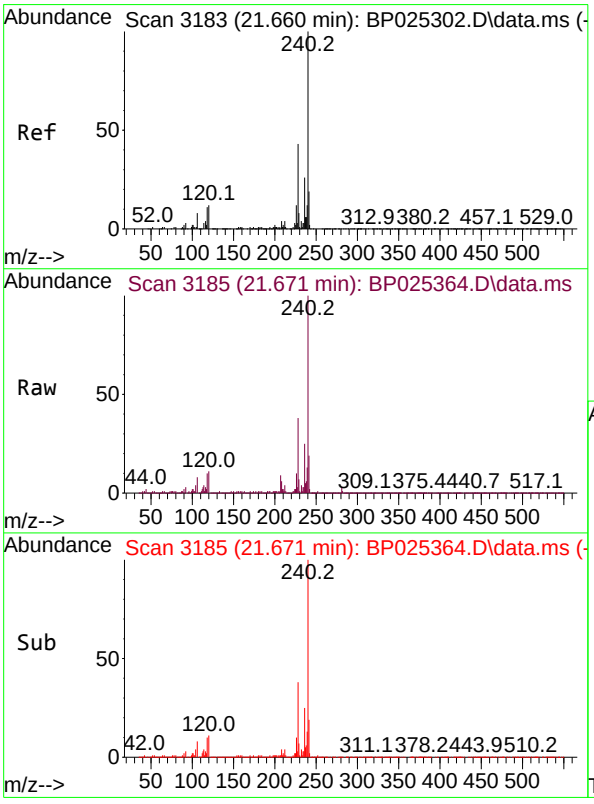
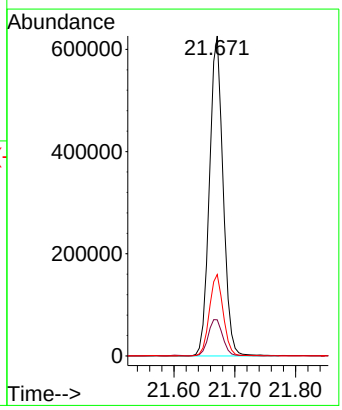
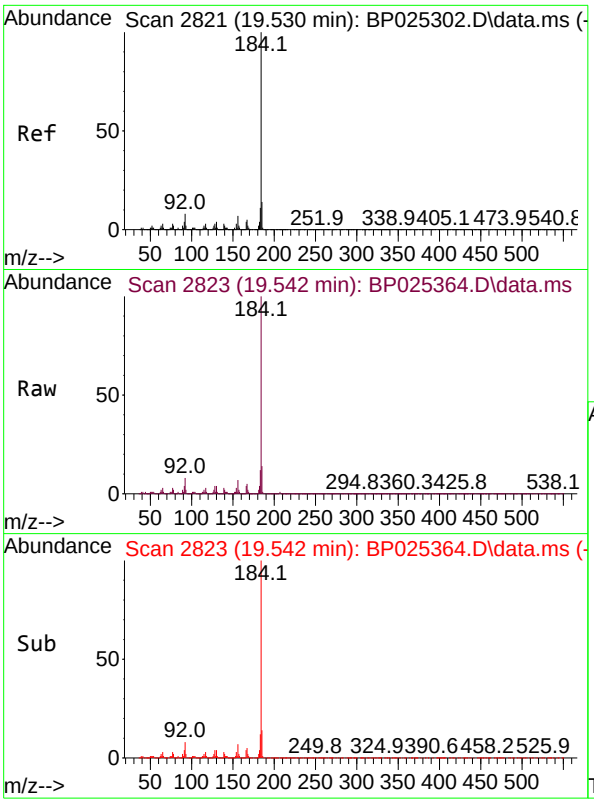


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.671 min Scan# 3185
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:240 Resp: 975809

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	25.5	20.4	30.6





#77
Benzidine
Concen: 43.471 ng
RT: 19.542 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Tgt Ion:184 Resp: 153535

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.5	9.2	13.8

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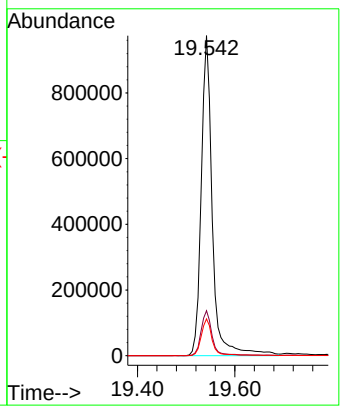
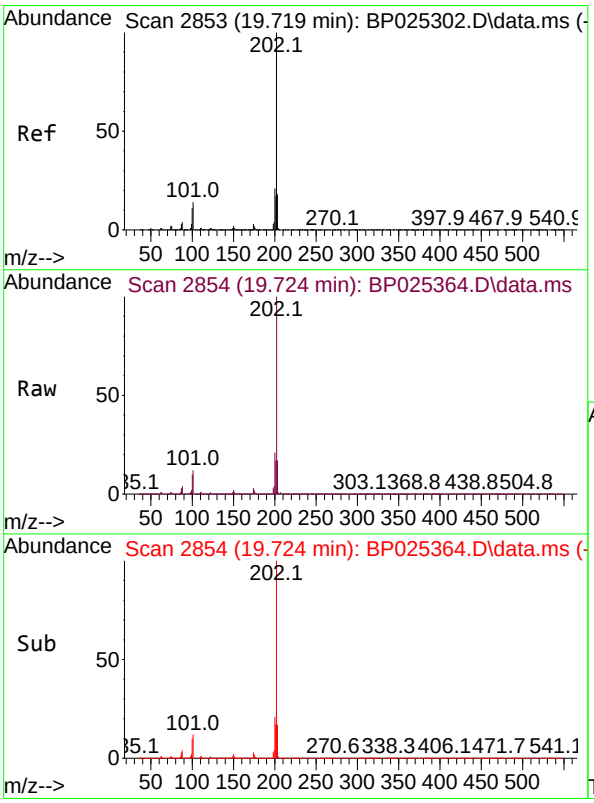
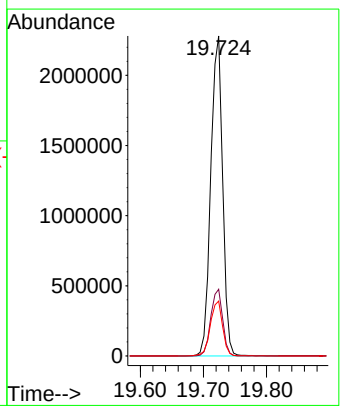


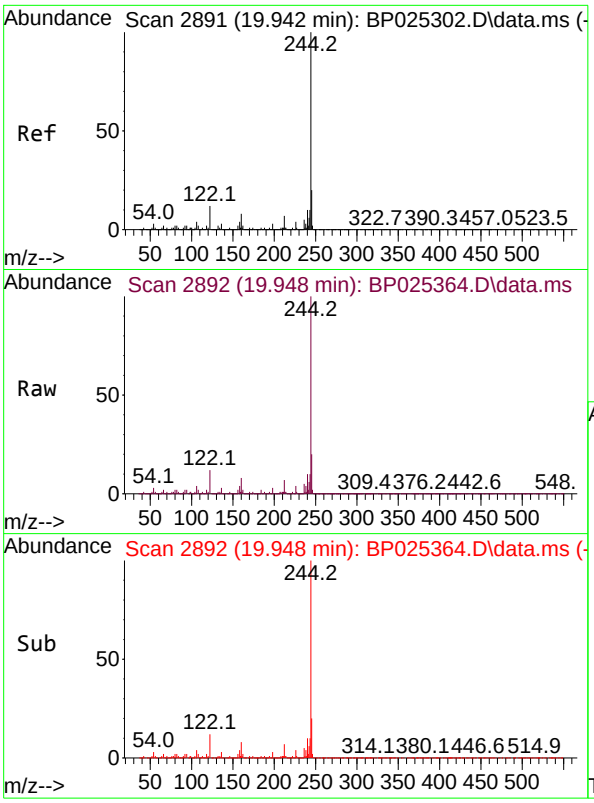


#78
Pyrene
Concen: 45.808 ng
RT: 19.724 min Scan# 2854
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:202 Resp: 2972439

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.2	14.1	21.1





#79
Terphenyl-d14
Concen: 80.434 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Tgt Ion:244 Resp: 415548

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.8	9.5	14.3

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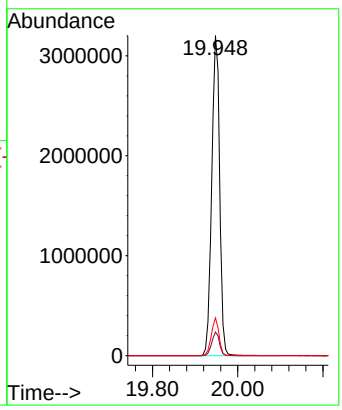
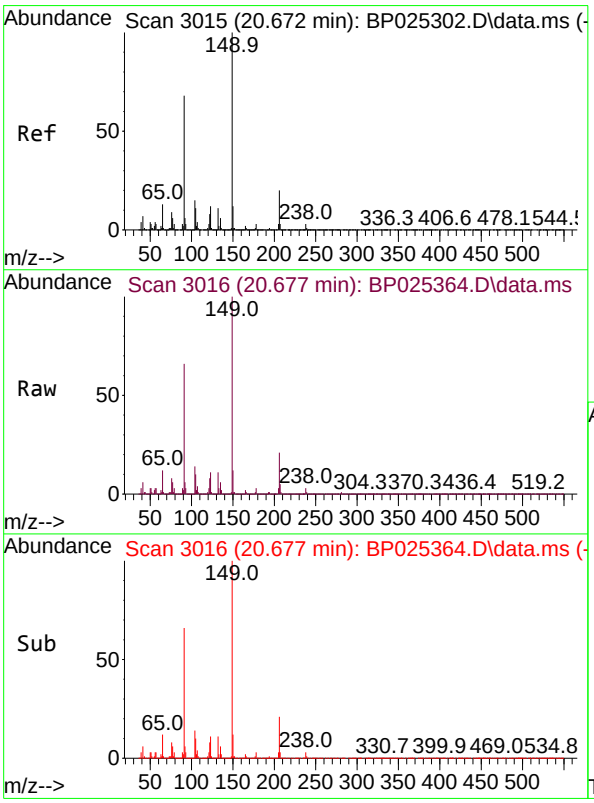
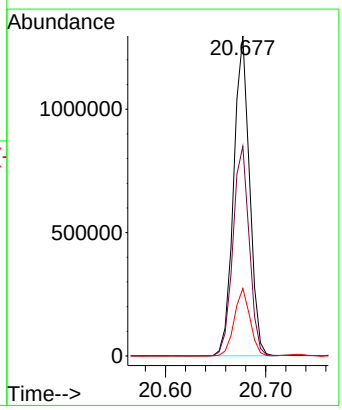


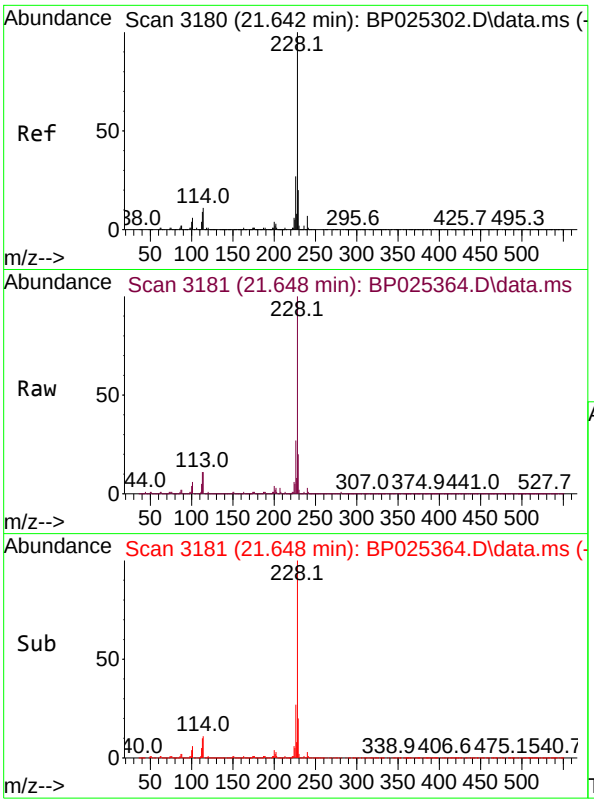


#80
Butylbenzylphthalate
Concen: 54.253 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:149 Resp: 1427772

Ion	Ratio	Lower	Upper
149	100		
91	65.6	54.7	82.1
206	21.1	16.4	24.6

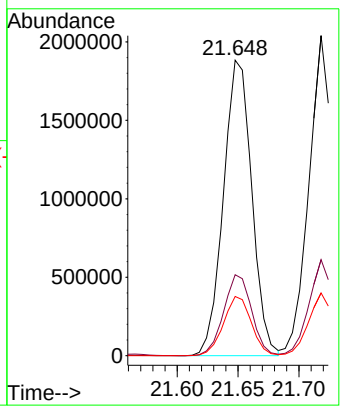




#81
Benzo(a)anthracene
Concen: 47.110 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:228 Resp: 305486

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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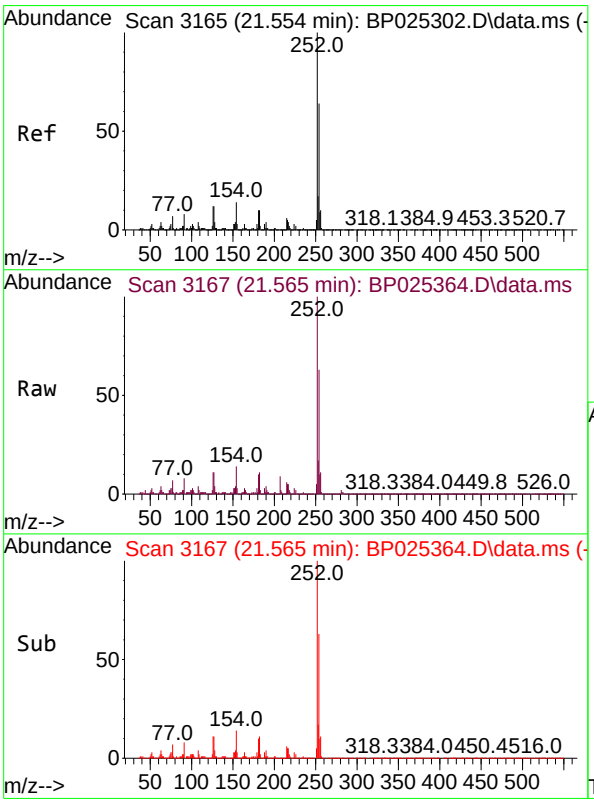
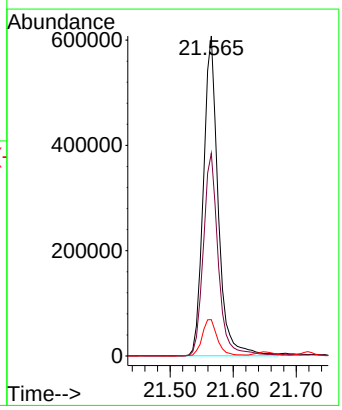
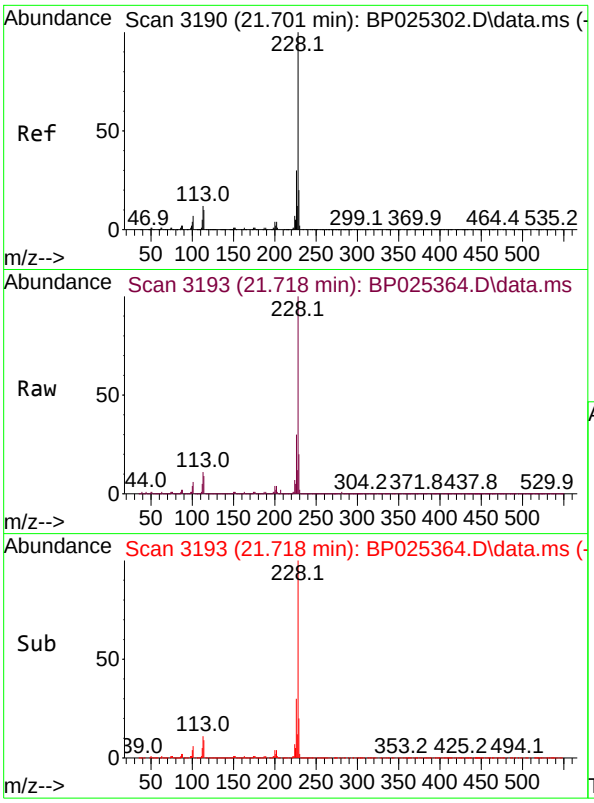


#82
3,3'-Dichlorobenzidine
Concen: 43.316 ng
RT: 21.565 min Scan# 3167
Delta R.T. 0.011 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:252 Resp: 991014

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.0	76.6
126	11.4	9.4	14.2





#83
Chrysene
Concen: 48.218 ng
RT: 21.718 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169180BS

Tgt Ion:228 Resp: 290003

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.6	15.9	23.9

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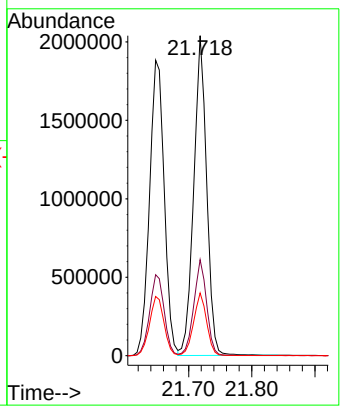
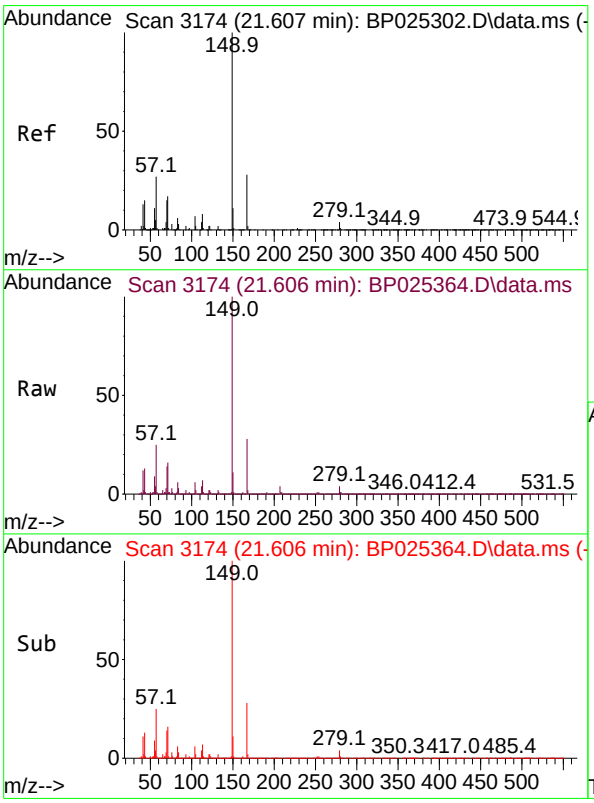
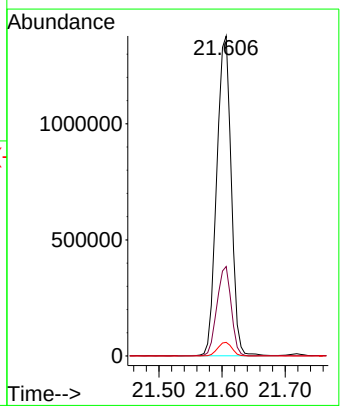


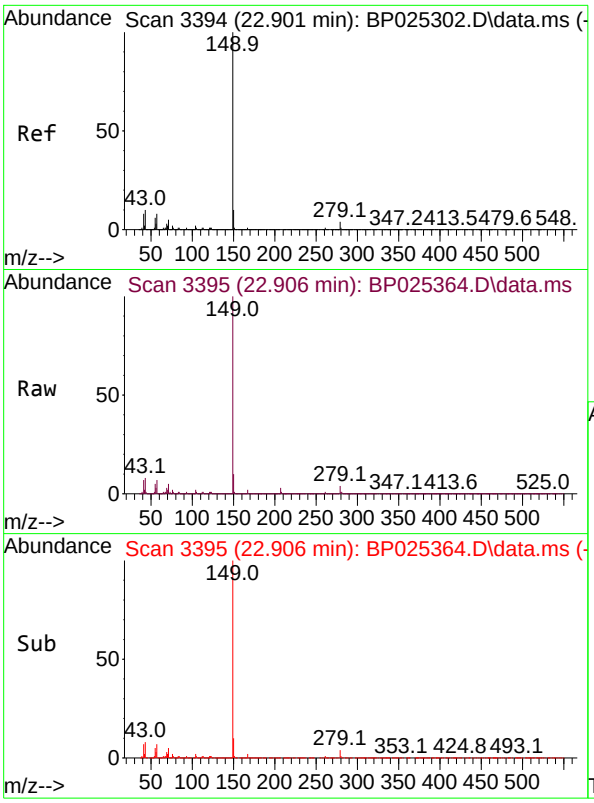


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.236 ng
RT: 21.606 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:149 Resp: 2195038

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.3	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 57.637 ng
RT: 22.906 min Scan# 3
Delta R.T. 0.005 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:149 Resp: 405403

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
PB169180BS

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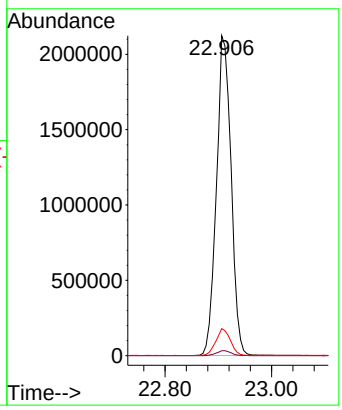
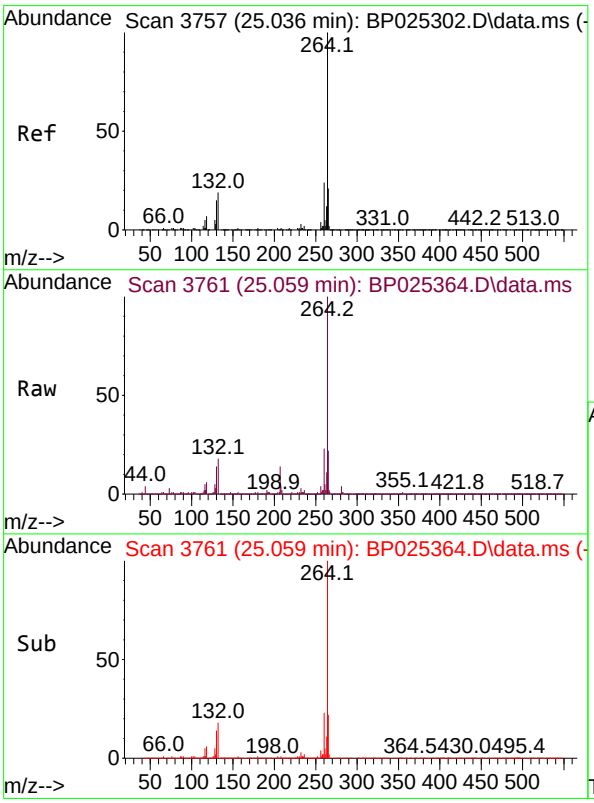
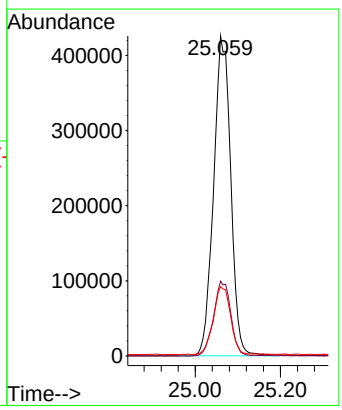


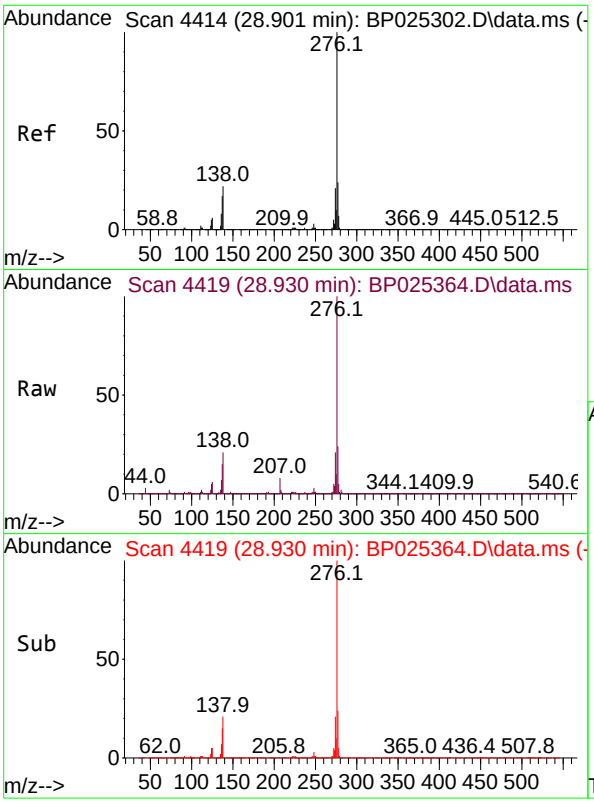


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.059 min Scan# 3761
Delta R.T. 0.023 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:264 Resp: 1187024

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	17.1	25.7

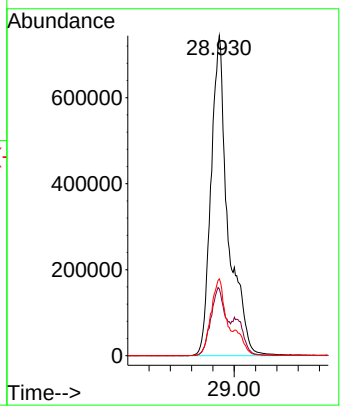




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.884 ng
RT: 28.930 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:276 Resp: 415907

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.6	22.0
277	20.8	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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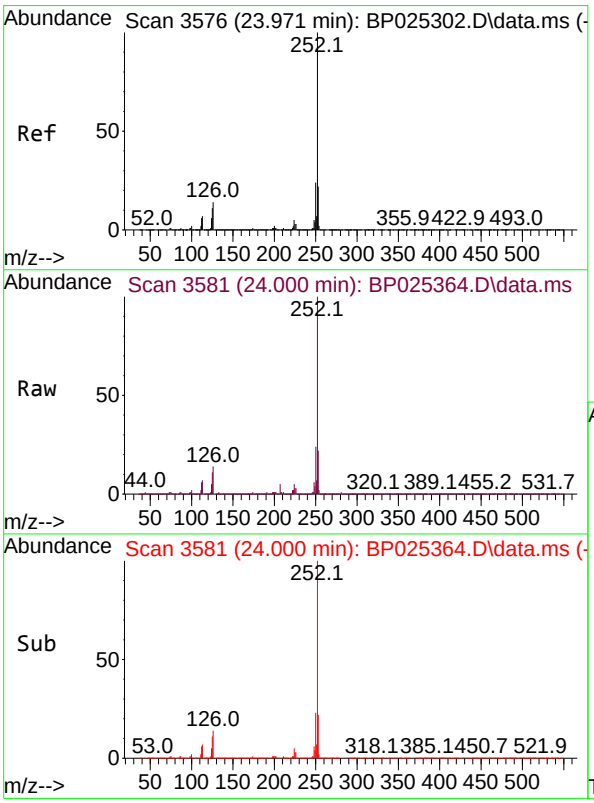
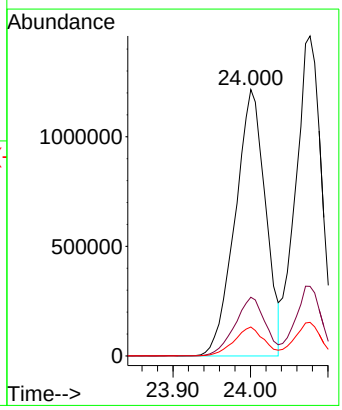
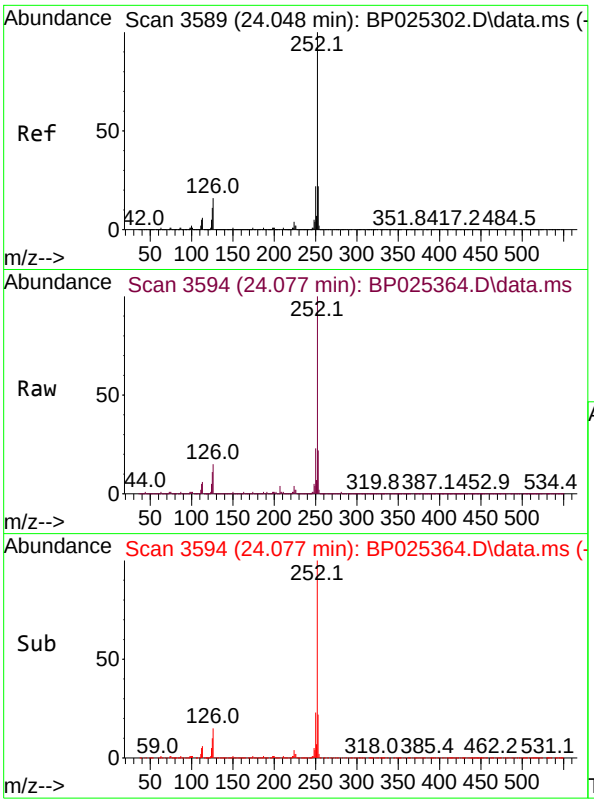


#88
Benzo(b)fluoranthene
Concen: 46.512 ng
RT: 24.000 min Scan# 3581
Delta R.T. 0.029 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:252 Resp: 3305010

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.9	8.5	12.7

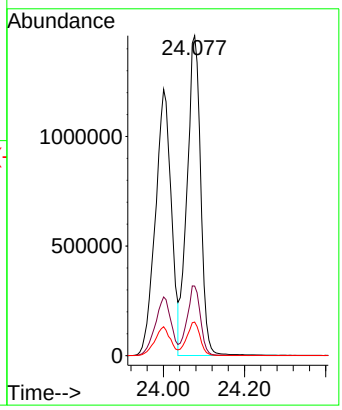




#89
Benzo(k)fluoranthene
Concen: 48.250 ng
RT: 24.077 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:252 Resp: 339877

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.5	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
PB169180BS

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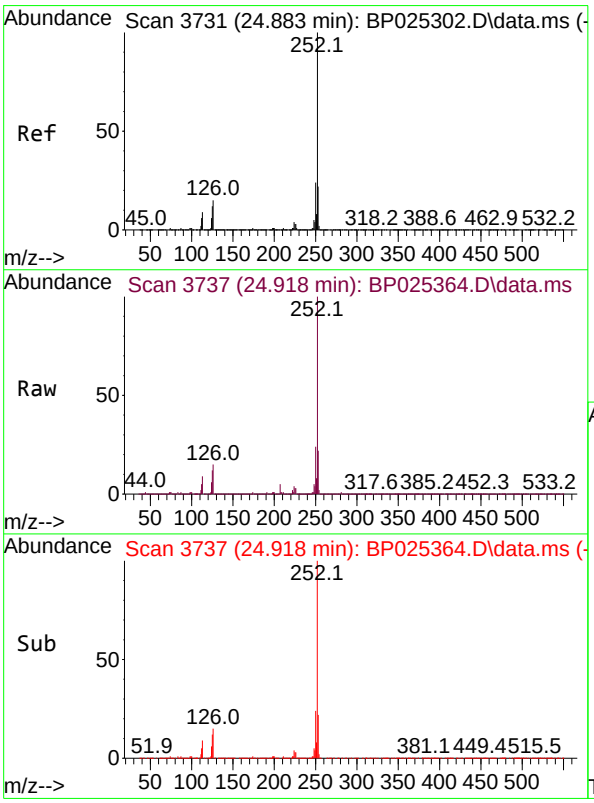
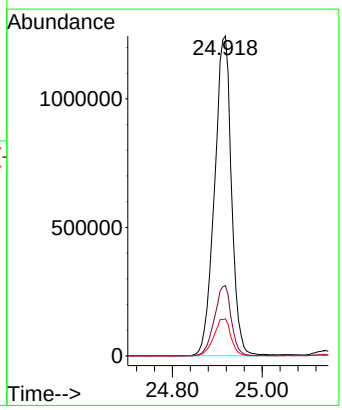
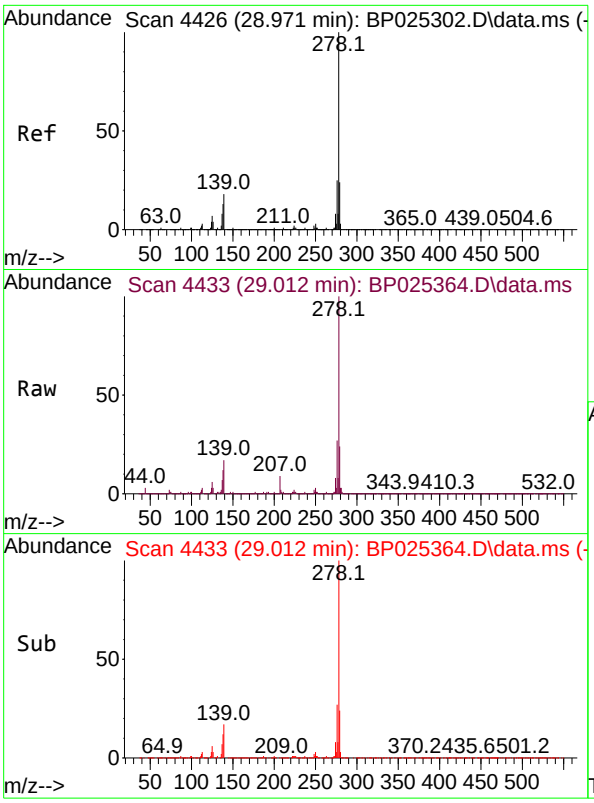


#90
Benzo(a)pyrene
Concen: 47.713 ng
RT: 24.918 min Scan# 3737
Delta R.T. 0.035 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:252 Resp: 3264966

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.6	9.4	14.0

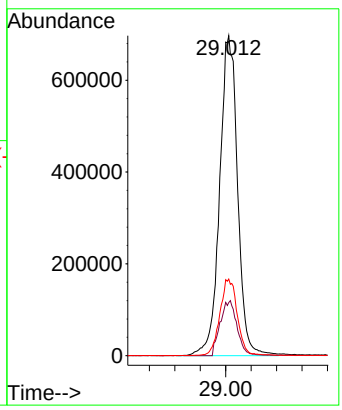




#91
Dibenzo(a,h)anthracene
Concen: 48.866 ng
RT: 29.012 min Scan# 44
Delta R.T. 0.041 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:278 Resp: 340500

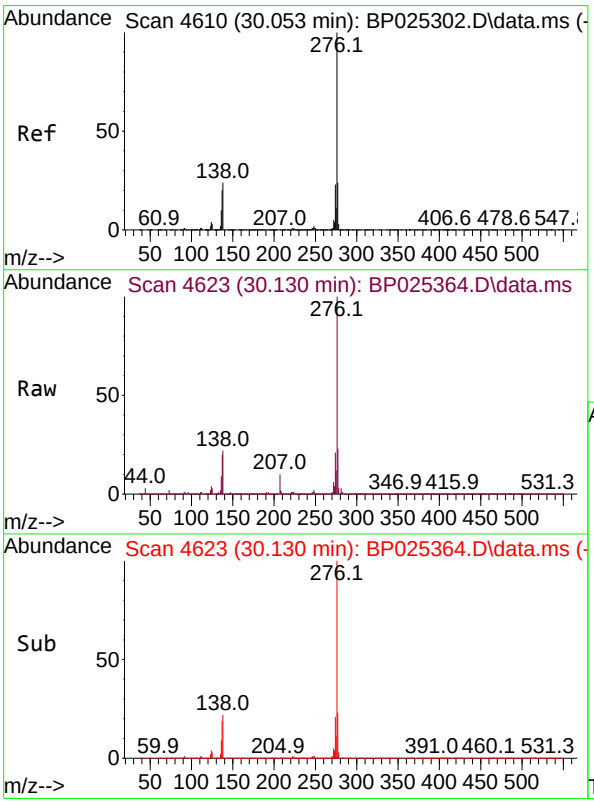
Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.6	22.0
279	24.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
PB169180BS

Manual Integrations
APPROVED

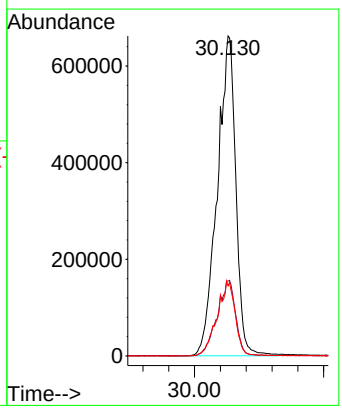
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 48.498 ng
RT: 30.130 min Scan# 4623
Delta R.T. 0.077 min
Lab File: BP025364.D
Acq: 12 Aug 2025 12:54

Tgt Ion:276 Resp: 3316590

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	21.9	19.1	28.7



Raw Data: **BP025347.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	08/06/25
Project:	Monthly 2025	Date Received:	08/06/25
Client Sample ID:	TP-4MS	SDG No.:	Q2791
Lab Sample ID:	Q2779-04MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025347.D	1	08/08/25 11:12	08/11/25 13:59	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	340		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		5.30	50.0	ug/L
95-48-7	2-Methylphenol	370		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	360		11.0	100	ug/L
67-72-1	Hexachloroethane	420		6.50	50.0	ug/L
98-95-3	Nitrobenzene	440		7.60	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	490		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	113		23 - 138	76%	SPK: 150
13127-88-3	Phenol-d6	96.1		10 - 134	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.2		67 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.2		52 - 132	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		44 - 137	97%	SPK: 150
1718-51-0	Terphenyl-d14	78.3		42 - 152	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	215000	7.802			
1146-65-2	Naphthalene-d8	827000	10.572			
15067-26-2	Acenaphthene-d10	489000	14.419			
1517-22-2	Phenanthrene-d10	963000	17.219			
1719-03-5	Chrysene-d12	1030000	21.672			
1520-96-3	Perylene-d12	1200000	25.054			

Raw Data: **BP025347.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	08/06/25
Project:	Monthly 2025			Date Received:	08/06/25
Client Sample ID:	TP-4MS			SDG No.:	Q2791
Lab Sample ID:	Q2779-04MS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025347.D	1	08/08/25 11:12	08/11/25 13:59	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025347.D
Acq On : 11 Aug 2025 13:59
Operator : CG/JU
Sample : Q2779-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 14:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	215026	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	827224	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	489140	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	963190	20.000	ng		0.00
76) Chrysene-d12	21.672	240	1028742	20.000	ng		0.01
86) Perylene-d12	25.054	264	1199045	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1516463	113.429	ng		0.00
7) Phenol-d6	6.966	99	1691568	96.140	ng		0.00
23) Nitrobenzene-d5	8.937	82	1257842	84.241	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	709898	145.479	ng		0.01
45) 2-Fluorobiphenyl	13.031	172	2804854	79.202	ng		0.00
79) Terphenyl-d14	19.942	244	4267258	78.347	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.343	88	207864	39.399	ng	#	56
3) Pyridine	3.737	79	503972	34.382	ng		95
4) n-Nitrosodimethylamine	3.637	42	240982	35.412	ng		91
6) Aniline	7.131	93	494125	20.458	ng		97
8) 2-Chlorophenol	7.366	128	606825	41.467	ng		98
9) Benzaldehyde	6.943	77	239702m	19.181	ng		
10) Phenol	6.990	94	634652	33.712	ng		98
11) bis(2-Chloroethyl)ether	7.225	93	565655	38.348	ng		97
12) 1,3-Dichlorobenzene	7.690	146	671423	40.833	ng		99
13) 1,4-Dichlorobenzene	7.837	146	679324	40.835	ng		99
14) 1,2-Dichlorobenzene	8.149	146	649837	40.324	ng		99
15) Benzyl Alcohol	8.031	79	499989	36.660	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.319	45	779898	33.470	ng		97
17) 2-Methylphenol	8.231	107	471456	37.426	ng		98
18) Hexachloroethane	8.872	117	249678	41.968	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	417733	36.135	ng		95
20) 3+4-Methylphenols	8.549	107	626961	36.144	ng		98
22) Acetophenone	8.607	105	868680	41.831	ng	#	96
24) Nitrobenzene	8.978	77	619446	43.825	ng		96
25) Isophorone	9.502	82	1182137	39.773	ng		99
26) 2-Nitrophenol	9.684	139	313121	50.639	ng		97
27) 2,4-Dimethylphenol	9.749	122	554584	40.472	ng		99
28) bis(2-Chloroethoxy)met...	9.978	93	742799	41.082	ng		99
29) 2,4-Dichlorophenol	10.219	162	531419	44.297	ng		97
30) 1,2,4-Trichlorobenzene	10.437	180	585403	44.230	ng		99
31) Naphthalene	10.625	128	1828824	42.587	ng		99
32) Benzoic acid	9.854	122	377146	48.174	ng		98
33) 4-Chloroaniline	10.719	127	185621	9.719	ng		99
34) Hexachlorobutadiene	10.913	225	337134	44.374	ng		99
35) Caprolactam	11.490	113	163034	35.031	ng		92
36) 4-Chloro-3-methylphenol	11.843	107	570678	41.111	ng		98
37) 2-Methylnaphthalene	12.231	142	1149468	41.355	ng		98
38) 1-Methylnaphthalene	12.454	142	1199034	41.343	ng		99
40) 1,2,4,5-Tetrachloroben...	12.601	216	612780	45.887	ng		99
41) Hexachlorocyclopentadiene	12.584	237	722825	87.699	ng		99
43) 2,4,6-Trichlorophenol	12.837	196	421310	48.838	ng		98

Sample Results: **BP025347.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025347.D
Acq On : 11 Aug 2025 13:59
Operator : CG/JU
Sample : Q2779-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 14:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.907	196	456875	47.211	ng		99
46) 1,1'-Biphenyl	13.243	154	1616143	44.834	ng		99
47) 2-Chloronaphthalene	13.284	162	1249184	45.423	ng		99
48) 2-Nitroaniline	13.478	65	359356	44.817	ng		97
49) Acenaphthylene	14.143	152	2074160	45.215	ng		100
50) Dimethylphthalate	13.872	163	1596246	44.766	ng		99
51) 2,6-Dinitrotoluene	13.978	165	337273	51.279	ng		89
52) Acenaphthene	14.484	154	1402509	50.123	ng		100
53) 3-Nitroaniline	14.307	138	152456	19.809	ng		95
54) 2,4-Dinitrophenol	14.525	184	360563	90.781	ng	#	47
55) Dibenzofuran	14.825	168	1866777	44.644	ng		100
56) 4-Nitrophenol	14.619	139	572659	84.309	ng		93
57) 2,4-Dinitrotoluene	14.778	165	486643	47.748	ng		94
58) Fluorene	15.484	166	1484036	45.188	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.048	232	399977	49.479	ng		98
60) Diethylphthalate	15.260	149	1613945	44.895	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	711242	45.682	ng		98
62) 4-Nitroaniline	15.484	138	353901	46.408	ng		92
63) Azobenzene	15.778	77	1427417	42.741	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	258567	56.726	ng		91
66) n-Nitrosodiphenylamine	15.695	169	1302721	44.420	ng		100
67) 4-Bromophenyl-phenylether	16.395	248	440263	45.428	ng		96
68) Hexachlorobenzene	16.507	284	499860	45.967	ng		99
69) Atrazine	16.678	200	493738	47.872	ng		98
70) Pentachlorophenol	16.860	266	724213	104.533	ng		100
71) Phenanthrene	17.266	178	2411485	45.711	ng		100
72) Anthracene	17.360	178	2421360	45.520	ng		100
73) Carbazole	17.631	167	2358026	46.181	ng		99
74) Di-n-butylphthalate	18.236	149	2962245	47.954	ng		99
75) Fluoranthene	19.354	202	2850542	46.676	ng		99
77) Benzidine	19.536	184	707069	18.989	ng		99
78) Pyrene	19.730	202	2973995	43.474	ng		99
80) Butylbenzylphthalate	20.677	149	1428226	51.478	ng		99
81) Benzo(a)anthracene	21.648	228	3062996	44.805	ng		99
82) 3,3'-Dichlorobenzidine	21.566	252	718263	29.779	ng		99
83) Chrysene	21.719	228	2870570	45.272	ng		100
84) Bis(2-ethylhexyl)phtha...	21.607	149	2140669	48.321	ng		99
85) Di-n-octyl phthalate	22.907	149	3767561	50.808	ng		97
87) Indeno(1,2,3-cd)pyrene	28.930	276	4107306m	47.791	ng		
88) Benzo(b)fluoranthene	23.977	252	3205754	44.663	ng		99
89) Benzo(k)fluoranthene	24.048	252	3179723	44.688	ng		100
90) Benzo(a)pyrene	24.883	252	3153593	45.623	ng		100
91) Dibenzo(a,h)anthracene	29.006	278	3364601	47.802	ng		99
92) Benzo(g,h,i)perylene	30.124	276	3321083	48.076	ng		97

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

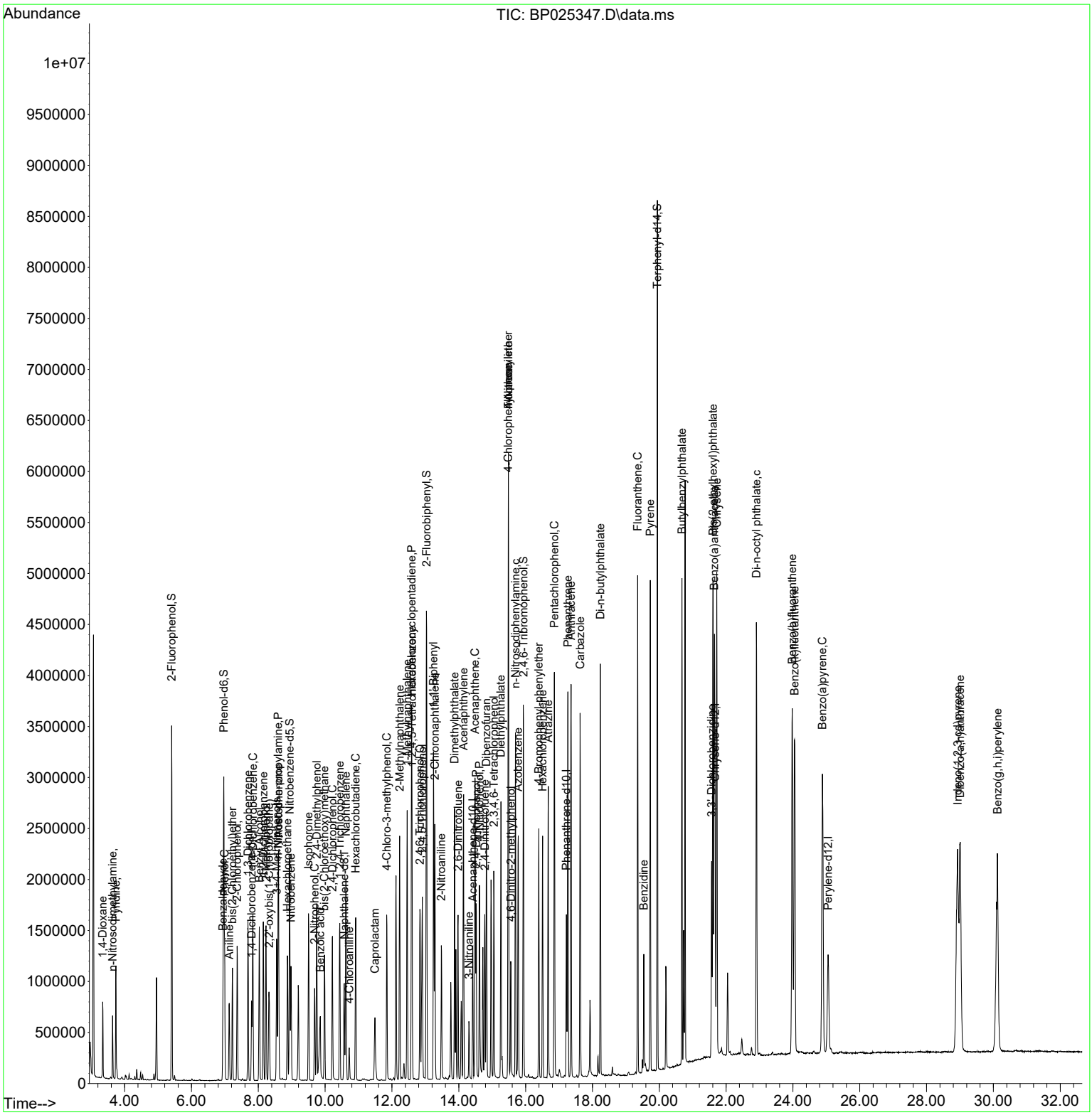
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025347.D
Acq On : 11 Aug 2025 13:59
Operator : CG/JU
Sample : Q2779-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

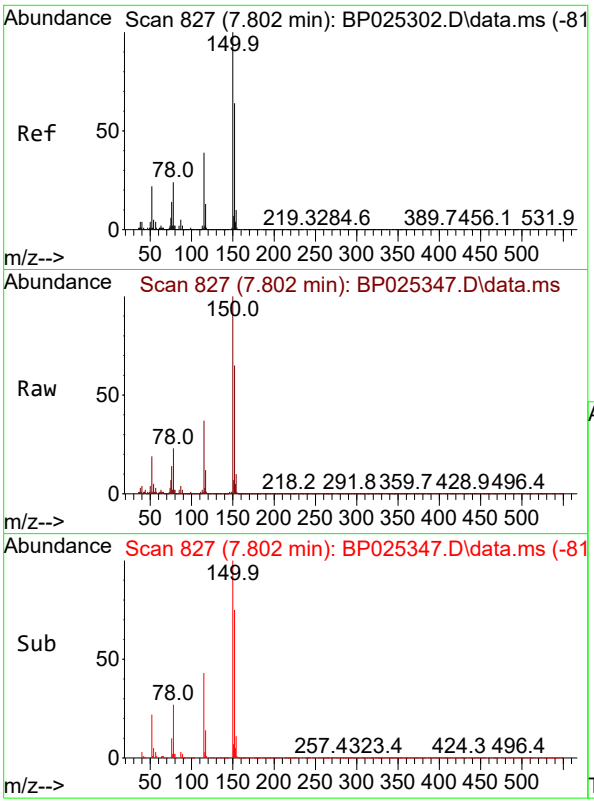
Quant Time: Aug 11 14:21:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

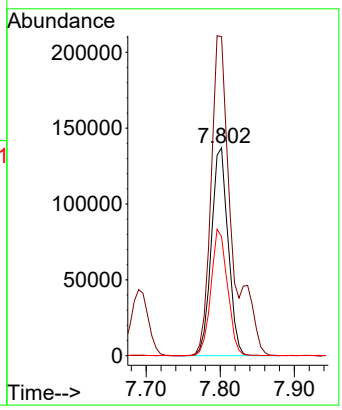




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:152 Resp: 21502

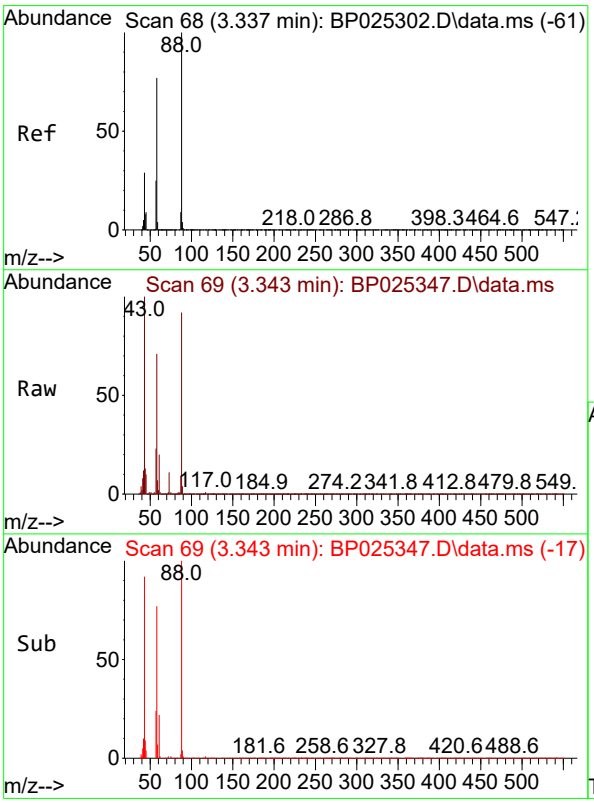
Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.1	187.7
115	57.3	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
APPROVED

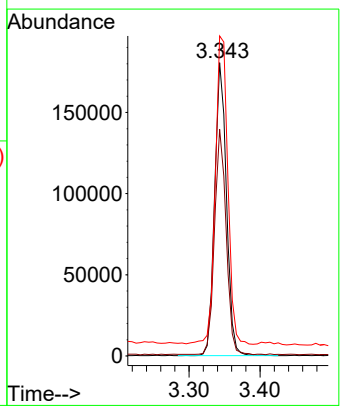
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

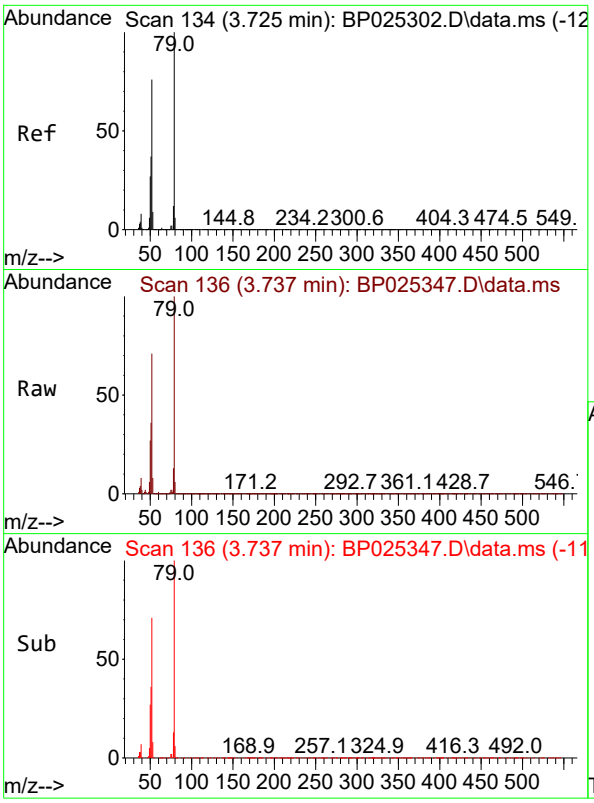


#2
1,4-Dioxane
Concen: 39.399 ng
RT: 3.343 min Scan# 69
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 88 Resp: 207864

Ion	Ratio	Lower	Upper
88	100		
58	75.4	61.9	92.9
43	111.4	24.2	36.2#

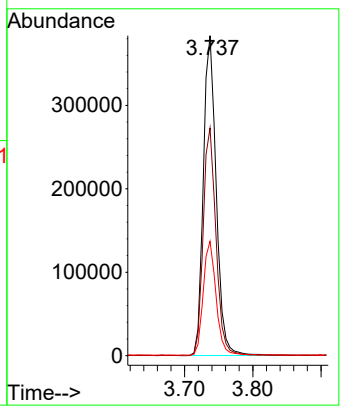




#3
Pyridine
Concen: 34.382 ng
RT: 3.737 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 79 Resp: 50397

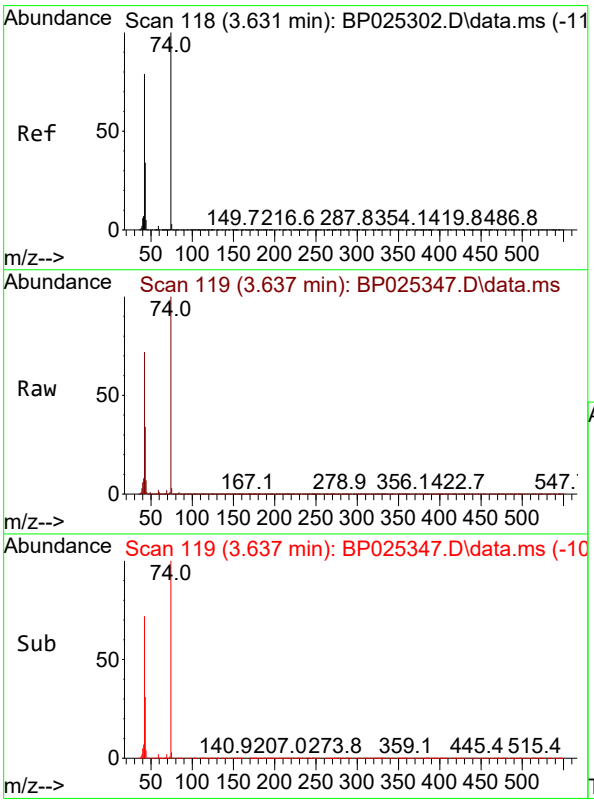
Ion	Ratio	Lower	Upper
79	100		
52	71.2	60.5	90.7
51	35.7	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
APPROVED

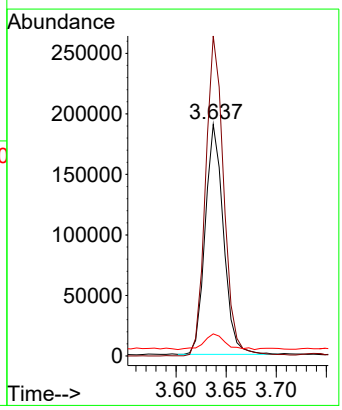
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

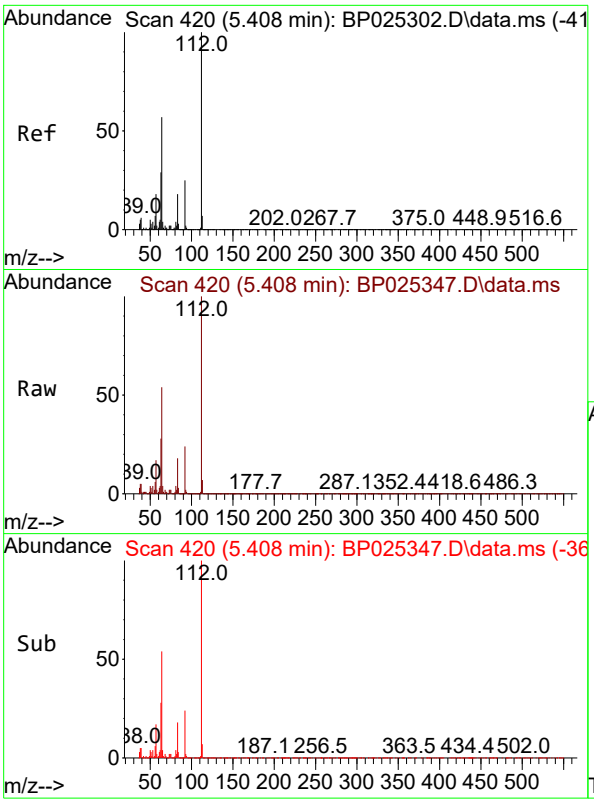


#4
n-Nitrosodimethylamine
Concen: 35.412 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 42 Resp: 240982

Ion	Ratio	Lower	Upper
42	100		
74	138.2	101.4	152.2
44	9.5	7.6	11.4

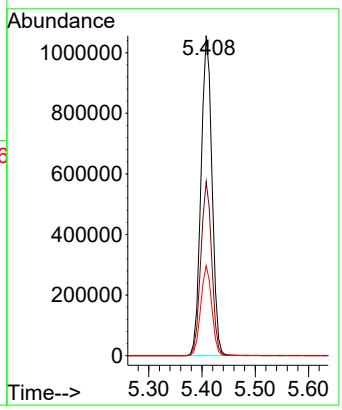




#5
2-Fluorophenol
Concen: 113.429 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:112 Resp: 151646

Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.3	67.9
63	28.1	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
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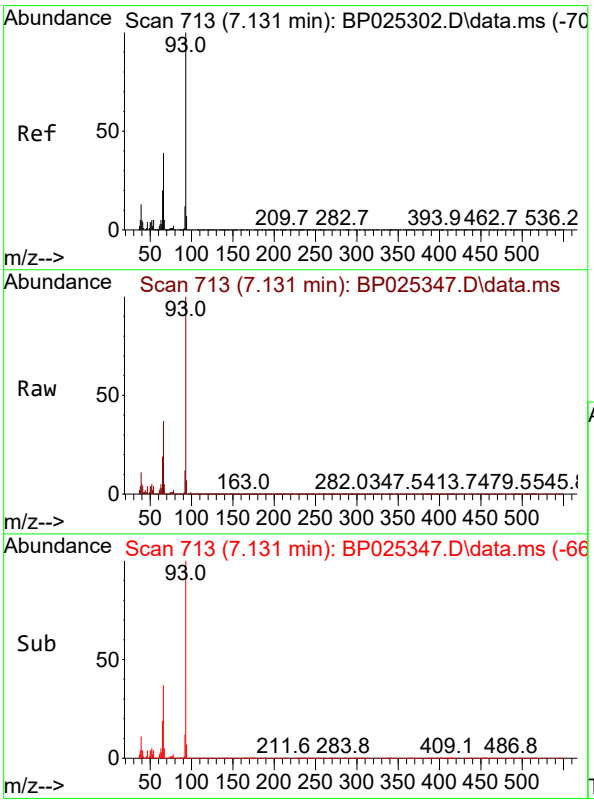
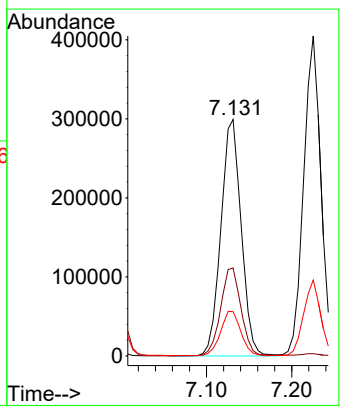
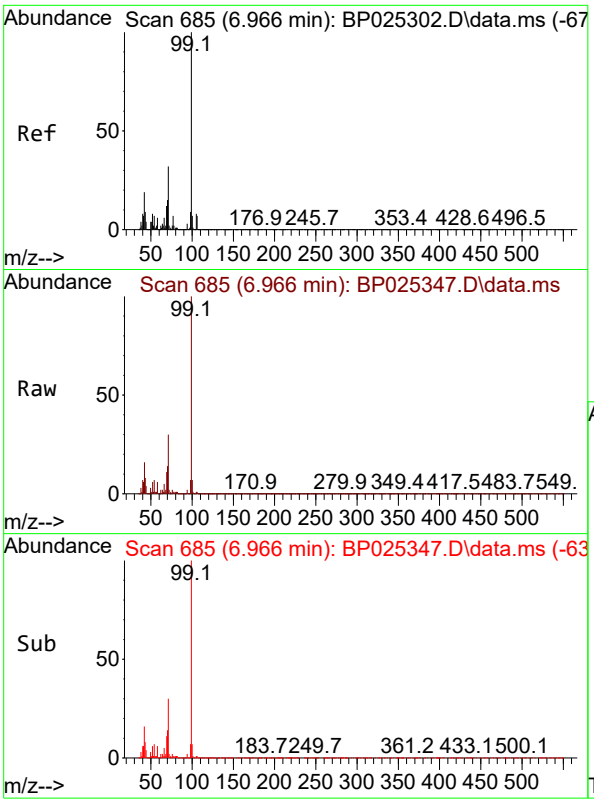


#6
Aniline
Concen: 20.458 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 93 Resp: 494125

Ion	Ratio	Lower	Upper
93	100		
66	37.2	31.1	46.7
65	18.7	15.8	23.8

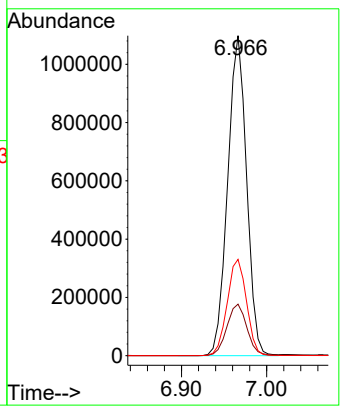




#7
Phenol-d6
Concen: 96.140 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 99 Resp: 169156

Ion	Ratio	Lower	Upper
99	100		
42	16.1	15.0	22.6
71	30.1	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
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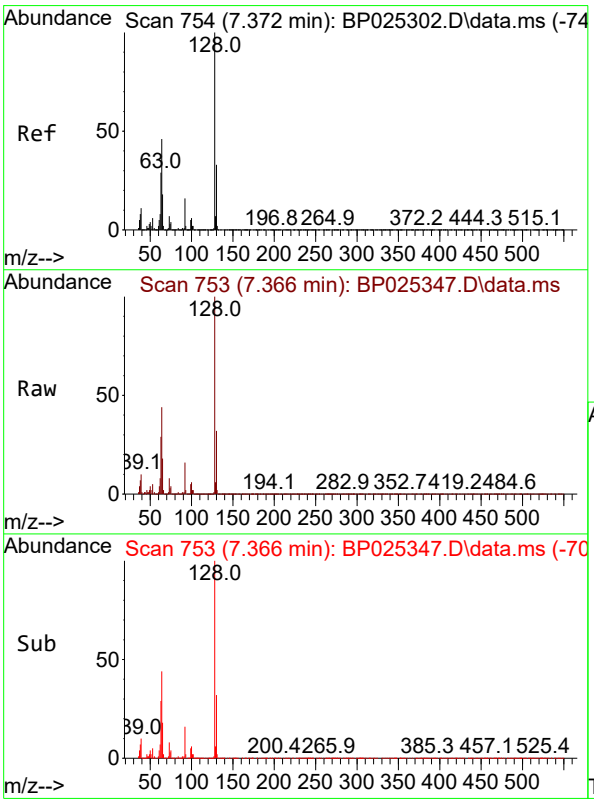
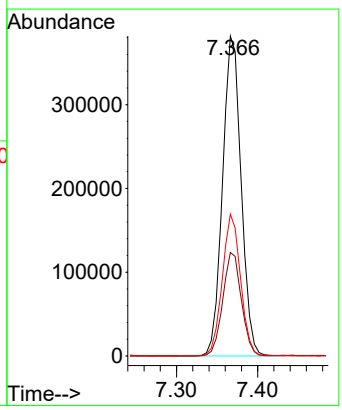
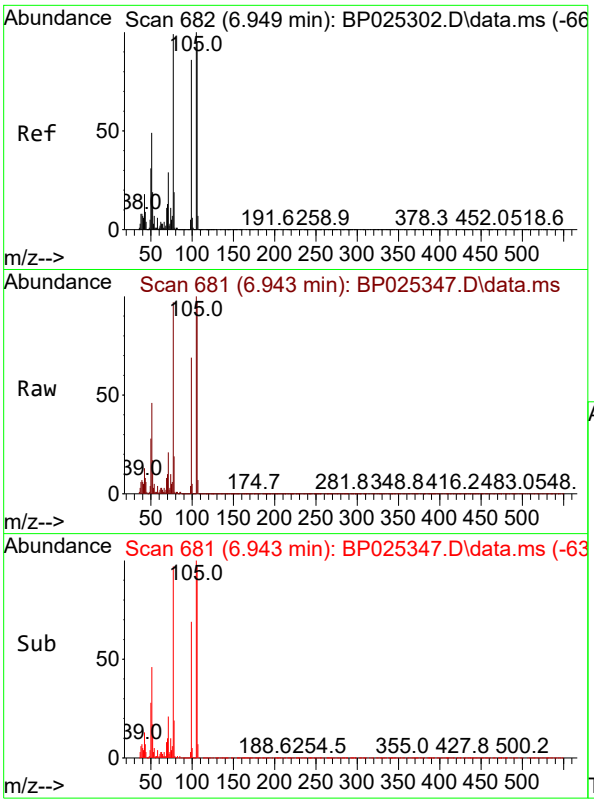


#8
2-Chlorophenol
Concen: 41.467 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:128 Resp: 606825

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.1	53.1
64	44.3	26.1	66.1

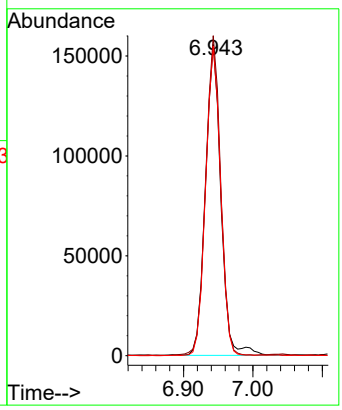




#9
Benzaldehyde
Concen: 19.181 ng m
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 77 Resp: 23970

Ion	Ratio	Lower	Upper
77	100		
105	102.8	81.4	121.4
106	99.4	76.2	116.2



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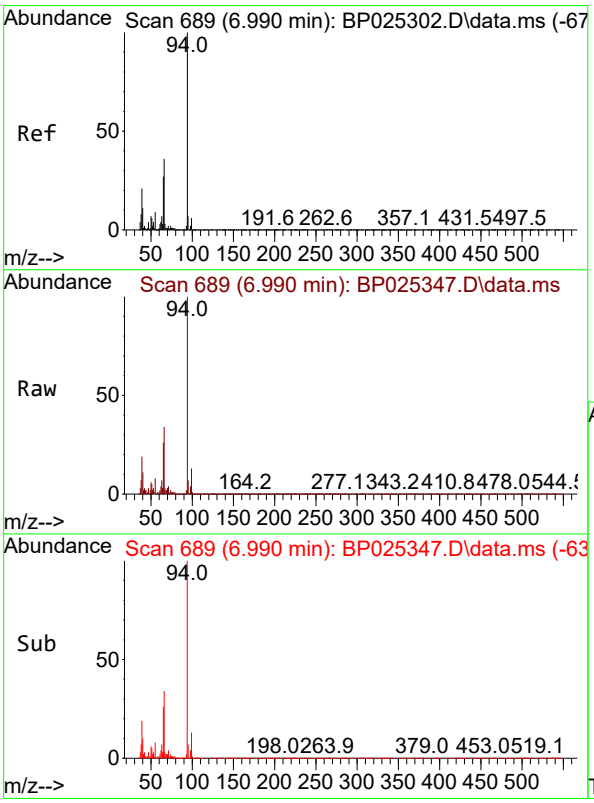
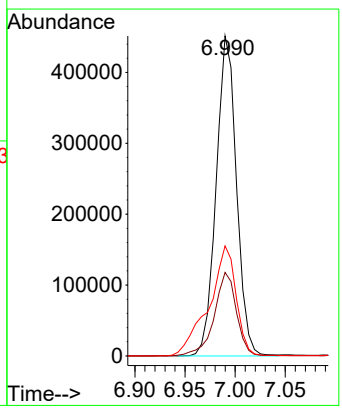
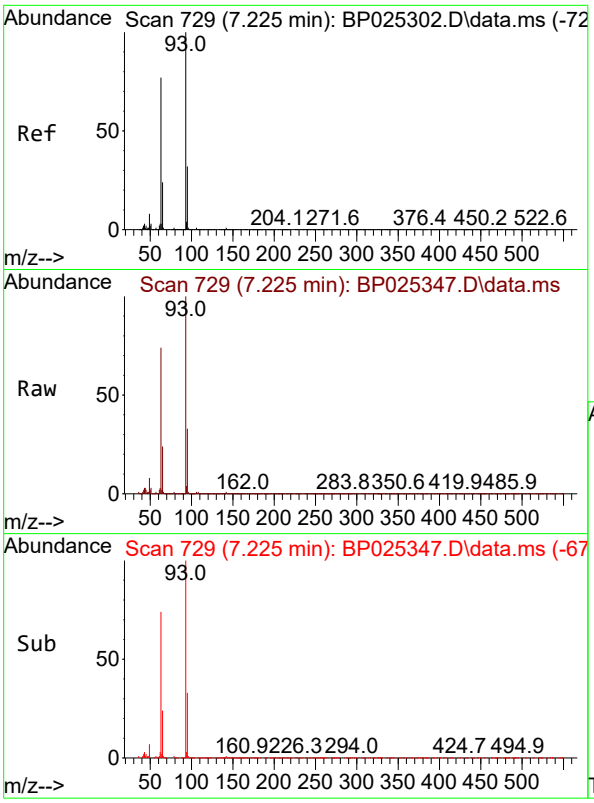


#10
Phenol
Concen: 33.712 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 94 Resp: 634652

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	34.4	15.7	55.7

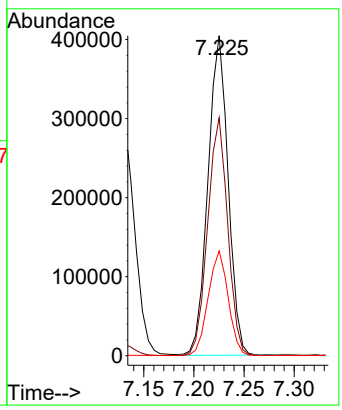




#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 93 Resp: 56565

Ion	Ratio	Lower	Upper
93	100		
63	74.3	57.0	97.0
95	32.7	12.1	52.1



Instrument :
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ClientSampleId :
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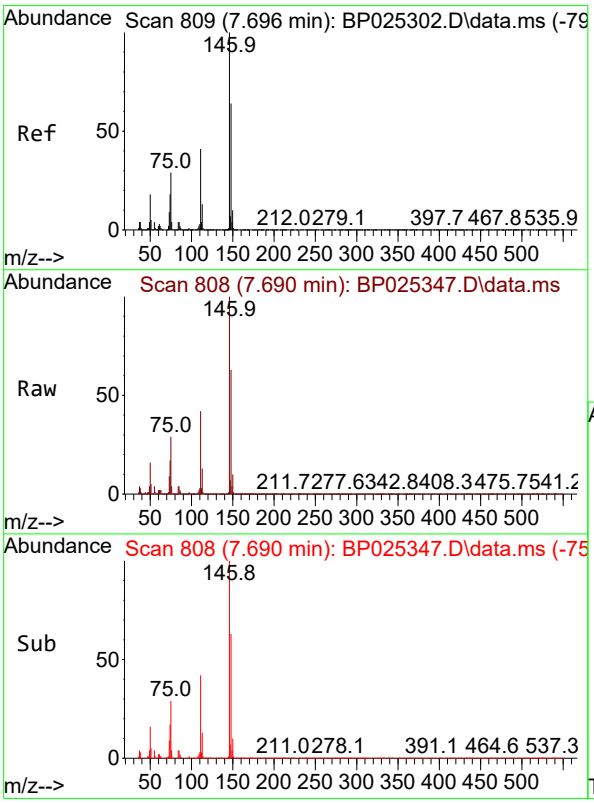
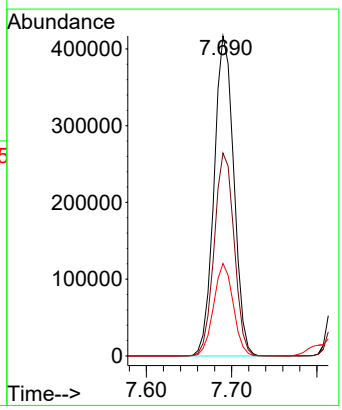
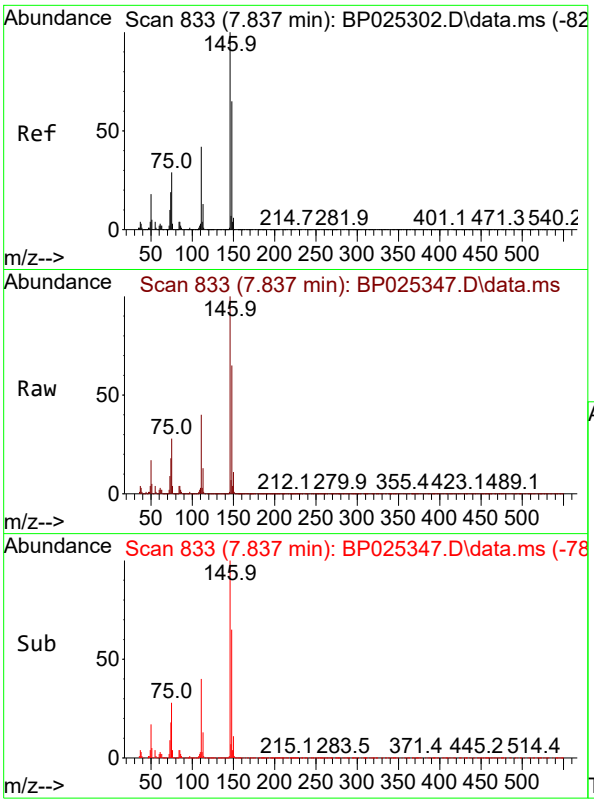


#12
1,3-Dichlorobenzene
Concen: 40.833 ng
RT: 7.690 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:146 Resp: 671423

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
75	28.9	23.2	34.8

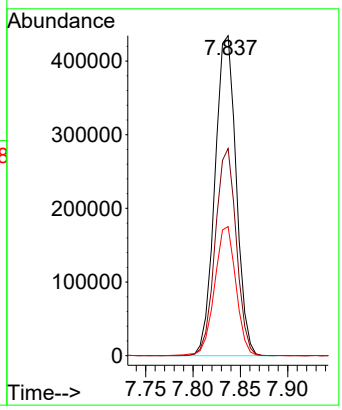




#13
1,4-Dichlorobenzene
Concen: 40.835 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:146 Resp: 67932

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.0	78.0
111	40.3	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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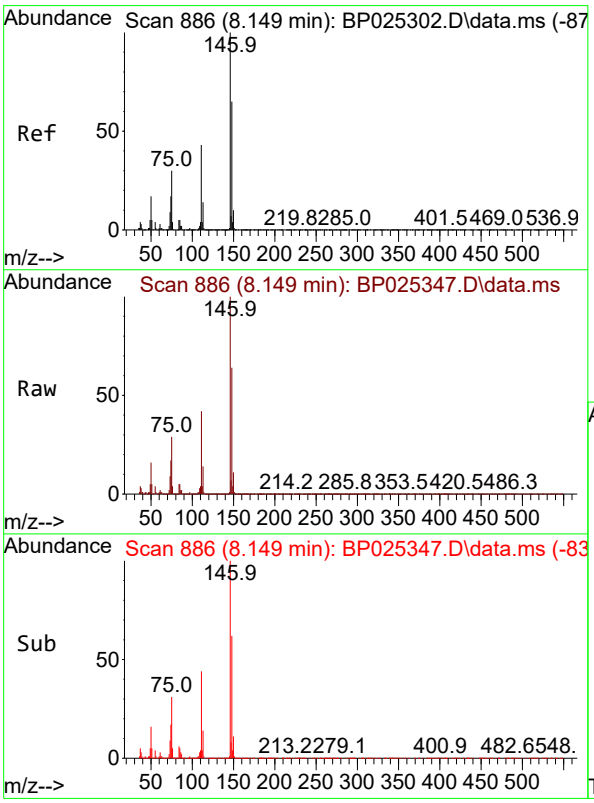
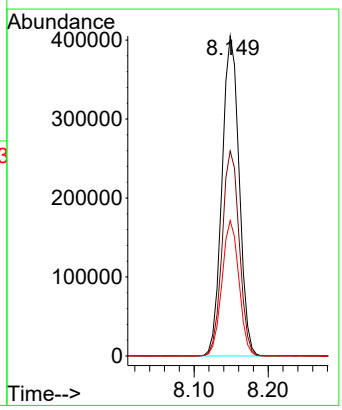
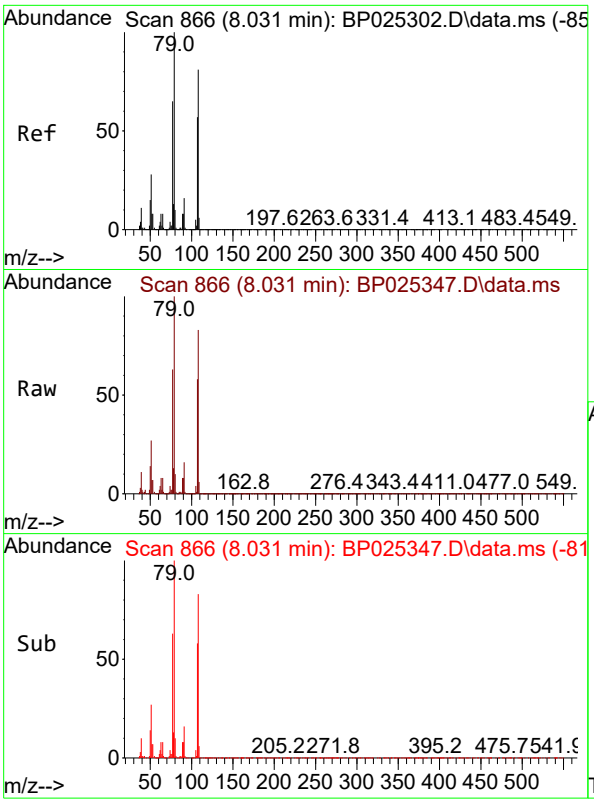


#14
1,2-Dichlorobenzene
Concen: 40.324 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:146 Resp: 649837

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	42.3	34.4	51.6

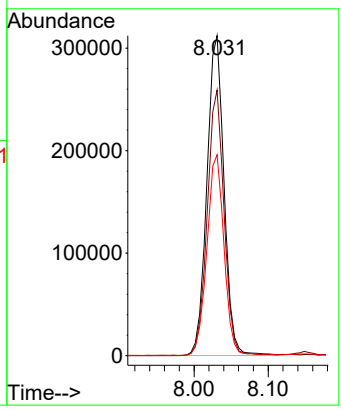




#15
Benzyl Alcohol
Concen: 36.660 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 79 Resp: 49998

Ion	Ratio	Lower	Upper
79	100		
108	83.0	64.5	96.7
77	62.8	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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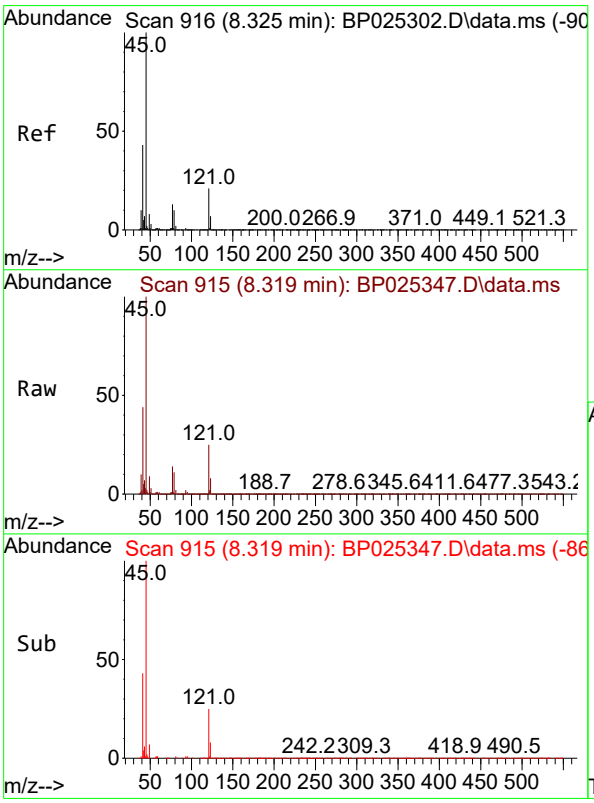
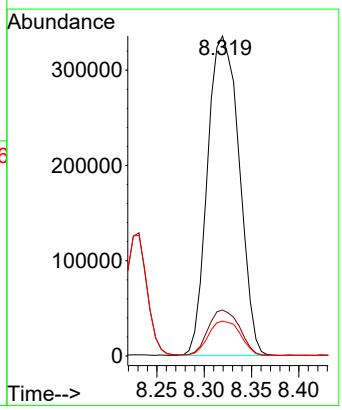
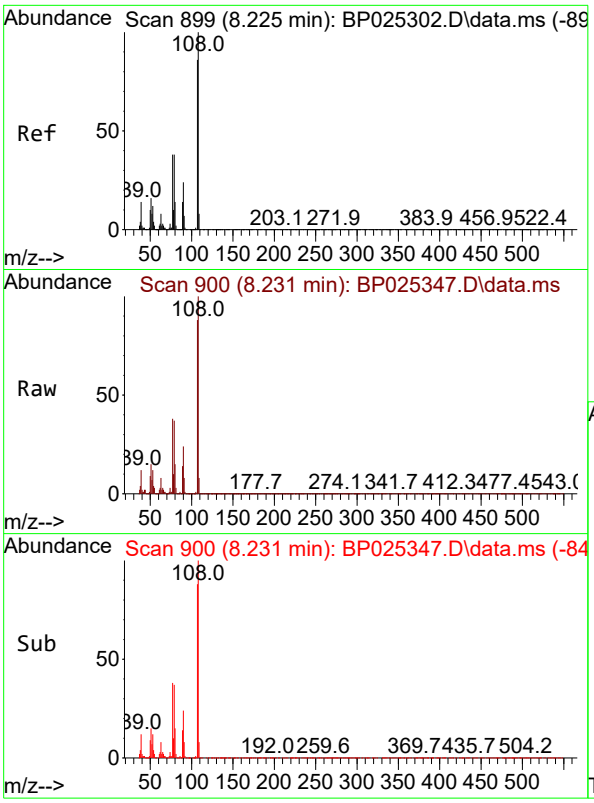


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.470 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 45 Resp: 779898

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.0
79	10.9	0.0	29.8

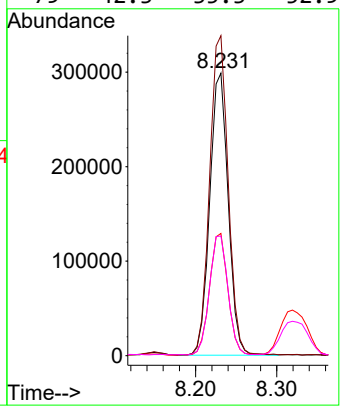




#17
2-Methylphenol
Concen: 37.426 ng
RT: 8.231 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:107 Resp: 47145(

Ion	Ratio	Lower	Upper
107	100		
108	113.2	92.6	139.0
77	43.3	35.4	53.2
79	42.3	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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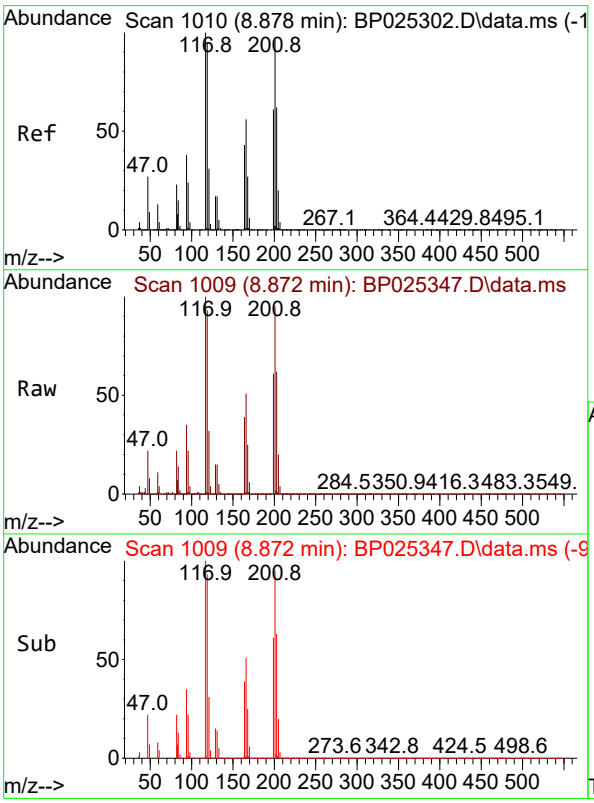
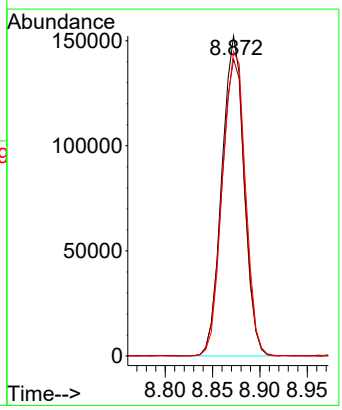
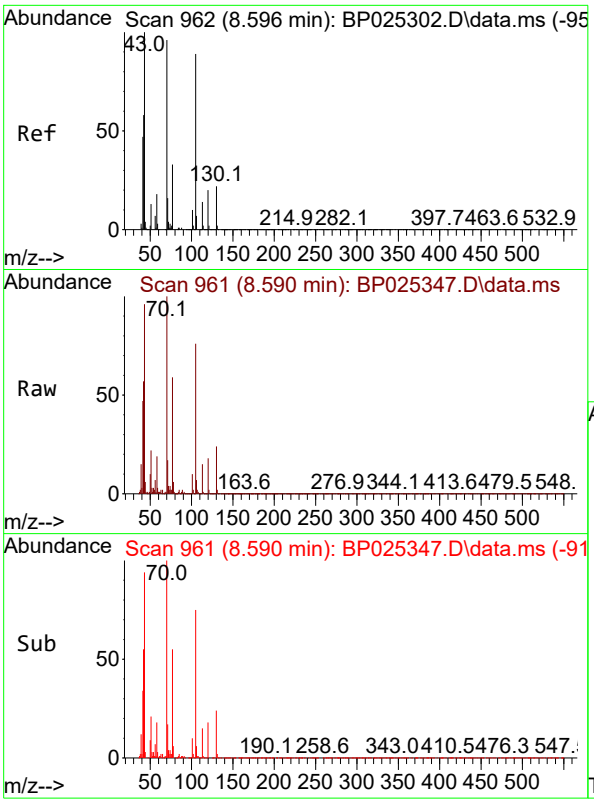


#18
Hexachloroethane
Concen: 41.968 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:117 Resp: 249678

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.8
201	95.1	76.6	114.8

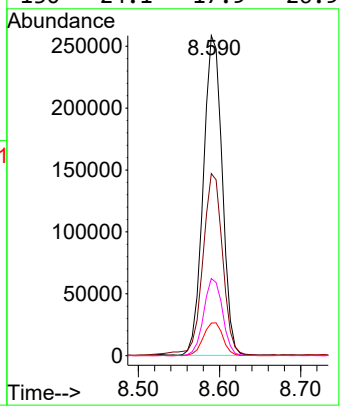




#19
n-Nitroso-di-n-propylamine
Concen: 36.135 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 70 Resp: 41773

Ion	Ratio	Lower	Upper
70	100		
42	56.9	49.4	74.0
101	10.2	7.9	11.9
130	24.1	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
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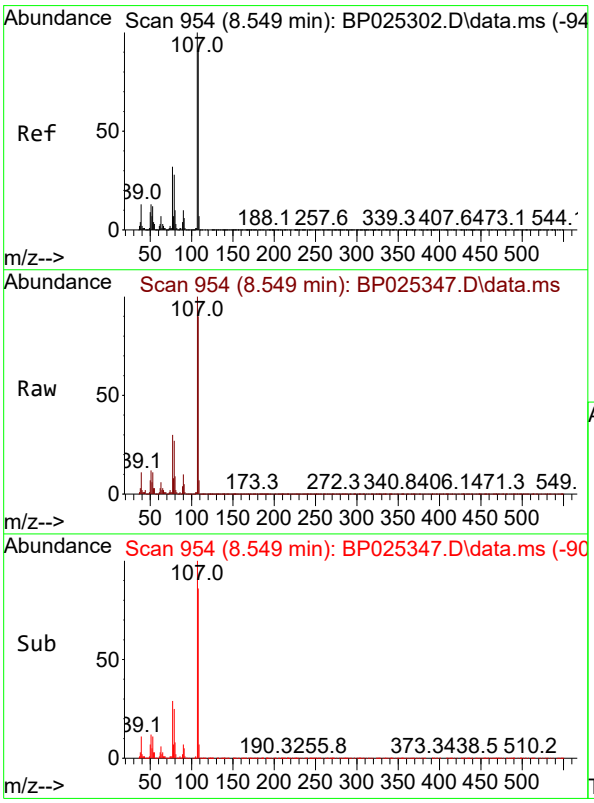
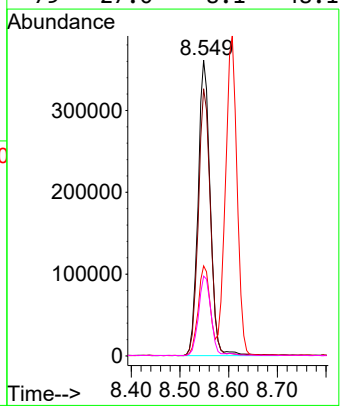
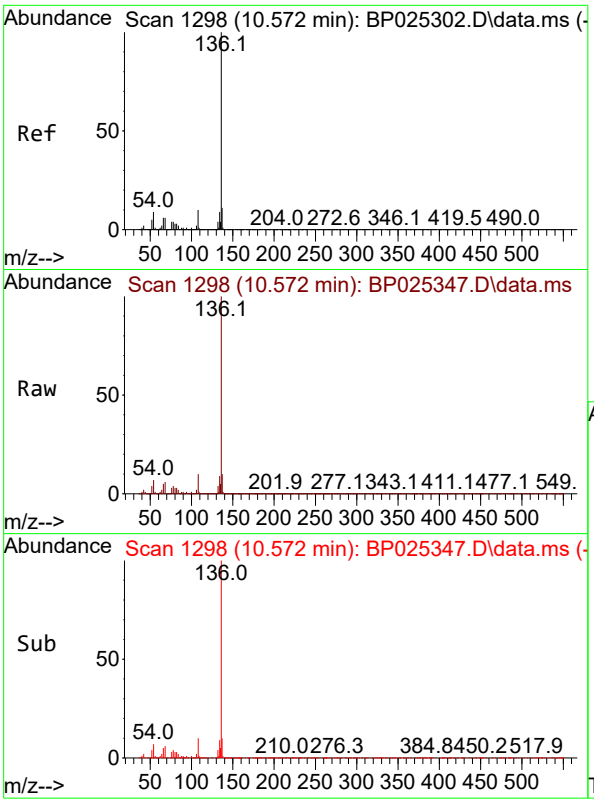


#20
3+4-Methylphenols
Concen: 36.144 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:107 Resp: 626961

Ion	Ratio	Lower	Upper
107	100		
108	90.3	71.9	111.9
77	30.5	12.0	52.0
79	27.0	8.1	48.1

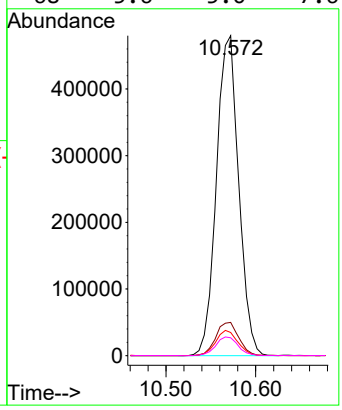




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:136 Resp: 82722

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.3	7.0	10.6
68	5.6	5.0	7.6



Instrument :
BNA_P
ClientSampleId :
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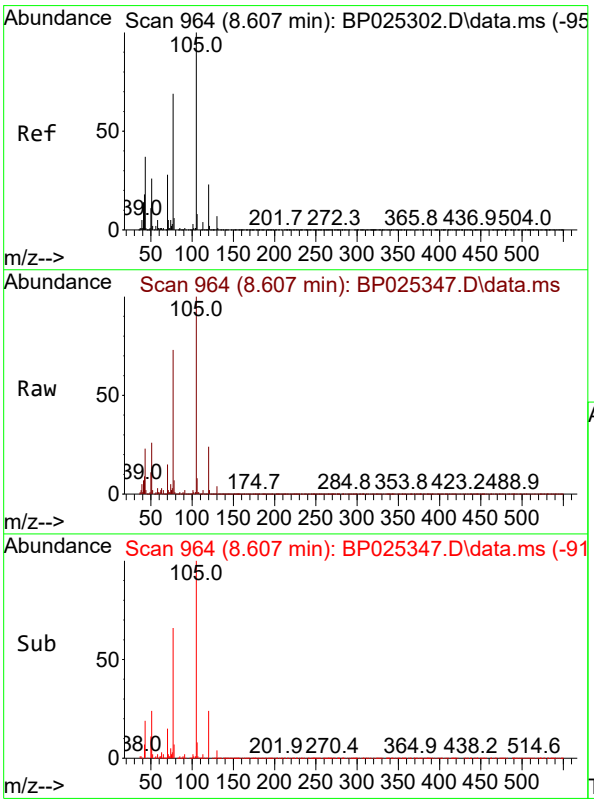
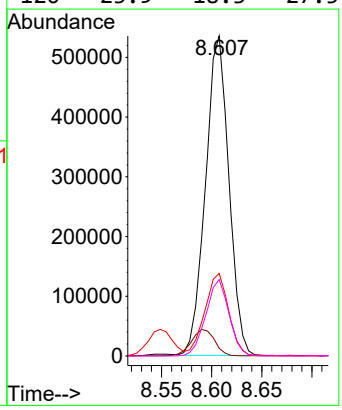
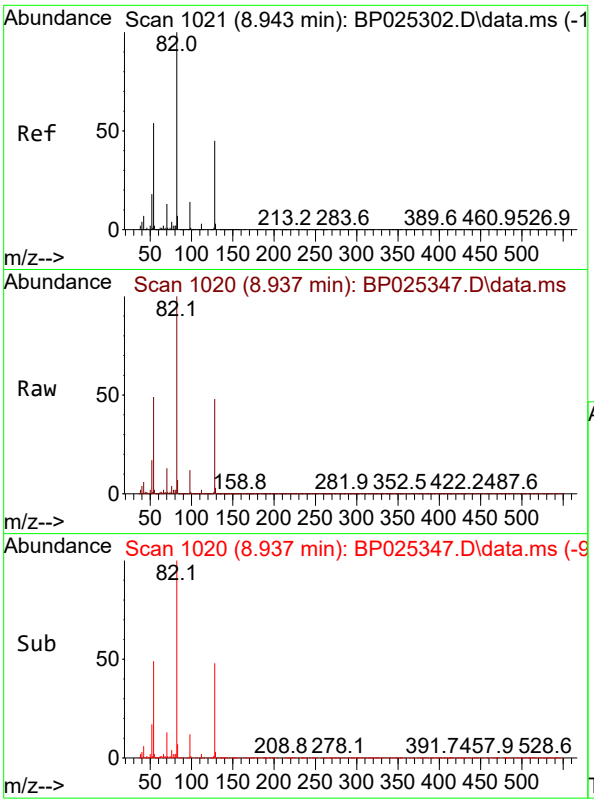


#22
Acetophenone
Concen: 41.831 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:105 Resp: 868680

Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.1	6.1#
51	25.8	22.7	34.1
120	23.9	18.3	27.5





#23
Nitrobenzene-d5
Concen: 84.241 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Instrument :
BNA_P
ClientSampleId :
TP-4MS

Tgt Ion: 82 Resp: 125784

Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.4	53.2
54	48.9	42.9	64.3

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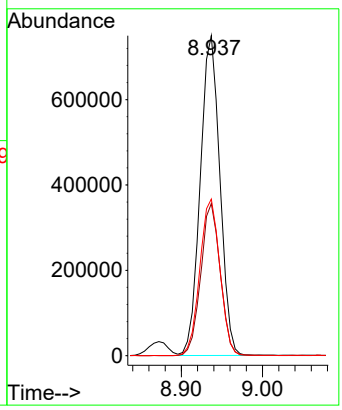
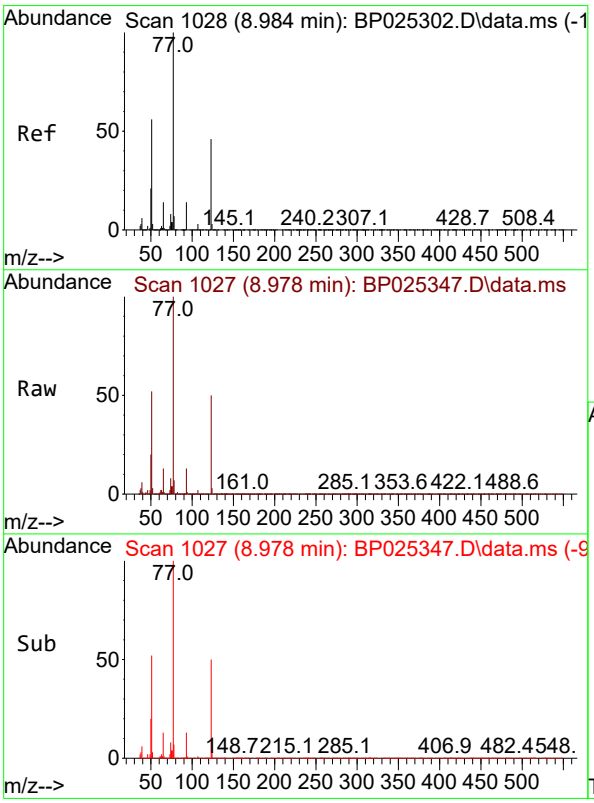
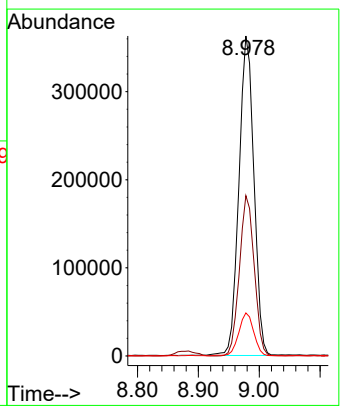


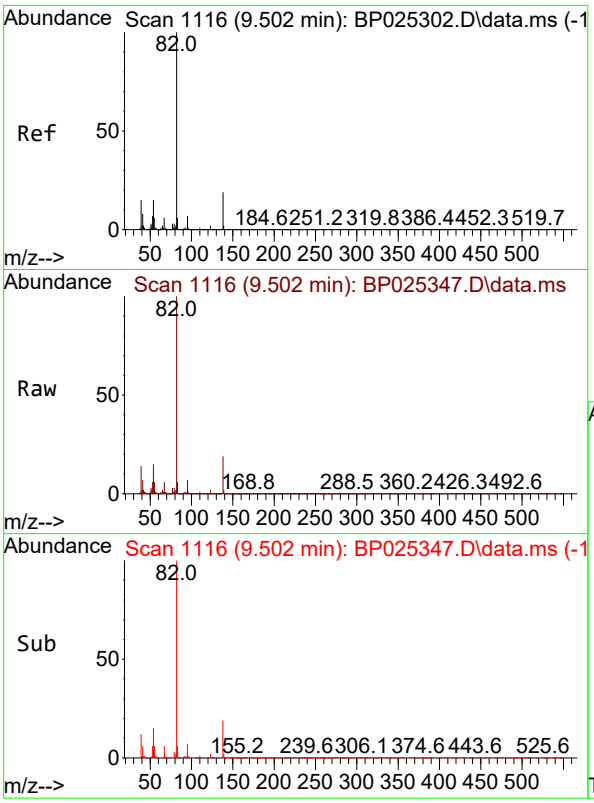


#24
Nitrobenzene
Concen: 43.825 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 77 Resp: 619446

Ion	Ratio	Lower	Upper
77	100		
123	50.1	37.4	56.2
65	13.4	11.1	16.7

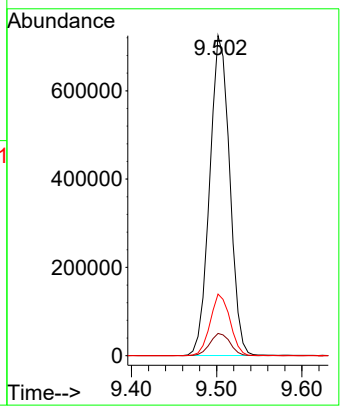




#25
Isophorone
Concen: 39.773 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 82 Resp: 118213

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	19.2	15.0	22.6



Instrument :
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ClientSampleId :
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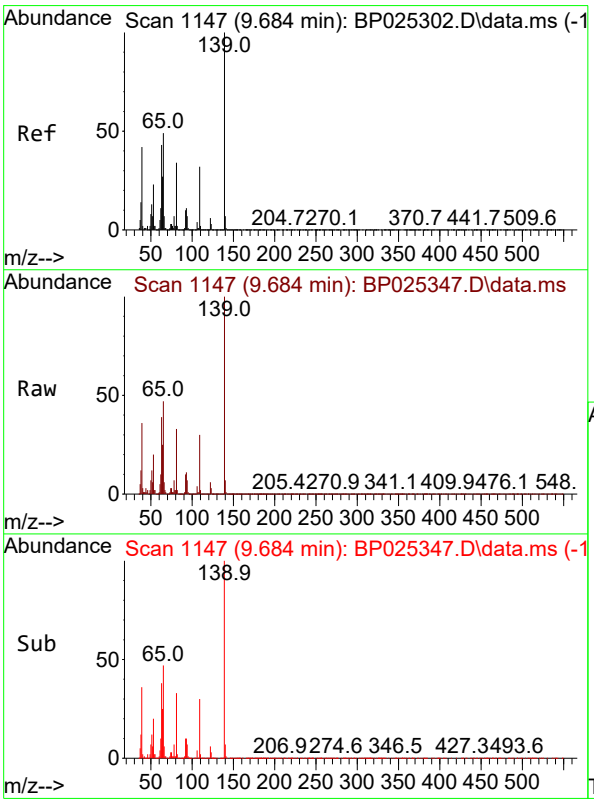
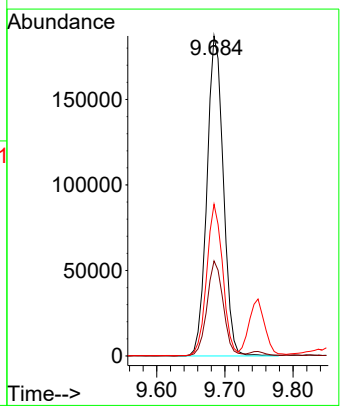
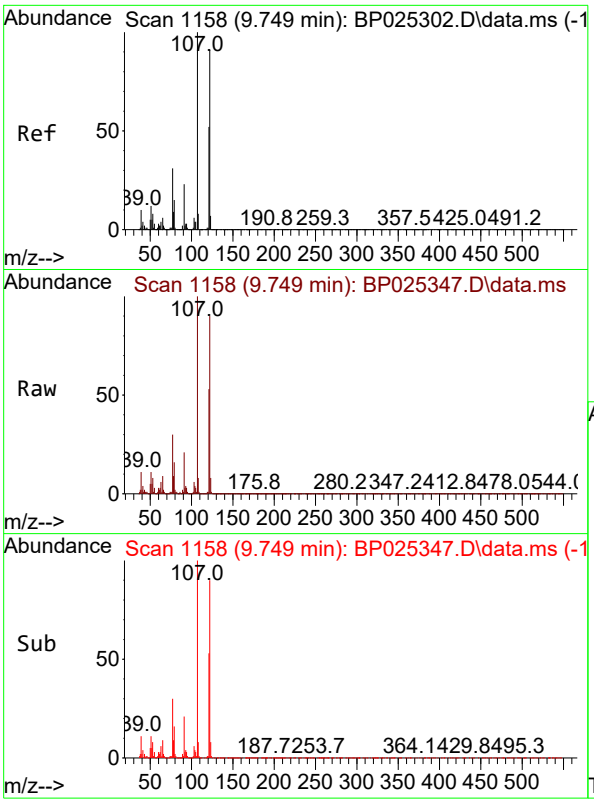


#26
2-Nitrophenol
Concen: 50.639 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:139 Resp: 313121

Ion	Ratio	Lower	Upper
139	100		
109	29.7	25.2	37.8
65	47.4	39.6	59.4

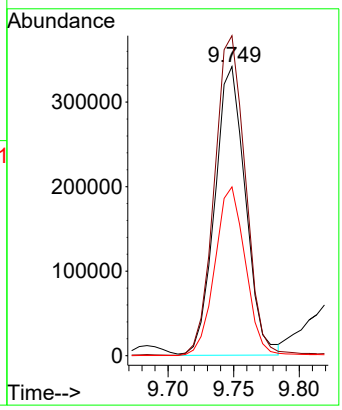




#27
2,4-Dimethylphenol
Concen: 40.472 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:122 Resp: 55458

Ion	Ratio	Lower	Upper
122	100		
107	110.7	87.4	131.0
121	58.4	45.8	68.8



Instrument :
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ClientSampleId :
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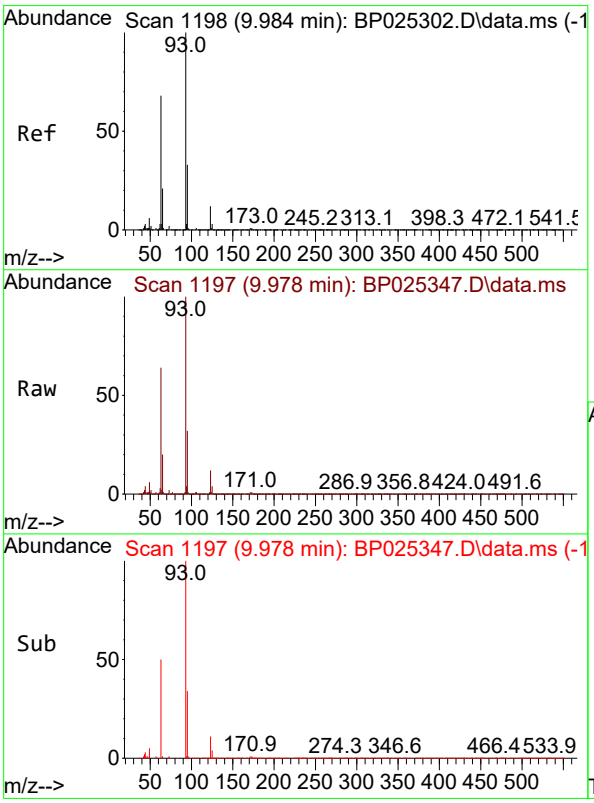
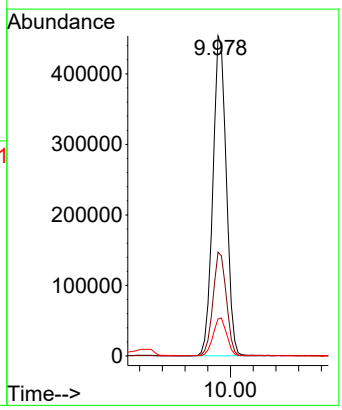
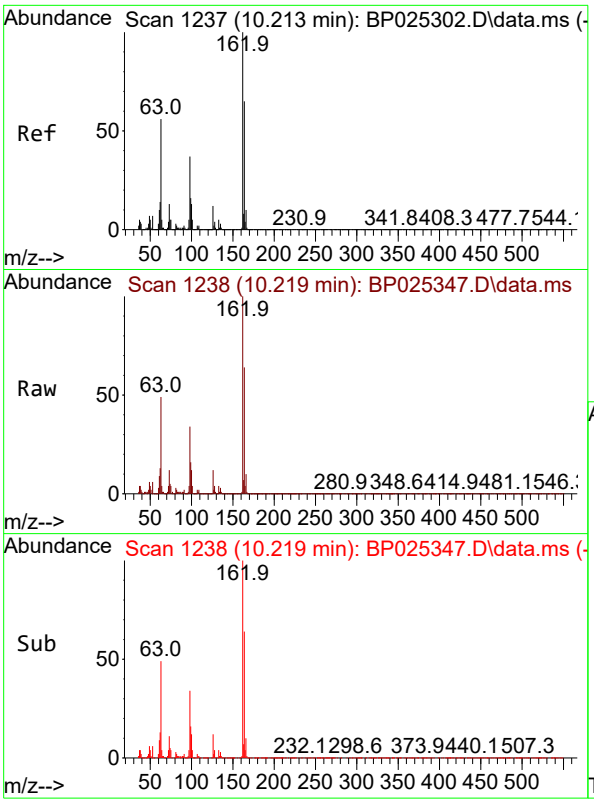


#28
bis(2-Chloroethoxy)methane
Concen: 41.082 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 93 Resp: 742799

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	11.6	9.4	14.2

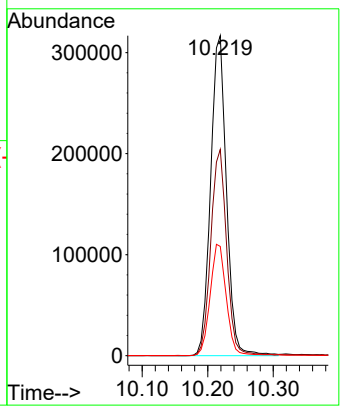




#29
2,4-Dichlorophenol
Concen: 44.297 ng
RT: 10.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:162 Resp: 53141

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.2	85.2
98	34.2	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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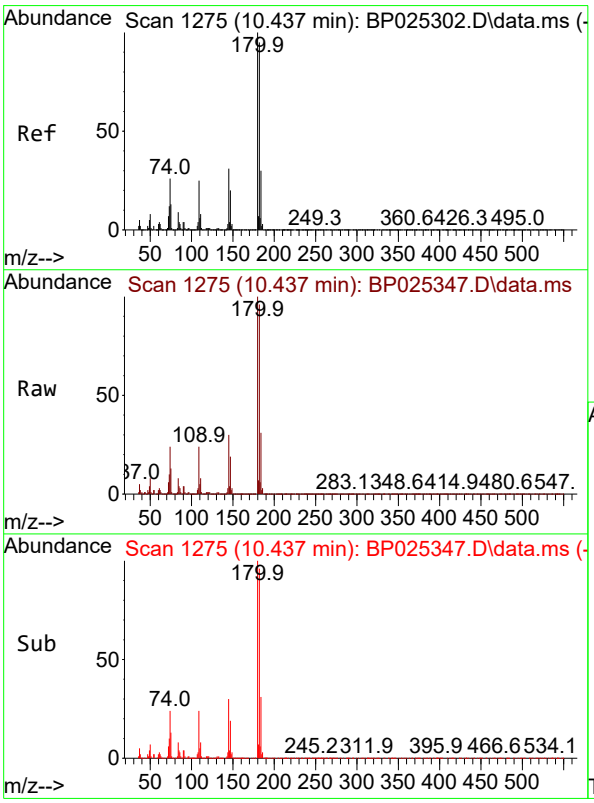
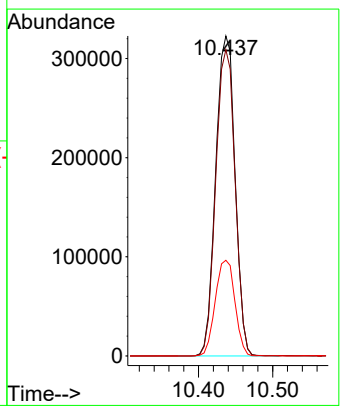
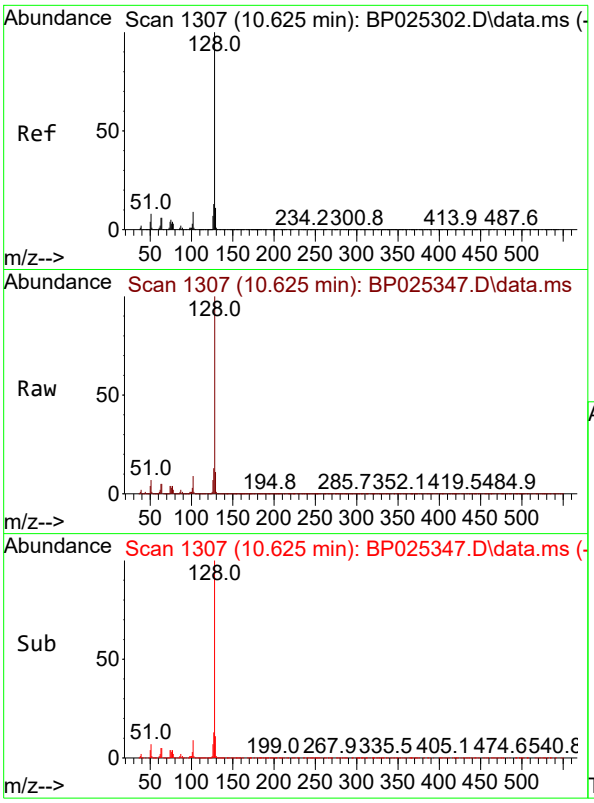


#30
1,2,4-Trichlorobenzene
Concen: 44.230 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:180 Resp: 585403

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	29.9	25.0	37.4

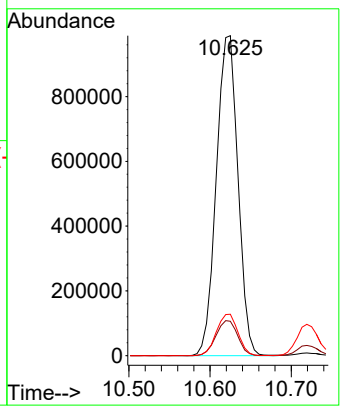




#31
Naphthalene
Concen: 42.587 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:128 Resp: 182882

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.9	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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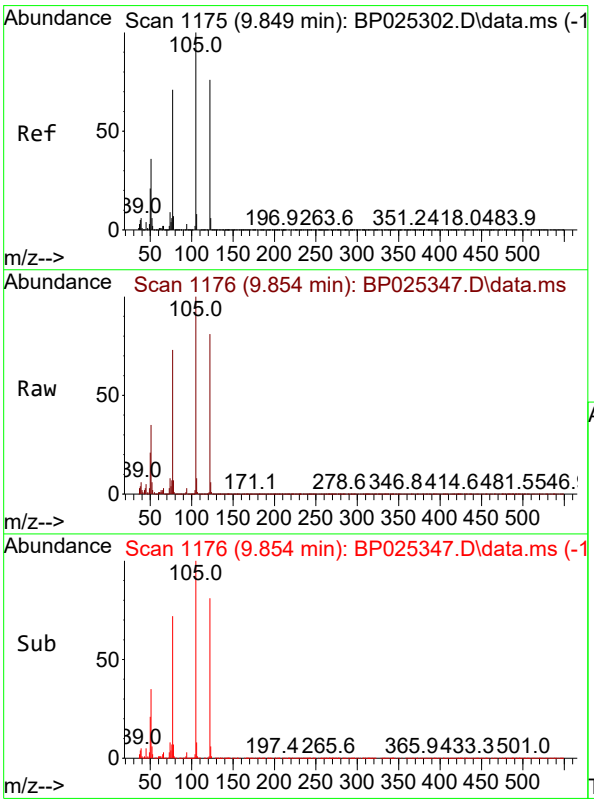
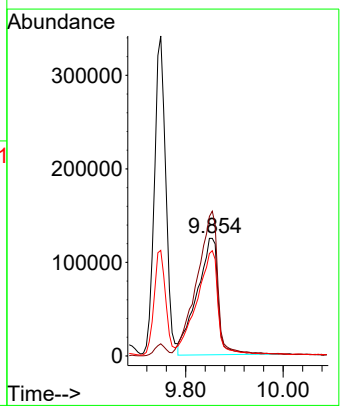
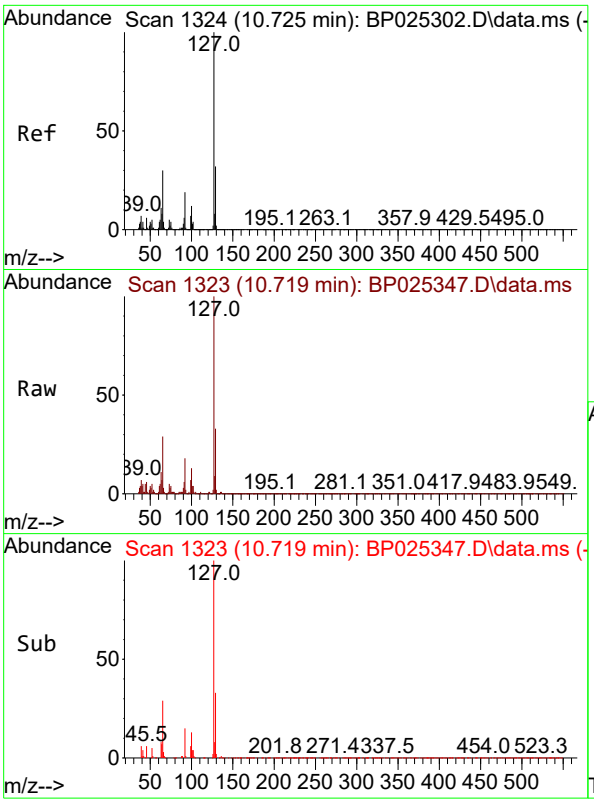


#32
Benzoic acid
Concen: 48.174 ng
RT: 9.854 min Scan# 1176
Delta R.T. 0.005 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:122 Resp: 377146

Ion	Ratio	Lower	Upper
122	100		
105	123.0	104.0	144.0
77	89.4	71.8	111.8

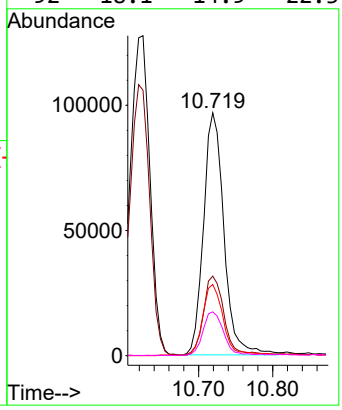




#33
4-Chloroaniline
Concen: 9.719 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:127 Resp: 18562

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.6
65	29.3	23.6	35.4
92	18.1	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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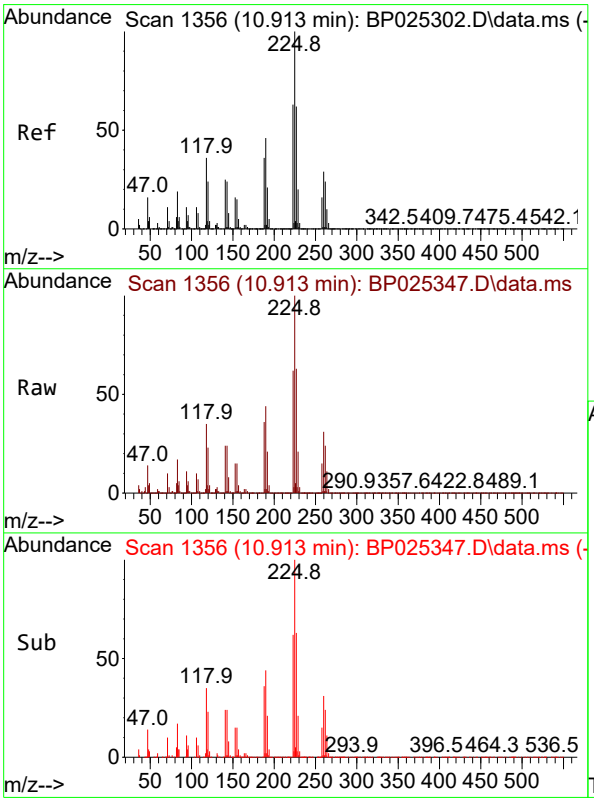
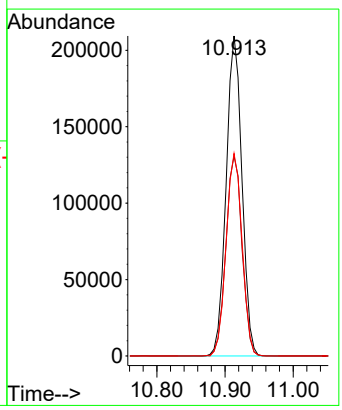
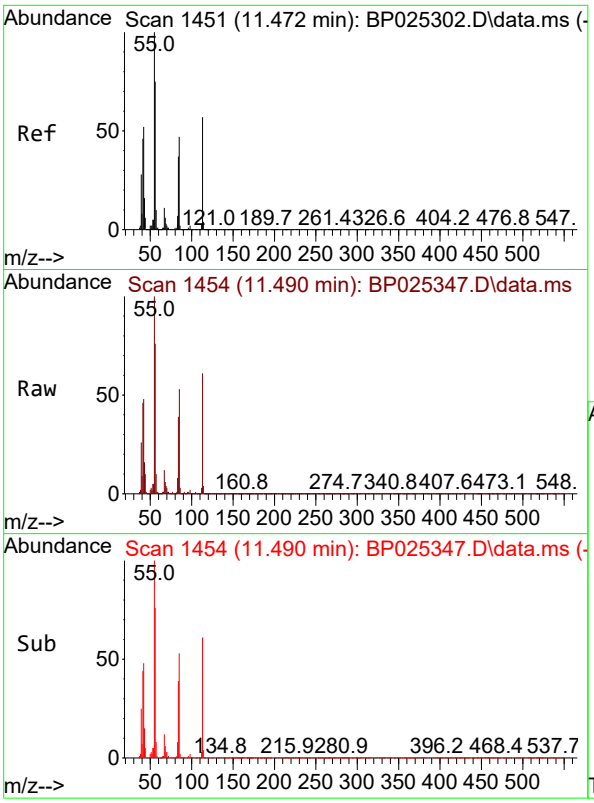


#34
Hexachlorobutadiene
Concen: 44.374 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:225 Resp: 337134

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	63.3	49.7	74.5

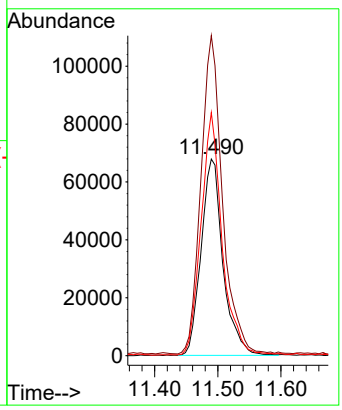




#35
Caprolactam
Concen: 35.031 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:113 Resp: 16303

Ion	Ratio	Lower	Upper
113	100		
55	162.7	154.4	194.4
56	123.5	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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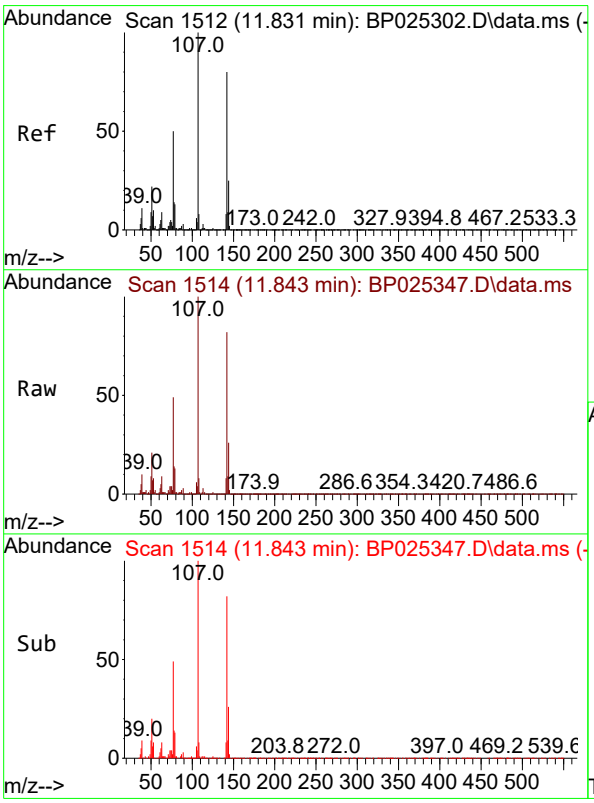
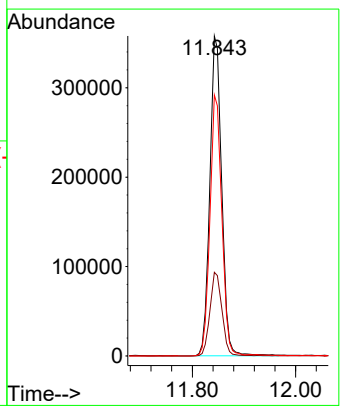
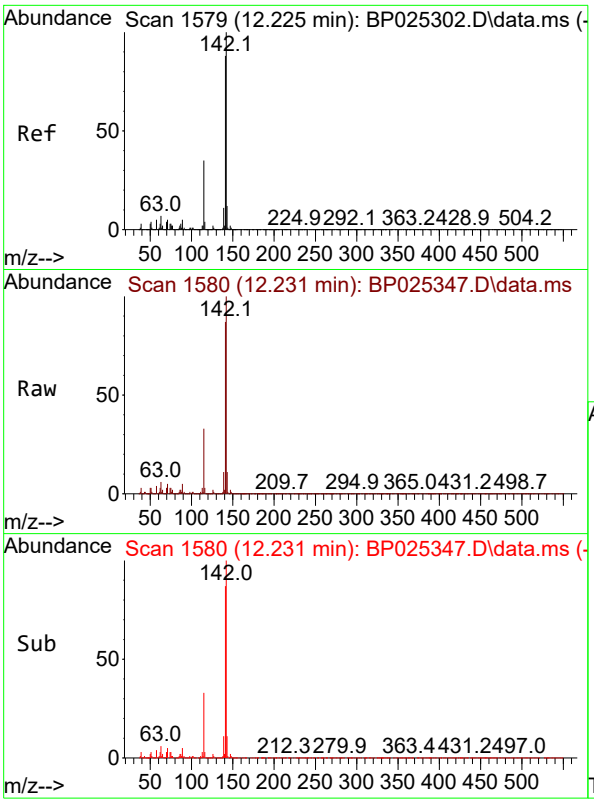


#36
4-Chloro-3-methylphenol
Concen: 41.111 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:107 Resp: 570678

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.4	30.6
142	81.6	63.7	95.5

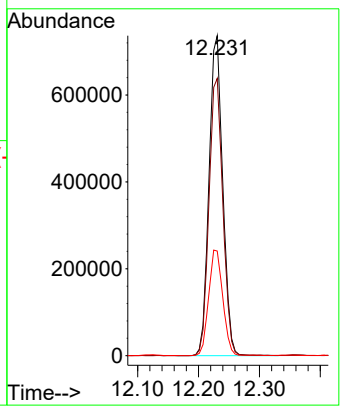




#37
2-Methylnaphthalene
Concen: 41.355 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:142 Resp: 114946

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.4	105.6
115	32.7	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
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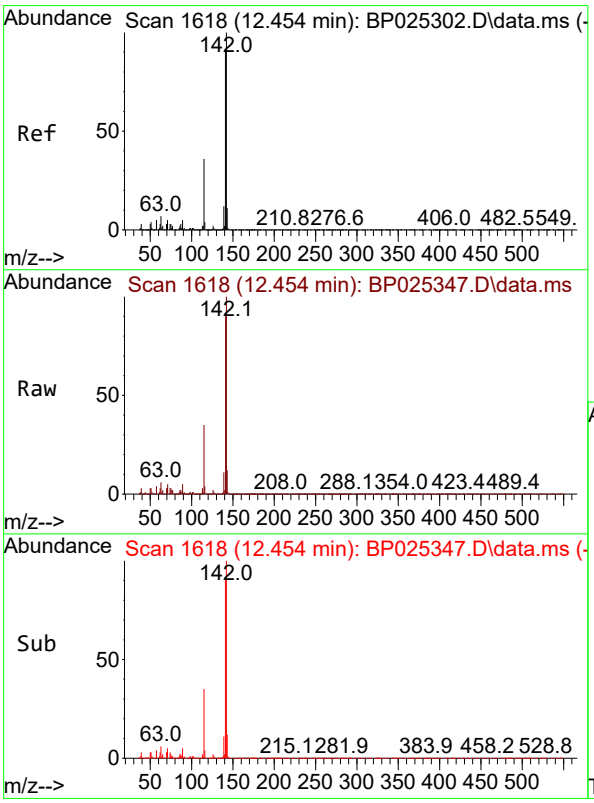
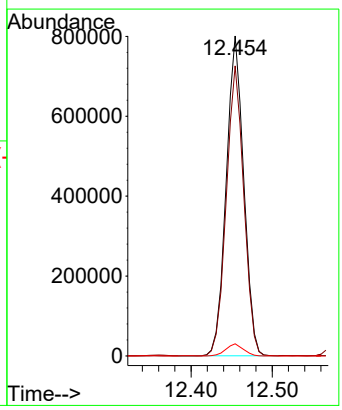
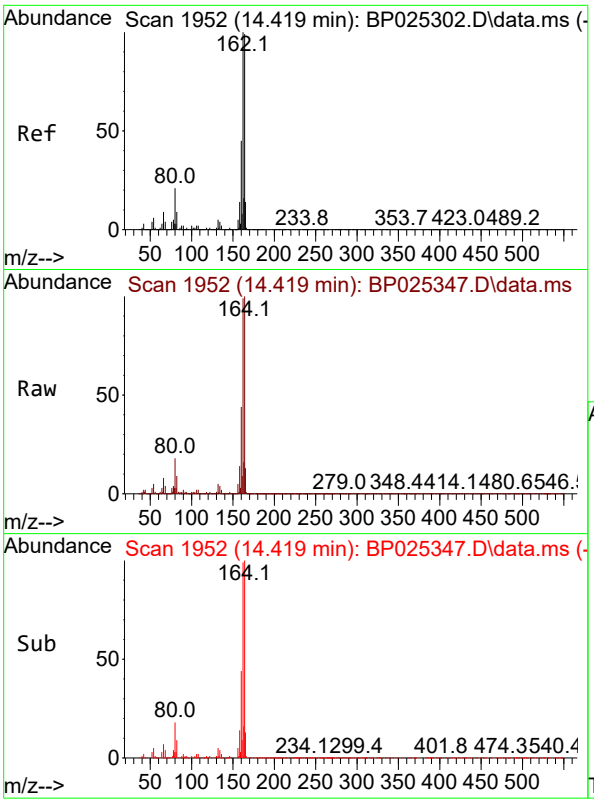


#38
1-Methylnaphthalene
Concen: 41.343 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:142 Resp: 1199034

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.6
116	3.8	3.0	4.6

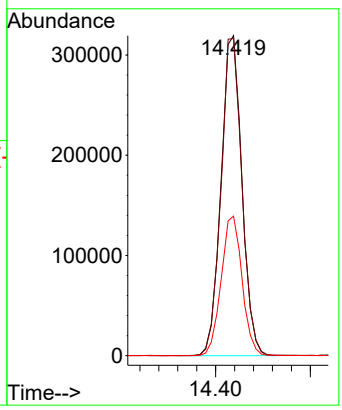




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:164 Resp: 48914

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	43.6	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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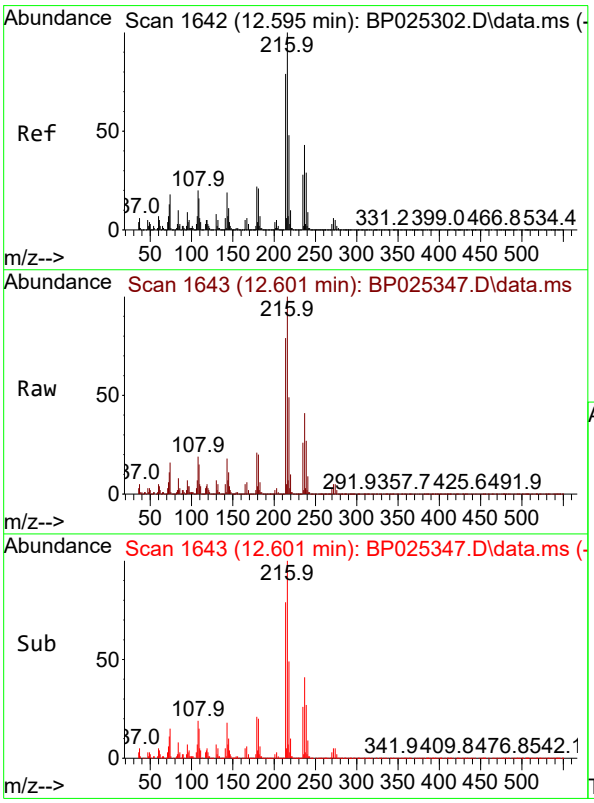
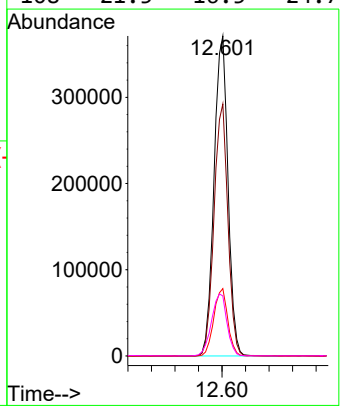
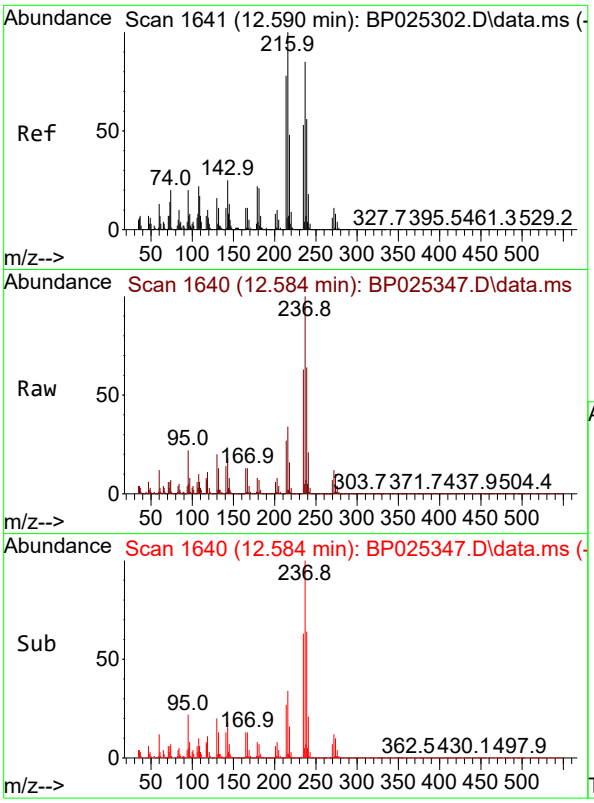


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.887 ng
RT: 12.601 min Scan# 1643
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:216 Resp: 612780

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.4	93.6
179	21.1	17.5	26.3
108	21.5	16.5	24.7

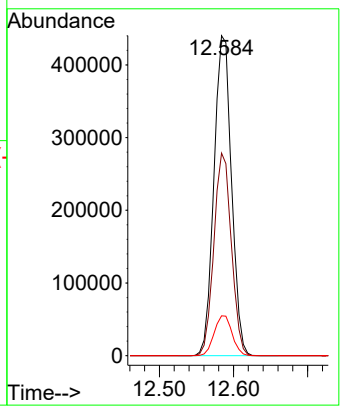




#41
Hexachlorocyclopentadiene
Concen: 87.699 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:237 Resp: 72282

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.2	82.2
272	12.5	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
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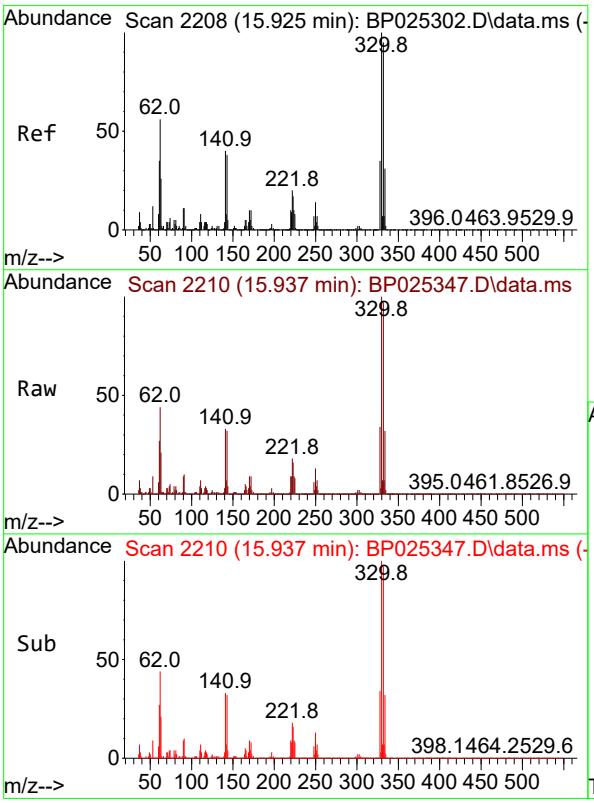
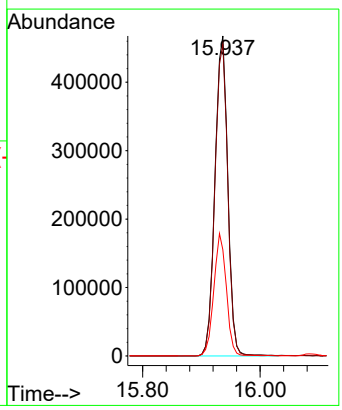
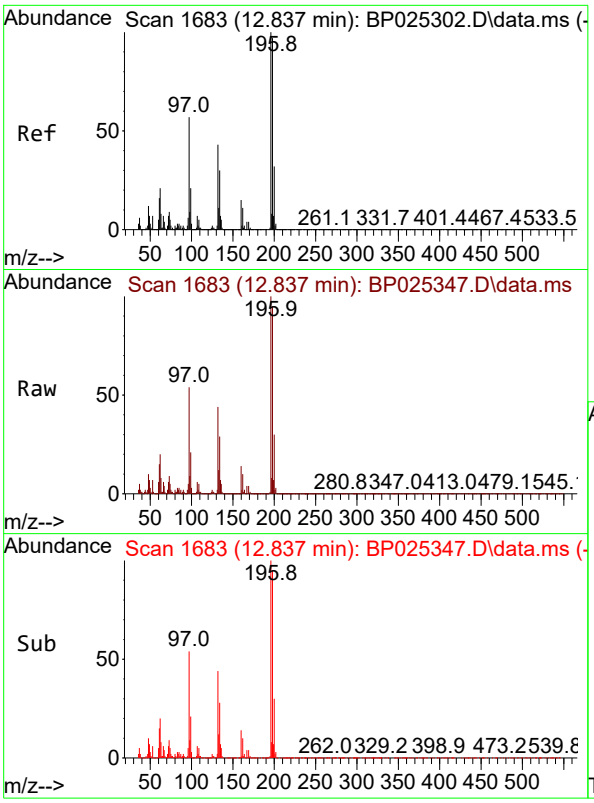


#42
2,4,6-Tribromophenol
Concen: 145.479 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:330 Resp: 709898

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	37.2	31.7	47.5

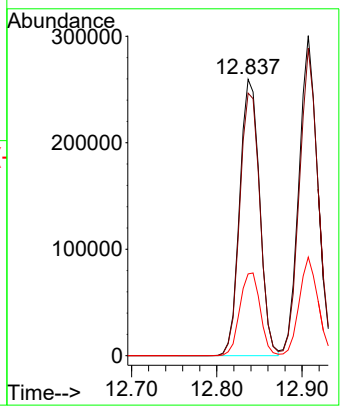




#43
2,4,6-Trichlorophenol
Concen: 48.838 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:196 Resp: 42131

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
200	29.6	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
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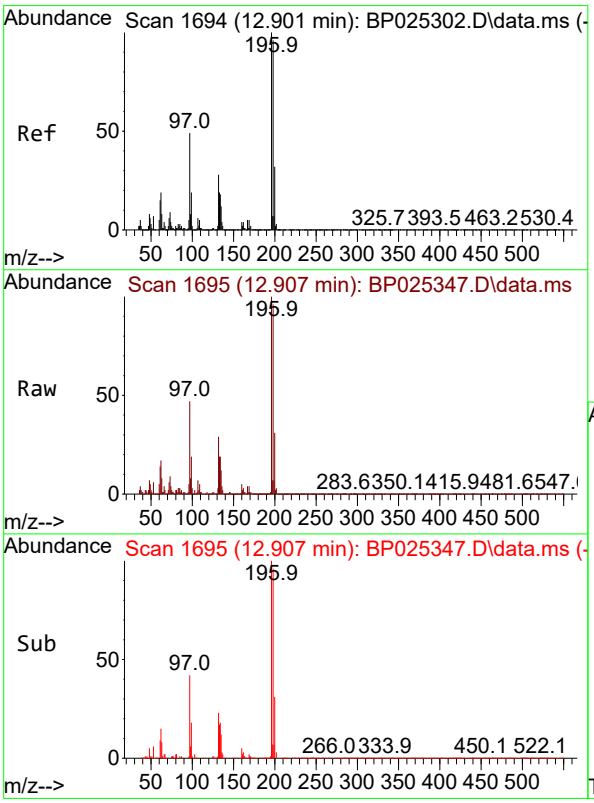
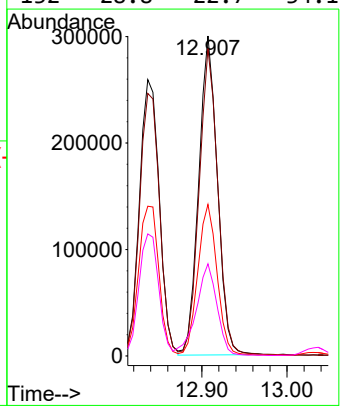
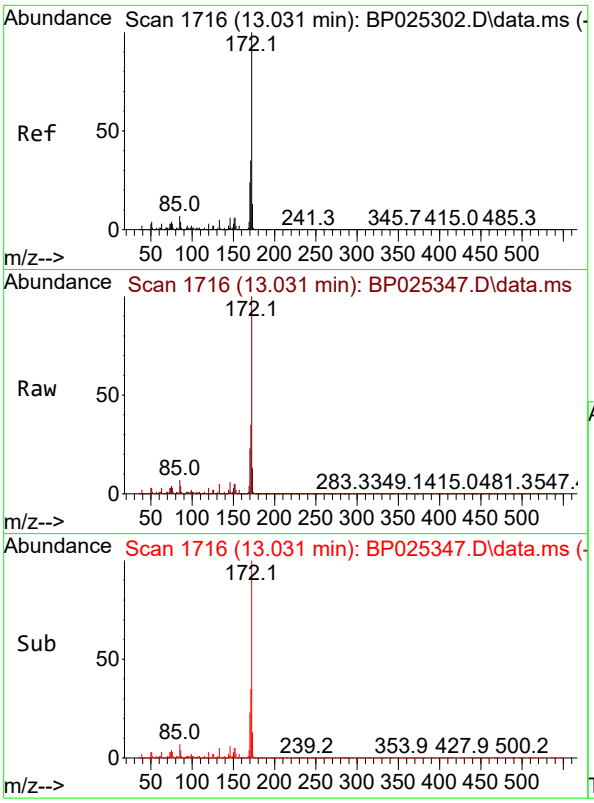


#44
2,4,5-Trichlorophenol
Concen: 47.211 ng
RT: 12.907 min Scan# 1695
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:196 Resp: 456875

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.6	114.8
97	47.4	39.5	59.3
132	28.8	22.7	34.1

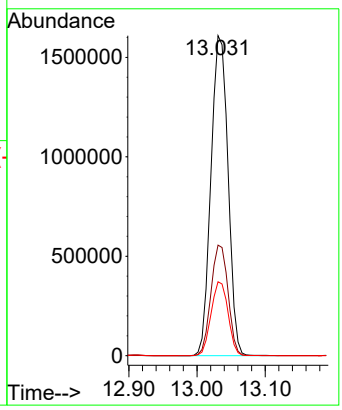




#45
2-Fluorobiphenyl
Concen: 79.202 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:172 Resp: 280485

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	23.1	18.9	28.3



Instrument :
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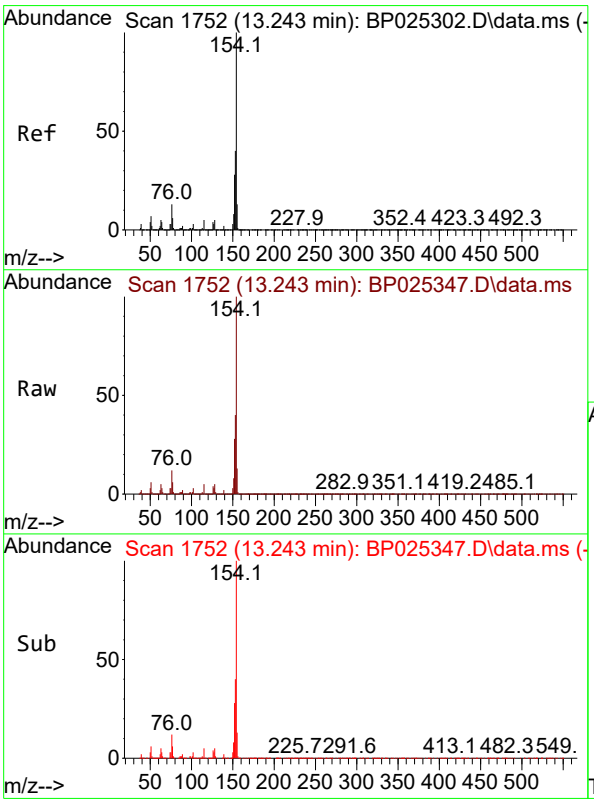
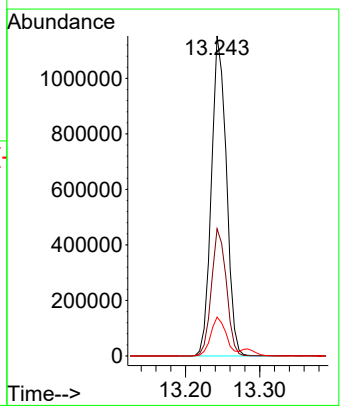
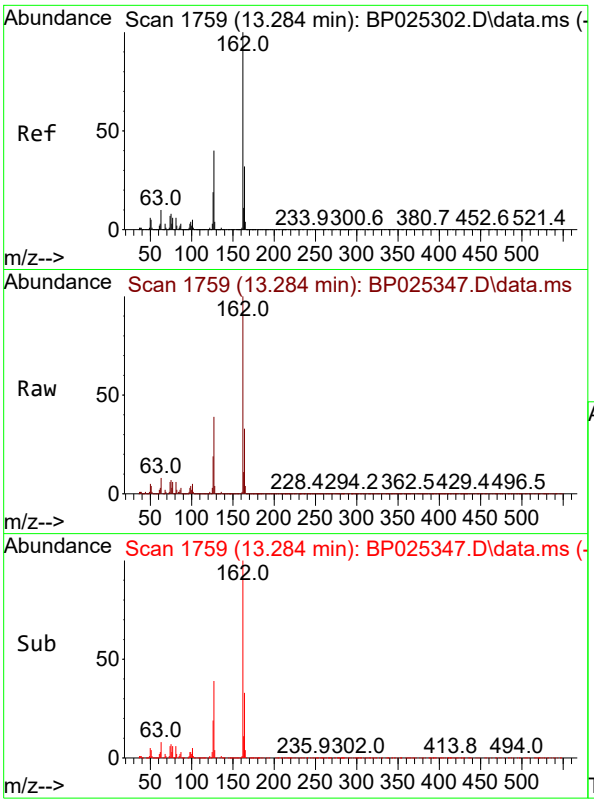


#46
1,1'-Biphenyl
Concen: 44.834 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:154 Resp: 1616143

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.9	59.9
76	12.1	0.0	33.2

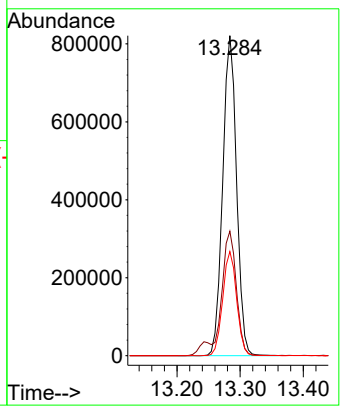




#47
2-Chloronaphthalene
Concen: 45.423 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:162 Resp: 124918

Ion	Ratio	Lower	Upper
162	100		
127	38.9	32.2	48.2
164	32.5	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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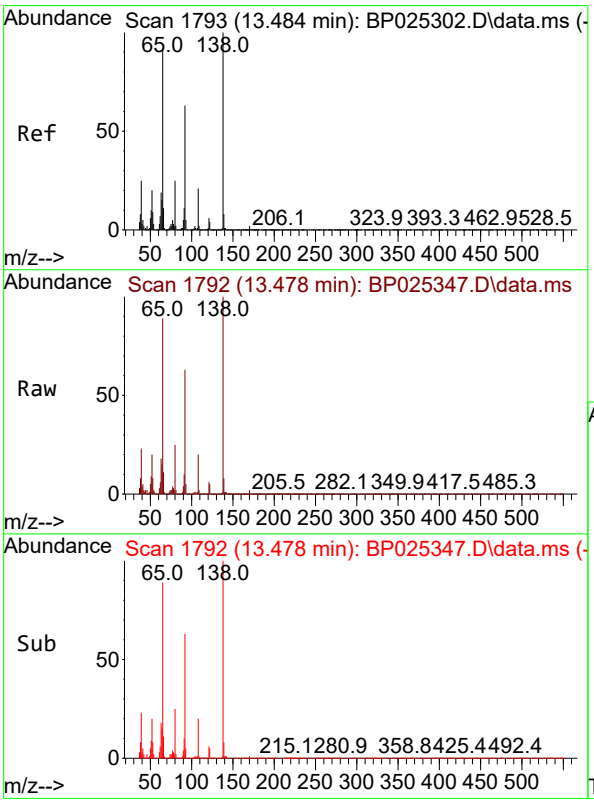
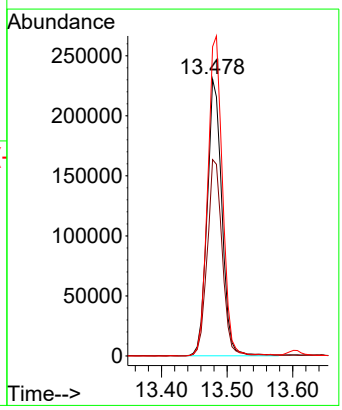
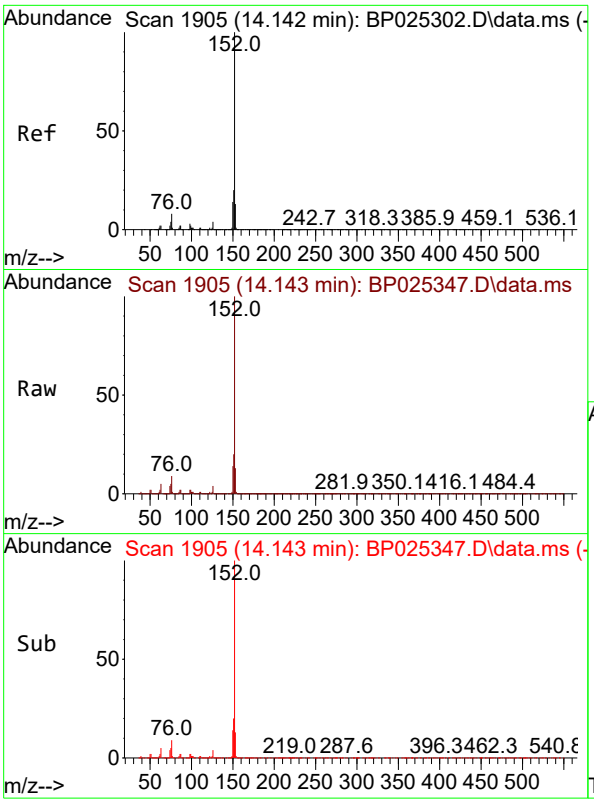


#48
2-Nitroaniline
Concen: 44.817 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 65 Resp: 359356

Ion	Ratio	Lower	Upper
65	100		
92	70.9	54.4	81.6
138	111.8	87.0	130.4

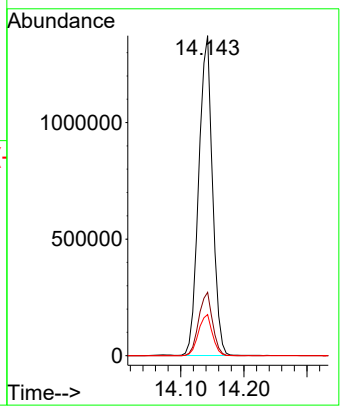




#49
Acenaphthylene
Concen: 45.215 ng
RT: 14.143 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:152 Resp: 207416

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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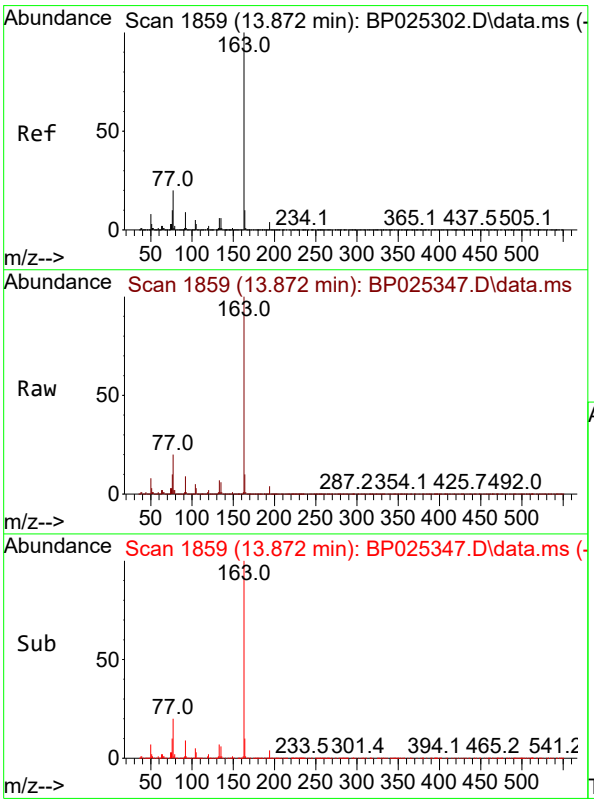
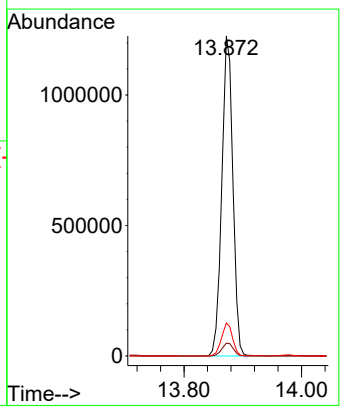
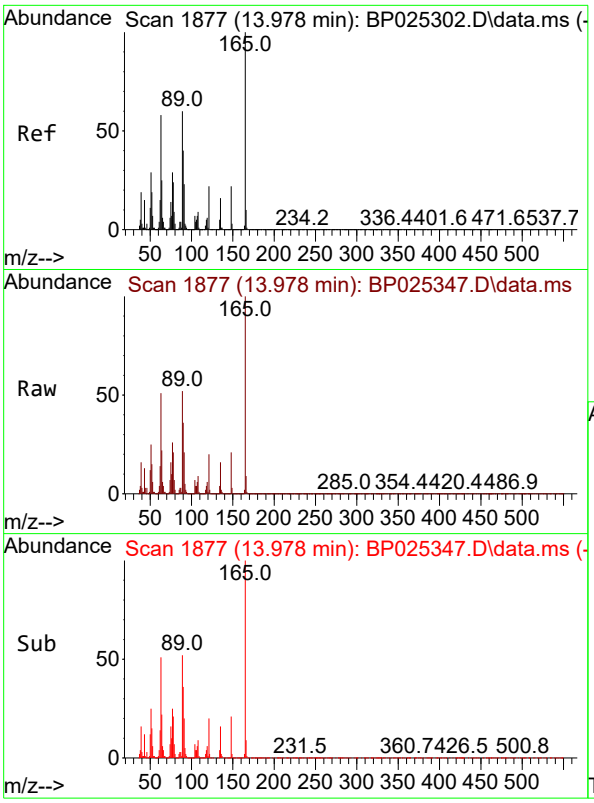


#50
Dimethylphthalate
Concen: 44.766 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:163 Resp: 1596246

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 51.279 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:165 Resp: 33727

Ion	Ratio	Lower	Upper
165	100		
63	51.0	47.6	71.4
89	52.0	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
TP-4MS

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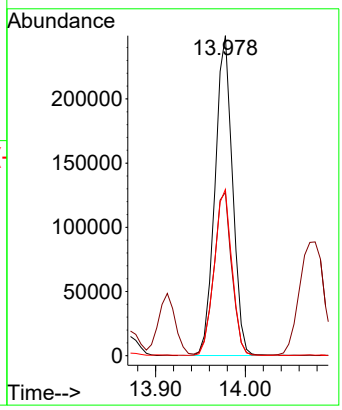
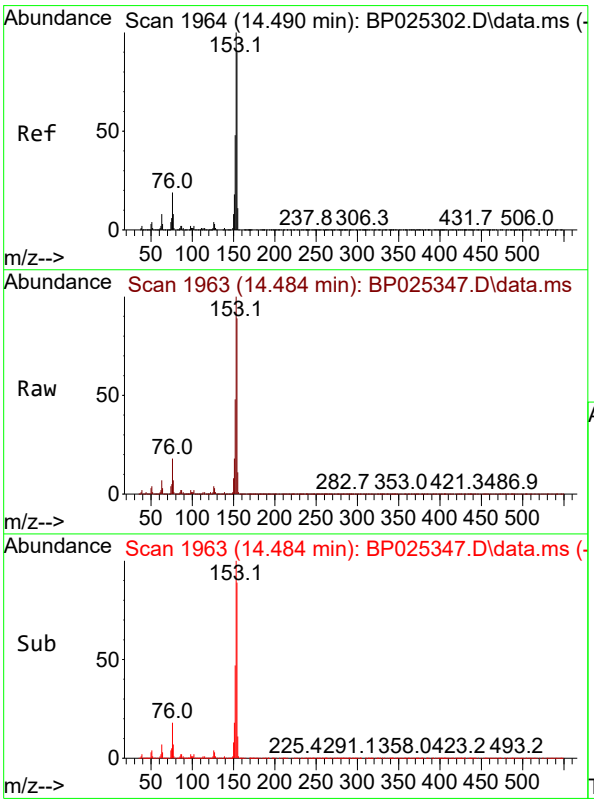
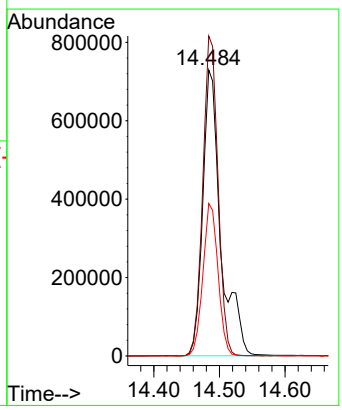


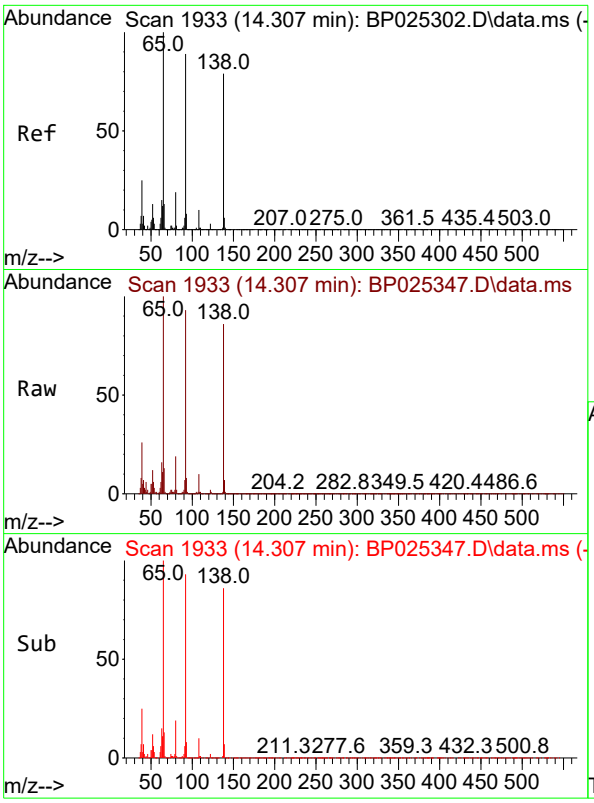


#52
Acenaphthene
Concen: 50.123 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:154 Resp: 1402509

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.4	134.0
152	53.3	43.0	64.6





#53
3-Nitroaniline
Concen: 19.809 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:138 Resp: 15245

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.5	15.7
92	108.1	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
TP-4MS

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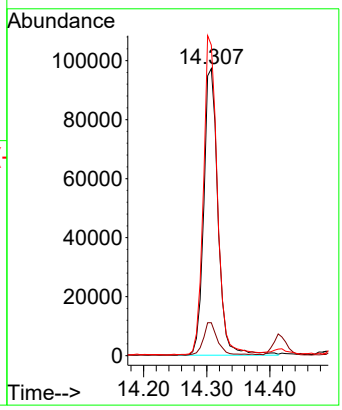
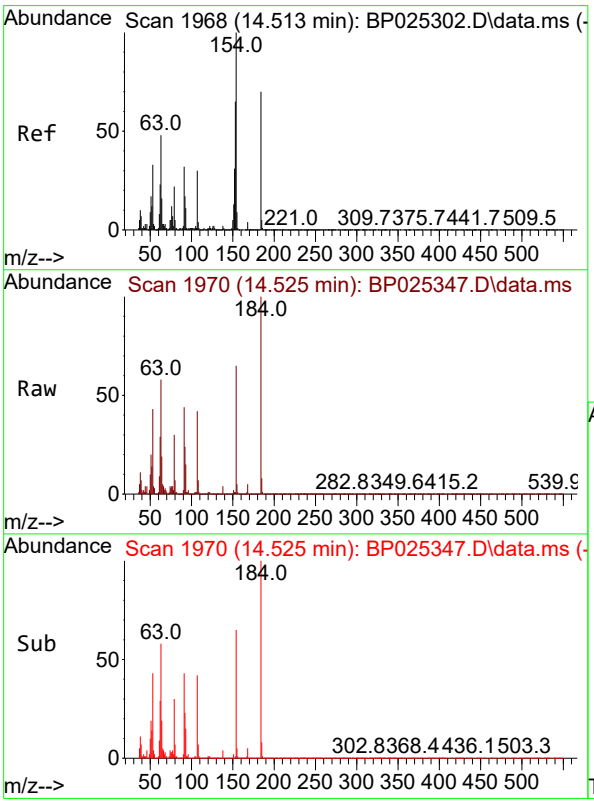
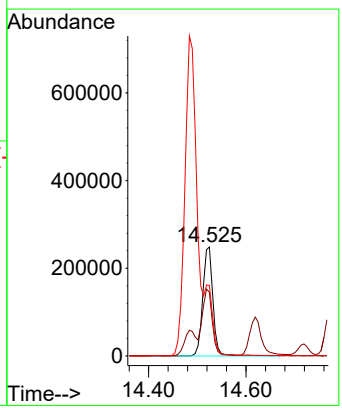


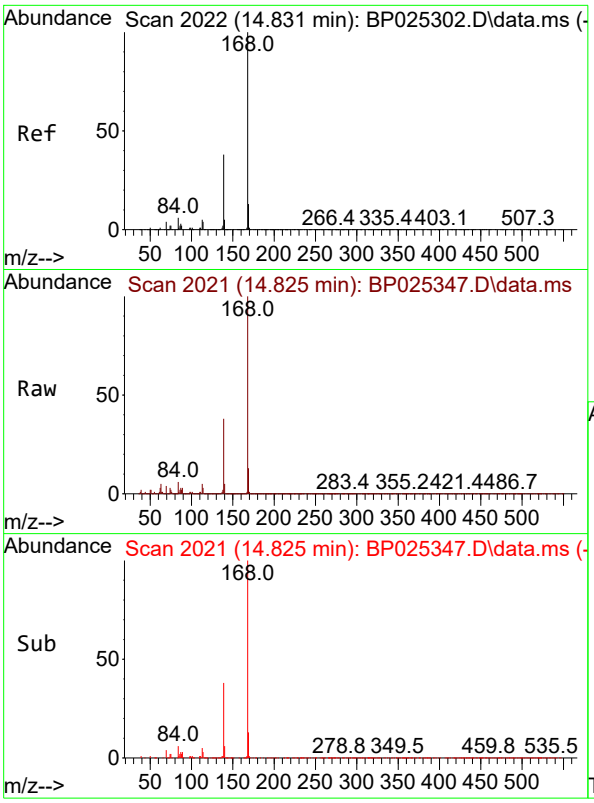


#54
2,4-Dinitrophenol
Concen: 90.781 ng
RT: 14.525 min Scan# 1970
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:184 Resp: 360563

Ion	Ratio	Lower	Upper
184	100		
63	58.5	56.3	84.5
154	64.8	124.5	186.7#

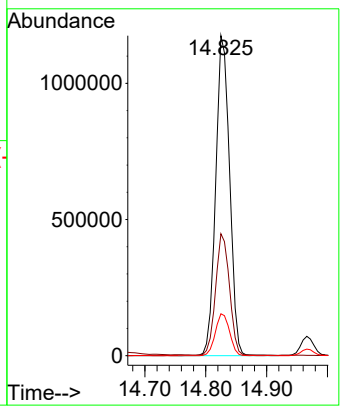




#55
Dibenzofuran
Concen: 44.644 ng
RT: 14.825 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:168 Resp: 186677

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7
169	13.1	10.6	15.8



Instrument :
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ClientSampleId :
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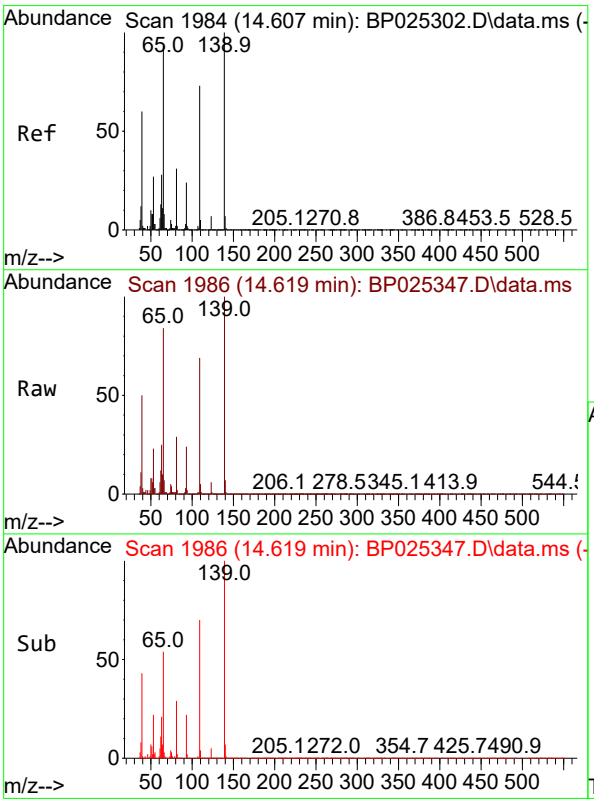
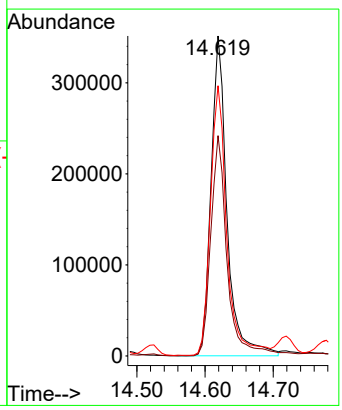
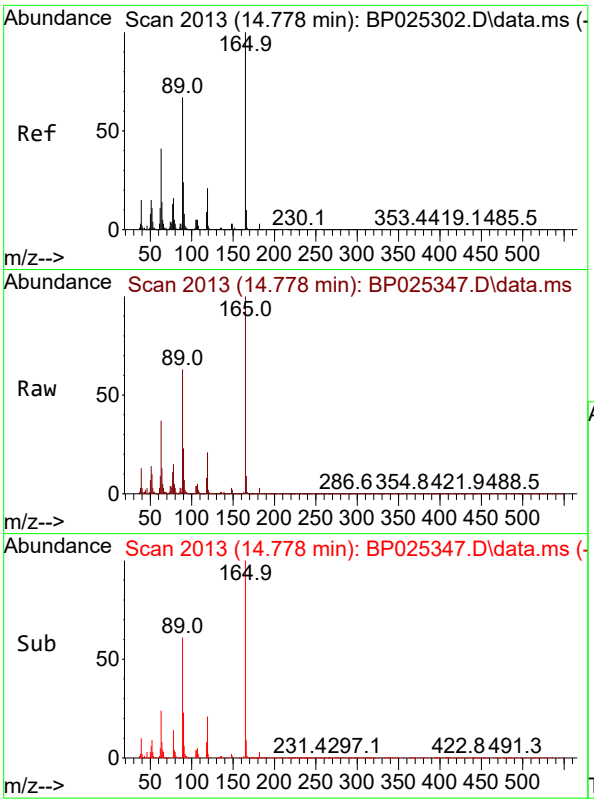


#56
4-Nitrophenol
Concen: 84.309 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:139 Resp: 572659

Ion	Ratio	Lower	Upper
139	100		
109	68.9	52.7	92.7
65	84.5	73.4	113.4

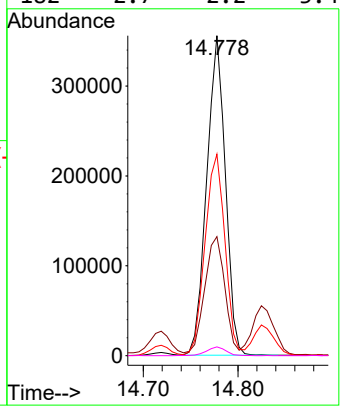




#57
2,4-Dinitrotoluene
Concen: 47.748 ng
RT: 14.778 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:165 Resp: 48664

Ion	Ratio	Lower	Upper
165	100		
63	37.2	33.2	49.8
89	63.0	53.5	80.3
182	2.7	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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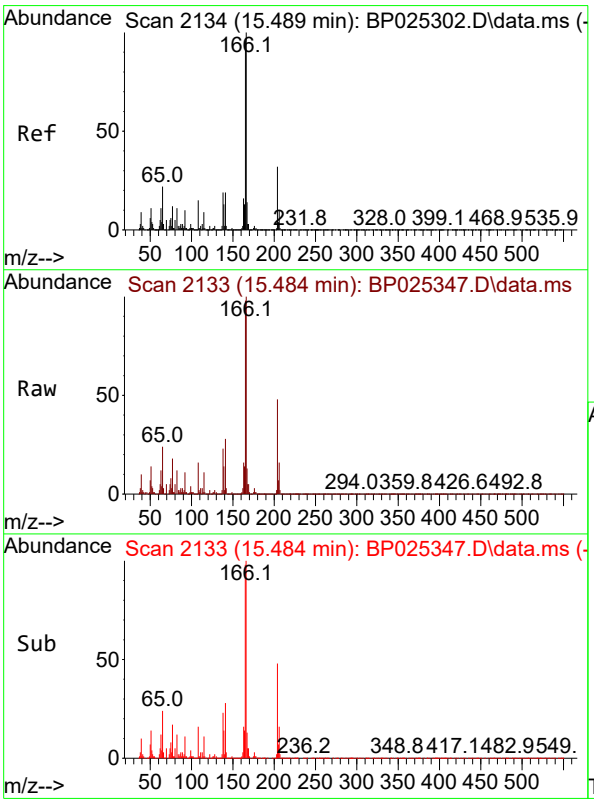
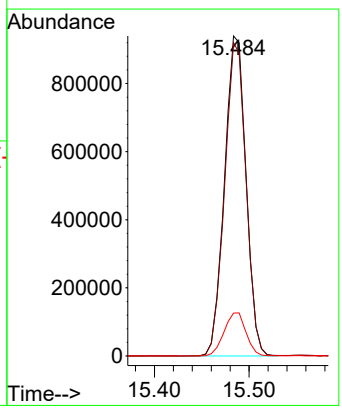
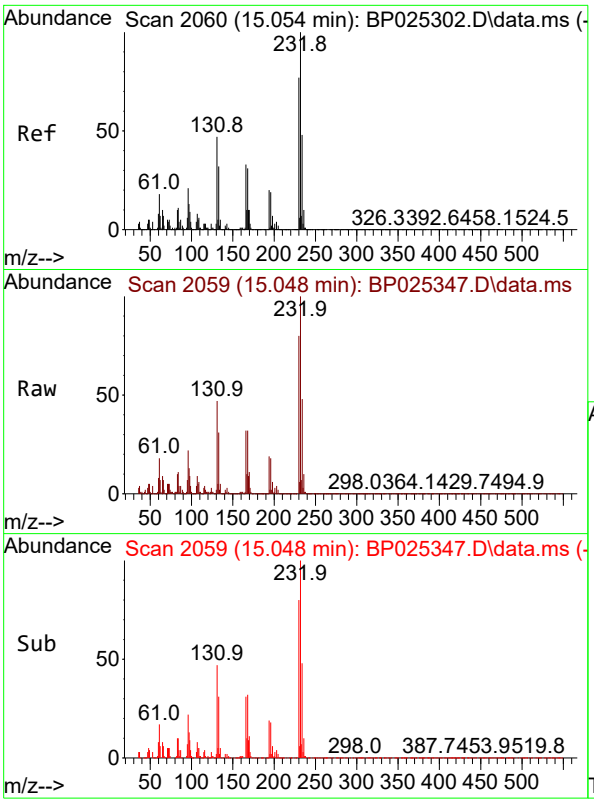


#58
Fluorene
Concen: 45.188 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:166 Resp: 1484036

Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.7	115.1
167	13.4	10.9	16.3

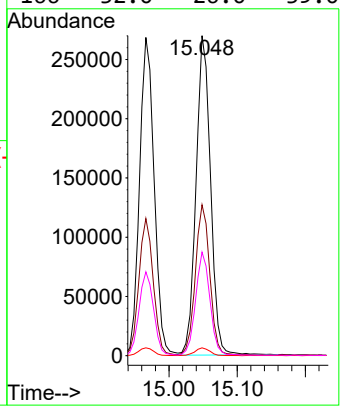




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.479 ng
RT: 15.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:232 Resp: 39997

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.3	58.9
130	2.6	2.2	3.2
166	32.0	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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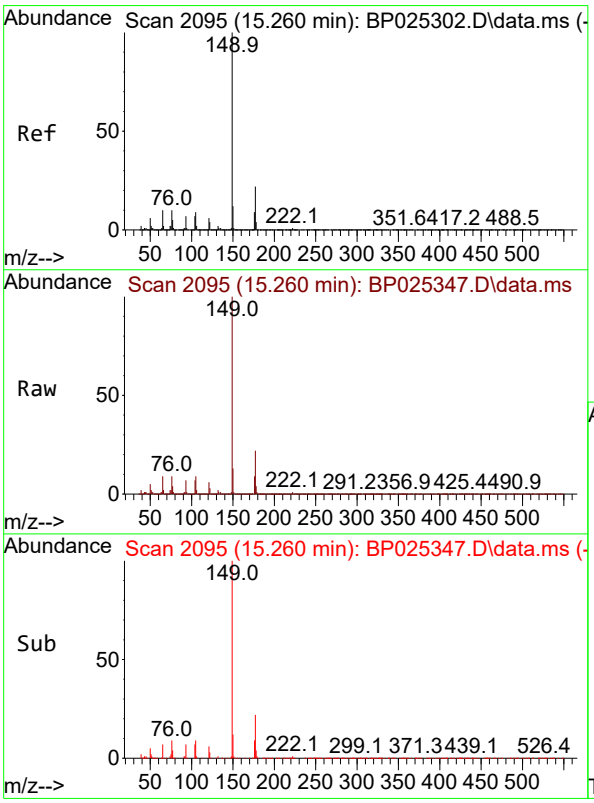
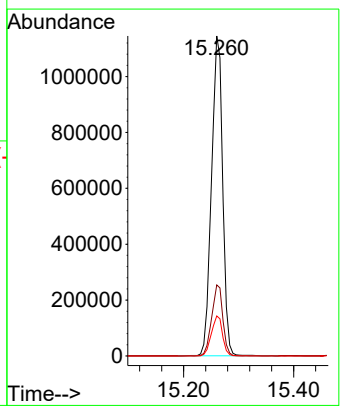
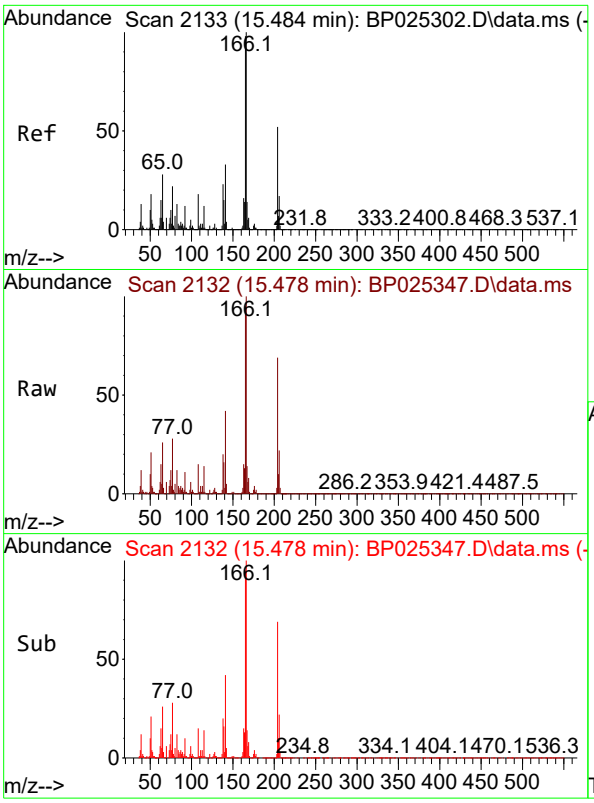


#60
Diethylphthalate
Concen: 44.895 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:149 Resp: 1613945

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.4	26.2
150	12.5	9.8	14.8

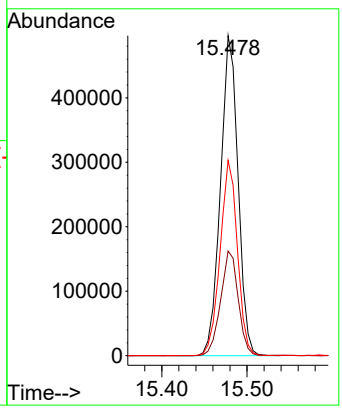




#61
4-Chlorophenyl-phenylether
Concen: 45.682 ng
RT: 15.478 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:204 Resp: 71124

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	61.0	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
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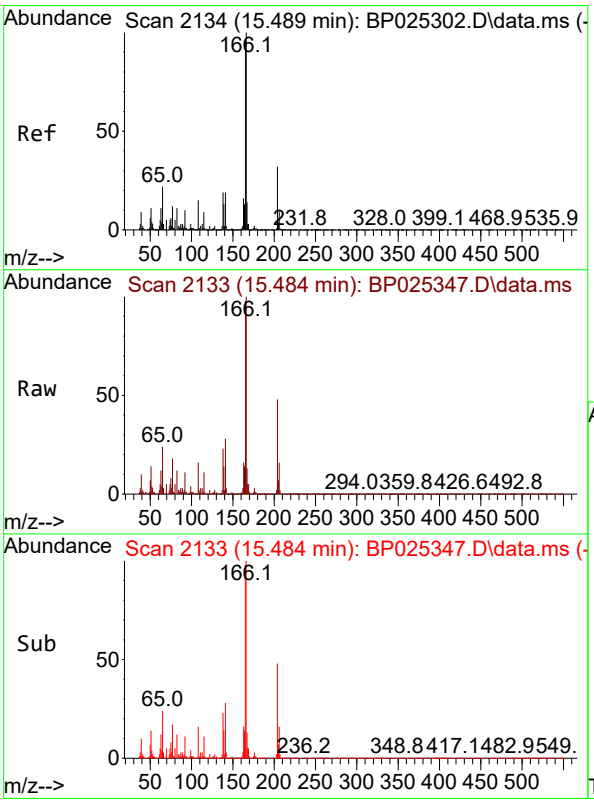
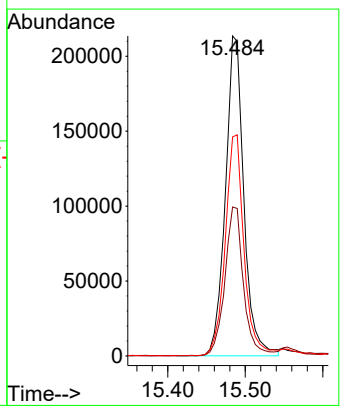
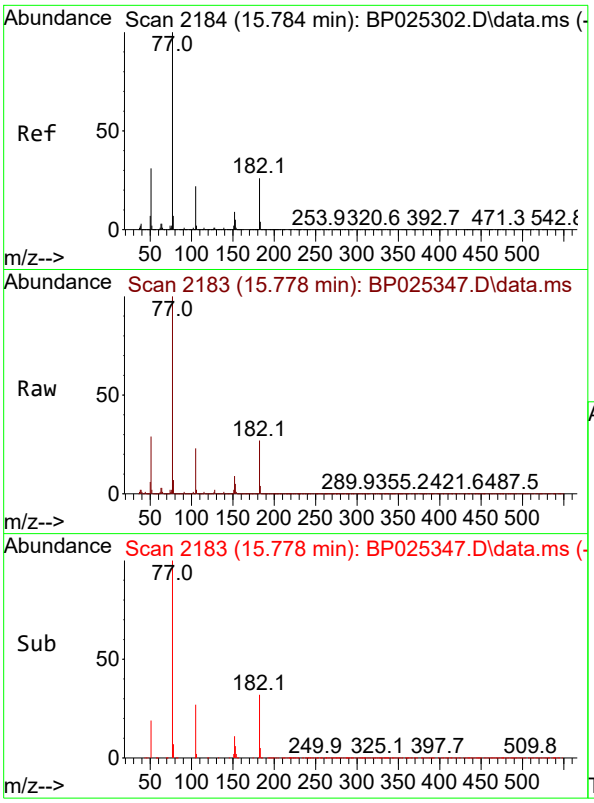


#62
4-Nitroaniline
Concen: 46.408 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:138 Resp: 353901

Ion	Ratio	Lower	Upper
138	100		
92	46.6	29.8	69.8
108	68.5	56.6	96.6

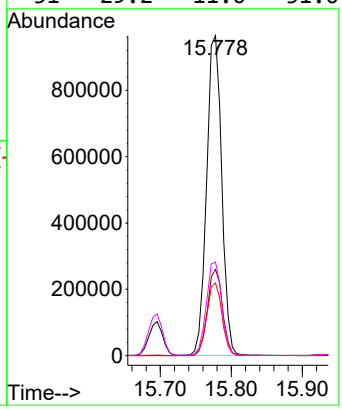




#63
Azobenzene
Concen: 42.741 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion: 77 Resp: 142741

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.0	46.0
105	22.7	2.1	42.1
51	29.2	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
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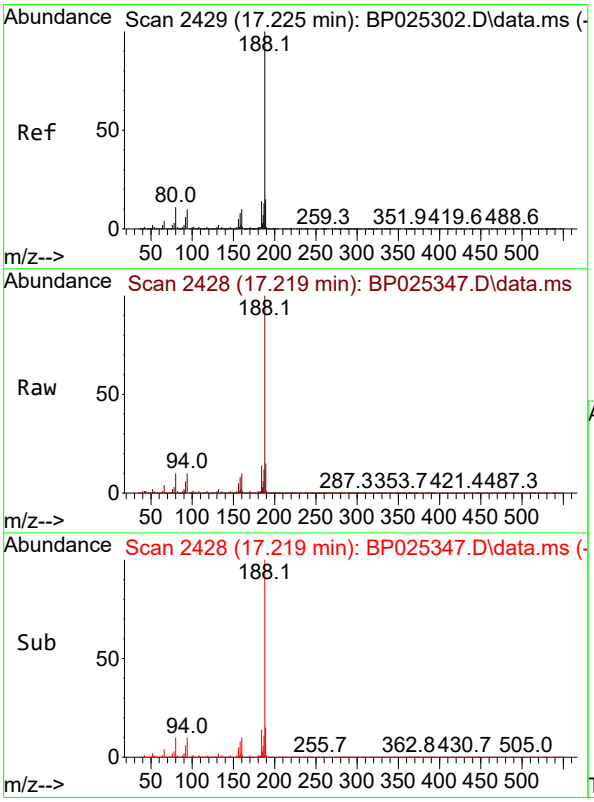
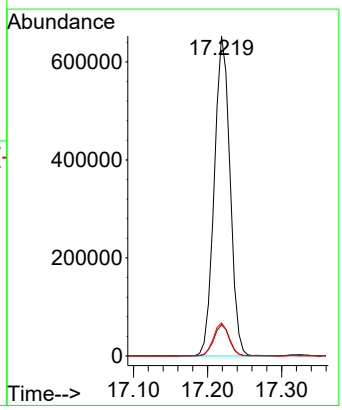
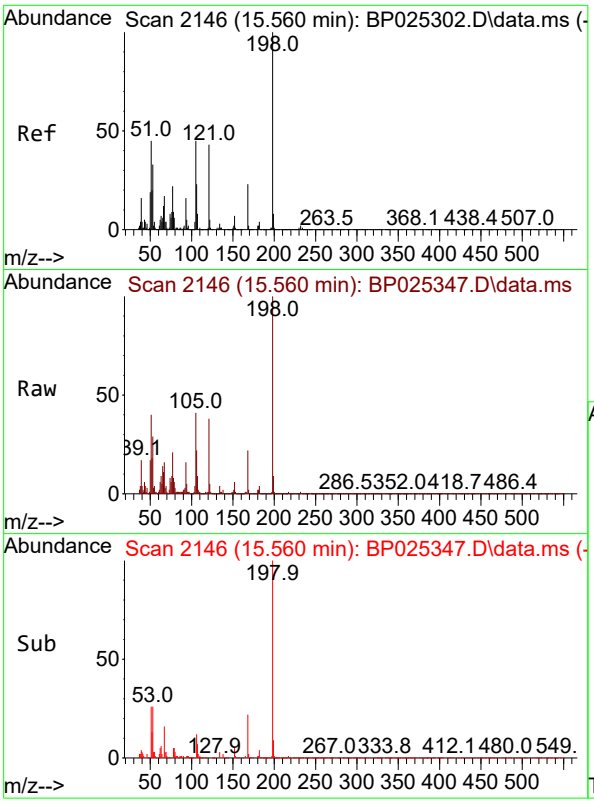


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:188 Resp: 963190

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.4	8.5	12.7

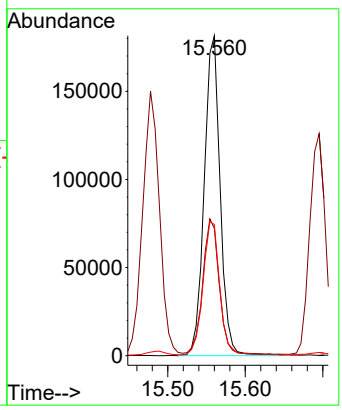




#65
4,6-Dinitro-2-methylphenol
Concen: 56.726 ng
RT: 15.560 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:198 Resp: 25856

Ion	Ratio	Lower	Upper
198	100		
51	39.8	26.7	66.7
105	41.0	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
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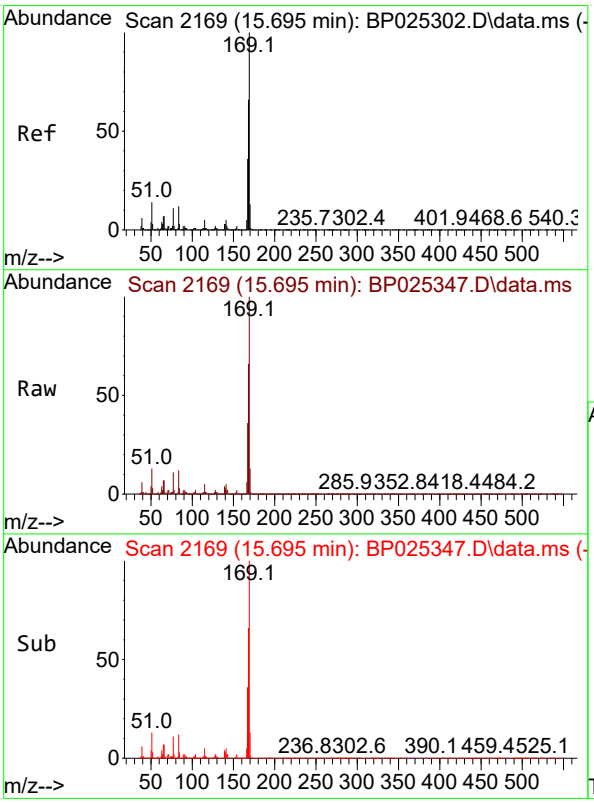
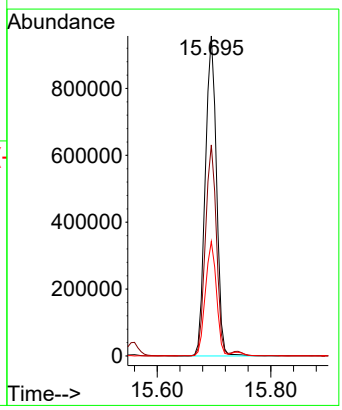
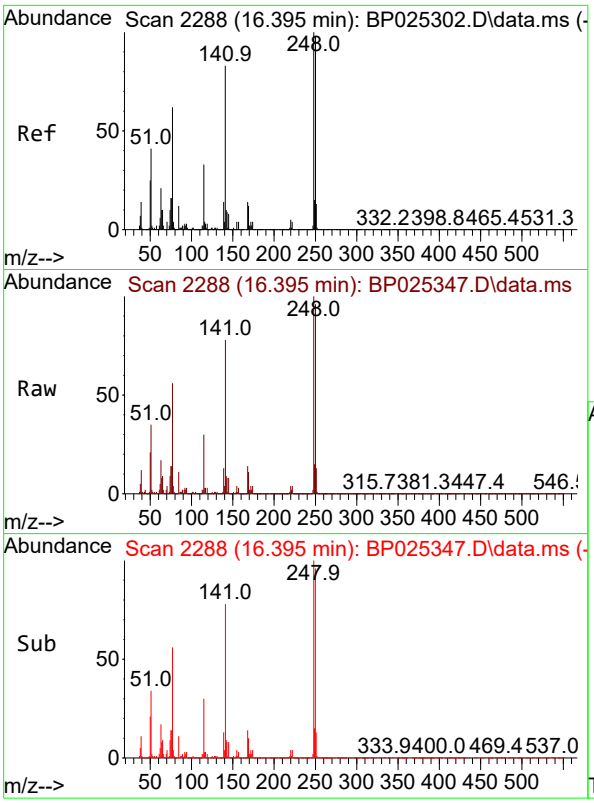


#66
n-Nitrosodiphenylamine
Concen: 44.420 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:169 Resp: 1302721

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.8	79.2
167	35.7	28.5	42.7

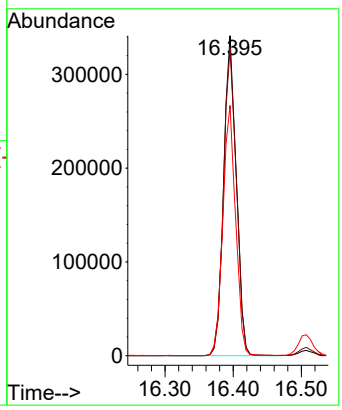




#67
4-Bromophenyl-phenylether
Concen: 45.428 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:248 Resp: 44026

Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.6	117.8
141	78.2	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
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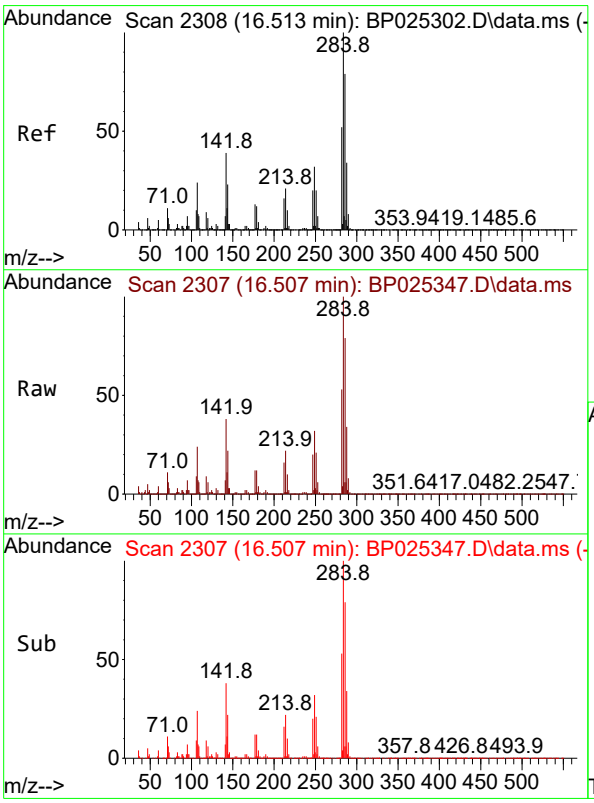
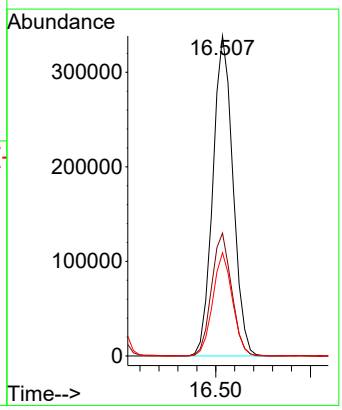
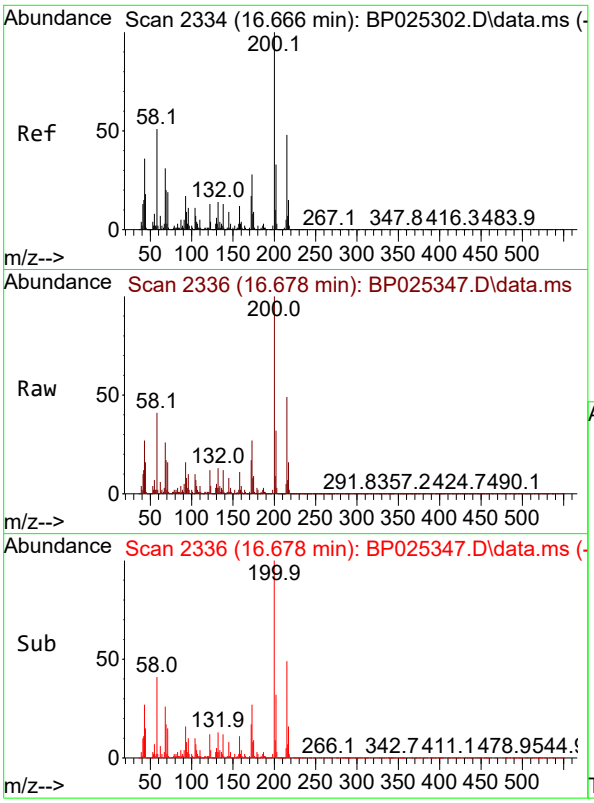


#68
Hexachlorobenzene
Concen: 45.967 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:284 Resp: 499860

Ion	Ratio	Lower	Upper
284	100		
142	38.4	30.8	46.2
249	32.3	25.4	38.0

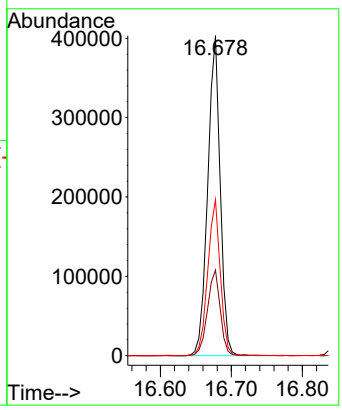




#69
Atrazine
Concen: 47.872 ng
RT: 16.678 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:200 Resp: 49373

Ion	Ratio	Lower	Upper
200	100		
173	26.7	8.2	48.2
215	48.7	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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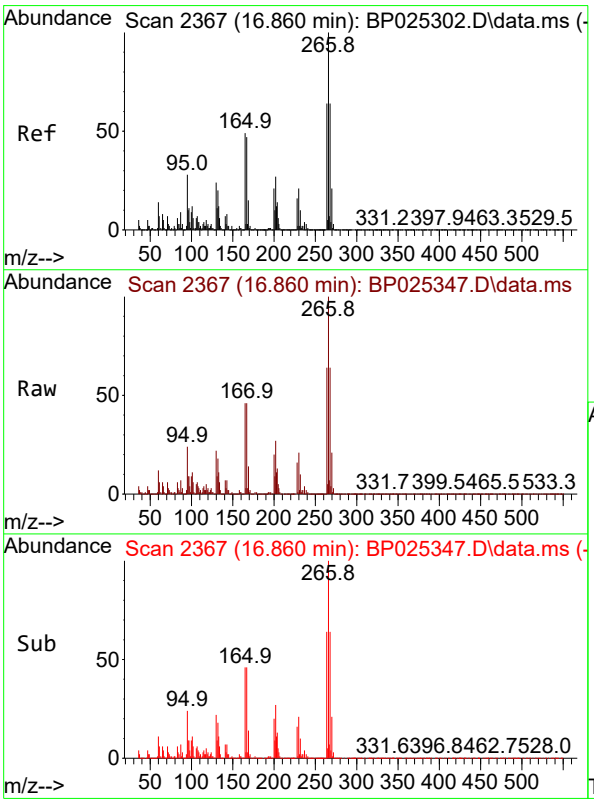
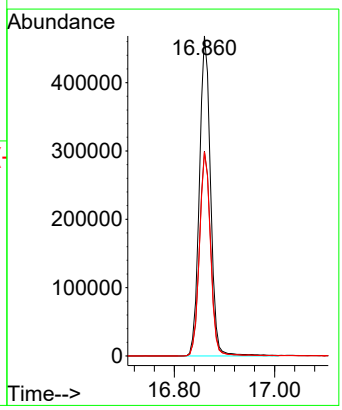
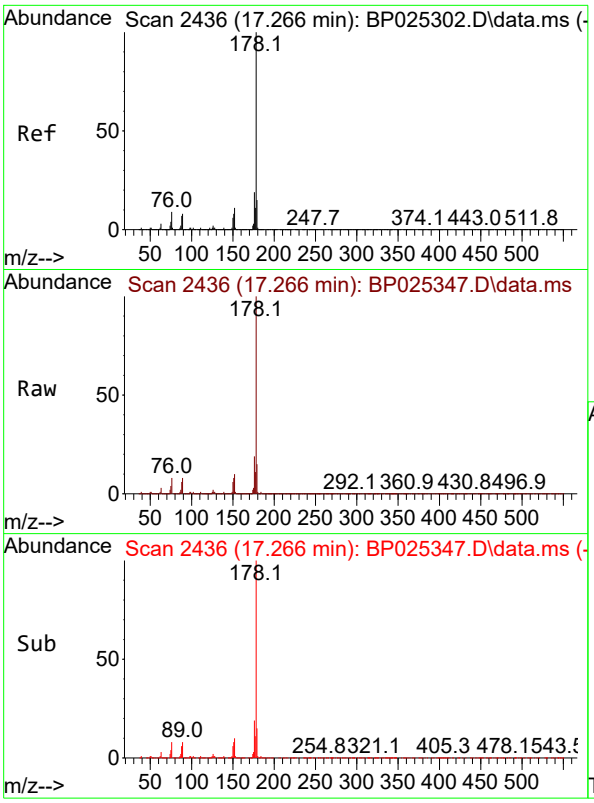


#70
Pentachlorophenol
Concen: 104.533 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:266 Resp: 724213

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.0
264	63.8	51.1	76.7

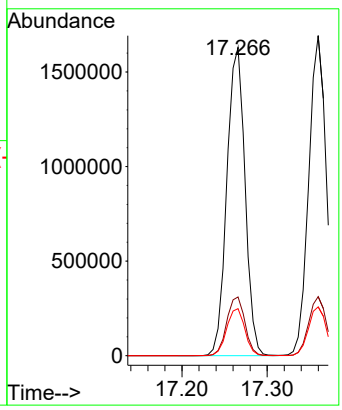




#71
Phenanthrene
Concen: 45.711 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:178 Resp: 241148

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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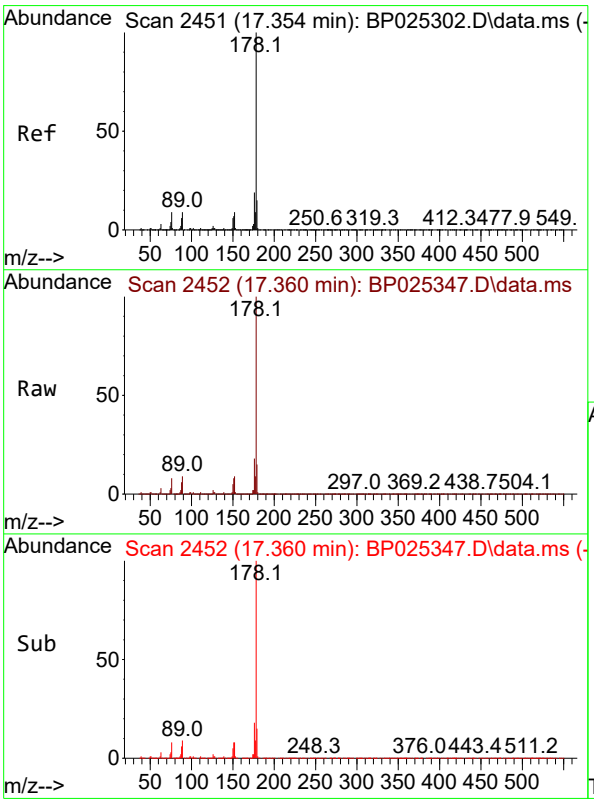
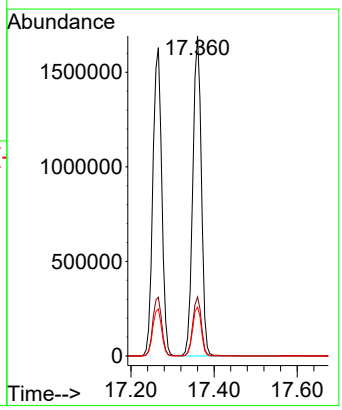
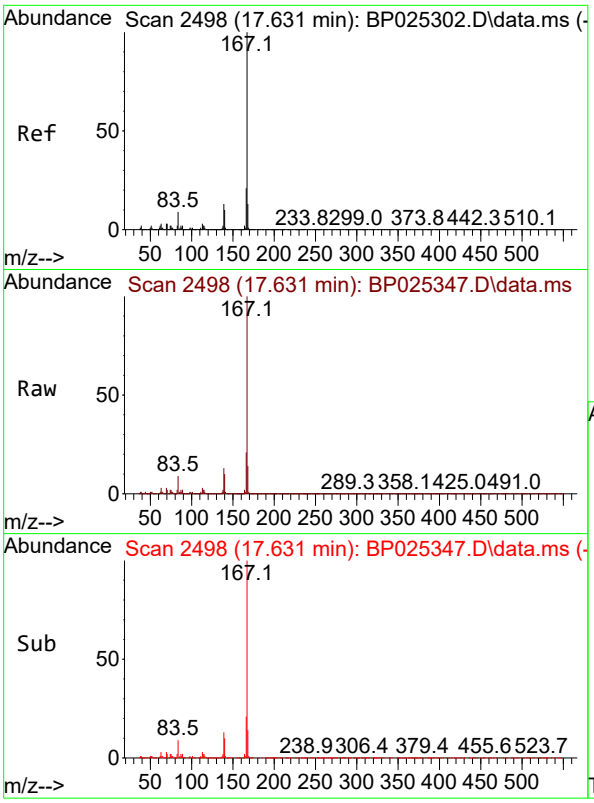


#72
Anthracene
Concen: 45.520 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:178 Resp: 2421360

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.3	12.3	18.5

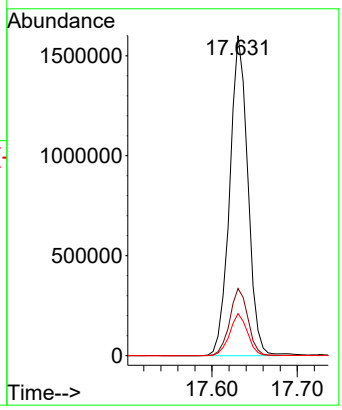




#73
Carbazole
Concen: 46.181 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:167 Resp: 235802

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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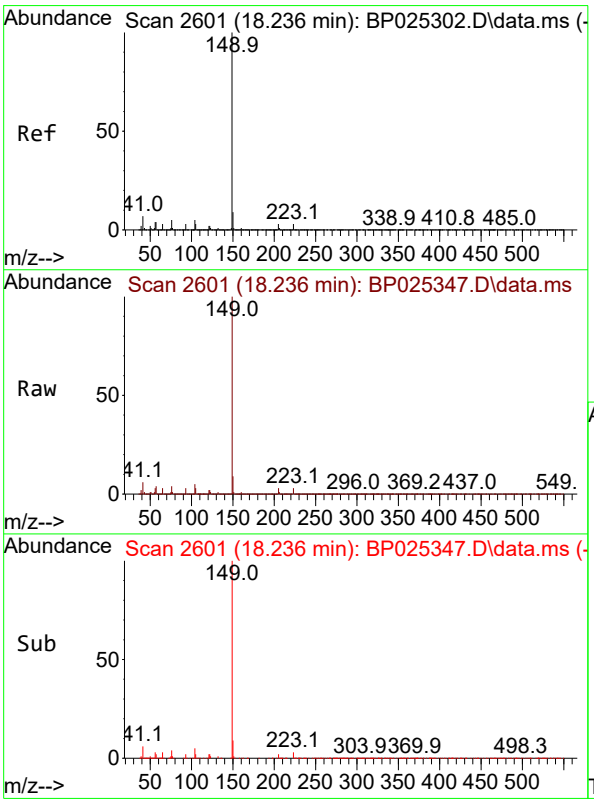
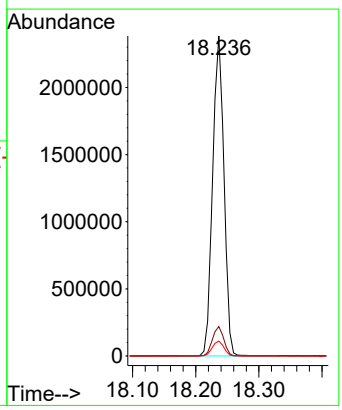
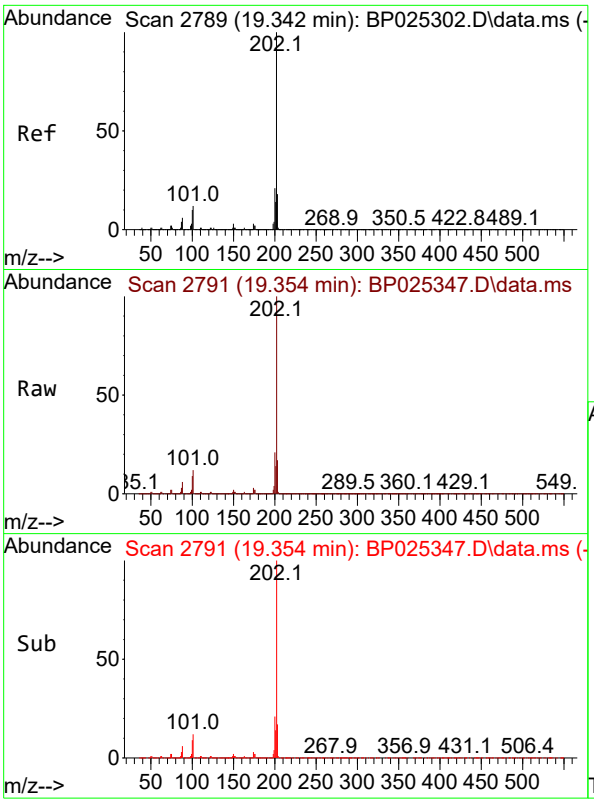


#74
Di-n-butylphthalate
Concen: 47.954 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:149 Resp: 2962245

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.6	4.1	6.1

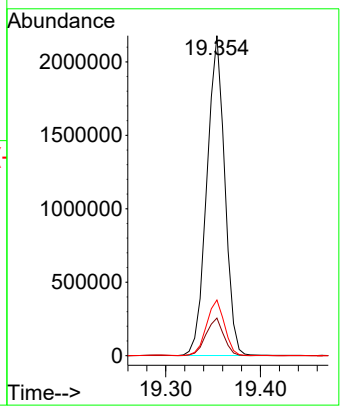




#75
Fluoranthene
Concen: 46.676 ng
RT: 19.354 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:202 Resp: 285054

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	17.4	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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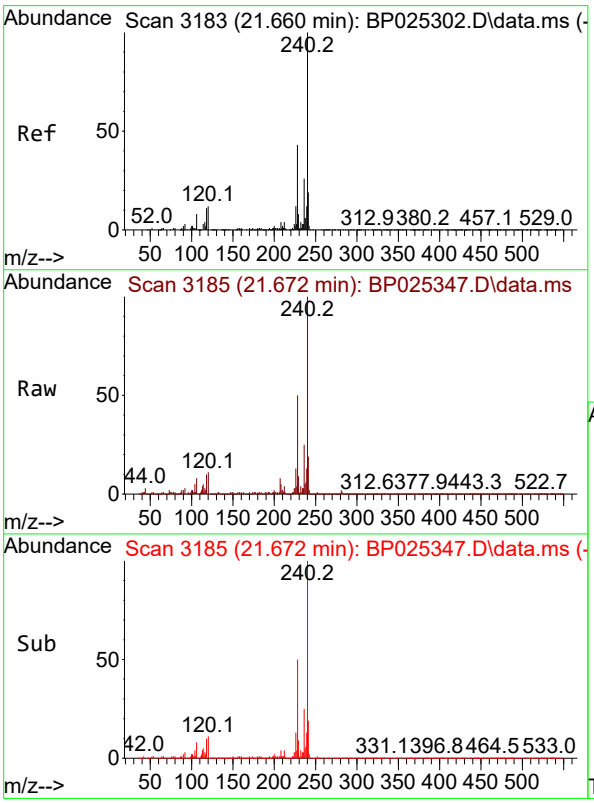
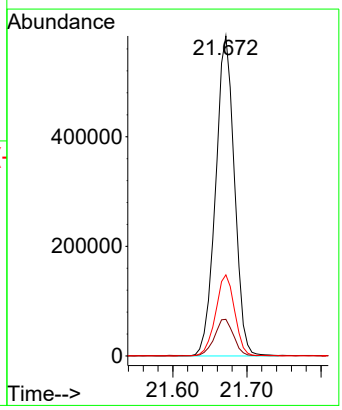
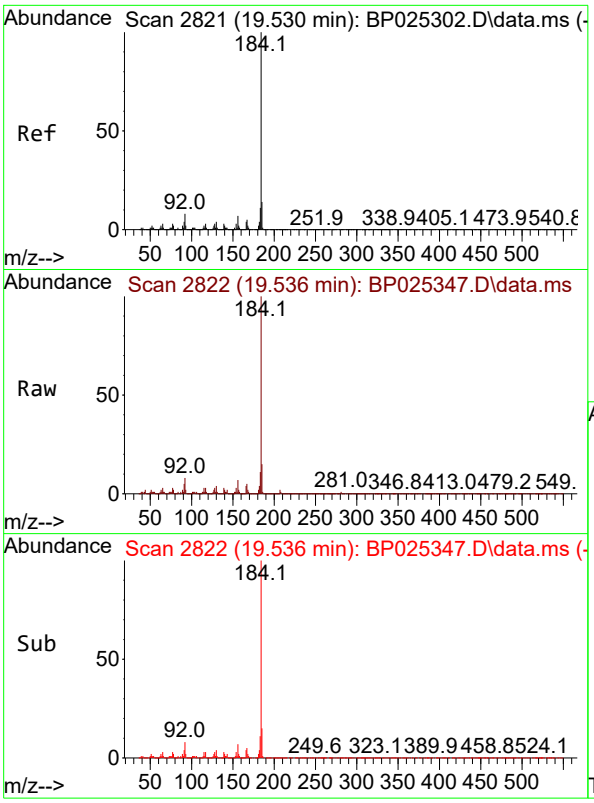


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:240 Resp: 1028742

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	25.3	20.4	30.6

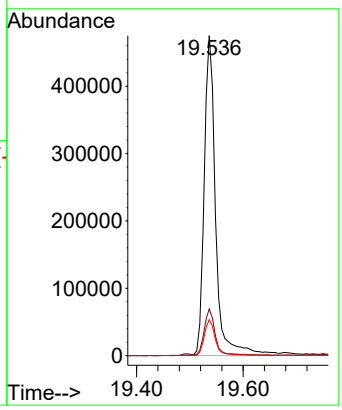




#77
Benzidine
Concen: 18.989 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:184 Resp: 70706

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.0	16.6
183	11.2	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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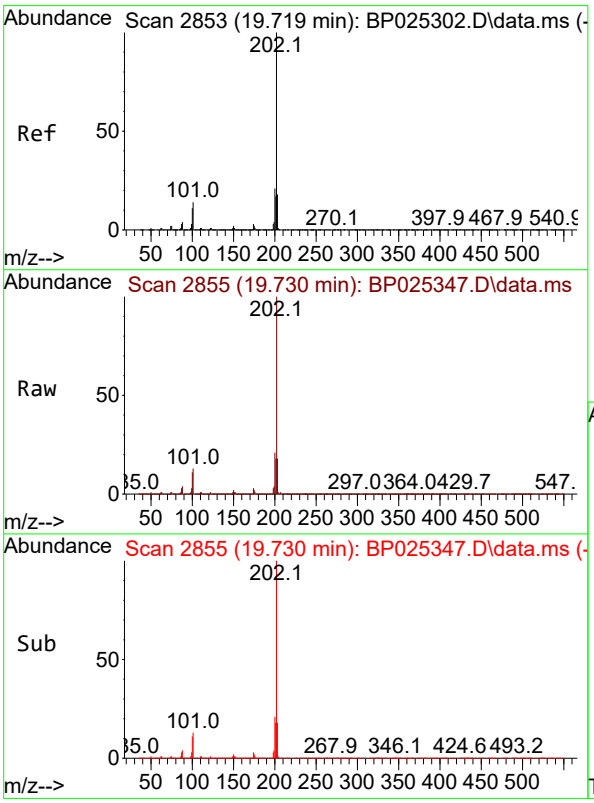
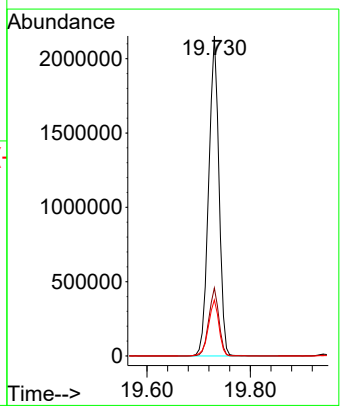
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

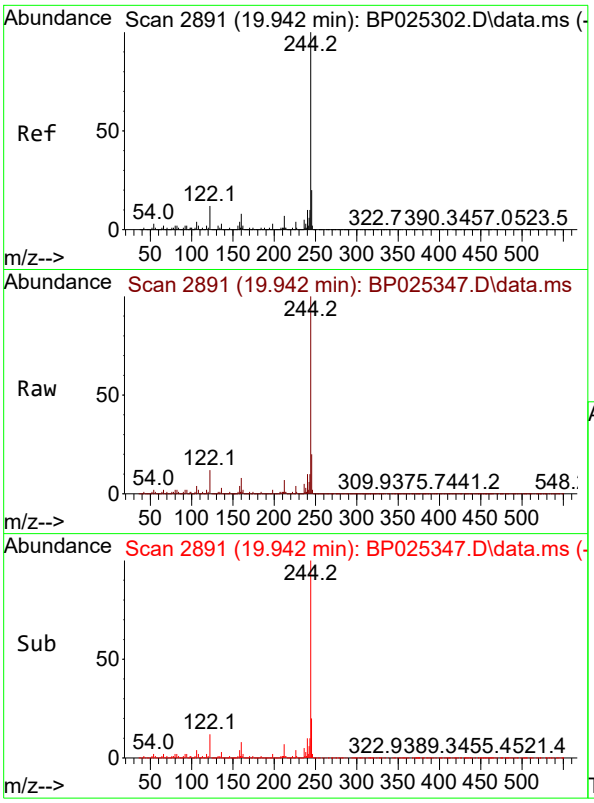


#78
Pyrene
Concen: 43.474 ng
RT: 19.730 min Scan# 2855
Delta R.T. 0.011 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:202 Resp: 2973995

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.5	14.1	21.1

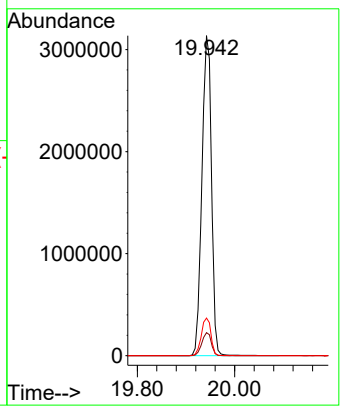




#79
Terphenyl-d14
Concen: 78.347 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:244 Resp: 426725

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.7	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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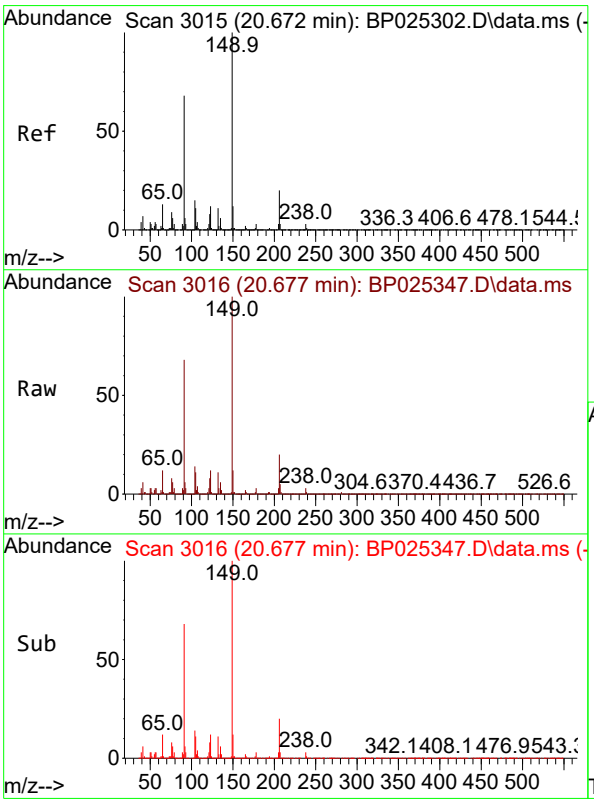
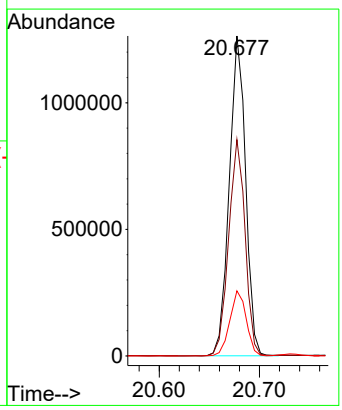
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

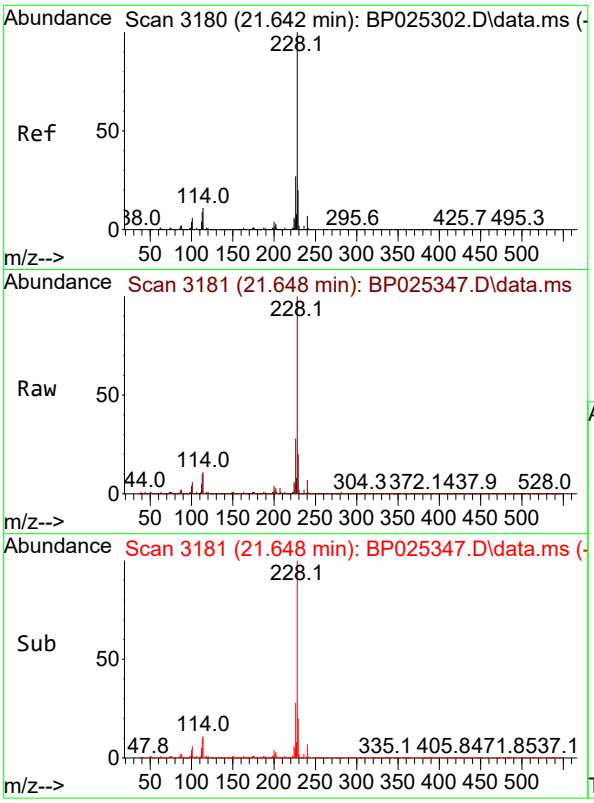


#80
Butylbenzylphthalate
Concen: 51.478 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:149 Resp: 1428226

Ion	Ratio	Lower	Upper
149	100		
91	67.6	54.7	82.1
206	20.4	16.4	24.6

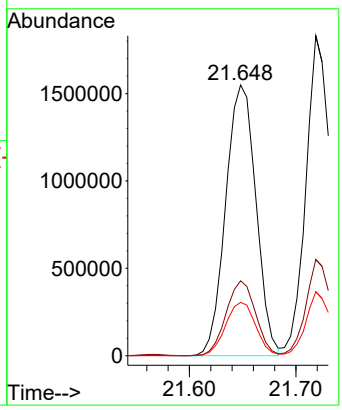




#81
Benzo(a)anthracene
Concen: 44.805 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:228 Resp: 306299

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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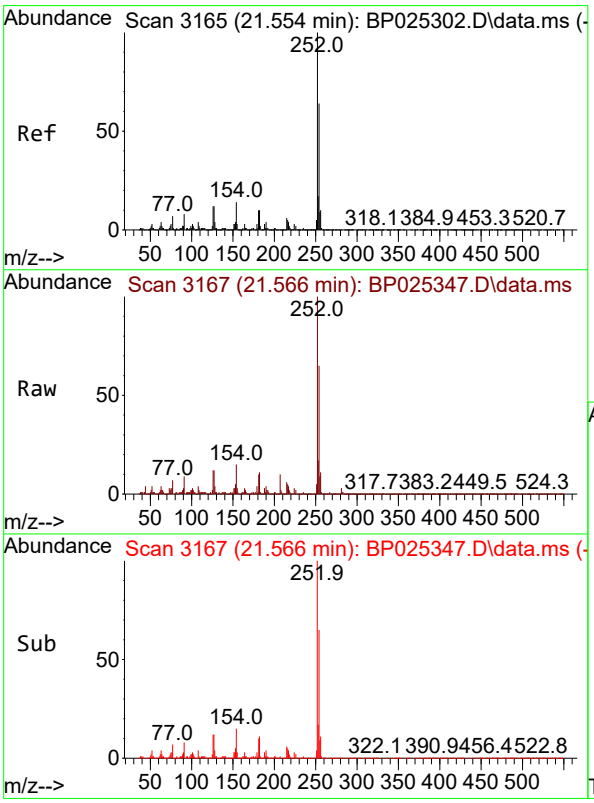
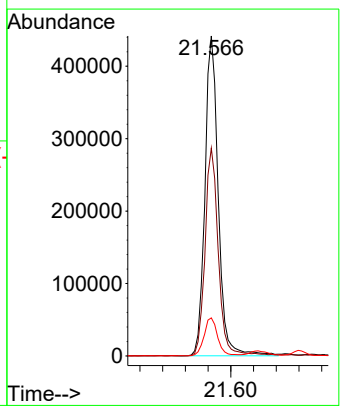
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

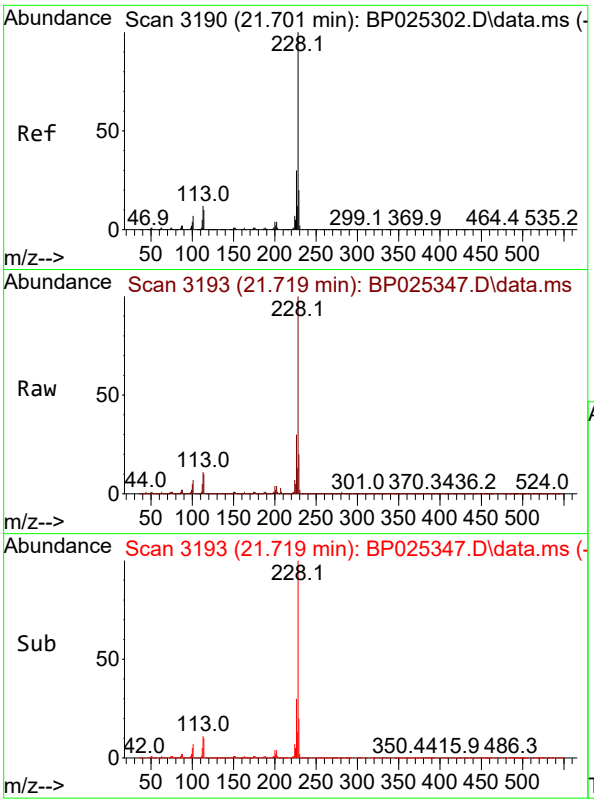


#82
3,3'-Dichlorobenzidine
Concen: 29.779 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:252 Resp: 718263

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	11.9	9.4	14.2

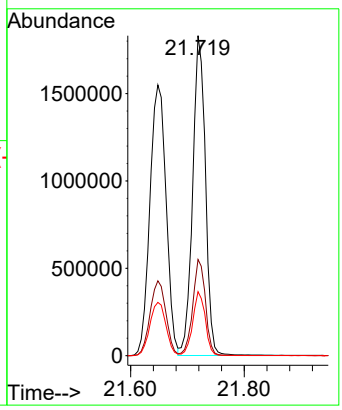




#83
Chrysene
Concen: 45.272 ng
RT: 21.719 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:228 Resp: 287057

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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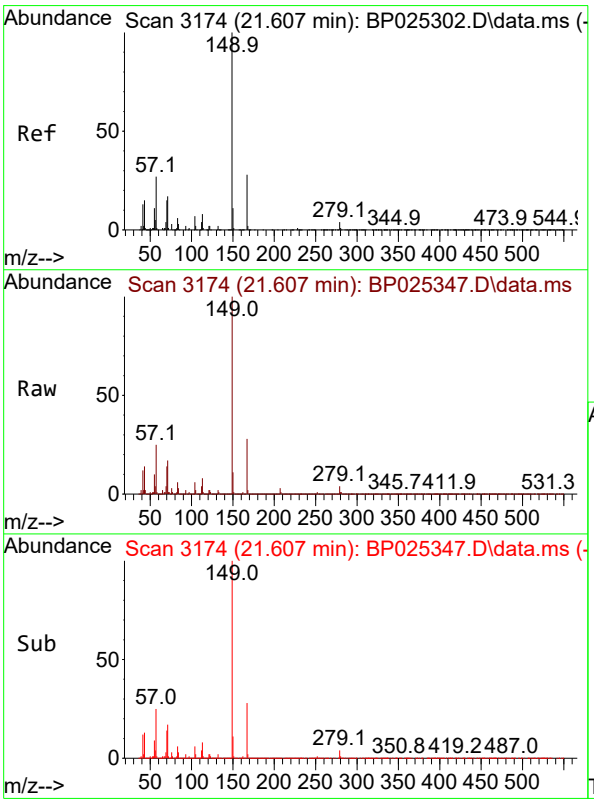
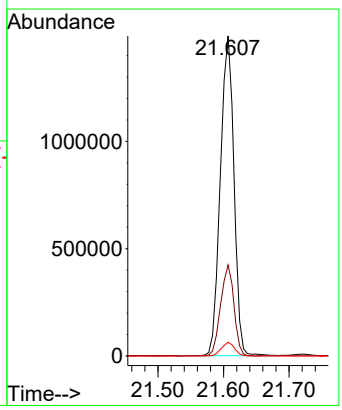
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

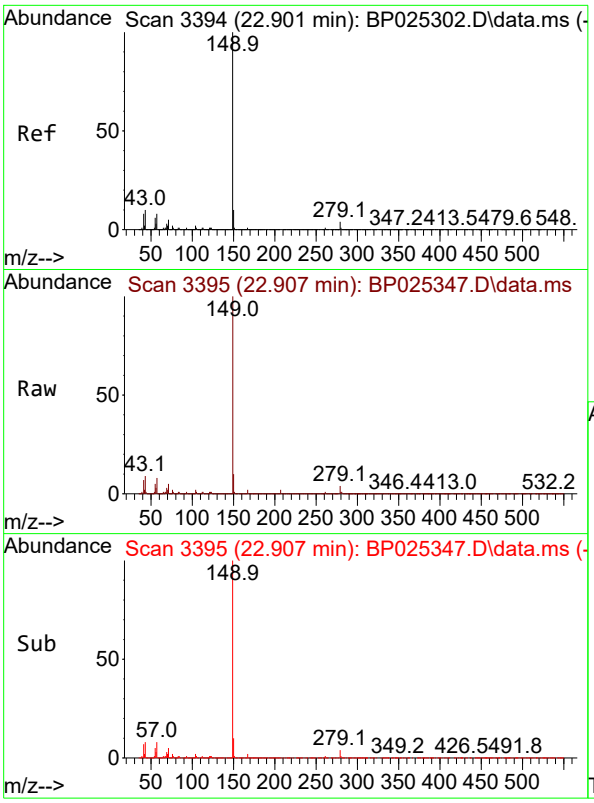


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.321 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:149 Resp: 2140669

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.1	33.1
279	4.3	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 50.808 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:149 Resp: 376756

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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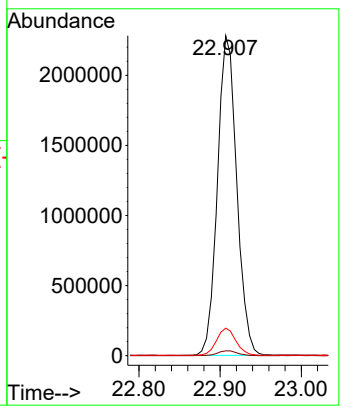
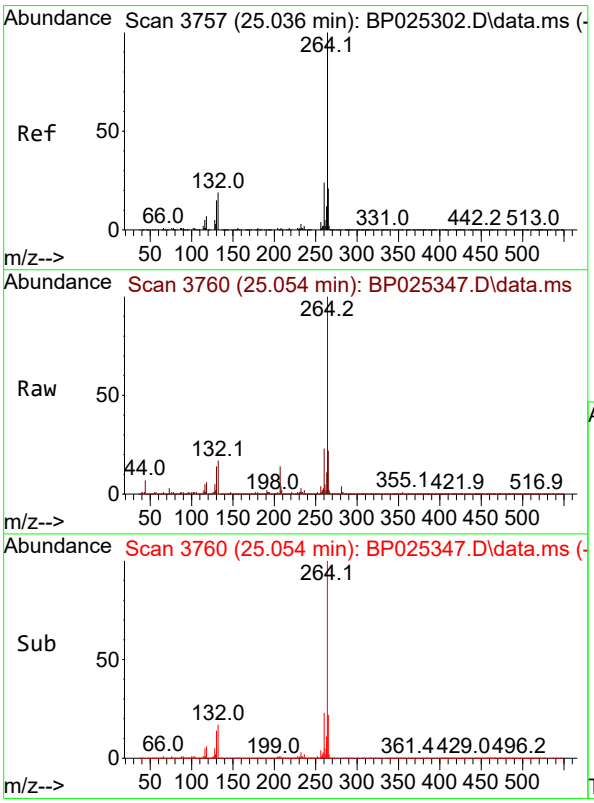
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

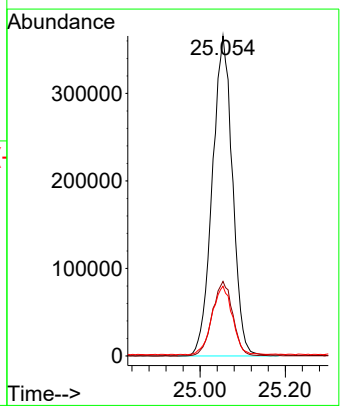


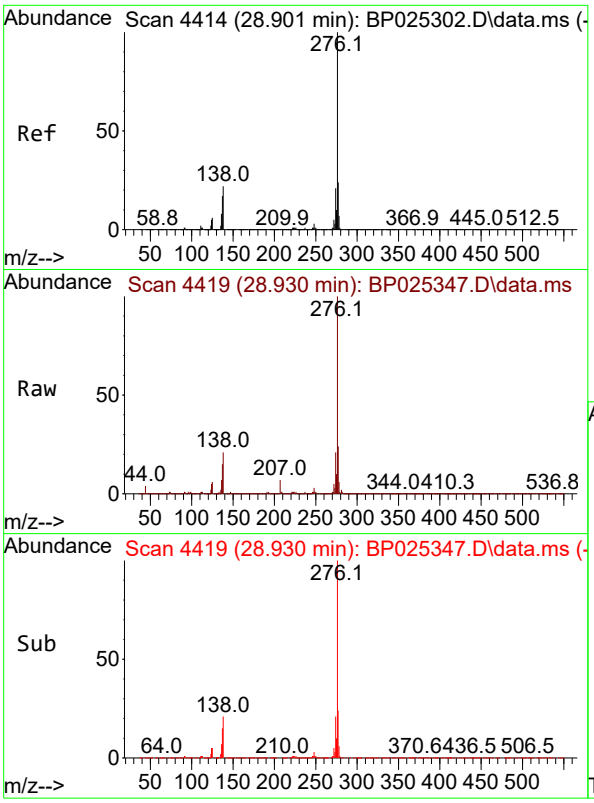


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.054 min Scan# 3760
Delta R.T. 0.018 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:264 Resp: 1199045

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.1	25.7

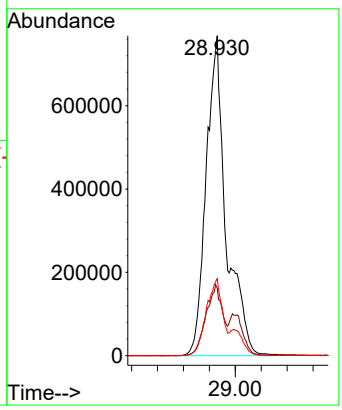




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.791 ng m
RT: 28.930 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:276 Resp: 410730

Ion	Ratio	Lower	Upper
276	100		
138	18.7	14.6	22.0
277	19.6	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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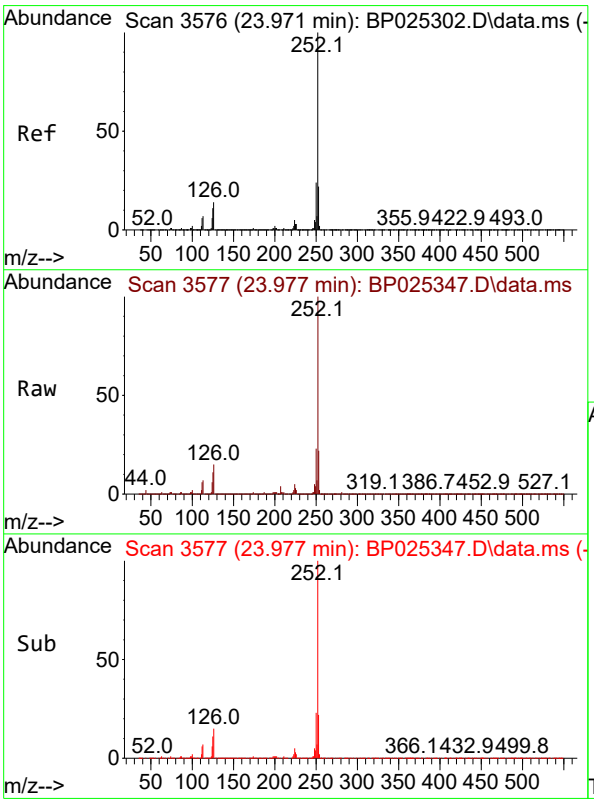
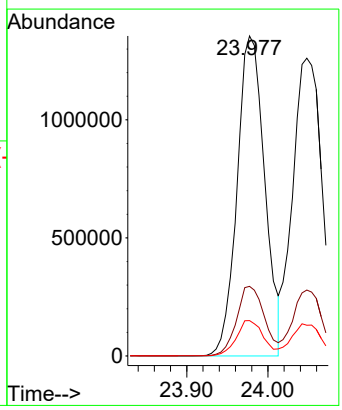
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

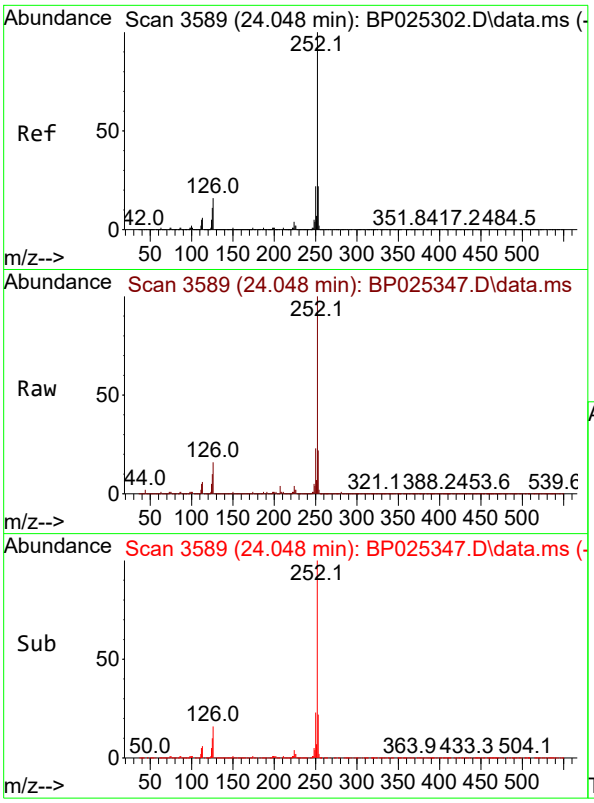


#88
Benzo(b)fluoranthene
Concen: 44.663 ng
RT: 23.977 min Scan# 3577
Delta R.T. 0.006 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:252 Resp: 3205754

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.0	8.5	12.7

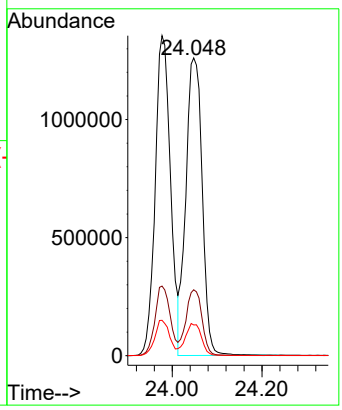




#89
Benzo(k)fluoranthene
Concen: 44.688 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:252 Resp: 317972

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
TP-4MS

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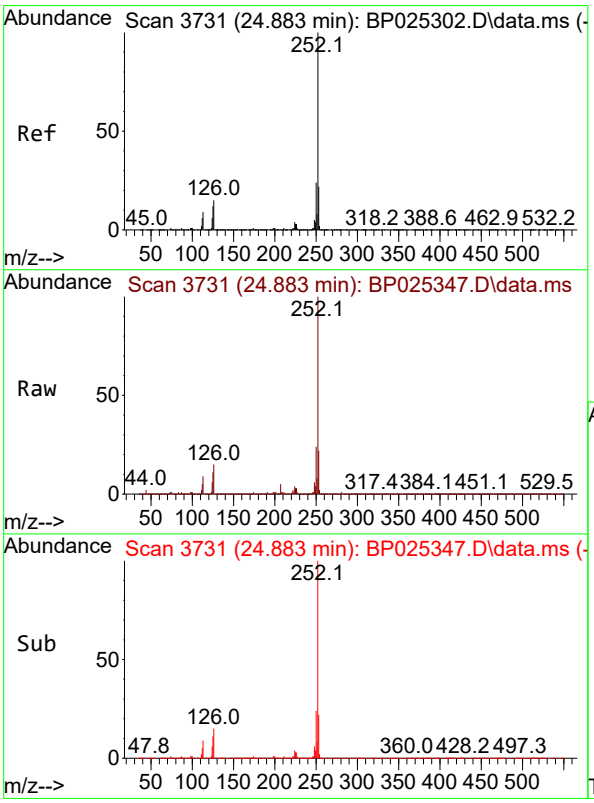
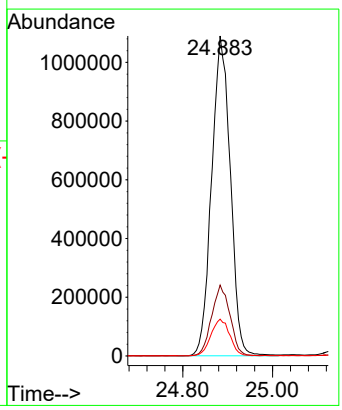
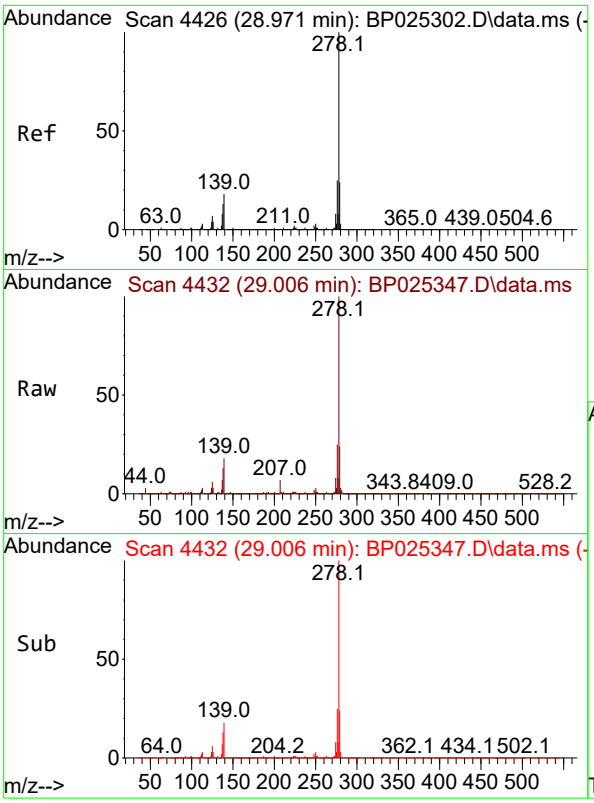


#90
Benzo(a)pyrene
Concen: 45.623 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:252 Resp: 3153593

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.5	9.4	14.0

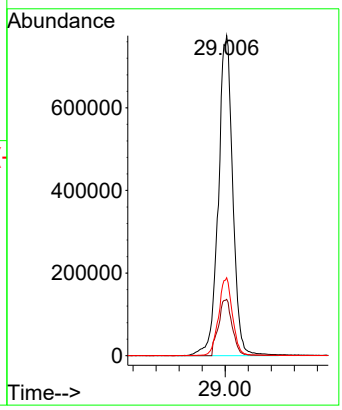




#91
Dibenzo(a,h)anthracene
Concen: 47.802 ng
RT: 29.006 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:278 Resp: 336460

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.6	22.0
279	24.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
TP-4MS

Manual Integrations
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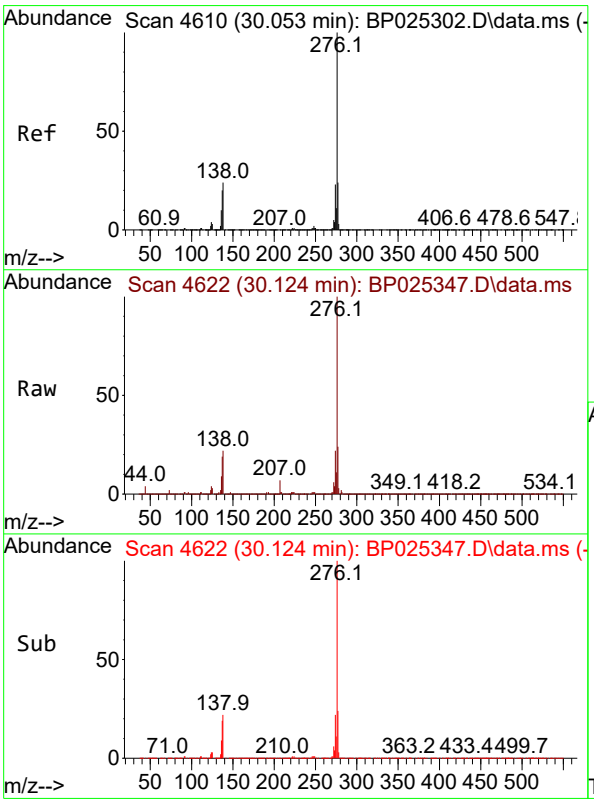
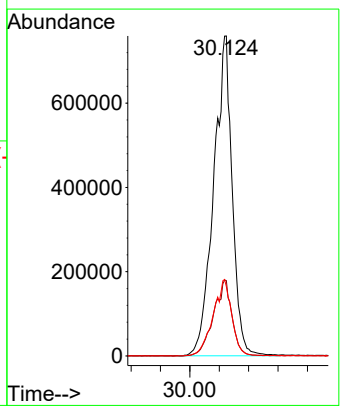


#92
Benzo(g,h,i)perylene
Concen: 48.076 ng
RT: 30.124 min Scan# 4622
Delta R.T. 0.071 min
Lab File: BP025347.D
Acq: 11 Aug 2025 13:59

Tgt Ion:276 Resp: 3321083

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	21.7	19.1	28.7



Raw Data: **BP025348.D**

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

Report of Analysis

Client:	Aramark Uniforms	Date Collected:	08/06/25
Project:	Monthly 2025	Date Received:	08/06/25
Client Sample ID:	TP-4MSD	SDG No.:	Q2791
Lab Sample ID:	Q2779-04MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025348.D	1	08/08/25 11:12	08/11/25 14:41	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	320		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		5.30	50.0	ug/L
95-48-7	2-Methylphenol	360		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	350		11.0	100	ug/L
67-72-1	Hexachloroethane	390		6.50	50.0	ug/L
98-95-3	Nitrobenzene	420		7.60	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	430		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	980	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	107		23 - 138	71%	SPK: 150
13127-88-3	Phenol-d6	91.7		10 - 134	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.3		67 - 132	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.8		52 - 132	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	80.5		42 - 152	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285000	7.796			
1146-65-2	Naphthalene-d8	1090000	10.572			
15067-26-2	Acenaphthene-d10	635000	14.419			
1517-22-2	Phenanthrene-d10	1140000	17.219			
1719-03-5	Chrysene-d12	1070000	21.66			
1520-96-3	Perylene-d12	1200000	25.048			

Raw Data: **BP025348.D**

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

Report of Analysis

Client:	Aramark Uniforms			Date Collected:	08/06/25
Project:	Monthly 2025			Date Received:	08/06/25
Client Sample ID:	TP-4MSD			SDG No.:	Q2791
Lab Sample ID:	Q2779-04MSD			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025348.D	1	08/08/25 11:12	08/11/25 14:41	PB169180

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025348.D
Acq On : 11 Aug 2025 14:41
Operator : CG/JU
Sample : Q2779-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 15:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.796	152	284673	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1089866	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	635339	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1137392	20.000	ng		0.00
76) Chrysene-d12	21.660	240	1068119	20.000	ng		0.00
86) Perylene-d12	25.048	264	1204307	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1896127	107.129	ng		0.00
7) Phenol-d6	6.966	99	2136105	91.702	ng		0.00
23) Nitrobenzene-d5	8.937	82	1579915	80.312	ng		0.00
42) 2,4,6-Tribromophenol	15.931	330	854626	134.837	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	3488446	75.838	ng		0.00
79) Terphenyl-d14	19.948	244	4552548	80.504	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.343	88	242671	34.743	ng	#	57
3) Pyridine	3.731	79	615639	31.725	ng		96
4) n-Nitrosodimethylamine	3.637	42	293133	32.537	ng		91
6) Aniline	7.125	93	616193	19.270	ng		98
8) 2-Chlorophenol	7.366	128	767032	39.591	ng		98
9) Benzaldehyde	6.943	77	291026m	17.591	ng		
10) Phenol	6.990	94	804832	32.292	ng		98
11) bis(2-Chloroethyl)ether	7.225	93	714814	36.604	ng		96
12) 1,3-Dichlorobenzene	7.690	146	833220	38.275	ng		99
13) 1,4-Dichlorobenzene	7.831	146	840300	38.154	ng		99
14) 1,2-Dichlorobenzene	8.149	146	812190	38.068	ng		99
15) Benzyl Alcohol	8.025	79	633559	35.088	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	999817	32.410	ng		97
17) 2-Methylphenol	8.225	107	607878	36.450	ng		99
18) Hexachloroethane	8.872	117	307577	39.051	ng		98
19) n-Nitroso-di-n-propyla...	8.596	70	534495	34.924	ng		93
20) 3+4-Methylphenols	8.549	107	801973	34.922	ng		96
22) Acetophenone	8.608	105	1112327	40.656	ng	#	96
24) Nitrobenzene	8.978	77	774899	41.612	ng		97
25) Isophorone	9.507	82	1519134	38.794	ng		99
26) 2-Nitrophenol	9.684	139	396010	48.756	ng		95
27) 2,4-Dimethylphenol	9.743	122	695410	38.519	ng		97
28) bis(2-Chloroethoxy)met...	9.978	93	949183	39.846	ng		99
29) 2,4-Dichlorophenol	10.213	162	680443	43.050	ng		99
30) 1,2,4-Trichlorobenzene	10.431	180	734903	42.144	ng		100
31) Naphthalene	10.619	128	2302899	40.703	ng		100
32) Benzoic acid	9.866	122	465328	45.993	ng		94
33) 4-Chloroaniline	10.719	127	200826	7.981	ng		99
34) Hexachlorobutadiene	10.913	225	431727	43.130	ng		98
35) Caprolactam	11.490	113	186935	30.487	ng		88
36) 4-Chloro-3-methylphenol	11.843	107	720521	39.397	ng		97
37) 2-Methylnaphthalene	12.231	142	1457414	39.798	ng		99
38) 1-Methylnaphthalene	12.448	142	1512432	39.582	ng		100
40) 1,2,4,5-Tetrachloroben...	12.601	216	780649	45.005	ng		99
41) Hexachlorocyclopentadiene	12.584	237	904368	84.477	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	540264	48.215	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025348.D
Acq On : 11 Aug 2025 14:41
Operator : CG/JU
Sample : Q2779-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 15:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.907	196	577205	45.920	ng		99
46) 1,1'-Biphenyl	13.248	154	2043832	43.652	ng		99
47) 2-Chloronaphthalene	13.290	162	1539103	43.087	ng		97
48) 2-Nitroaniline	13.478	65	440598	42.470	ng		91
49) Acenaphthylene	14.137	152	2556161	42.900	ng		100
50) Dimethylphthalate	13.872	163	1959493	42.307	ng		99
51) 2,6-Dinitrotoluene	13.984	165	407970	47.755	ng		88
52) Acenaphthene	14.478	154	1718843m	47.293	ng		
53) 3-Nitroaniline	14.313	138	181541	18.160	ng		96
54) 2,4-Dinitrophenol	14.519	184	401165	82.623	ng	#	46
55) Dibenzofuran	14.819	168	2280502	41.989	ng		99
56) 4-Nitrophenol	14.619	139	651782	73.877	ng		94
57) 2,4-Dinitrotoluene	14.772	165	565268	43.044	ng		98
58) Fluorene	15.478	166	1766085	41.401	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.054	232	477833	45.508	ng		97
60) Diethylphthalate	15.254	149	1952372	41.812	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	849881	42.025	ng		98
62) 4-Nitroaniline	15.490	138	394195	39.797	ng		94
63) Azobenzene	15.784	77	1713159	39.493	ng		97
65) 4,6-Dinitro-2-methylph...	15.554	198	286727	54.239	ng		95
66) n-Nitrosodiphenylamine	15.701	169	1581762	45.674	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	544269	47.559	ng		96
68) Hexachlorobenzene	16.507	284	597613	46.539	ng		99
69) Atrazine	16.678	200	552678	45.380	ng		99
70) Pentachlorophenol	16.860	266	799036	97.669	ng		99
71) Phenanthrene	17.260	178	2686555	43.125	ng		100
72) Anthracene	17.354	178	2789778	44.414	ng		99
73) Carbazole	17.631	167	2531475	41.984	ng		100
74) Di-n-butylphthalate	18.242	149	3415192	46.819	ng		99
75) Fluoranthene	19.348	202	3000803	41.611	ng		99
77) Benzidine	19.536	184	678887	17.560	ng		99
78) Pyrene	19.725	202	3121618	43.949	ng		100
80) Butylbenzylphthalate	20.677	149	1499148	52.042	ng		99
81) Benzo(a)anthracene	21.636	228	3048745	42.952	ng		99
82) 3,3'-Dichlorobenzidine	21.566	252	732934	29.267	ng		99
83) Chrysene	21.713	228	2900637	44.060	ng		99
84) Bis(2-ethylhexyl)phtha...	21.601	149	2263580	49.211	ng		99
85) Di-n-octyl phthalate	22.901	149	3900559	50.663	ng		97
87) Indeno(1,2,3-cd)pyrene	28.895	276	4007231m	46.423	ng		
88) Benzo(b)fluoranthene	23.983	252	3132399	43.450	ng		99
89) Benzo(k)fluoranthene	24.048	252	3078060	43.070	ng		100
90) Benzo(a)pyrene	24.889	252	3034672	43.711	ng		99
91) Dibenzo(a,h)anthracene	28.983	278	3286717	46.491	ng		98
92) Benzo(g,h,i)perylene	30.089	276	3206005	46.208	ng		98

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

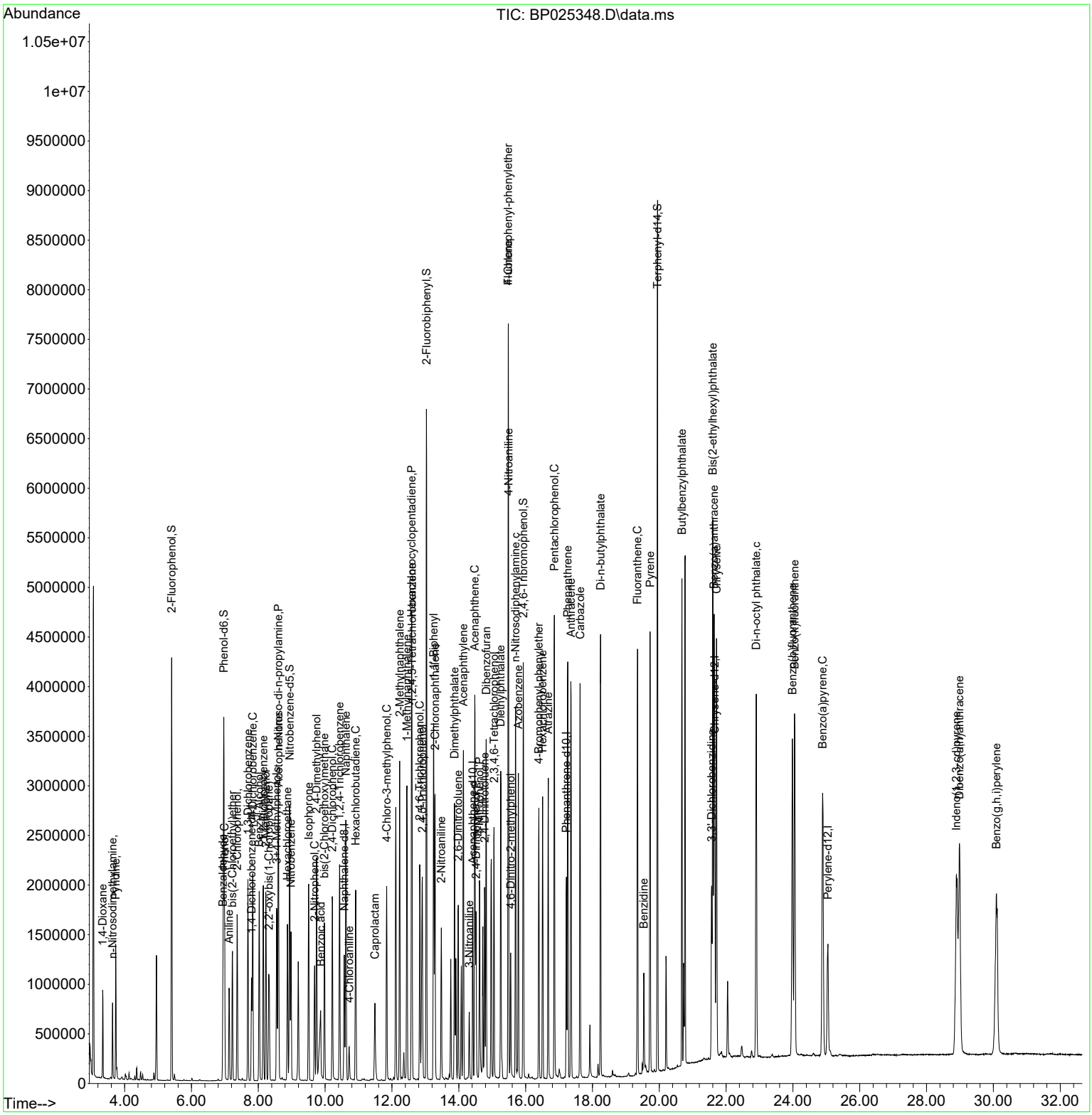
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
Data File : BP025348.D
Acq On : 11 Aug 2025 14:41
Operator : CG/JU
Sample : Q2779-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

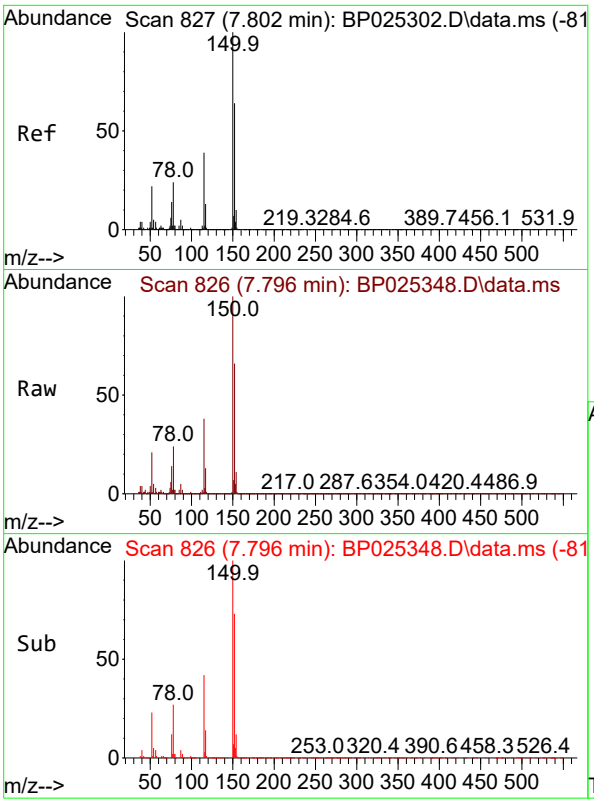
Quant Time: Aug 11 15:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

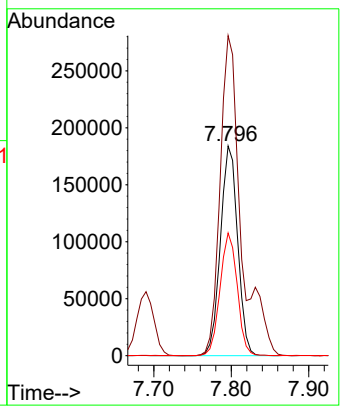




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:152 Resp: 28467

Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.1	187.7
115	58.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

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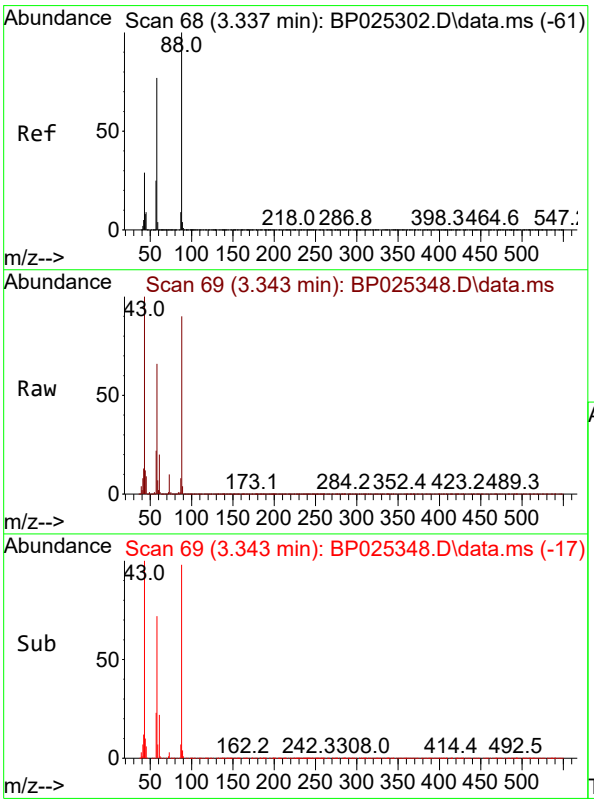
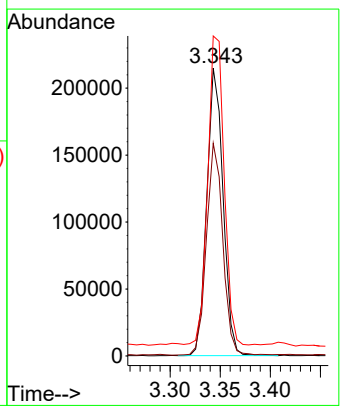
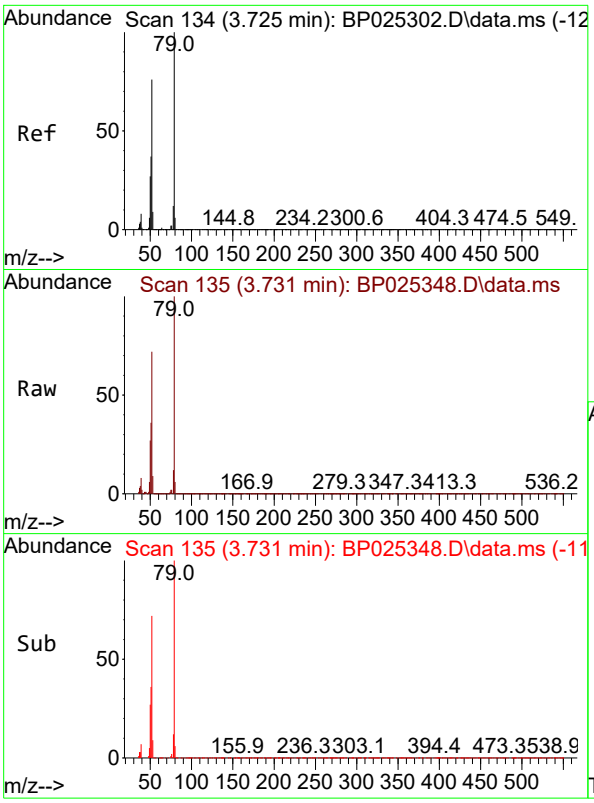


#2
1,4-Dioxane
Concen: 34.743 ng
RT: 3.343 min Scan# 69
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 88 Resp: 242671

Ion	Ratio	Lower	Upper
88	100		
58	74.2	61.9	92.9
43	108.5	24.2	36.2#

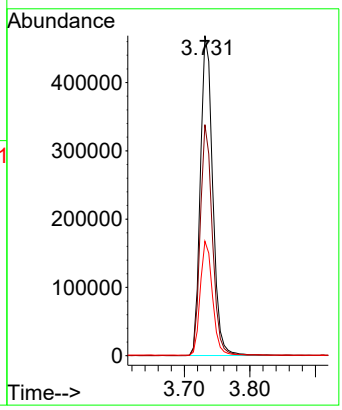




#3
Pyridine
Concen: 31.725 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 79 Resp: 61563

Ion	Ratio	Lower	Upper
79	100		
52	72.2	60.5	90.7
51	35.8	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
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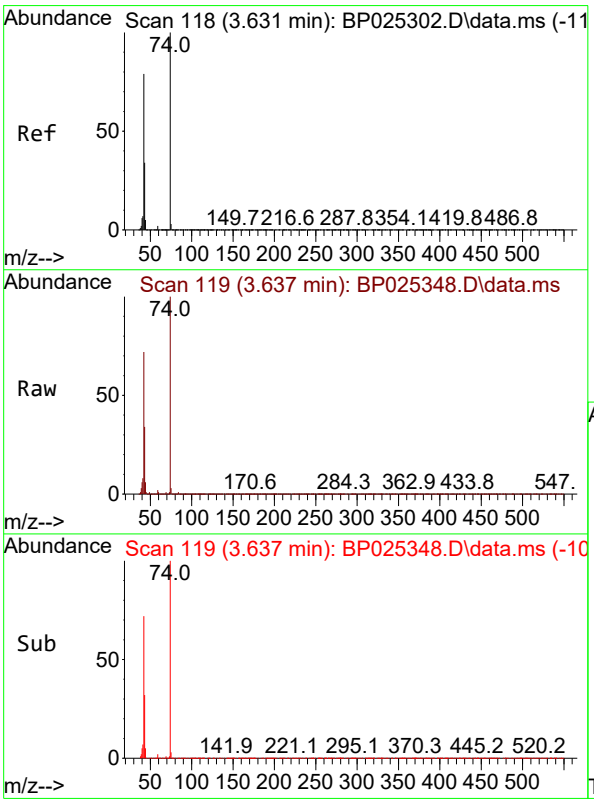
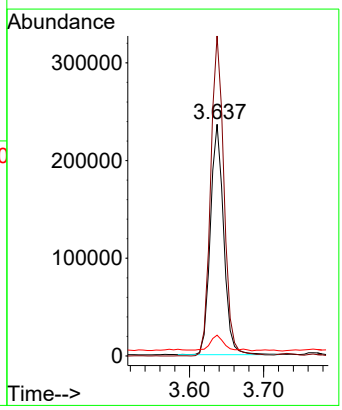
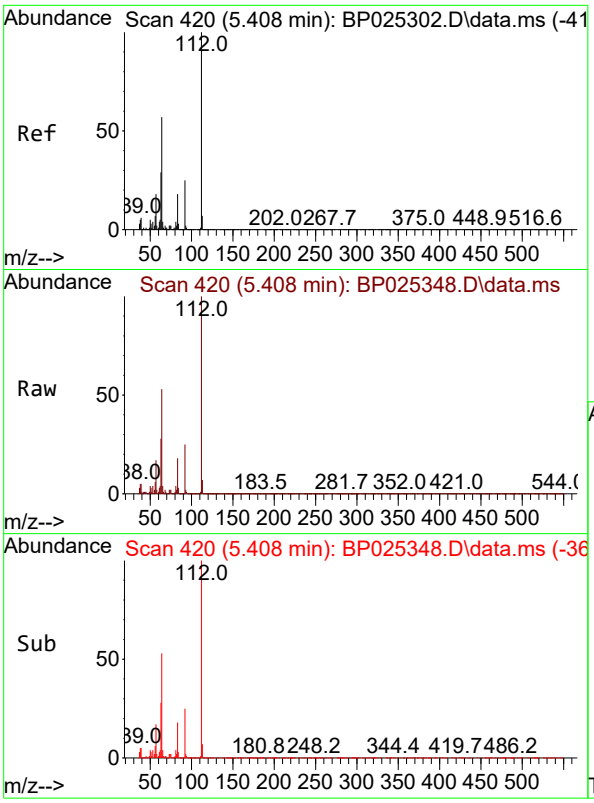


#4
n-Nitrosodimethylamine
Concen: 32.537 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 42 Resp: 293133

Ion	Ratio	Lower	Upper
42	100		
74	138.1	101.4	152.2
44	9.0	7.6	11.4

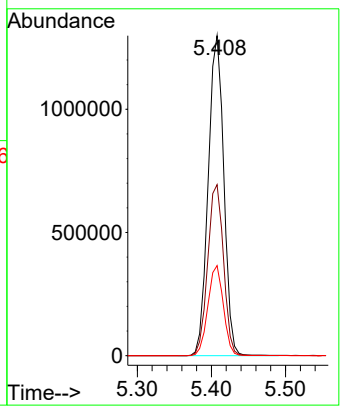




#5
2-Fluorophenol
Concen: 107.129 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:112 Resp: 189612

Ion	Ratio	Lower	Upper
112	100		
64	53.5	45.3	67.9
63	28.2	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
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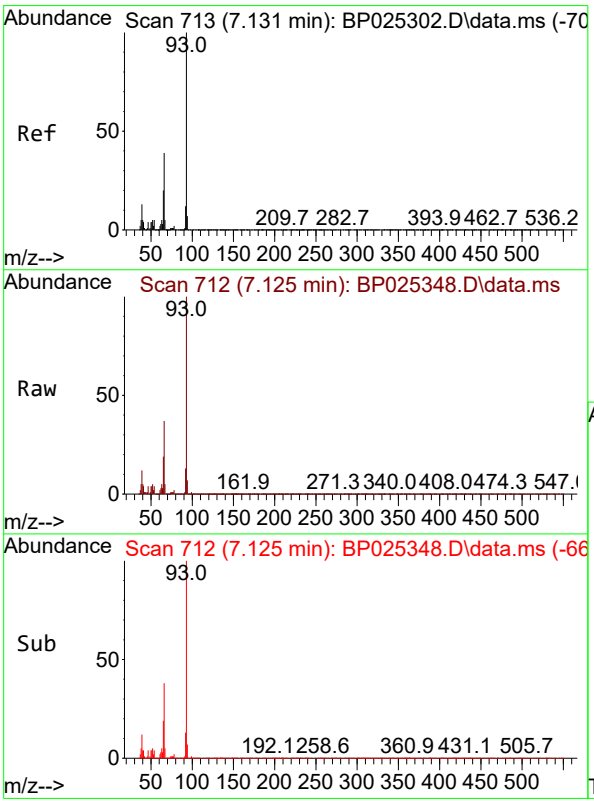
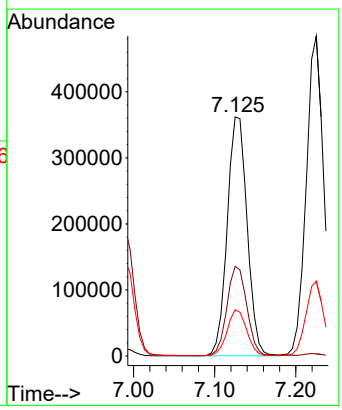
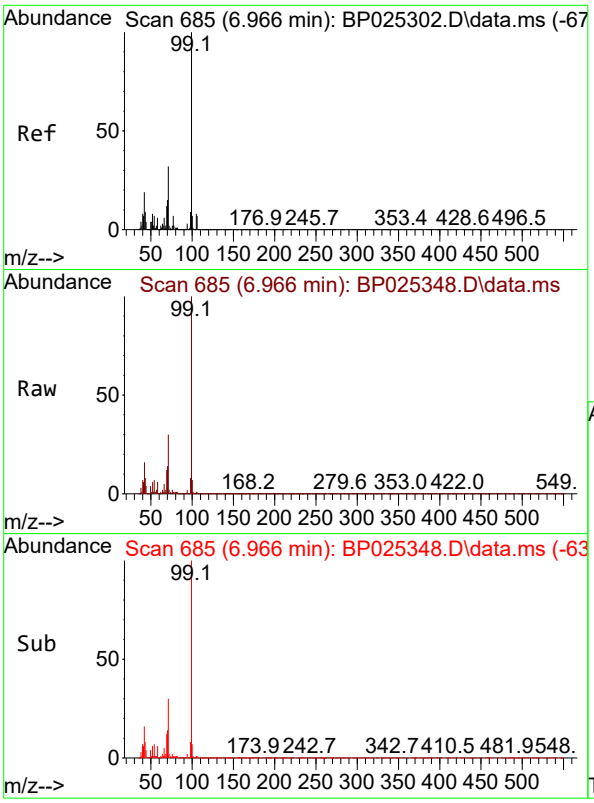


#6
Aniline
Concen: 19.270 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 93 Resp: 616193

Ion	Ratio	Lower	Upper
93	100		
66	37.5	31.1	46.7
65	19.4	15.8	23.8

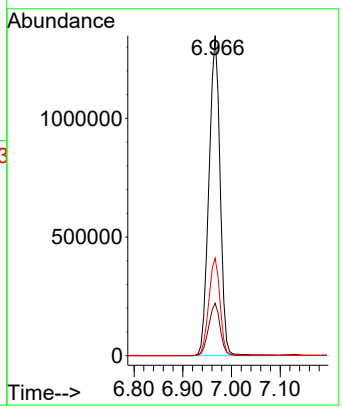




#7
Phenol-d6
Concen: 91.702 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 99 Resp: 213610

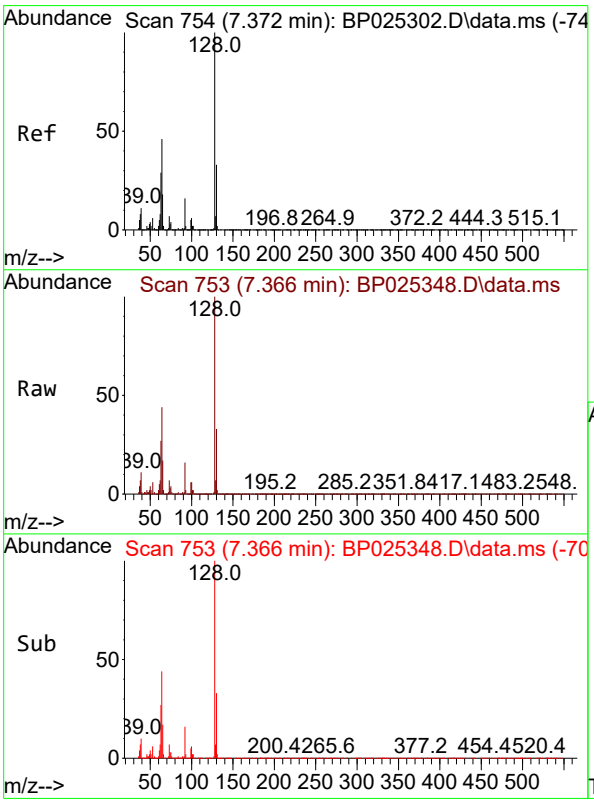
Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	30.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

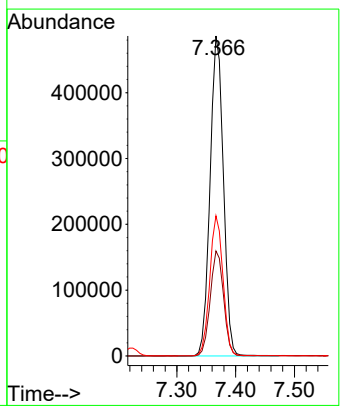
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

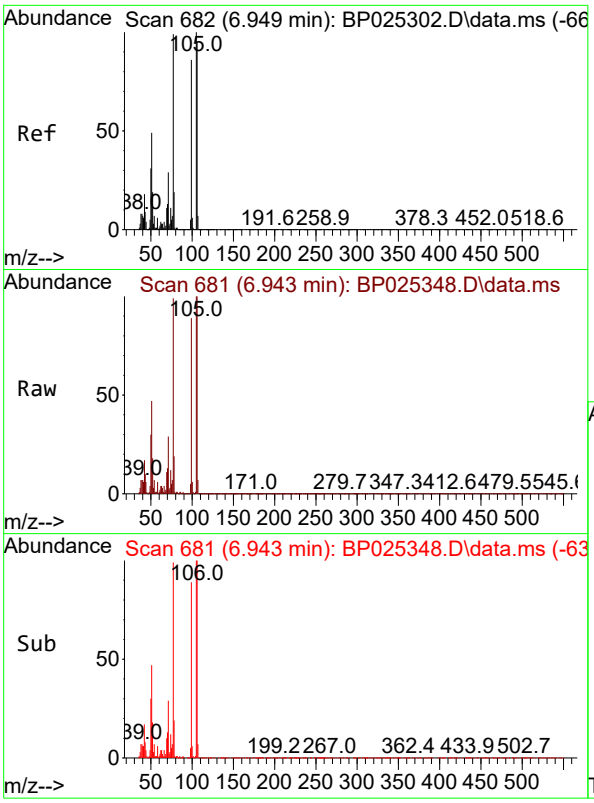


#8
2-Chlorophenol
Concen: 39.591 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:128 Resp: 767032

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.1	53.1
64	43.8	26.1	66.1

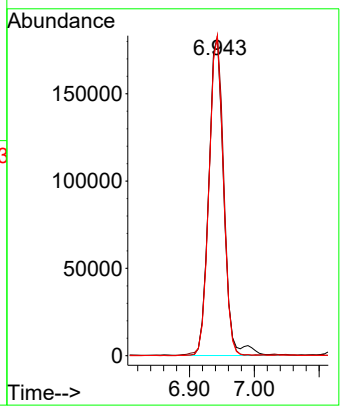




#9
Benzaldehyde
Concen: 17.591 ng m
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 77 Resp: 29102

Ion	Ratio	Lower	Upper
77	100		
105	100.8	81.4	121.4
106	100.7	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
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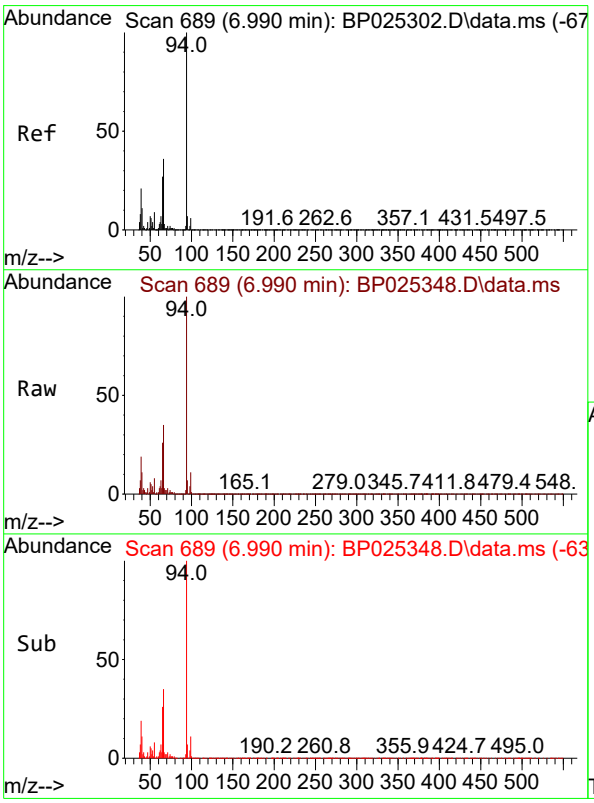
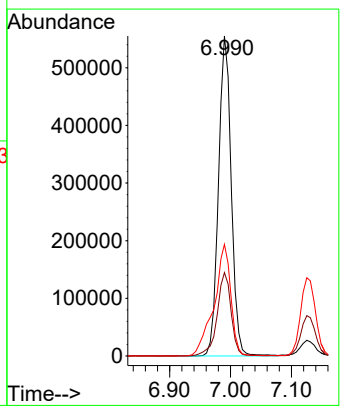
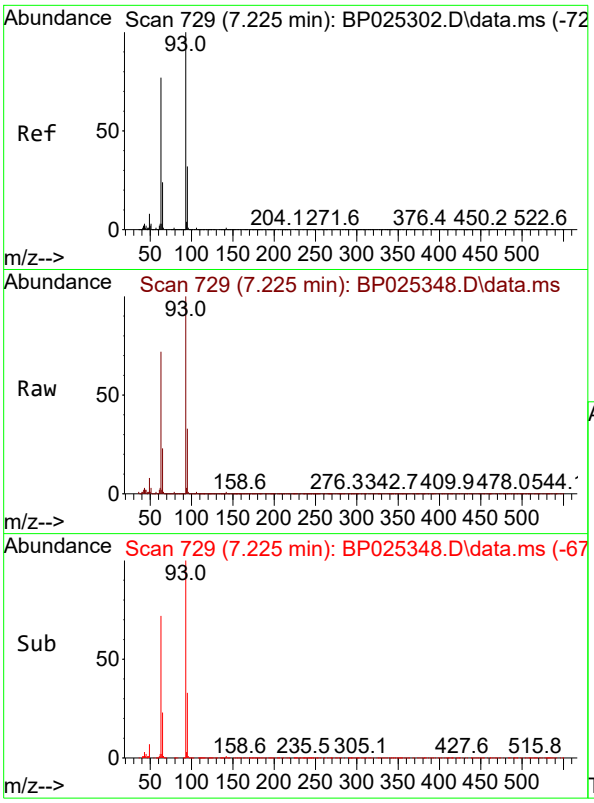


#10
Phenol
Concen: 32.292 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 94 Resp: 804832

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	34.9	15.7	55.7

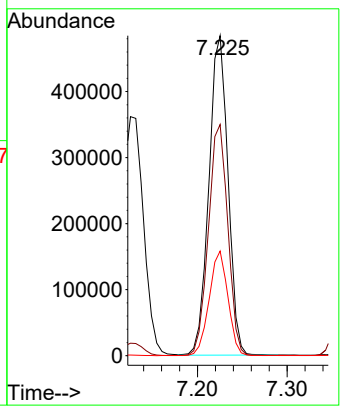




#11
bis(2-Chloroethyl)ether
Concen: 36.604 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 93 Resp: 71481

Ion	Ratio	Lower	Upper
93	100		
63	72.3	57.0	97.0
95	32.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
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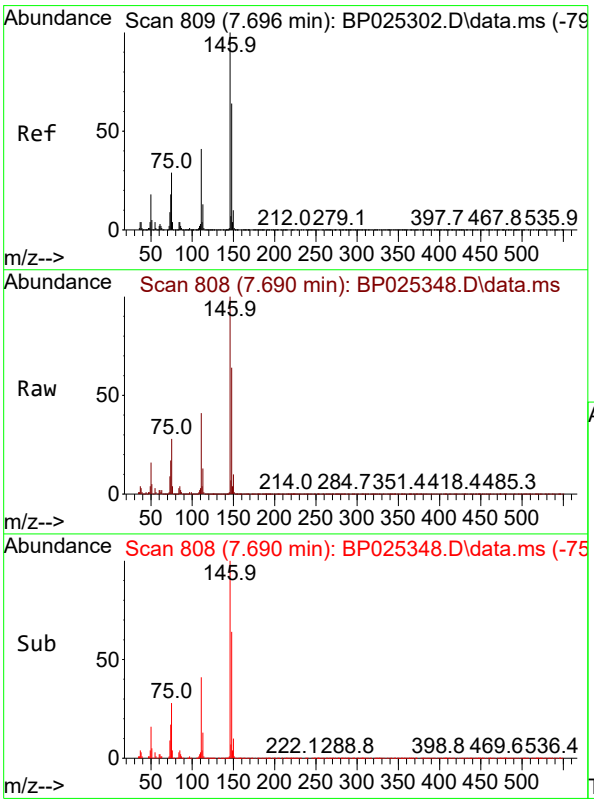
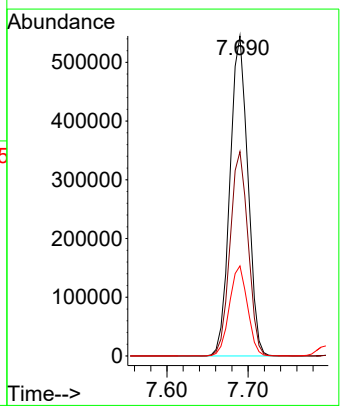
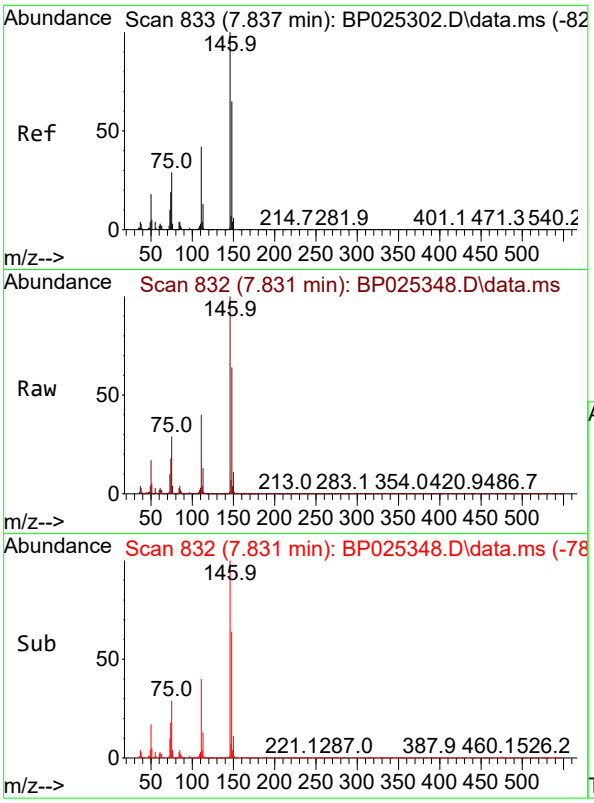


#12
1,3-Dichlorobenzene
Concen: 38.275 ng
RT: 7.690 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:146 Resp: 833220

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	28.2	23.2	34.8

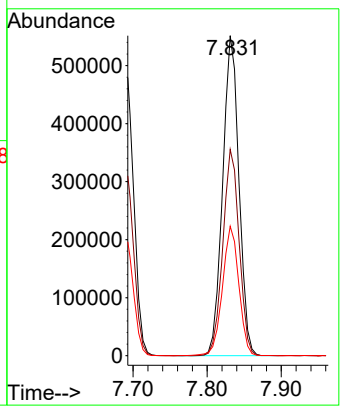




#13
1,4-Dichlorobenzene
Concen: 38.154 ng
RT: 7.831 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:146 Resp: 84030

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.0	78.0
111	40.5	33.2	49.8



Instrument :
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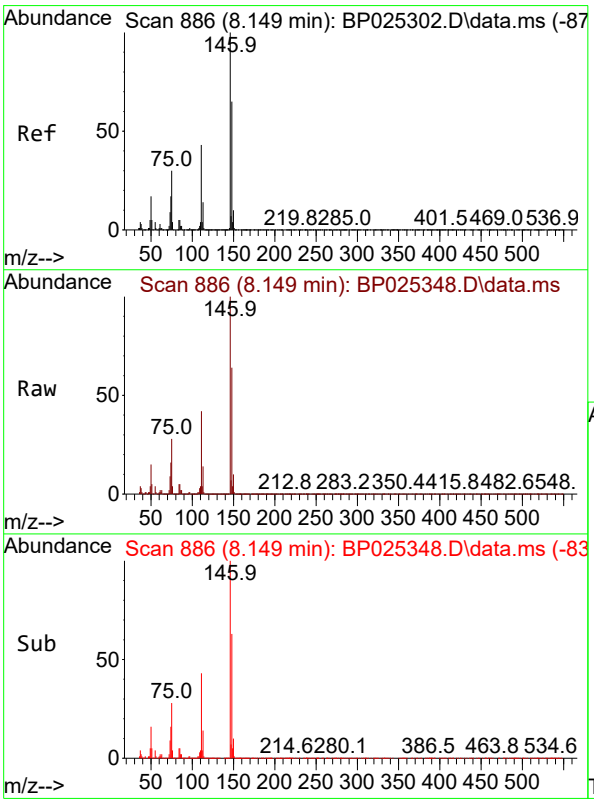
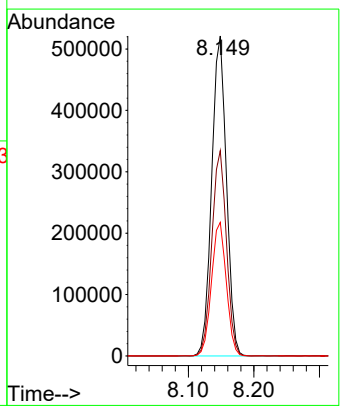
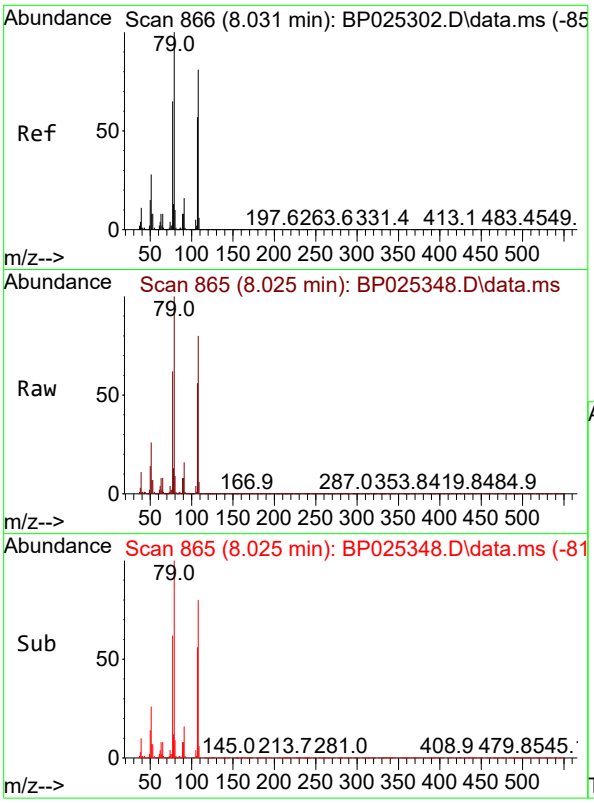


#14
1,2-Dichlorobenzene
Concen: 38.068 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:146 Resp: 812190

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	41.7	34.4	51.6

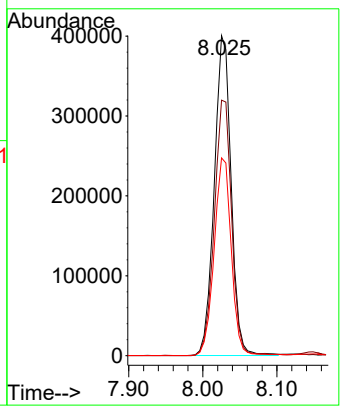




#15
Benzyl Alcohol
Concen: 35.088 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 79 Resp: 63355

Ion	Ratio	Lower	Upper
79	100		
108	79.9	64.5	96.7
77	61.8	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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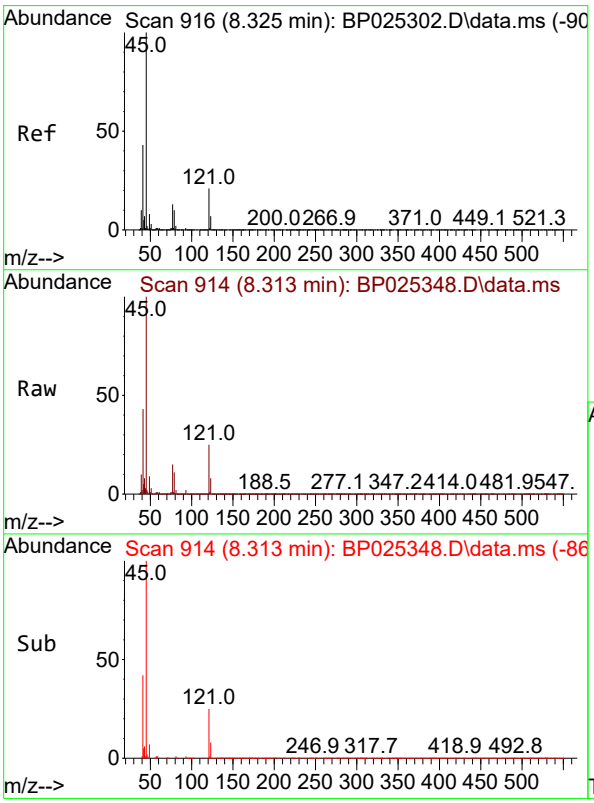
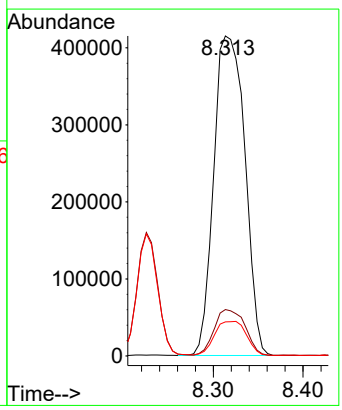
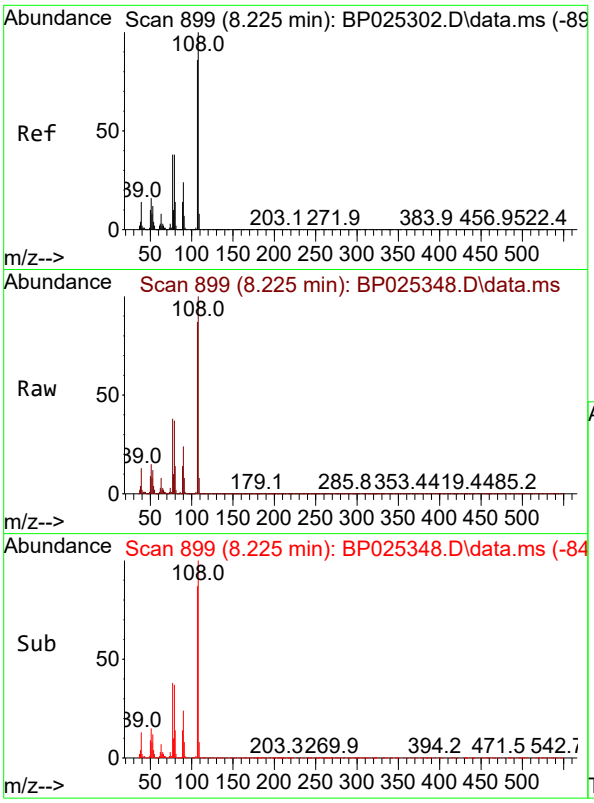


#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.410 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 45 Resp: 999817

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	33.0
79	10.6	0.0	29.8

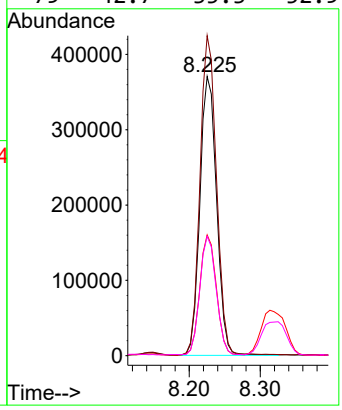




#17
2-Methylphenol
Concen: 36.450 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:107 Resp: 60787

Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.6	139.0
77	43.2	35.4	53.2
79	42.7	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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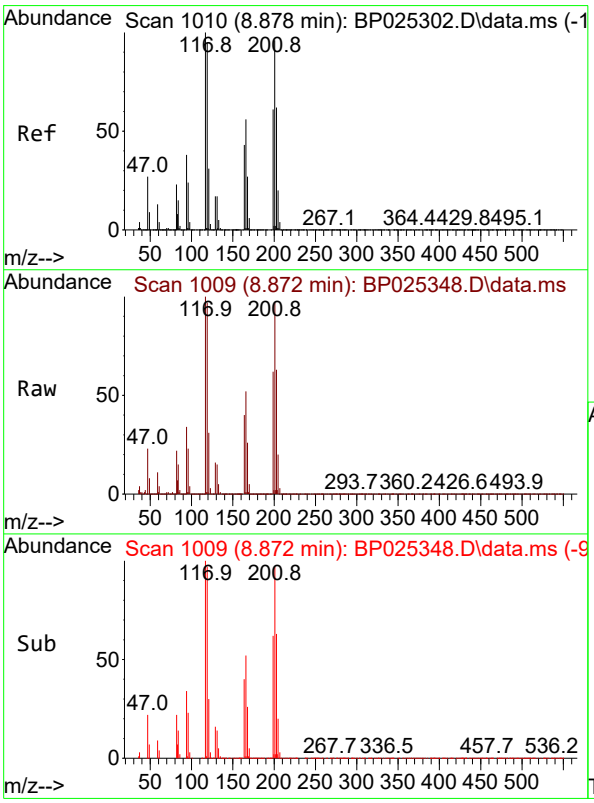
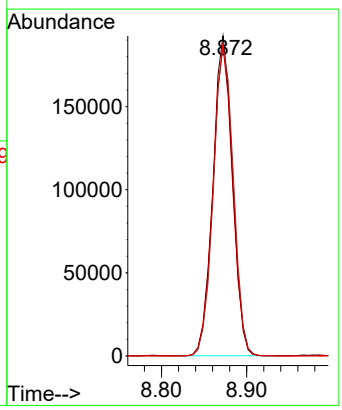
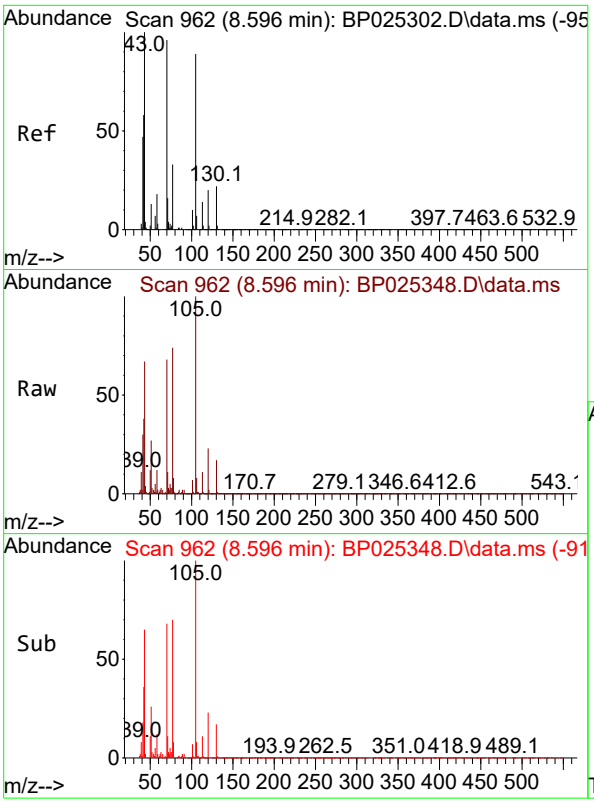


#18
Hexachloroethane
Concen: 39.051 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:117 Resp: 307577

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.8
201	97.3	76.6	114.8

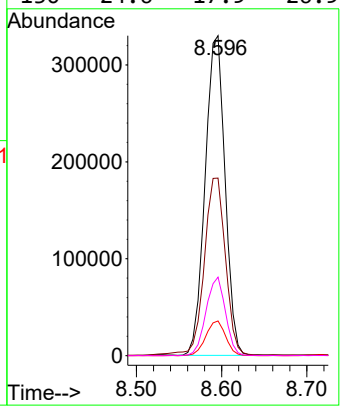




#19
n-Nitroso-di-n-propylamine
Concen: 34.924 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 70 Resp: 53449

Ion	Ratio	Lower	Upper
70	100		
42	55.5	49.4	74.0
101	10.9	7.9	11.9
130	24.6	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
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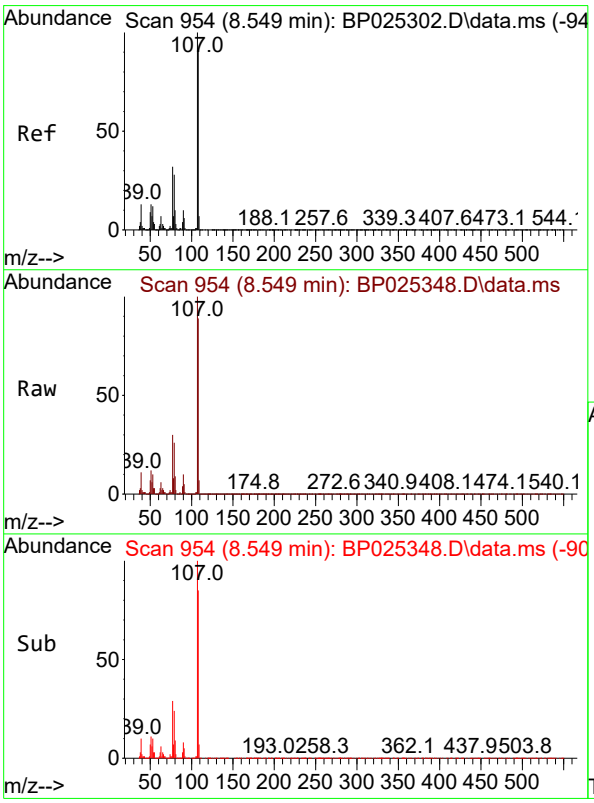
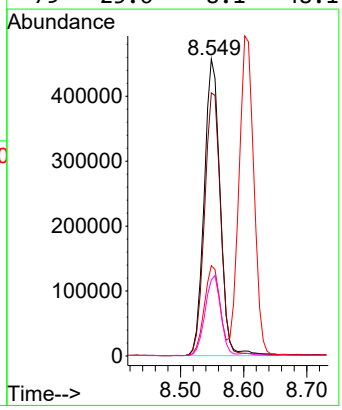
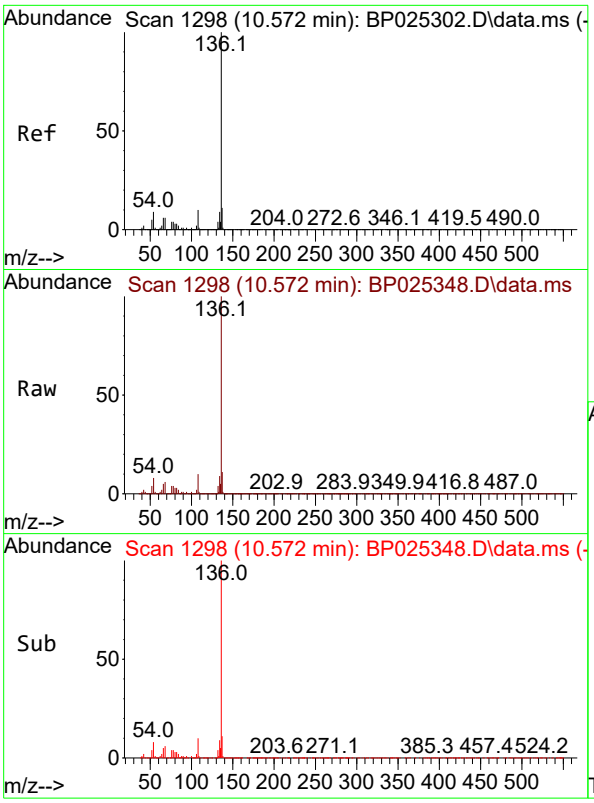


#20
3+4-Methylphenols
Concen: 34.922 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:107 Resp: 801973

Ion	Ratio	Lower	Upper
107	100		
108	88.6	71.9	111.9
77	30.4	12.0	52.0
79	25.6	8.1	48.1

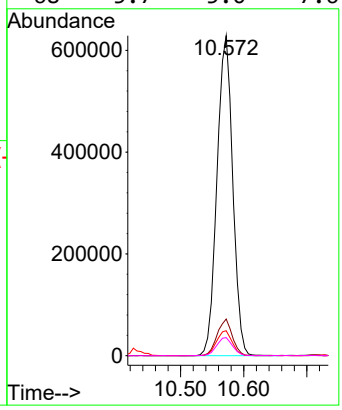




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:136 Resp: 108986

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.8	7.0	10.6
68	5.7	5.0	7.6



Instrument :
BNA_P
ClientSampleId :
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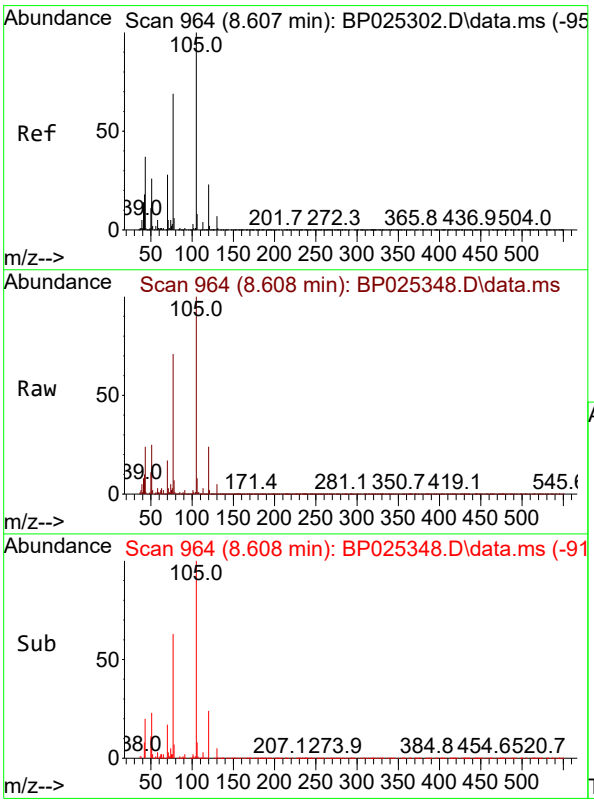
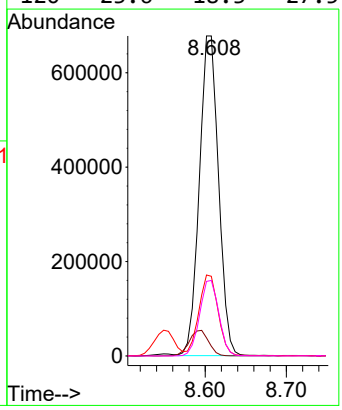
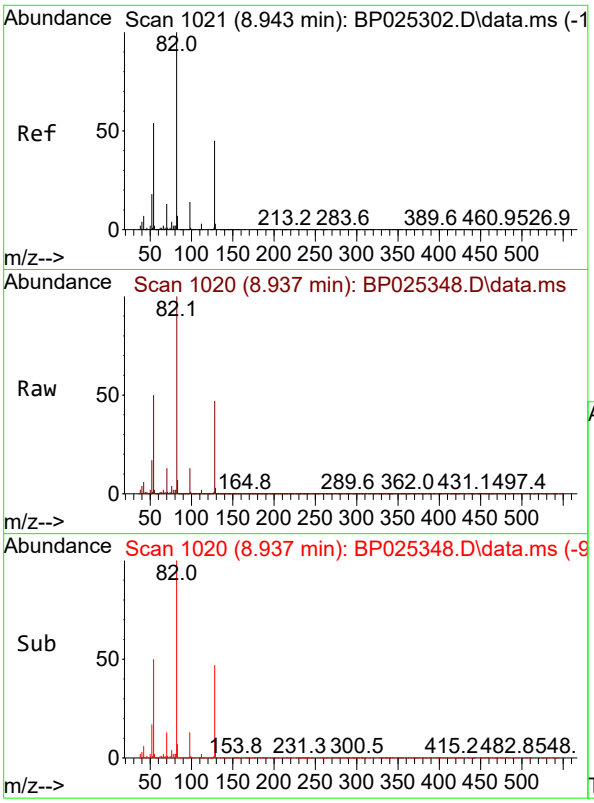


#22
Acetophenone
Concen: 40.656 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:105 Resp: 1112327

Ion	Ratio	Lower	Upper
105	100		
71	3.0	4.1	6.1#
51	24.9	22.7	34.1
120	23.6	18.3	27.5

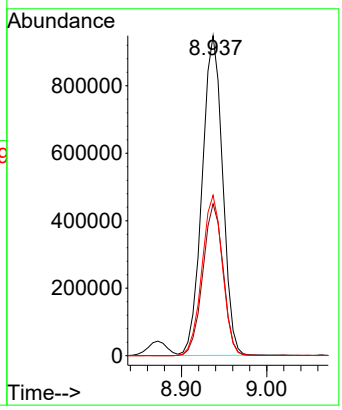




#23
Nitrobenzene-d5
Concen: 80.312 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 82 Resp: 157991

Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.4	53.2
54	50.1	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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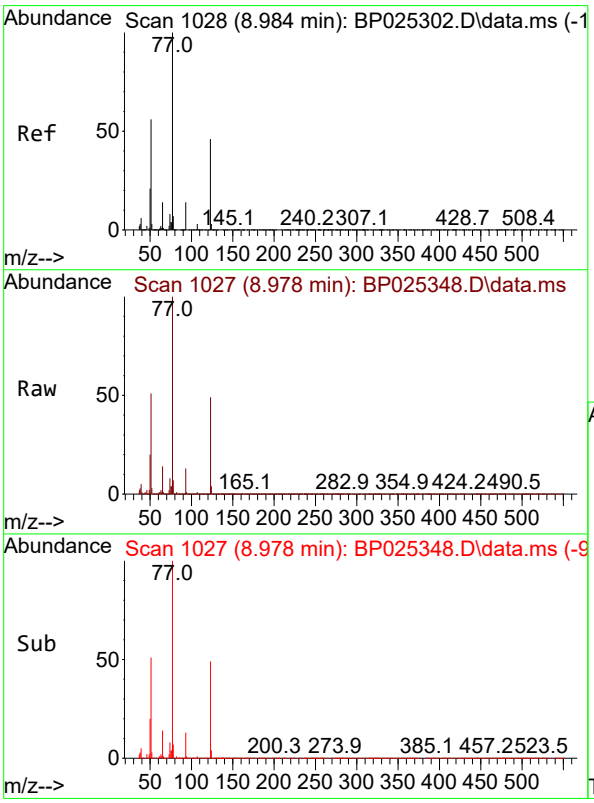
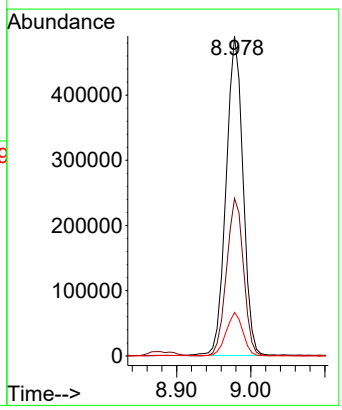
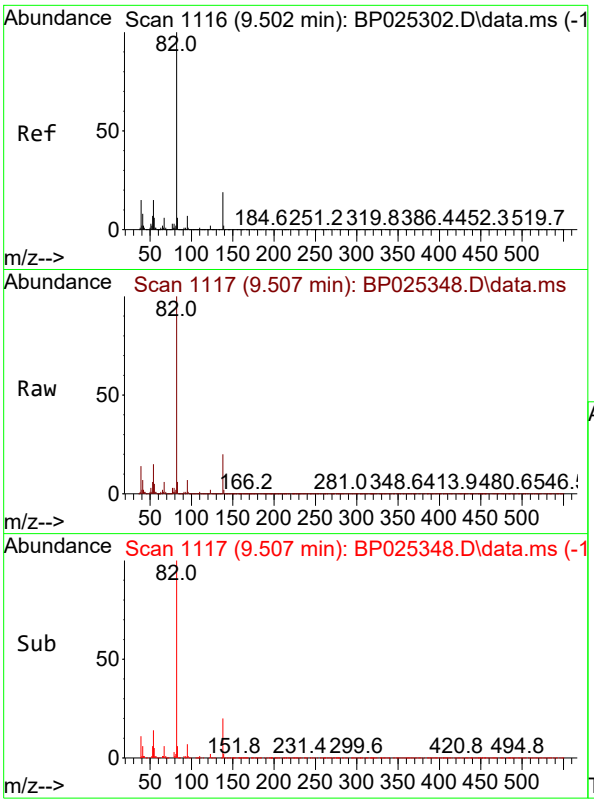


#24
Nitrobenzene
Concen: 41.612 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 77 Resp: 774899

Ion	Ratio	Lower	Upper
77	100		
123	49.2	37.4	56.2
65	13.6	11.1	16.7

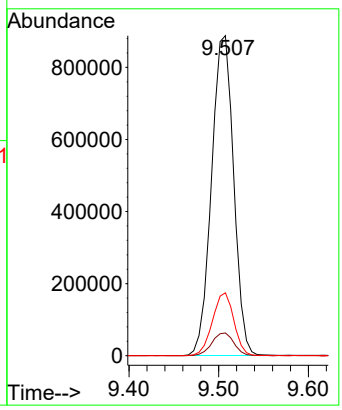




#25
Isophorone
Concen: 38.794 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 82 Resp: 151913

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	19.7	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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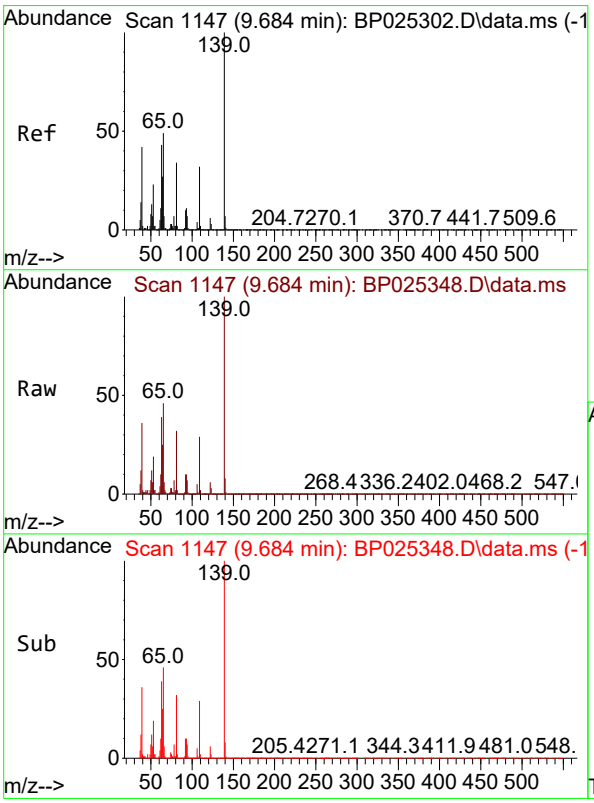
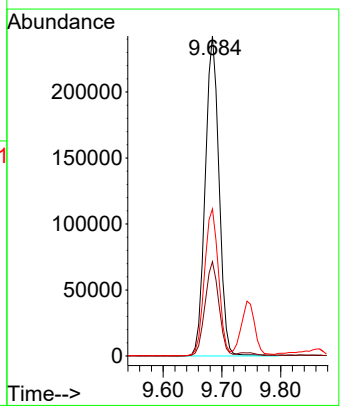
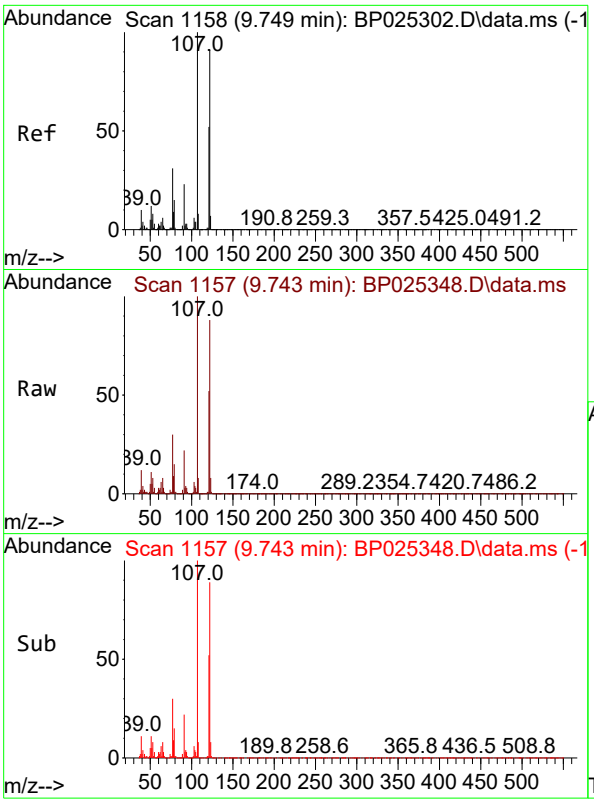


#26
2-Nitrophenol
Concen: 48.756 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:139 Resp: 396010

Ion	Ratio	Lower	Upper
139	100		
109	29.4	25.2	37.8
65	45.9	39.6	59.4

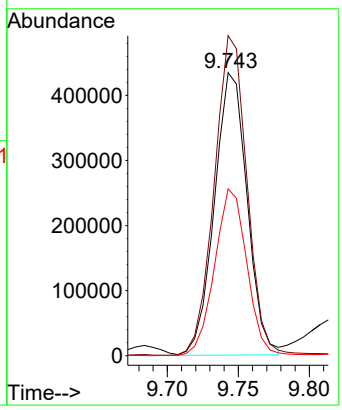




#27
2,4-Dimethylphenol
Concen: 38.519 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:122 Resp: 69541

Ion	Ratio	Lower	Upper
122	100		
107	113.1	87.4	131.0
121	59.0	45.8	68.8



Instrument :
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ClientSampleId :
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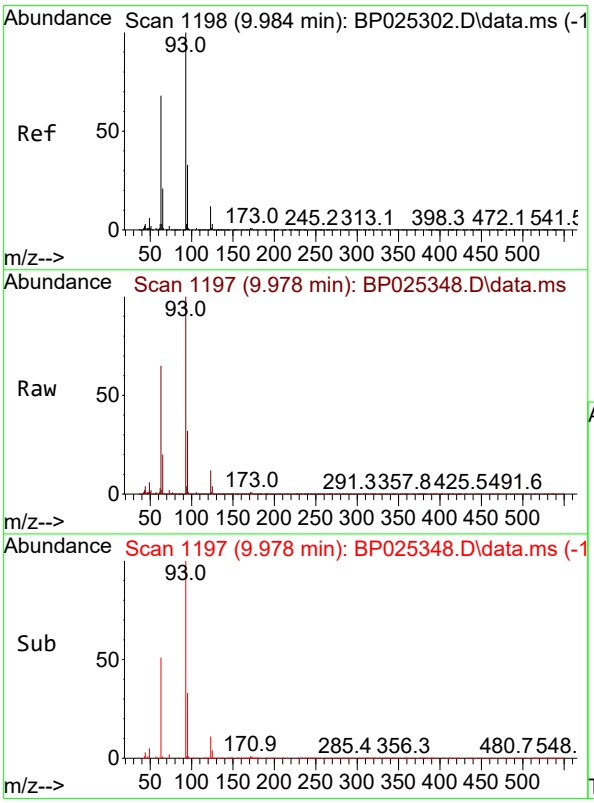
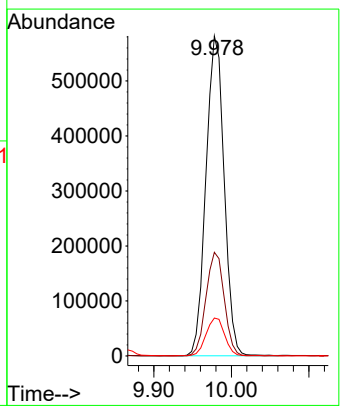
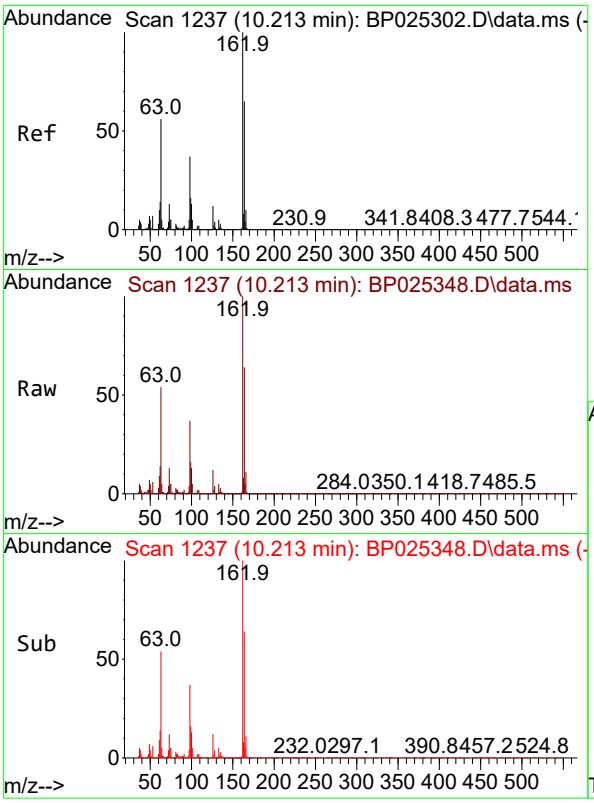


#28
bis(2-Chloroethoxy)methane
Concen: 39.846 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 93 Resp: 949183

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	11.9	9.4	14.2

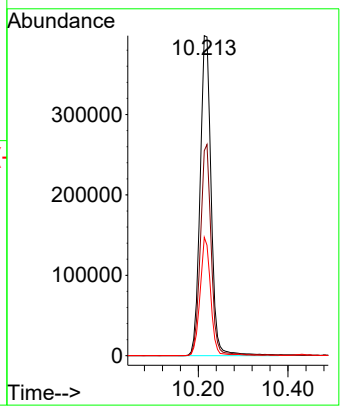




#29
2,4-Dichlorophenol
Concen: 43.050 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:162 Resp: 68044

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.2	85.2
98	37.0	17.5	57.5



Instrument :
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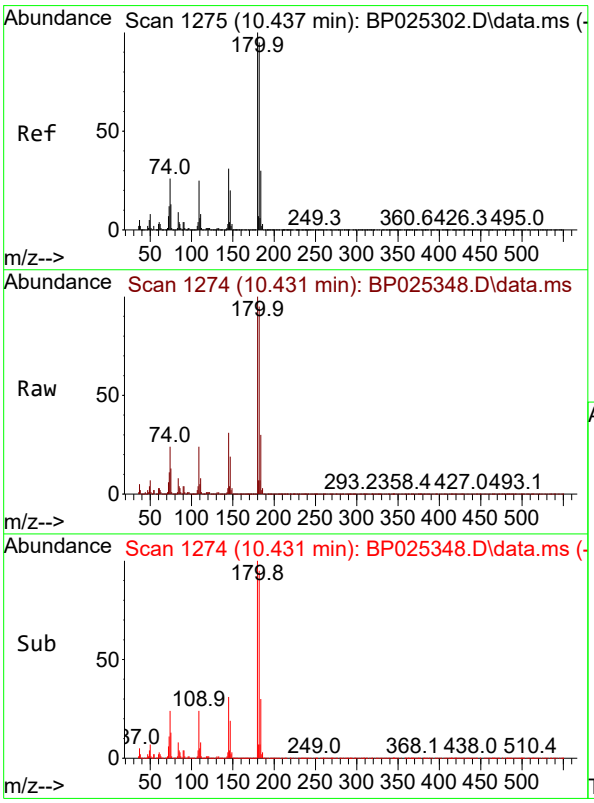
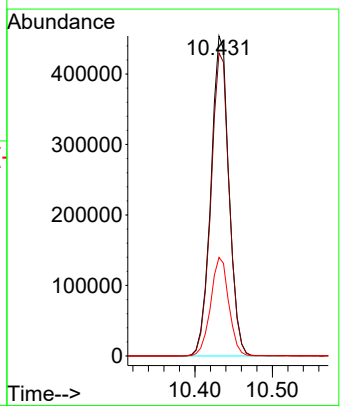
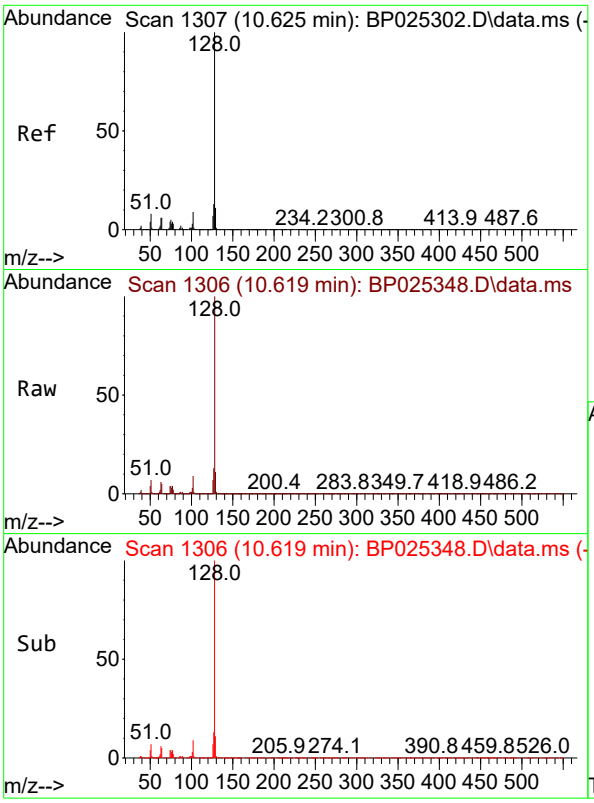


#30
1,2,4-Trichlorobenzene
Concen: 42.144 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:180 Resp: 734903

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.8
145	30.8	25.0	37.4

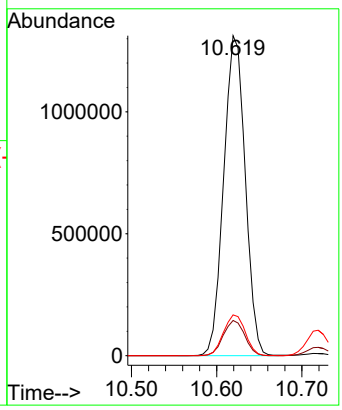




#31
Naphthalene
Concen: 40.703 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:128 Resp: 230289

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.7	10.4	15.6



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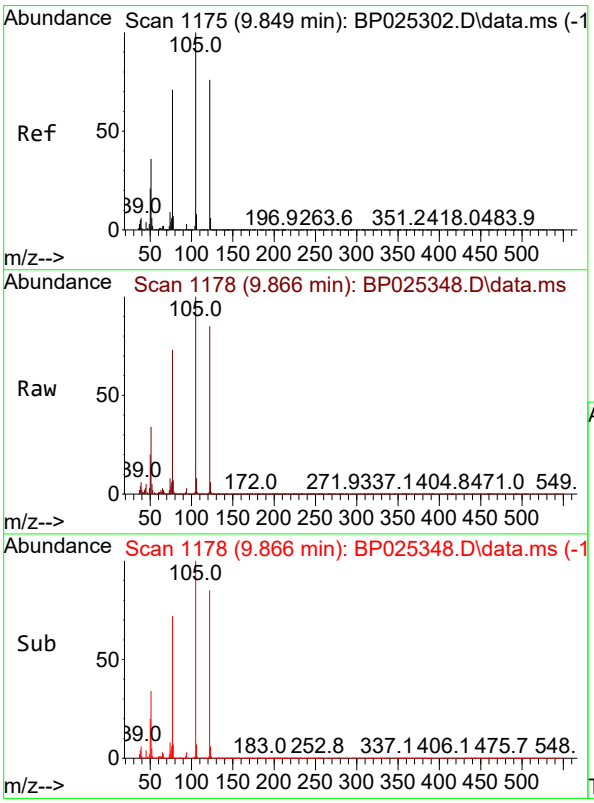
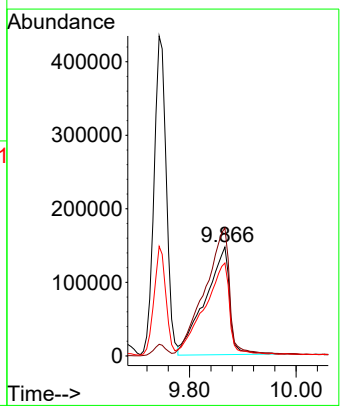
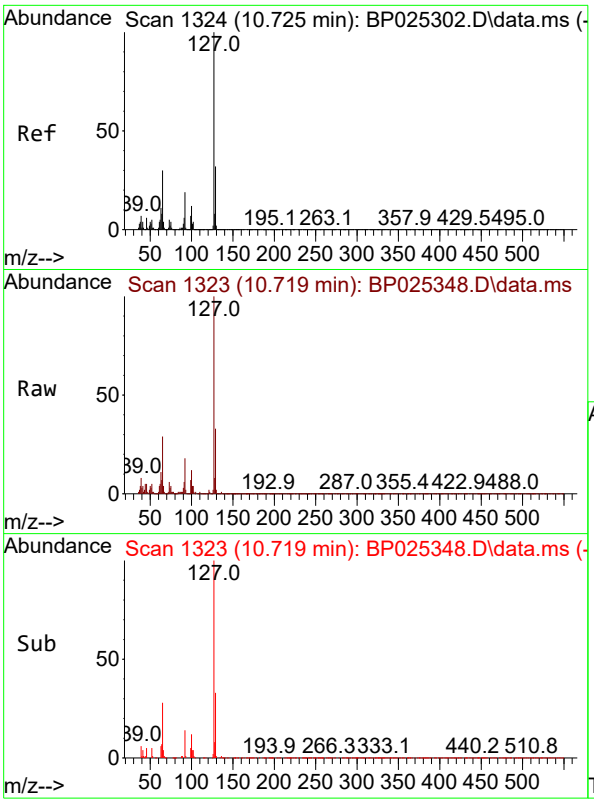


#32
Benzoic acid
Concen: 45.993 ng
RT: 9.866 min Scan# 1178
Delta R.T. 0.017 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:122 Resp: 465328

Ion	Ratio	Lower	Upper
122	100		
105	117.5	104.0	144.0
77	85.3	71.8	111.8

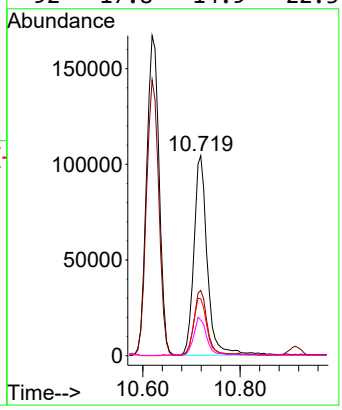




#33
4-Chloroaniline
Concen: 7.981 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:127 Resp: 20082

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.6
65	28.5	23.6	35.4
92	17.8	14.9	22.3



Instrument :
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ClientSampleId :
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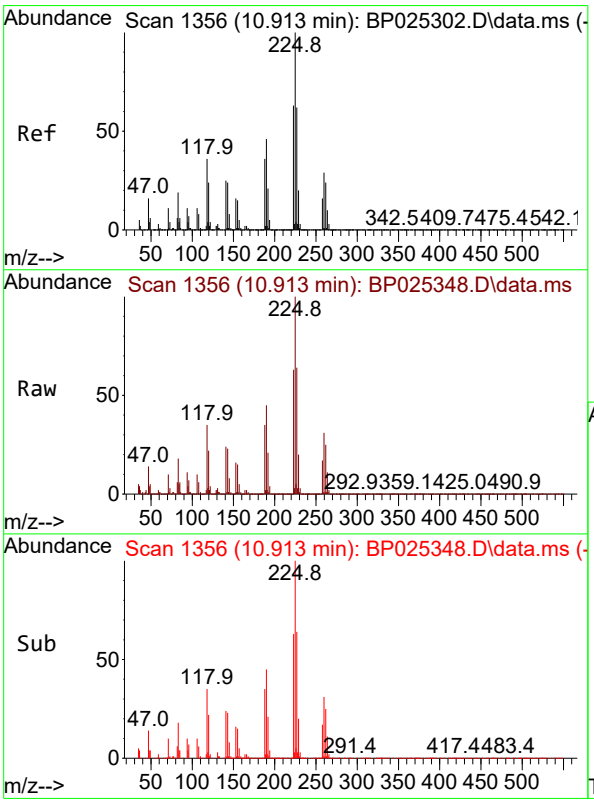
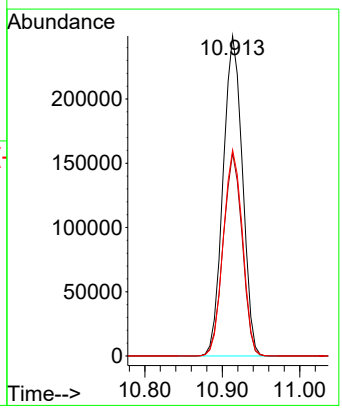
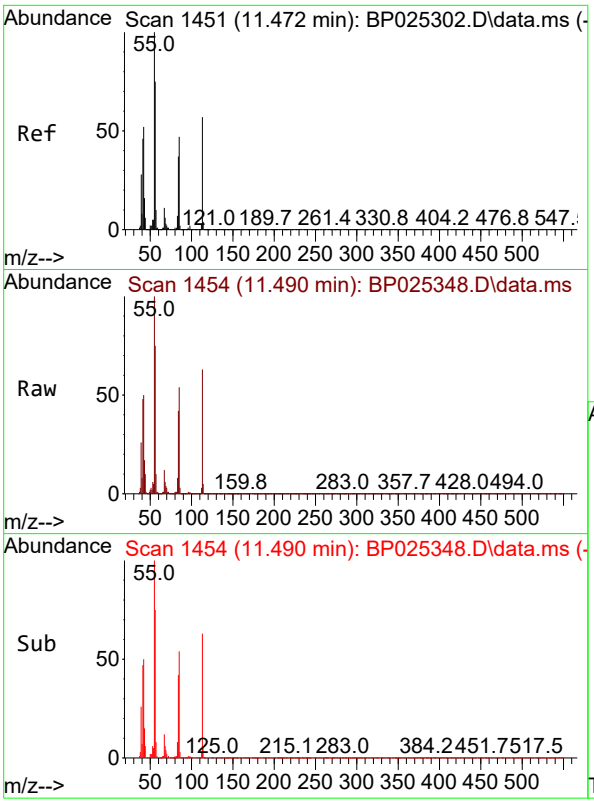


#34
Hexachlorobutadiene
Concen: 43.130 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:225 Resp: 431727

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	64.4	49.7	74.5

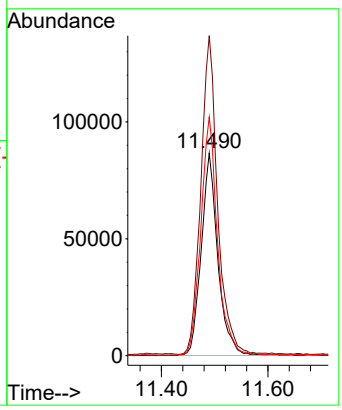




#35
Caprolactam
Concen: 30.487 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:113 Resp: 18693

Ion	Ratio	Lower	Upper
113	100		
55	157.9	154.4	194.4
56	117.8	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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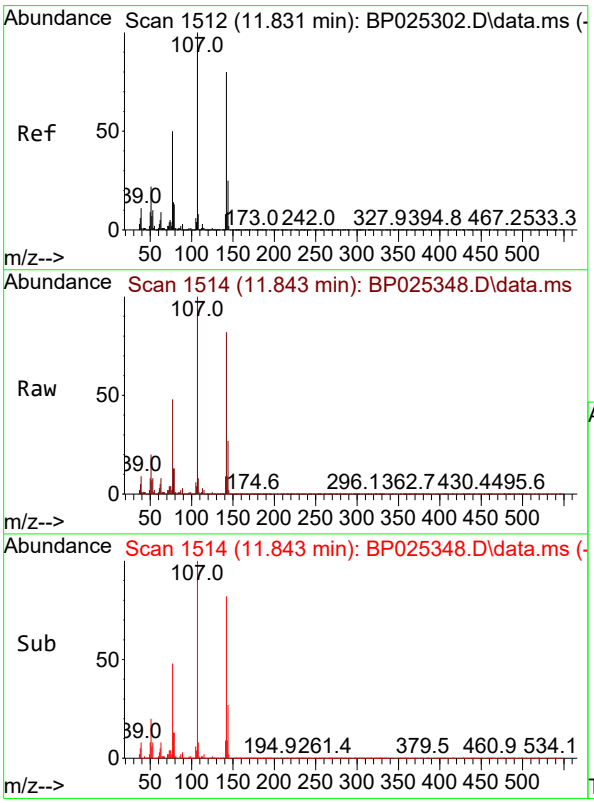
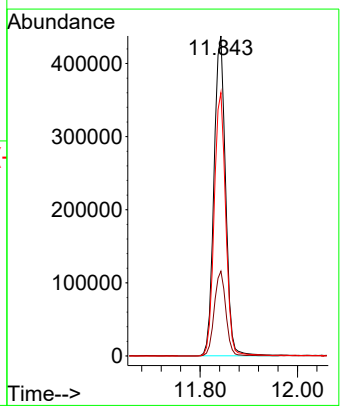
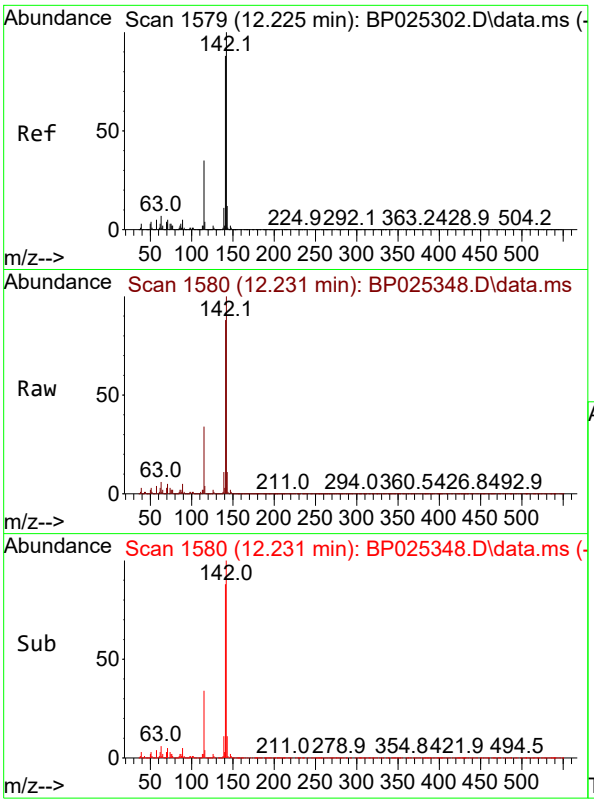


#36
4-Chloro-3-methylphenol
Concen: 39.397 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:107 Resp: 720521

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.4	30.6
142	82.3	63.7	95.5

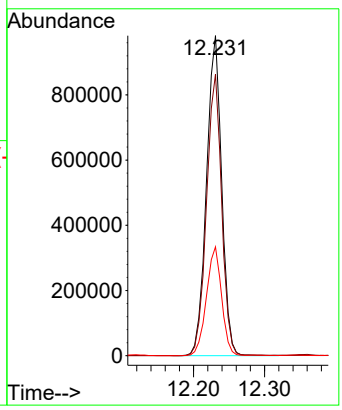




#37
2-Methylnaphthalene
Concen: 39.798 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:142 Resp: 145741

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	34.0	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
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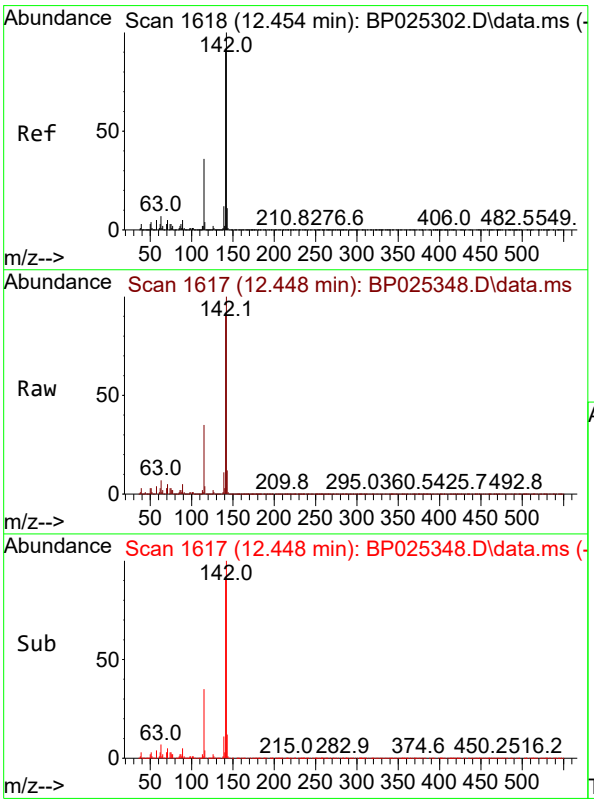
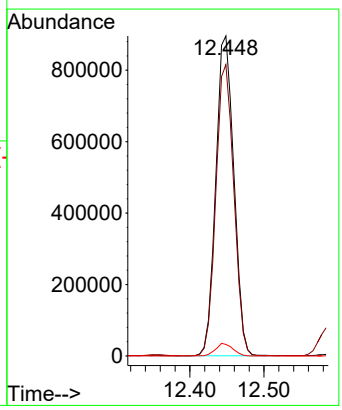
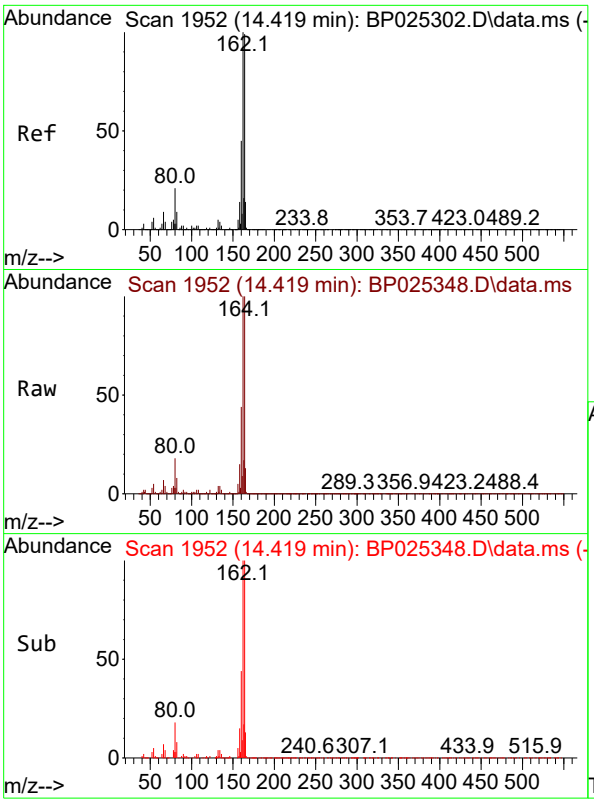


#38
1-Methylnaphthalene
Concen: 39.582 ng
RT: 12.448 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:142 Resp: 1512432

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.6
116	3.6	3.0	4.6

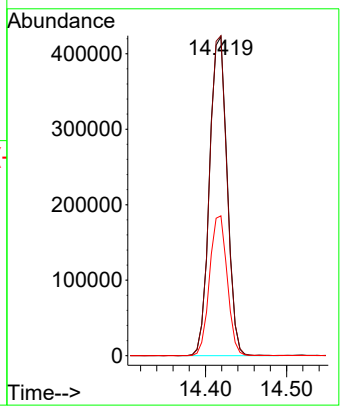




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:164 Resp: 635339

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	43.9	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
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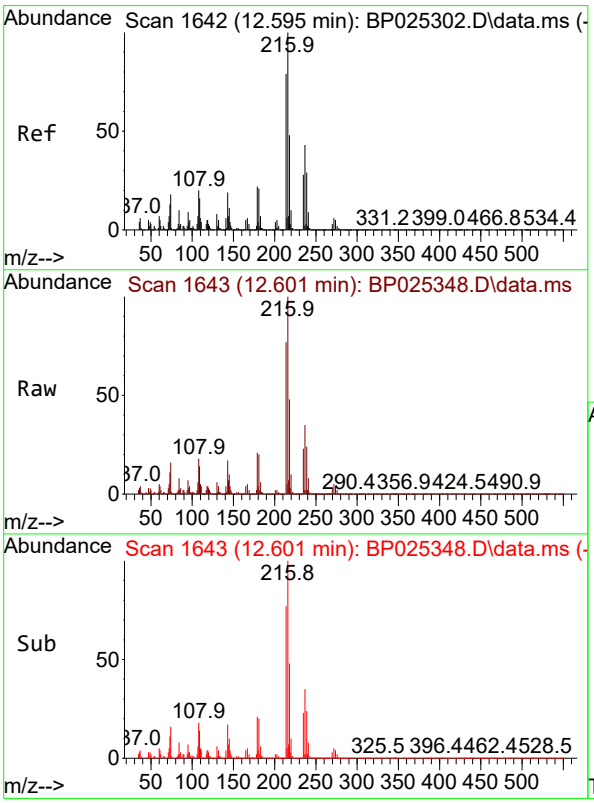
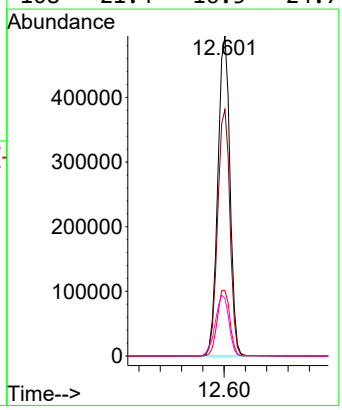
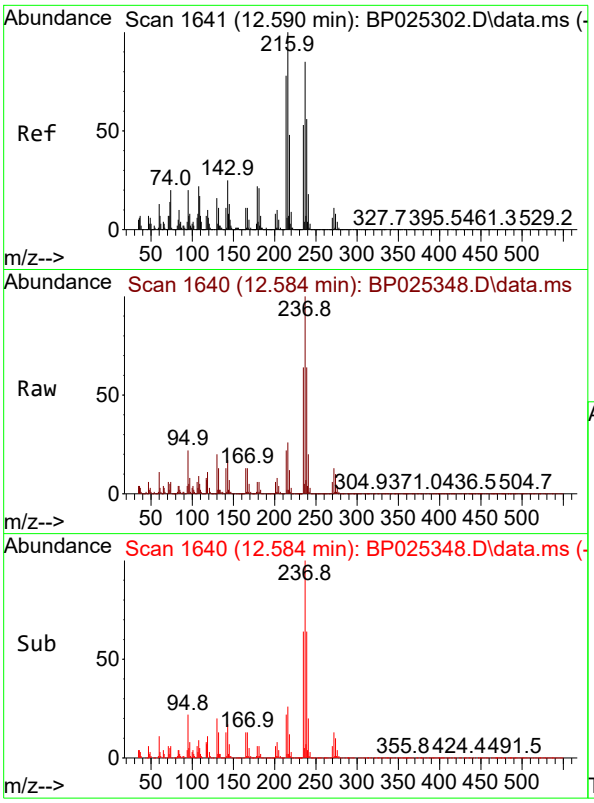


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.005 ng
RT: 12.601 min Scan# 1643
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:216 Resp: 780649

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.4	93.6
179	21.4	17.5	26.3
108	21.4	16.5	24.7

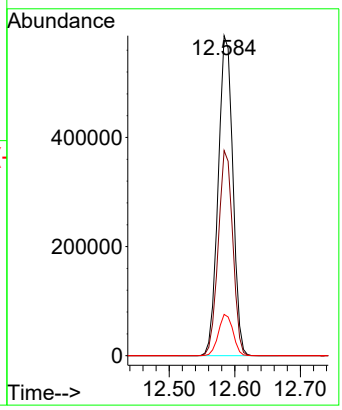




#41
Hexachlorocyclopentadiene
Concen: 84.477 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:237 Resp: 90436

Ion	Ratio	Lower	Upper
237	100		
235	64.1	42.2	82.2
272	12.9	0.0	32.8



Instrument :
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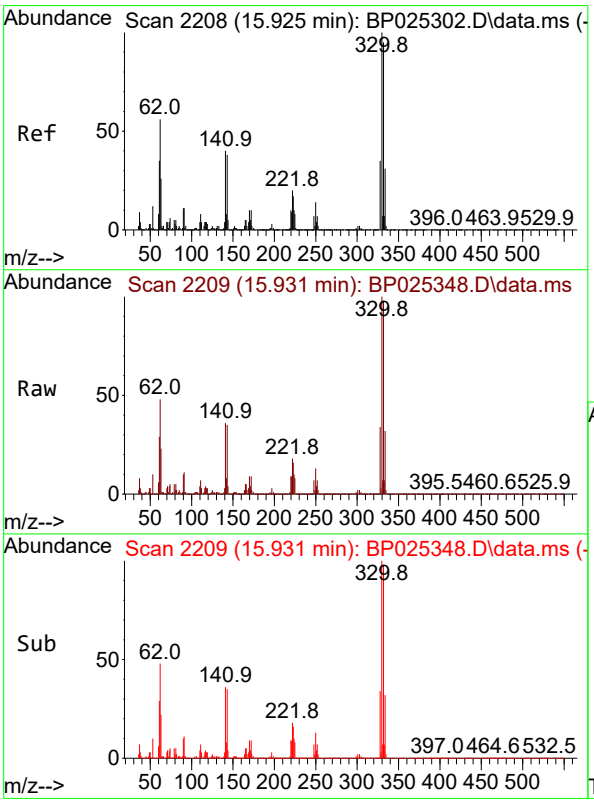
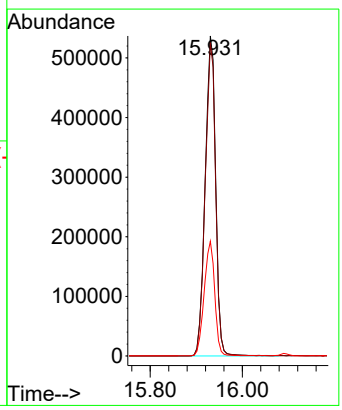
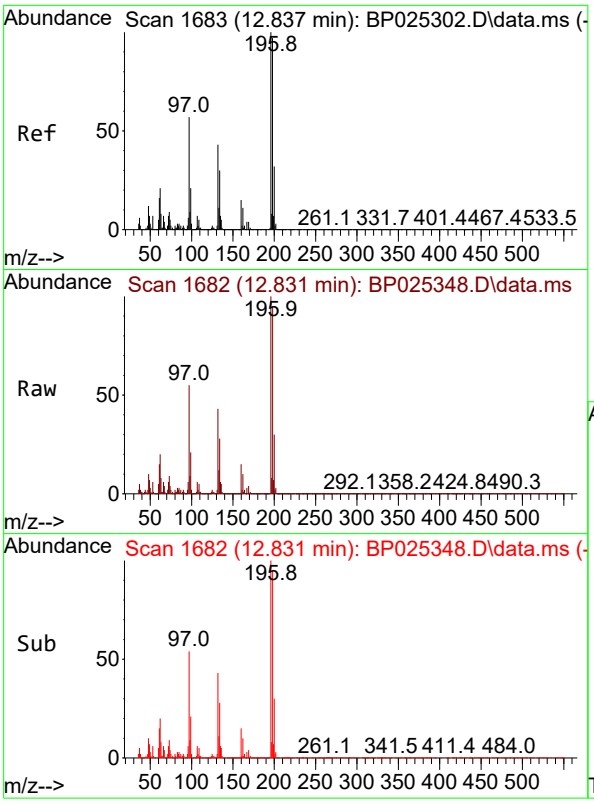


#42
2,4,6-Tribromophenol
Concen: 134.837 ng
RT: 15.931 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:330 Resp: 854626

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	36.1	31.7	47.5

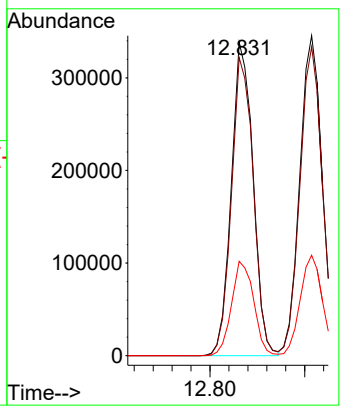




#43
2,4,6-Trichlorophenol
Concen: 48.215 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:196 Resp: 54026

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.3	115.9
200	30.1	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
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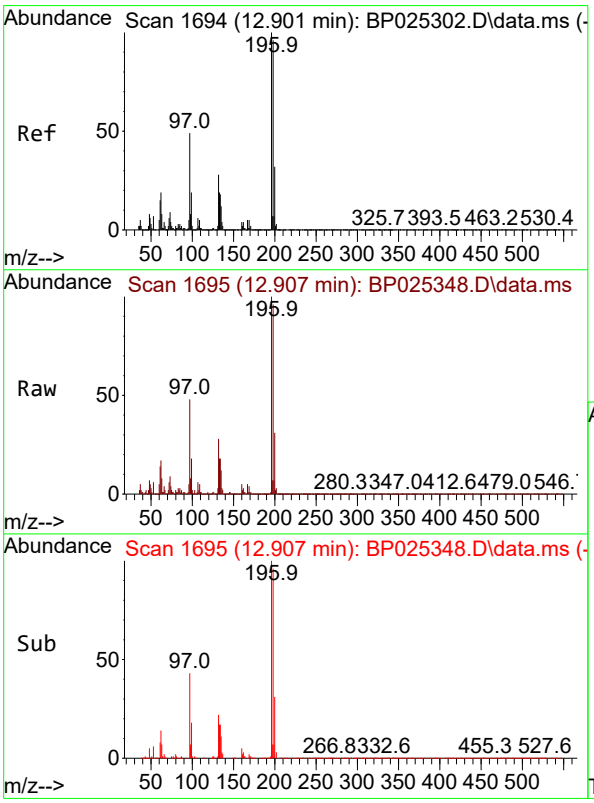
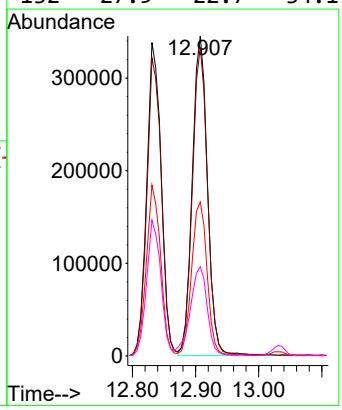
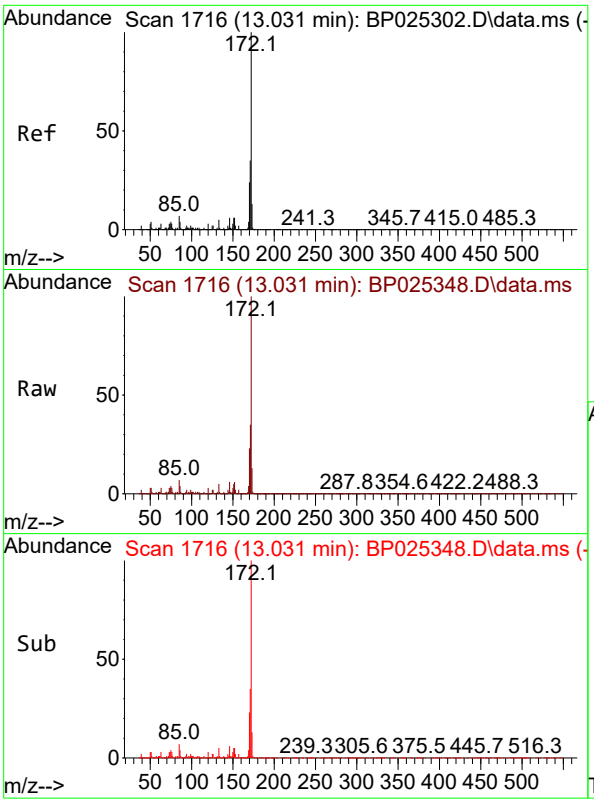


#44
2,4,5-Trichlorophenol
Concen: 45.920 ng
RT: 12.907 min Scan# 1695
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:196 Resp: 577205

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.6	114.8
97	48.1	39.5	59.3
132	27.9	22.7	34.1

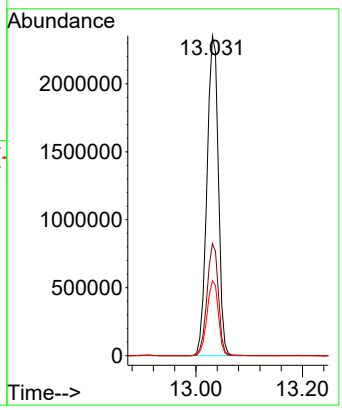




#45
2-Fluorobiphenyl
Concen: 75.838 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:172 Resp: 348844

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.4	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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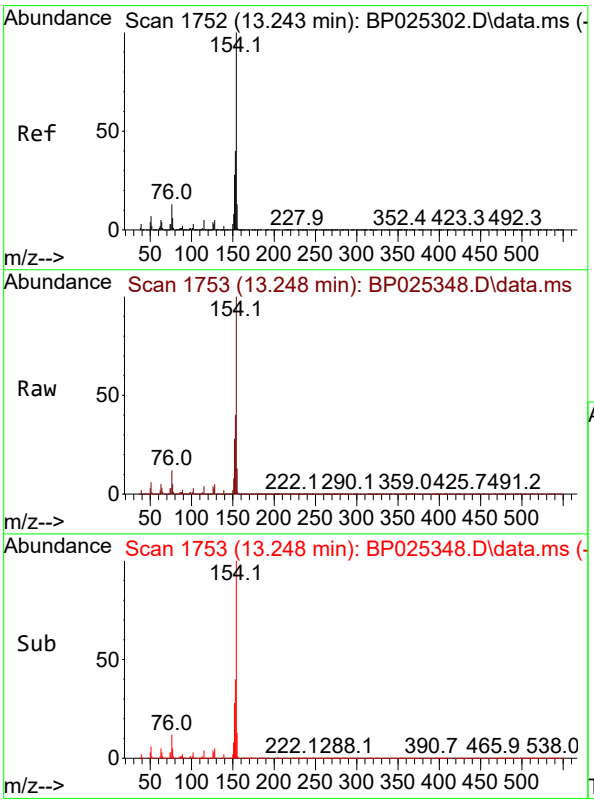
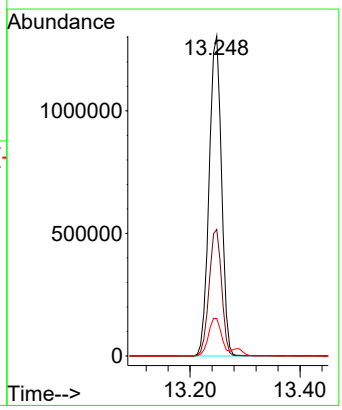
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

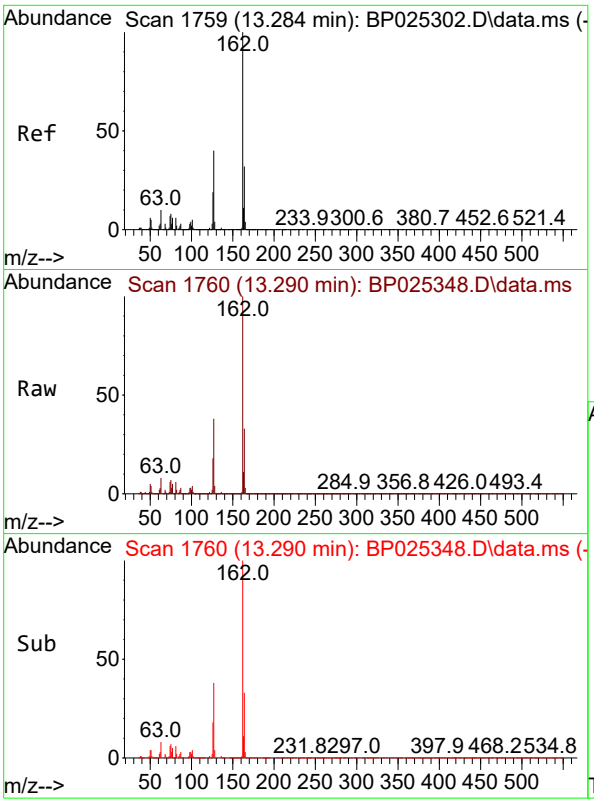


#46
1,1'-Biphenyl
Concen: 43.652 ng
RT: 13.248 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:154 Resp: 2043832

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.9	59.9
76	11.7	0.0	33.2

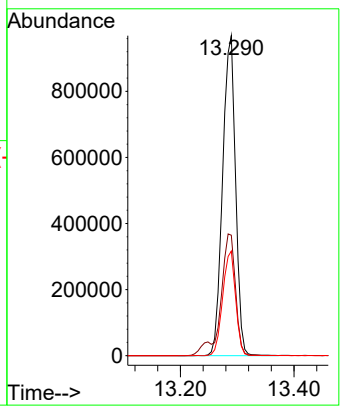




#47
2-Chloronaphthalene
Concen: 43.087 ng
RT: 13.290 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:162 Resp: 153910

Ion	Ratio	Lower	Upper
162	100		
127	37.6	32.2	48.2
164	32.7	25.9	38.9



Instrument :
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ClientSampleId :
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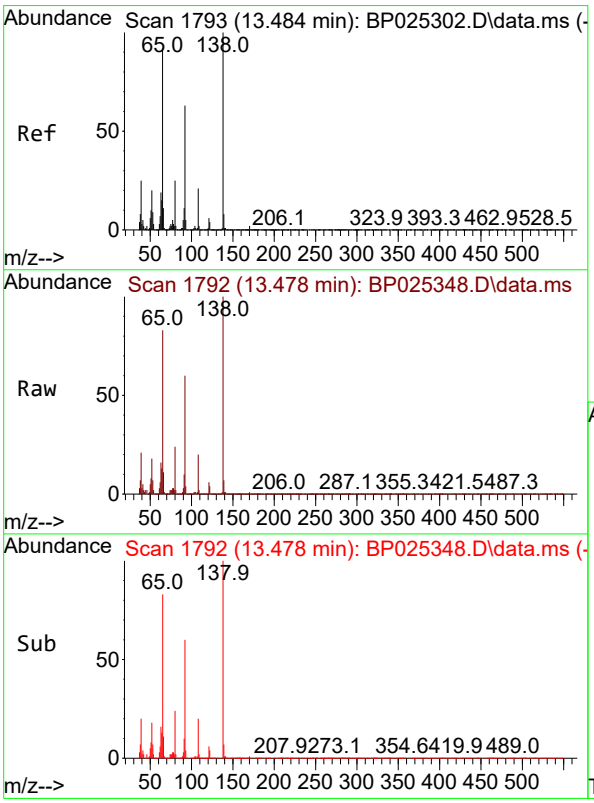
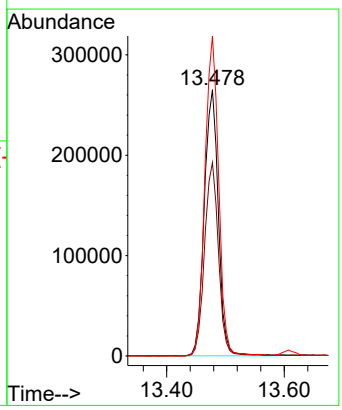
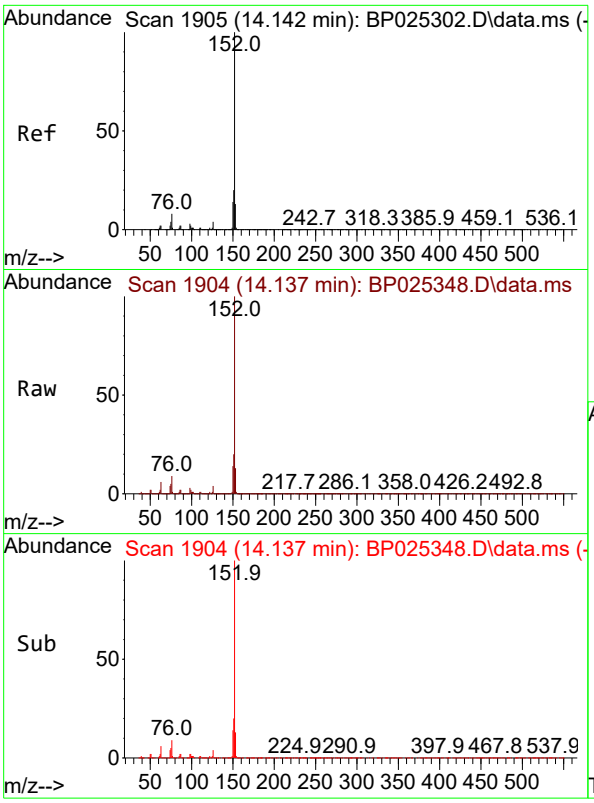


#48
2-Nitroaniline
Concen: 42.470 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 65 Resp: 440598

Ion	Ratio	Lower	Upper
65	100		
92	72.7	54.4	81.6
138	120.2	87.0	130.4

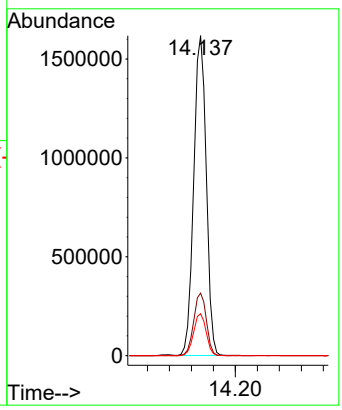




#49
Acenaphthylene
Concen: 42.900 ng
RT: 14.137 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:152 Resp: 255616

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.1	10.4	15.6



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ClientSampleId :
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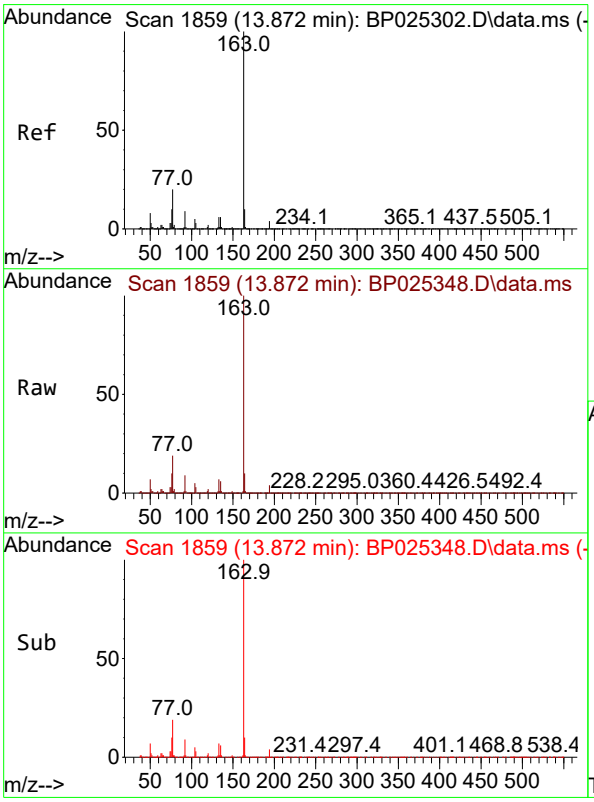
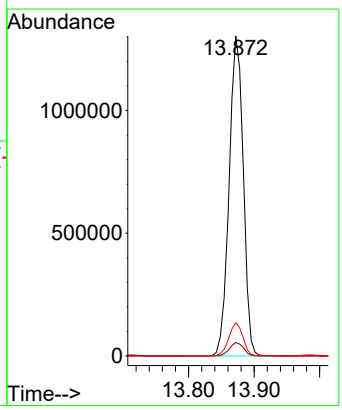
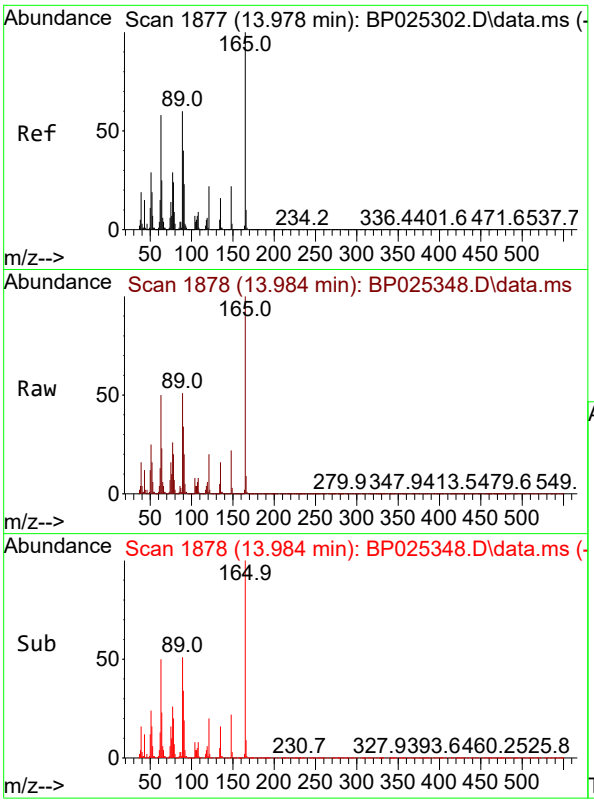


#50
Dimethylphthalate
Concen: 42.307 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:163 Resp: 1959493

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 47.755 ng
RT: 13.984 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:165 Resp: 40797

Ion	Ratio	Lower	Upper
165	100		
63	50.0	47.6	71.4
89	51.3	47.8	71.8

Instrument :
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ClientSampleId :
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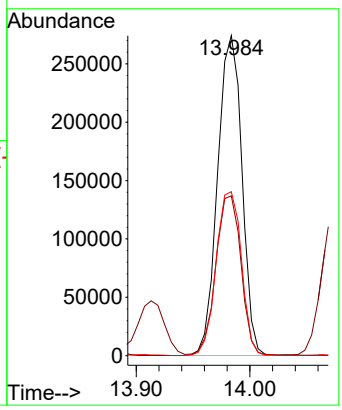
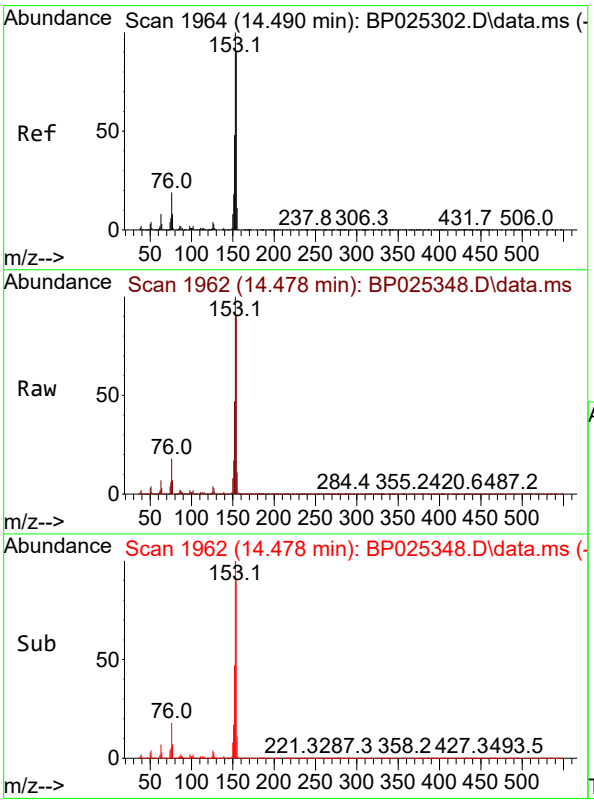
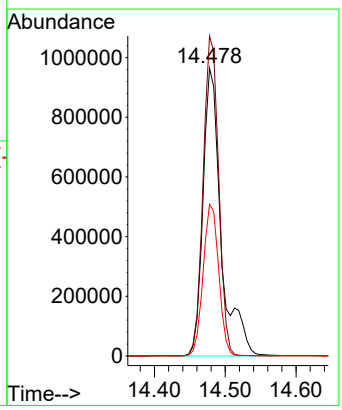


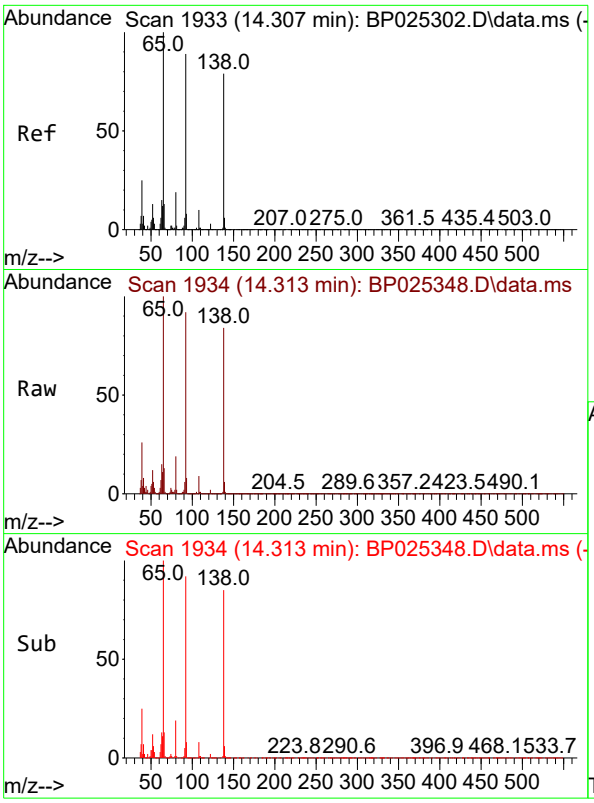


#52
Acenaphthene
Concen: 47.293 ng m
RT: 14.478 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:154 Resp: 1718843

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.4	134.0
152	52.8	43.0	64.6





#53
3-Nitroaniline
Concen: 18.160 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:138 Resp: 18154

Ion	Ratio	Lower	Upper
138	100		
108	10.6	10.5	15.7
92	109.2	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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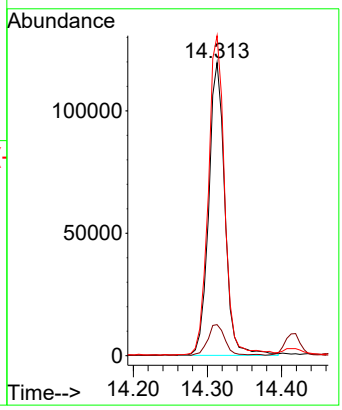
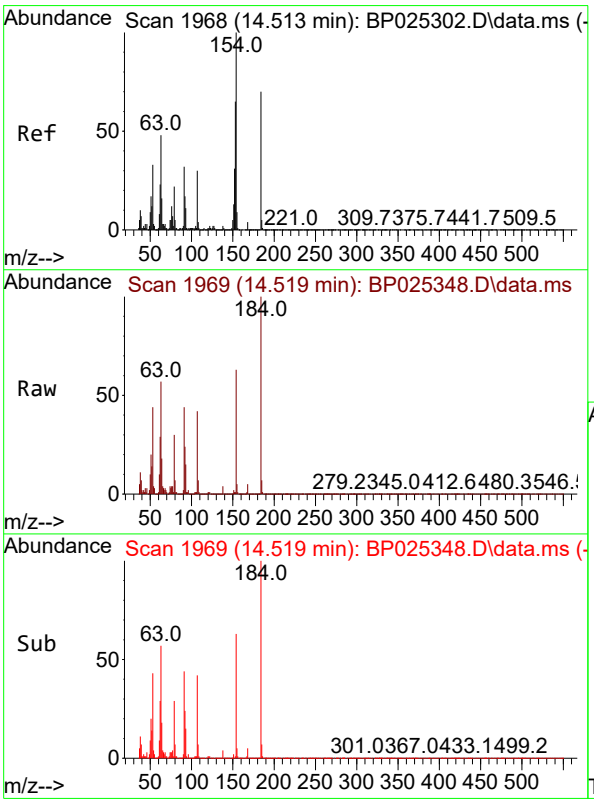
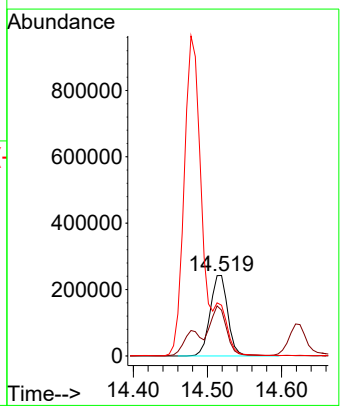


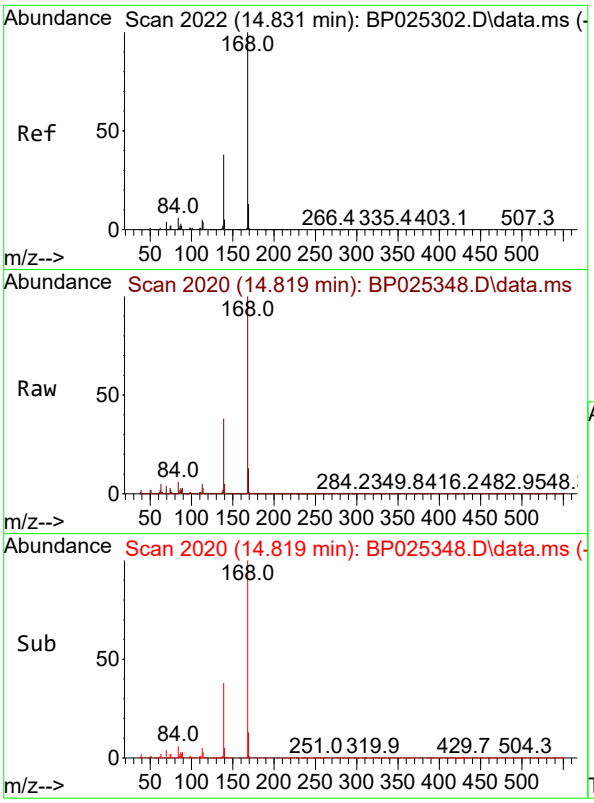


#54
2,4-Dinitrophenol
Concen: 82.623 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:184 Resp: 401165

Ion	Ratio	Lower	Upper
184	100		
63	56.8	56.3	84.5
154	63.0	124.5	186.7#

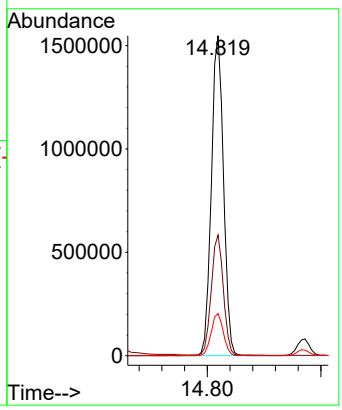




#55
Dibenzofuran
Concen: 41.989 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:168 Resp: 228050

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.5	45.7
169	13.2	10.6	15.8



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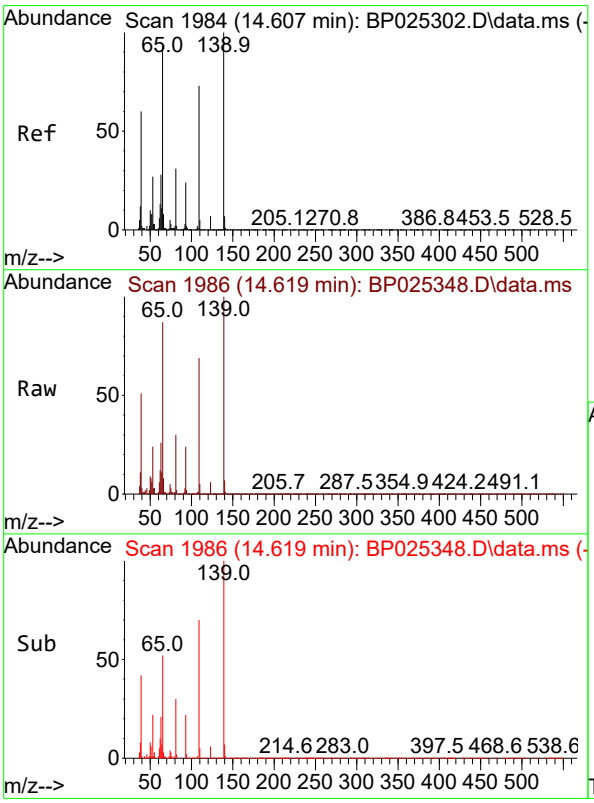
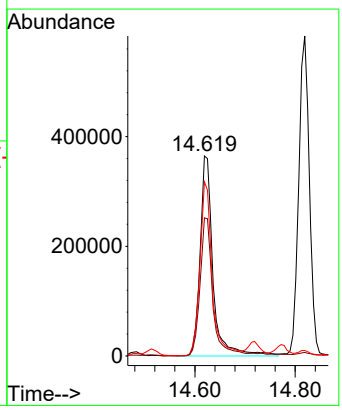
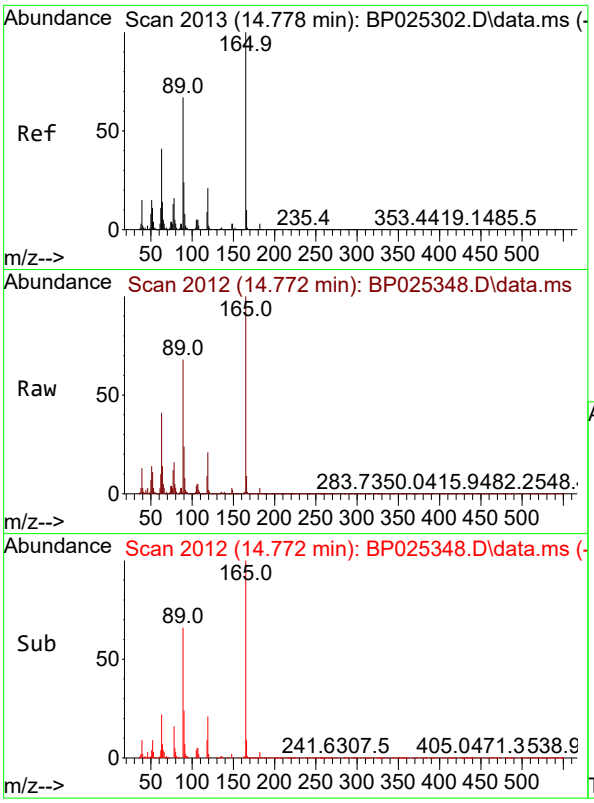


#56
4-Nitrophenol
Concen: 73.877 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:139 Resp: 651782

Ion	Ratio	Lower	Upper
139	100		
109	69.0	52.7	92.7
65	87.0	73.4	113.4

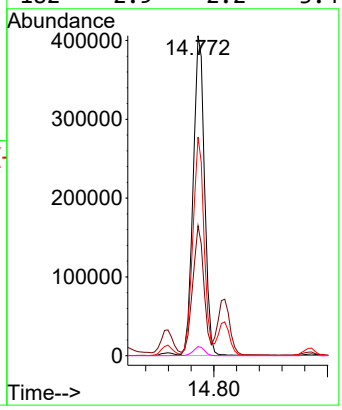




#57
2,4-Dinitrotoluene
Concen: 43.044 ng
RT: 14.772 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:165 Resp: 56526

Ion	Ratio	Lower	Upper
165	100		
63	40.6	33.2	49.8
89	68.3	53.5	80.3
182	2.9	2.2	3.4



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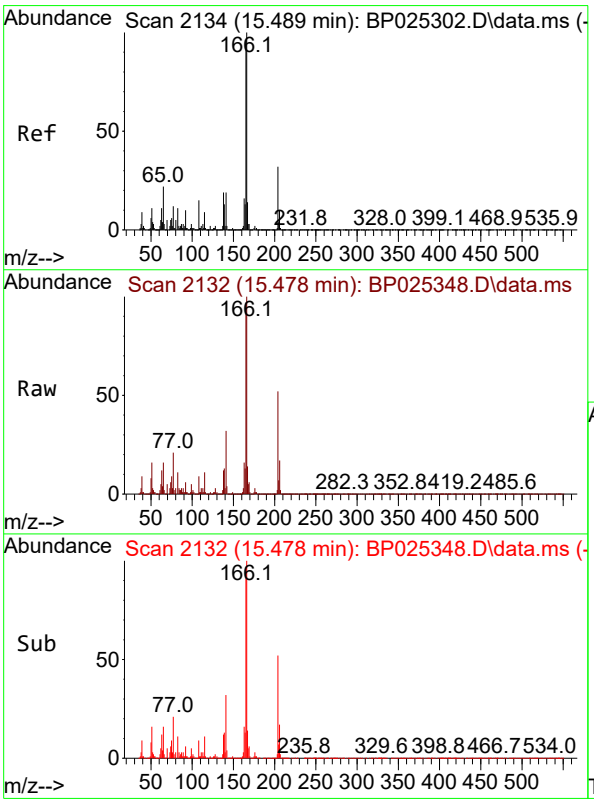
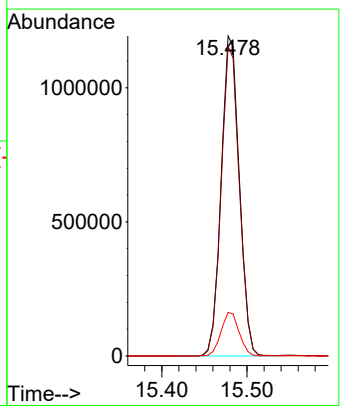
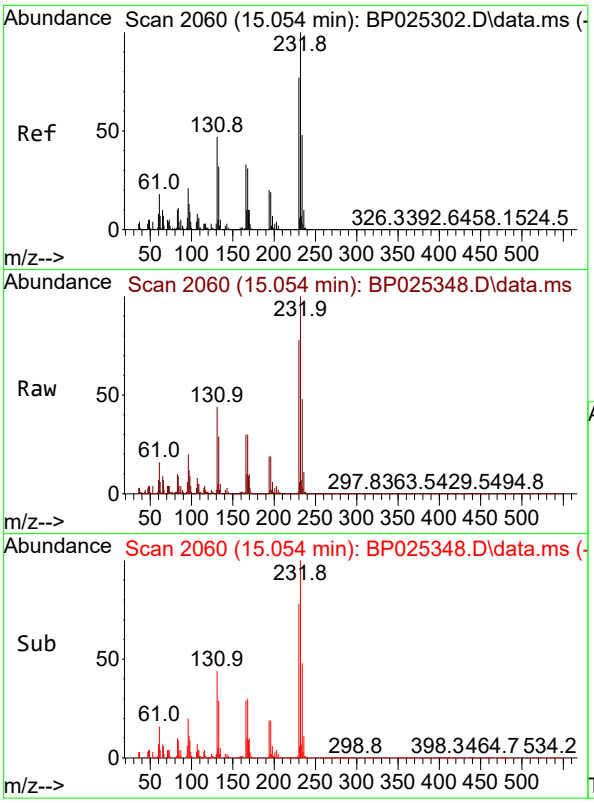


#58
Fluorene
Concen: 41.401 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.011 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:166 Resp: 1766085

Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.7	115.1
167	13.6	10.9	16.3

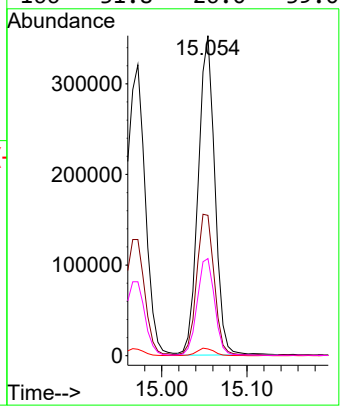




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.508 ng
RT: 15.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:232 Resp: 47783

Ion	Ratio	Lower	Upper
232	100		
131	46.2	39.3	58.9
130	2.4	2.2	3.2
166	31.8	26.0	39.0



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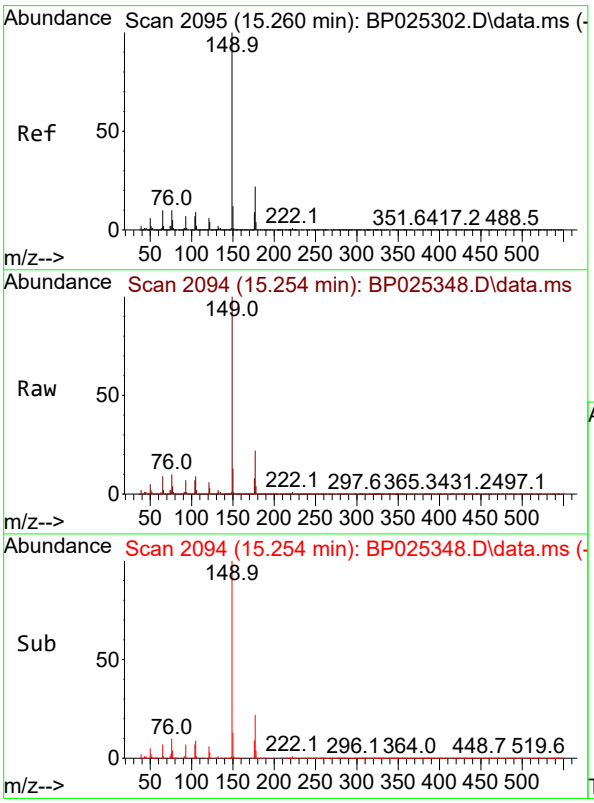
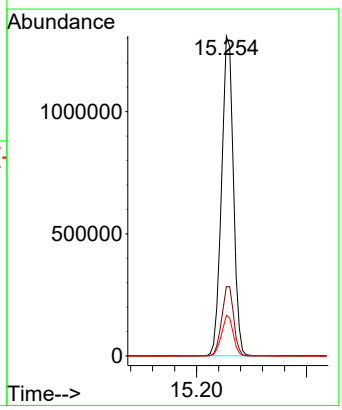
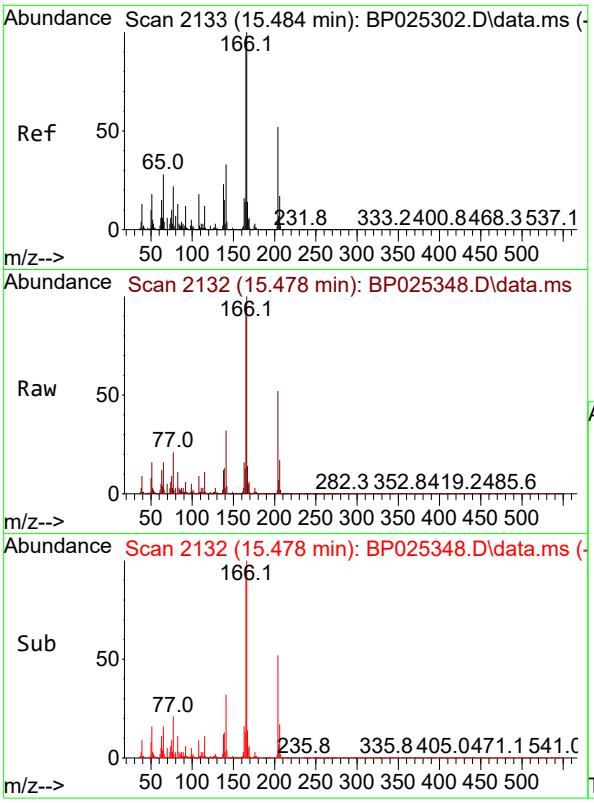


#60
Diethylphthalate
Concen: 41.812 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:149 Resp: 1952372

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.2
150	12.7	9.8	14.8

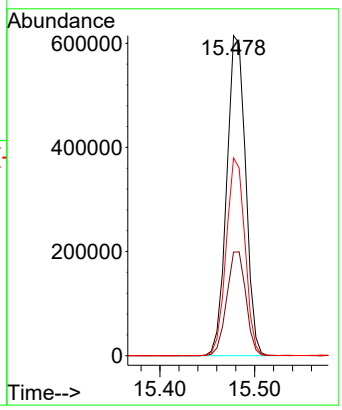




#61
4-Chlorophenyl-phenylether
Concen: 42.025 ng
RT: 15.478 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:204 Resp: 84988

Ion	Ratio	Lower	Upper
204	100		
206	32.4	27.0	40.4
141	61.8	50.3	75.5



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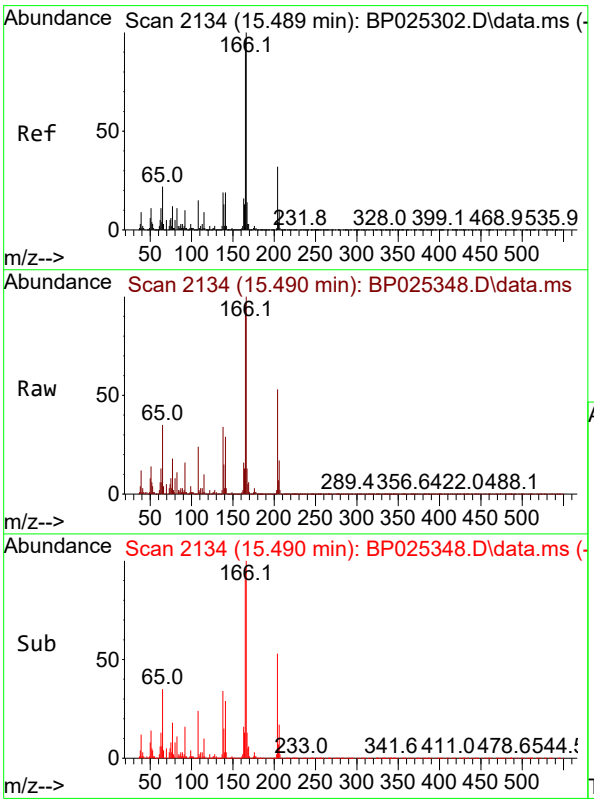
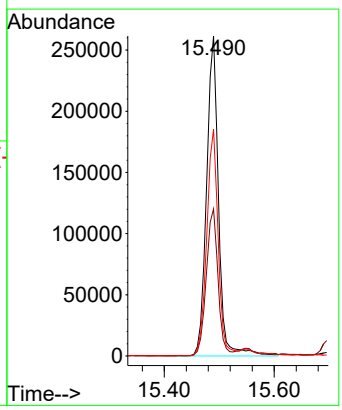
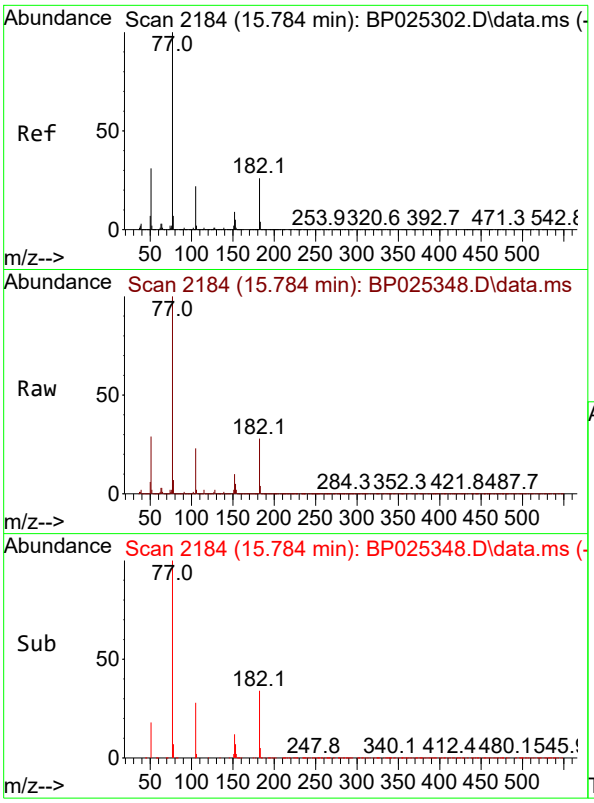


#62
4-Nitroaniline
Concen: 39.797 ng
RT: 15.490 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:138 Resp: 394195

Ion	Ratio	Lower	Upper
138	100		
92	46.0	29.8	69.8
108	70.9	56.6	96.6

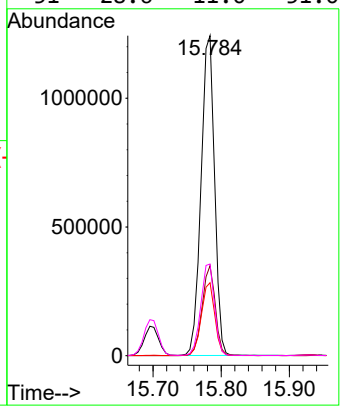




#63
Azobenzene
Concen: 39.493 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion: 77 Resp: 171315

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.0	46.0
105	22.8	2.1	42.1
51	28.6	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
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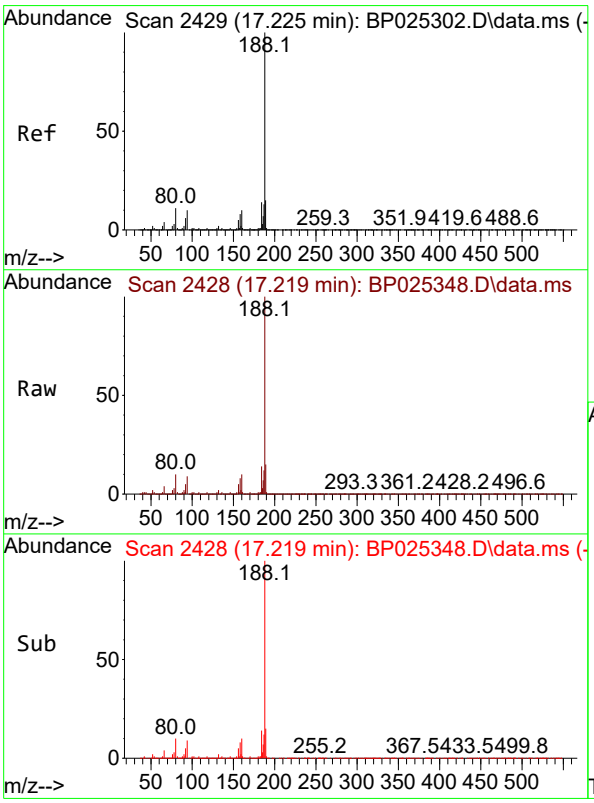
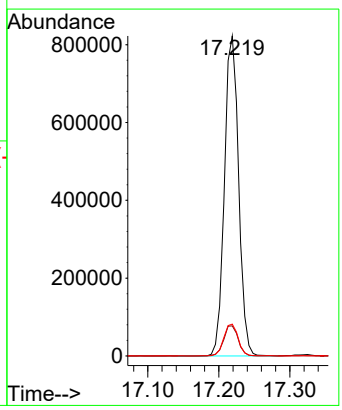
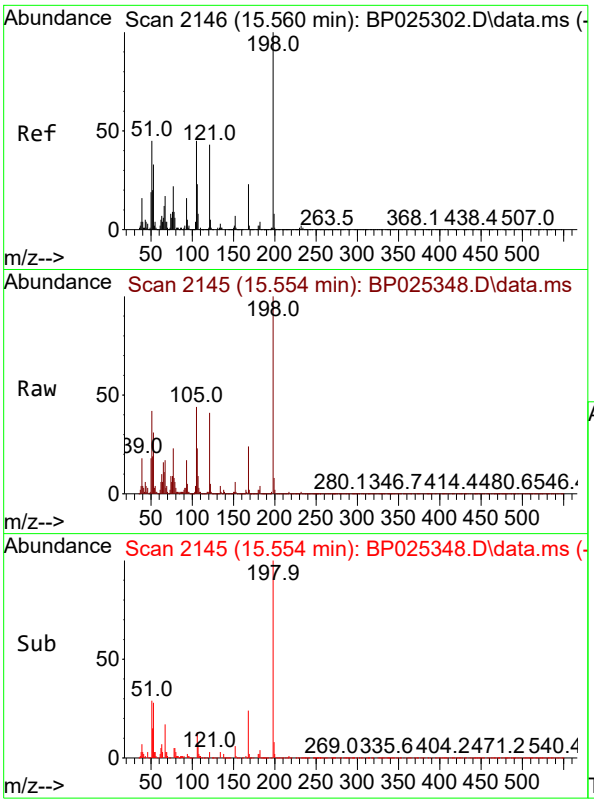


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:188 Resp: 1137392

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	9.9	8.5	12.7

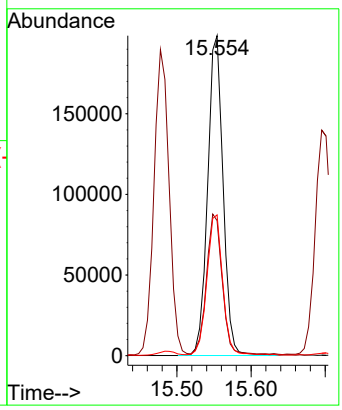




#65
4,6-Dinitro-2-methylphenol
Concen: 54.239 ng
RT: 15.554 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:198 Resp: 28672

Ion	Ratio	Lower	Upper
198	100		
51	42.2	26.7	66.7
105	44.0	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
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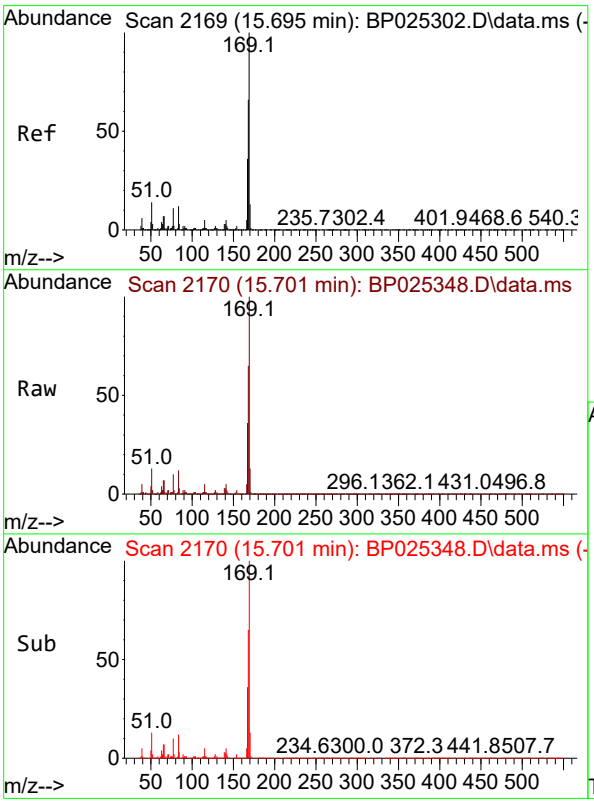
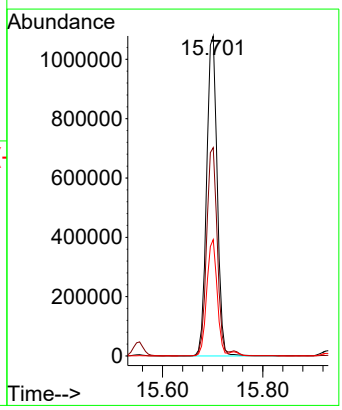
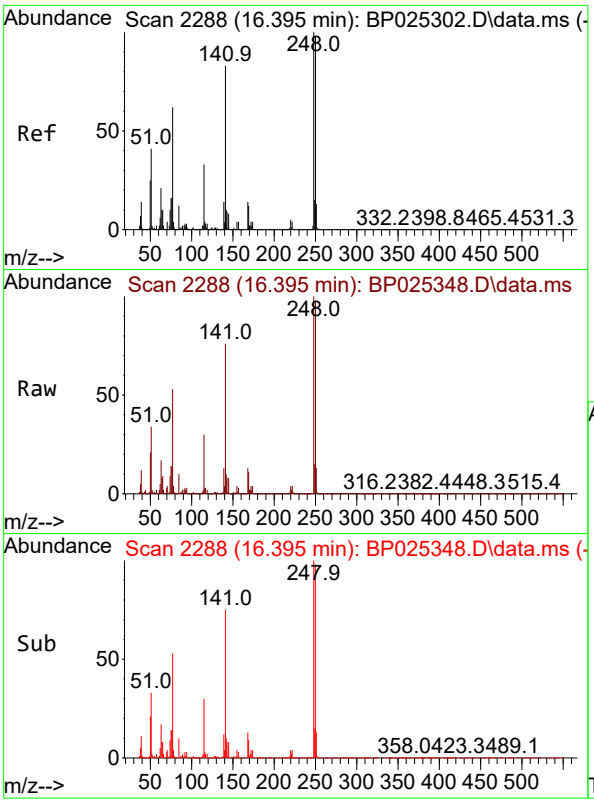


#66
n-Nitrosodiphenylamine
Concen: 45.674 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:169 Resp: 1581762

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.8	79.2
167	36.4	28.5	42.7

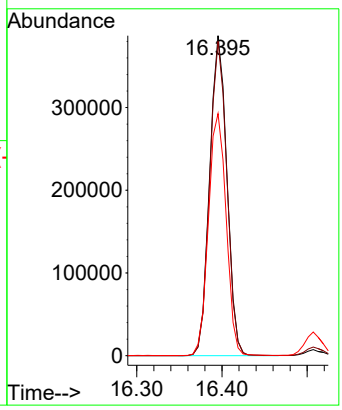




#67
4-Bromophenyl-phenylether
Concen: 47.559 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:248 Resp: 54426

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	117.8
141	75.7	66.6	99.8



Instrument :
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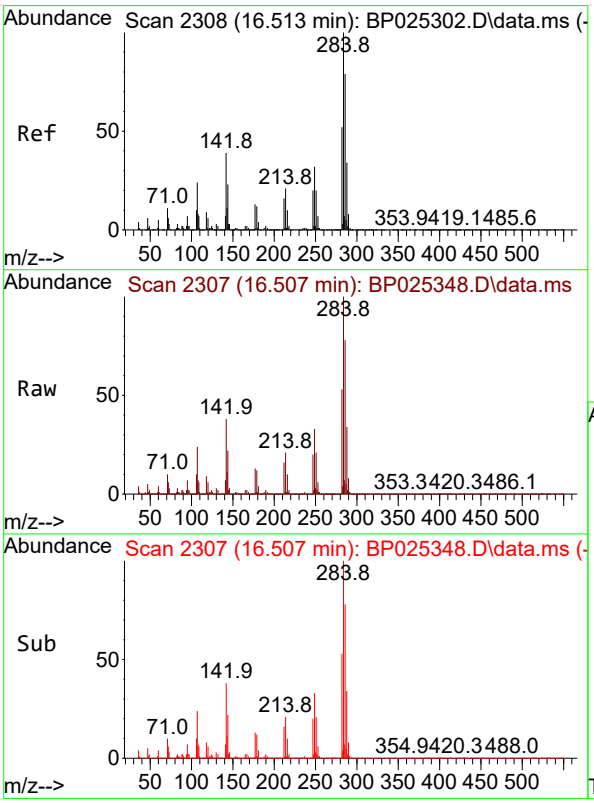
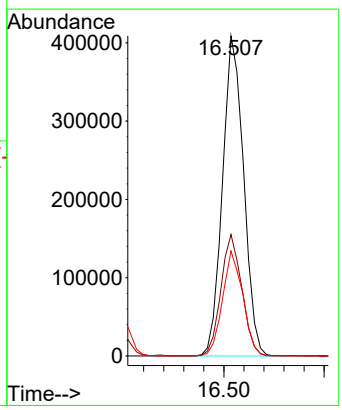
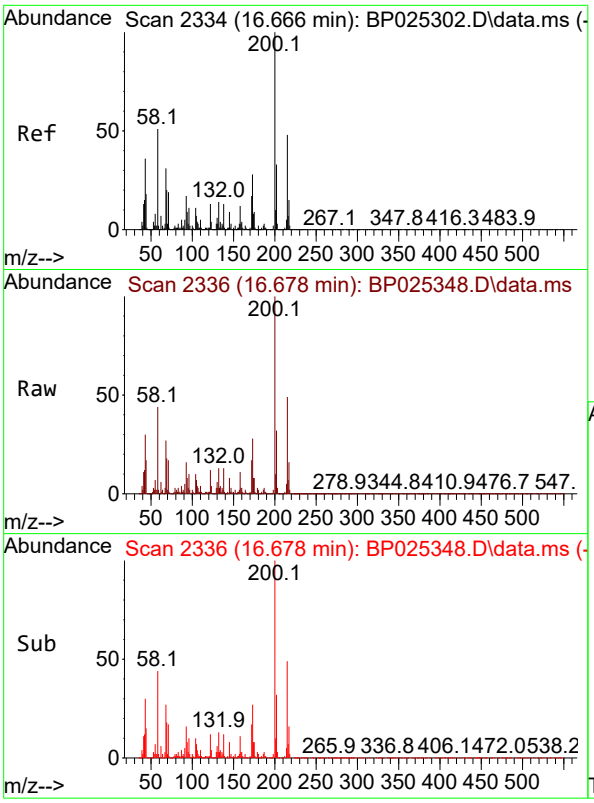


#68
Hexachlorobenzene
Concen: 46.539 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:284 Resp: 597613

Ion	Ratio	Lower	Upper
284	100		
142	38.0	30.8	46.2
249	32.8	25.4	38.0

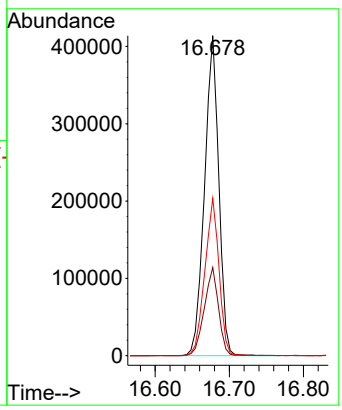




#69
Atrazine
Concen: 45.380 ng
RT: 16.678 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:200 Resp: 55267

Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.2	48.2
215	49.2	28.1	68.1



Instrument :
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ClientSampleId :
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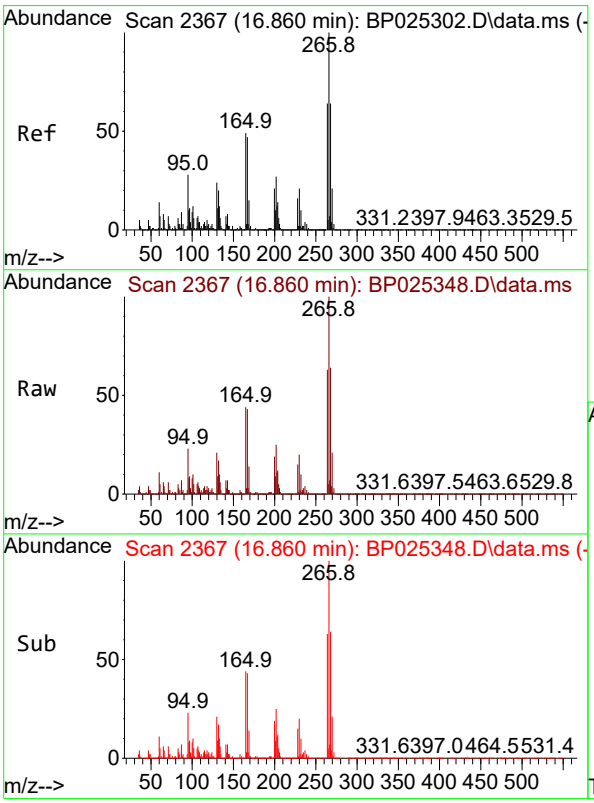
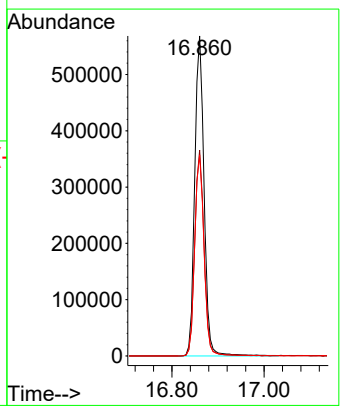
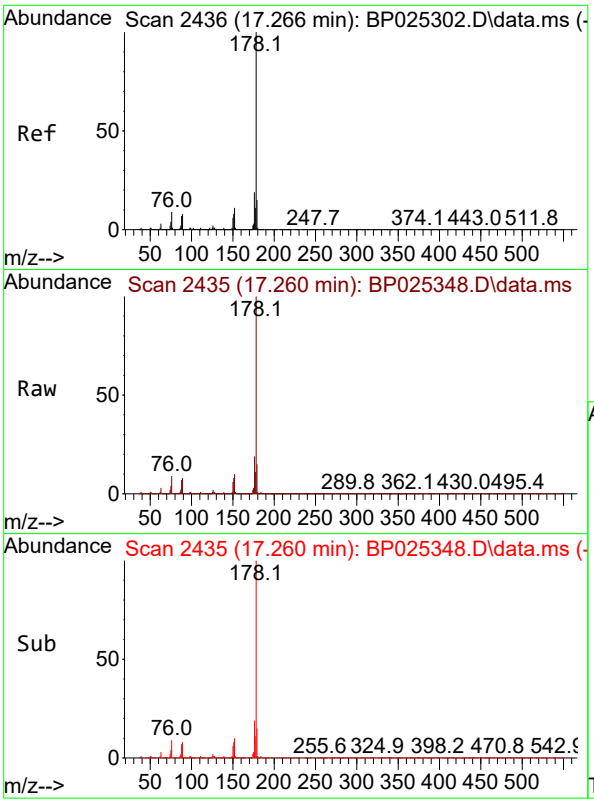


#70
Pentachlorophenol
Concen: 97.669 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:266 Resp: 799036

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.4	77.0
264	62.8	51.1	76.7

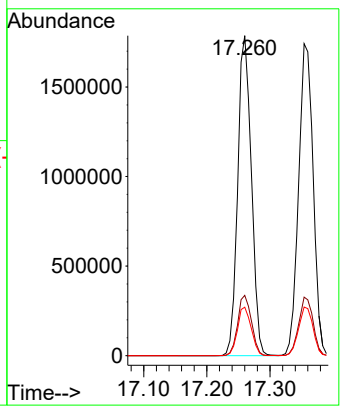




#71
Phenanthrene
Concen: 43.125 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:178 Resp: 268655

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.1	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
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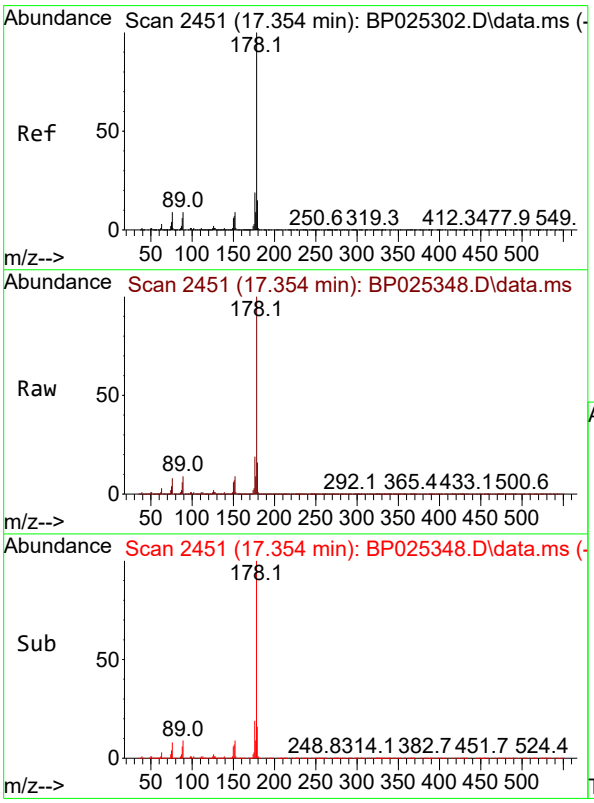
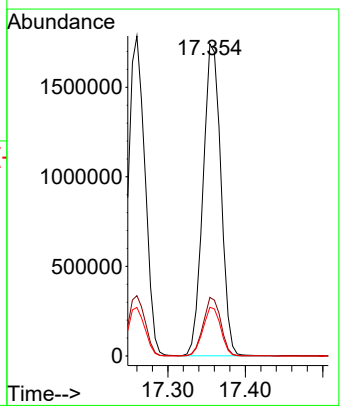
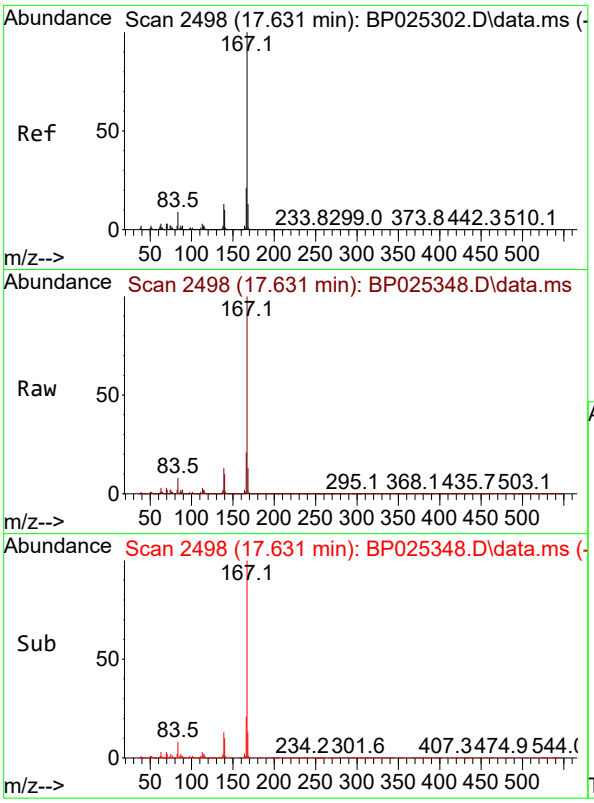


#72
Anthracene
Concen: 44.414 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:178 Resp: 2789778

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.3	18.5

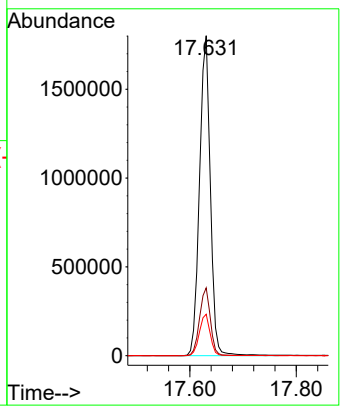




#73
Carbazole
Concen: 41.984 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:167 Resp: 253147

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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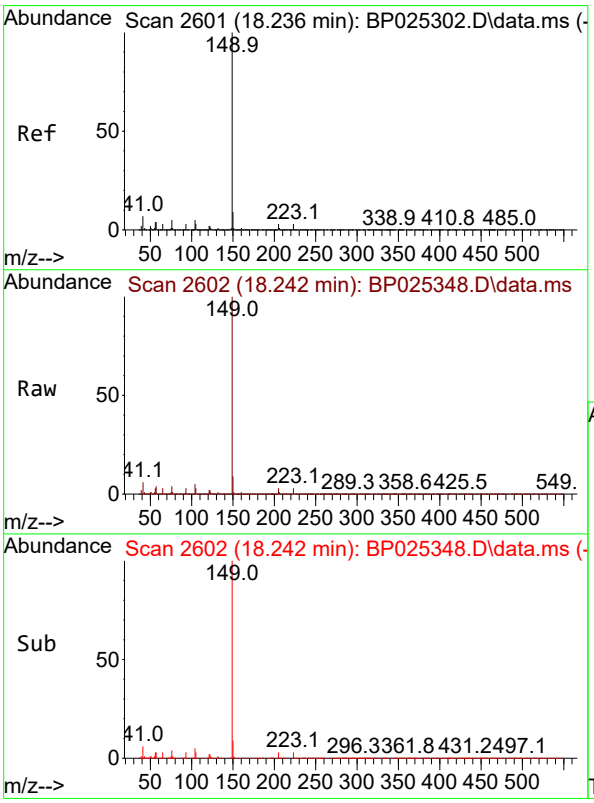
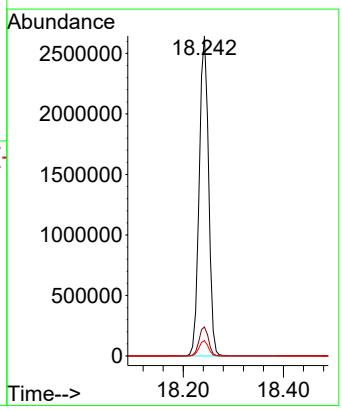
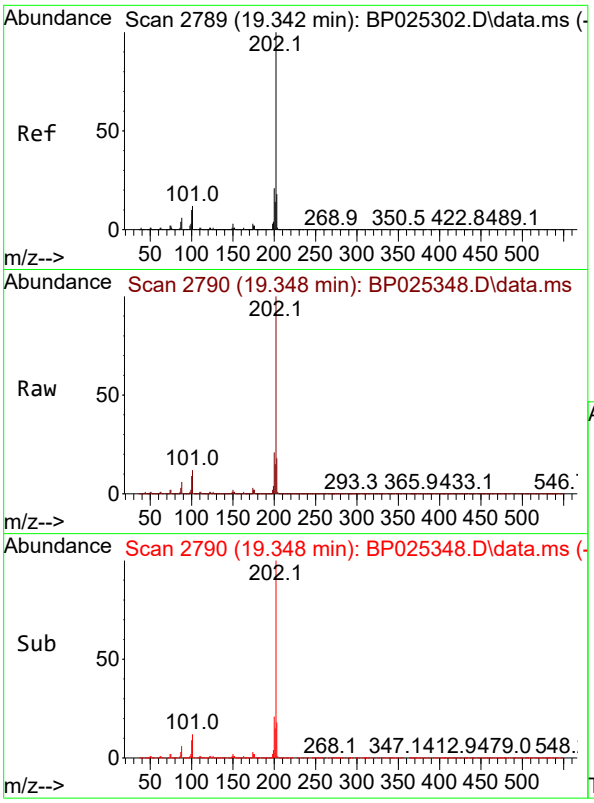


#74
Di-n-butylphthalate
Concen: 46.819 ng
RT: 18.242 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:149 Resp: 3415192

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.8	4.1	6.1





#75
Fluoranthene
Concen: 41.611 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:202 Resp: 300080

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.5
203	17.7	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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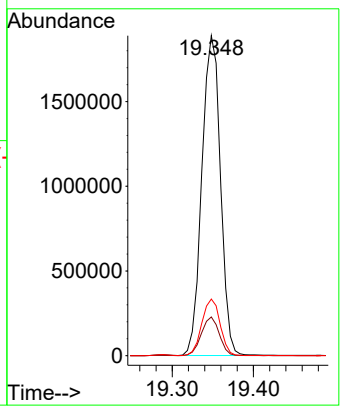
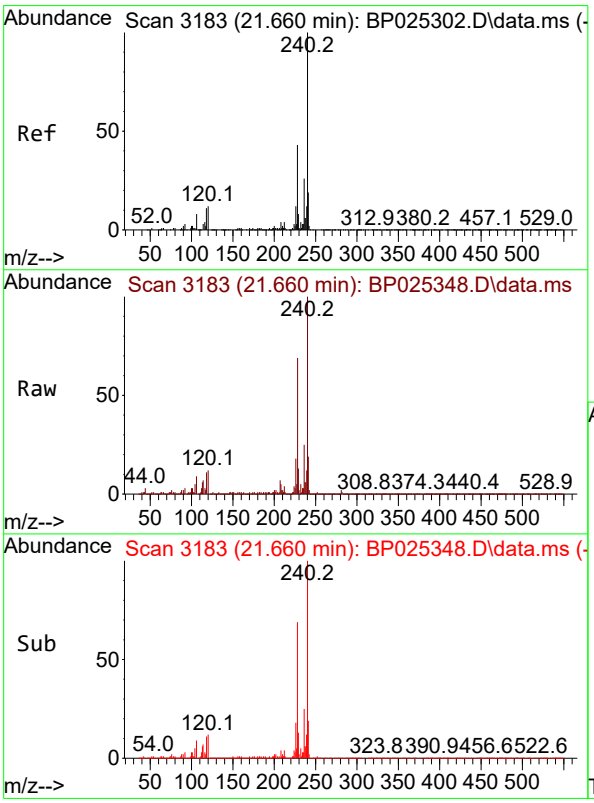
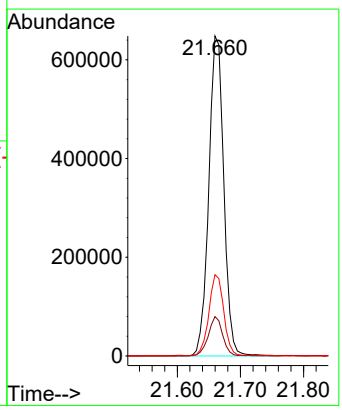


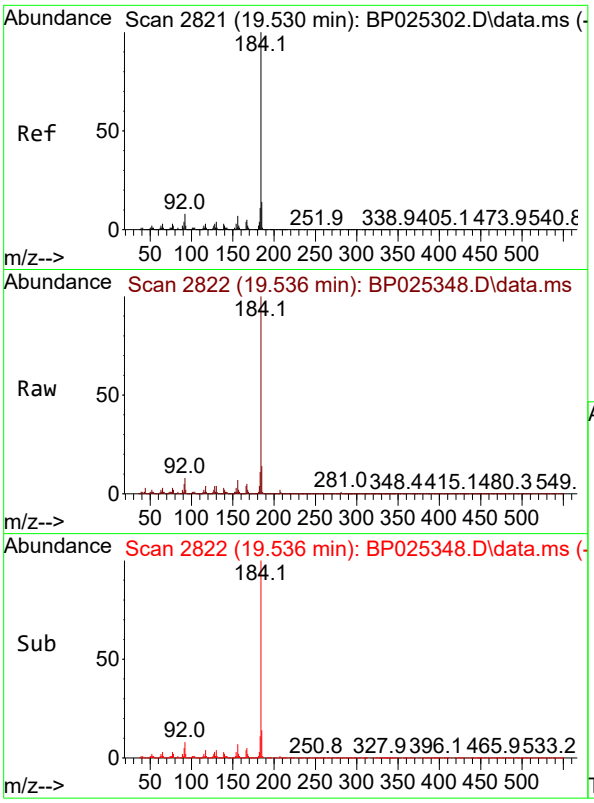


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:240 Resp: 1068119

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.6	14.4
236	25.4	20.4	30.6

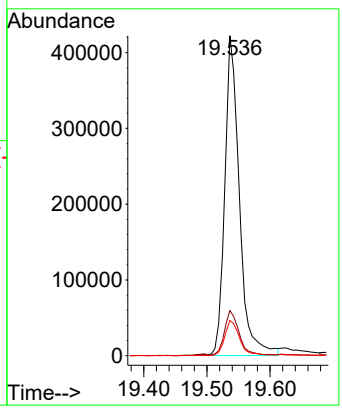




#77
Benzidine
Concen: 17.560 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:184 Resp: 67888

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.0	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
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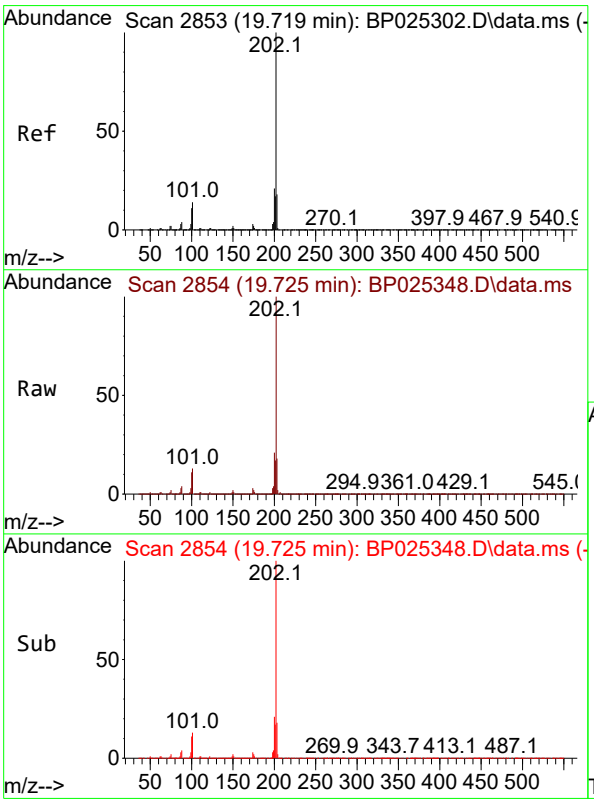
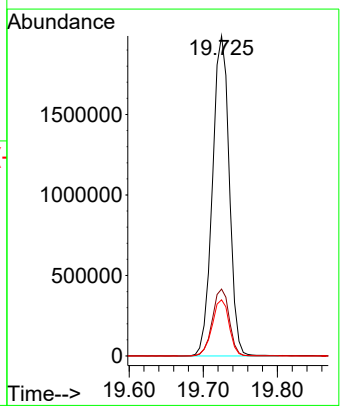
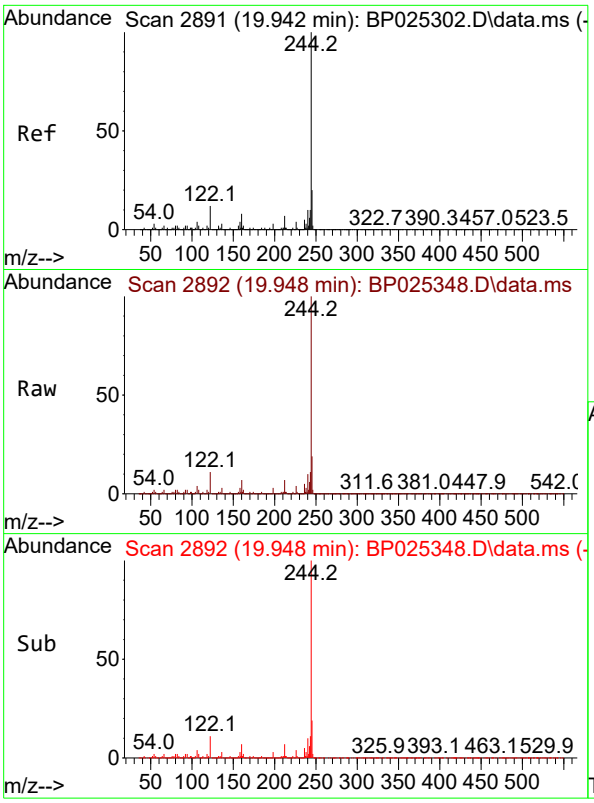


#78
Pyrene
Concen: 43.949 ng
RT: 19.725 min Scan# 2854
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:202 Resp: 3121618

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

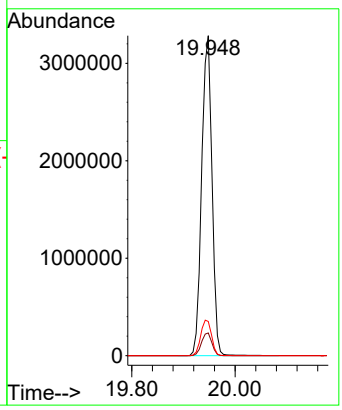




#79
Terphenyl-d14
Concen: 80.504 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:244 Resp: 455254

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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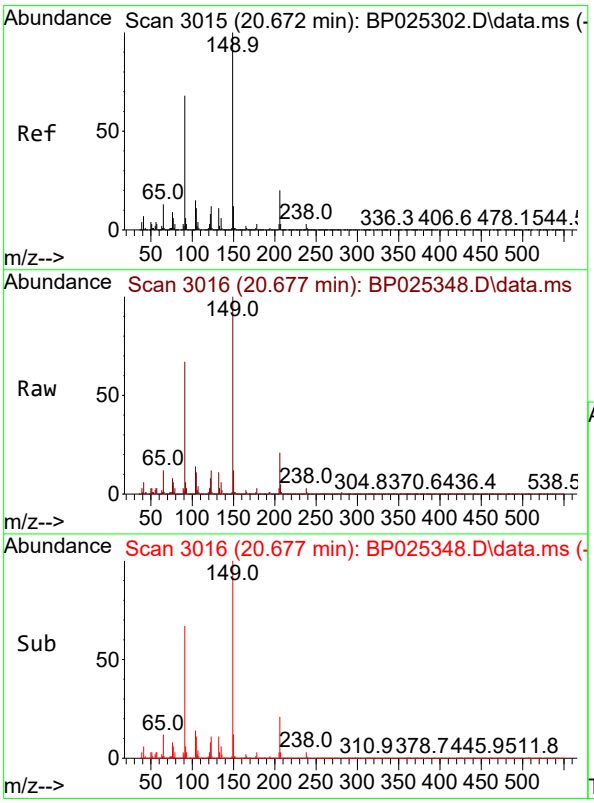
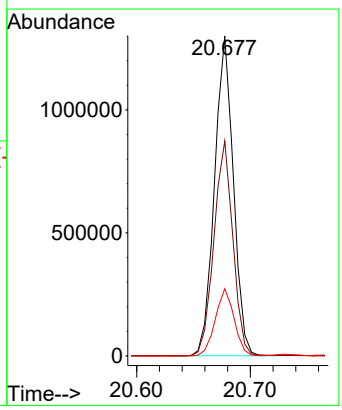
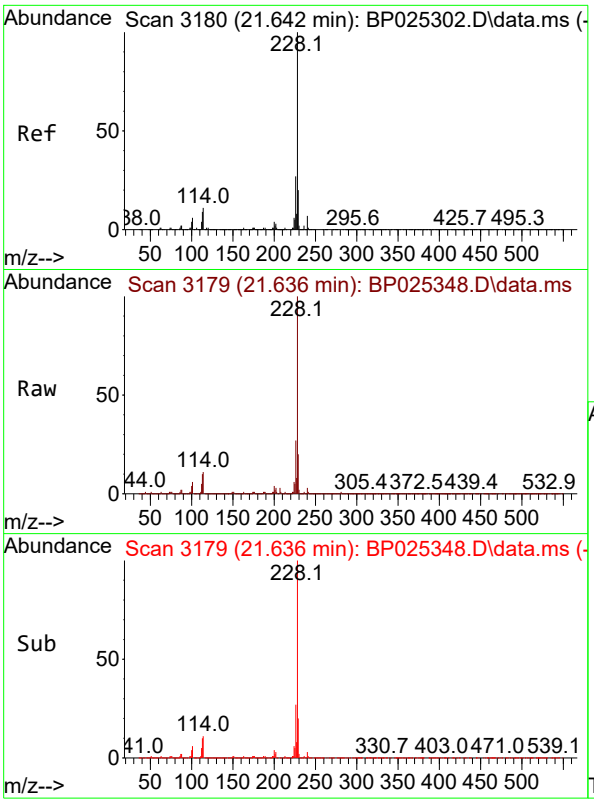


#80
Butylbenzylphthalate
Concen: 52.042 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:149 Resp: 1499148

Ion	Ratio	Lower	Upper
149	100		
91	67.2	54.7	82.1
206	21.0	16.4	24.6

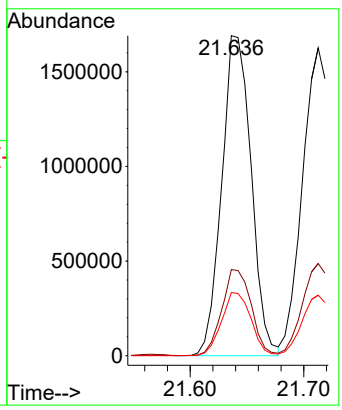




#81
Benzo(a)anthracene
Concen: 42.952 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:228 Resp: 304874

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

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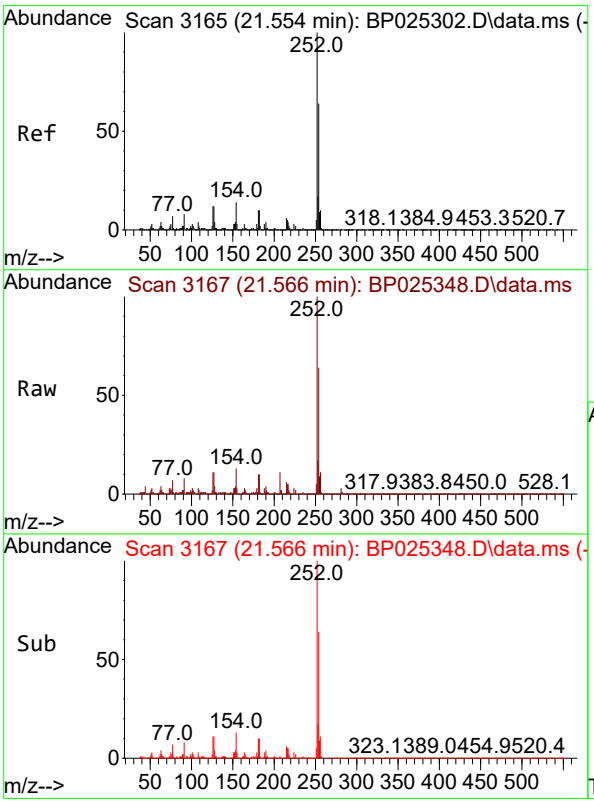
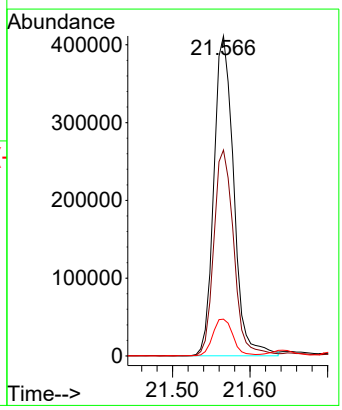
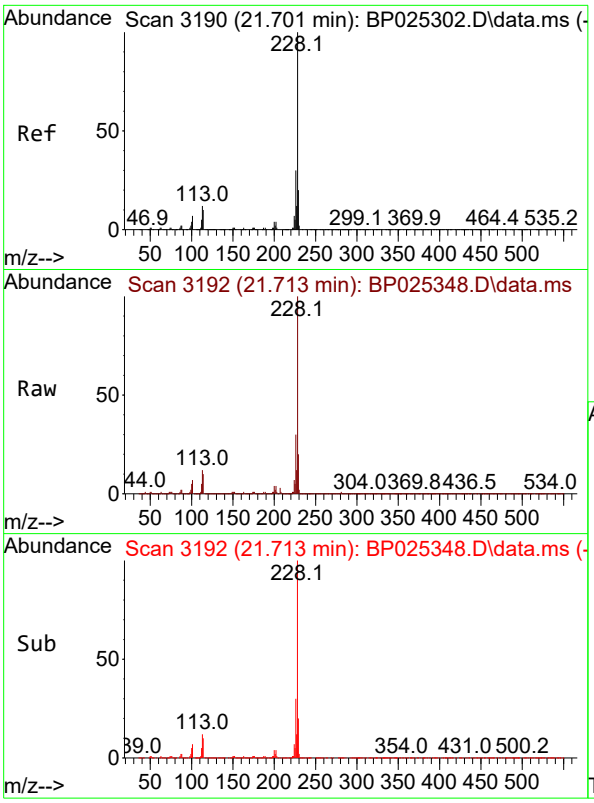


#82
3,3'-Dichlorobenzidine
Concen: 29.267 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:252 Resp: 732934

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	11.5	9.4	14.2

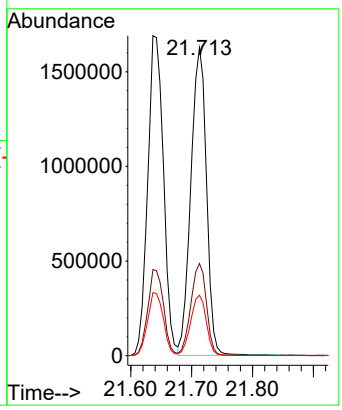




#83
Chrysene
Concen: 44.060 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:228 Resp: 290063

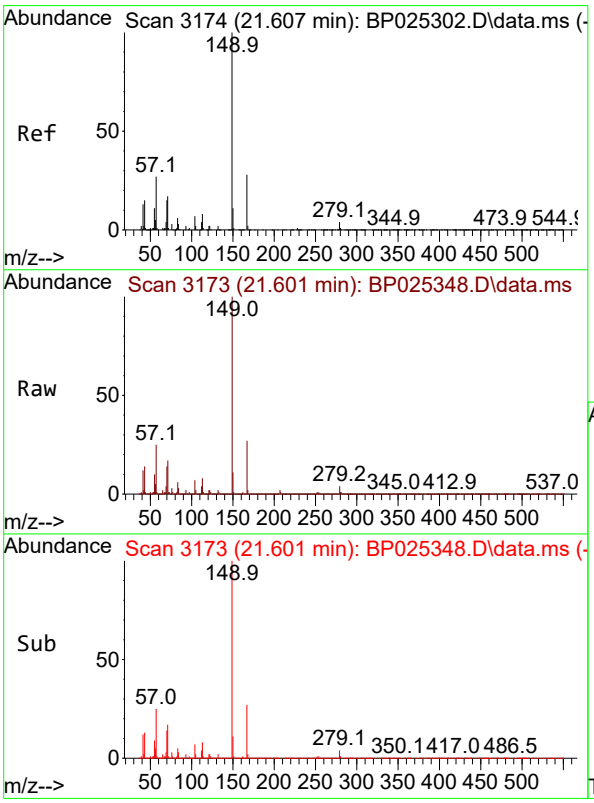
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.7	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

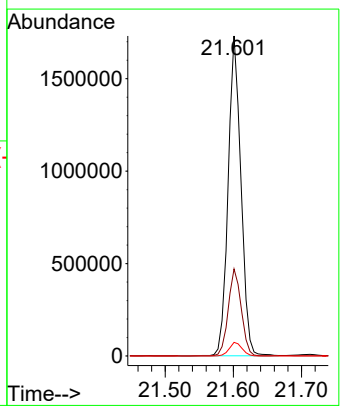
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

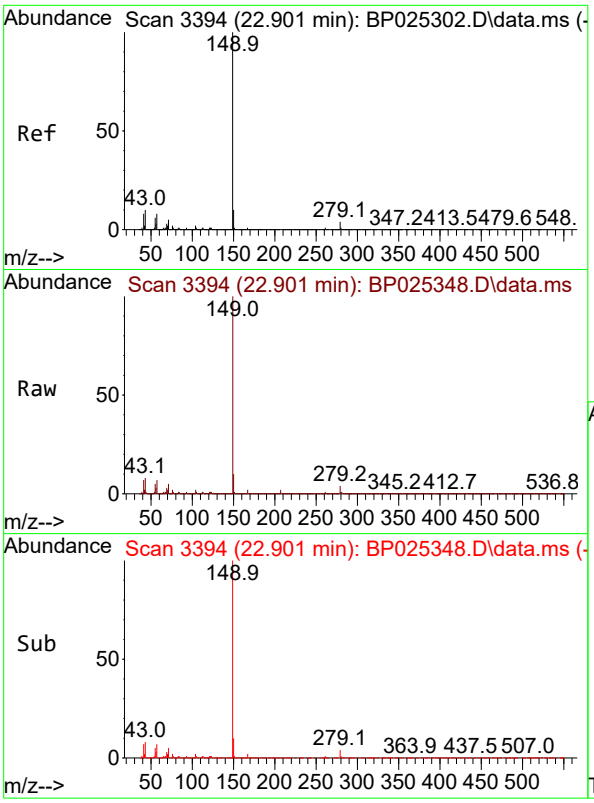


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.211 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:149 Resp: 2263580

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.3	3.4	5.2

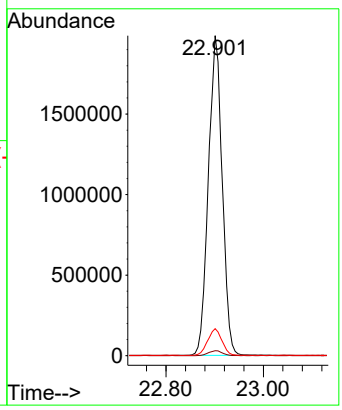




#85
Di-n-octyl phthalate
Concen: 50.663 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:149 Resp: 390055

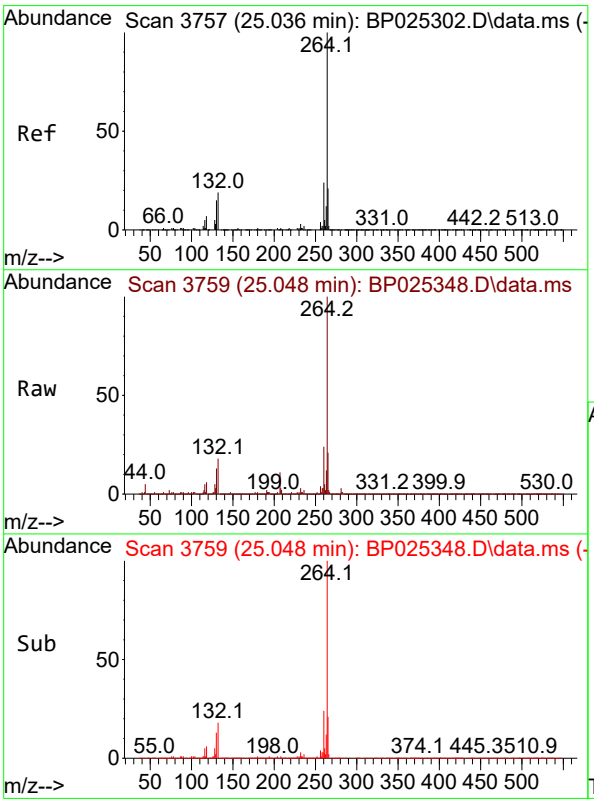
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

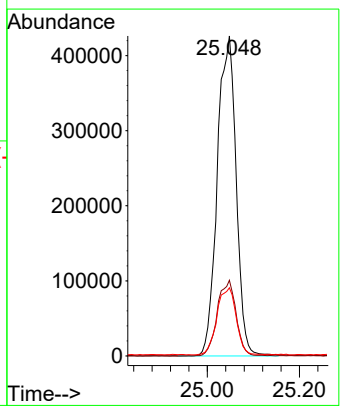
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

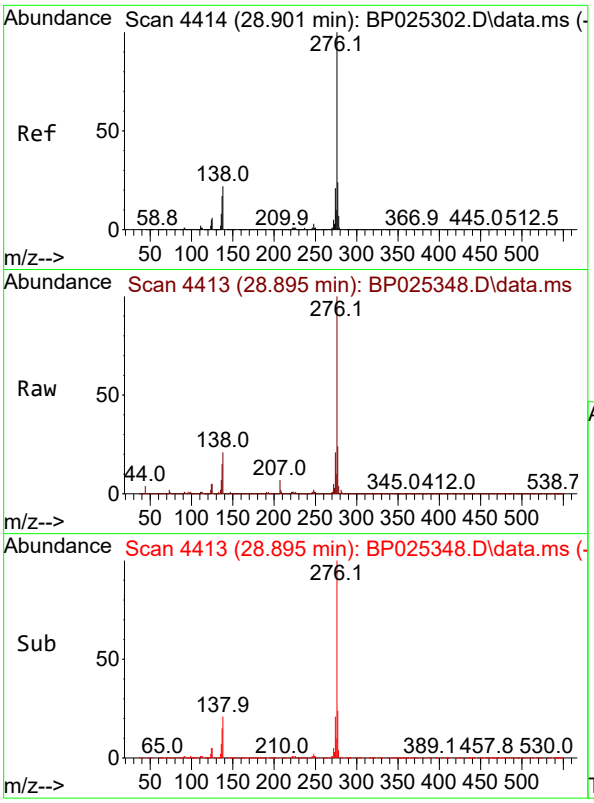


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:264 Resp: 1204307

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.1	25.7

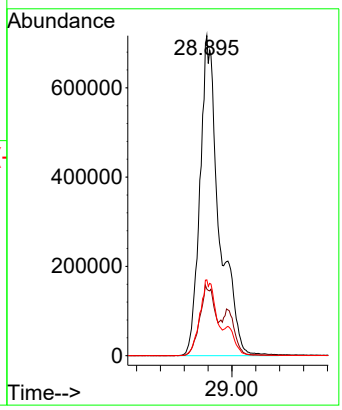




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.423 ng m
RT: 28.895 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:276 Resp: 400723

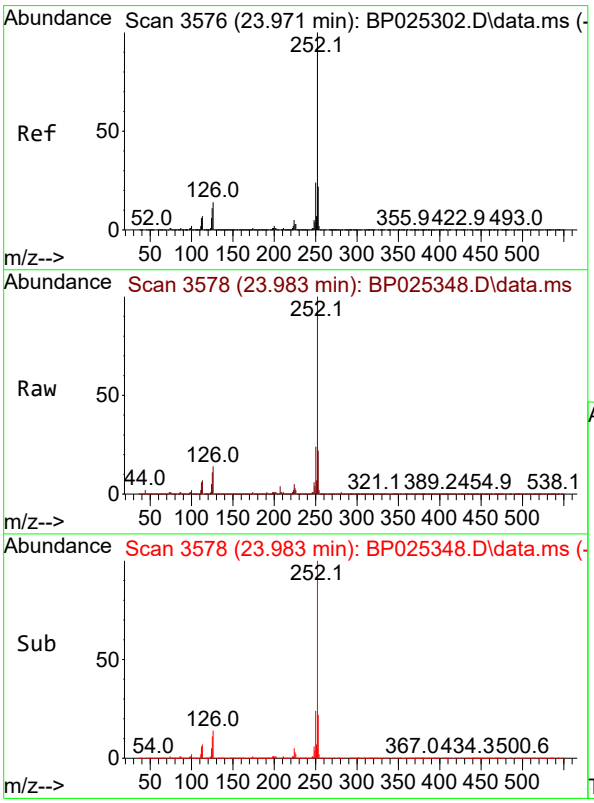
Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.6	22.0
277	19.8	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

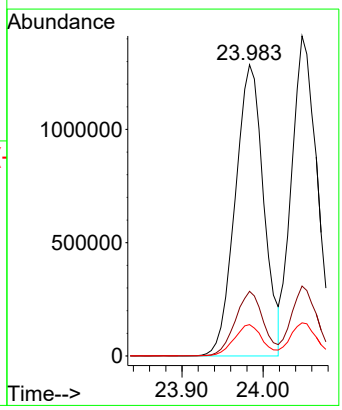
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

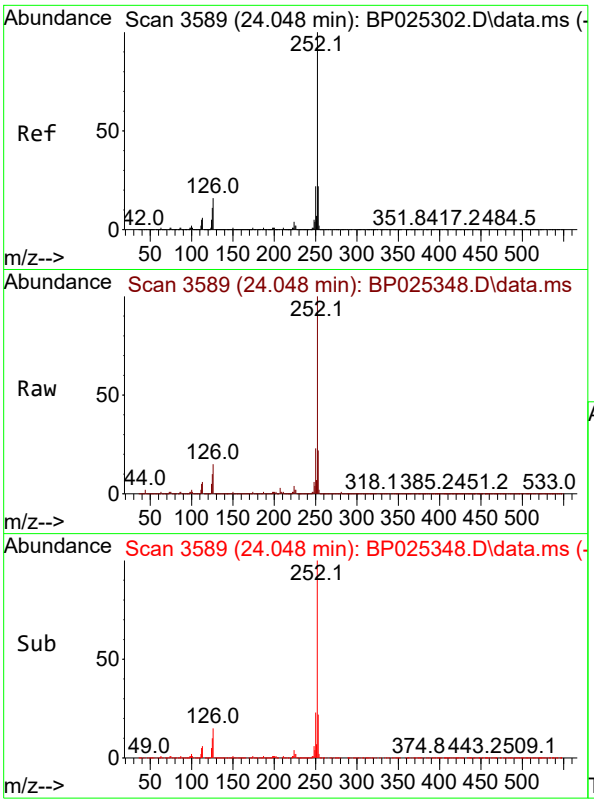


#88
Benzo(b)fluoranthene
Concen: 43.450 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:252 Resp: 3132399

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.8	8.5	12.7

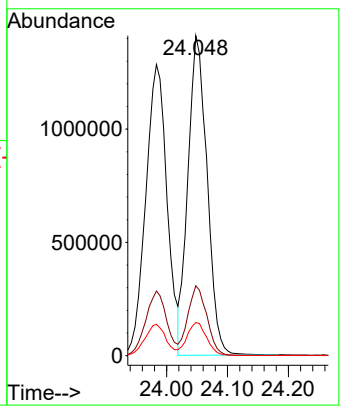




#89
Benzo(k)fluoranthene
Concen: 43.070 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:252 Resp: 307806

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
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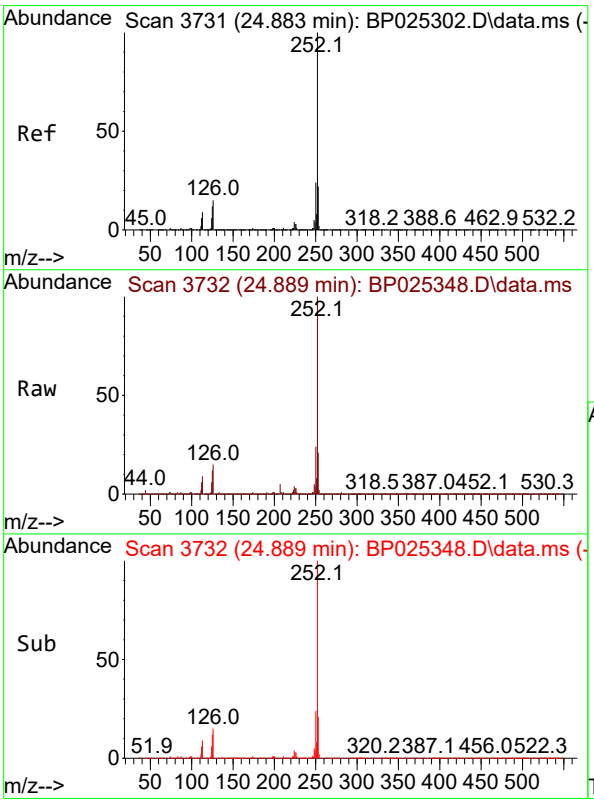
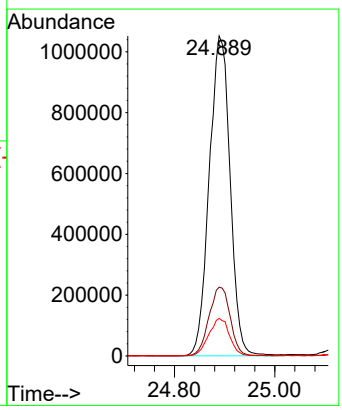
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025

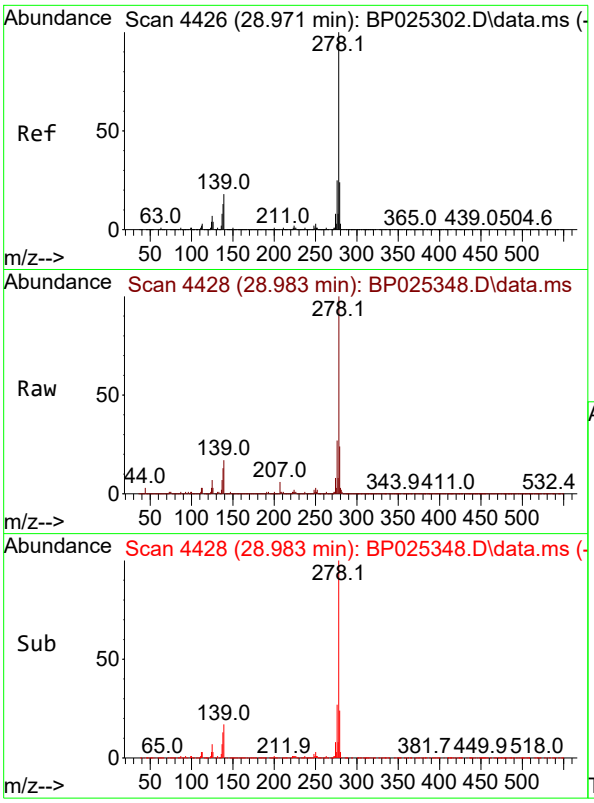


#90
Benzo(a)pyrene
Concen: 43.711 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:252 Resp: 3034672

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.8	9.4	14.0

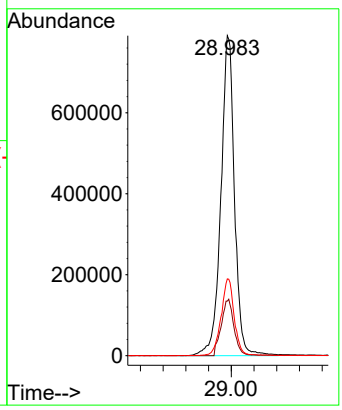




#91
Dibenzo(a,h)anthracene
Concen: 46.491 ng
RT: 28.983 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:278 Resp: 328671

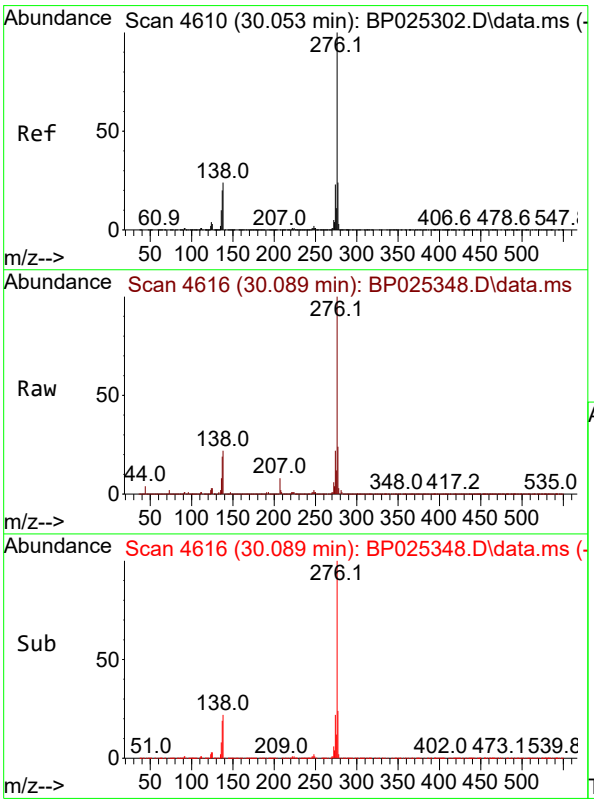
Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.6	22.0
279	24.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

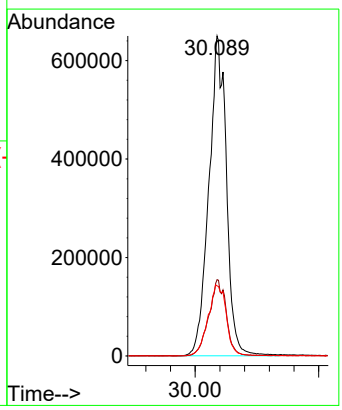
Reviewed By :Rahul Chavli 08/12/2025
Supervised By :Jagrut Upadhyay 08/12/2025



#92
Benzo(g,h,i)perylene
Concen: 46.208 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.036 min
Lab File: BP025348.D
Acq: 11 Aug 2025 14:41

Tgt Ion:276 Resp: 3206005

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.3	28.9
138	21.9	19.1	28.7



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Manual Integration Report

Sequence:	bp080525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025299.D	2,3,4,6-Tetrachlorophenol	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC005	BP025299.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC020	BP025301.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:08 AM	Jagrut	8/6/2025 10:57:48 AM	Peak Integrated by Software
SSTDICCC040	BP025302.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:12 AM	Jagrut	8/6/2025 10:57:51 AM	Peak Integrated by Software
SSTDICC050	BP025303.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:14 AM	Jagrut	8/6/2025 10:57:53 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzaldehyde	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzo(g,h,i)perylene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Caprolactam	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICV040	BP025306.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:20 AM	Jagrut	8/6/2025 10:57:58 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp081125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025343.D	Indeno(1,2,3-cd)pyrene	Rahul	8/12/2025 8:36:05 AM	Jagrut	8/12/2025 10:30:26 AM	Peak Integrated by Software
Q2779-04MS	BP025347.D	Benzaldehyde	Rahul	8/12/2025 8:36:10 AM	Jagrut	8/12/2025 10:30:31 AM	Peak Integrated by Software
Q2779-04MS	BP025347.D	Indeno(1,2,3-cd)pyrene	Rahul	8/12/2025 8:36:10 AM	Jagrut	8/12/2025 10:30:31 AM	Peak Integrated by Software
Q2779-04MSD	BP025348.D	Acenaphthene	Rahul	8/12/2025 8:36:12 AM	Jagrut	8/12/2025 10:30:33 AM	Peak Integrated by Software
Q2779-04MSD	BP025348.D	Benzaldehyde	Rahul	8/12/2025 8:36:12 AM	Jagrut	8/12/2025 10:30:33 AM	Peak Integrated by Software
Q2779-04MSD	BP025348.D	Indeno(1,2,3-cd)pyrene	Rahul	8/12/2025 8:36:12 AM	Jagrut	8/12/2025 10:30:33 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp081225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025360.D	Benzaldehyde	Rahul	8/13/2025 8:57:32 AM	Jagrut	8/13/2025 11:24:26 AM	Peak Integrated by Software
PB169180BS	BP025364.D	Acenaphthene	Rahul	8/13/2025 8:57:37 AM	Jagrut	8/13/2025 11:24:30 AM	Peak Integrated by Software
PB169180BS	BP025364.D	Benzaldehyde	Rahul	8/13/2025 8:57:37 AM	Jagrut	8/13/2025 11:24:30 AM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025297.D	05 Aug 2025 11:21	CG/JU	Ok
2	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03	CG/JU	Ok
3	SSTDICC005	BP025299.D	05 Aug 2025 12:44	CG/JU	Ok,M
4	SSTDICC010	BP025300.D	05 Aug 2025 13:25	CG/JU	Ok
5	SSTDICC020	BP025301.D	05 Aug 2025 14:06	CG/JU	Ok,M
6	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	CG/JU	Ok,M
7	SSTDICC050	BP025303.D	05 Aug 2025 15:28	CG/JU	Ok,M
8	SSTDICC060	BP025304.D	05 Aug 2025 16:10	CG/JU	Ok
9	SSTDICC080	BP025305.D	05 Aug 2025 16:51	CG/JU	Ok,M
10	SSTDICV040	BP025306.D	05 Aug 2025 17:32	CG/JU	Ok,M
11	PB169079TB	BP025307.D	05 Aug 2025 18:54	CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081125

Review By	Rahul	Review On	8/12/2025 10:13:01 AM		
Supervise By	Jagrut	Supervise On	8/12/2025 10:30:50 AM		
SubDirectory	BP081125	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025342.D	11 Aug 2025 09:44	CG/JU	Ok
2	SSTDCCC040	BP025343.D	11 Aug 2025 11:08	CG/JU	Ok,M
3	PB169159BL	BP025344.D	11 Aug 2025 11:50	CG/JU	Ok
4	PB169159BS	BP025345.D	11 Aug 2025 12:32	CG/JU	Ok,M
5	Q2779-04	BP025346.D	11 Aug 2025 13:17	CG/JU	Ok
6	Q2779-04MS	BP025347.D	11 Aug 2025 13:59	CG/JU	Ok,M
7	Q2779-04MSD	BP025348.D	11 Aug 2025 14:41	CG/JU	Ok,M
8	Q2779-08	BP025349.D	11 Aug 2025 15:23	CG/JU	Ok
9	Q2791-01	BP025350.D	11 Aug 2025 16:05	CG/JU	Ok
10	Q2798-04	BP025351.D	11 Aug 2025 16:47	CG/JU	Ok
11	Q2800-02	BP025352.D	11 Aug 2025 17:29	CG/JU	Ok
12	Q2793-01	BP025353.D	11 Aug 2025 18:10	CG/JU	Ok
13	Q2795-02	BP025354.D	11 Aug 2025 18:53	CG/JU	Ok
14	Q2795-03	BP025355.D	11 Aug 2025 19:34	CG/JU	Ok
15	Q2795-03MS	BP025356.D	11 Aug 2025 20:16	CG/JU	Ok,M
16	Q2795-03MSD	BP025357.D	11 Aug 2025 20:58	CG/JU	Ok,M
17	Q2809-01	BP025358.D	11 Aug 2025 21:40	CG/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081225

Review By	Rahul	Review On	8/13/2025 11:12:01 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:24:57 AM		
SubDirectory	BP081225	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025359.D	12 Aug 2025 09:26	CG/JU	Ok
2	SSTDCCC040	BP025360.D	12 Aug 2025 10:07	CG/JU	Ok,M
3	PB169176BL	BP025361.D	12 Aug 2025 10:49	CG/JU	Ok
4	PB169176BS	BP025362.D	12 Aug 2025 11:30	CG/JU	Ok,M
5	PB169180BL	BP025363.D	12 Aug 2025 12:12	CG/JU	Ok
6	PB169180BS	BP025364.D	12 Aug 2025 12:54	CG/JU	Ok,M
7	PB169162BL	BP025365.D	12 Aug 2025 13:36	CG/JU	Ok
8	PB169162BS	BP025366.D	12 Aug 2025 14:17	CG/JU	Ok,M
9	PB169162BSD	BP025367.D	12 Aug 2025 14:59	CG/JU	Ok,M
10	PB169149TB	BP025368.D	12 Aug 2025 15:40	CG/JU	Ok
11	Q2798-01	BP025369.D	12 Aug 2025 16:37	CG/JU	Ok
12	Q2808-01	BP025370.D	12 Aug 2025 17:19	CG/JU	Ok,M
13	Q2818-01	BP025371.D	12 Aug 2025 18:00	CG/JU	Ok
14	Q2818-02	BP025372.D	12 Aug 2025 18:42	CG/JU	Ok
15	Q2827-01	BP025373.D	12 Aug 2025 19:23	CG/JU	Ok,M
16	Q2827-05	BP025374.D	12 Aug 2025 20:05	CG/JU	Dilution
17	Q2823-01	BP025375.D	12 Aug 2025 20:46	CG/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/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	BP025297.D	05 Aug 2025 11:21		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BP025299.D	05 Aug 2025 12:44		CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP025300.D	05 Aug 2025 13:25		CG/JU	Ok
5	SSTDICC020	SSTDICC020	BP025301.D	05 Aug 2025 14:06		CG/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	Compound #26,48,57 kept on LR & Compound #32,54,65 kept on QR	CG/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP025303.D	05 Aug 2025 15:28		CG/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP025304.D	05 Aug 2025 16:10		CG/JU	Ok
9	SSTDICC080	SSTDICC080	BP025305.D	05 Aug 2025 16:51		CG/JU	Ok,M
10	SSTDICV040	ICVBP080525	BP025306.D	05 Aug 2025 17:32		CG/JU	Ok,M
11	PB169079TB	PB169079TB	BP025307.D	05 Aug 2025 18:54		CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081125

Review By	Rahul	Review On	8/12/2025 10:13:01 AM		
Supervise By	Jagrut	Supervise On	8/12/2025 10:30:50 AM		
SubDirectory	BP081125	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/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	BP025342.D	11 Aug 2025 09:44		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025343.D	11 Aug 2025 11:08		CG/JU	Ok,M
3	PB169159BL	PB169159BL	BP025344.D	11 Aug 2025 11:50		CG/JU	Ok
4	PB169159BS	PB169159BS	BP025345.D	11 Aug 2025 12:32		CG/JU	Ok,M
5	Q2779-04	TP-4	BP025346.D	11 Aug 2025 13:17		CG/JU	Ok
6	Q2779-04MS	TP-4MS	BP025347.D	11 Aug 2025 13:59		CG/JU	Ok,M
7	Q2779-04MSD	TP-4MSD	BP025348.D	11 Aug 2025 14:41		CG/JU	Ok,M
8	Q2779-08	TP-5	BP025349.D	11 Aug 2025 15:23		CG/JU	Ok
9	Q2791-01	SLUDGE	BP025350.D	11 Aug 2025 16:05		CG/JU	Ok
10	Q2798-04	TP-6	BP025351.D	11 Aug 2025 16:47		CG/JU	Ok
11	Q2800-02	VNJ-222	BP025352.D	11 Aug 2025 17:29		CG/JU	Ok
12	Q2793-01	VNJ-231	BP025353.D	11 Aug 2025 18:10		CG/JU	Ok
13	Q2795-02	COMP-2	BP025354.D	11 Aug 2025 18:53		CG/JU	Ok
14	Q2795-03	COMP-3	BP025355.D	11 Aug 2025 19:34		CG/JU	Ok
15	Q2795-03MS	COMP-3MS	BP025356.D	11 Aug 2025 20:16		CG/JU	Ok,M
16	Q2795-03MSD	COMP-3MSD	BP025357.D	11 Aug 2025 20:58		CG/JU	Ok,M
17	Q2809-01	OR-03-08082025	BP025358.D	11 Aug 2025 21:40		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081225

Review By	Rahul	Review On	8/13/2025 11:12:01 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:24:57 AM		
SubDirectory	BP081225	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/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	BP025359.D	12 Aug 2025 09:26		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025360.D	12 Aug 2025 10:07		CG/JU	Ok,M
3	PB169176BL	PB169176BL	BP025361.D	12 Aug 2025 10:49		CG/JU	Ok
4	PB169176BS	PB169176BS	BP025362.D	12 Aug 2025 11:30		CG/JU	Ok,M
5	PB169180BL	PB169180BL	BP025363.D	12 Aug 2025 12:12		CG/JU	Ok
6	PB169180BS	PB169180BS	BP025364.D	12 Aug 2025 12:54		CG/JU	Ok,M
7	PB169162BL	PB169162BL	BP025365.D	12 Aug 2025 13:36		CG/JU	Ok
8	PB169162BS	PB169162BS	BP025366.D	12 Aug 2025 14:17		CG/JU	Ok,M
9	PB169162BSD	PB169162BSD	BP025367.D	12 Aug 2025 14:59		CG/JU	Ok,M
10	PB169149TB	PB169149TB	BP025368.D	12 Aug 2025 15:40		CG/JU	Ok
11	Q2798-01	TP-6	BP025369.D	12 Aug 2025 16:37		CG/JU	Ok
12	Q2808-01	TP-7	BP025370.D	12 Aug 2025 17:19		CG/JU	Ok,M
13	Q2818-01	B-2-5-1	BP025371.D	12 Aug 2025 18:00		CG/JU	Ok
14	Q2818-02	B-3-5-2	BP025372.D	12 Aug 2025 18:42		CG/JU	Ok
15	Q2827-01	TP-8	BP025373.D	12 Aug 2025 19:23		CG/JU	Ok,M
16	Q2827-05	TP-9	BP025374.D	12 Aug 2025 20:05	Need further 5X.	CG/JU	Dilution
17	Q2823-01	SU-04-081125	BP025375.D	12 Aug 2025 20:46		CG/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169149

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 08/07/2025 **Time :** 15:40

End Prep Date : 08/08/2025 **Time :** 09:35

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 70

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. q2800-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/08/25 11:00	JP TCLP Room	SIAS. RJ / GH
	Preparation Group	Analysis Group Inorg.

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169149

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169149TB	LEB149	07	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q2779-04	TP-4	01	100.02	2000	N/A	N/A	N/A	6.4	1.5	T-1
Q2779-08	TP-5	02	100.03	2000	N/A	N/A	N/A	6.4	1.0	T-1
Q2783-03	RT5414	03	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2791-01	SLUDGE	04	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2798-04	TP-6	05	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2800-02	VNJ-222	06	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169149TB	LEB149	N/A	N/A	N/A	N/A	N/A	N/A
Q2779-04	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q2779-08	TP-5	N/A	N/A	N/A	N/A	100	N/A
Q2783-03	RT5414	N/A	N/A	N/A	N/A	100	N/A
Q2791-01	SLUDGE	N/A	N/A	N/A	N/A	100	N/A
Q2798-04	TP-6	N/A	N/A	N/A	N/A	100	N/A
Q2800-02	VNJ-222	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB169149

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169149TB	LEB149	N/A	N/A	N/A	N/A	#1	4.94
Q2779-04	TP-4	5.02	96.5	8.6	3.5	#1	4.94
Q2779-08	TP-5	5.01	96.5	8.6	3.5	#1	4.94
Q2783-03	RT5414	5.02	96.5	8.0	3.0	#1	4.94
Q2791-01	SLUDGE	5.03	96.5	5.8	2.0	#1	4.94
Q2798-04	TP-6	5.02	96.5	9.0	4.0	#1	4.94
Q2800-02	VNJ-222	5.03	96.5	7.6	2.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2791 **WorkList ID :** 191152 **Department :** TCLP Extraction **Date :** 08-07-2025 12:22:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2779-04	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I63	08/06/2025	1311
Q2779-08	TP-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I63	08/06/2025	1311
Q2783-03	RT5414	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	08/06/2025	1311
Q2791-01	SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	ARAM01	J23	08/07/2025	1311
Q2798-04	TP-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D21	08/07/2025	1311
Q2800-02	VNJ-222	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D31	08/07/2025	1311

Date/Time 08107125 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 08107125 18:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169180

SOP ID: M3510C,3580A-Extraction SVOC-21

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: 4,6,7

Extraction Start Date : 08/08/2025

Extraction Start Time : 11:12

Extraction End Date : 08/08/2025

Extraction End Time : 16:10

Concentration By: RS

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	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	E3954
Baked Na2SO4	N/A	EP2629
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 and > 11 with 10N NaOH, 1.5ML Vial Lot # 2210443.

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
8/8/25	RS (Ext Lab)	Rc/SVOC
16:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169180

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169149TB	PB169149TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB169180BL	PB169180BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB169180BS	PB169180BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2779-04	TP-4	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2779-04MS	TP-4MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2779-04MSD	TP-4MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2779-08	TP-5	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2783-03	RT5414	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q2791-01	SLUDGE	TCLP BNA Group1	100	6	RUPESH	ritesh	1	A		9
Q2798-04	TP-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q2800-02	VNJ-222	TCLP BNA	100	6	RUPESH	ritesh	1	A		11

RS 8/8

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169149

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169149TB	LEB149	07	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q2779-04	TP-4	01	100.02	2000	N/A	N/A	N/A	6.4	1.5	T-1
Q2779-08	TP-5	02	100.03	2000	N/A	N/A	N/A	6.4	1.0	T-1
Q2783-03	RT5414	03	100.04	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q2791-01	SLUDGE	04	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2798-04	TP-6	05	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2800-02	VNJ-222	06	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1

08/08/25
11:00

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

Prep Standard - Chemical Standard Summary

Order ID : Q2791

Test : TCLP BNA Group1

Prepbatch ID : PB169180,

Sequence ID/Qc Batch ID: BP081125,BP081125,BP081225,

Standard ID :
EP2609,EP2610,EP2629,SP6757,SP6769,SP6770,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,

Chemical ID :
10ul/1000ul sample,E3657,E3875,E3904,E3926,E3932,E3942,E3946,E3954,M6157,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12272,S12277,S12278,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13170,S13206,S13208,S13209,S13210,S13211,W3112,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	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	EP2629	07/28/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/28/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4178	8270/625.1 Stock Solution-2 100 ng	SP6832	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = 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
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = 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
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = 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
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = 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
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = 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	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	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 #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

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)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

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	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

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	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

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	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

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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	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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	S12195

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

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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	S12216

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	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 #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

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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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

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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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

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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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	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	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

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	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

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	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

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	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

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	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

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	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

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)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

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]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

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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	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

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	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

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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 #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211

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-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.

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

E 3875

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

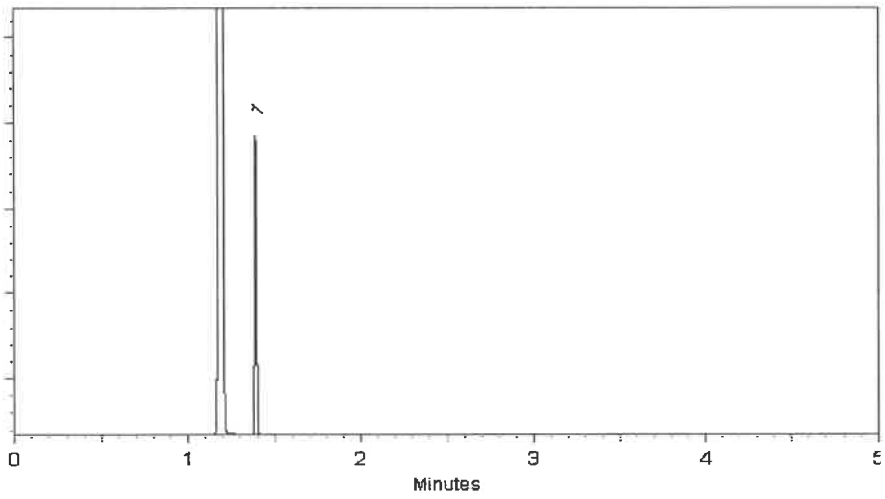
Inj. Temp:
250°C

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:

- 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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.)

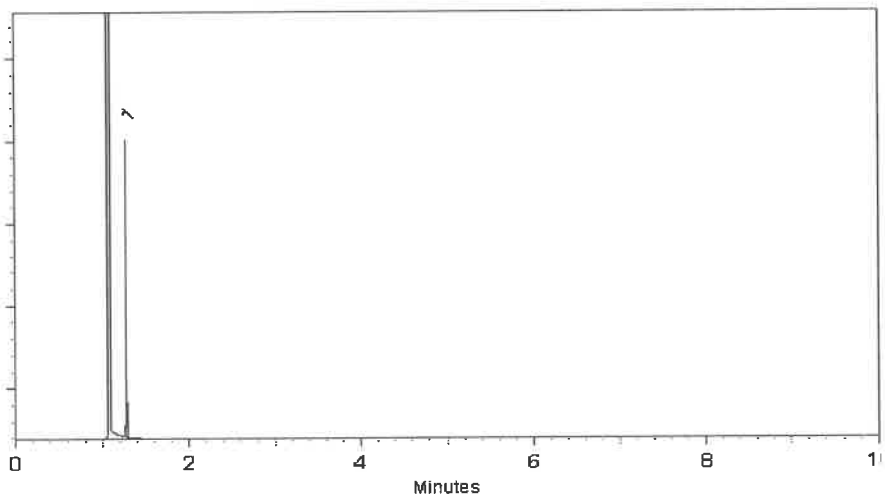
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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.
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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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- 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.

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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.)

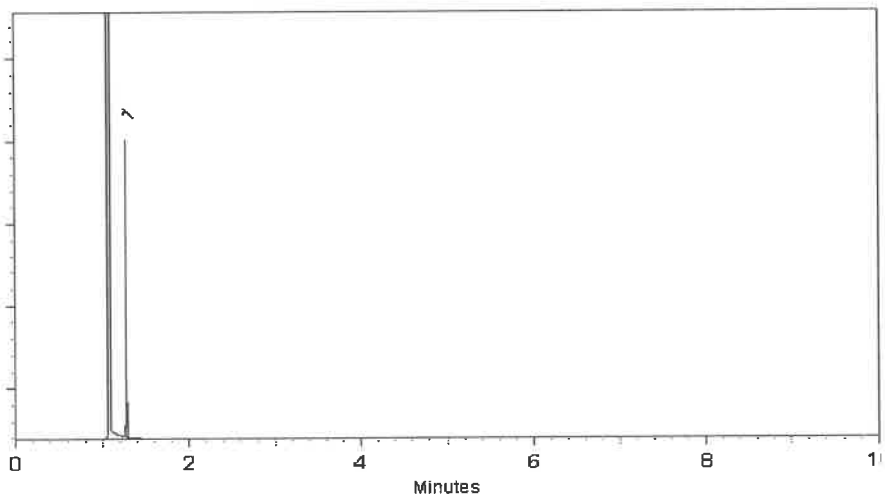
Inj. Temp:
250°C

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:

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Certified Uncertainty Value Notes:

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- 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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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.)

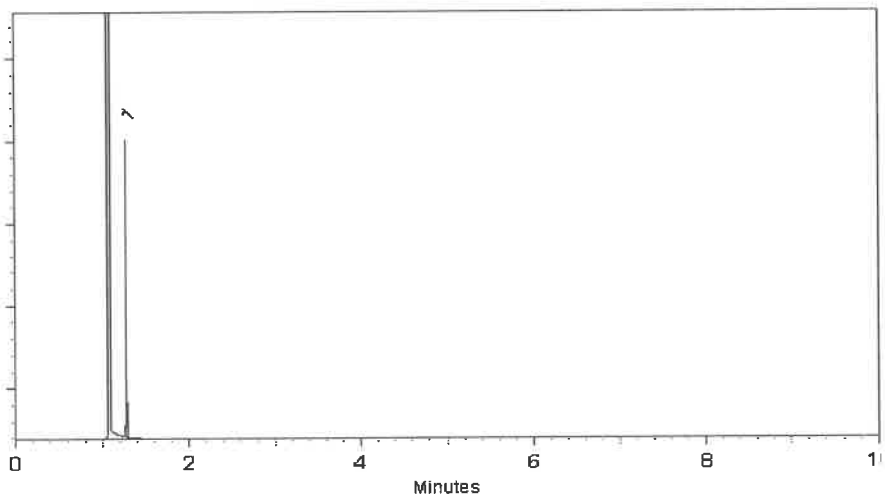
Inj. Temp:
250°C

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.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  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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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.)

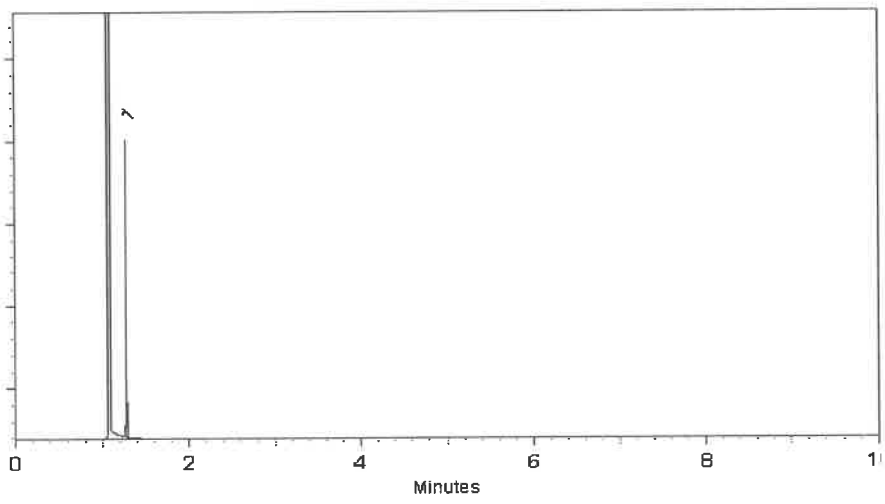
Inj. Temp:
250°C

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:

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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

ACCREDITED
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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

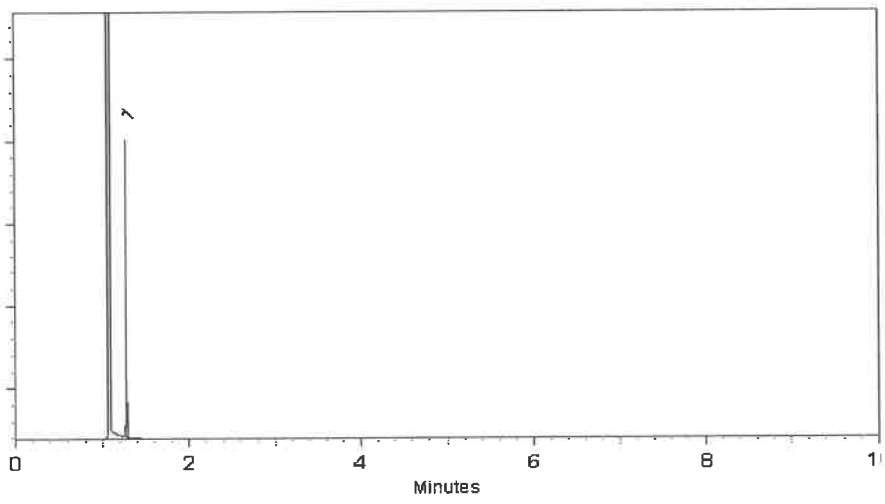
Inj. Temp:
250°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

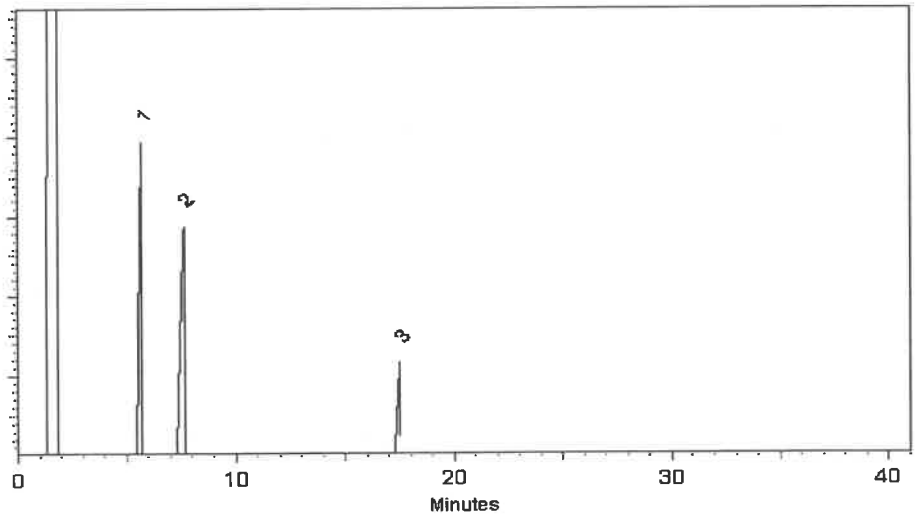
Inj. Temp:
250°C

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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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.)

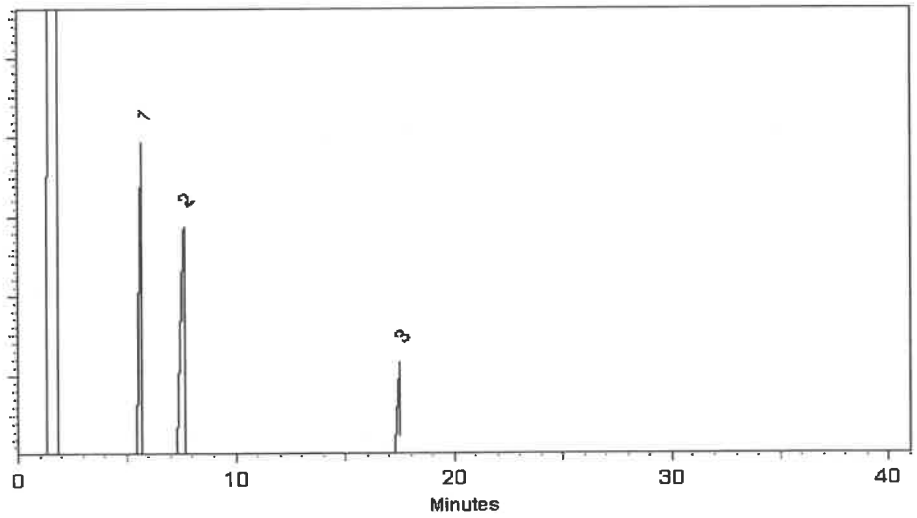
Inj. Temp:
250°C

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.)

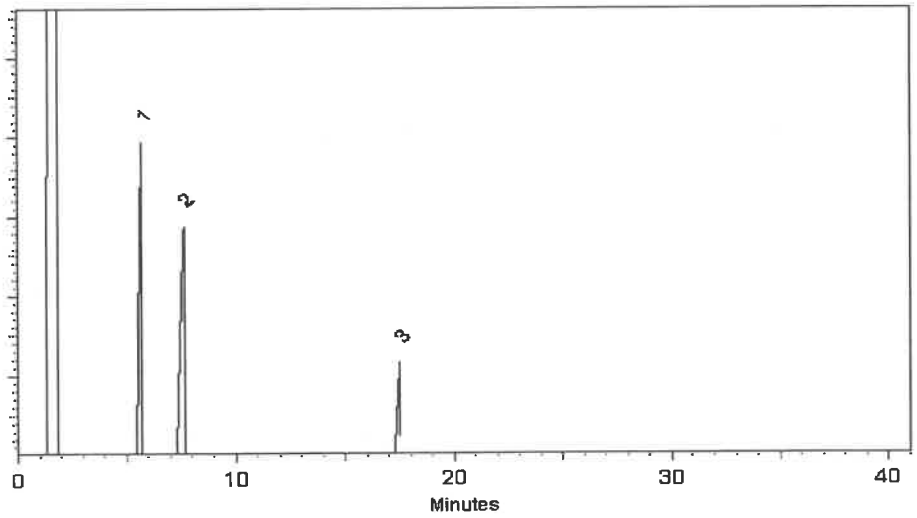
Inj. Temp:
250°C

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

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.)

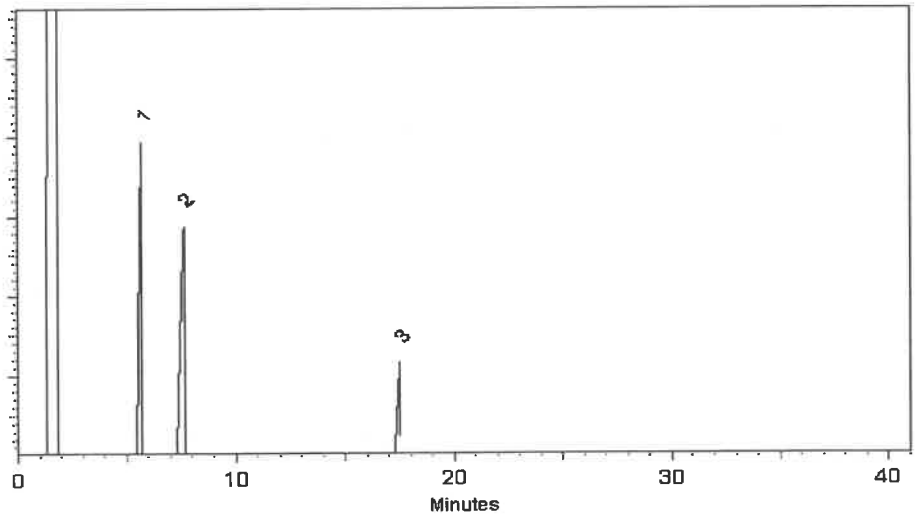
Inj. Temp:
250°C

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

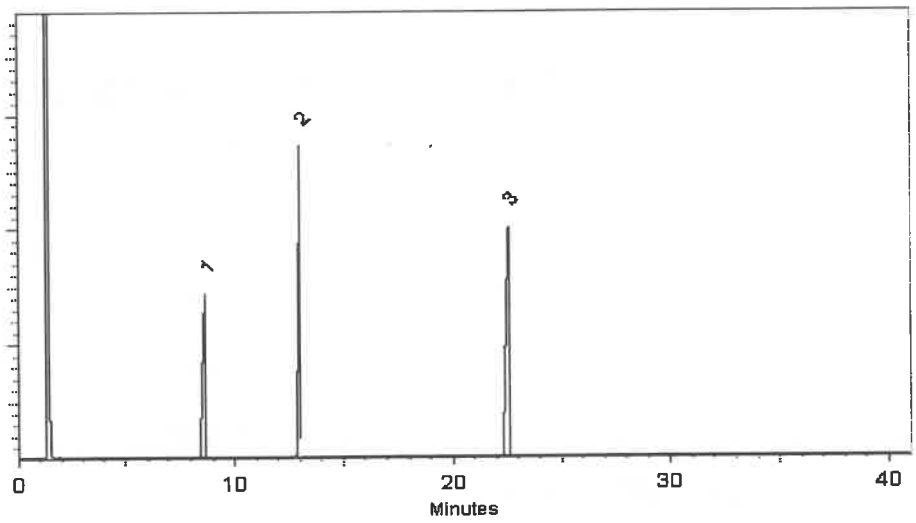
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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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. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

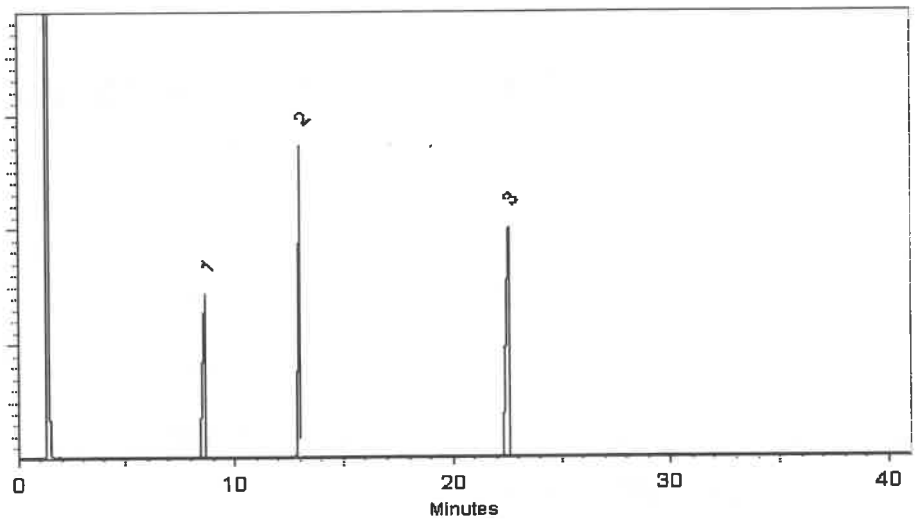
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

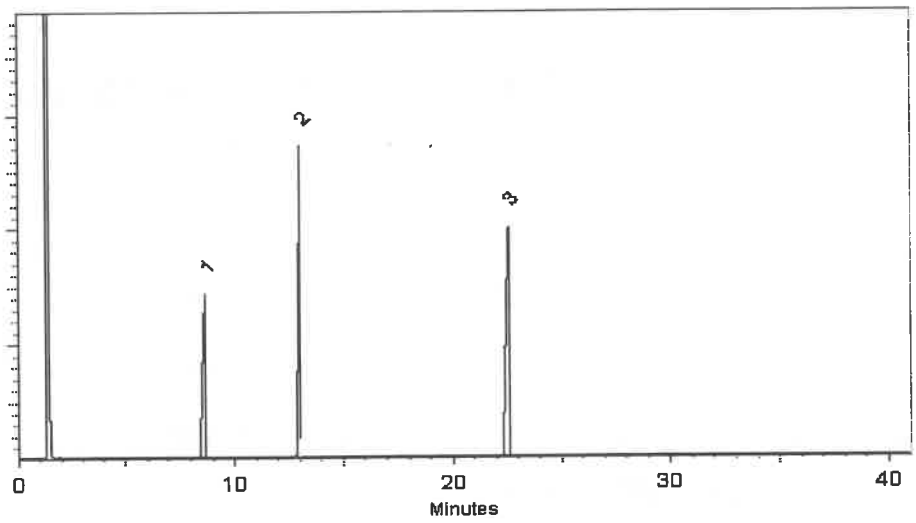
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

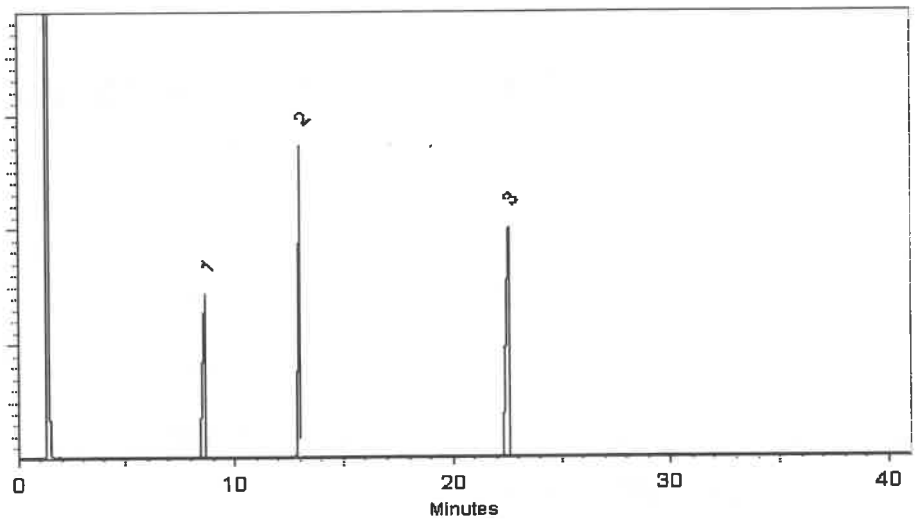
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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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. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

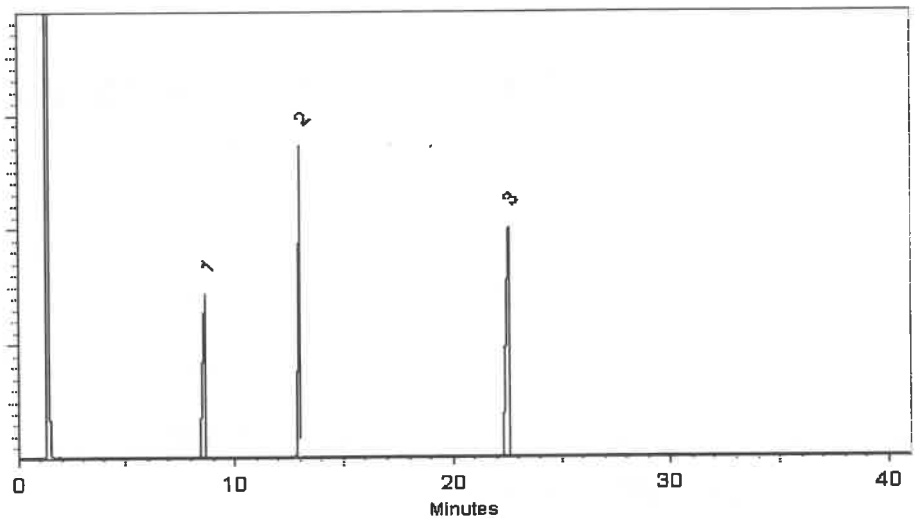
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

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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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined 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.

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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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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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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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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S12449 ↓ S12508 } RC 7/24/24

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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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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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.
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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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- 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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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

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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

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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
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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

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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
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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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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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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Purity Notes:

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- 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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

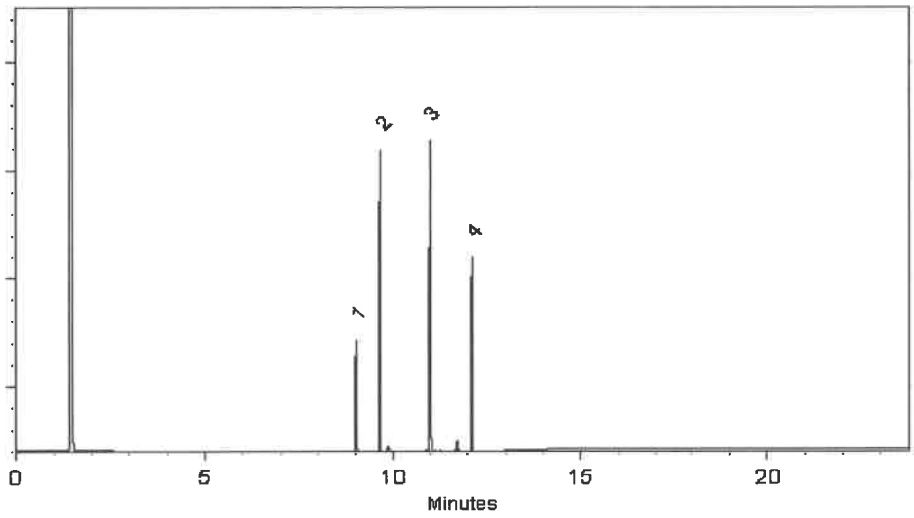
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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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. : 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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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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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-110816-01	531243	≤ -10 °C	Methylene Chloride	1/2/2030	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	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

513057 ↓ 513061 AC 1/16/25

*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: 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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

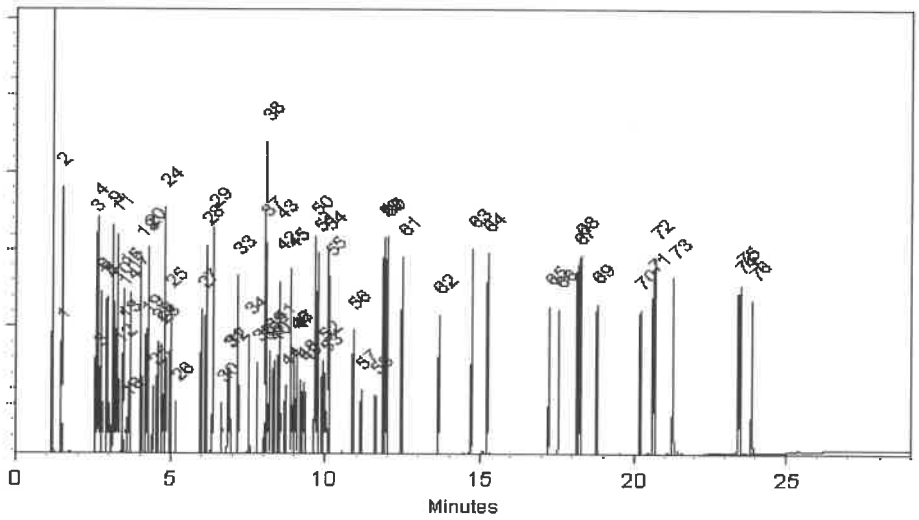
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01
ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

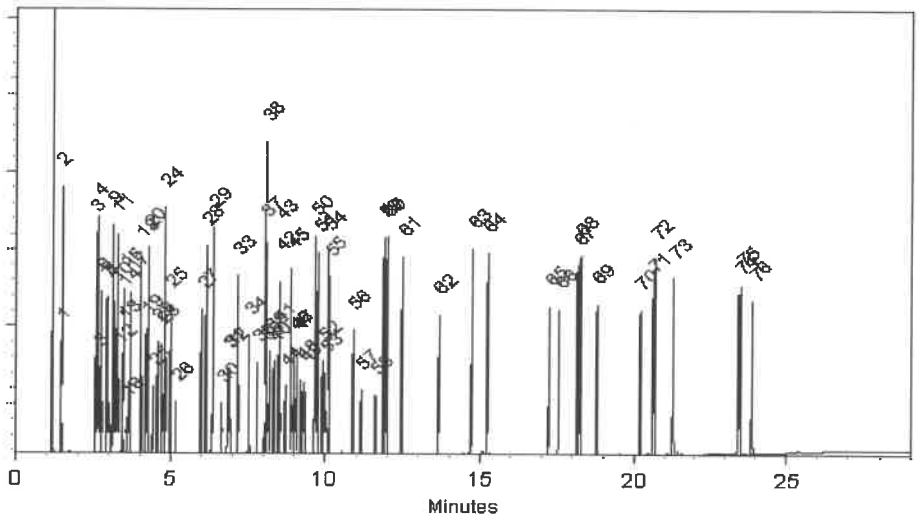
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

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 : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 } RC/
↓ } 6/4/25
S13167

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 555871 **Lot No.:** A0226283

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 : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 } RC/
↓ } 6/4/25
S13167

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK

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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.

S13198 ↓ S13207 } AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

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, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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CERTIFIED WEIGHT REPORT

Part Number: 70434
Lot Number: 121622
Description: Acetophenone

Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

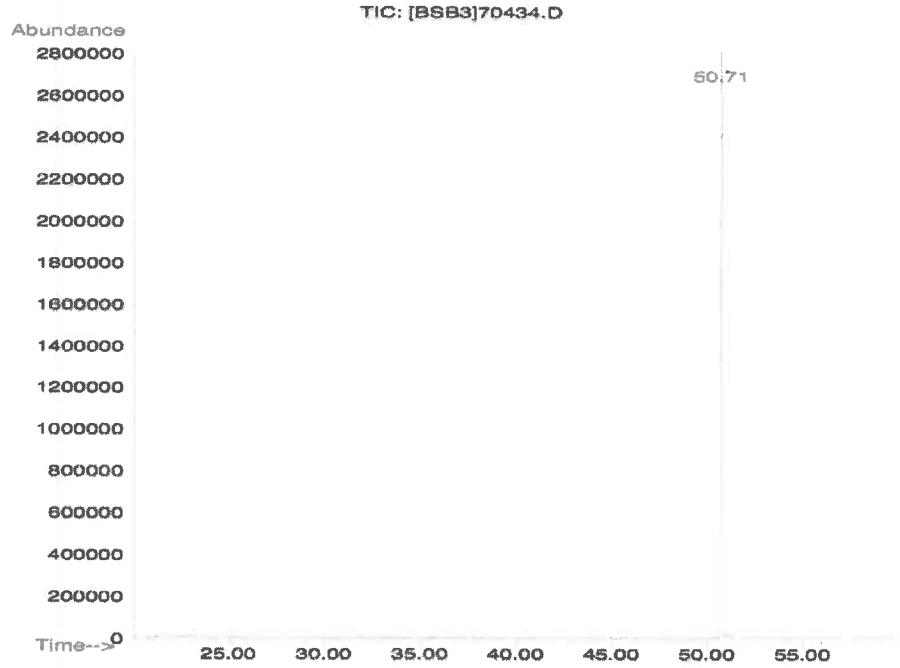
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

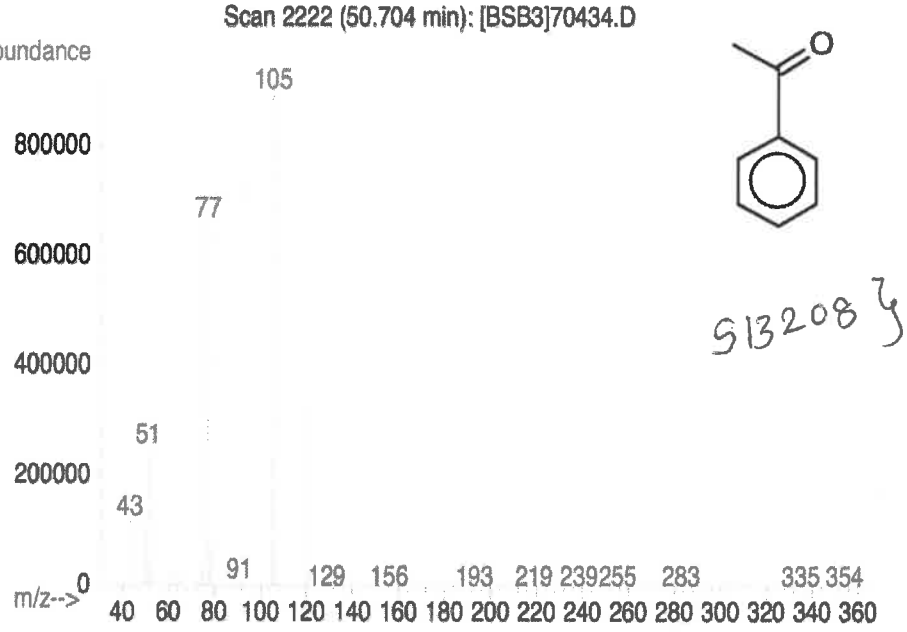
		121622
Formulated By:	Benson Chan	DATE
		121622
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.001 Flask Uncertainty; 5E-05 Balance Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	orl-rat 815mg/kg

Method: GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren. Solvent delay = 25 minutes.

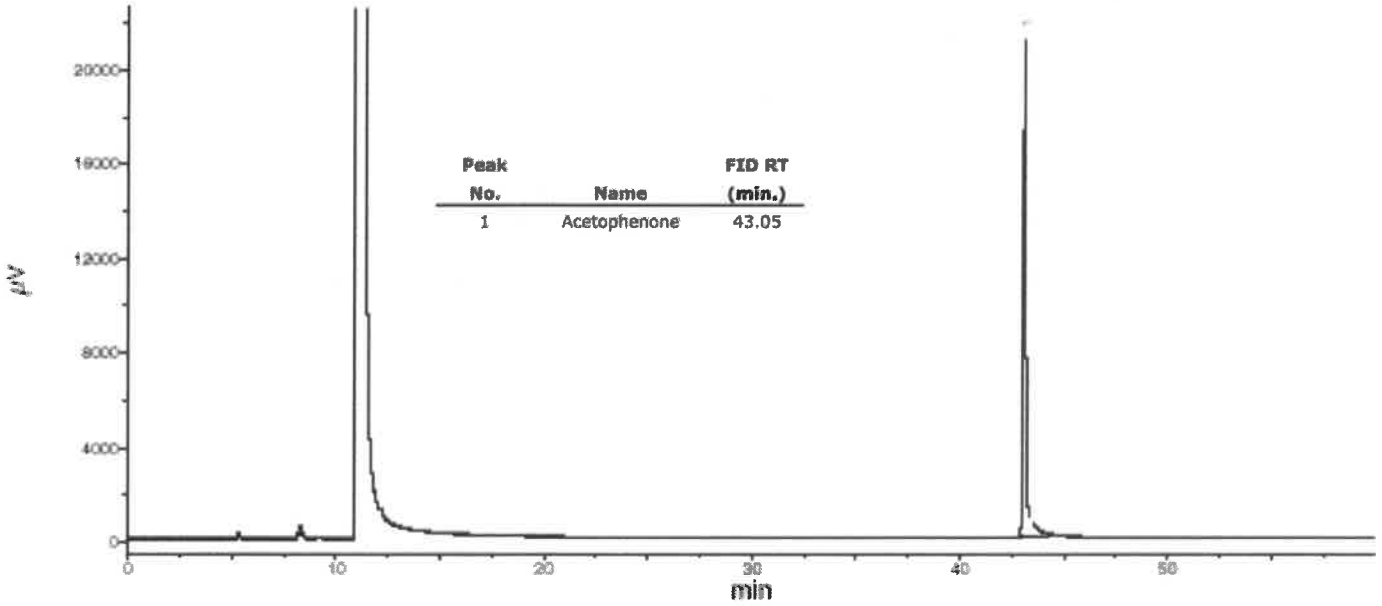




S13208 Y RC/ 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak No.	Name	FID RT (min.)
1	Acetophenone	43.05

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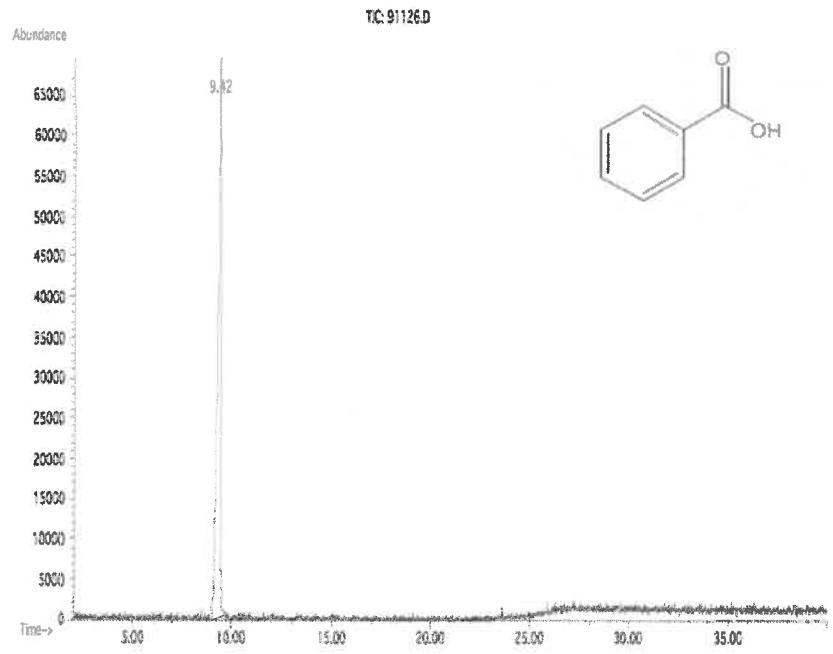
CERTIFIED WEIGHT REPORT

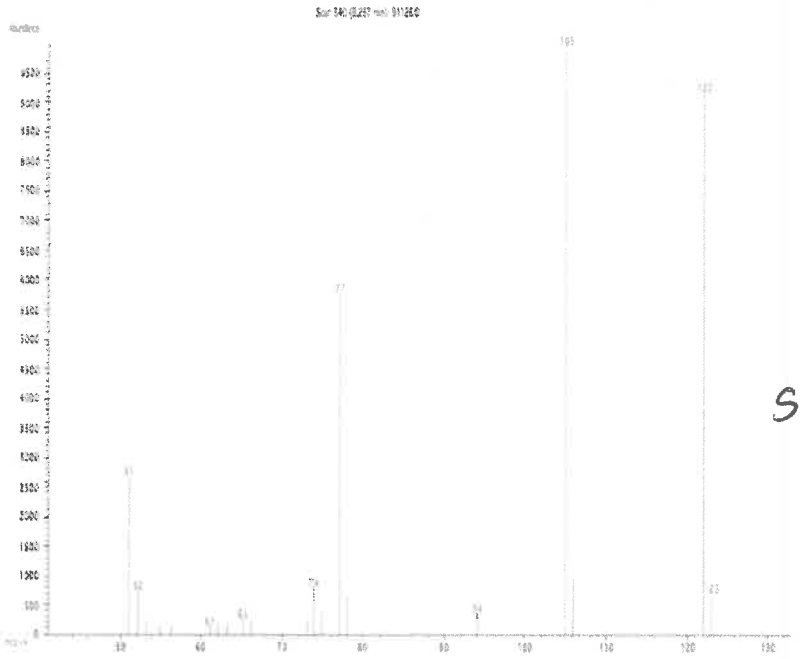
Part Number:	**91126**	**Solvent(s):**	**Lot#**	
Lot Number:	060625	Methylene chloride	23343	
Description:	Benzoic acid			
Expiration Date:	060630			
Recommended Storage:	Refrigerate (4 °C)			
Nominal Concentration (µg/mL):	2000			
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	100.0	0.031	Flask Uncertainty	

		060625
Formulated By:	Anthony Mahoney	DATE
		060625
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	orl-rat 1700mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C. Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.





S132097 RC 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 34571
Lot Number: 092324
Description: 1,2,4,5-Tetrachlorobenzene

Solvent(s): Methanol **Lot#** EI863-US

Expiration Date: 092334
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

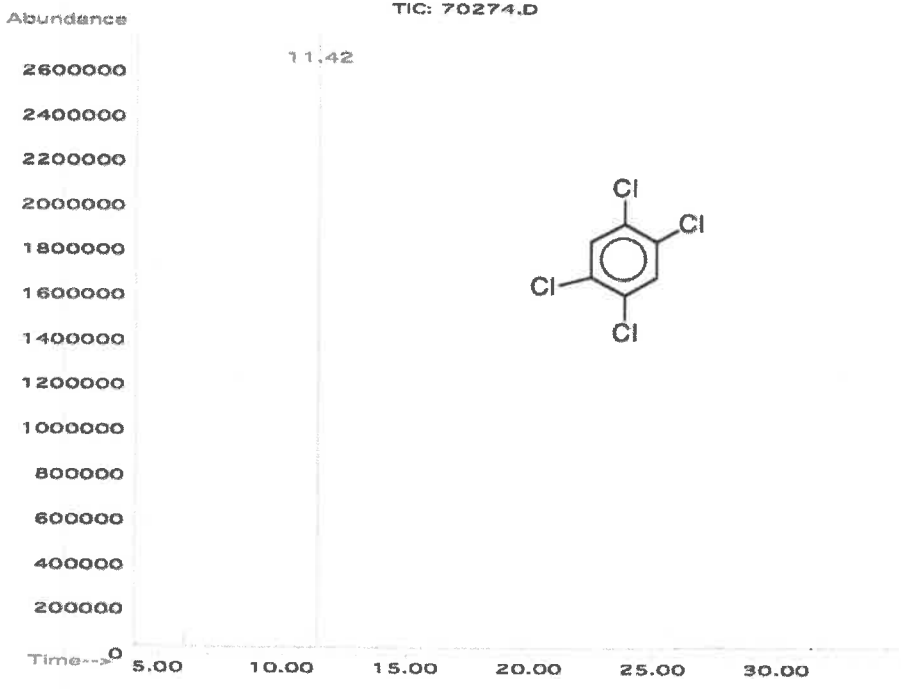
Weight(s) shown below were combined and diluted to (mL): 25.0 | 5E-05 Balance Uncertainty | 0.004 Flask Uncertainty

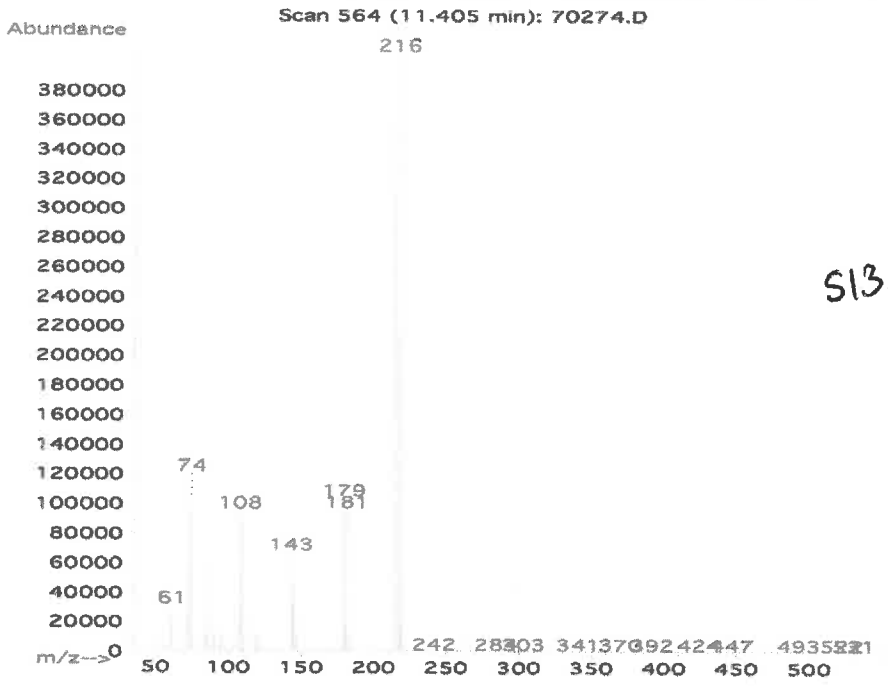
CAUTION: Sonicate Before Use

	Formulated By: Lawrence Barry	DATE
092324		
	Reviewed By: Pedro L. Rentas	DATE
092324		

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	orl-rat 1500mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S132113 RC 6/19/25.

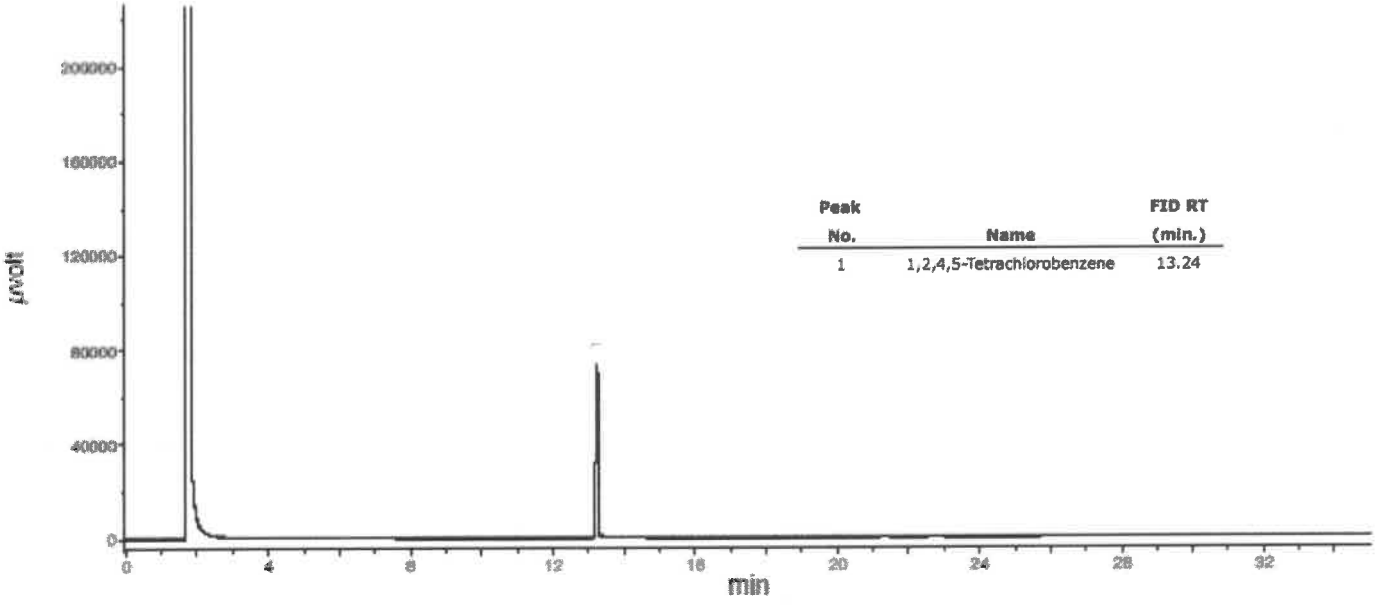
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 7



Peak No.	Name	FID RT (min.)
1	1,2,4,5-Tetrachlorobenzene	13.24

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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. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene 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

513148
↓
513157
RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
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ALLIANCE PROJECT NO.
QUOTE NO. Q 2791
COC Number 2045371

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Aramark Uniforms
ADDRESS: 740 Frelinghuysen Ave.
CITY Newark STATE: NJ ZIP: 07114
ATTENTION: Tom Dikos
PHONE: 973-824-1101 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Monthly
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: TCLP BNA
2: TCLP VOA
3: TCLP TCP Metals
4:
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Sludge	S		✓	8-7-25	1013	4	E ✓	E ✓	E ✓							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Tom Dikos	8-7-25	1. 8-7-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1518 8-7-25	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3-5 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148